

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
 Data File : BF119480.D
 Acq On : 20 Mar 2020 19:13
 Operator : CG/JU
 Sample : L1749-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Quant Time: Mar 20 22:53:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	303648	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1158248	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	577279	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	963552	20.00	ng	0.00
76) Chrysene-d12	14.03	240	591953	20.00	ng	0.00
87) Perylene-d12	15.50	264	690818	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	2030442	106.45	ng	0.02
7) Phenol-d6	6.48	99	2396764	98.36	ng	0.00
23) Nitrobenzene-d5	7.42	82	1752842	82.25	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	705880	118.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3035700	77.91	ng	0.00
79) Terphenyl-d14	12.97	244	2763271	91.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	335350	35.60	ng	# 83
3) Pyridine	3.47	79	504621	19.44	ng	98
4) n-Nitrosodimethylamine	3.40	42	483783	38.22	ng	97
6) Aniline	6.52	93	317201	9.43	ng	98
8) 2-Chlorophenol	6.64	128	916338	45.74	ng	99
9) Benzaldehyde	6.40	77	617683	39.96	ng	99
10) Phenol	6.49	94	960649	36.95	ng	100
11) bis(2-Chloroethyl)ether	6.59	93	892003	42.90	ng	96
12) 1,3-Dichlorobenzene	6.80	146	859044	39.62	ng	98
13) 1,4-Dichlorobenzene	6.87	146	879290	40.54	ng	99
14) 1,2-Dichlorobenzene	7.03	146	819213	40.41	ng	99
15) Benzyl Alcohol	6.99	79	793366	43.29	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1660418	39.59	ng	98
17) 2-Methylphenol	7.10	107	722905	39.38	ng	98
18) Hexachloroethane	7.37	117	322608	40.59	ng	99
19) n-Nitroso-di-n-propylamine	7.27	70	641212	43.66	ng	99
20) 3+4-Methylphenols	7.26	107	854575	37.99	ng	# 84
22) Acetophenone	7.26	105	1192970	43.10	ng	# 92
24) Nitrobenzene	7.44	77	957478	42.04	ng	95
25) Isophorone	7.67	82	1757644	40.66	ng	100
26) 2-Nitrophenol	7.75	139	467628	52.15	ng	97
27) 2,4-Dimethylphenol	7.79	122	796089	42.93	ng	100
28) bis(2-Chloroethoxy)methane	7.89	93	1098608	42.97	ng	98
29) 2,4-Dichlorophenol	7.99	162	724431	42.52	ng	98
30) 1,2,4-Trichlorobenzene	8.08	180	771797	40.96	ng	98
31) Naphthalene	8.16	128	2462993	41.32	ng	99
32) Benzoic acid	7.90	122	484365	40.61	ng	99
33) 4-Chloroaniline	8.20	127	175697	6.43	ng	97
34) Hexachlorobutadiene	8.28	225	425000	40.31	ng	97
35) Caprolactam	8.57	113	114856	20.60	ng	94
36) 4-Chloro-3-methylphenol	8.69	107	783038	42.05	ng	98
37) 2-Methylnaphthalene	8.86	142	1674357	42.80	ng	99
38) 1-Methylnaphthalene	8.96	142	1571815	42.45	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	732613	43.30	ng	100

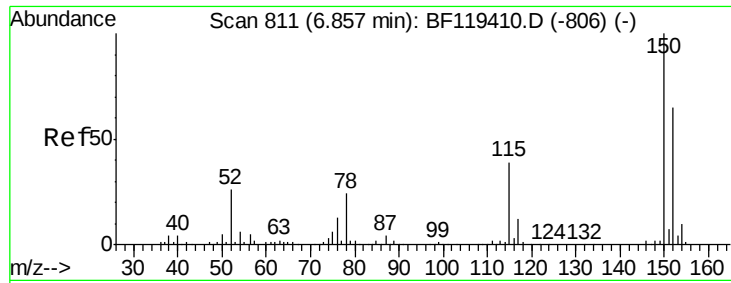
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
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 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	463076	48.14	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	529598	43.74	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	563835	41.57	ng	96
46) 1,1'-Biphenyl	9.32	154	1965340	41.80	ng	99
47) 2-Chloronaphthalene	9.35	162	1530886	41.57	ng	99
48) 2-Nitroaniline	9.44	65	574616	45.20	ng	93
49) Acenaphthylene	9.76	152	2429309	42.00	ng	99
50) Dimethylphthalate	9.62	163	2090011	50.97	ng	98
51) 2,6-Dinitrotoluene	9.68	165	407081	46.32	ng	92
52) Acenaphthene	9.93	154	1492419	41.39	ng	99
53) 3-Nitroaniline	9.84	138	97462	8.78	ng	98
54) 2,4-Dinitrophenol	9.95	184	153456	43.96	ng	94
55) Dibenzofuran	10.10	168	2166222	41.91	ng	99
56) 4-Nitrophenol	10.01	139	636224	72.68	ng	97
57) 2,4-Dinitrotoluene	10.09	165	533272	48.16	ng	98
58) Fluorene	10.45	166	1590045	41.60	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.22	232	444707	43.86	ng	99
60) Diethylphthalate	10.32	149	1823181	43.81	ng	100
61) 4-Chlorophenyl-phenylether	10.44	204	790427	42.28	ng	99
62) 4-Nitroaniline	10.46	138	310963	29.22	ng	93
63) Azobenzene	10.60	77	1713662	40.89	ng	93
65) 4,6-Dinitro-2-methylphenol	10.49	198	117896	29.18	ng	94
66) n-Nitrosodiphenylamine	10.56	169	1491826	47.16	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	498391	45.42	ng	95
68) Hexachlorobenzene	11.00	284	513849	45.75	ng	98
69) Atrazine	11.09	200	433424	49.98	ng	99
70) Pentachlorophenol	11.19	266	558025	84.74	ng	98
71) Phenanthrene	11.42	178	2160855	43.25	ng	99
72) Anthracene	11.46	178	2209820	43.52	ng	100
73) Carbazole	11.62	167	2018796	40.17	ng	99
74) Di-n-butylphthalate	11.95	149	2616801	48.67	ng	98
75) Fluoranthene	12.60	202	2026613	37.48	ng	98
77) Benzidine	12.72	184	876847	35.00	ng	98
78) Pyrene	12.83	202	2017428	41.53	ng	99
80) Butylbenzylphthalate	13.45	149	943064	48.00	ng	96
81) Benzo(a)anthracene	14.02	228	1664489	43.24	ng	100
82) 3,3'-Dichlorobenzidine	13.98	252	547672	36.08	ng	98
83) Chrysene	14.06	228	1689108	42.52	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	1207502	51.55	ng	99
85) Di-n-octyl phthalate	14.63	149	2151587	52.23	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	1937754	51.79	ng	98
88) Benzo(b)fluoranthene	15.07	252	1847860	40.04	ng	99
89) Benzo(k)fluoranthene	15.10	252	1852608	42.16	ng	100
90) Benzo(a)pyrene	15.44	252	1764477	42.07	ng	97
91) Dibenzo(a,h)anthracene	17.00	278	1653684	45.08	ng	97
92) Benzo(g,h,i)perylene	17.43	276	1544791	41.92	ng	97

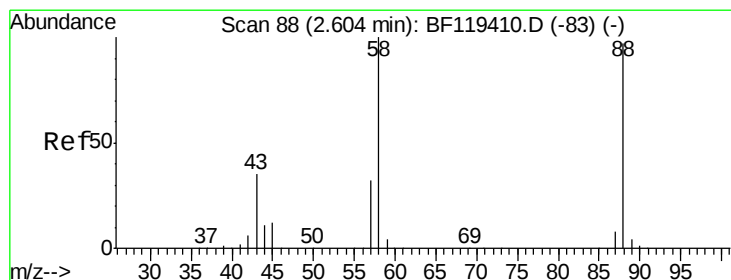
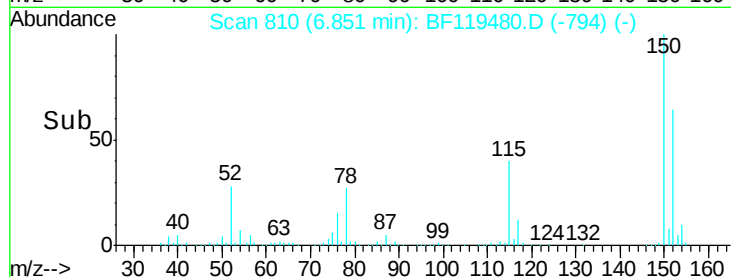
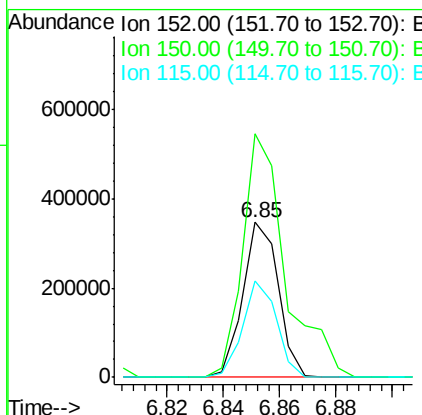
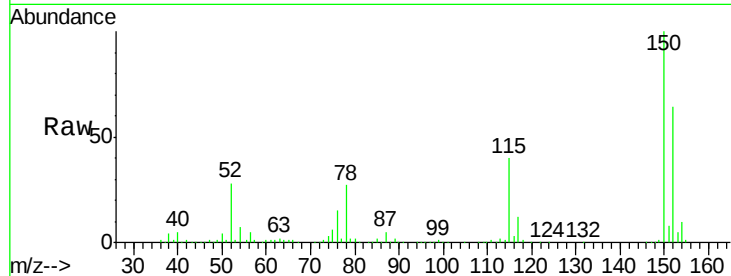
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

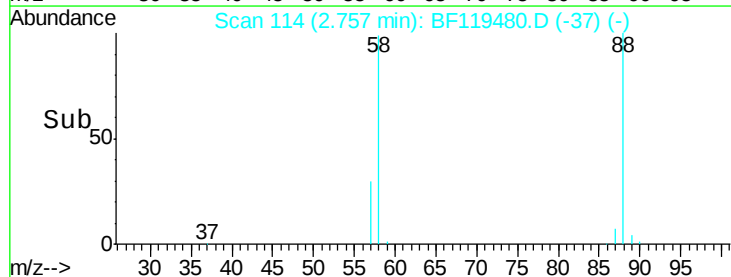
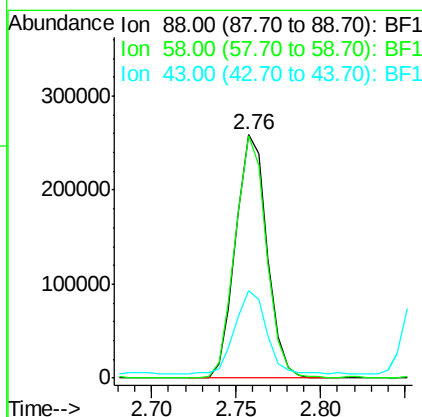
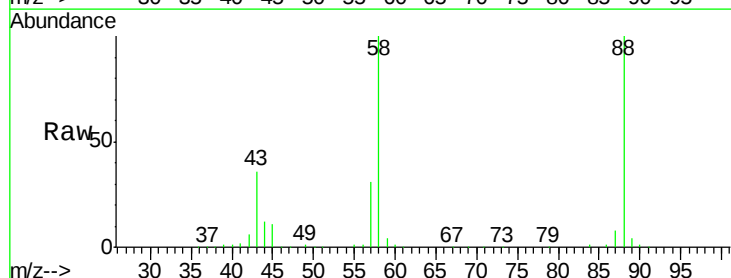
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

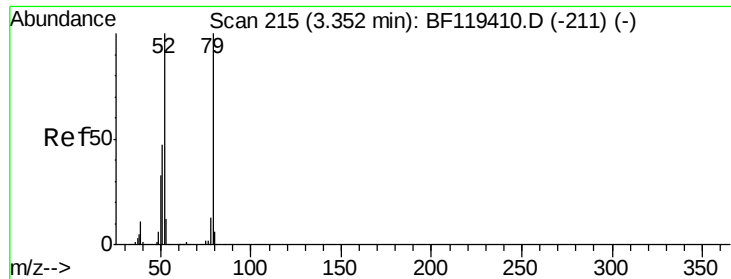
Tgt Ion: 152 Resp: 303648
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.9 185.9
 115 62.4 47.8 71.6



#2
 1,4-Dioxane
 Concen: 35.60 ng
 RT: 2.76 min Scan# 114
 Delta R.T. 0.15 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion: 88 Resp: 335350
 Ion Ratio Lower Upper
 88 100
 58 98.1 79.4 119.2
 43 0.0 28.4 42.6#





#3

Pyridine

Concen: 19.44 ng

RT: 3.47 min Scan# 235

Delta R.T. 0.12 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

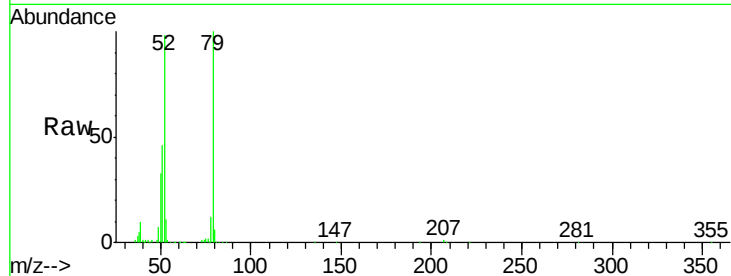
Tgt Ion: 79 Resp: 504621

Ion Ratio Lower Upper

79 100

52 97.9 80.0 120.0

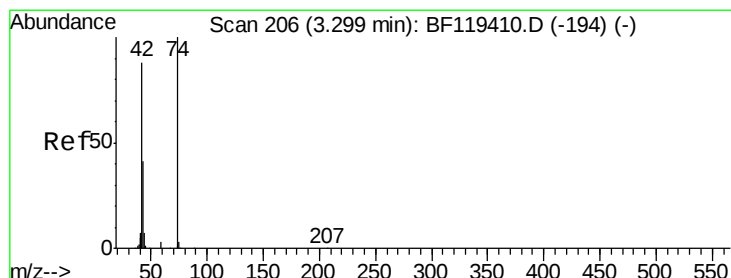
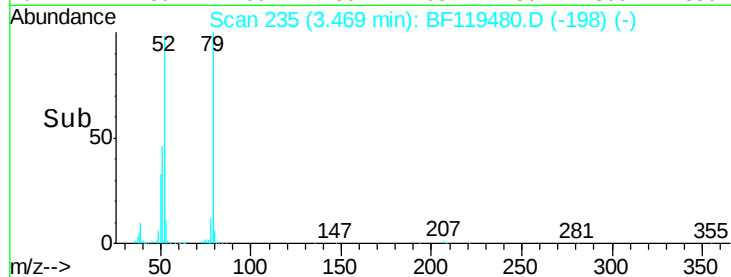
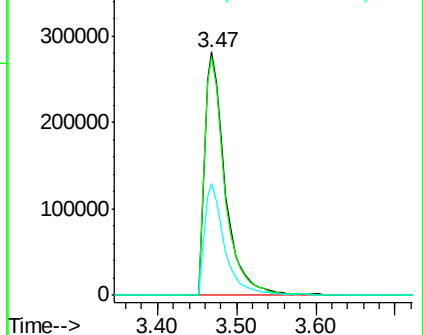
51 46.1 37.9 56.9



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 38.22 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.11 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

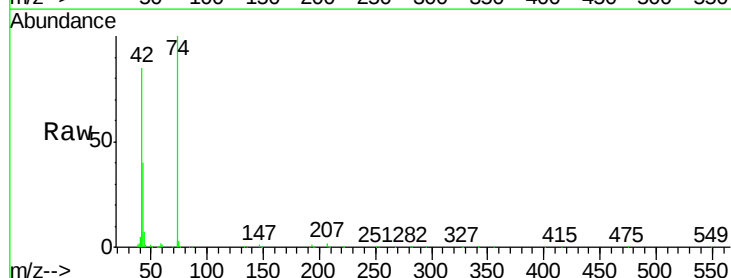
Tgt Ion: 42 Resp: 483783

Ion Ratio Lower Upper

42 100

74 117.6 91.3 136.9

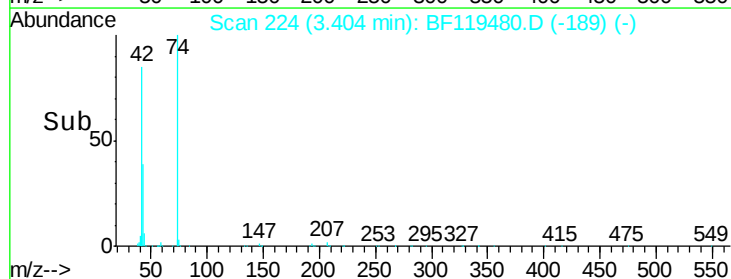
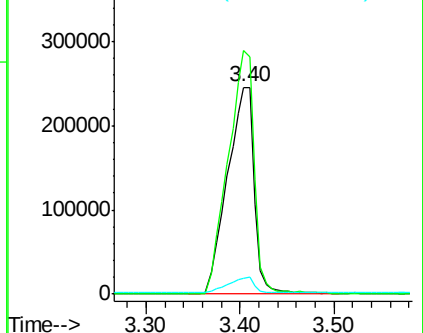
44 7.9 7.1 10.7

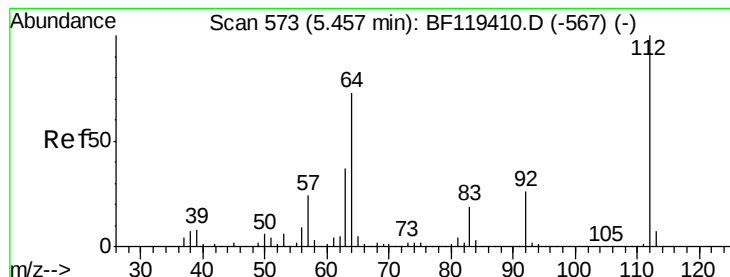


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 106.45 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

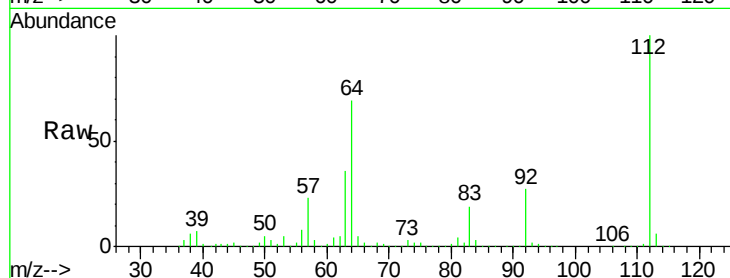
Tgt Ion: 112 Resp: 2030442

Ion Ratio Lower Upper

112 100

64 69.1 58.1 87.1

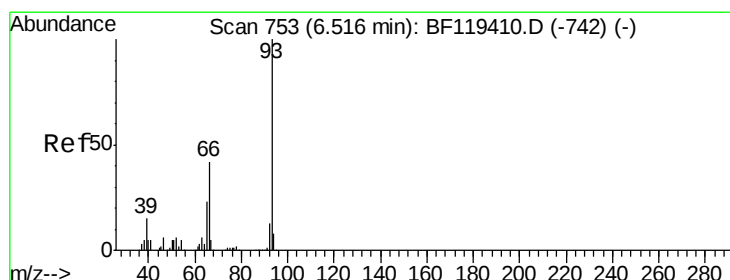
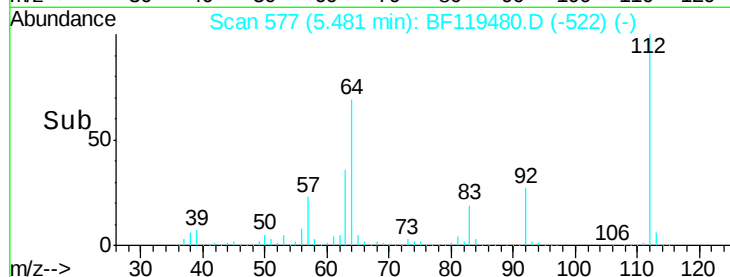
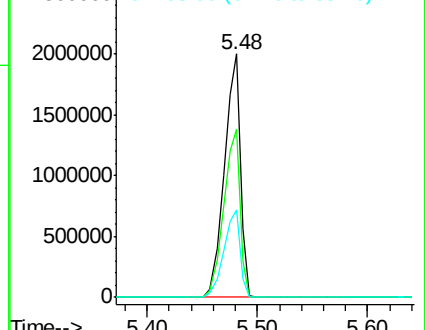
63 36.2 29.7 44.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 9.43 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

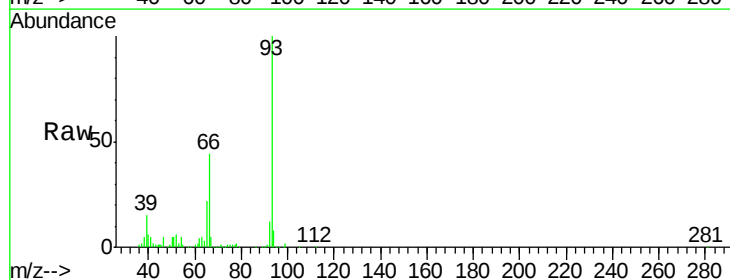
Tgt Ion: 93 Resp: 317201

Ion Ratio Lower Upper

93 100

66 44.4 34.2 51.4

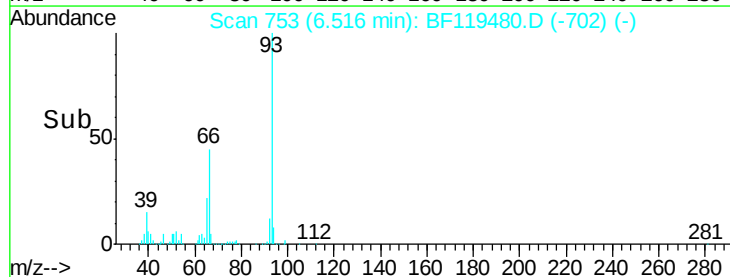
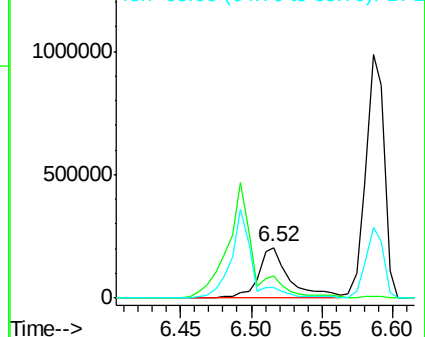
65 22.0 18.2 27.4

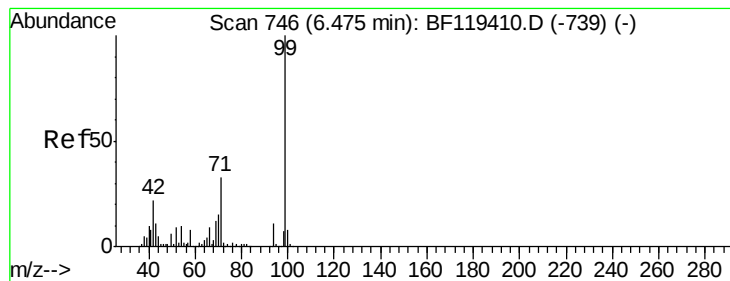


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 98.36 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

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BU-02-031920MSD

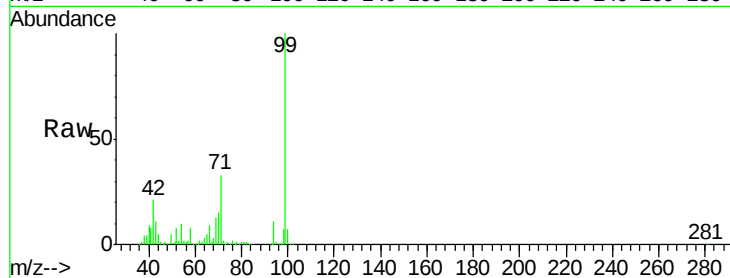
Tgt Ion: 99 Resp: 2396764

Ion Ratio Lower Upper

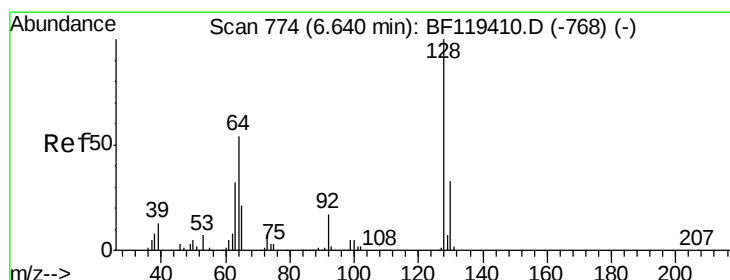
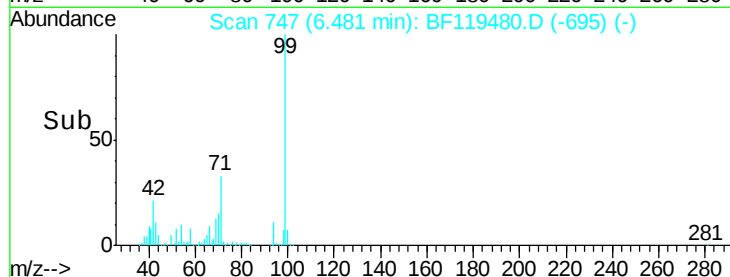
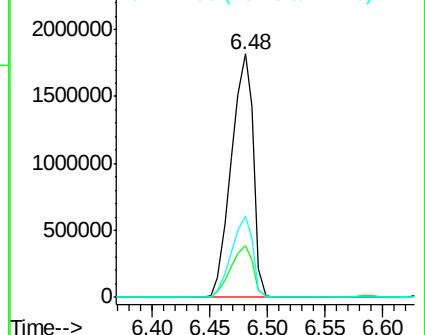
99 100

42 21.3 17.8 26.6

71 33.5 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.74 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

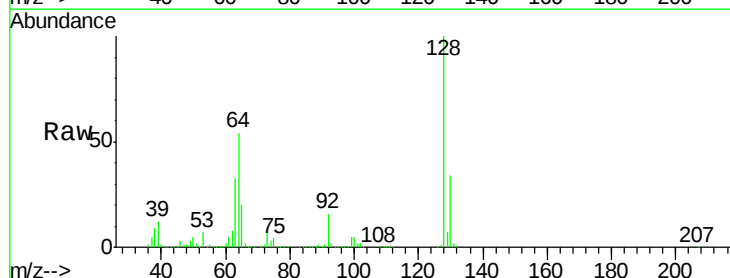
Tgt Ion: 128 Resp: 916338

Ion Ratio Lower Upper

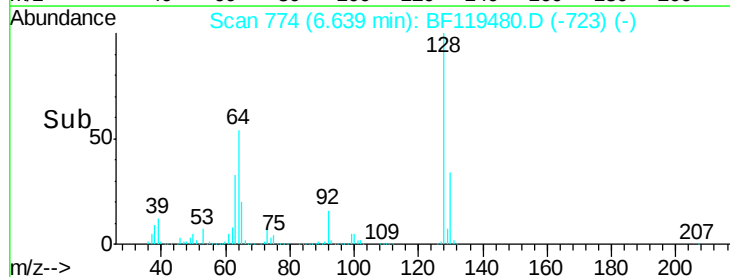
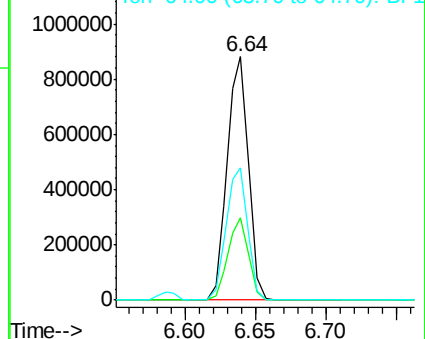
128 100

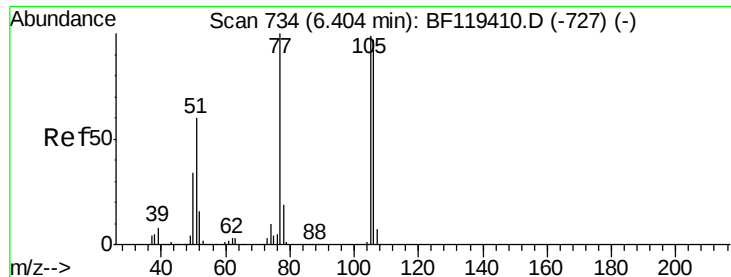
130 33.7 13.0 53.0

64 54.5 35.1 75.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 39.96 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

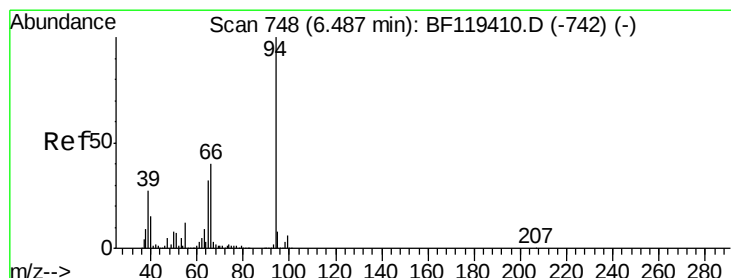
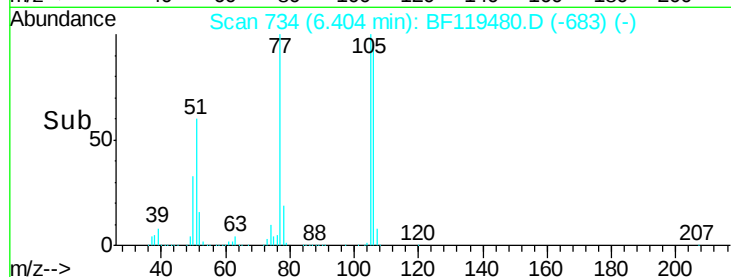
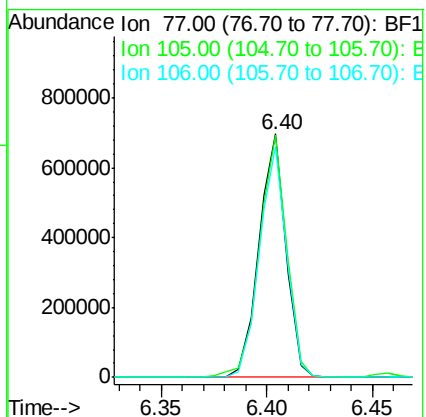
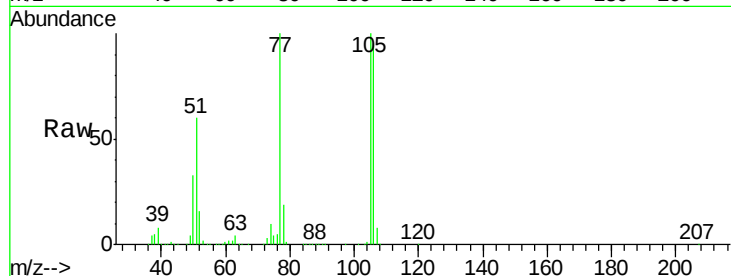
Tgt Ion: 77 Resp: 617683

Ion Ratio Lower Upper

77 100

105 99.7 78.6 118.6

106 95.0 76.5 116.5



#10

Phenol

Concen: 36.95 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

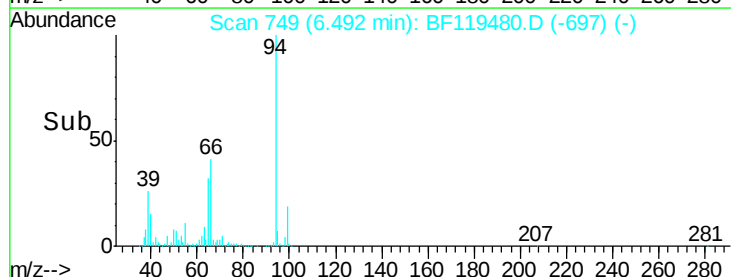
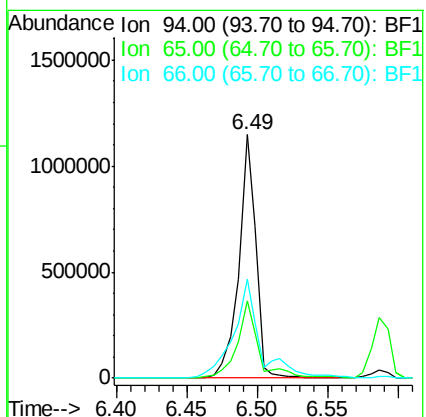
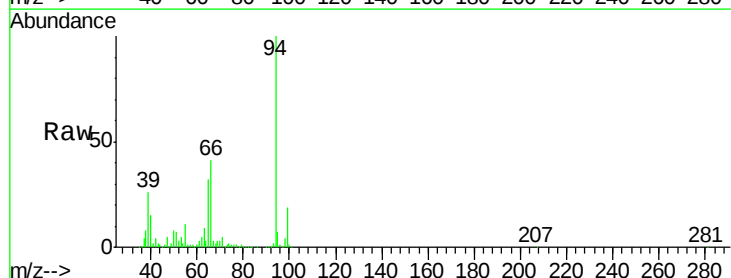
Tgt Ion: 94 Resp: 960649

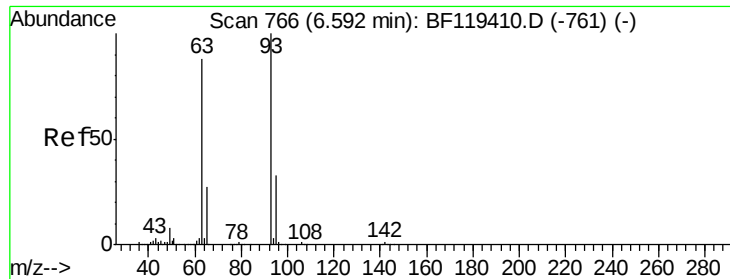
Ion Ratio Lower Upper

94 100

65 31.5 12.0 52.0

66 40.6 20.6 60.6

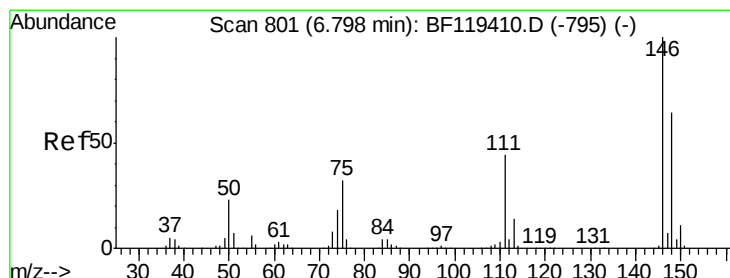
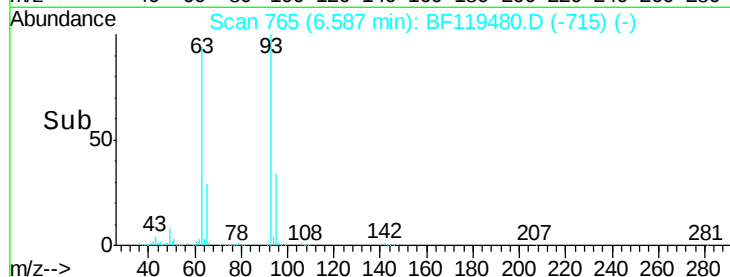
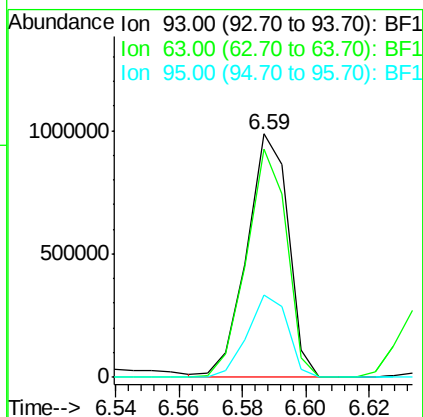
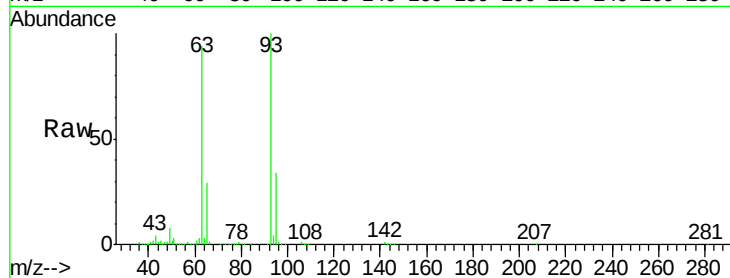




#11
bis(2-Chloroethyl)ether
Concen: 42.90 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

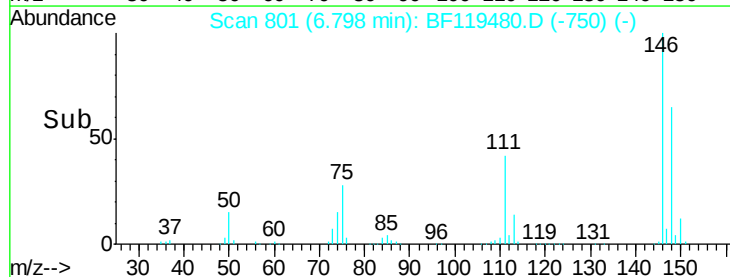
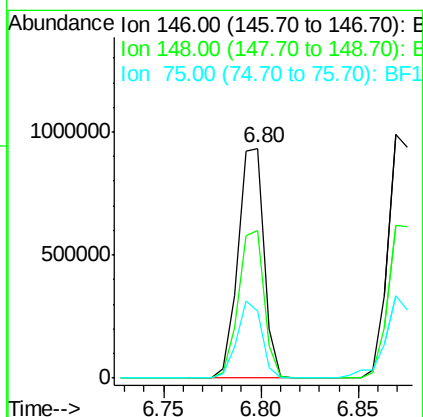
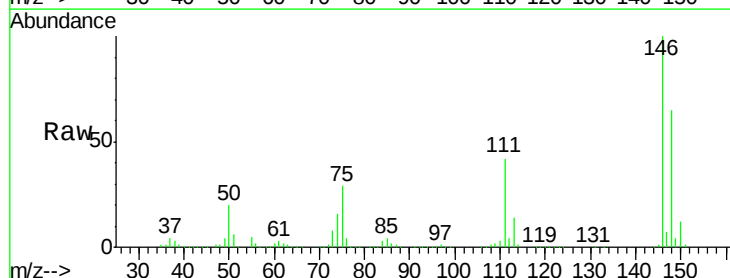
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

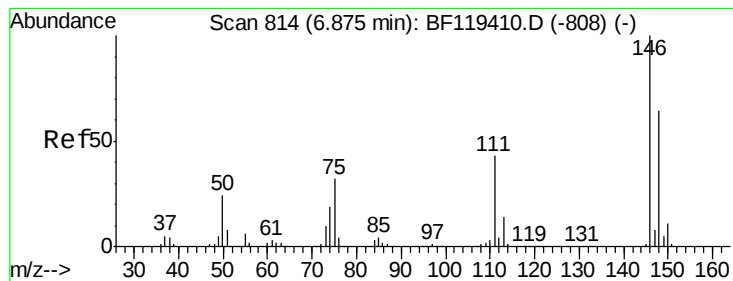
Tgt Ion: 93 Resp: 892003
Ion Ratio Lower Upper
93 100
63 93.7 68.4 108.4
95 33.6 13.4 53.4



#12
1,3-Dichlorobenzene
Concen: 39.62 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Tgt Ion: 146 Resp: 859044
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.0
75 29.1 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 40.54 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

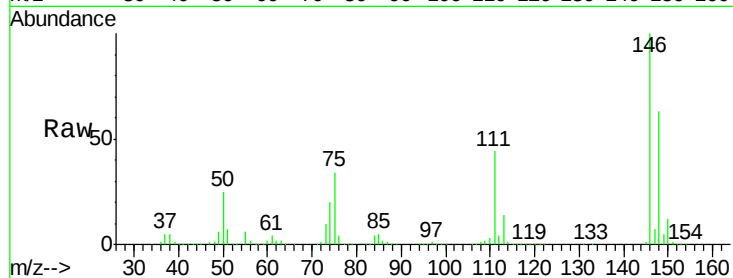
Tgt Ion:146 Resp: 879290

Ion Ratio Lower Upper

146 100

148 62.8 50.9 76.3

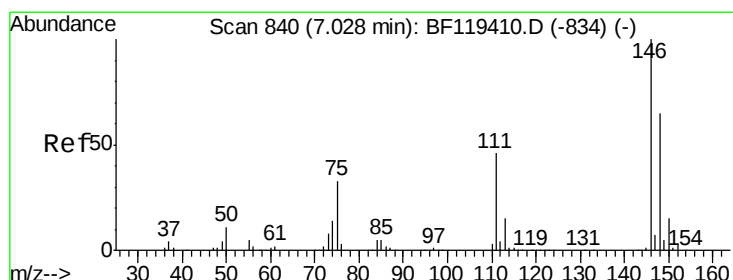
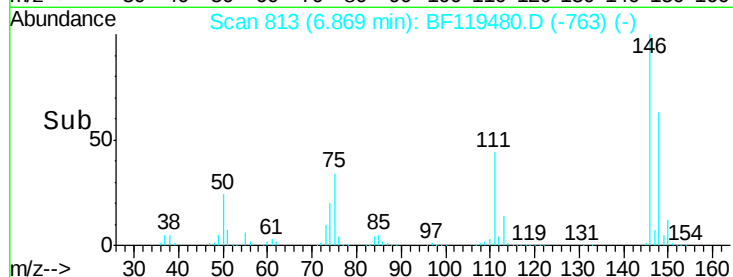
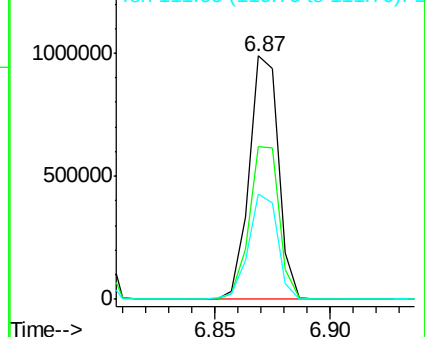
111 43.5 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.41 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

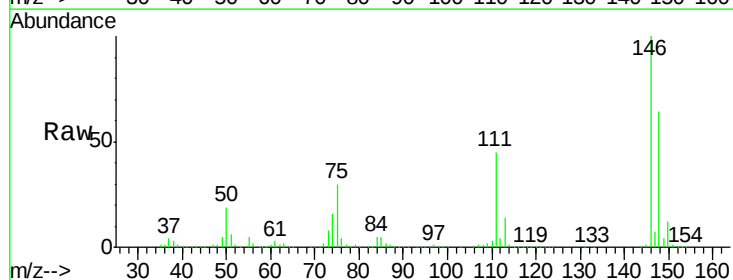
Tgt Ion:146 Resp: 819213

Ion Ratio Lower Upper

146 100

148 64.0 51.7 77.5

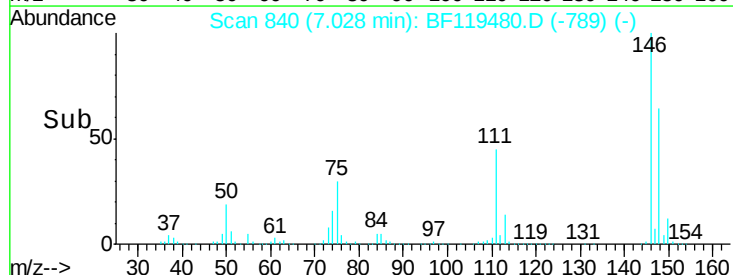
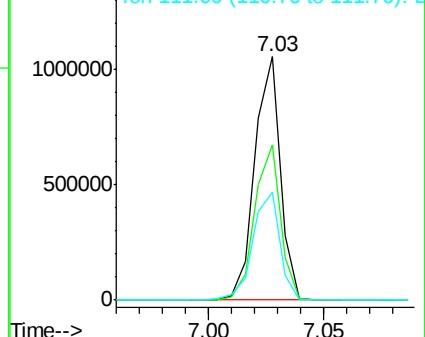
111 44.5 36.4 54.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.29 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

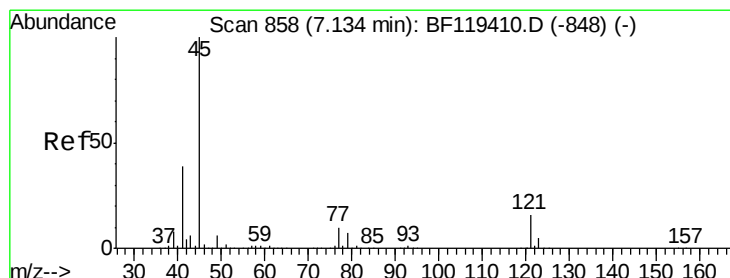
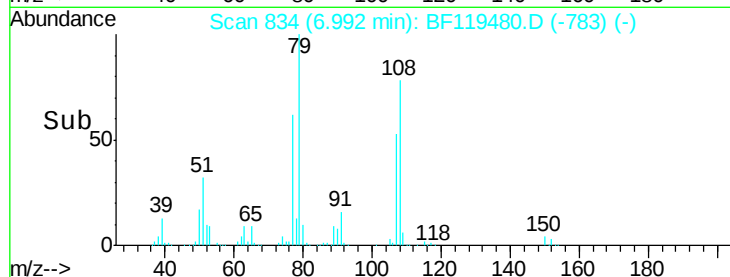
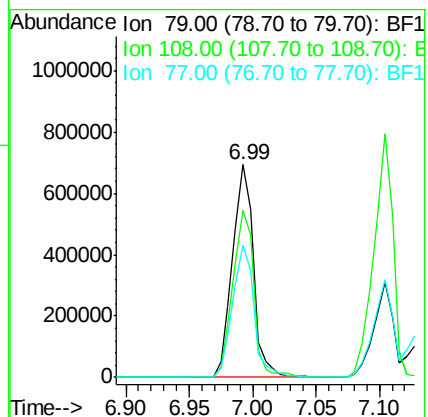
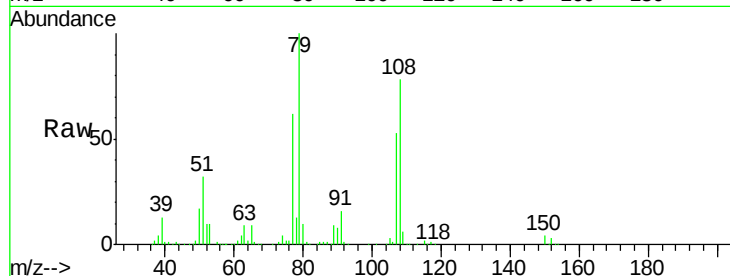
Tgt Ion: 79 Resp: 793366

Ion Ratio Lower Upper

79 100

108 78.4 60.4 90.6

77 62.2 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.59 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

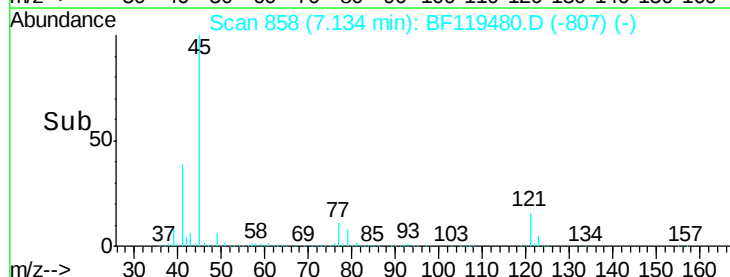
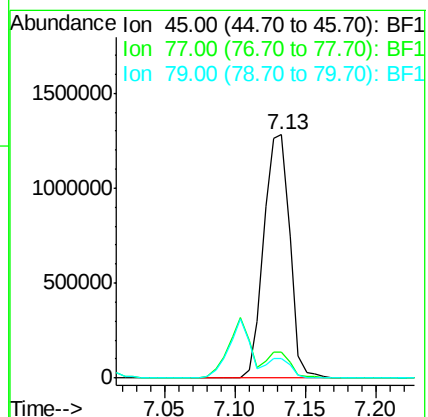
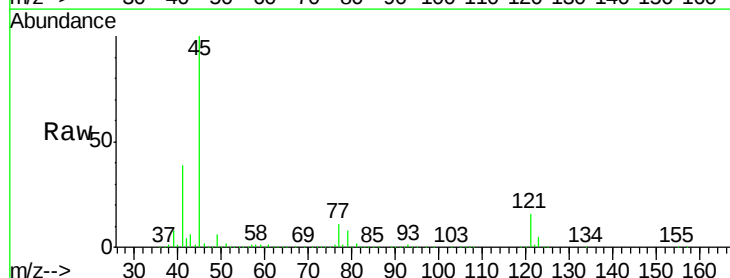
Tgt Ion: 45 Resp: 1660418

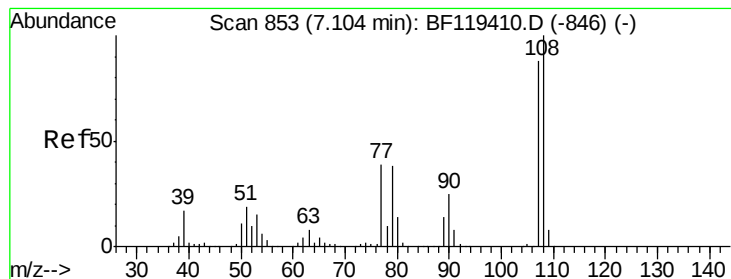
Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.1

79 8.3 0.0 27.4





#17

2-Methylphenol

Concen: 39.38 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tgt Ion:107 Resp: 722905

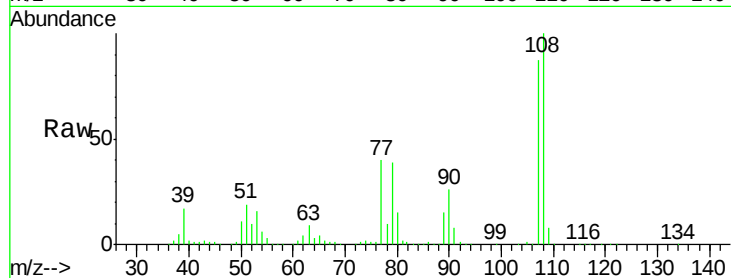
Ion Ratio Lower Upper

107 100

108 114.4 90.7 136.1

77 46.2 35.6 53.4

79 44.8 34.7 52.1

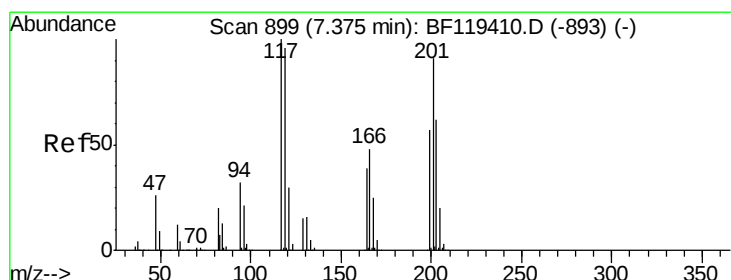
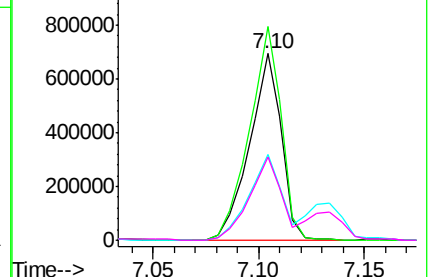
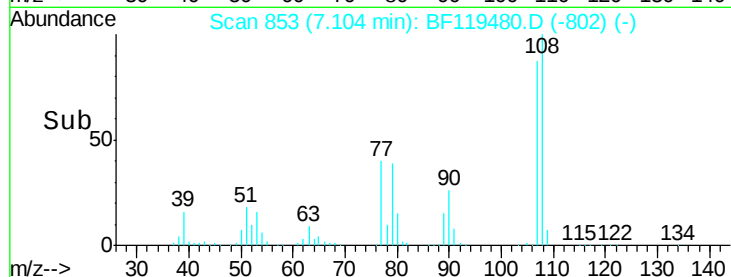


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 40.59 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

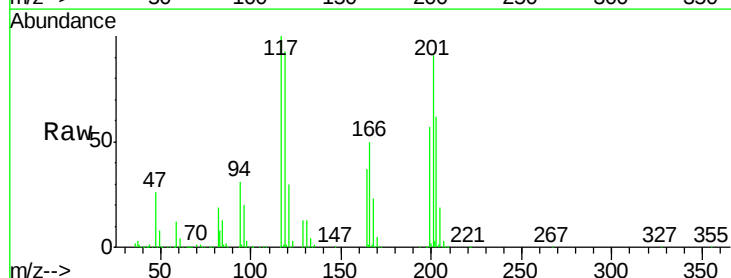
Tgt Ion:117 Resp: 322608

Ion Ratio Lower Upper

117 100

119 93.3 76.8 115.2

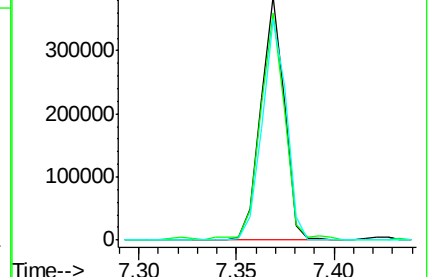
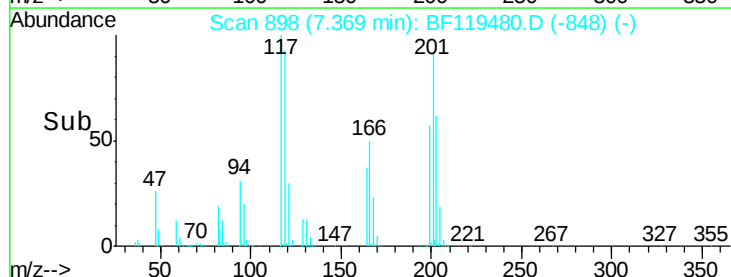
201 90.6 72.5 108.7

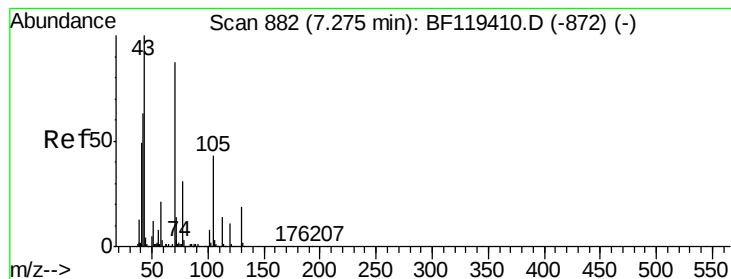


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 43.66 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tgt Ion: 70 Resp: 641212

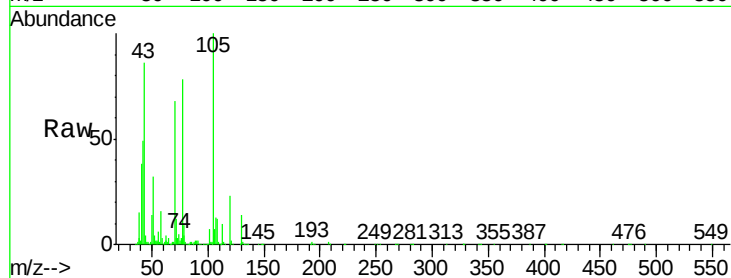
Ion Ratio Lower Upper

70 100

42 72.2 58.2 87.4

101 9.8 7.4 11.2

130 20.8 17.8 26.8

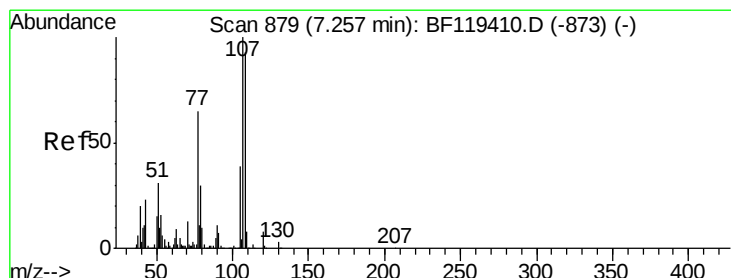
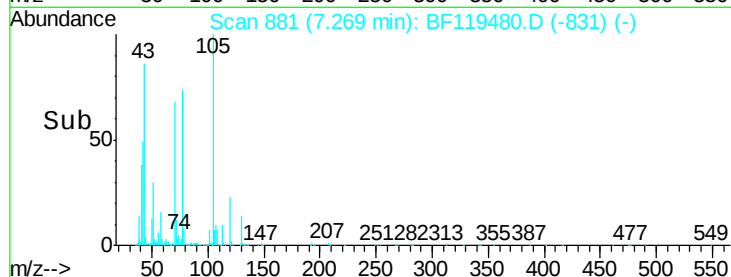
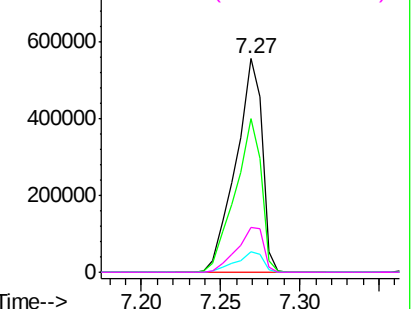


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 37.99 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Tgt Ion: 107 Resp: 854575

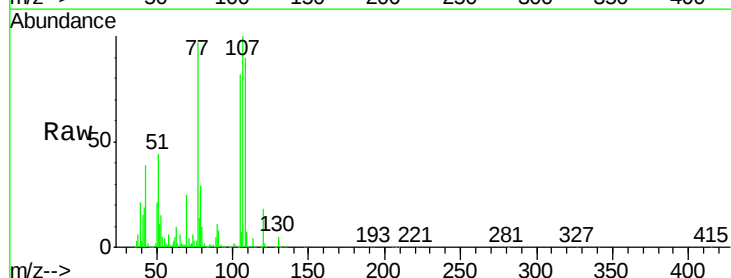
Ion Ratio Lower Upper

107 100

108 90.2 72.6 112.6

77 96.9 44.7 84.7#

79 28.7 10.2 50.2

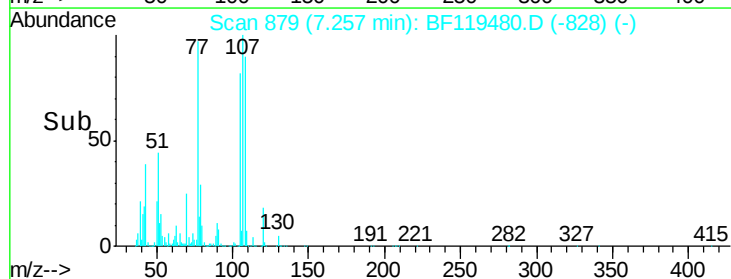
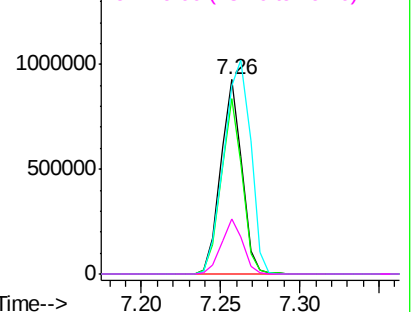


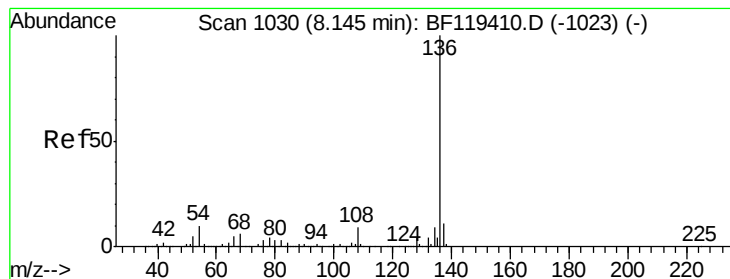
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tgt Ion:136 Resp: 1158248

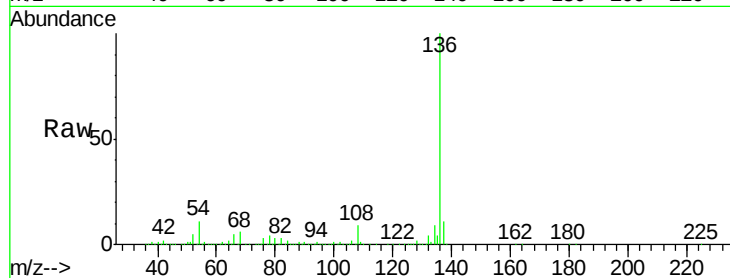
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 10.6 8.3 12.5

68 6.0 4.9 7.3

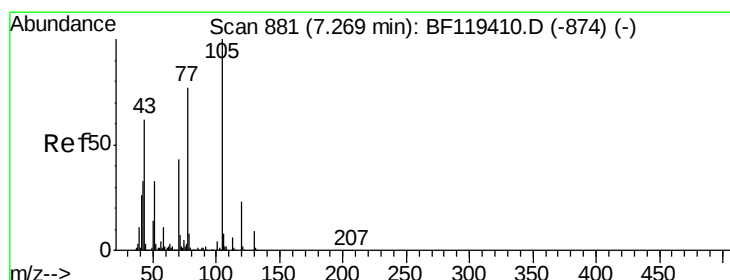
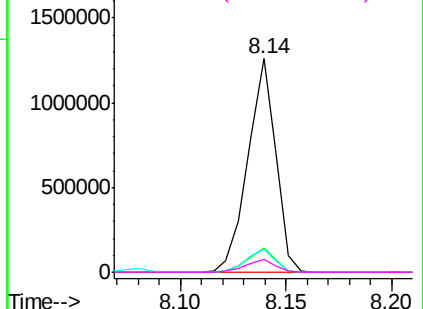
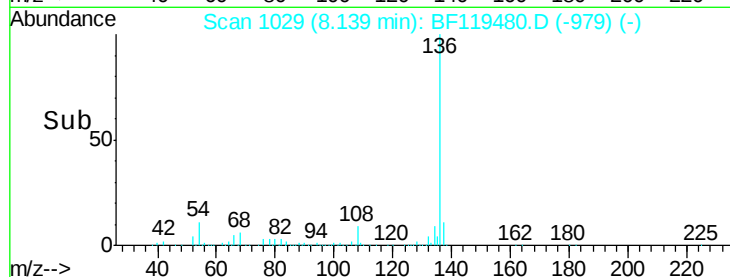


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 43.10 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Tgt Ion:105 Resp: 1192970

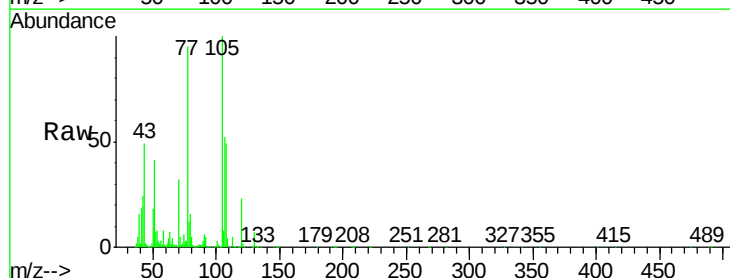
Ion Ratio Lower Upper

105 100

71 5.3 5.8 8.6#

51 41.2 26.8 40.2#

120 22.8 18.0 27.0

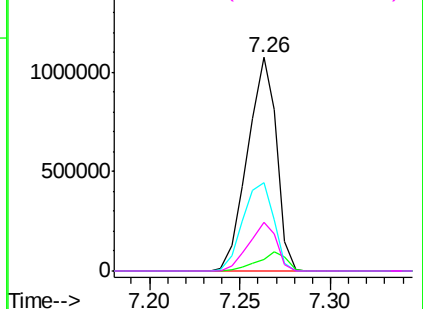
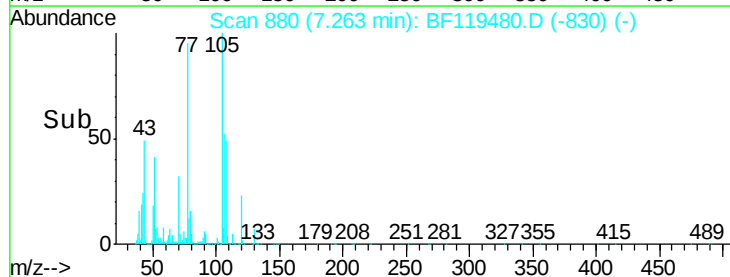


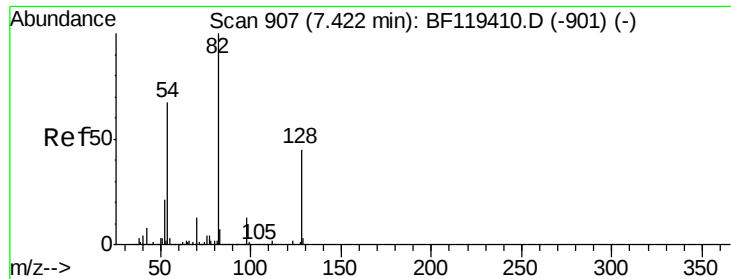
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

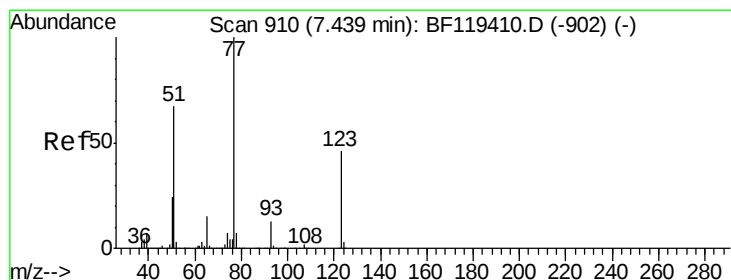
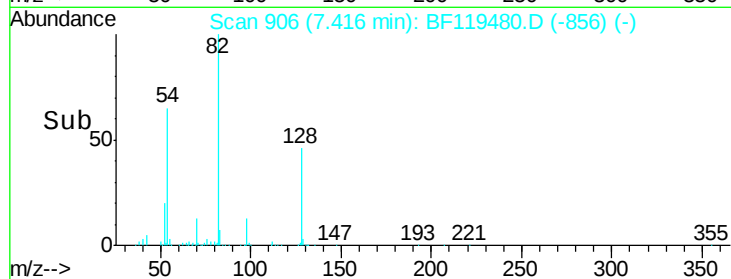
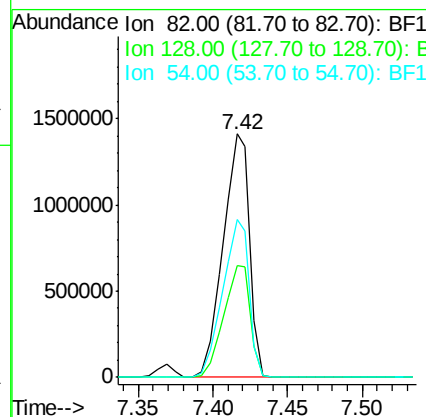
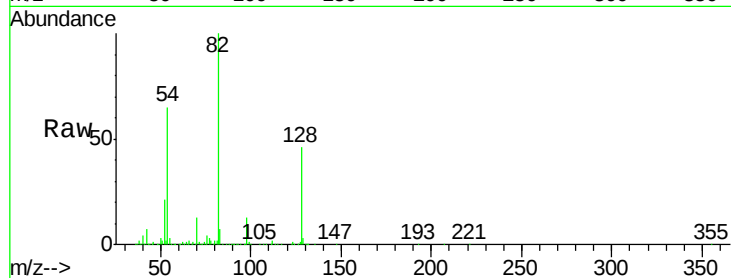




#23
 Nitrobenzene-d5
 Concen: 82.25 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

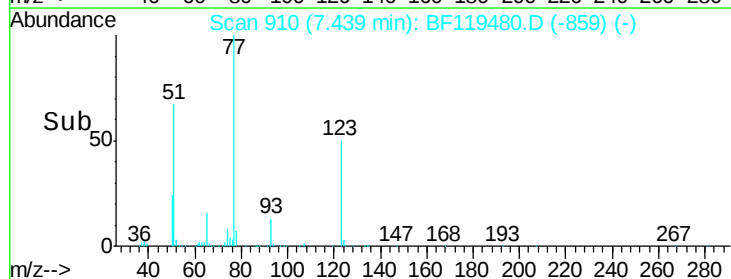
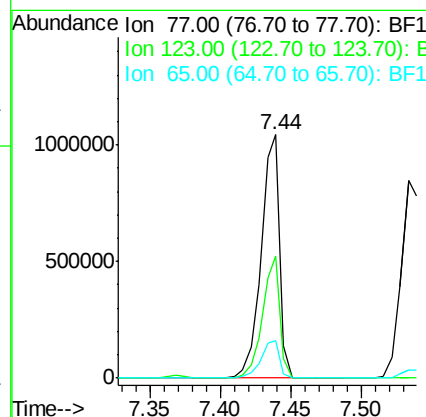
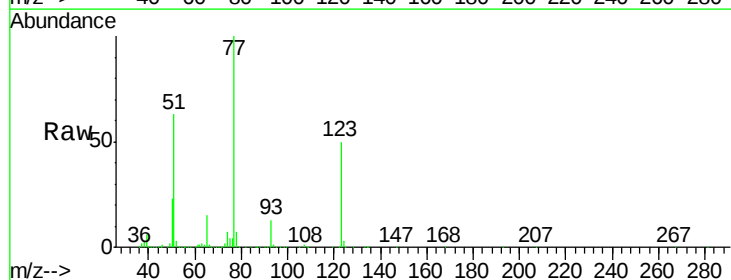
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

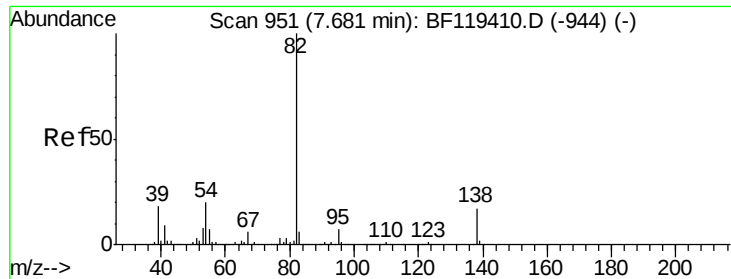
Tgt Ion: 82 Resp: 1752842
 Ion Ratio Lower Upper
 82 100
 128 45.7 35.8 53.8
 54 65.0 53.4 80.0



#24
 Nitrobenzene
 Concen: 42.04 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion: 77 Resp: 957478
 Ion Ratio Lower Upper
 77 100
 123 50.2 36.9 55.3
 65 15.2 12.2 18.4





#25

Isophorone

Concen: 40.66 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

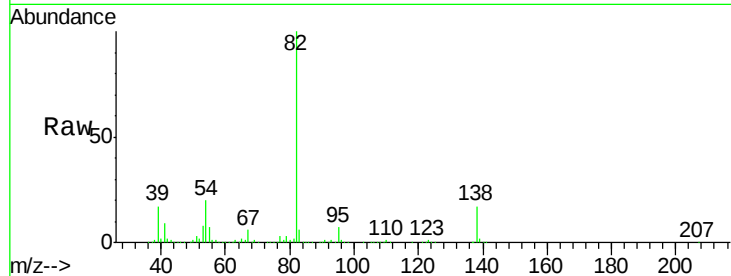
Tgt Ion: 82 Resp: 1757644

Ion Ratio Lower Upper

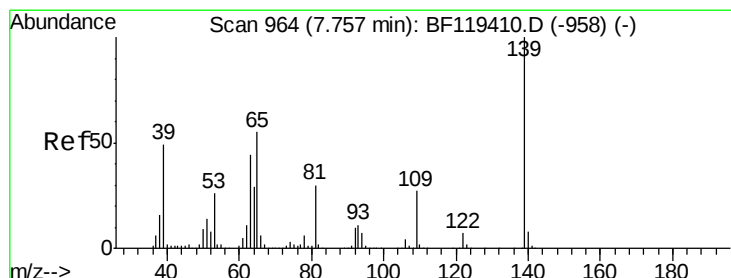
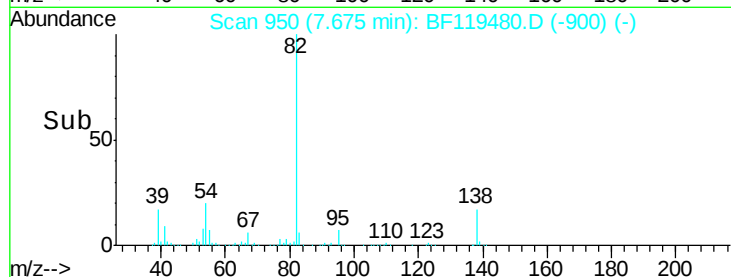
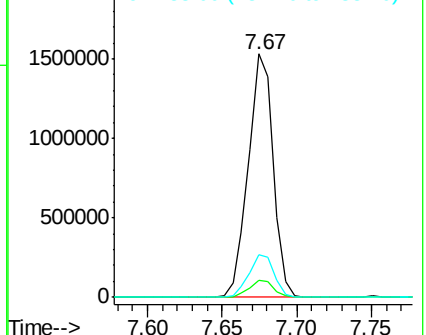
82 100

95 6.8 5.4 8.2

138 17.4 13.8 20.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 52.15 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

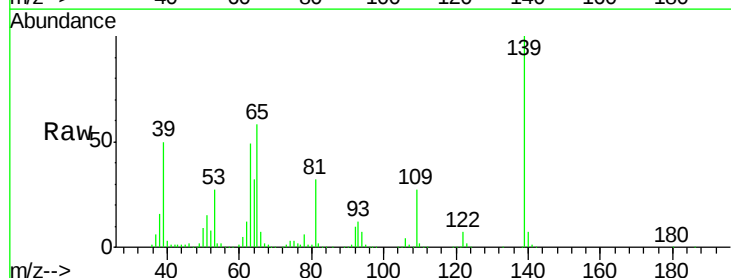
Tgt Ion: 139 Resp: 467628

Ion Ratio Lower Upper

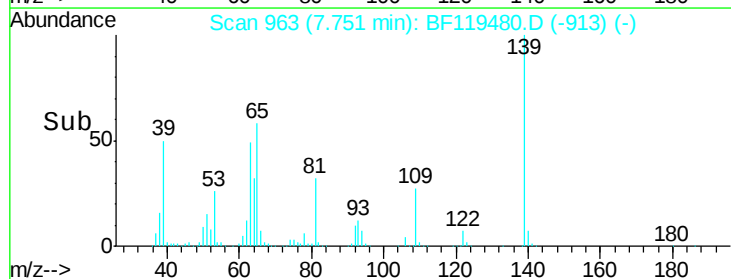
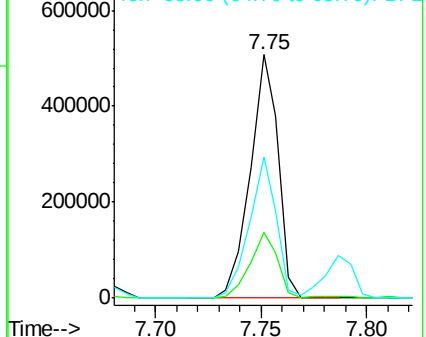
139 100

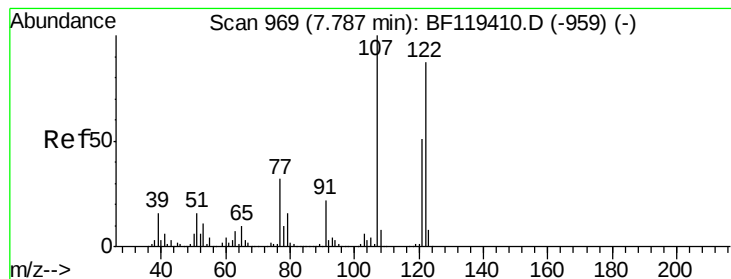
109 26.7 21.7 32.5

65 57.9 43.9 65.9



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 42.93 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

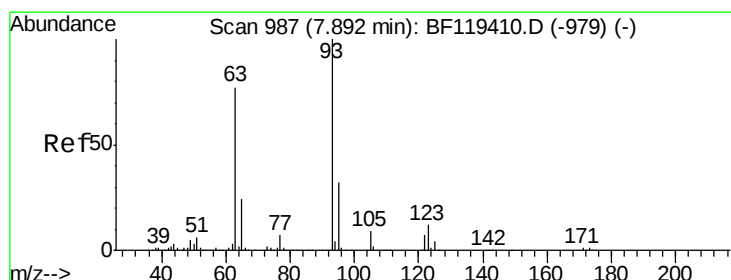
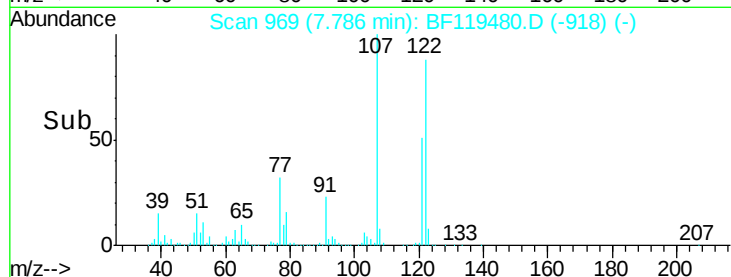
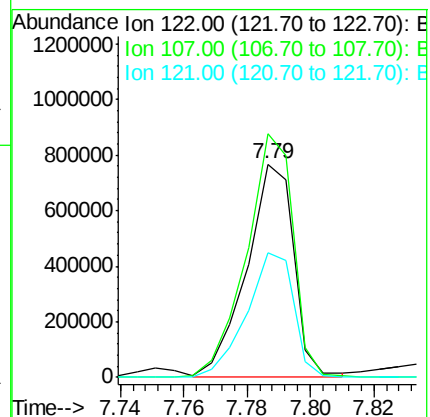
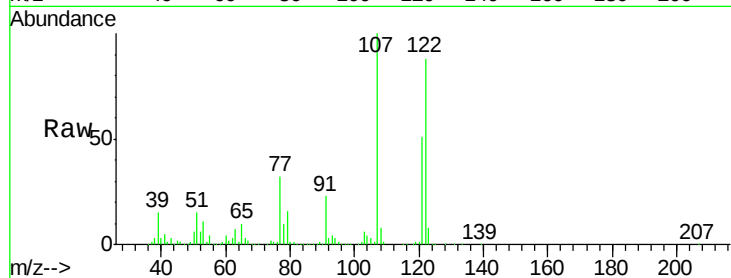
Tgt Ion:122 Resp: 796089

Ion Ratio Lower Upper

122 100

107 114.3 91.8 137.6

121 58.5 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 42.97 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

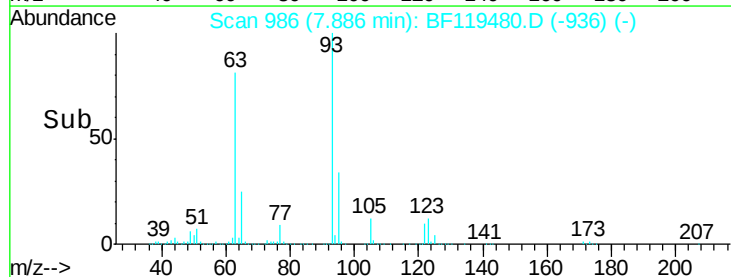
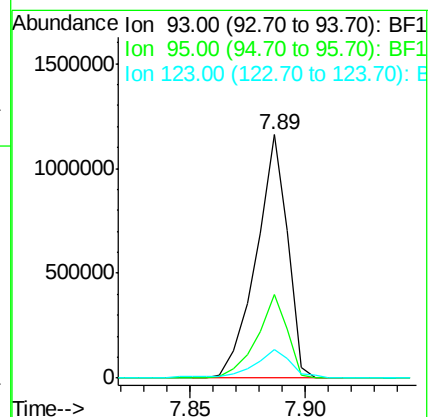
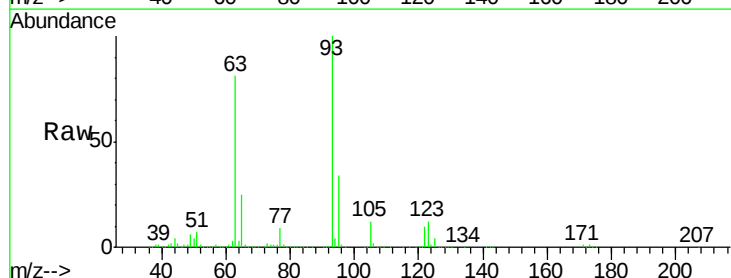
Tgt Ion: 93 Resp: 1098608

Ion Ratio Lower Upper

93 100

95 34.1 26.0 39.0

123 11.9 9.7 14.5

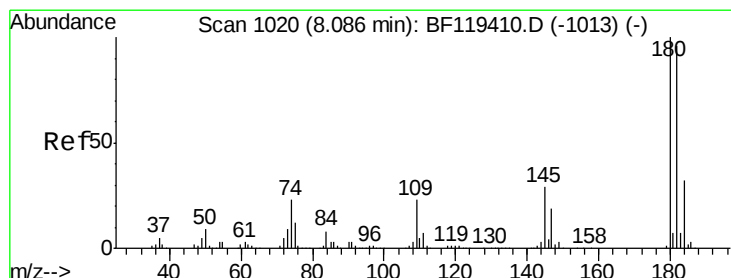
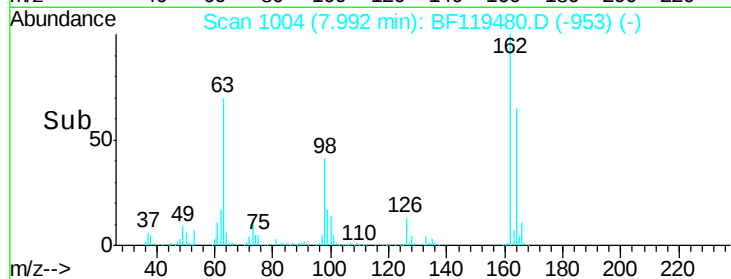
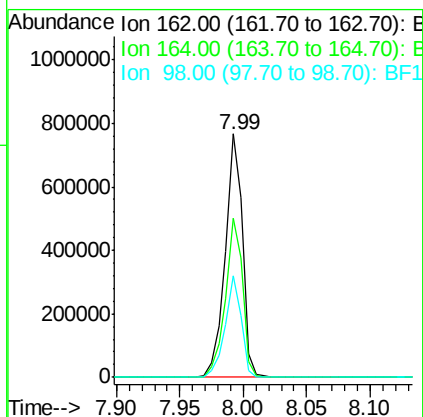
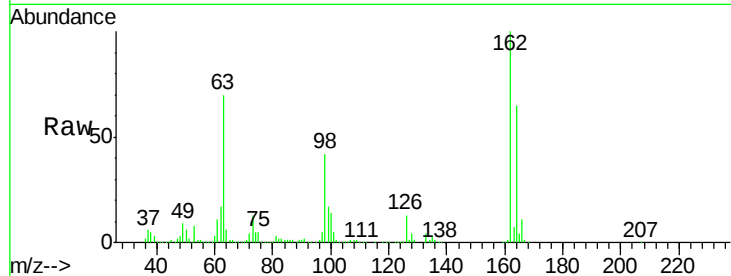




#29
 2,4-Dichlorophenol
 Concen: 42.52 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

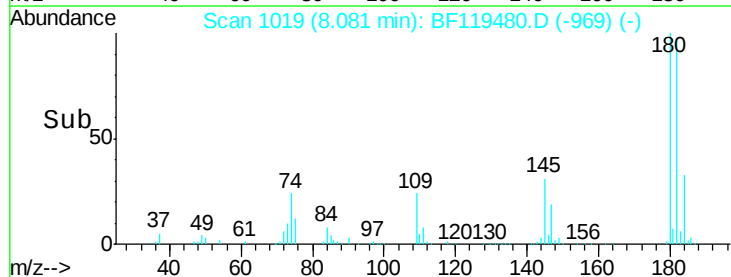
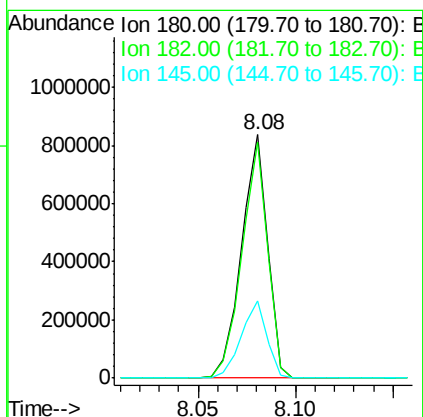
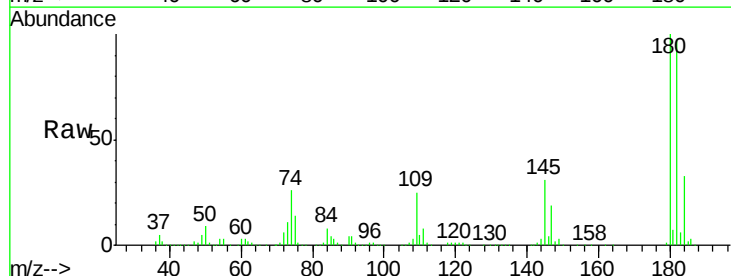
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

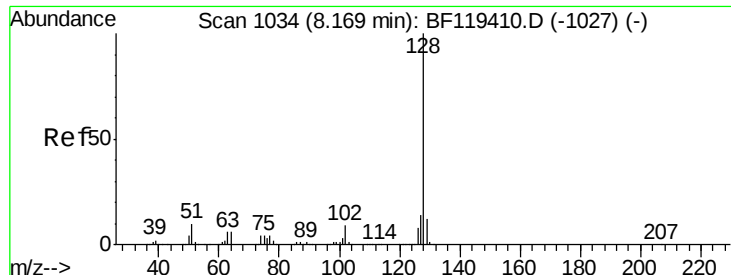
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.2	43.6	83.6
98	41.5	20.4	60.4



#30
 1,2,4-Trichlorobenzene
 Concen: 40.96 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.6	115.0
145	31.5	23.2	34.8

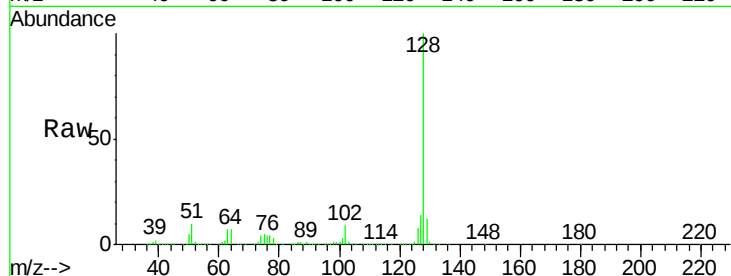




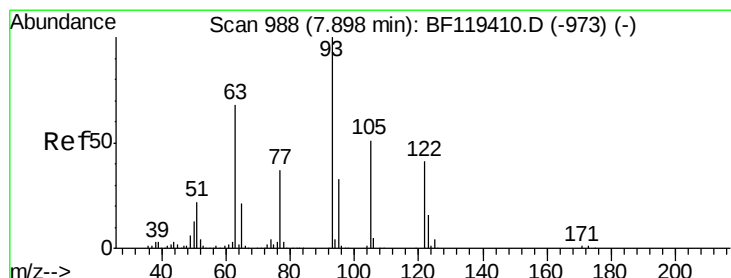
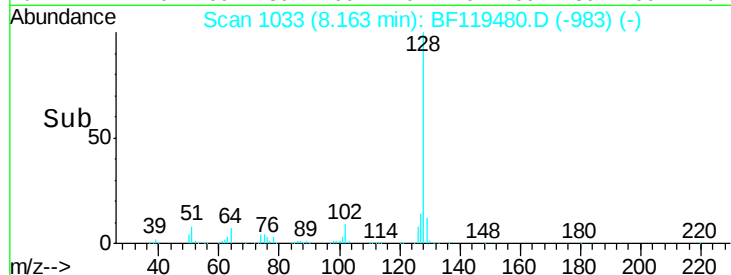
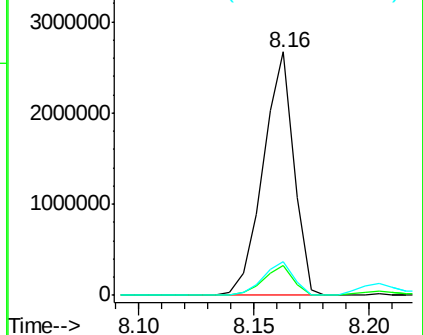
#31
Naphthalene
Concen: 41.32 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tgt Ion:128 Resp: 2462993
Ion Ratio Lower Upper
128 100
129 12.1 9.3 13.9
127 13.9 11.0 16.4

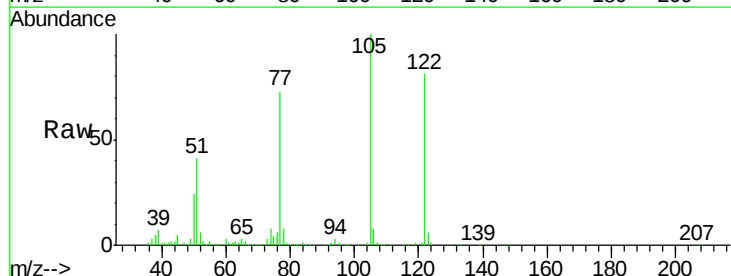


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

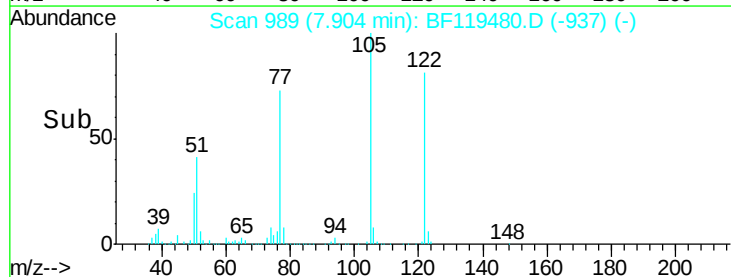
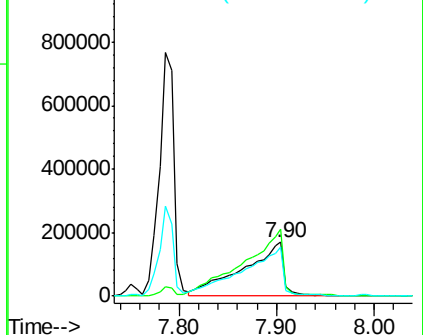


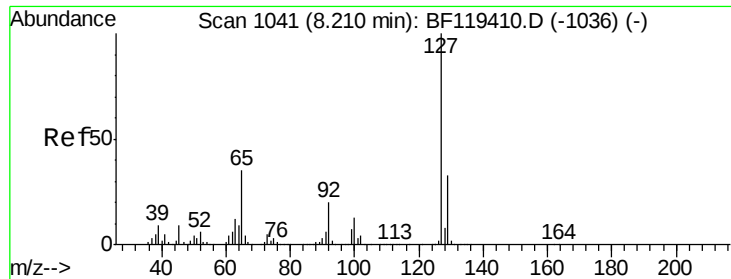
#32
Benzoic acid
Concen: 40.61 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Tgt Ion:122 Resp: 484365
Ion Ratio Lower Upper
122 100
105 123.7 102.9 142.9
77 90.8 70.1 110.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

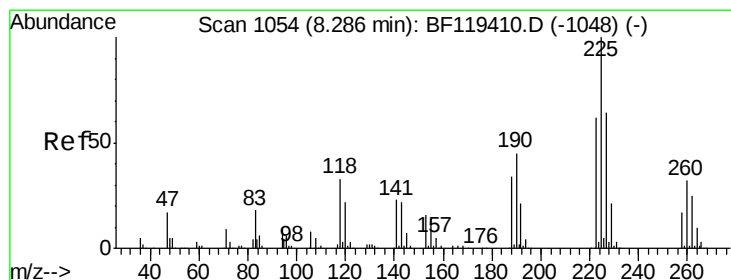
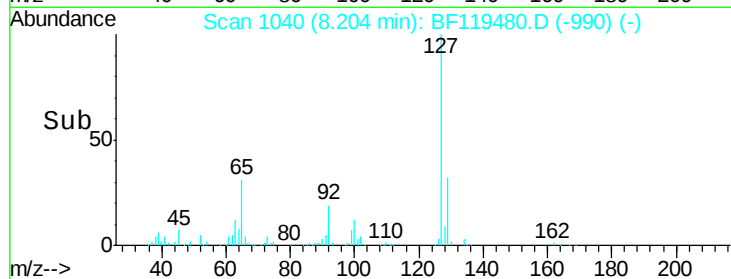
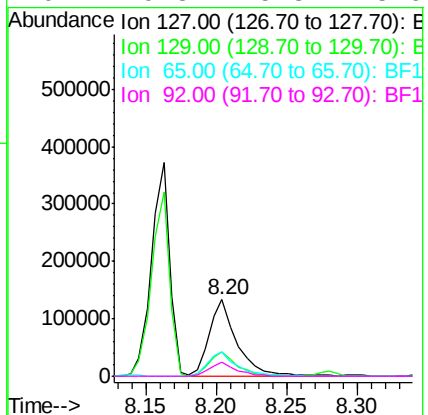
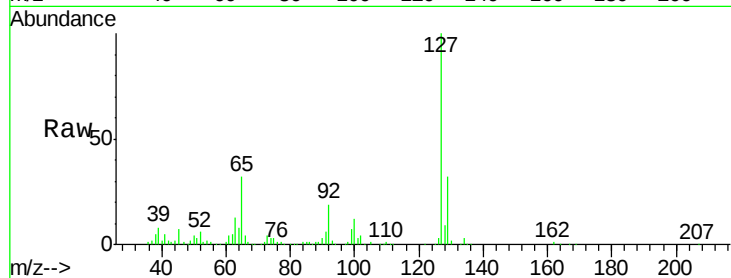




#33
4-Chloroaniline
Concen: 6.43 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

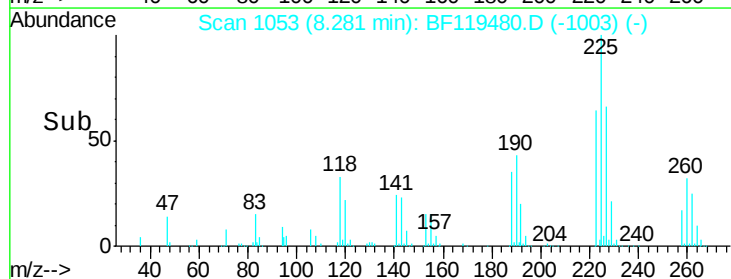
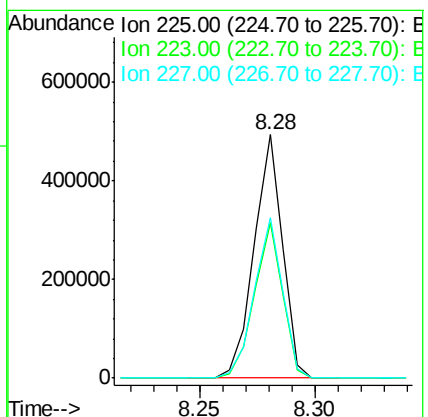
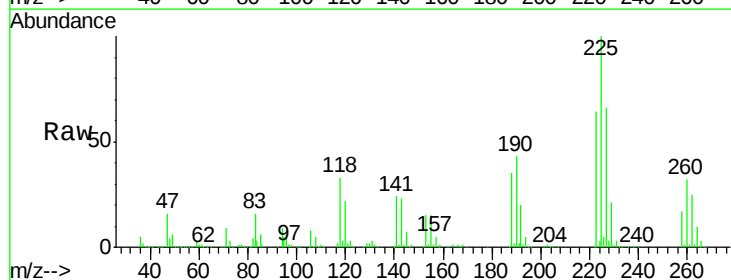
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

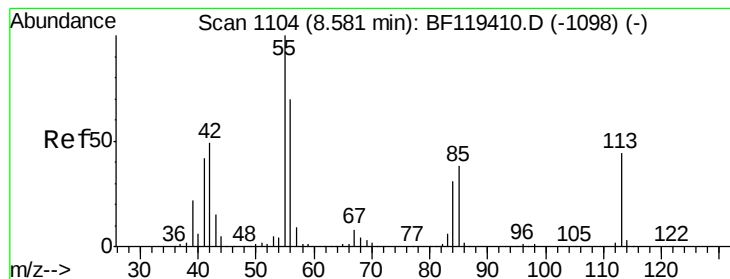
Tgt Ion:	127	Resp:	175697
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	32.2	27.7	41.5
92	19.3	15.8	23.6



#34
Hexachlorobutadiene
Concen: 40.31 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Tgt Ion:	225	Resp:	425000
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.2	73.8
227	66.0	51.1	76.7





#35

Caprolactam

Concen: 20.60 ng

RT: 8.57 min Scan# 1103

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

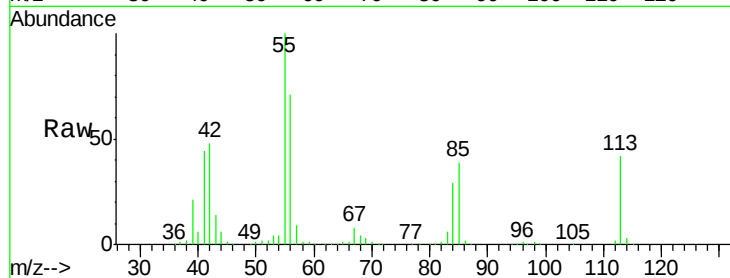
Tgt Ion:113 Resp: 114856

Ion Ratio Lower Upper

113 100

55 238.1 208.4 248.4

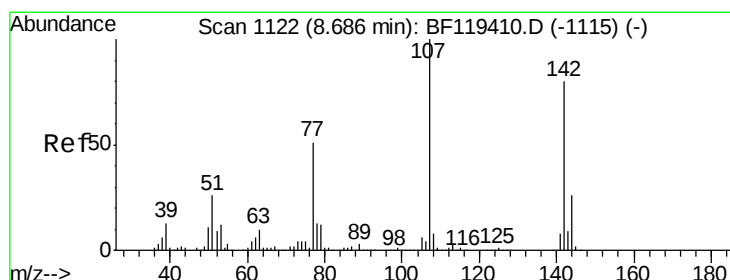
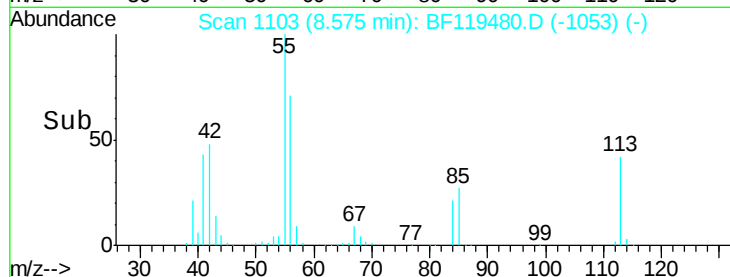
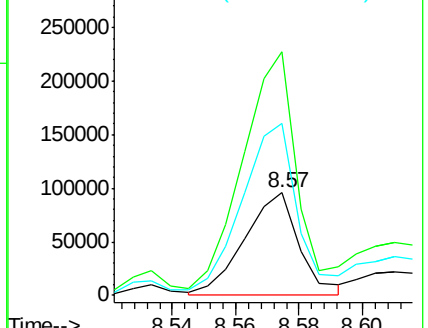
56 168.4 138.9 178.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 42.05 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

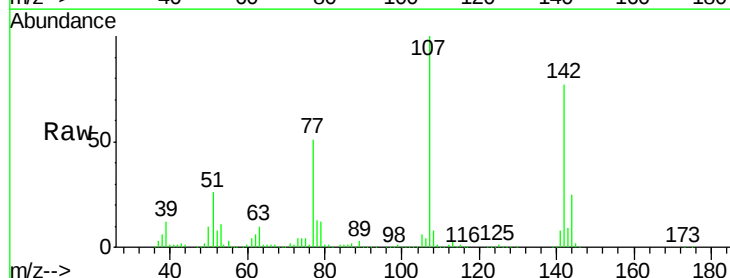
Tgt Ion:107 Resp: 783038

Ion Ratio Lower Upper

107 100

144 25.1 20.6 31.0

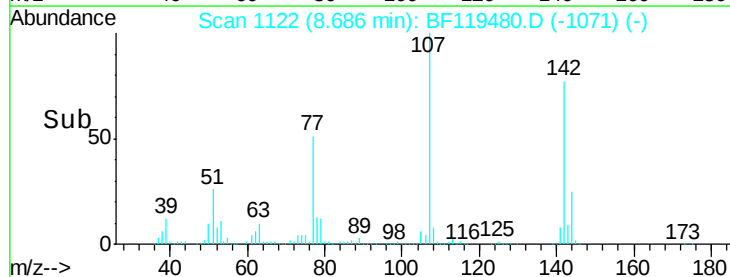
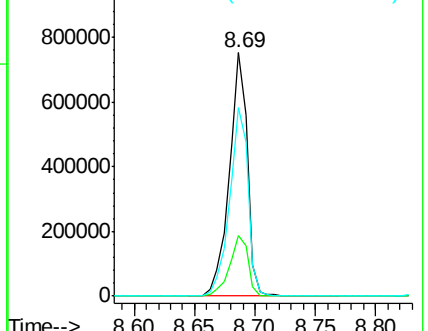
142 77.5 63.8 95.6

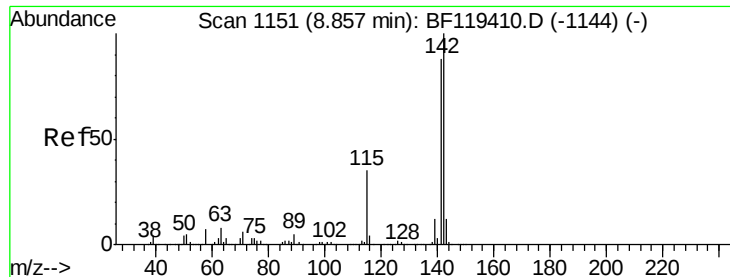


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

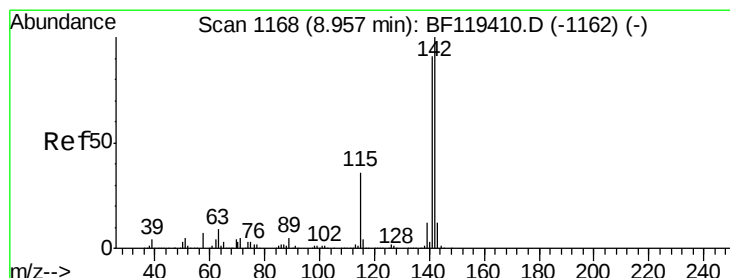
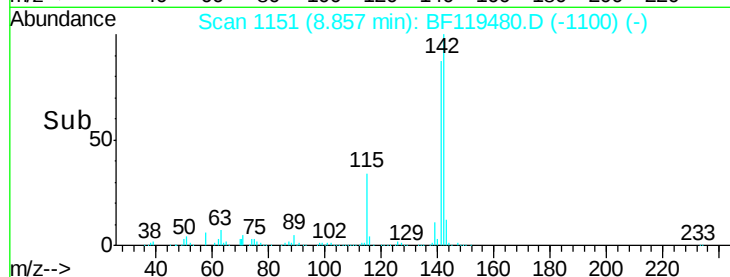
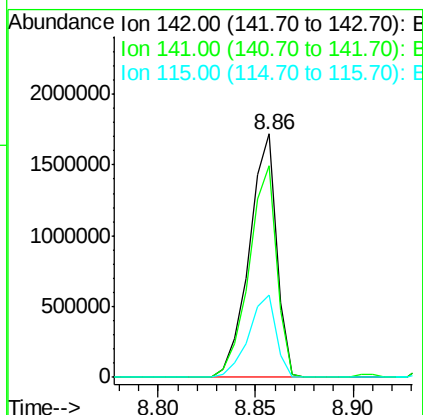
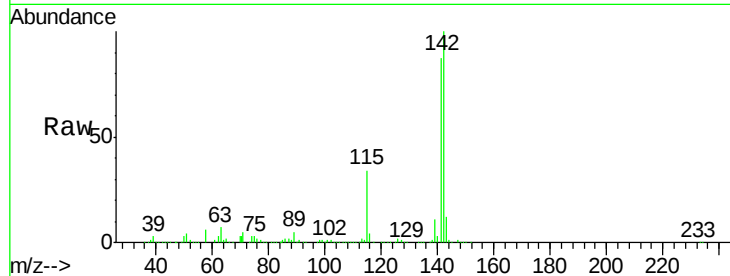




#37
 2-Methylnaphthalene
 Concen: 42.80 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

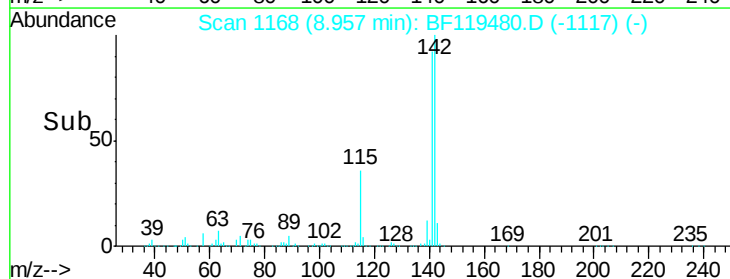
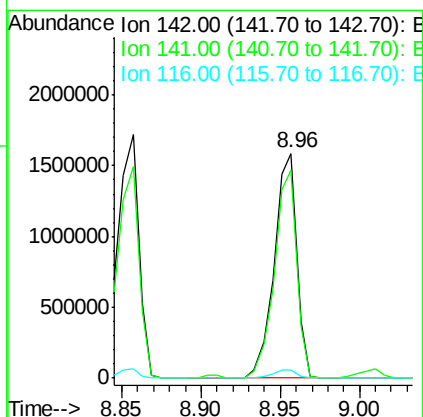
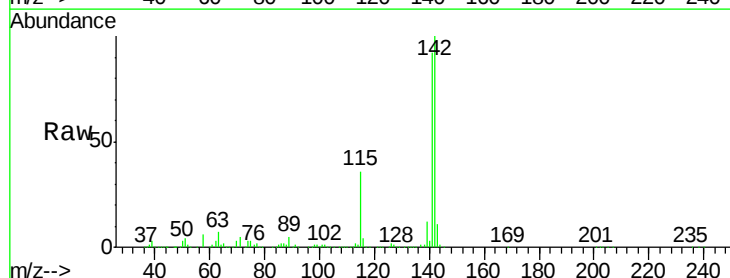
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

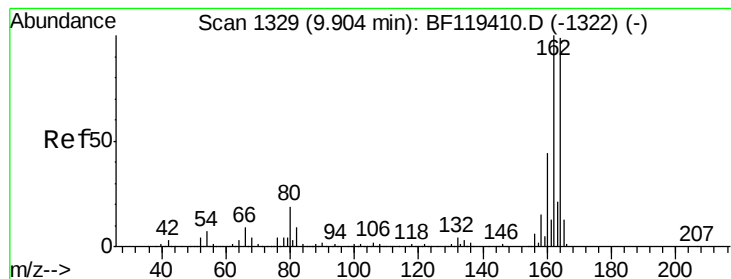
Tgt Ion:142 Resp: 1674357
 Ion Ratio Lower Upper
 142 100
 141 86.9 70.4 105.6
 115 33.9 27.8 41.6



#38
 1-Methylnaphthalene
 Concen: 42.45 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:142 Resp: 1571815
 Ion Ratio Lower Upper
 142 100
 141 92.4 73.1 109.7
 116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

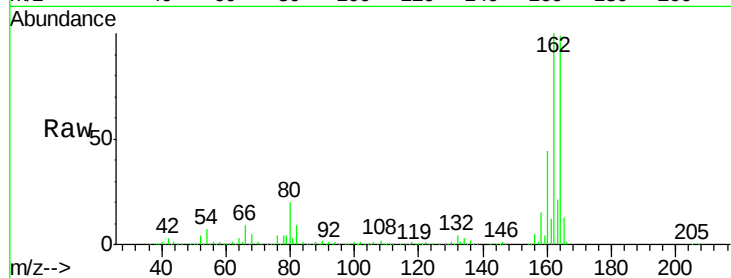
Tgt Ion:164 Resp: 577279

Ion Ratio Lower Upper

164 100

162 100.9 80.7 121.1

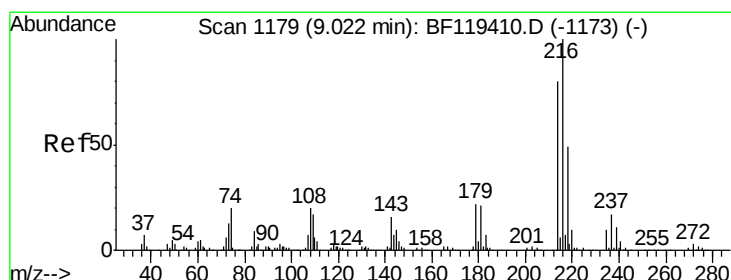
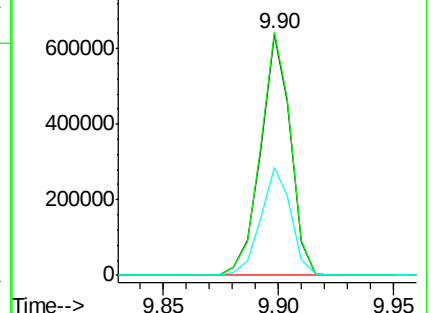
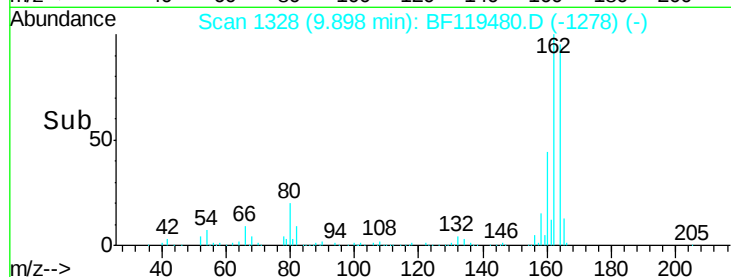
160 44.6 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.30 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Tgt Ion:216 Resp: 732613

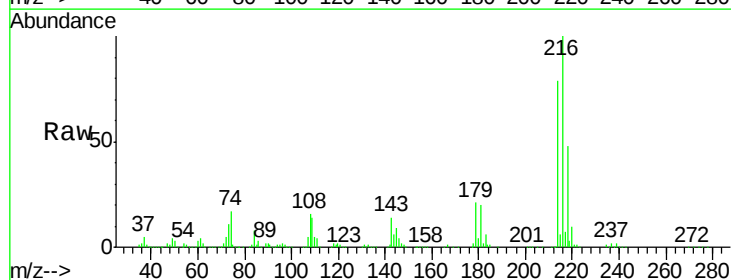
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.6

179 21.3 17.0 25.4

108 19.0 15.4 23.0

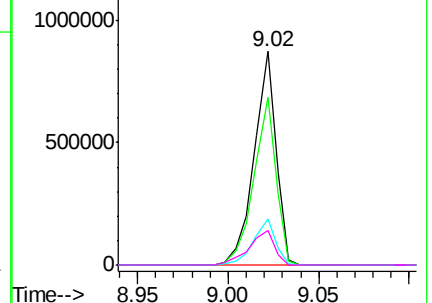
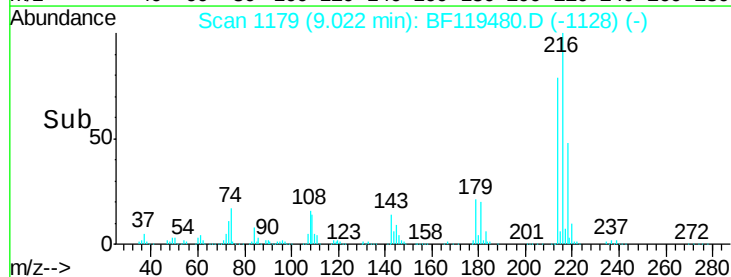


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 48.14 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

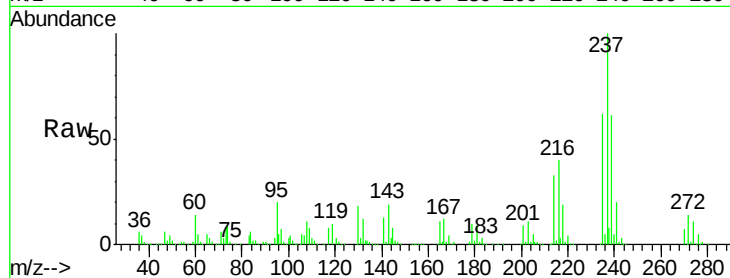
Tgt Ion: 237 Resp: 463076

Ion Ratio Lower Upper

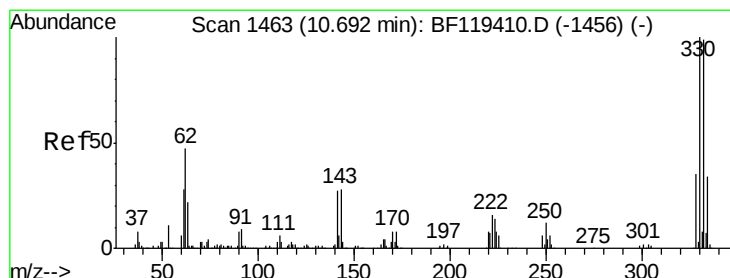
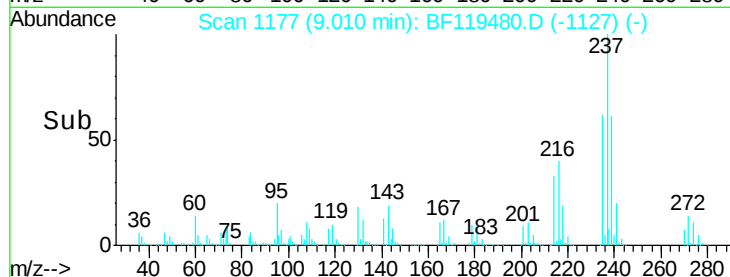
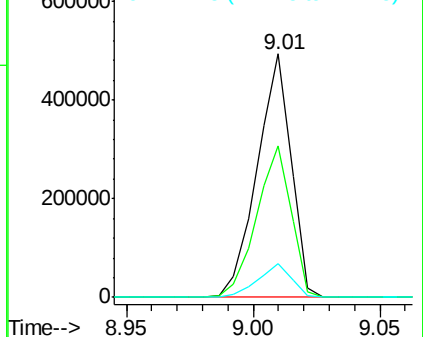
237 100

235 62.0 42.5 82.5

272 14.1 0.0 34.3



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 118.52 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

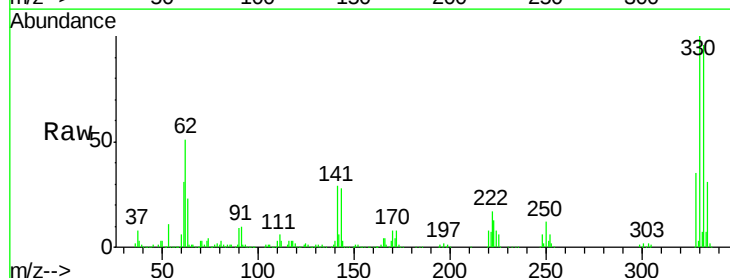
Tgt Ion: 330 Resp: 705880

Ion Ratio Lower Upper

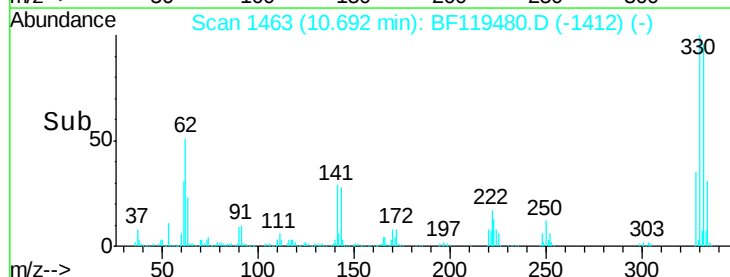
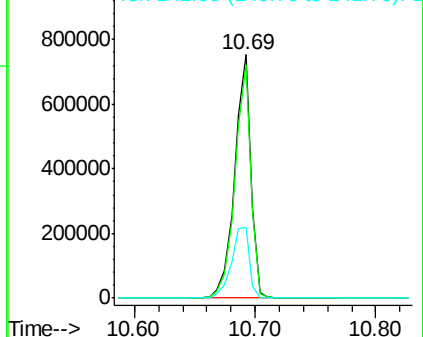
330 100

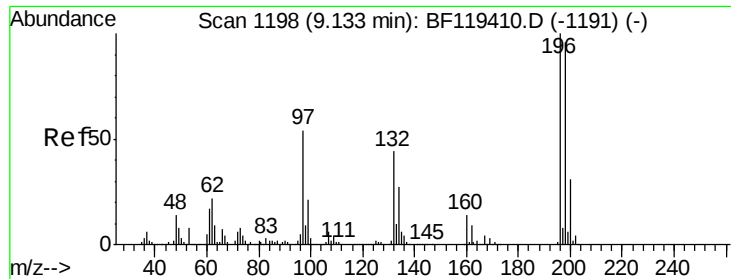
332 94.6 77.6 116.4

141 32.4 26.6 40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

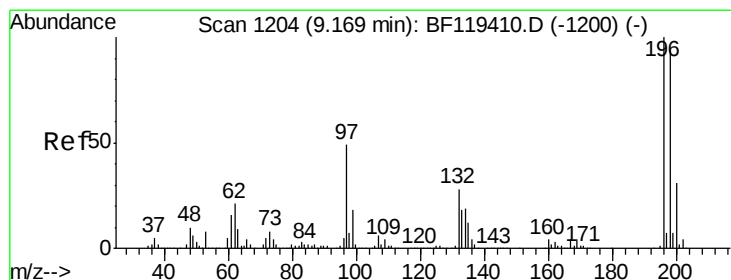
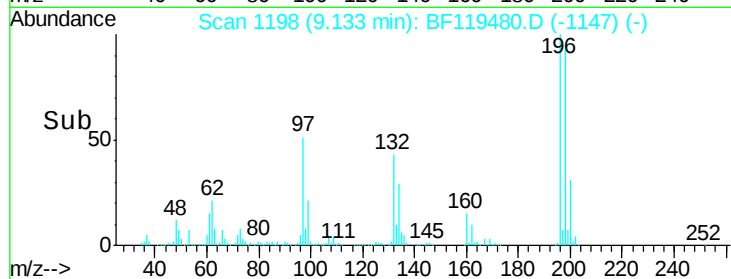
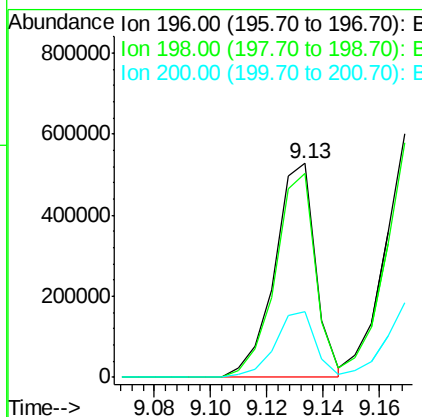
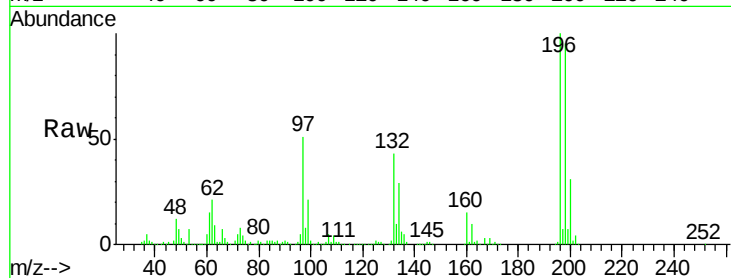




#43
 2,4,6-Trichlorophenol
 Concen: 43.74 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

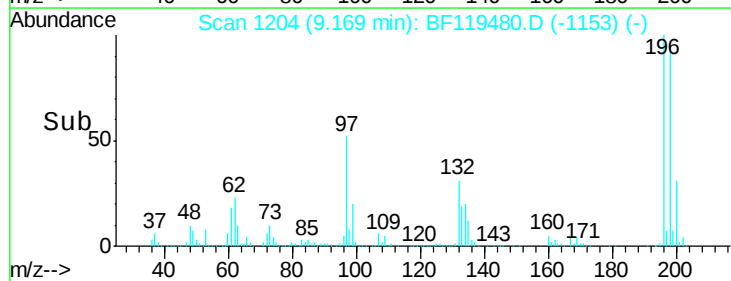
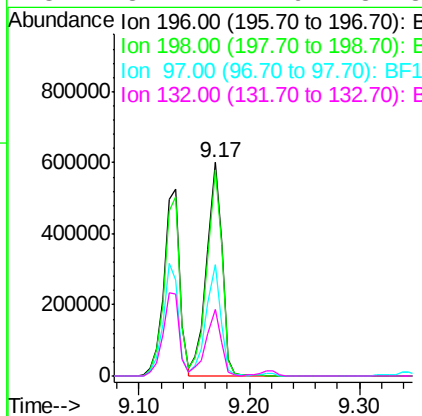
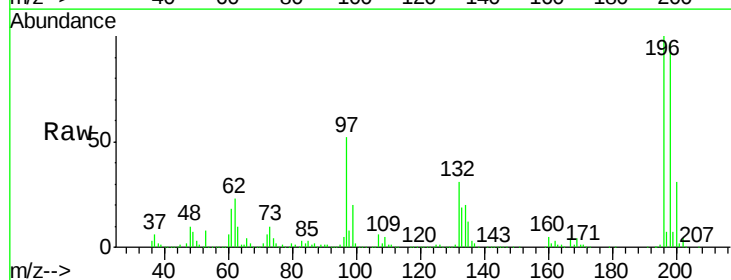
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

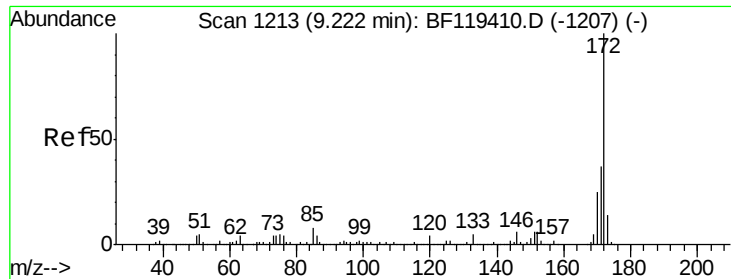
Tgt Ion:	196	Resp:	529598
Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.0	115.4
200	31.0	25.1	37.7



#44
 2,4,5-Trichlorophenol
 Concen: 41.57 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:	196	Resp:	563835
Ion	Ratio	Lower	Upper
196	100		
198	96.6	75.3	112.9
97	51.9	39.0	58.4
132	31.2	22.9	34.3

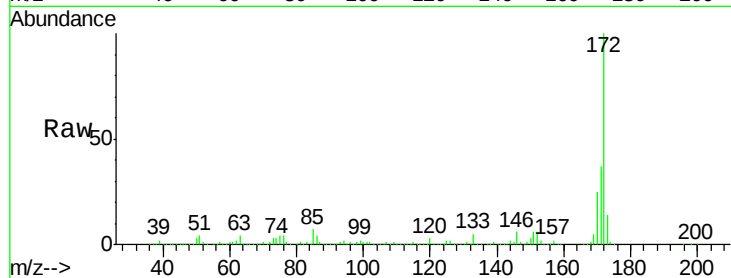




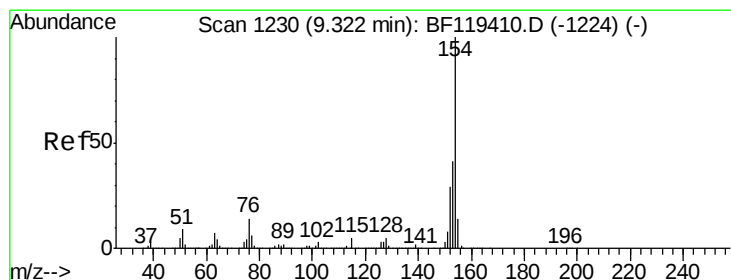
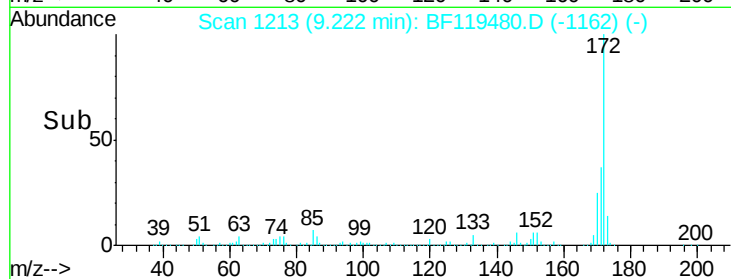
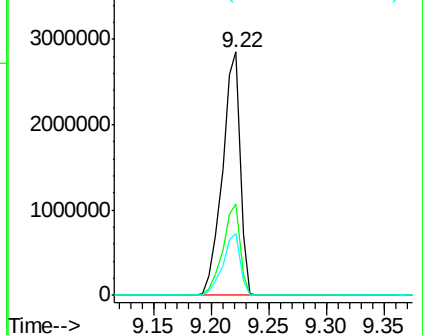
#45
 2-Fluorobiphenyl
 Concen: 77.91 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tgt Ion:172 Resp: 3035700
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.9 44.9
 170 25.2 20.1 30.1

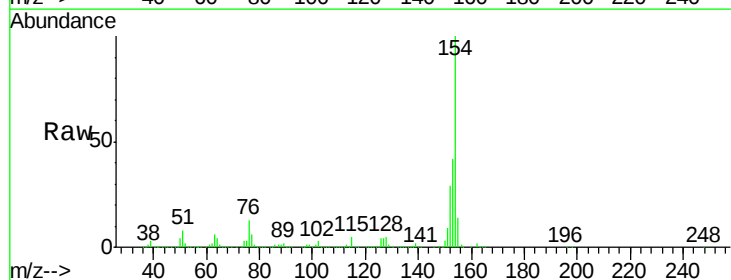


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

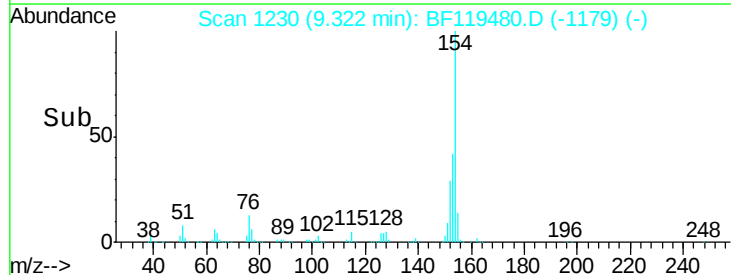
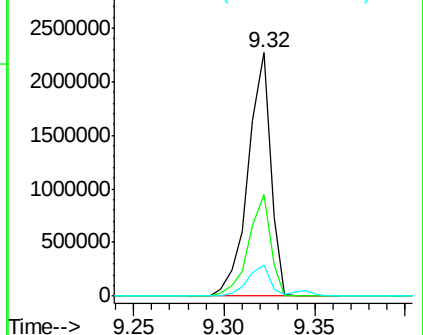


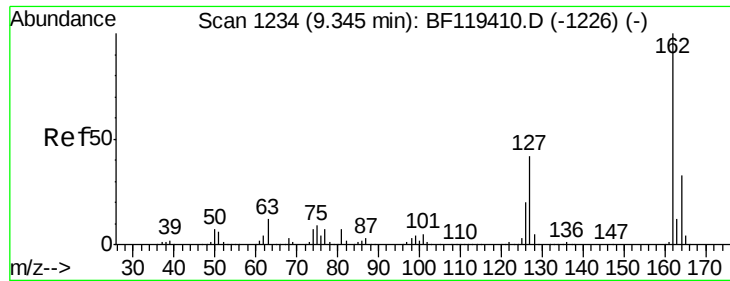
#46
 1,1'-Biphenyl
 Concen: 41.80 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:154 Resp: 1965340
 Ion Ratio Lower Upper
 154 100
 153 41.6 21.4 61.4
 76 12.7 0.0 33.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

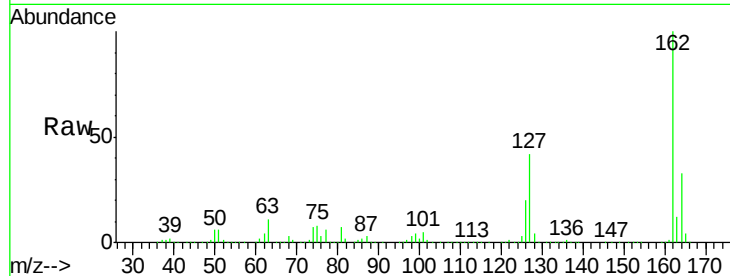




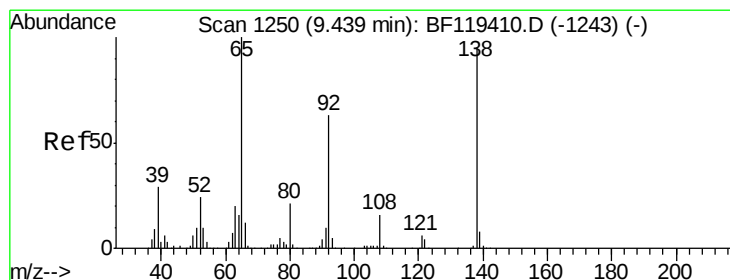
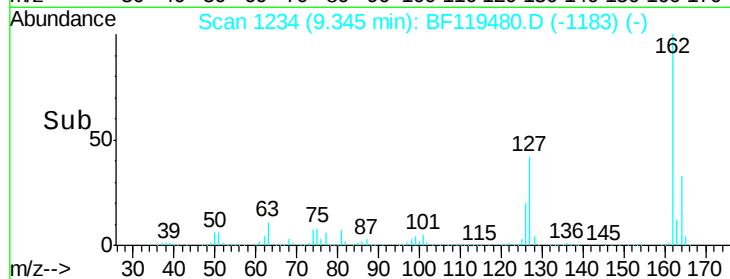
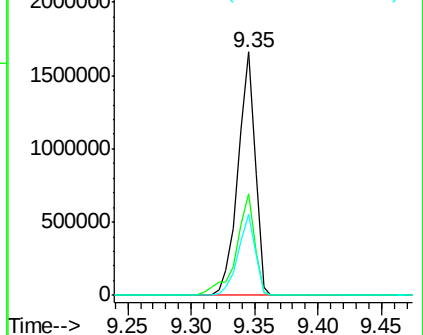
#47
 2-Chloronaphthalene
 Concen: 41.57 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tgt Ion: 162 Resp: 1530886
 Ion Ratio Lower Upper
 162 100
 127 41.9 33.7 50.5
 164 33.2 26.2 39.4

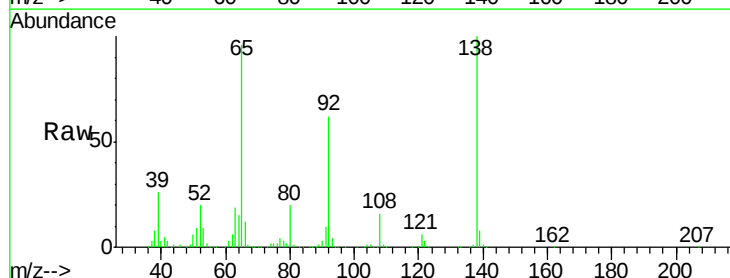


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

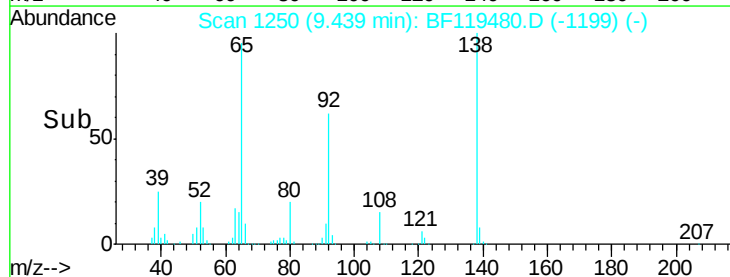
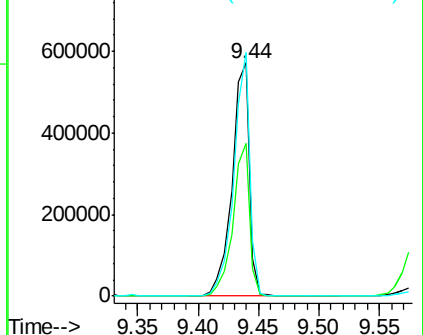


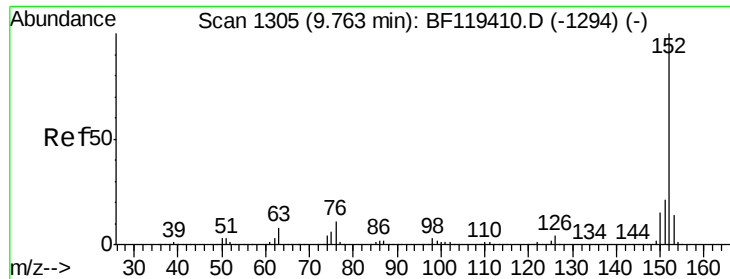
#48
 2-Nitroaniline
 Concen: 45.20 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion: 65 Resp: 574616
 Ion Ratio Lower Upper
 65 100
 92 65.3 50.5 75.7
 138 104.4 75.8 113.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.00 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

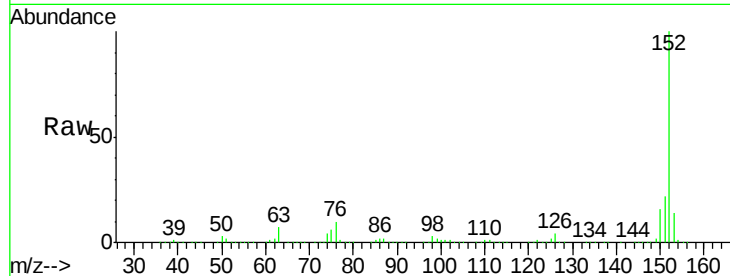
Tgt Ion:152 Resp: 2429309

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

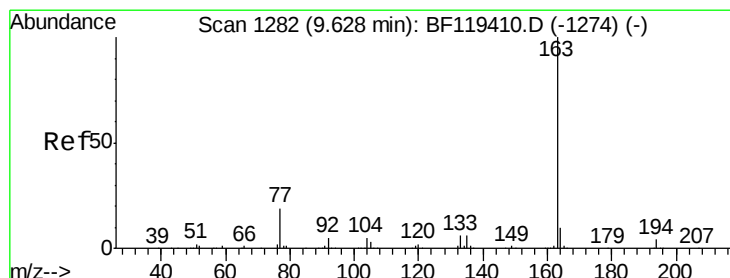
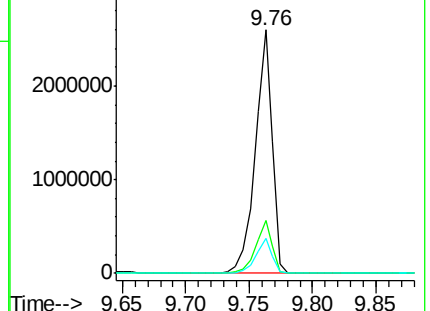
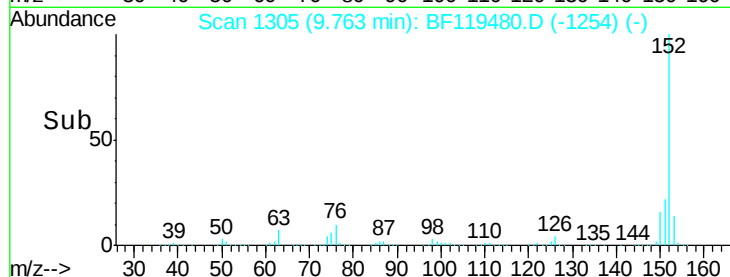
153 14.3 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.97 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

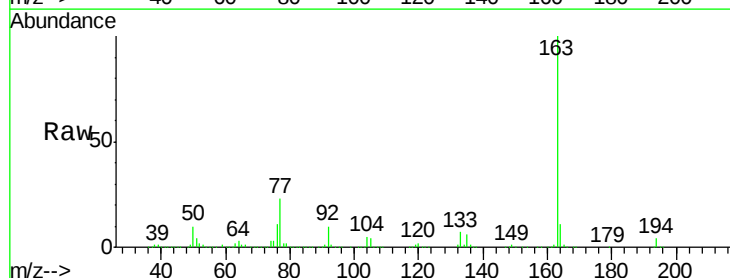
Tgt Ion:163 Resp: 2090011

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

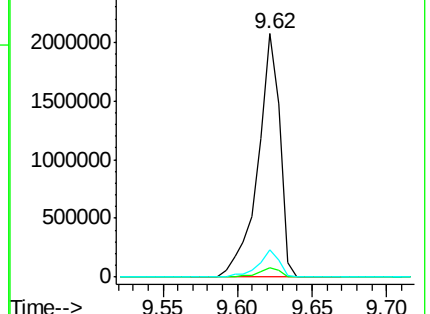
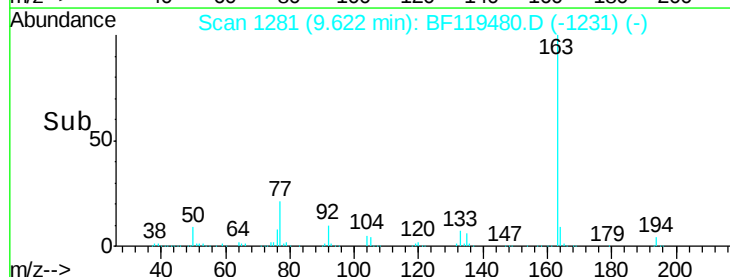
164 11.0 8.1 12.1

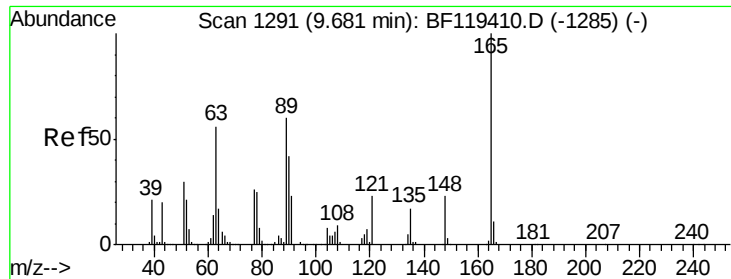


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

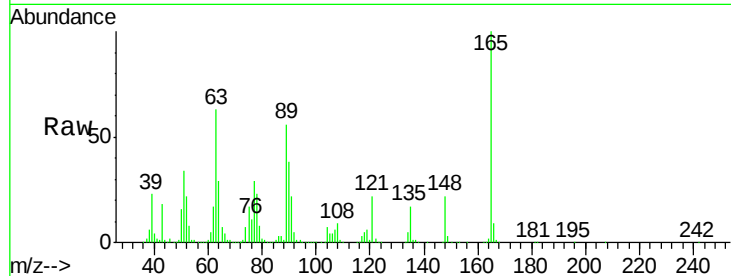




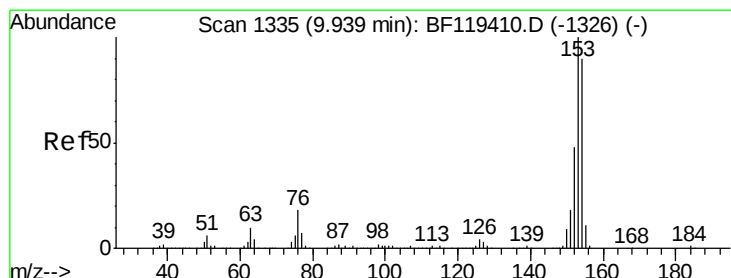
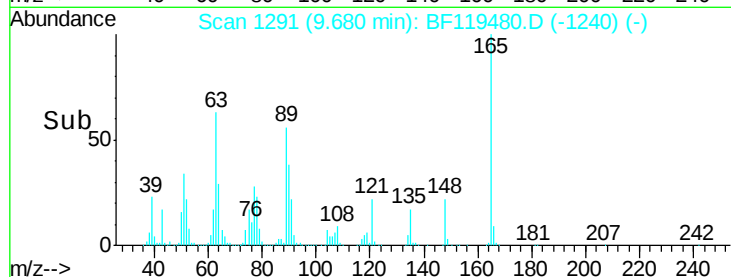
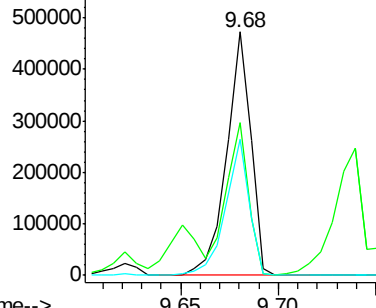
#51
 2,6-Dinitrotoluene
 Concen: 46.32 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tgt Ion:165 Resp: 407081
 Ion Ratio Lower Upper
 165 100
 63 62.7 57.3 85.9
 89 55.9 47.8 71.8

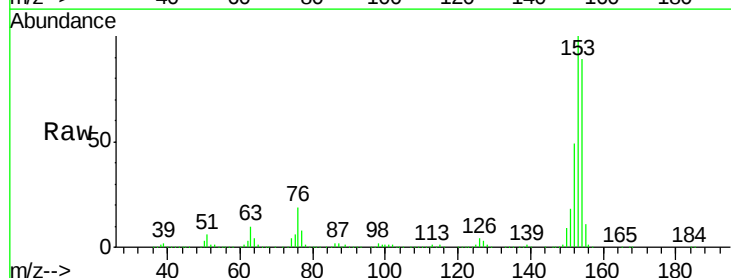


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

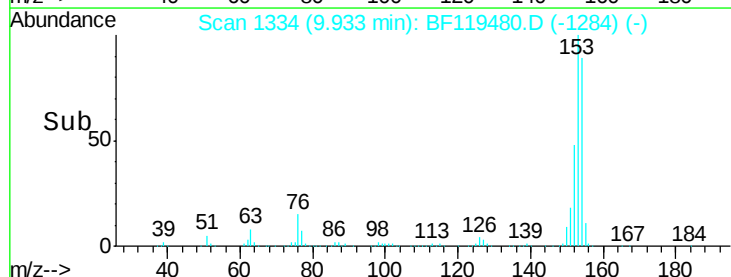
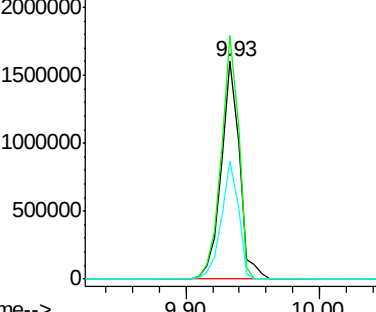


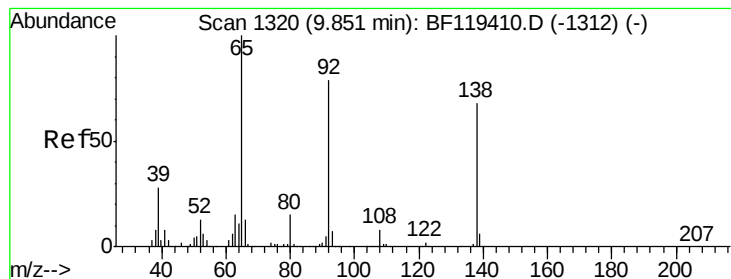
#52
 Acenaphthene
 Concen: 41.39 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:154 Resp: 1492419
 Ion Ratio Lower Upper
 154 100
 153 111.9 89.0 133.6
 152 54.4 43.1 64.7



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 8.78 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

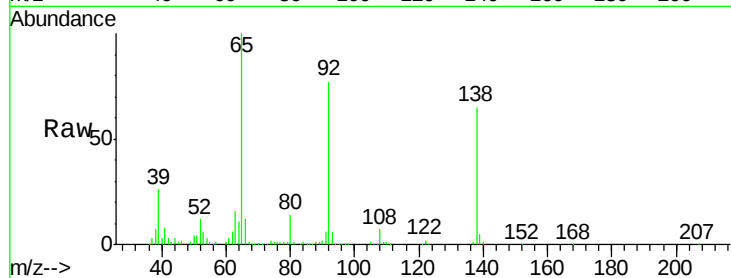
Tgt Ion:138 Resp: 97462

Ion Ratio Lower Upper

138 100

108 10.7 9.0 13.6

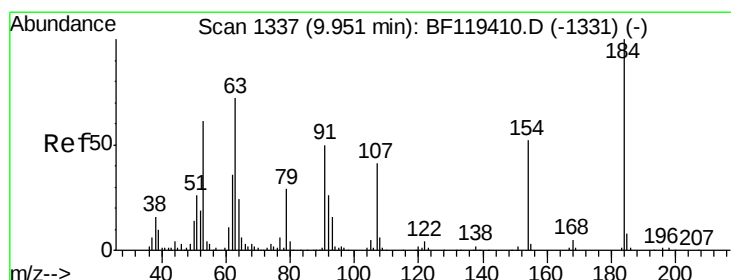
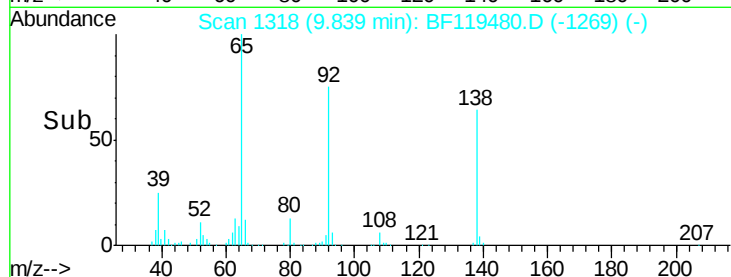
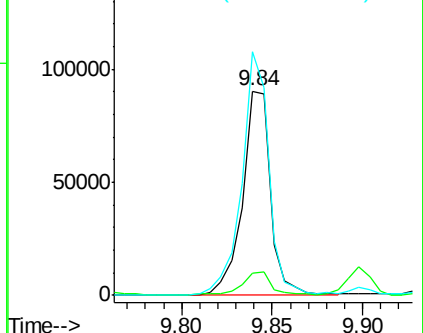
92 119.0 93.2 139.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 43.96 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

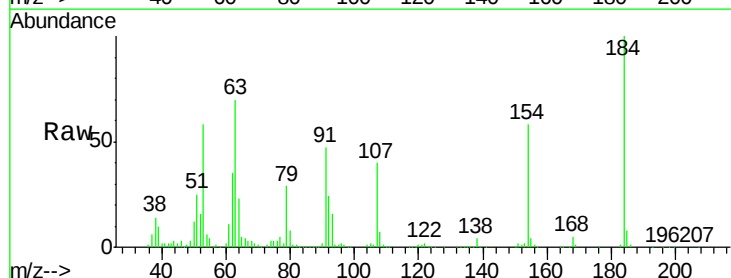
Tgt Ion:184 Resp: 153456

Ion Ratio Lower Upper

184 100

63 70.2 58.5 87.7

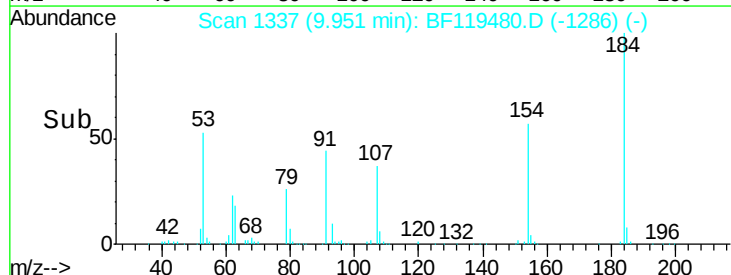
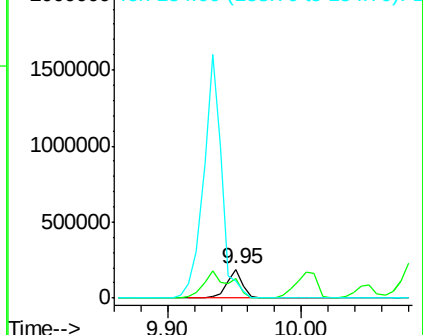
154 57.9 51.8 77.6

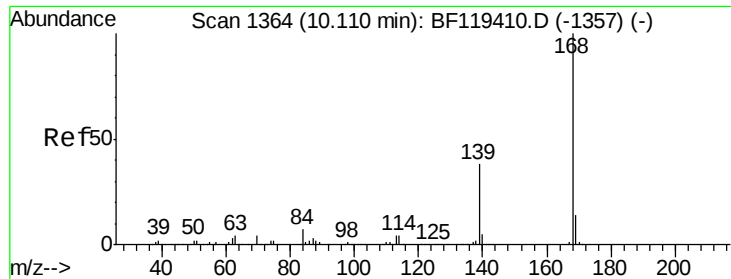


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

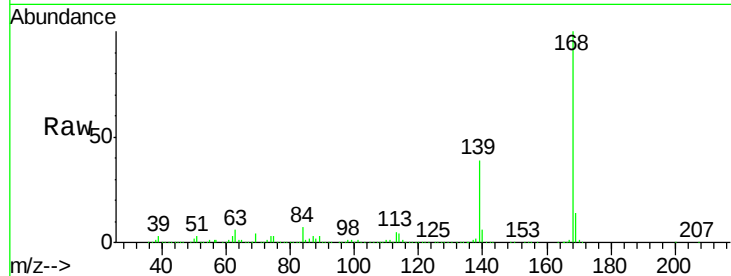




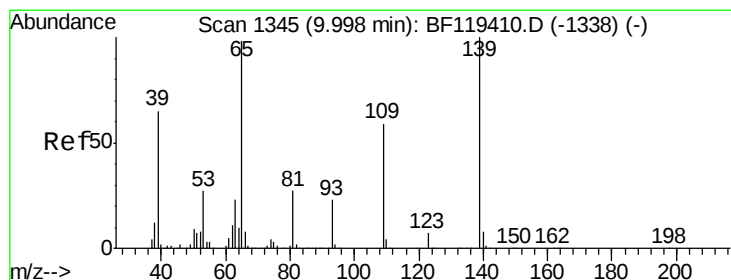
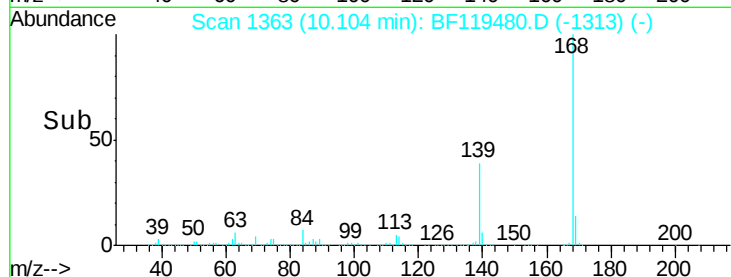
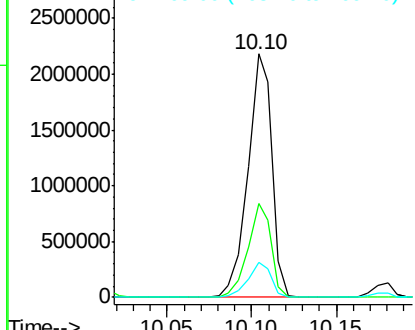
#55
Dibenzofuran
Concen: 41.91 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tgt Ion:168 Resp: 2166222
Ion Ratio Lower Upper
168 100
139 38.7 30.2 45.4
169 14.4 11.1 16.7

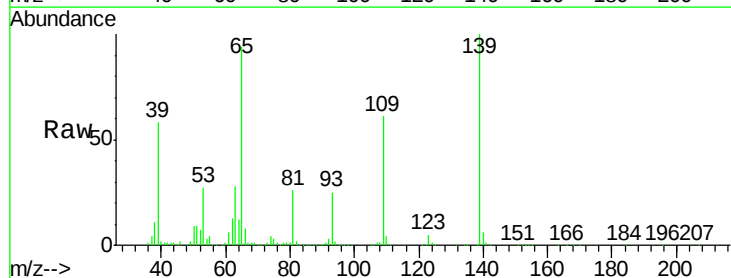


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

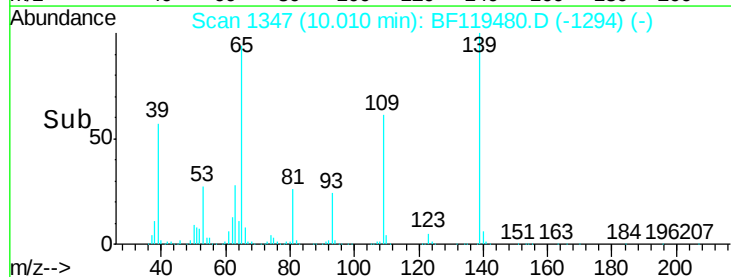
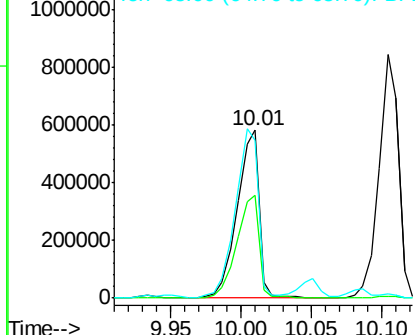


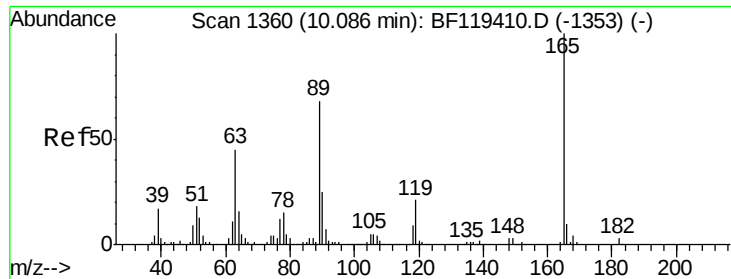
#56
4-Nitrophenol
Concen: 72.68 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Tgt Ion:139 Resp: 636224
Ion Ratio Lower Upper
139 100
109 61.4 39.6 79.6
65 94.2 78.3 118.3



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

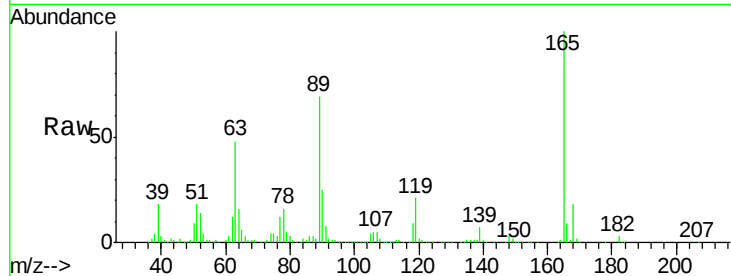




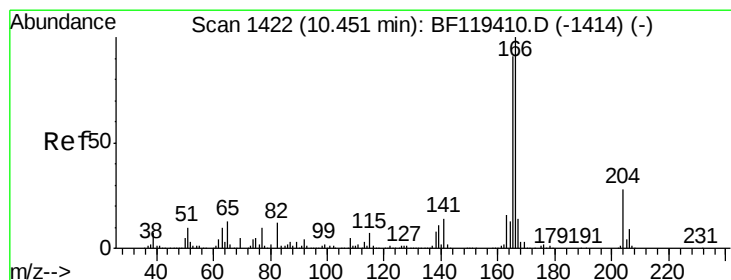
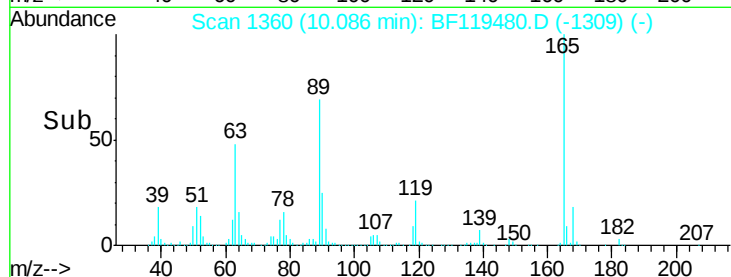
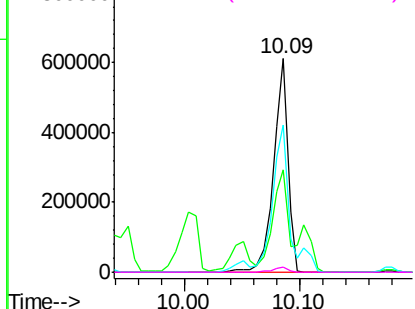
#57
 2,4-Dinitrotoluene
 Concen: 48.16 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

Tgt Ion:	165	Resp:	533272
Ion	Ratio	Lower	Upper
165	100		
63	47.9	36.2	54.4
89	68.9	54.3	81.5
182	2.6	2.0	3.0

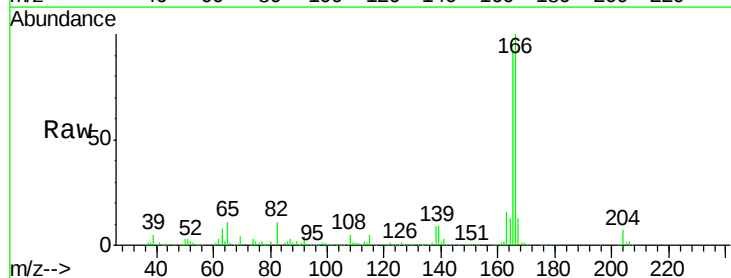


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

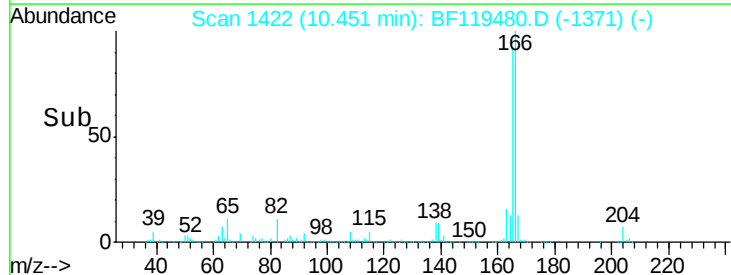
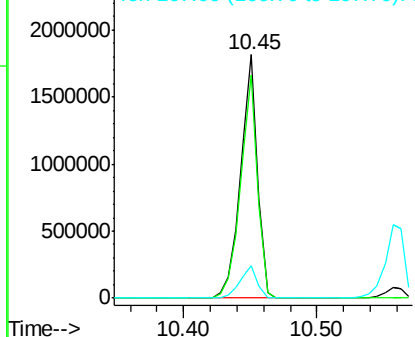


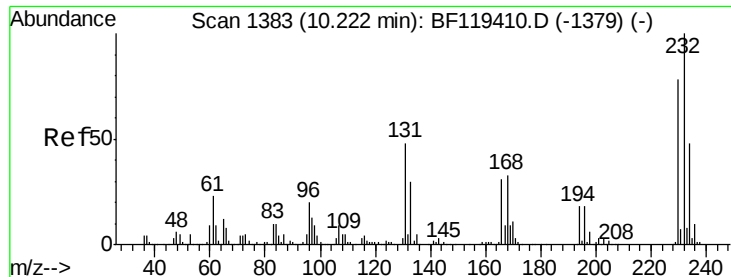
#58
 Fluorene
 Concen: 41.60 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:	166	Resp:	1590045
Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.1	109.7
167	13.5	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

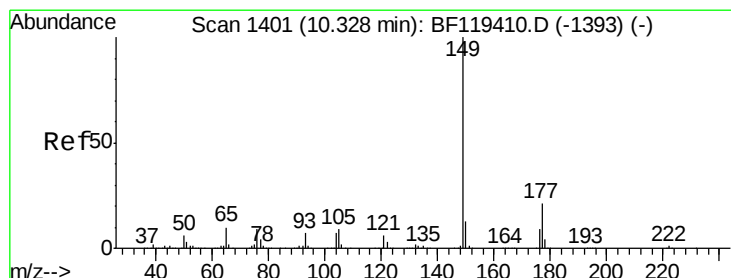
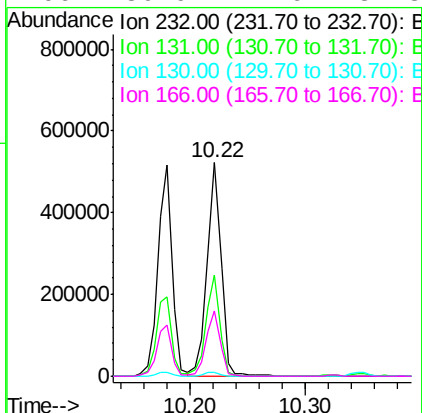
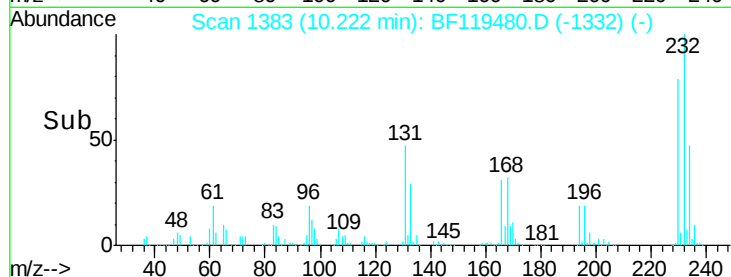
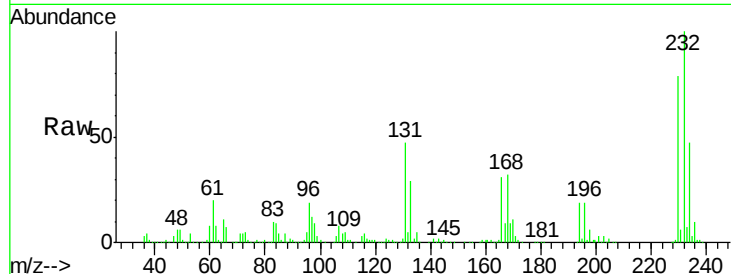




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.86 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

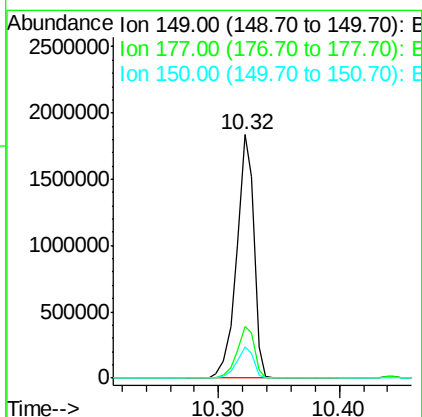
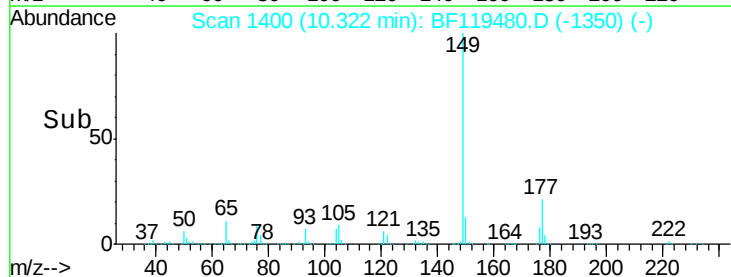
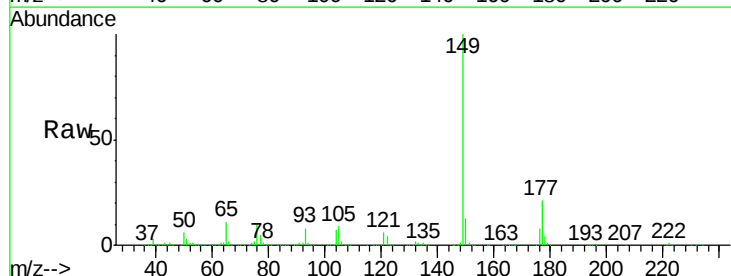
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

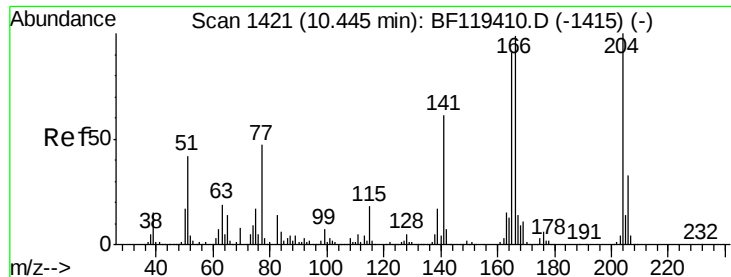
Tgt Ion: 232 Resp: 444707
 Ion Ratio Lower Upper
 232 100
 131 46.4 36.3 54.5
 130 2.1 1.8 2.6
 166 30.9 24.9 37.3



#60
 Diethylphthalate
 Concen: 43.81 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion: 149 Resp: 1823181
 Ion Ratio Lower Upper
 149 100
 177 21.0 17.0 25.6
 150 12.9 10.2 15.4

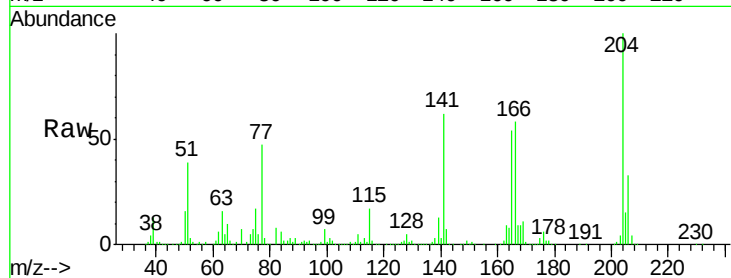




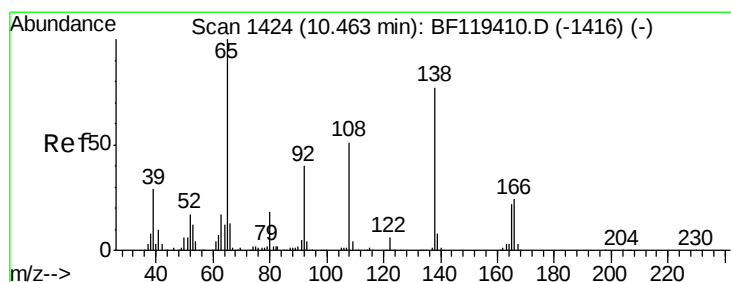
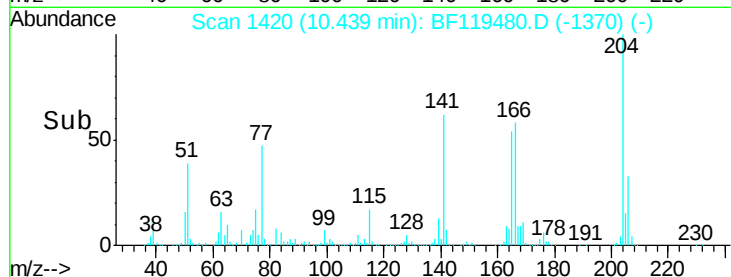
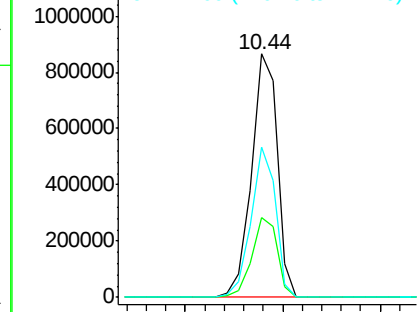
#61
4-Chlorophenyl-phenylether
Concen: 42.28 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

Tgt Ion: 204 Resp: 790427
Ion Ratio Lower Upper
204 100
206 32.8 26.7 40.1
141 61.7 48.8 73.2

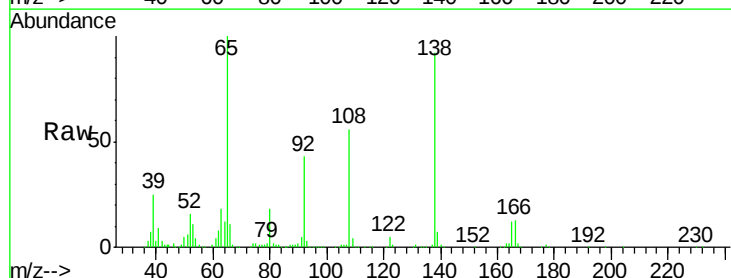


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

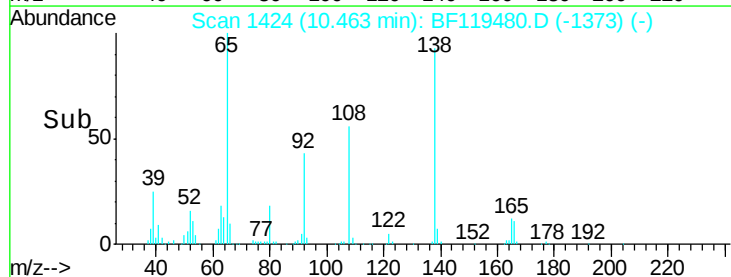
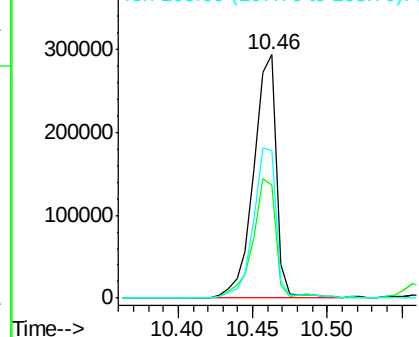


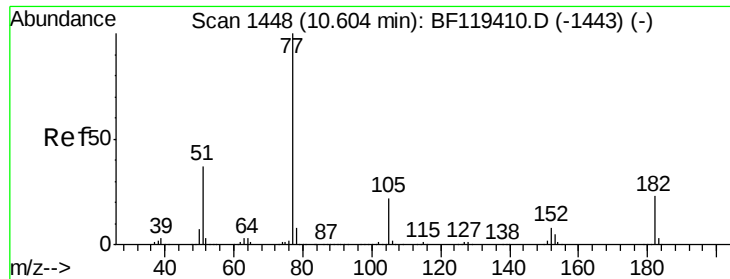
#62
4-Nitroaniline
Concen: 29.22 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Tgt Ion: 138 Resp: 310963
Ion Ratio Lower Upper
138 100
92 46.6 32.0 72.0
108 60.7 46.0 86.0



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 40.89 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

Tgt Ion: 77 Resp: 1713662

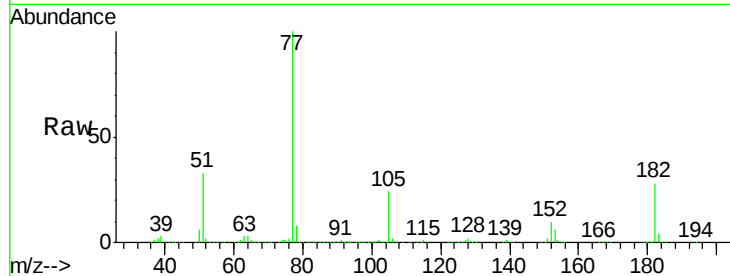
Ion Ratio Lower Upper

77 100

182 27.7 2.5 42.5

105 23.9 2.5 42.5

51 33.2 17.1 57.1

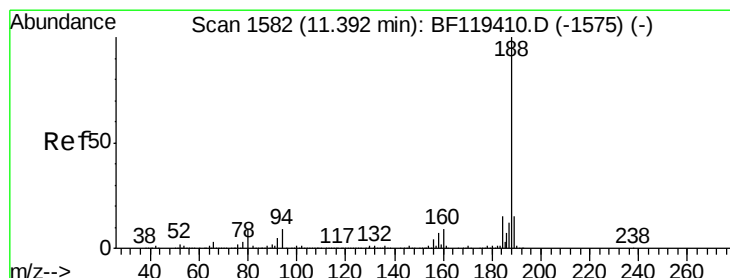
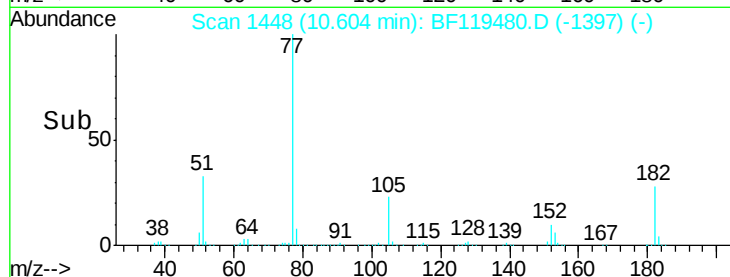
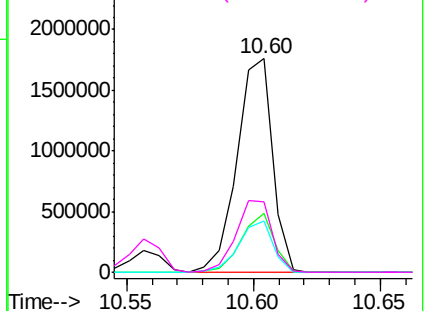


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

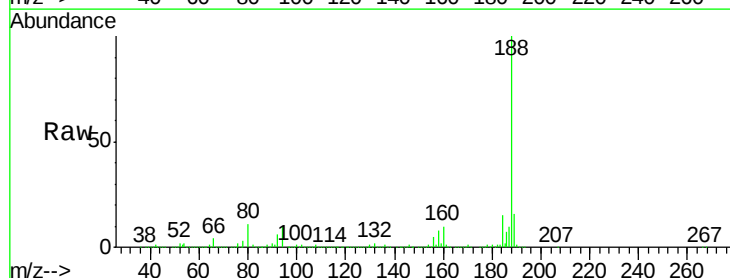
Tgt Ion: 188 Resp: 963552

Ion Ratio Lower Upper

188 100

94 10.0 7.1 10.7

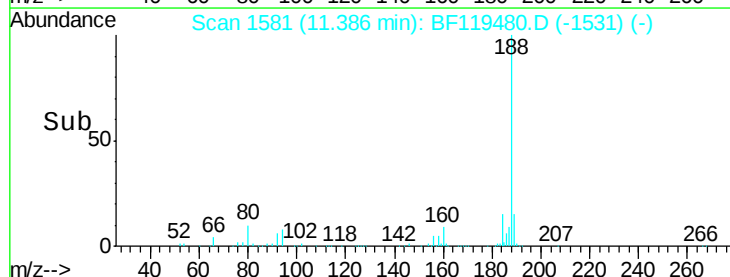
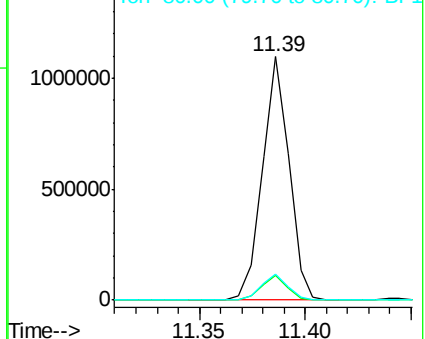
80 10.6 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 29.18 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

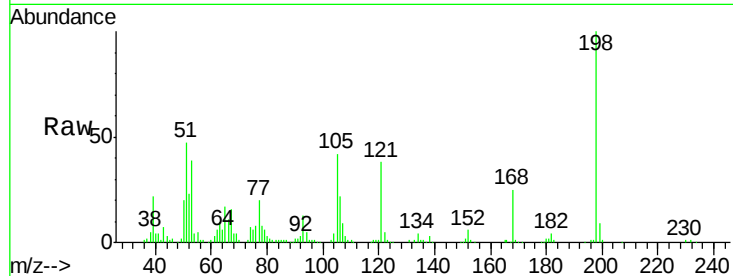
Tgt Ion:198 Resp: 117896

Ion Ratio Lower Upper

198 100

51 47.5 33.1 73.1

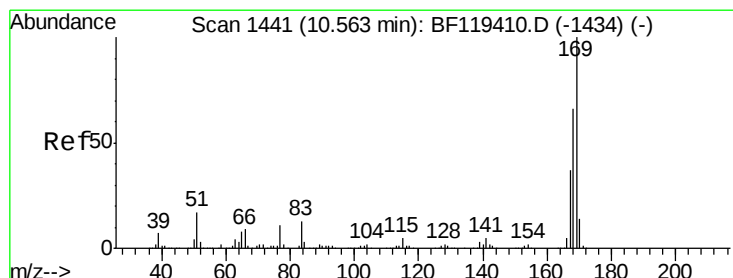
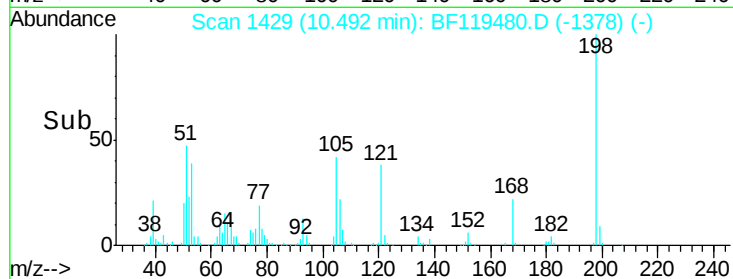
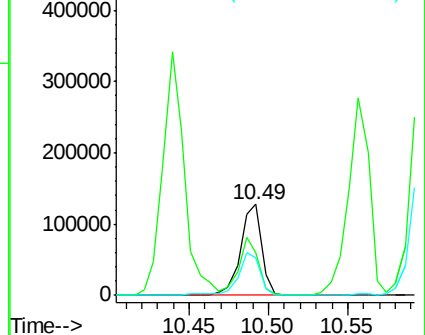
105 41.9 24.1 64.1



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.16 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

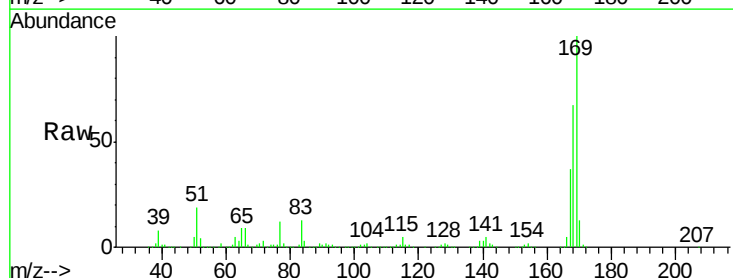
Tgt Ion:169 Resp: 1491826

Ion Ratio Lower Upper

169 100

168 66.9 52.7 79.1

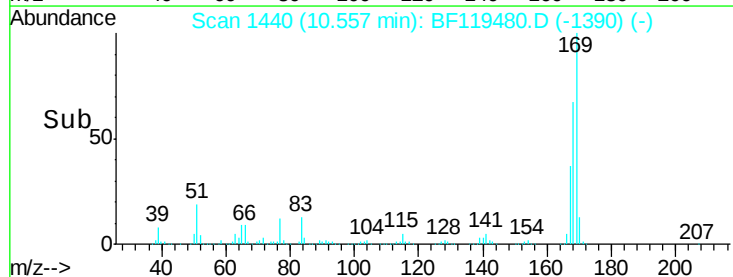
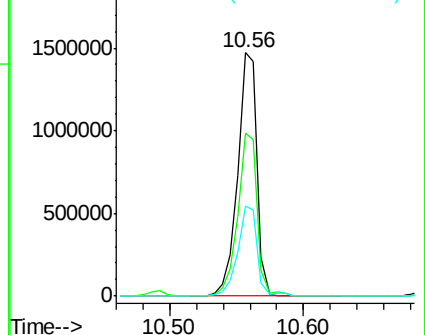
167 37.1 29.3 43.9

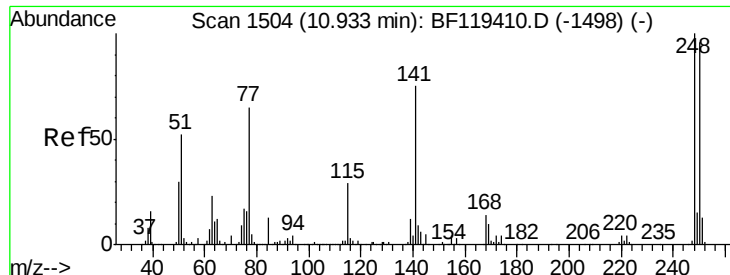


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

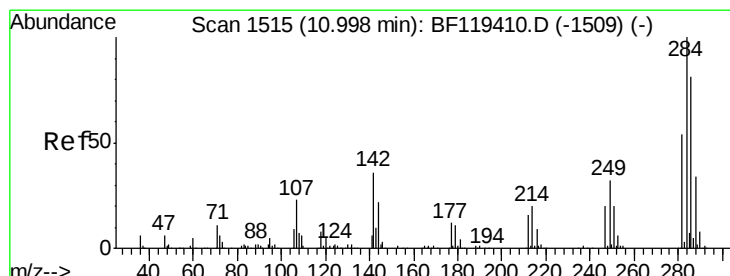
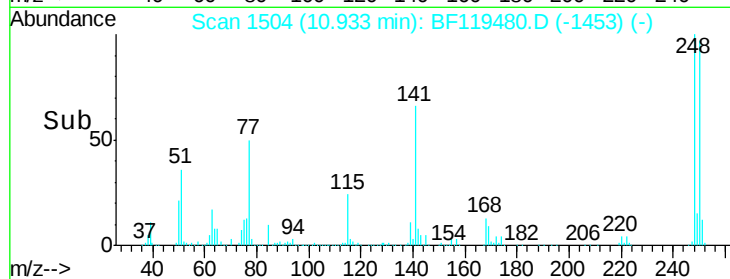
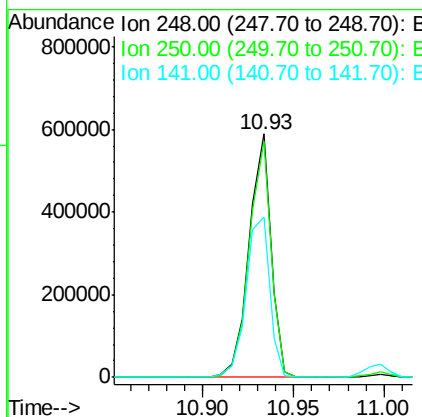
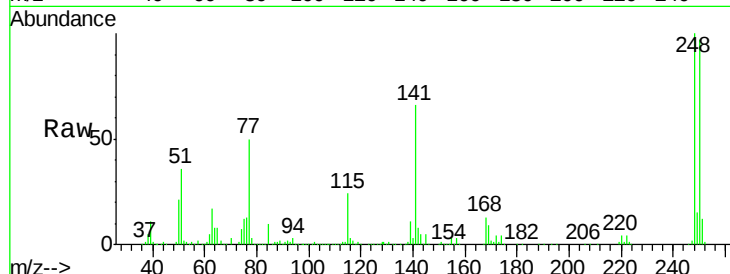




#67
 4-Bromophenyl-phenylether
 Concen: 45.42 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

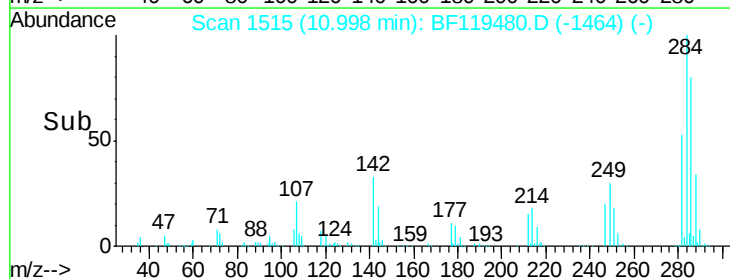
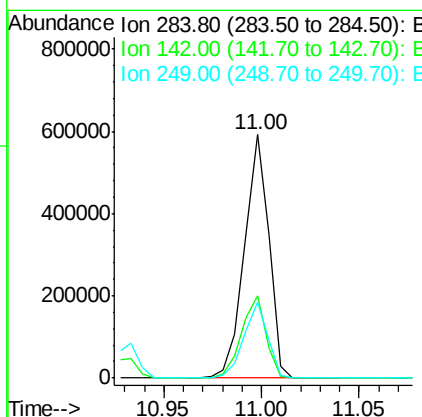
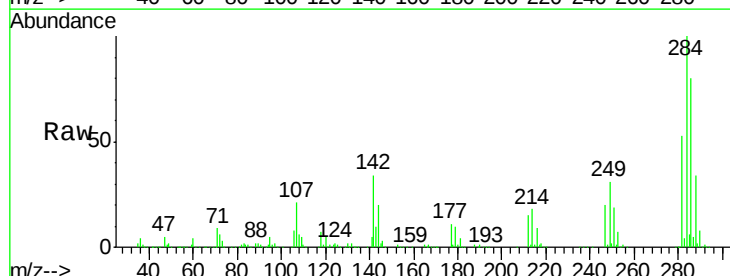
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

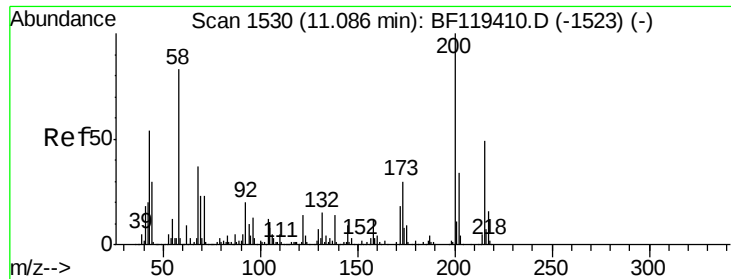
Tgt Ion:248 Resp: 498391
 Ion Ratio Lower Upper
 248 100
 250 96.9 77.0 115.6
 141 65.8 59.7 89.5



#68
 Hexachlorobenzene
 Concen: 45.75 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:284 Resp: 513849
 Ion Ratio Lower Upper
 284 100
 142 33.8 28.7 43.1
 249 31.2 25.4 38.0





#69

Atrazine

Concen: 49.98 ng

RT: 11.09 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

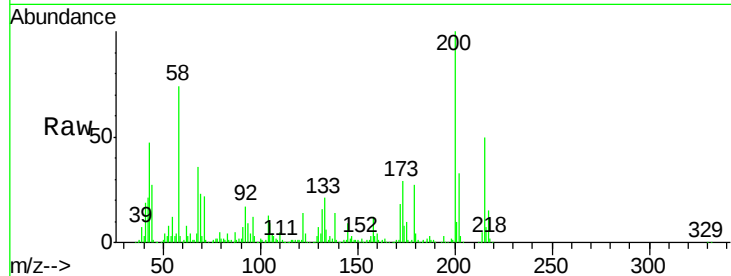
Tgt Ion:200 Resp: 433424

Ion Ratio Lower Upper

200 100

173 29.2 9.9 49.9

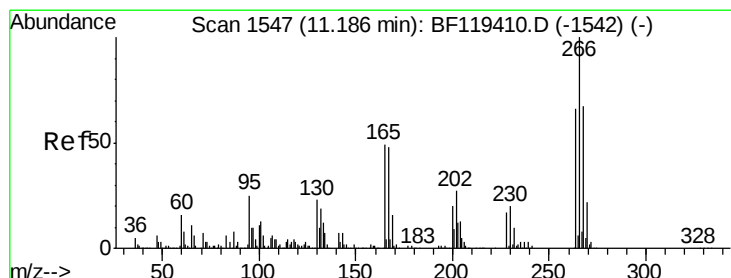
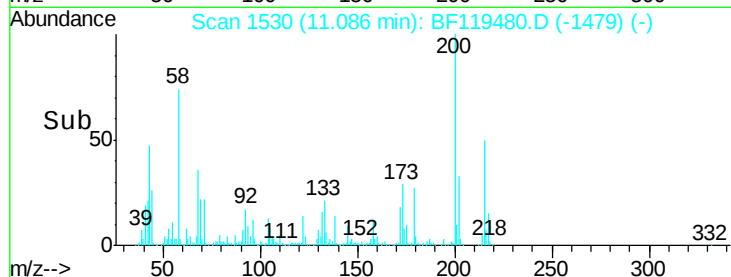
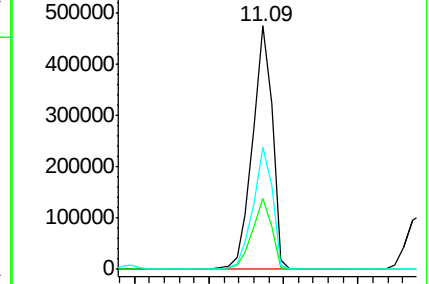
215 49.9 29.4 69.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 84.74 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

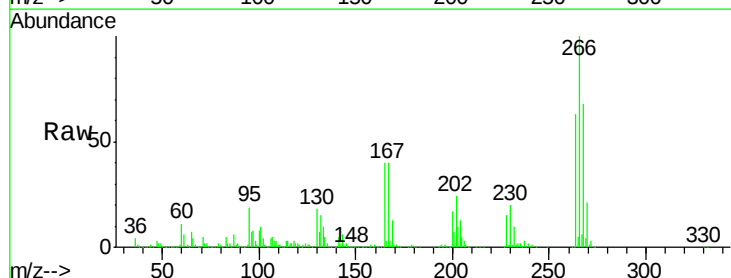
Tgt Ion:266 Resp: 558025

Ion Ratio Lower Upper

266 100

268 67.6 53.7 80.5

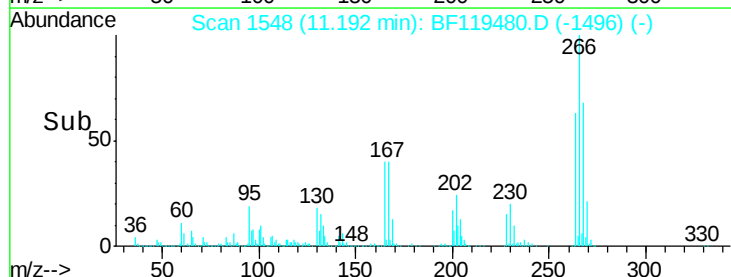
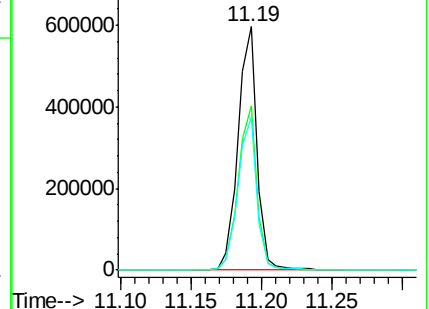
264 62.5 52.5 78.7

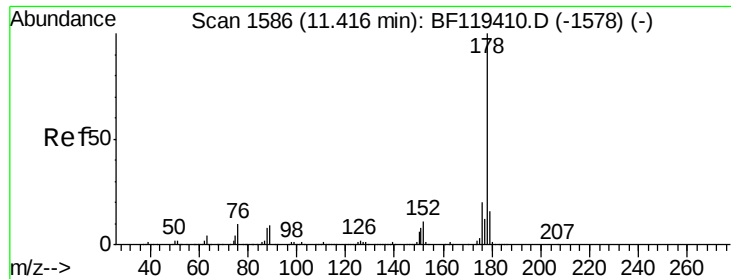


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 43.25 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

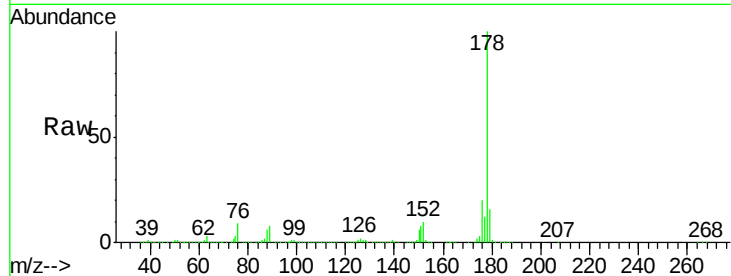
Tgt Ion:178 Resp: 2160855

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

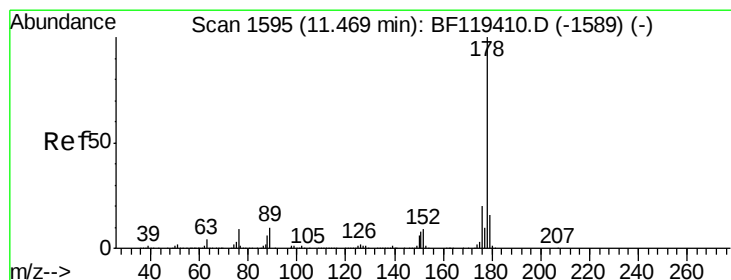
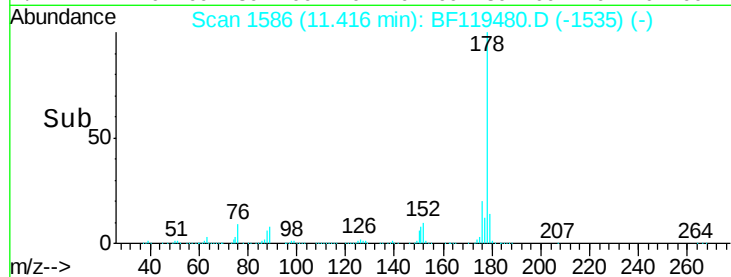
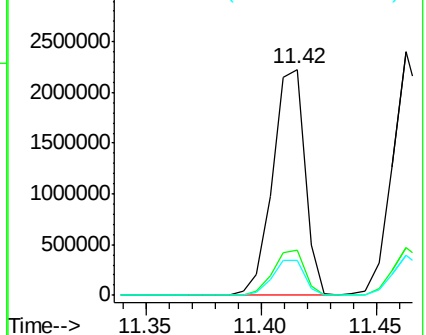
179 15.7 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.52 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

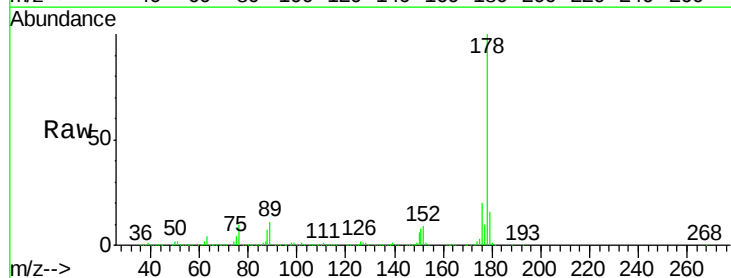
Tgt Ion:178 Resp: 2209820

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

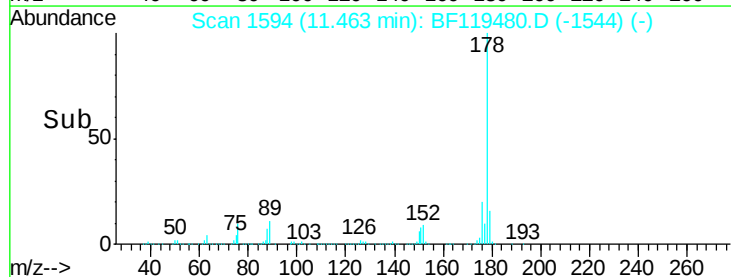
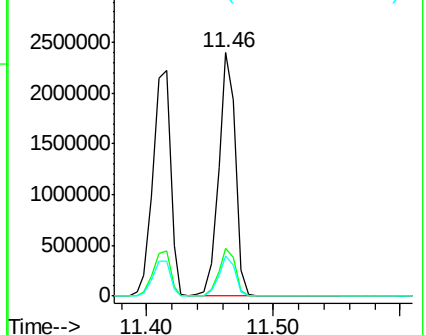
179 16.3 13.1 19.7

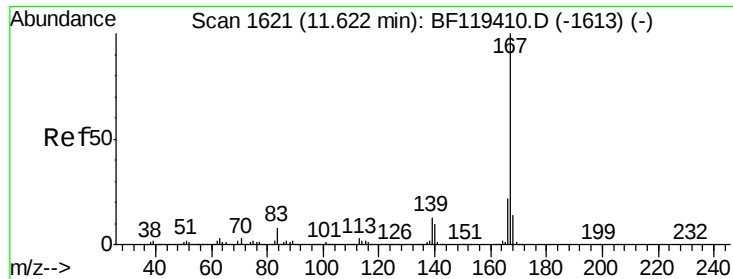


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

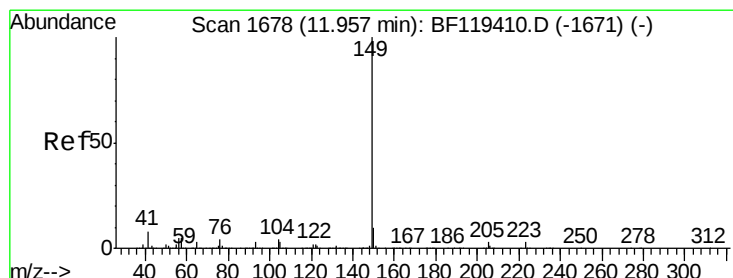
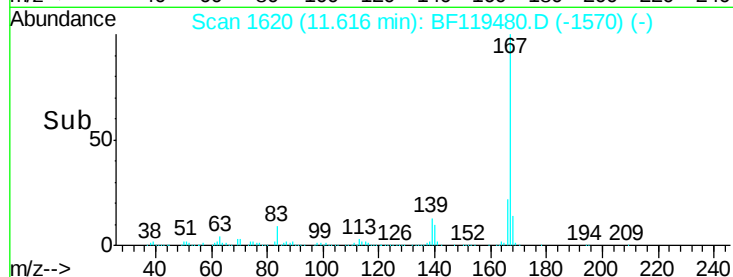
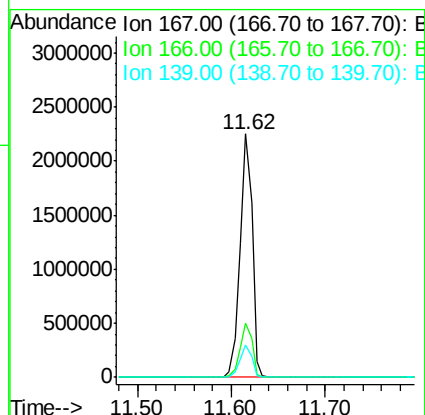
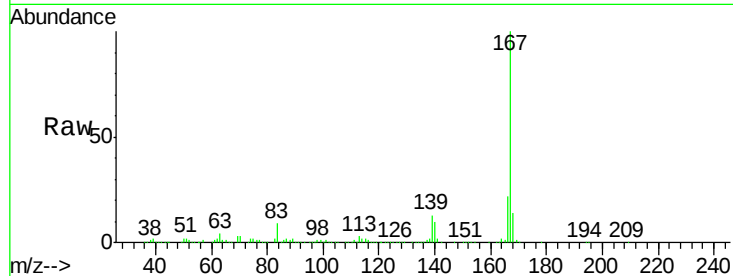




#73
 Carbazole
 Concen: 40.17 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

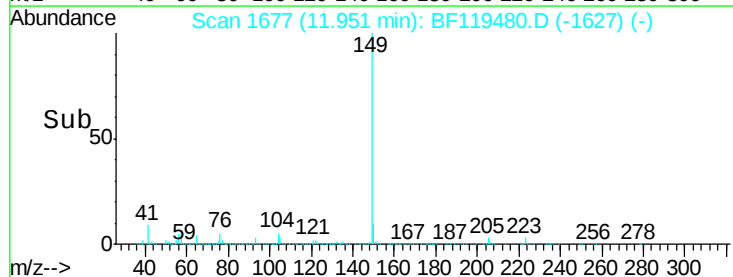
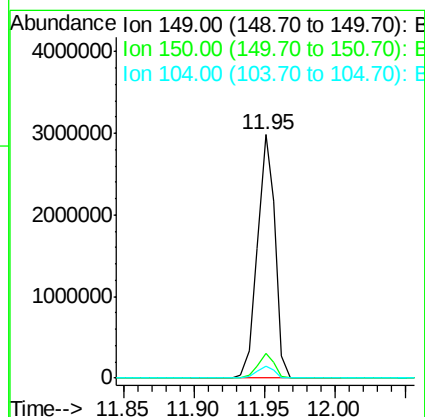
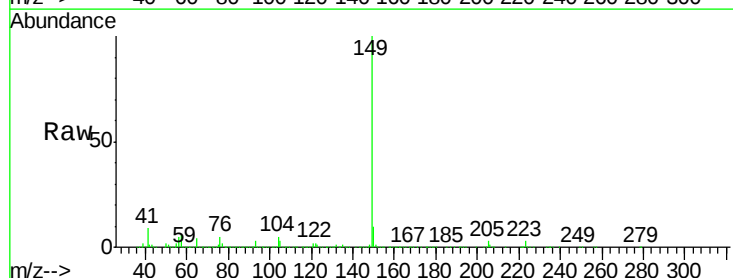
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

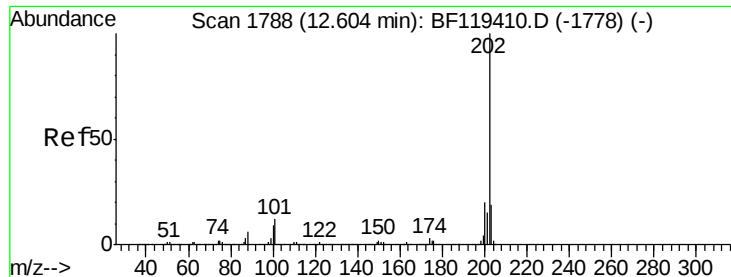
Tgt Ion:167 Resp: 2018796
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.8 26.6
 139 13.3 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 48.67 ng
 RT: 11.95 min Scan# 1677
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:149 Resp: 2616801
 Ion Ratio Lower Upper
 149 100
 150 10.1 7.6 11.4
 104 4.9 3.5 5.3





#75

Fluoranthene

Concen: 37.48 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

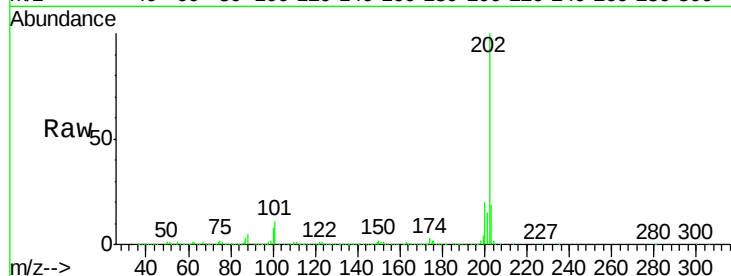
Tgt Ion:202 Resp: 2026613

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.4

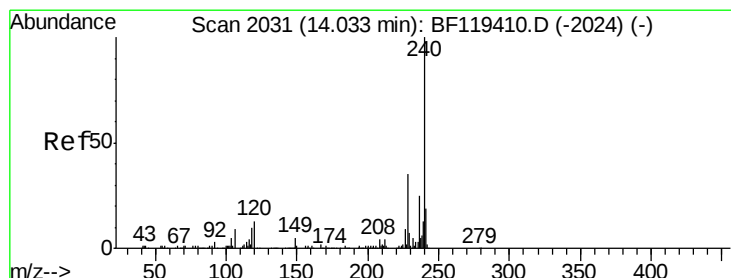
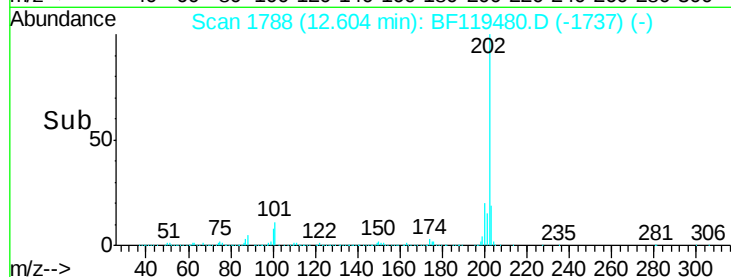
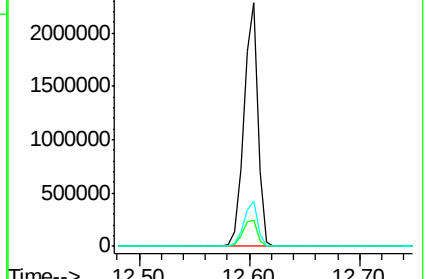
203 18.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

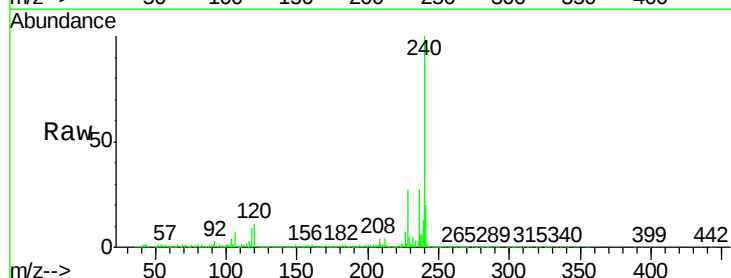
Tgt Ion:240 Resp: 591953

Ion Ratio Lower Upper

240 100

120 10.6 10.2 15.4

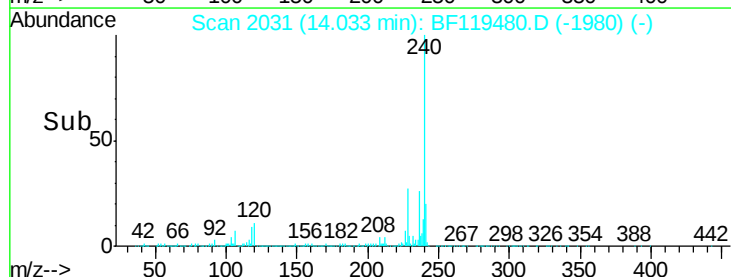
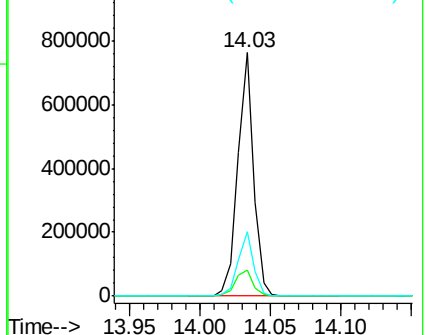
236 26.5 20.4 30.6

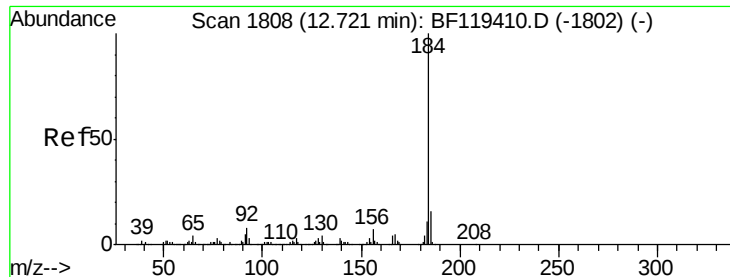


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 35.00 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

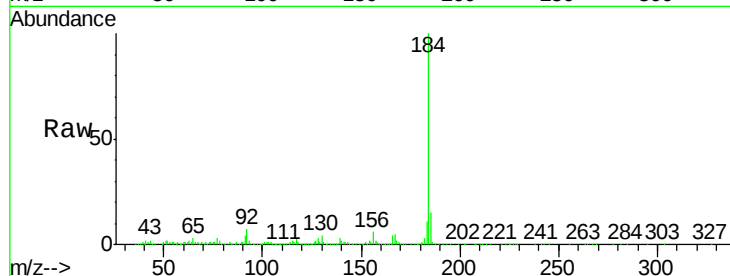
Tgt Ion:184 Resp: 876847

Ion Ratio Lower Upper

184 100

185 14.8 12.9 19.3

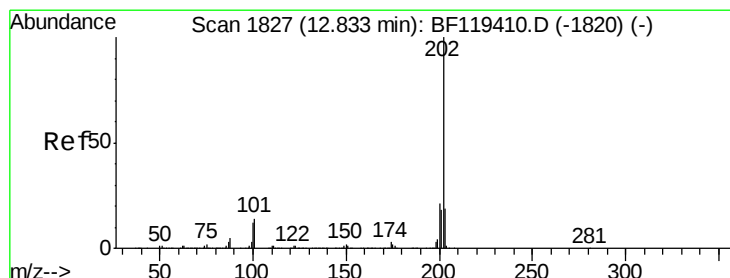
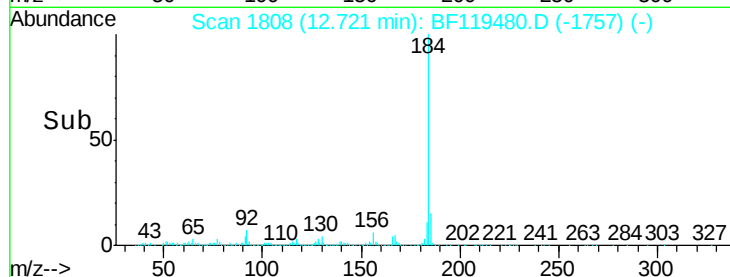
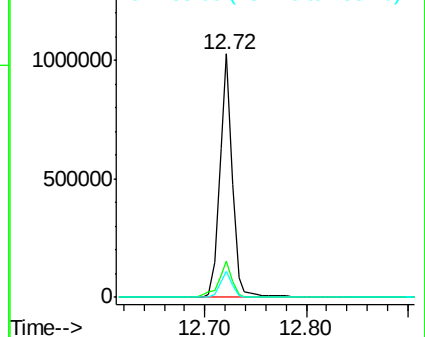
183 10.7 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 41.53 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

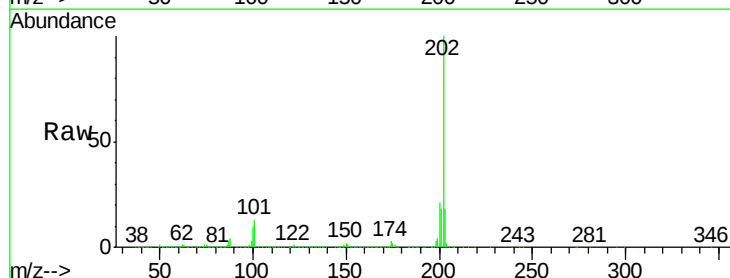
Tgt Ion:202 Resp: 2017428

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

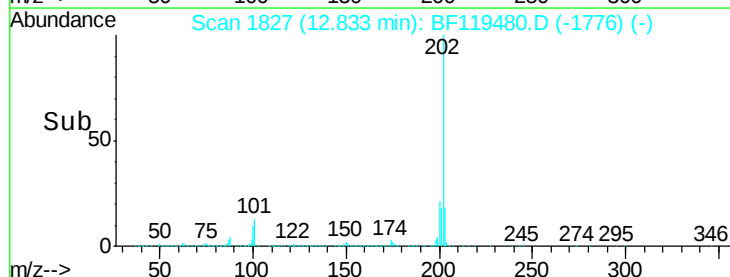
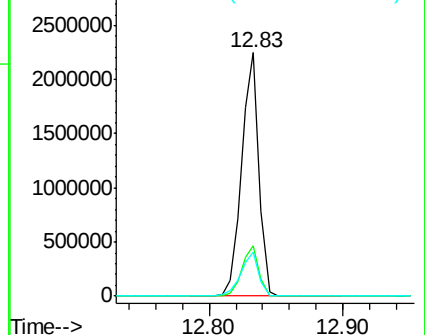
203 17.9 14.8 22.2

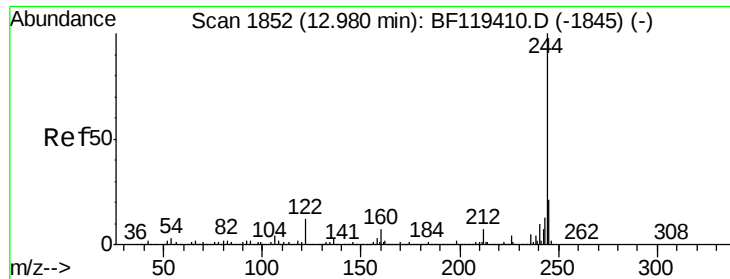


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

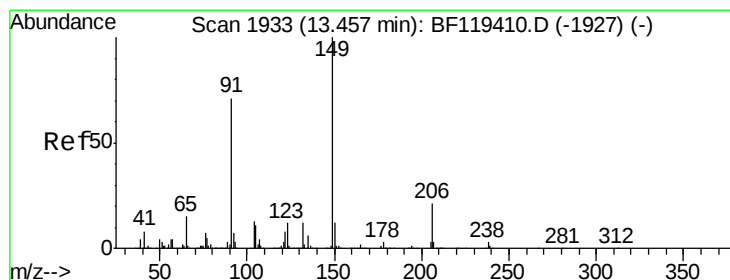
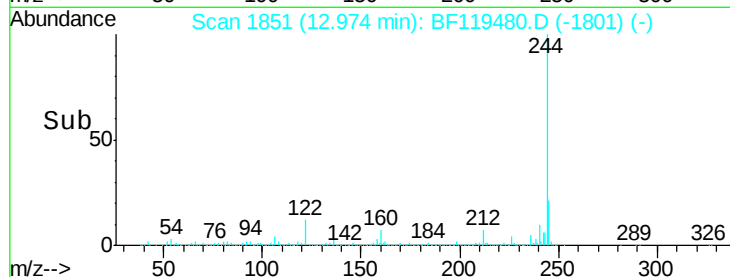
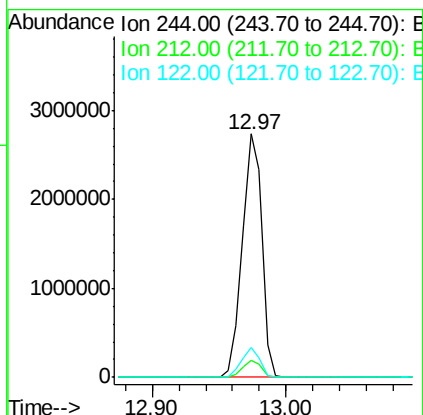
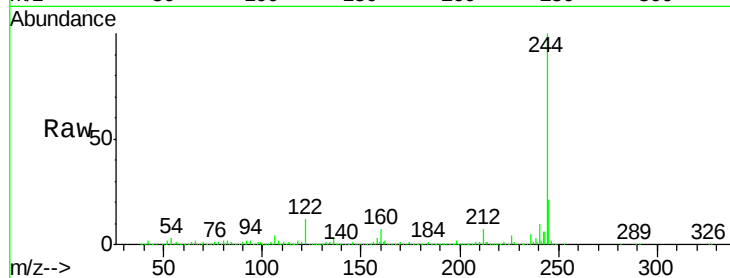




#79
 Terphenyl-d14
 Concen: 91.46 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

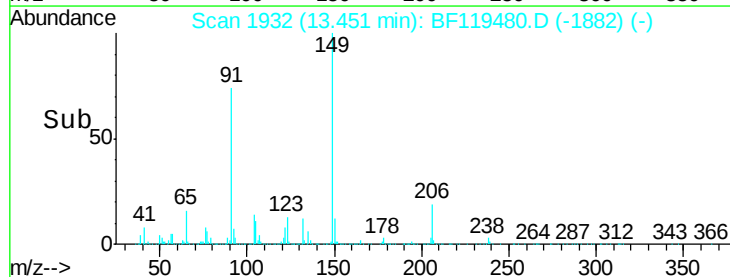
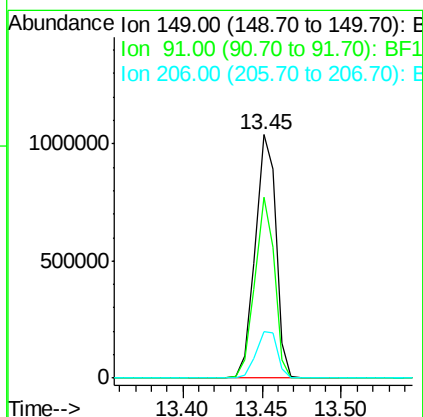
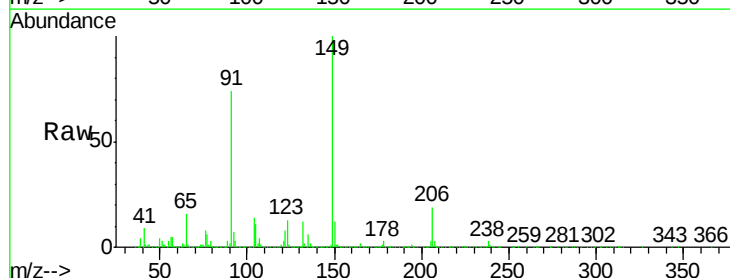
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MSD

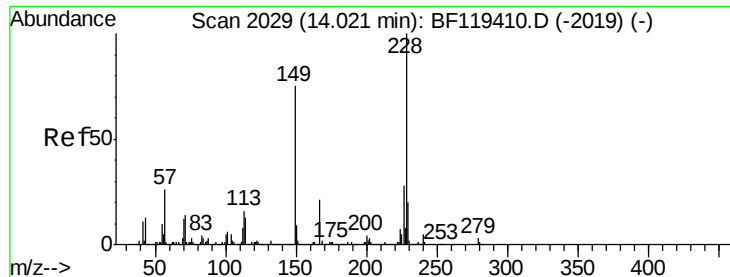
Tgt Ion:244 Resp: 2763271
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 12.4 9.8 14.8



#80
 Butylbenzylphthalate
 Concen: 48.00 ng
 RT: 13.45 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BF119480.D
 Acq: 20 Mar 2020 19:13

Tgt Ion:149 Resp: 943064
 Ion Ratio Lower Upper
 149 100
 91 74.3 57.0 85.6
 206 19.1 16.4 24.6





#81

Benzo(a)anthracene

Concen: 43.24 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

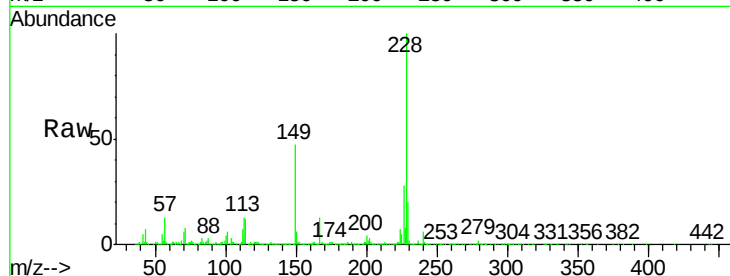
Tgt Ion:228 Resp: 1664489

Ion Ratio Lower Upper

228 100

226 27.7 22.3 33.5

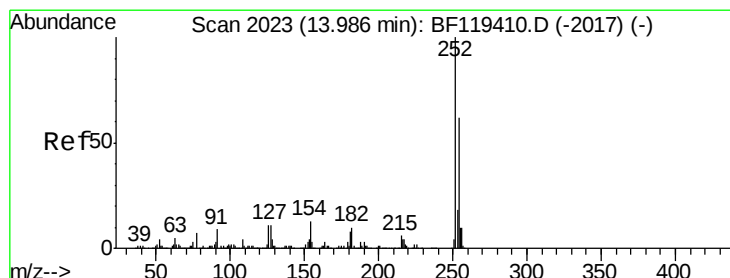
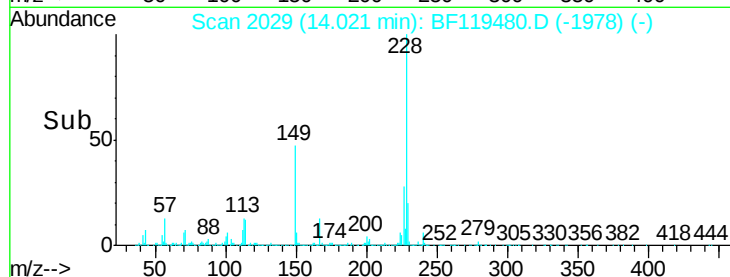
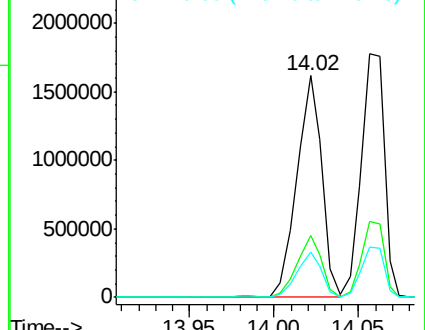
229 20.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 36.08 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

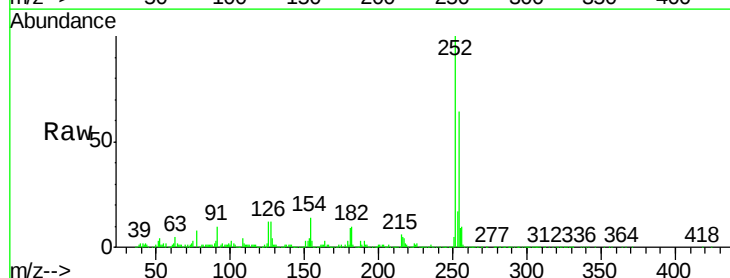
Tgt Ion:252 Resp: 547672

Ion Ratio Lower Upper

252 100

254 63.8 49.8 74.8

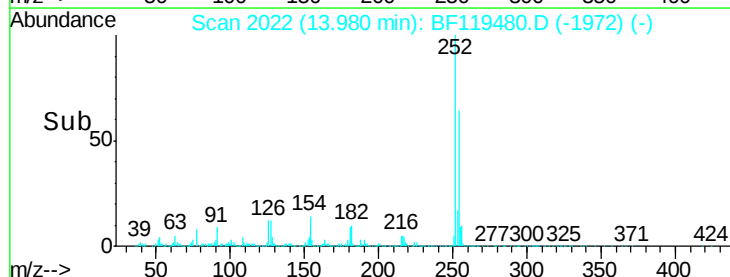
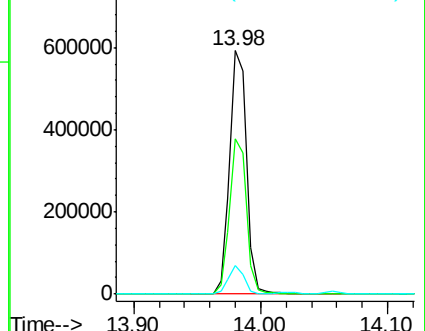
126 11.6 8.9 13.3

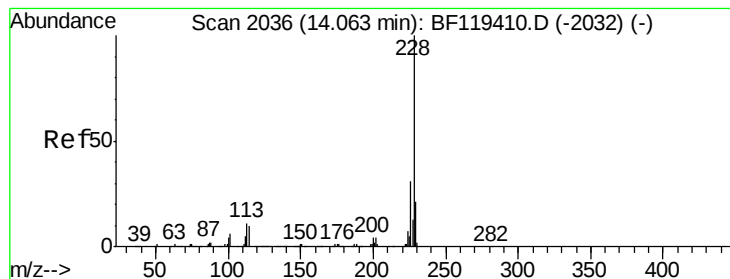


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 42.52 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

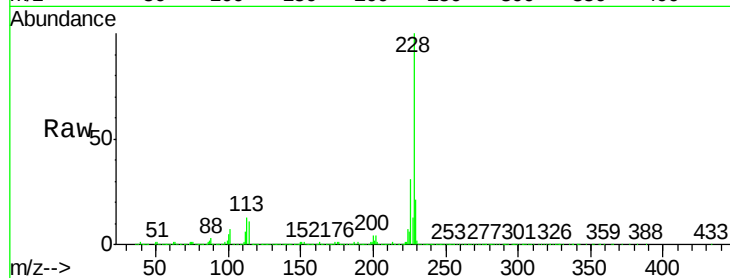
Tgt Ion:228 Resp: 1689108

Ion Ratio Lower Upper

228 100

226 31.1 24.8 37.2

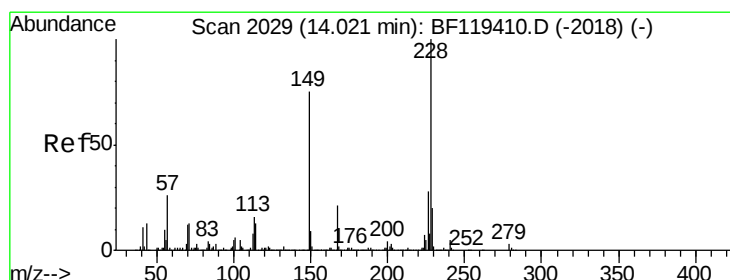
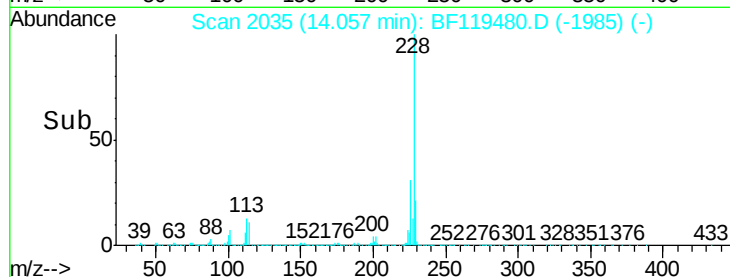
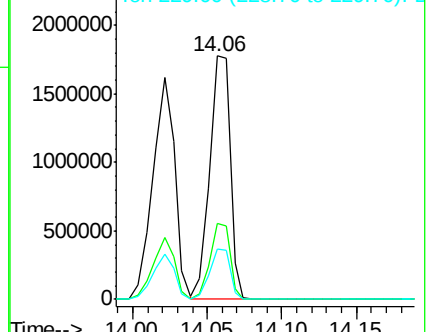
229 20.7 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.55 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

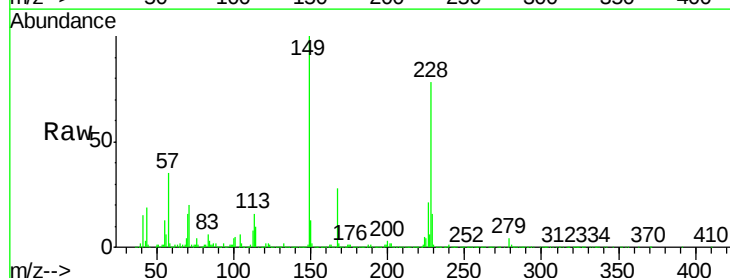
Tgt Ion:149 Resp: 1207502

Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

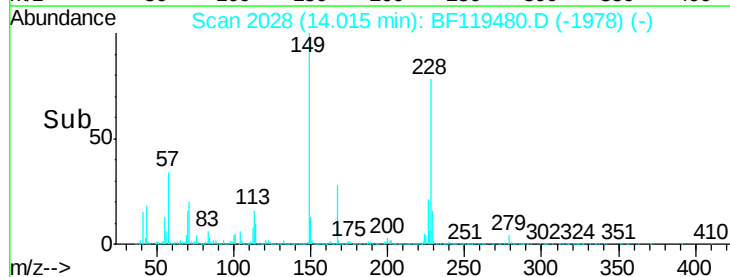
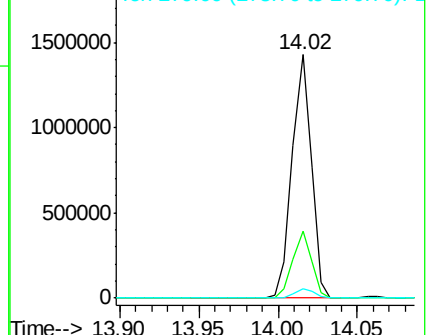
279 3.6 3.2 4.8

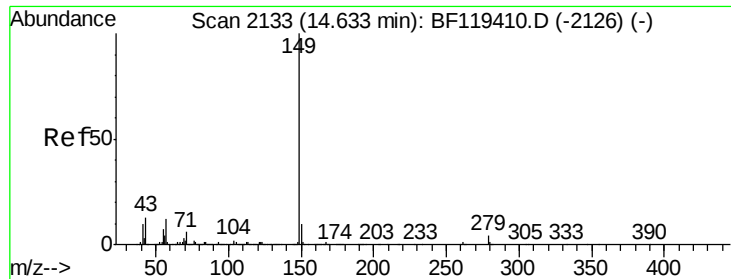


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 52.23 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

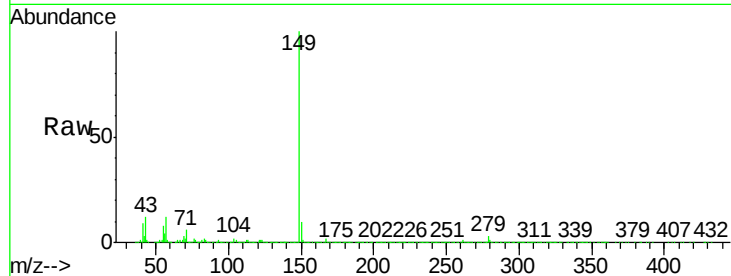
Tgt Ion:149 Resp: 2151587

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

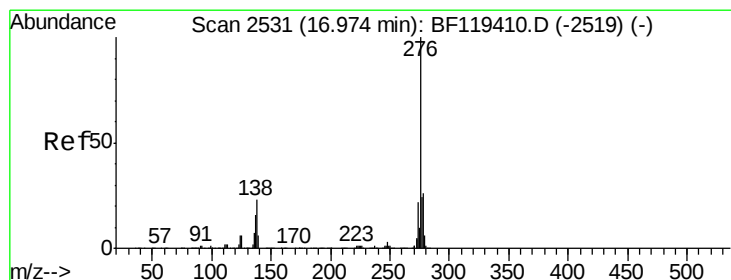
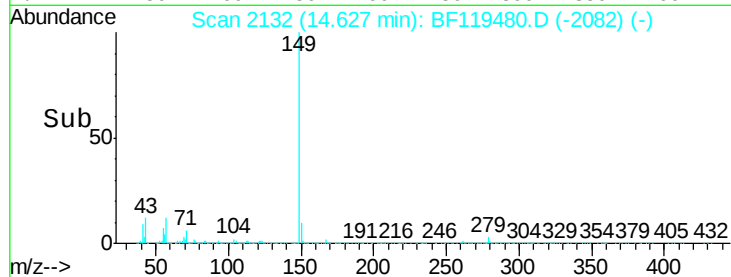
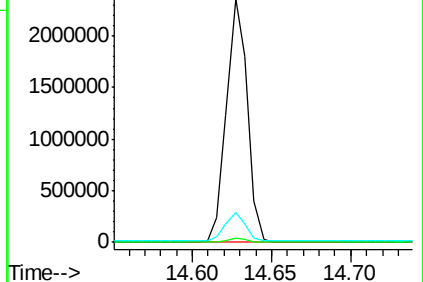
43 11.9 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 51.79 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

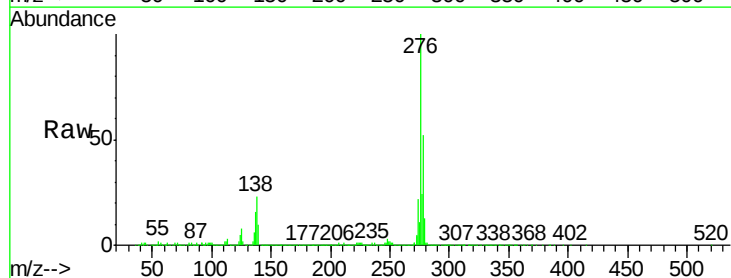
Tgt Ion:276 Resp: 1937754

Ion Ratio Lower Upper

276 100

138 24.9 21.3 31.9

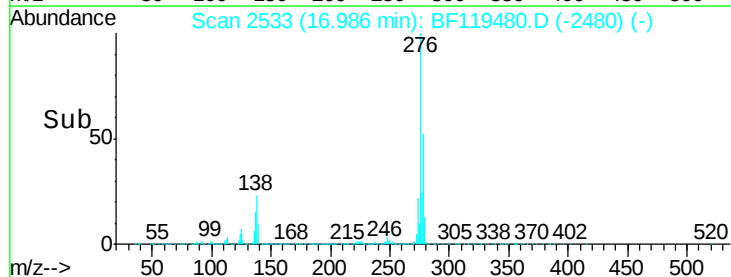
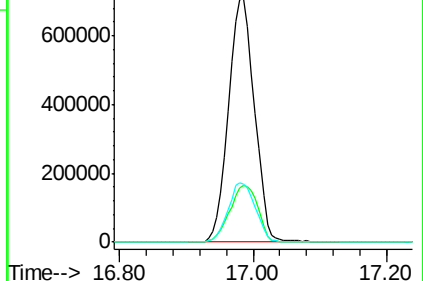
277 25.3 20.2 30.2

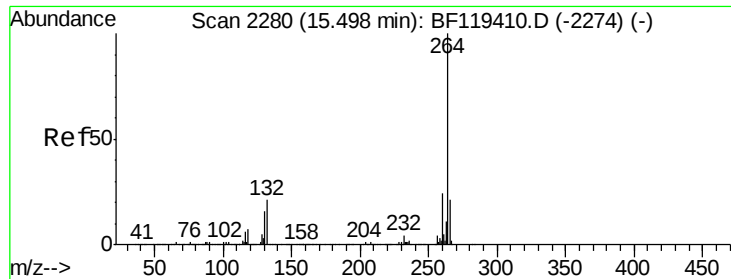


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

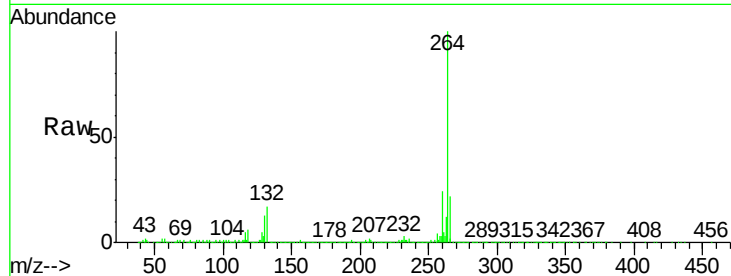
Tgt Ion:264 Resp: 690818

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

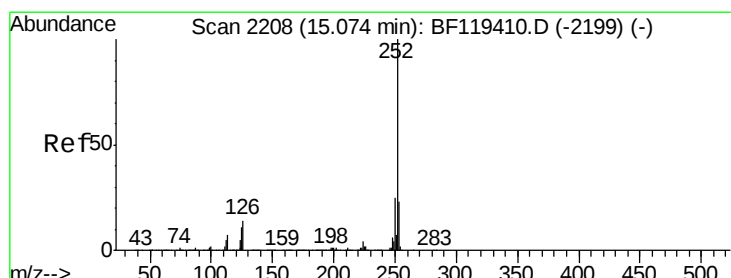
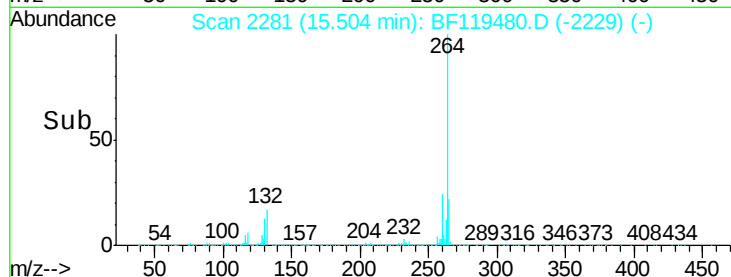
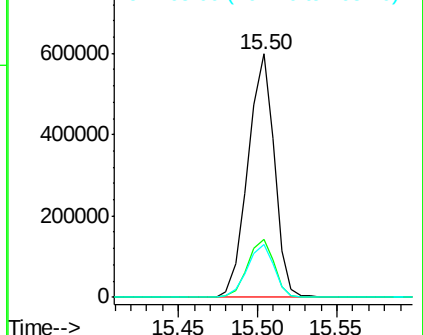
265 21.7 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 40.04 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

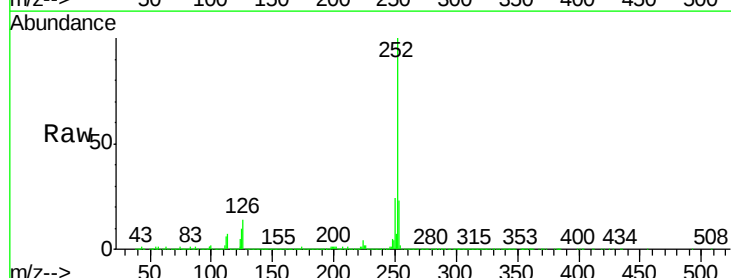
Tgt Ion:252 Resp: 1847860

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

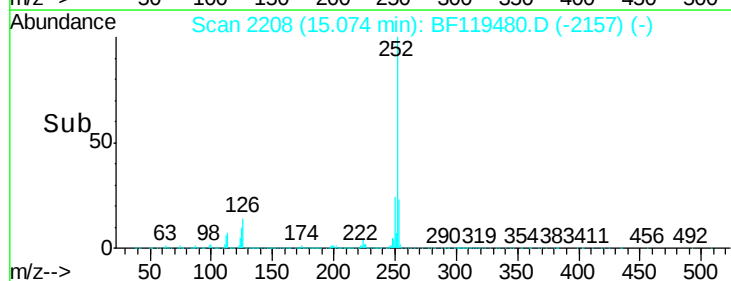
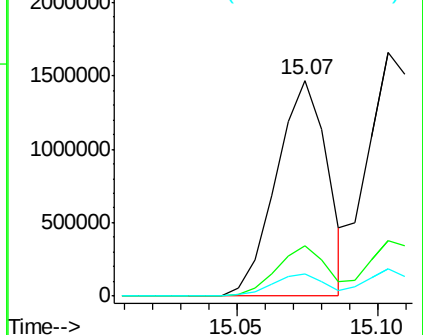
125 10.4 8.8 13.2

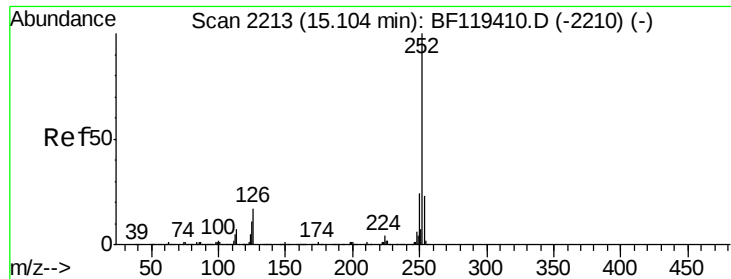


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

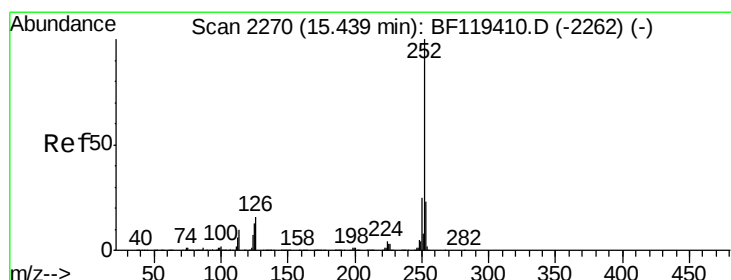
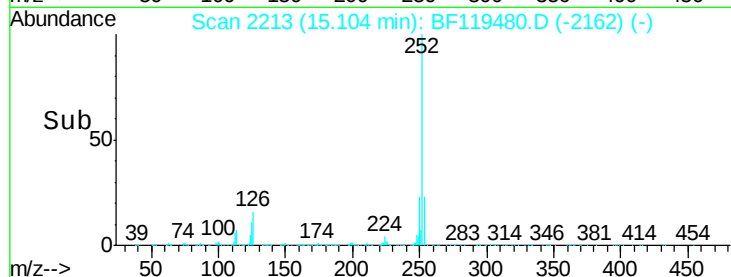
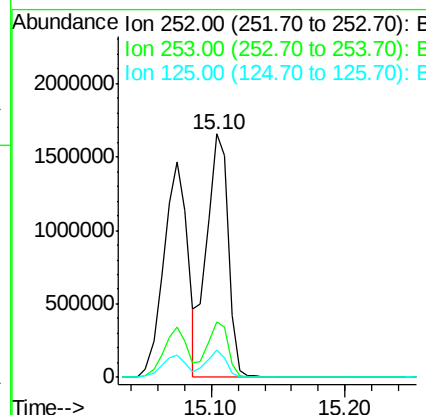
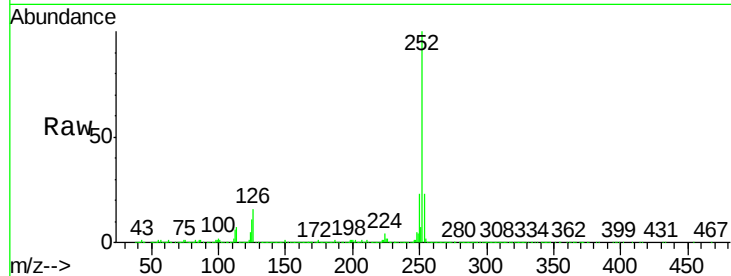




#89
Benzo(k)fluoranthene
Concen: 42.16 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

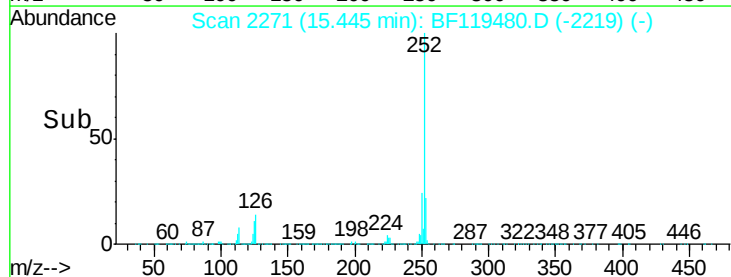
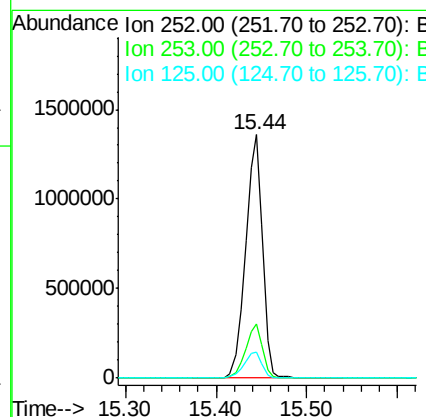
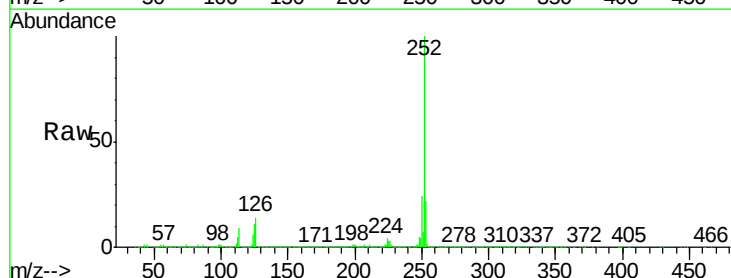
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MSD

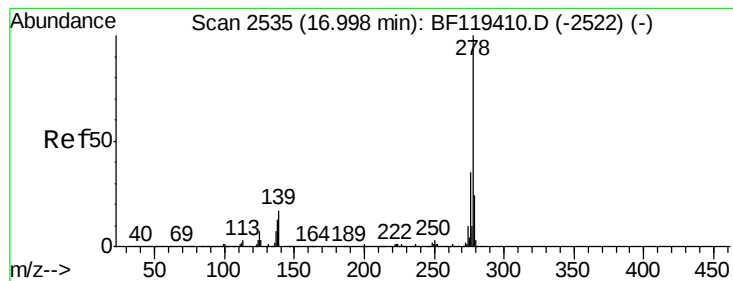
Tgt Ion:252 Resp: 1852608
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 11.1 9.0 13.4



#90
Benzo(a)pyrene
Concen: 42.07 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF119480.D
Acq: 20 Mar 2020 19:13

Tgt Ion:252 Resp: 1764477
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 10.8 10.2 15.2





#91

Dibenzo(a,h)anthracene

Concen: 45.08 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MSD

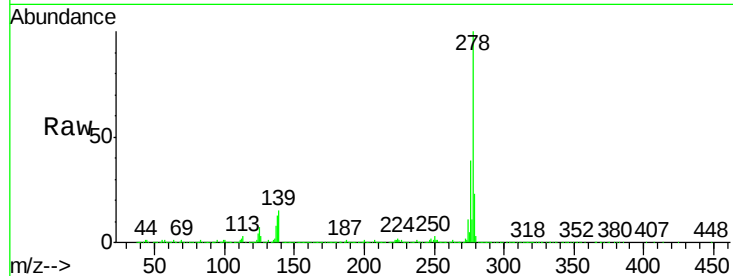
Tgt Ion:278 Resp: 1653684

Ion Ratio Lower Upper

278 100

139 15.0 13.7 20.5

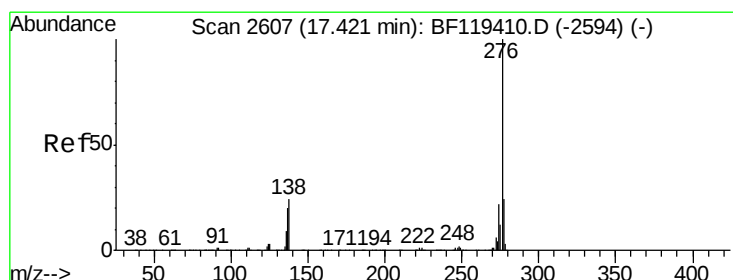
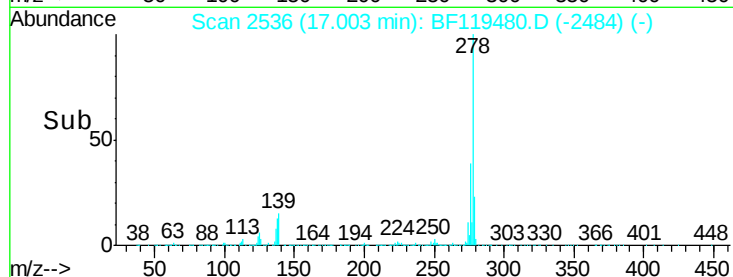
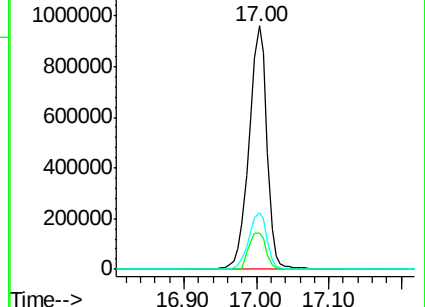
279 23.3 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 41.92 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.01 min

Lab File: BF119480.D

Acq: 20 Mar 2020 19:13

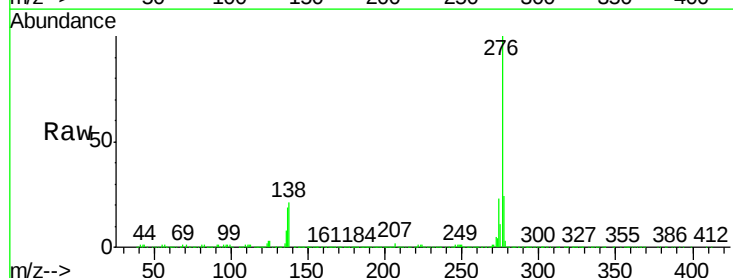
Tgt Ion:276 Resp: 1544791

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 21.3 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

