

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
 Data File : BF119475.D
 Acq On : 20 Mar 2020 16:42
 Operator : CG/JU
 Sample : L1749-03MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Quant Time: Mar 20 22:52:31 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	292853	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1149691	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	604628	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1106725	20.00	ng	0.00
76) Chrysene-d12	14.03	240	573523	20.00	ng	0.00
87) Perylene-d12	15.50	264	618846	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	2204814	119.85	ng	0.02
7) Phenol-d6	6.48	99	2662971	113.32	ng	0.00
23) Nitrobenzene-d5	7.42	82	1927940	91.14	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	858676	137.66	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3440415	84.30	ng	0.00
79) Terphenyl-d14	12.97	244	3630909	124.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	336413	37.03	ng	# 82
3) Pyridine	3.47	79	635300	25.38	ng	97
4) n-Nitrosodimethylamine	3.41	42	508113	41.63	ng	96
6) Aniline	6.52	93	541104	16.68	ng	96
8) 2-Chlorophenol	6.64	128	970817	50.25	ng	99
9) Benzaldehyde	6.40	77	632042	42.40	ng	99
10) Phenol	6.49	94	1050438	41.89	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	961864	47.96	ng	98
12) 1,3-Dichlorobenzene	6.79	146	928756	44.41	ng	100
13) 1,4-Dichlorobenzene	6.87	146	941655	45.02	ng	98
14) 1,2-Dichlorobenzene	7.02	146	886075	45.32	ng	97
15) Benzyl Alcohol	6.99	79	853228	48.27	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1779897	44.00	ng	97
17) 2-Methylphenol	7.10	107	776306	43.85	ng	99
18) Hexachloroethane	7.37	117	351272	45.83	ng	95
19) n-Nitroso-di-n-propylamine	7.27	70	683250	48.24	ng	96
20) 3+4-Methylphenols	7.26	107	912786	42.07	ng	# 79
22) Acetophenone	7.26	105	1268919	46.19	ng	95
24) Nitrobenzene	7.43	77	1016626	44.97	ng	98
25) Isophorone	7.67	82	1924827	44.86	ng	99
26) 2-Nitrophenol	7.75	139	510978	57.40	ng	99
27) 2,4-Dimethylphenol	7.79	122	906303	49.24	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	1200294	47.30	ng	98
29) 2,4-Dichlorophenol	7.99	162	801131	47.37	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	856147	45.78	ng	99
31) Naphthalene	8.16	128	2704589	45.71	ng	100
32) Benzoic acid	7.90	122	536782	45.34	ng	99
33) 4-Chloroaniline	8.20	127	238093	8.78	ng	97
34) Hexachlorobutadiene	8.28	225	471977	45.10	ng	99
35) Caprolactam	8.57	113	136567	24.67	ng	92
36) 4-Chloro-3-methylphenol	8.69	107	874419	47.31	ng	99
37) 2-Methylnaphthalene	8.86	142	1858012	47.85	ng	98
38) 1-Methylnaphthalene	8.95	142	1735575	47.22	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	789267	44.54	ng	99

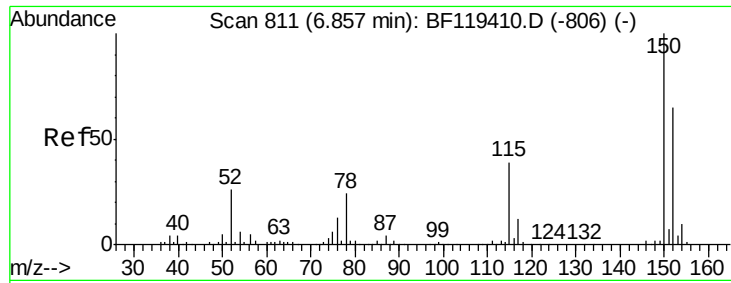
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	705422	70.02	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	607859	47.93	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	624065	43.93	ng	100
46) 1,1'-Biphenyl	9.32	154	2207413	44.83	ng	98
47) 2-Chloronaphthalene	9.35	162	1706710	44.25	ng	99
48) 2-Nitroaniline	9.43	65	645676	48.50	ng	98
49) Acenaphthylene	9.76	152	2715123	44.82	ng	99
50) Dimethylphthalate	9.62	163	2295974	53.46	ng	98
51) 2,6-Dinitrotoluene	9.68	165	461019	50.08	ng	93
52) Acenaphthene	9.93	154	1810033	47.93	ng	98
53) 3-Nitroaniline	9.85	138	178731	15.38	ng	91
54) 2,4-Dinitrophenol	9.95	184	353522	87.96	ng	91
55) Dibenzofuran	10.10	168	2446733	45.19	ng	99
56) 4-Nitrophenol	10.01	139	739069	80.61	ng	96
57) 2,4-Dinitrotoluene	10.09	165	614704	53.01	ng	95
58) Fluorene	10.45	166	1842377	46.02	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	520892	49.05	ng	99
60) Diethylphthalate	10.32	149	2084897	47.83	ng	99
61) 4-Chlorophenyl-phenylether	10.44	204	897452	45.84	ng	99
62) 4-Nitroaniline	10.46	138	446850	40.10	ng	99
63) Azobenzene	10.60	77	2008683	45.76	ng	95
65) 4,6-Dinitro-2-methylphenol	10.49	198	256537	55.28	ng	95
66) n-Nitrosodiphenylamine	10.56	169	1744060	48.00	ng	98
67) 4-Bromophenyl-phenylether	10.93	248	583932	46.33	ng	93
68) Hexachlorobenzene	11.00	284	618881	47.97	ng	97
69) Atrazine	11.09	200	522065	52.41	ng	99
70) Pentachlorophenol	11.19	266	682670	90.25	ng	98
71) Phenanthrene	11.42	178	2645286	46.10	ng	100
72) Anthracene	11.46	178	2755713	47.25	ng	99
73) Carbazole	11.62	167	2562615	44.39	ng	98
74) Di-n-butylphthalate	11.95	149	3135683	50.78	ng	98
75) Fluoranthene	12.60	202	2702220	43.51	ng	99
77) Benzidine	12.72	184	1060459	43.69	ng	97
78) Pyrene	12.83	202	2696040	57.28	ng	99
80) Butylbenzylphthalate	13.45	149	1280376	67.26	ng	98
81) Benzo(a)anthracene	14.02	228	1857997	49.82	ng	100
82) 3,3'-Dichlorobenzidine	13.98	252	450752	30.65	ng	98
83) Chrysene	14.06	228	1892327	49.16	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	1551276	68.36	ng	99
85) Di-n-octyl phthalate	14.63	149	2552864	63.96	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	2287269	63.10	ng	98
88) Benzo(b)fluoranthene	15.07	252	1931896	46.73	ng	98
89) Benzo(k)fluoranthene	15.10	252	1717991	43.64	ng	99
90) Benzo(a)pyrene	15.44	252	1739177	46.29	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	1869800	56.90	ng	98
92) Benzo(g,h,i)perylene	17.43	276	1988132	60.23	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: BF119475.D

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BU-02-031920MS

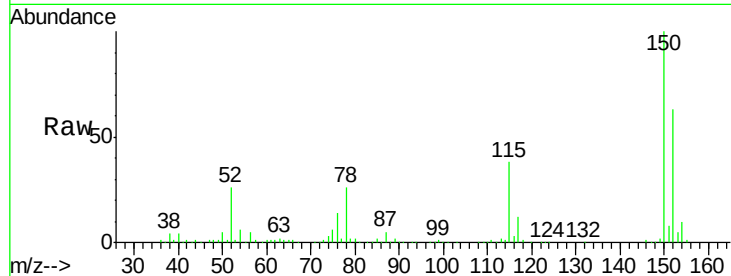
Tgt Ion:152 Resp: 292853

Ion Ratio Lower Upper

152 100

150 157.5 123.9 185.9

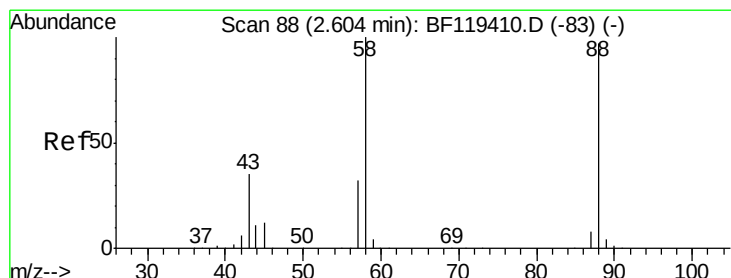
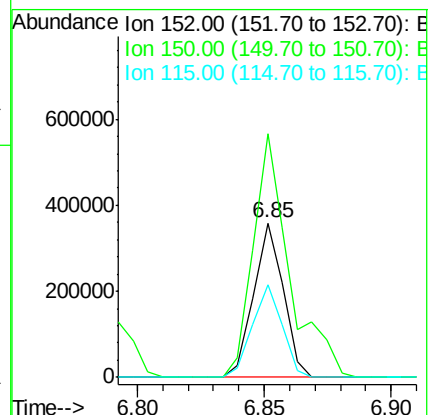
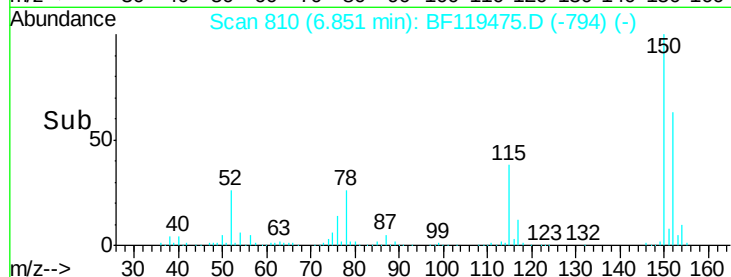
115 60.3 47.8 71.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 37.03 ng

RT: 2.76 min Scan# 114

Delta R.T. 0.15 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

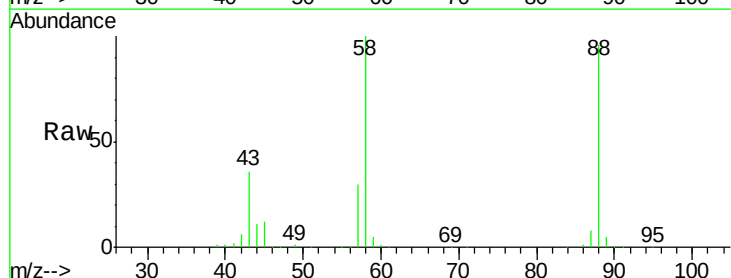
Tgt Ion: 88 Resp: 336413

Ion Ratio Lower Upper

88 100

58 102.4 79.4 119.2

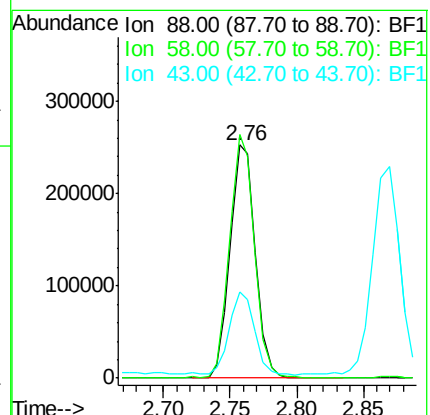
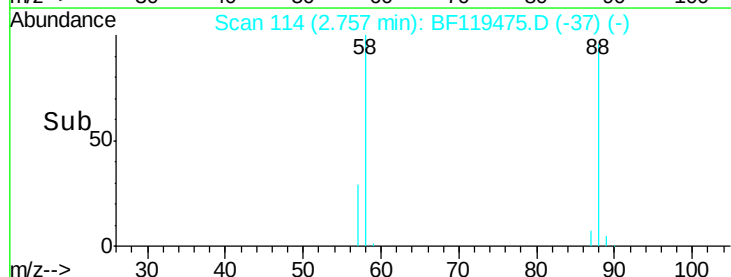
43 0.0 28.4 42.6#

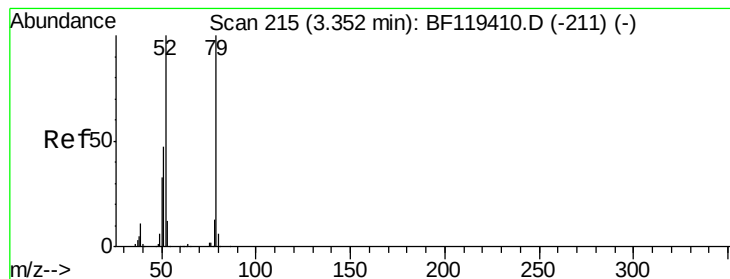


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 25.38 ng

RT: 3.47 min Scan# 235

Delta R.T. 0.12 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

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ClientSampleId :

BU-02-031920MS

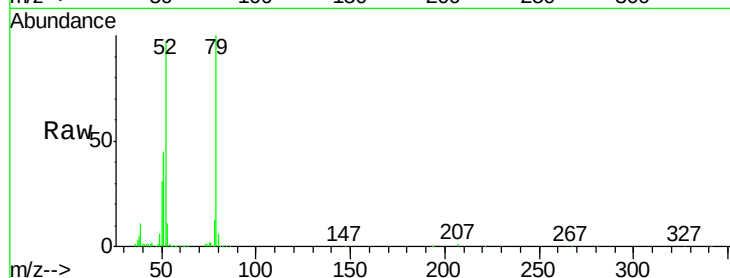
Tgt Ion: 79 Resp: 635300

Ion Ratio Lower Upper

79 100

52 96.9 80.0 120.0

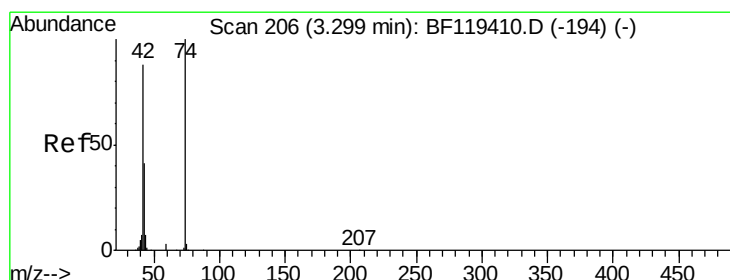
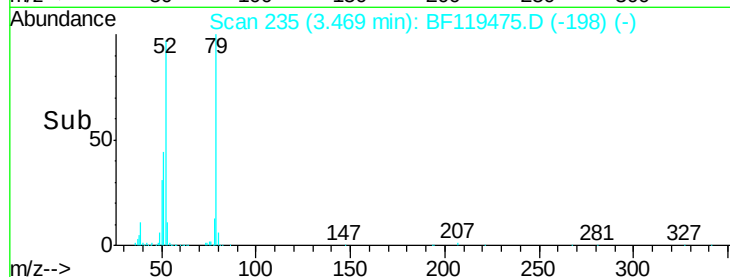
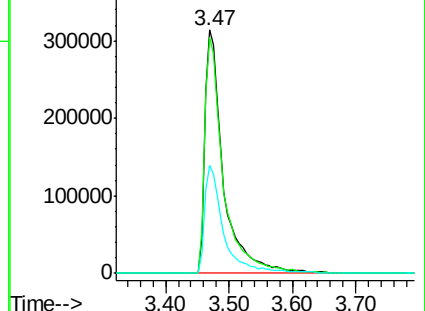
51 44.5 37.9 56.9



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: 41.63 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.11 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

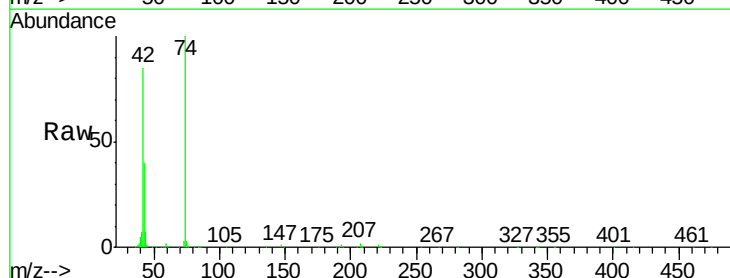
Tgt Ion: 42 Resp: 508113

Ion Ratio Lower Upper

42 100

74 118.1 91.3 136.9

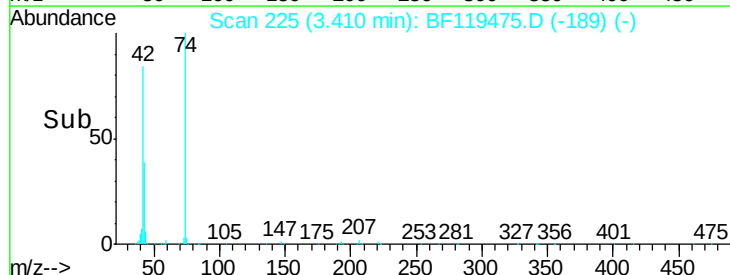
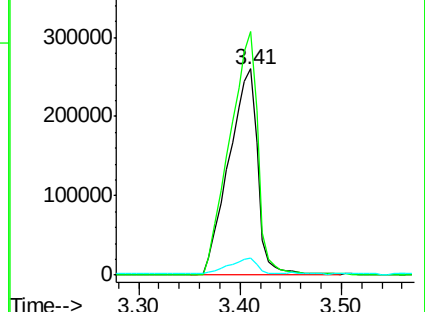
44 8.1 7.1 10.7

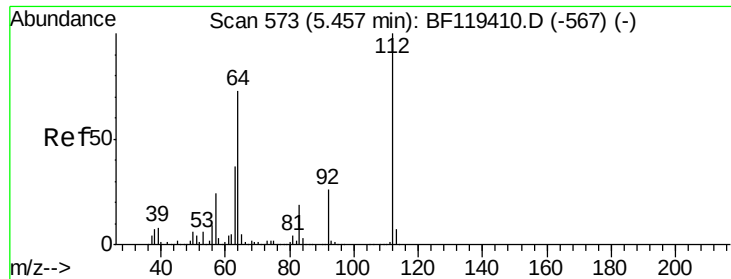


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 119.85 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.02 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

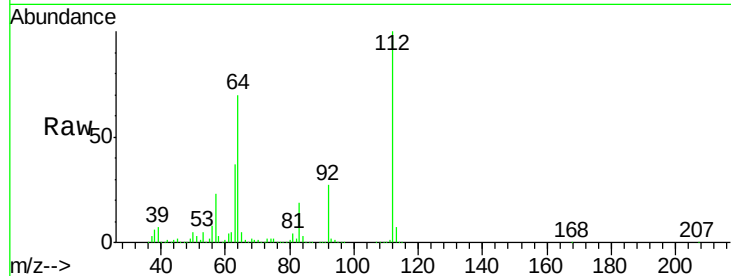
Tgt Ion: 112 Resp: 2204814

Ion Ratio Lower Upper

112 100

64 70.4 58.1 87.1

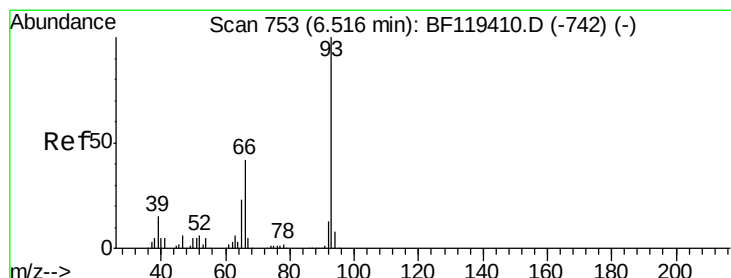
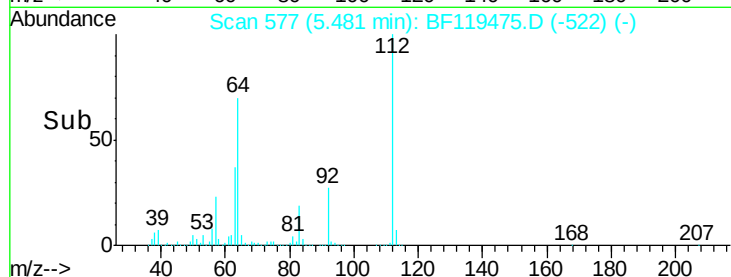
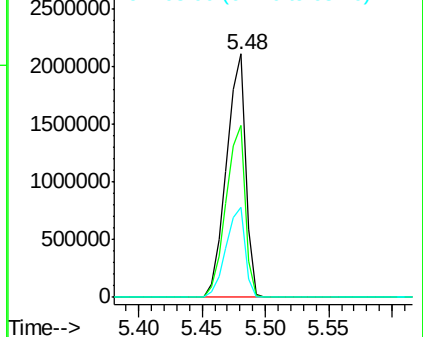
63 36.8 29.7 44.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 16.68 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

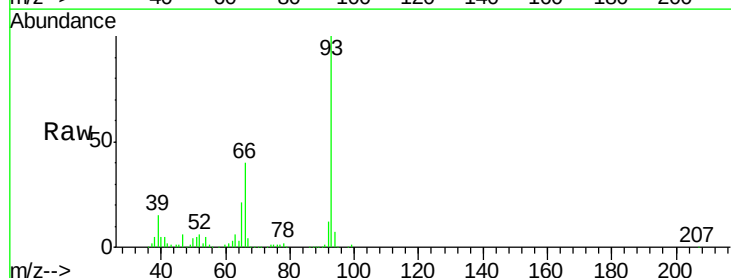
Tgt Ion: 93 Resp: 541104

Ion Ratio Lower Upper

93 100

66 40.4 34.2 51.4

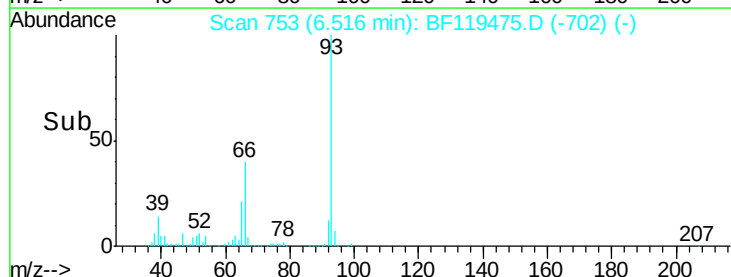
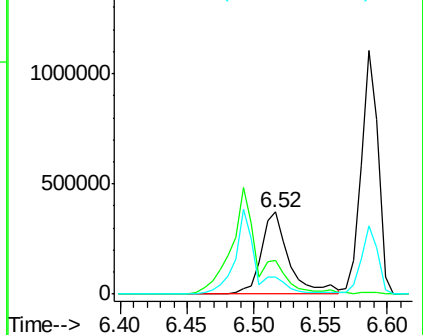
65 21.0 18.2 27.4

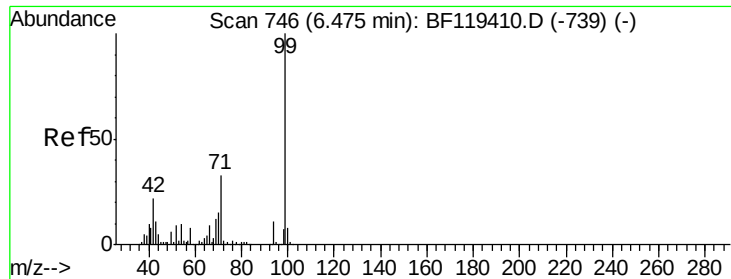


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.32 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

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BU-02-031920MS

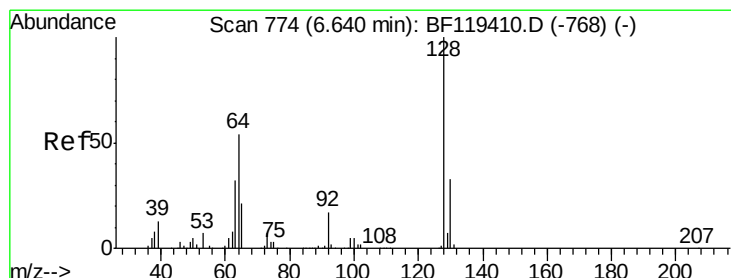
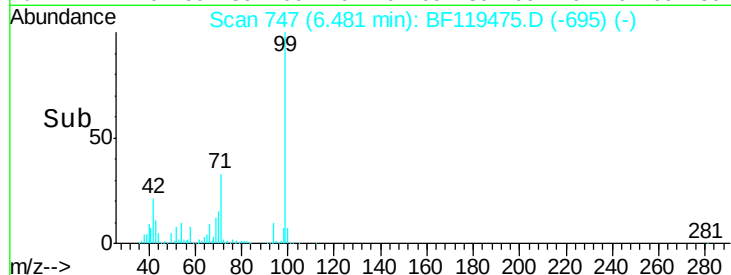
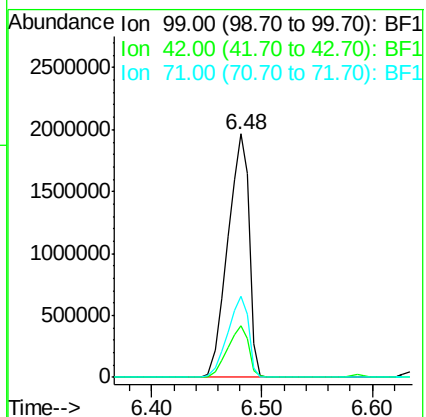
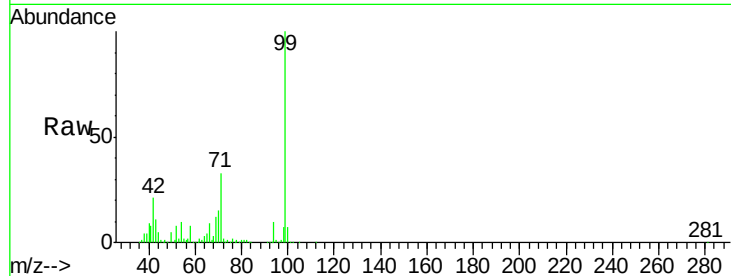
Tgt Ion: 99 Resp: 2662971

Ion Ratio Lower Upper

99 100

42 21.2 17.8 26.6

71 33.3 26.0 39.0



#8

2-Chlorophenol

Concen: 50.25 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

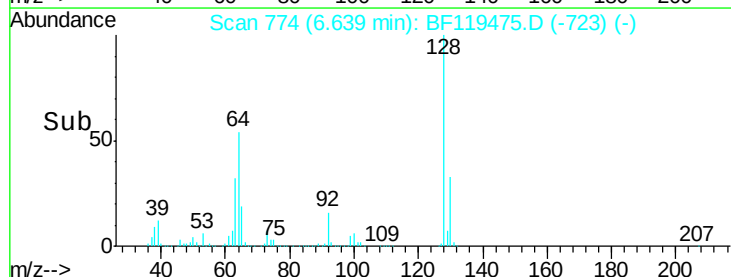
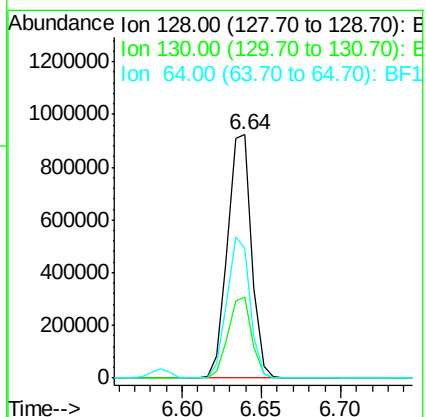
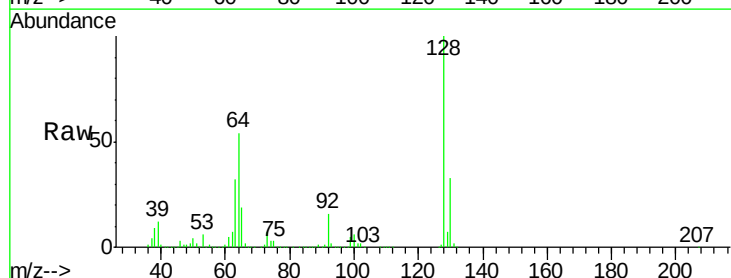
Tgt Ion: 128 Resp: 970817

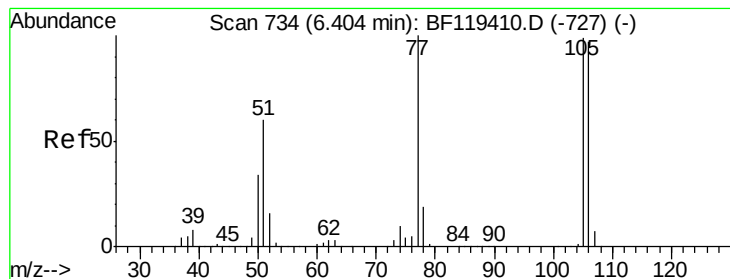
Ion Ratio Lower Upper

128 100

130 33.1 13.0 53.0

64 53.5 35.1 75.1





#9

Benzaldehyde

Concen: 42.40 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

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ClientSampleId :

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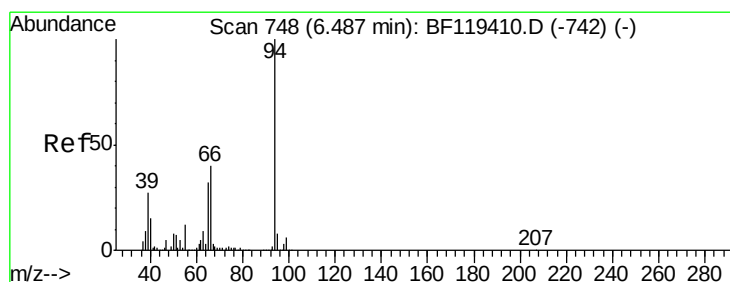
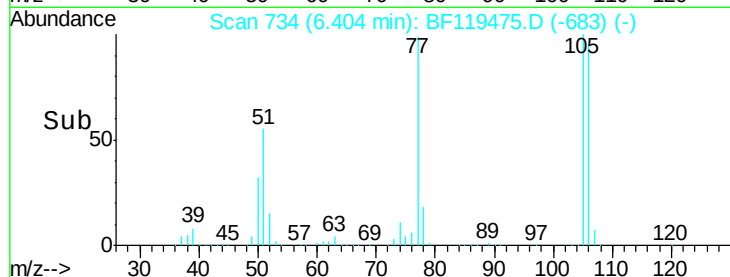
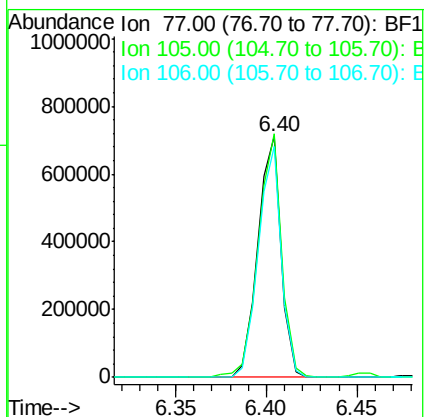
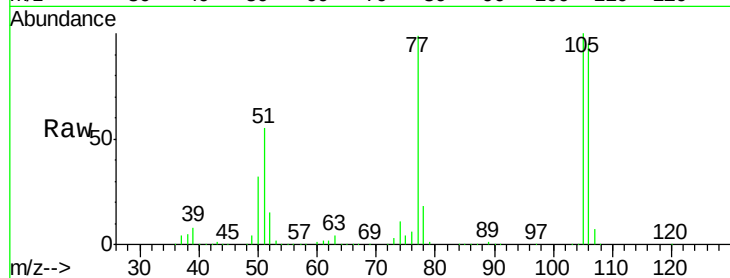
Tgt Ion: 77 Resp: 632042

Ion Ratio Lower Upper

77 100

105 101.2 78.6 118.6

106 96.2 76.5 116.5



#10

Phenol

Concen: 41.89 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

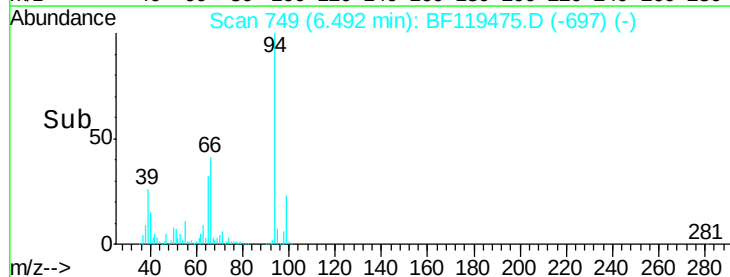
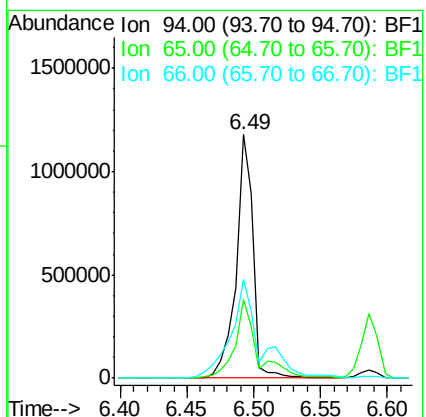
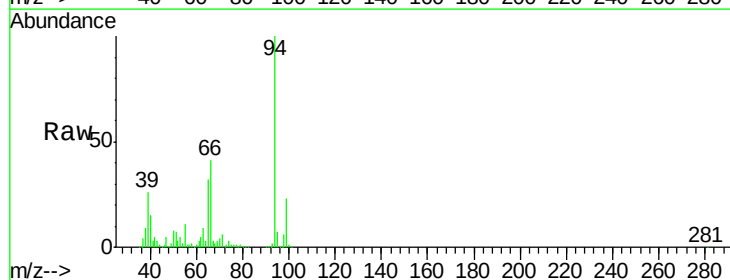
Tgt Ion: 94 Resp: 1050438

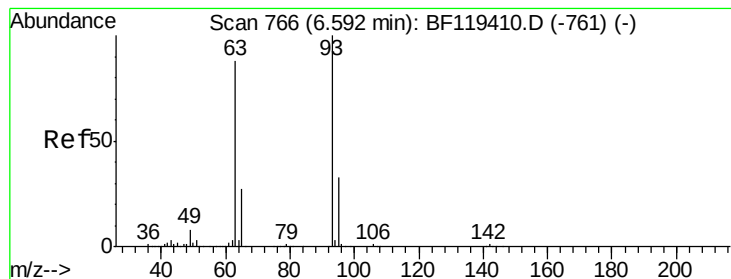
Ion Ratio Lower Upper

94 100

65 32.5 12.0 52.0

66 40.9 20.6 60.6





#11

bis(2-Chloroethyl)ether

Concen: 47.96 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

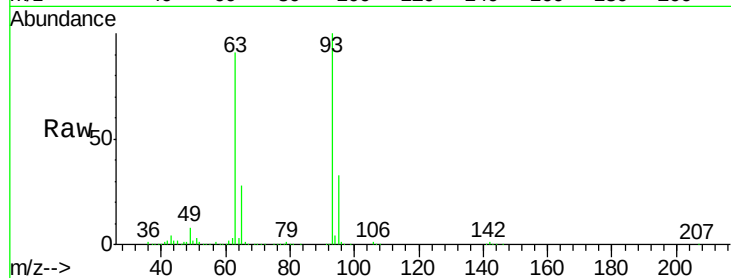
Tgt Ion: 93 Resp: 961864

Ion Ratio Lower Upper

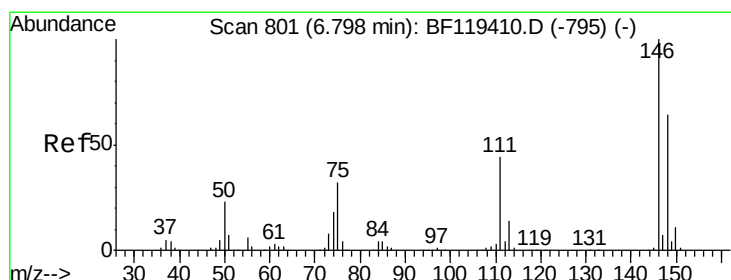
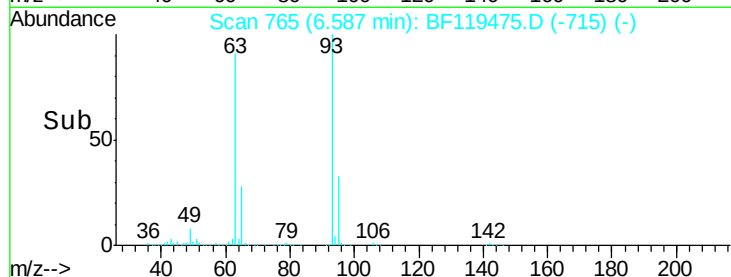
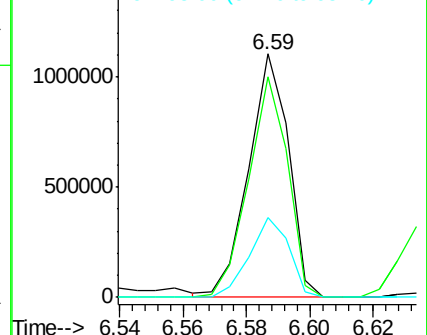
93 100

63 90.8 68.4 108.4

95 32.9 13.4 53.4



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 44.41 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

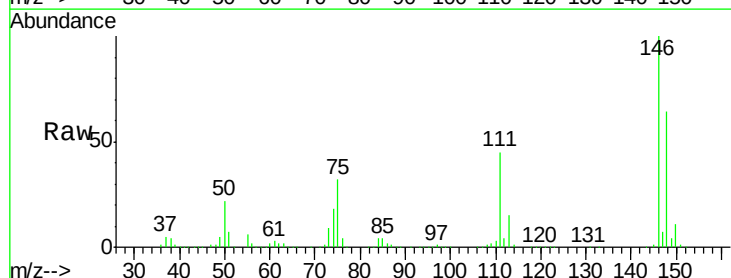
Tgt Ion: 146 Resp: 928756

Ion Ratio Lower Upper

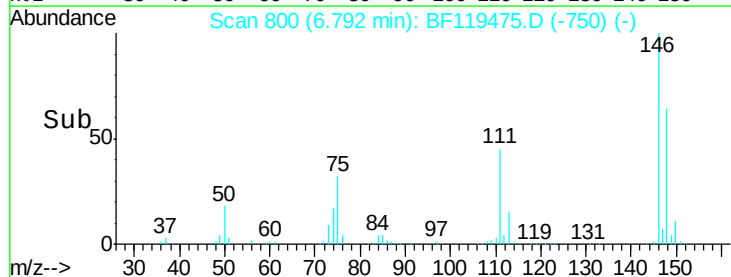
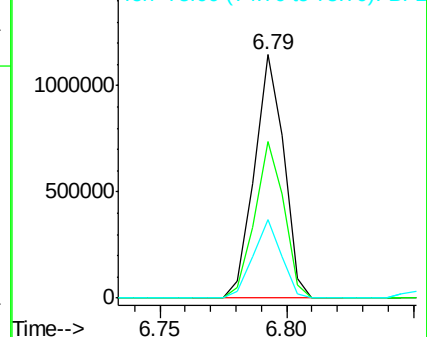
146 100

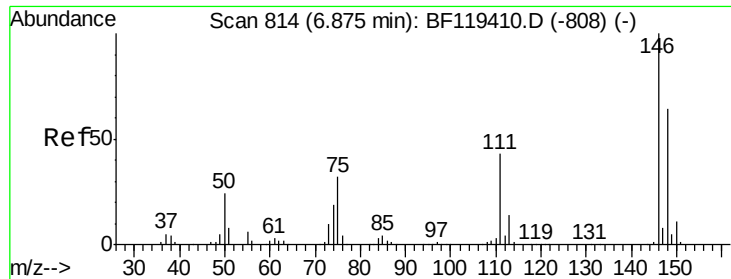
148 64.1 51.4 77.0

75 32.3 25.8 38.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

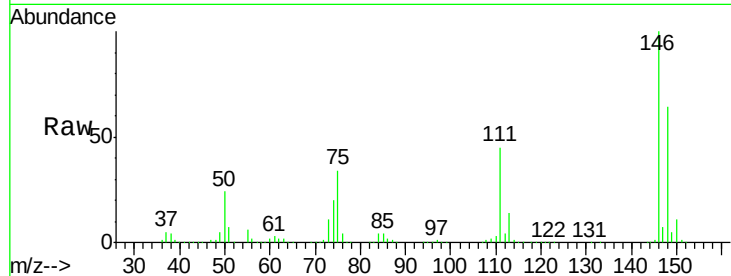




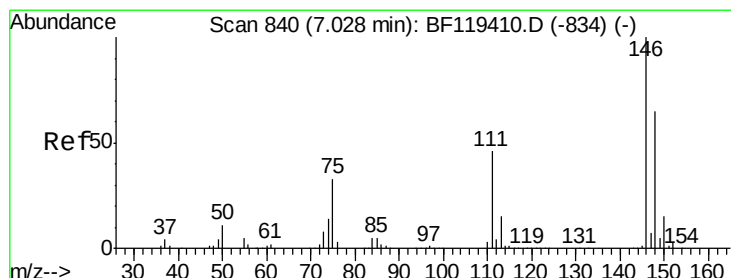
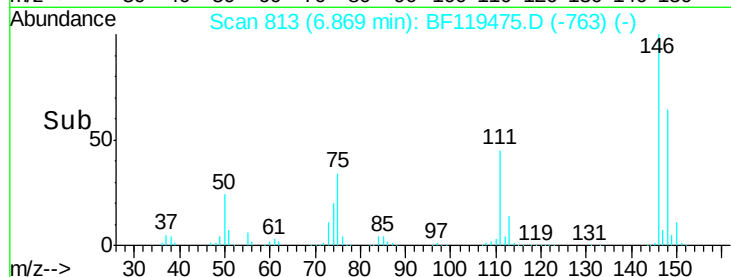
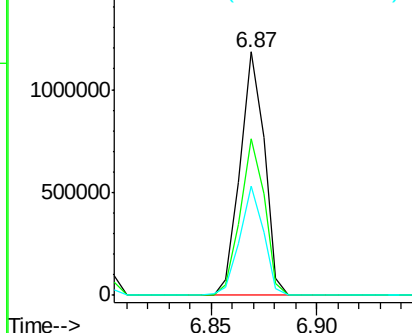
#13
 1,4-Dichlorobenzene
 Concen: 45.02 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tgt Ion:146 Resp: 941655
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.9 76.3
 111 45.1 34.6 52.0

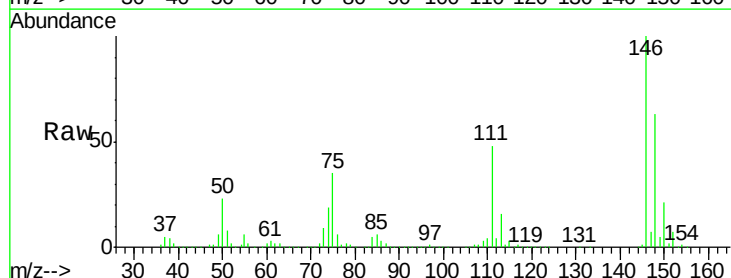


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

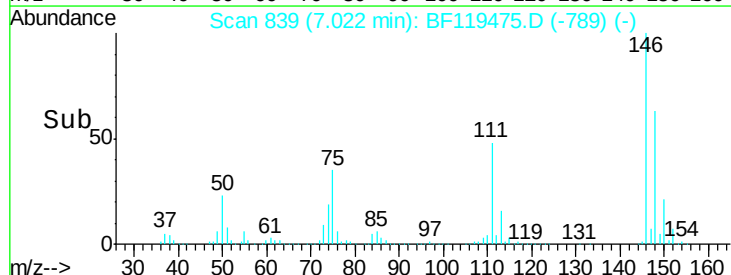
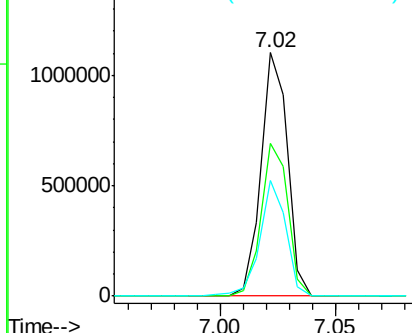


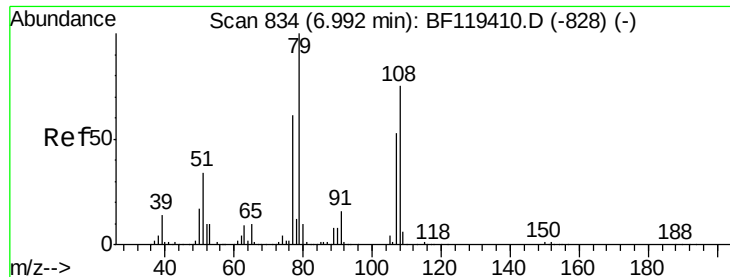
#14
 1,2-Dichlorobenzene
 Concen: 45.32 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion:146 Resp: 886075
 Ion Ratio Lower Upper
 146 100
 148 62.9 51.7 77.5
 111 47.7 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: 48.27 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

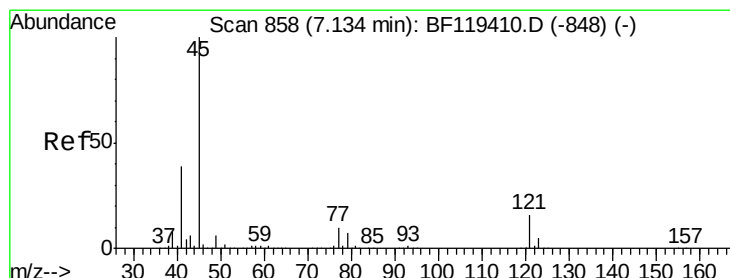
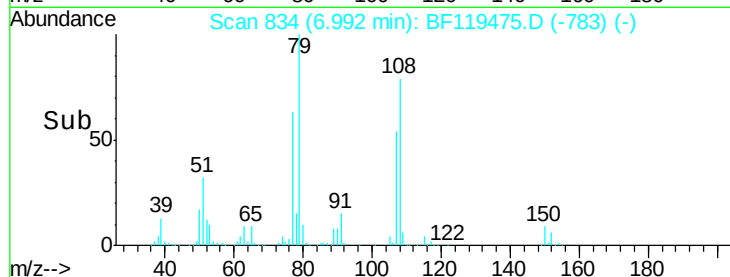
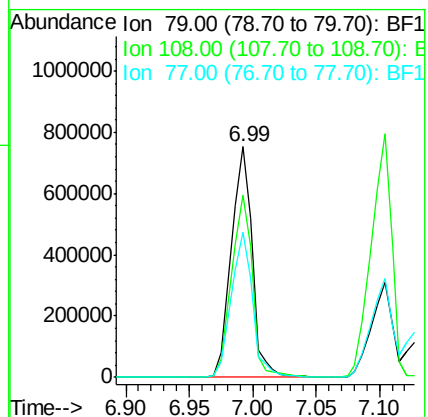
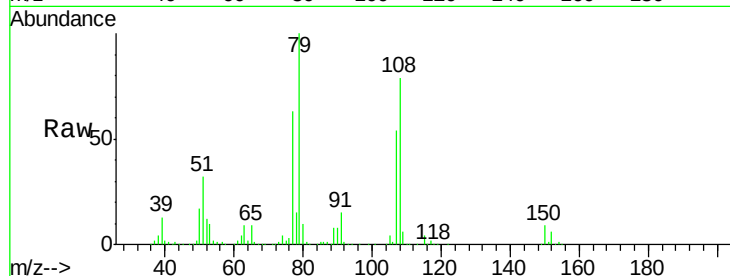
Tgt Ion: 79 Resp: 853228

Ion Ratio Lower Upper

79 100

108 79.3 60.4 90.6

77 62.7 49.0 73.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 44.00 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

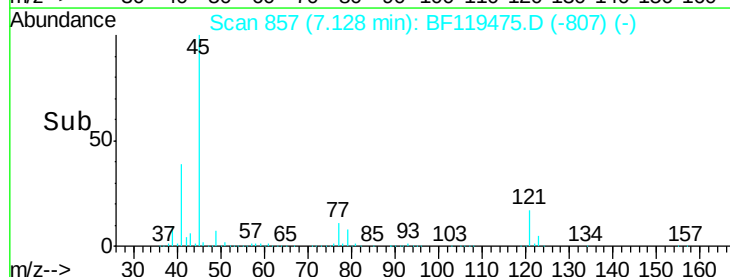
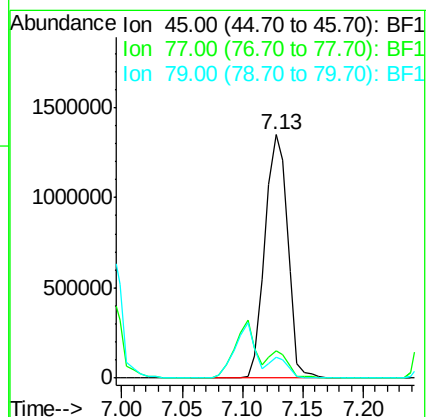
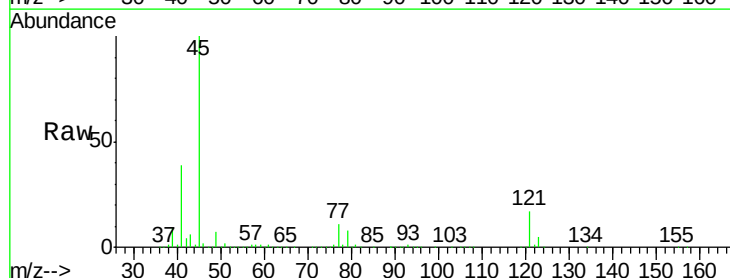
Tgt Ion: 45 Resp: 1779897

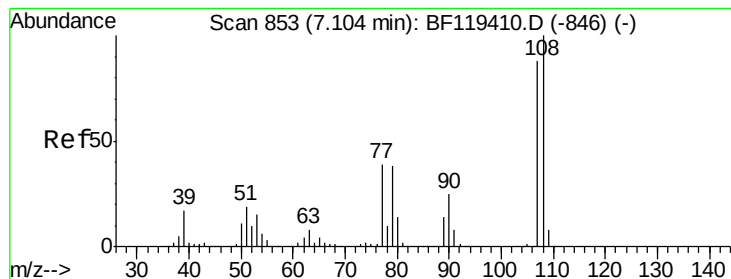
Ion Ratio Lower Upper

45 100

77 11.0 0.0 30.1

79 8.5 0.0 27.4

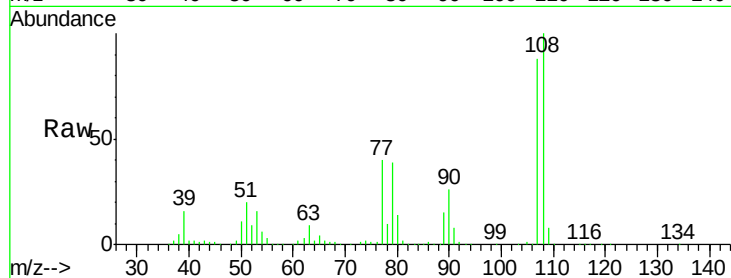




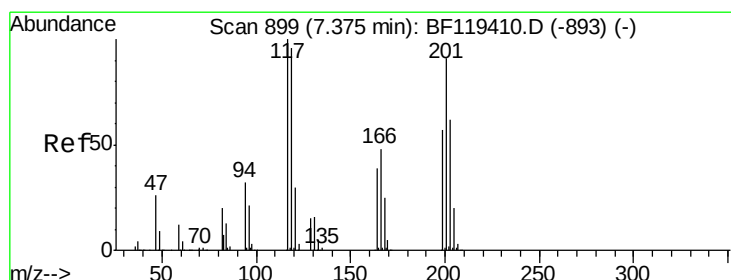
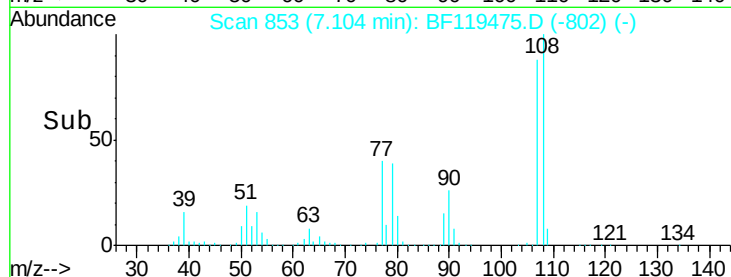
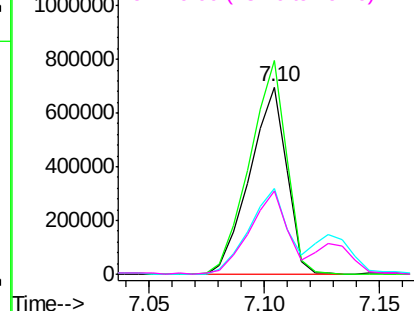
#17
2-Methylphenol
Concen: 43.85 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tgt Ion:	107	Resp:	776306
Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.7	136.1
77	46.2	35.6	53.4
79	44.6	34.7	52.1

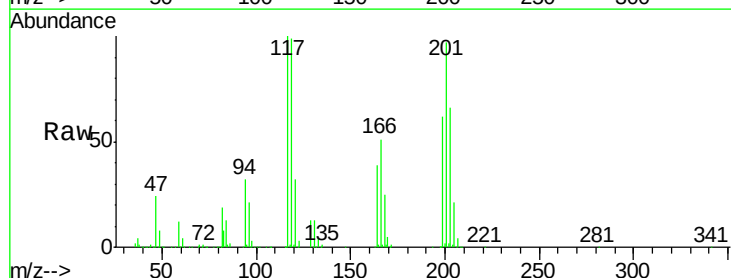


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

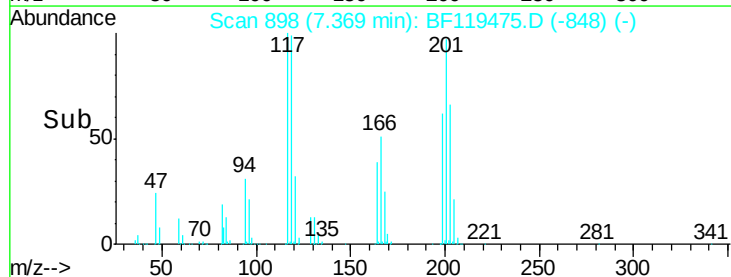
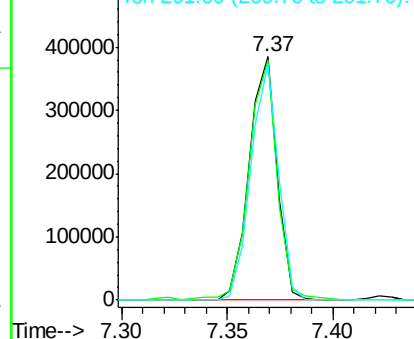


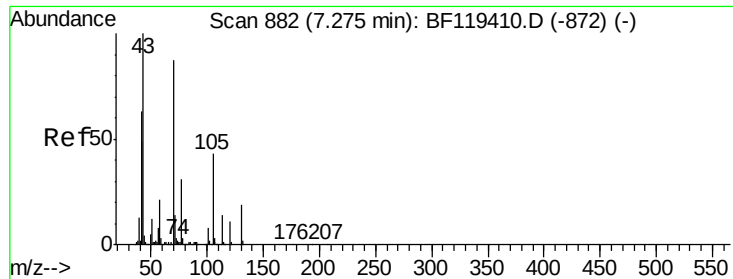
#18
Hexachloroethane
Concen: 45.83 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:	117	Resp:	351272
Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.8	115.2
201	96.7	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

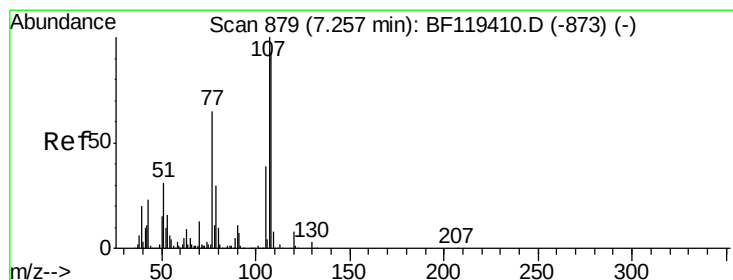
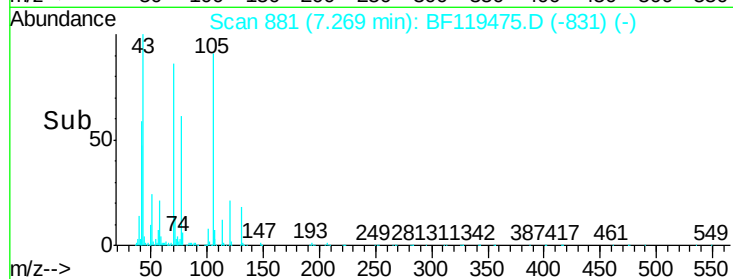
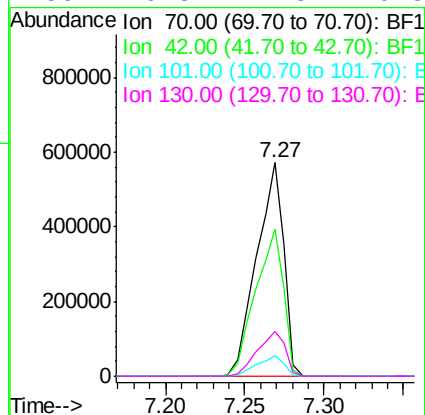
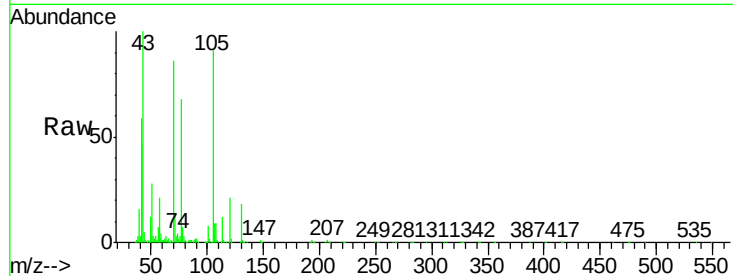




#19
n-Nitroso-di-n-propylamine
Concen: 48.24 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

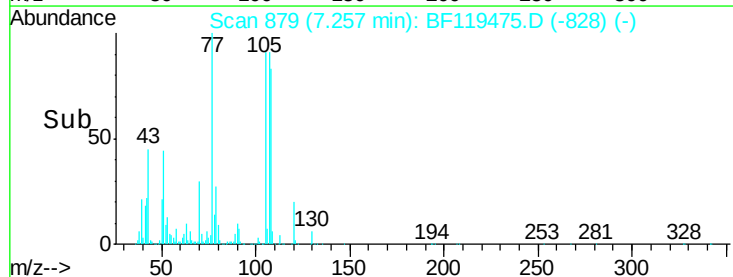
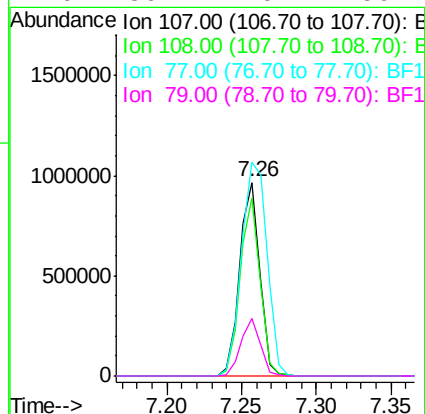
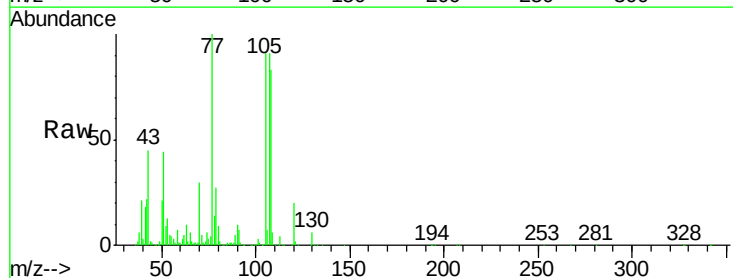
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

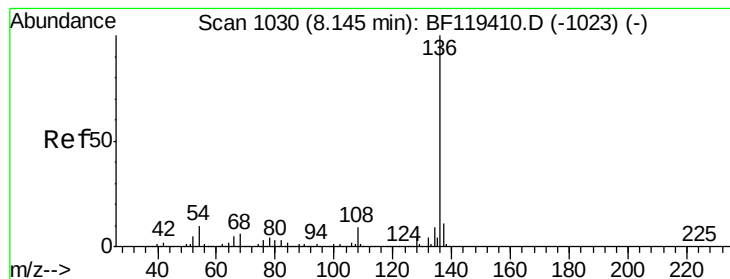
Tgt Ion:	70	Resp:	683250
Ion	Ratio	Lower	Upper
70	100		
42	68.8	58.2	87.4
101	9.6	7.4	11.2
130	20.8	17.8	26.8



#20
3+4-Methylphenols
Concen: 42.07 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:	107	Resp:	912786
Ion	Ratio	Lower	Upper
107	100		
108	91.7	72.6	112.6
77	110.4	44.7	84.7#
79	30.1	10.2	50.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tgt Ion:136 Resp: 1149691

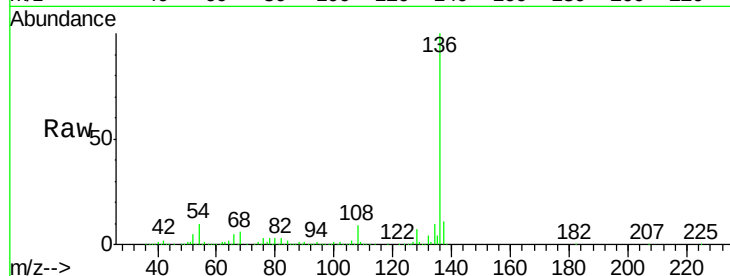
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 10.4 8.3 12.5

68 6.3 4.9 7.3

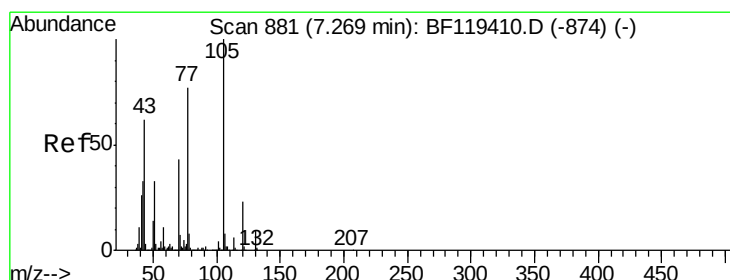
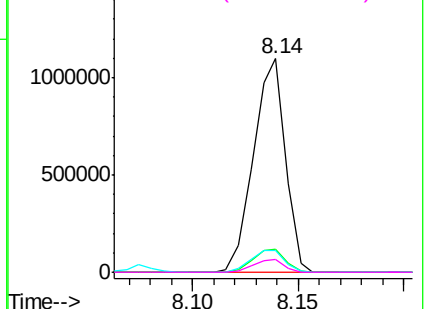
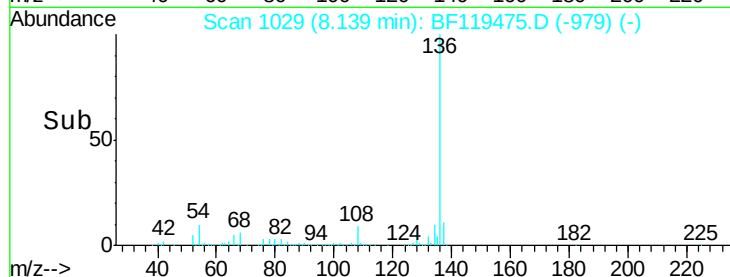


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.19 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Tgt Ion:105 Resp: 1268919

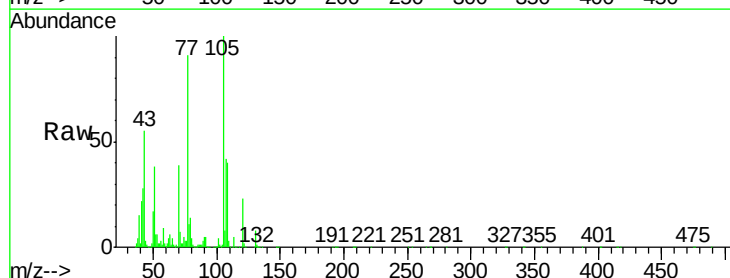
Ion Ratio Lower Upper

105 100

71 6.6 5.8 8.6

51 38.0 26.8 40.2

120 22.8 18.0 27.0

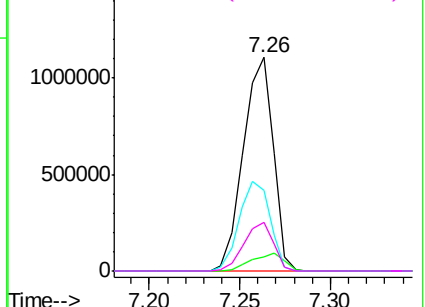
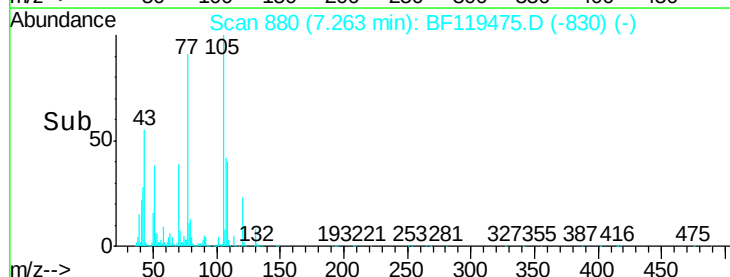


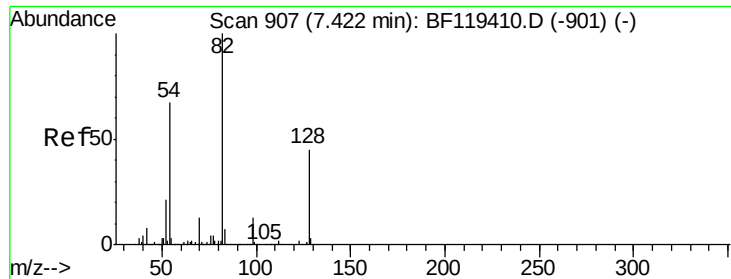
Abundance Ion 105.00 (104.70 to 105.70): E

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

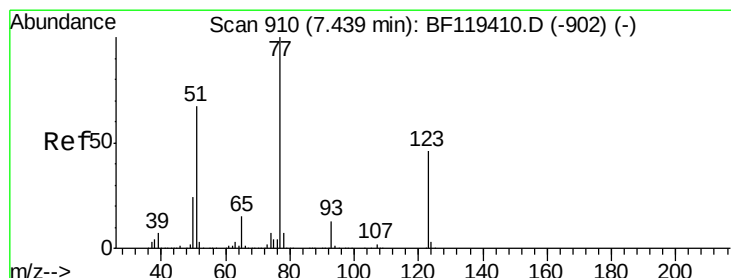
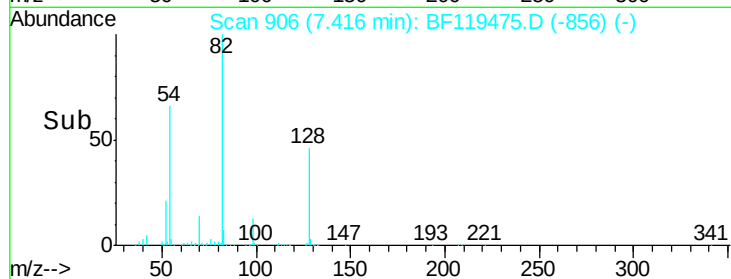
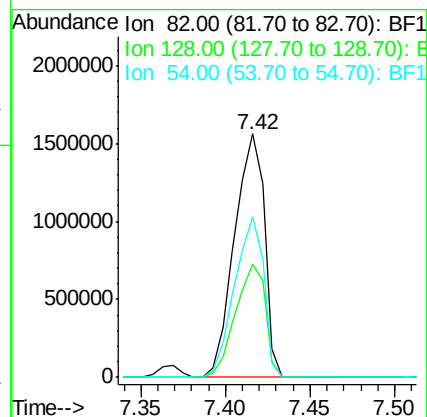
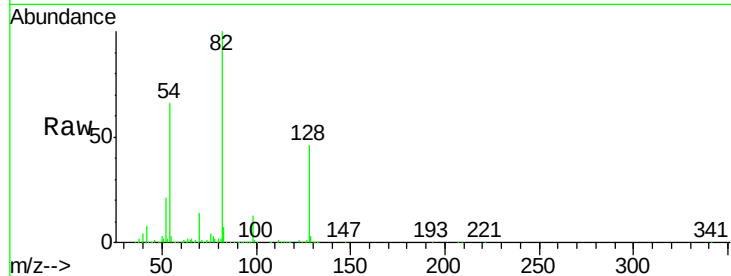




#23
 Nitrobenzene-d5
 Concen: 91.14 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

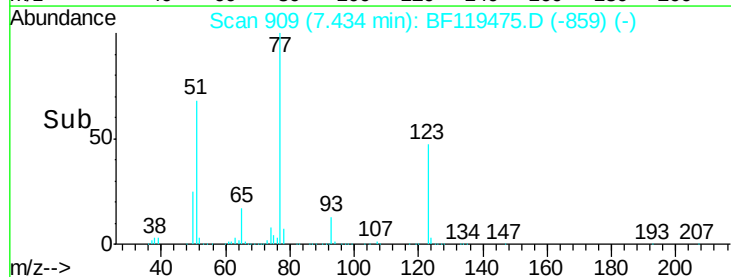
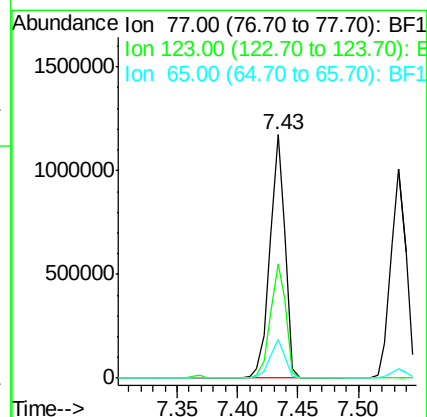
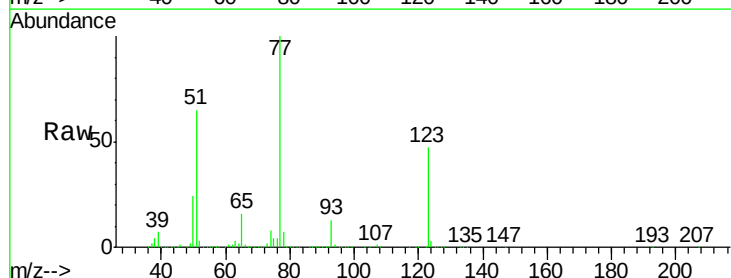
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

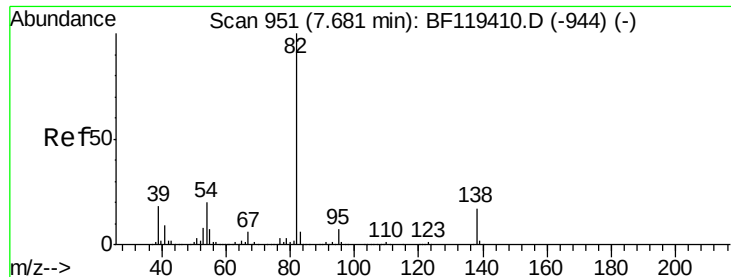
Tgt Ion: 82 Resp: 1927940
 Ion Ratio Lower Upper
 82 100
 128 46.3 35.8 53.8
 54 65.9 53.4 80.0



#24
 Nitrobenzene
 Concen: 44.97 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion: 77 Resp: 1016626
 Ion Ratio Lower Upper
 77 100
 123 47.1 36.9 55.3
 65 16.0 12.2 18.4





#25

Isophorone

Concen: 44.86 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

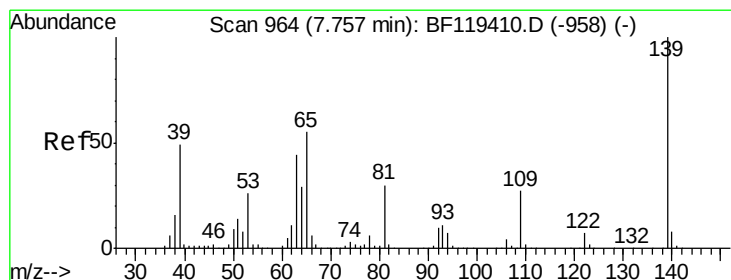
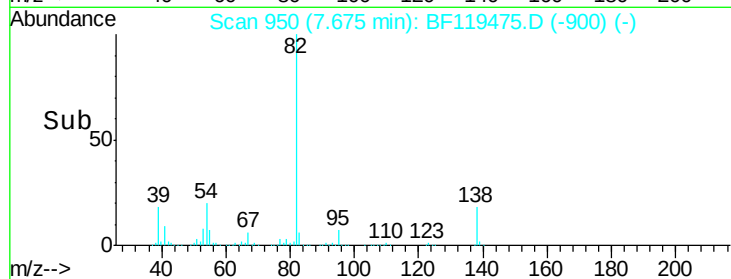
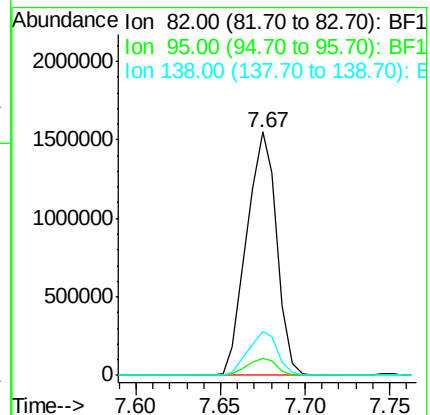
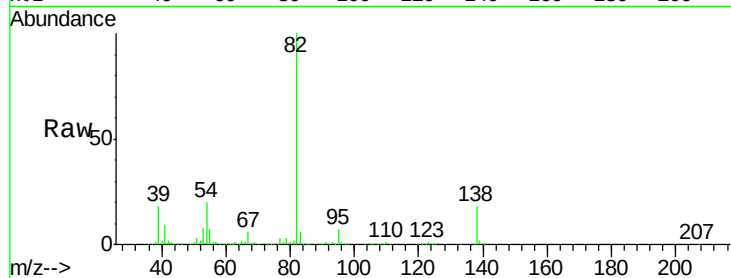
Tgt Ion: 82 Resp: 1924827

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

138 18.1 13.8 20.8



#26

2-Nitrophenol

Concen: 57.40 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

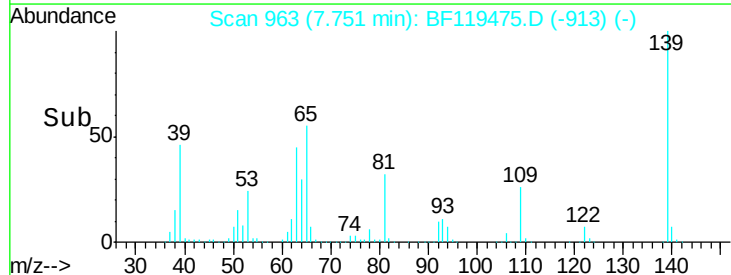
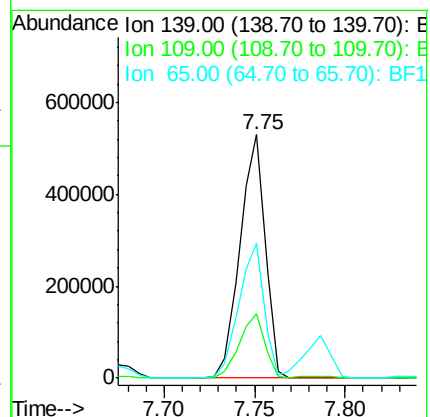
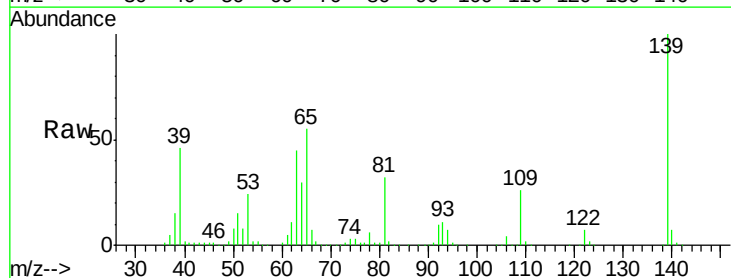
Tgt Ion: 139 Resp: 510978

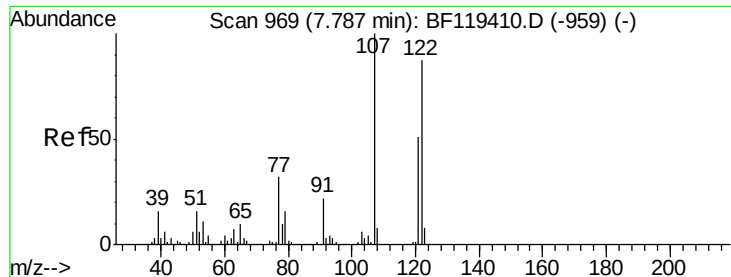
Ion Ratio Lower Upper

139 100

109 26.5 21.7 32.5

65 55.3 43.9 65.9





#27

2,4-Dimethylphenol

Concen: 49.24 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

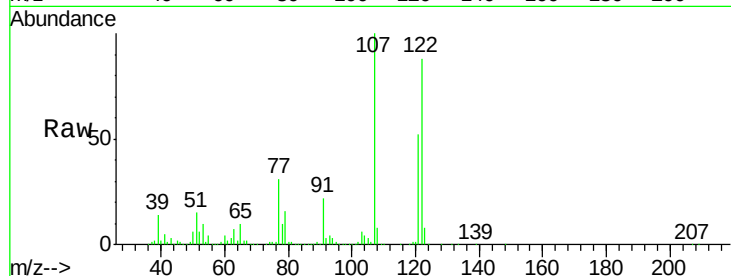
Tgt Ion:122 Resp: 906303

Ion Ratio Lower Upper

122 100

107 113.0 91.8 137.6

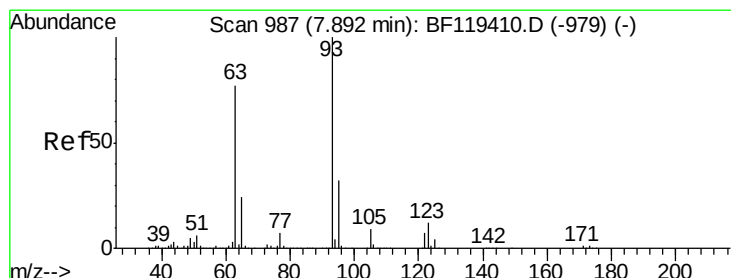
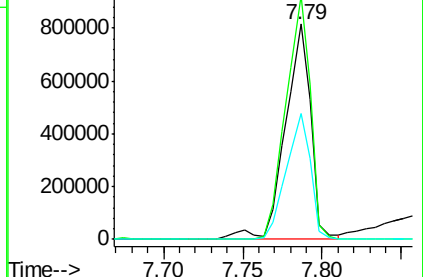
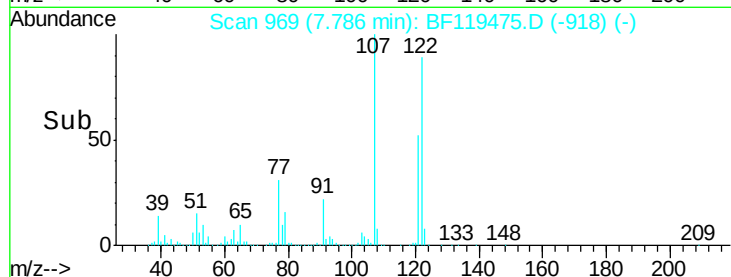
121 58.6 46.5 69.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.30 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

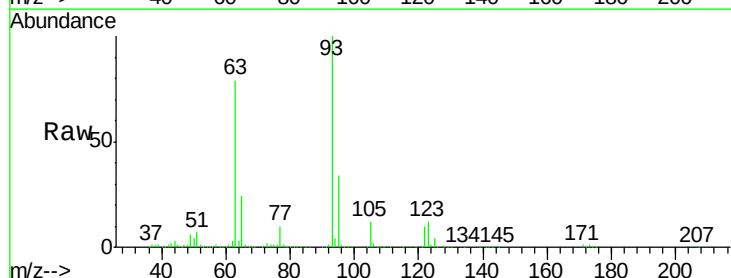
Tgt Ion: 93 Resp: 1200294

Ion Ratio Lower Upper

93 100

95 33.9 26.0 39.0

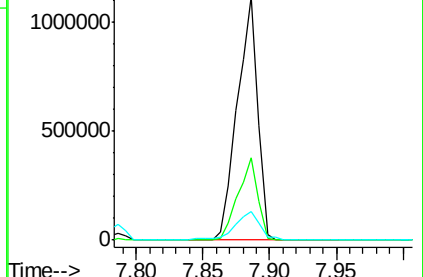
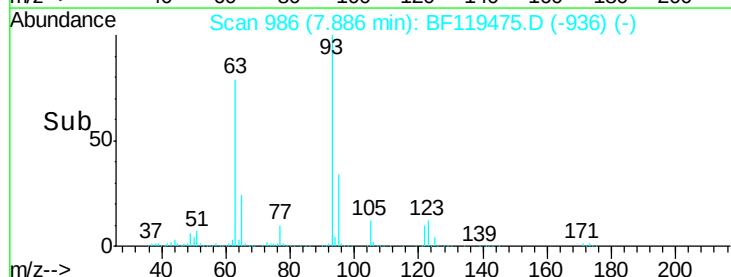
123 12.0 9.7 14.5

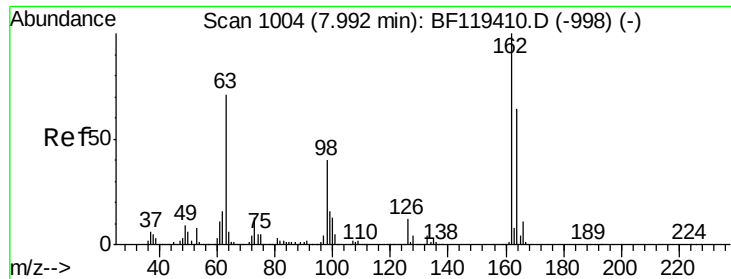


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

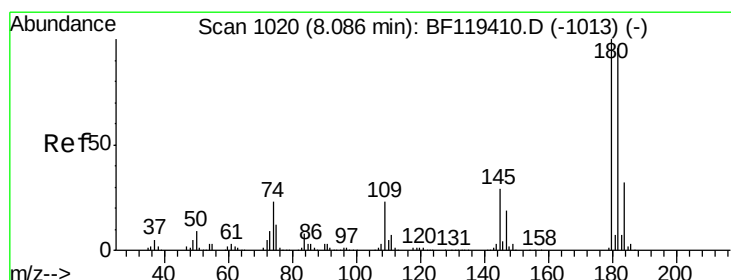
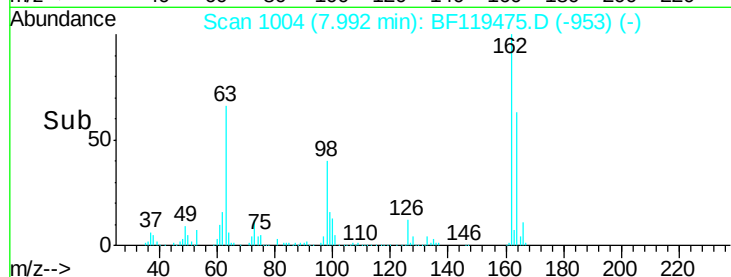
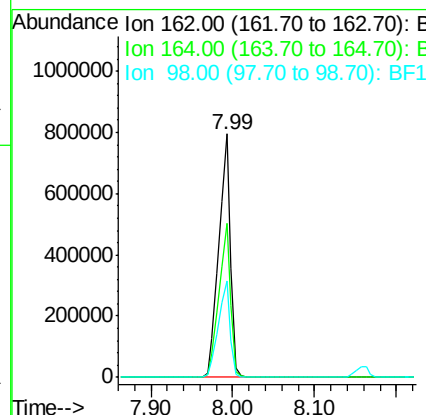
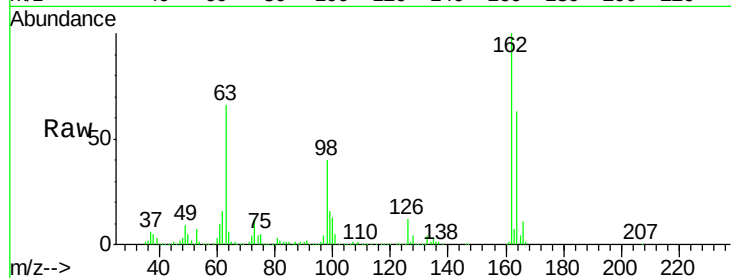




#29
 2,4-Dichlorophenol
 Concen: 47.37 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

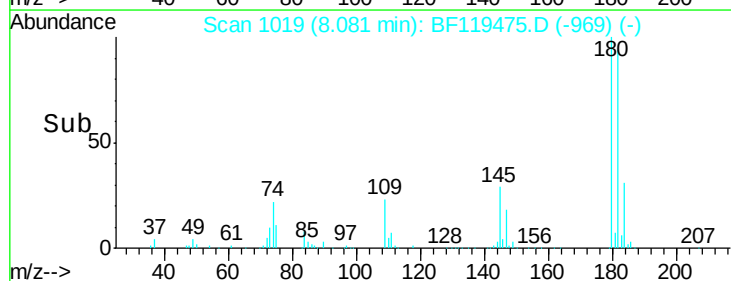
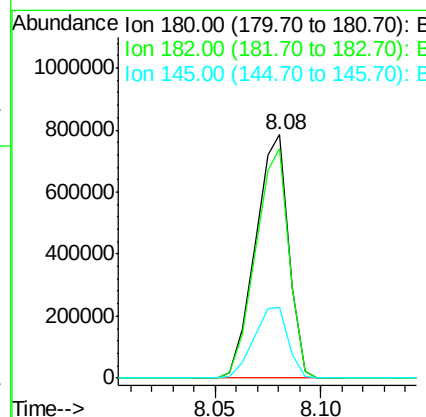
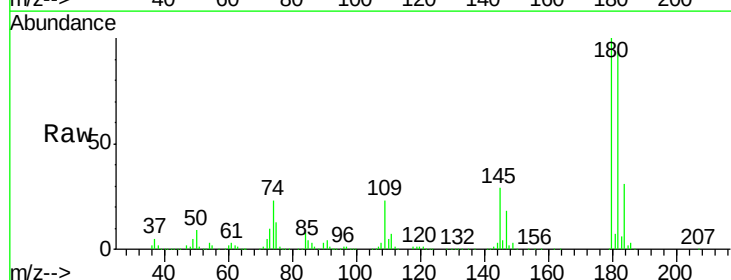
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

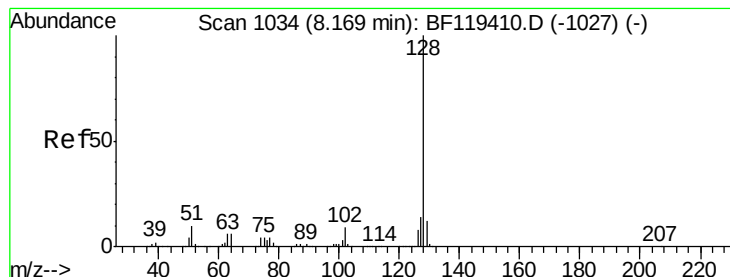
Tgt Ion:162 Resp: 801131
 Ion Ratio Lower Upper
 162 100
 164 63.1 43.6 83.6
 98 39.8 20.4 60.4



#30
 1,2,4-Trichlorobenzene
 Concen: 45.78 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion:180 Resp: 856147
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.6 115.0
 145 29.2 23.2 34.8





#31

Naphthalene

Concen: 45.71 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

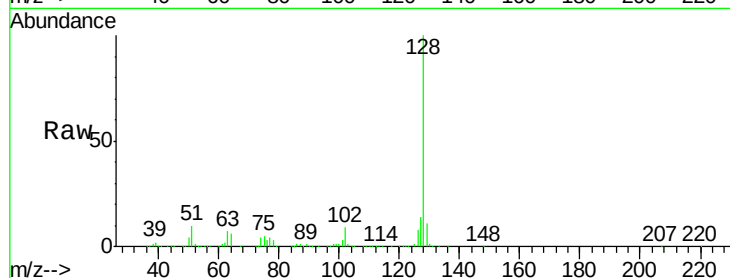
Tgt Ion:128 Resp: 2704589

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

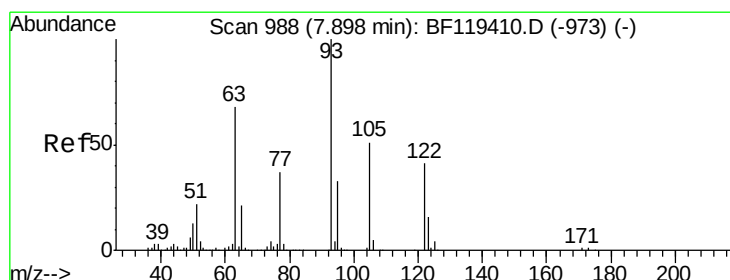
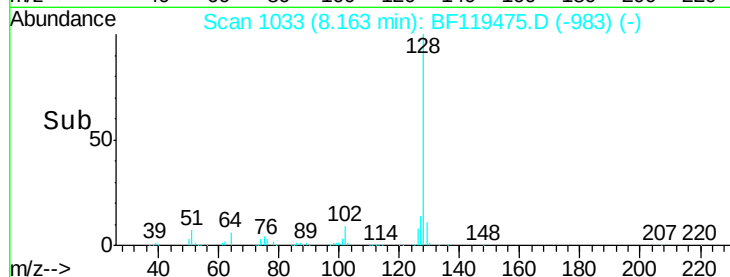
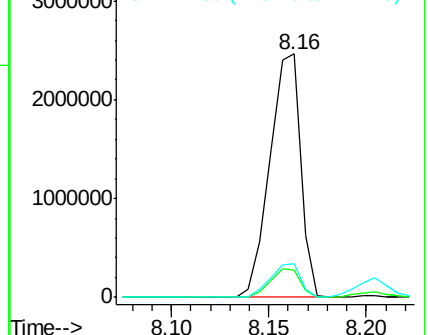
127 13.6 11.0 16.4



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: 45.34 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

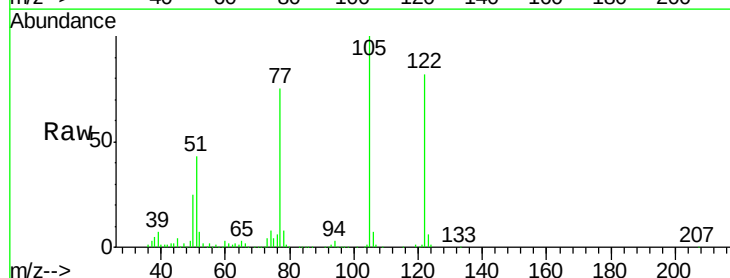
Tgt Ion:122 Resp: 536782

Ion Ratio Lower Upper

122 100

105 121.6 102.9 142.9

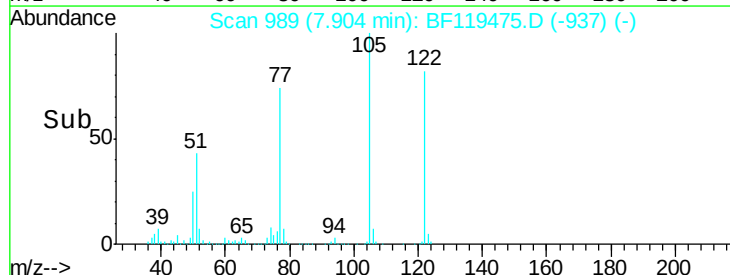
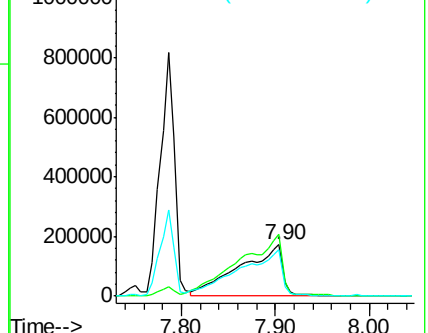
77 91.1 70.1 110.1

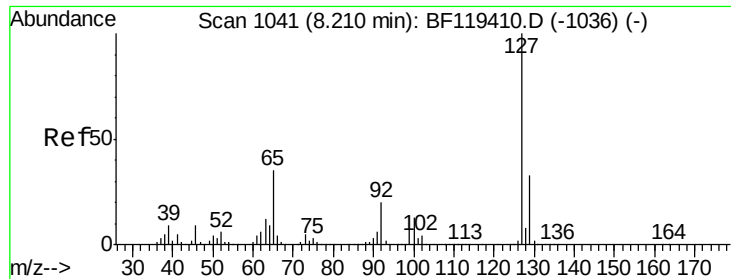


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

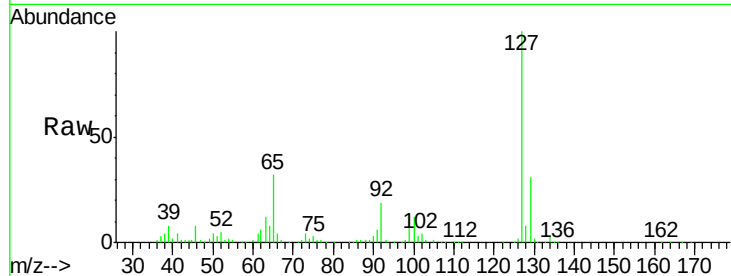




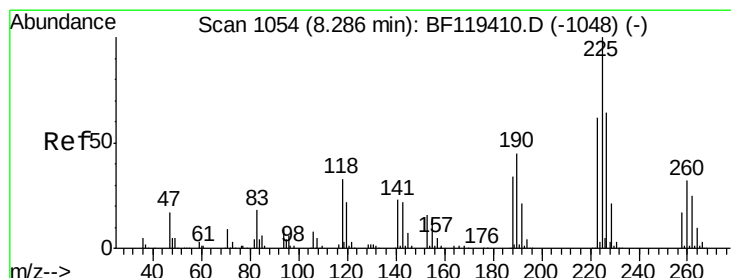
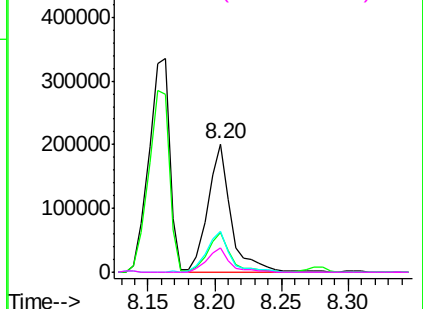
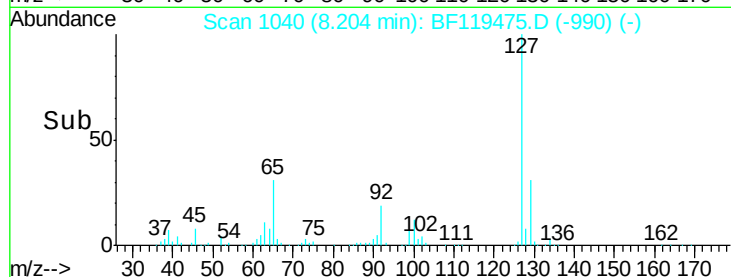
#33
4-Chloroaniline
Concen: 8.78 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tgt Ion:	127	Resp:	238093
Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.2	39.4
65	32.2	27.7	41.5
92	18.7	15.8	23.6

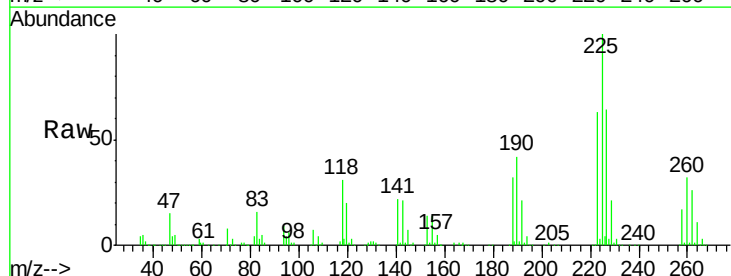


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

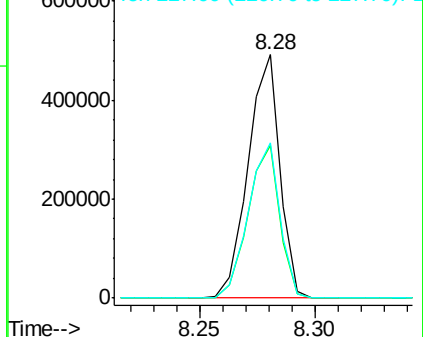
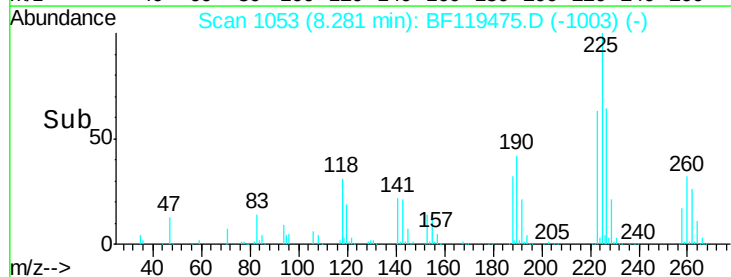


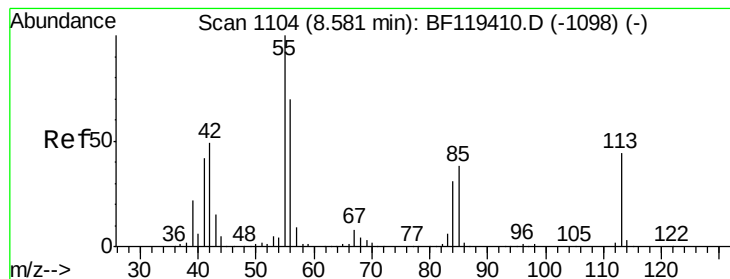
#34
Hexachlorobutadiene
Concen: 45.10 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:	225	Resp:	471977
Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.2	73.8
227	63.9	51.1	76.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 24.67 ng

RT: 8.57 min Scan# 1103

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

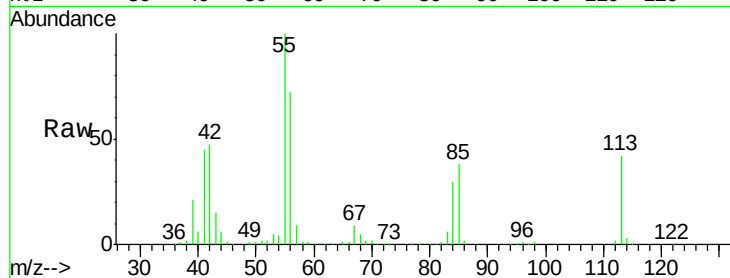
Tgt Ion:113 Resp: 136567

Ion Ratio Lower Upper

113 100

55 238.3 208.4 248.4

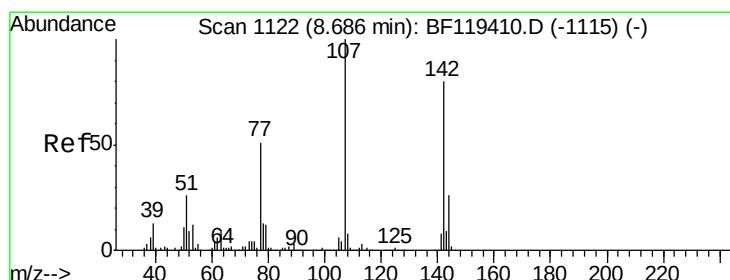
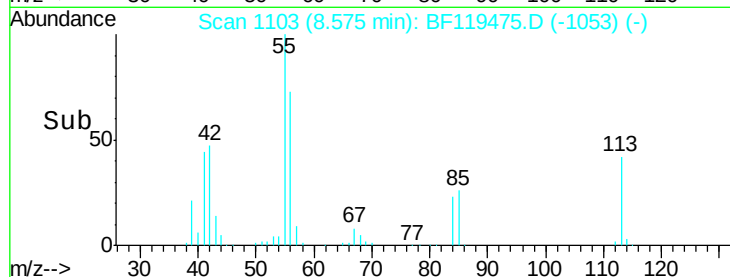
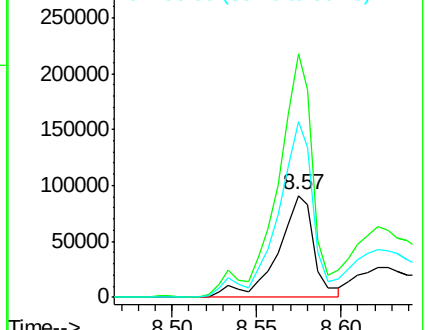
56 172.6 138.9 178.9



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: 47.31 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

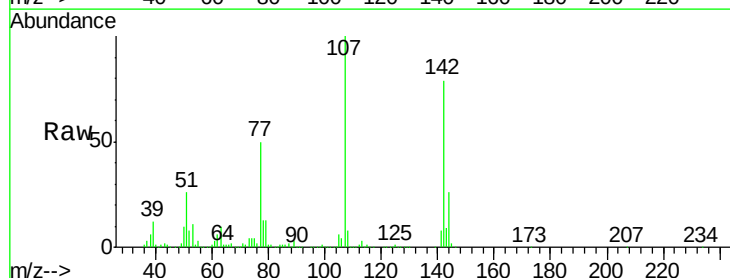
Tgt Ion:107 Resp: 874419

Ion Ratio Lower Upper

107 100

144 25.6 20.6 31.0

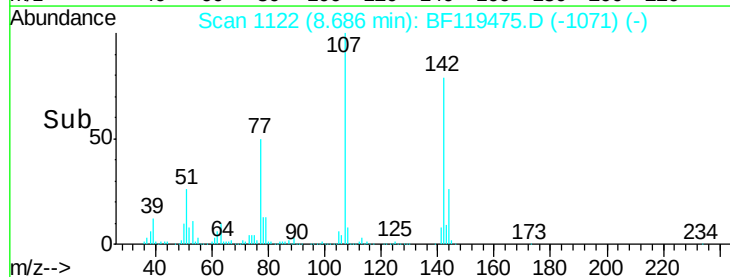
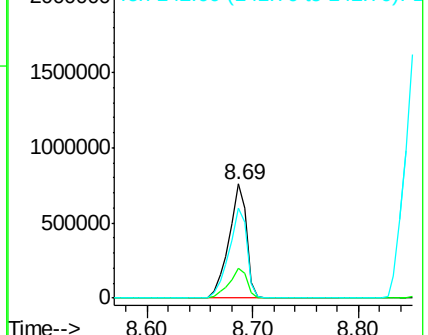
142 78.7 63.8 95.6

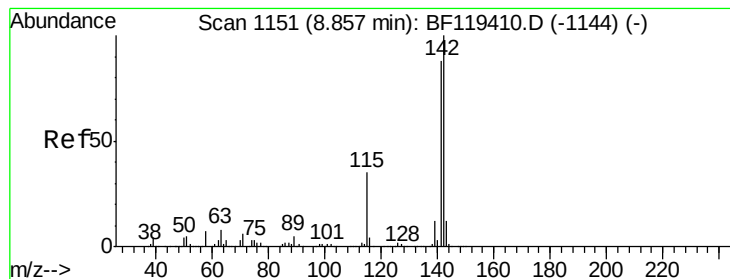


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 47.85 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

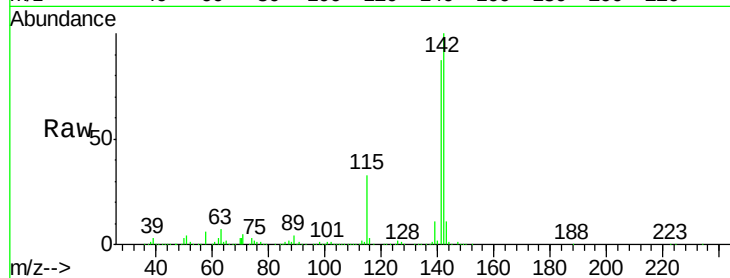
Tgt Ion:142 Resp: 1858012

Ion Ratio Lower Upper

142 100

141 86.7 70.4 105.6

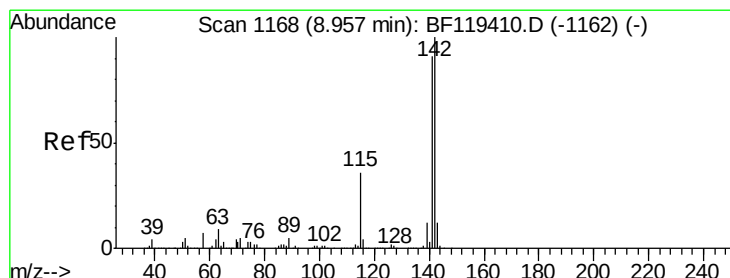
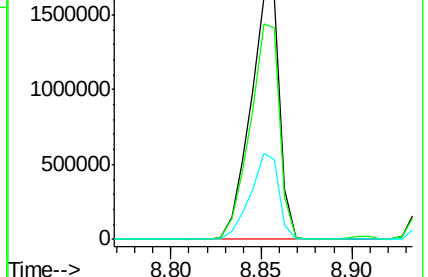
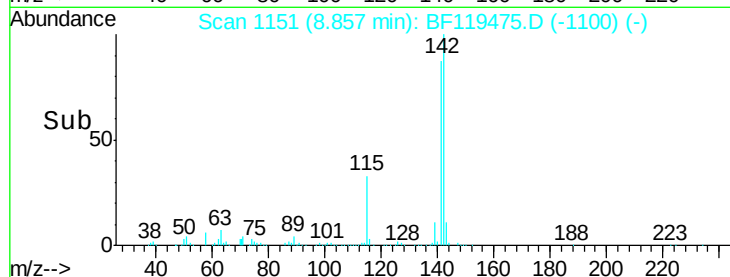
115 32.6 27.8 41.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 47.22 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

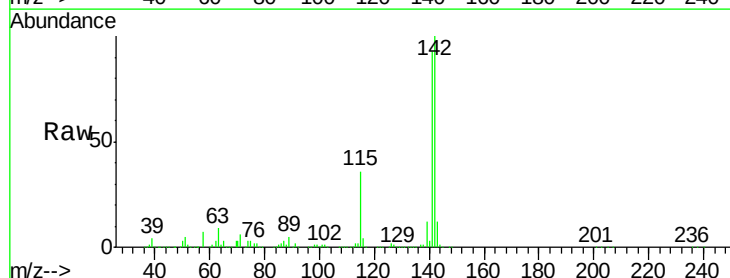
Tgt Ion:142 Resp: 1735575

Ion Ratio Lower Upper

142 100

141 92.9 73.1 109.7

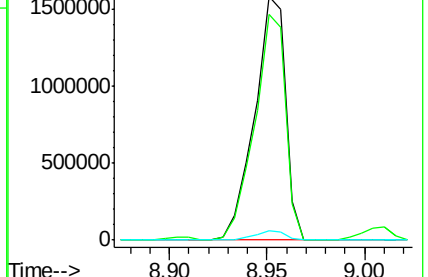
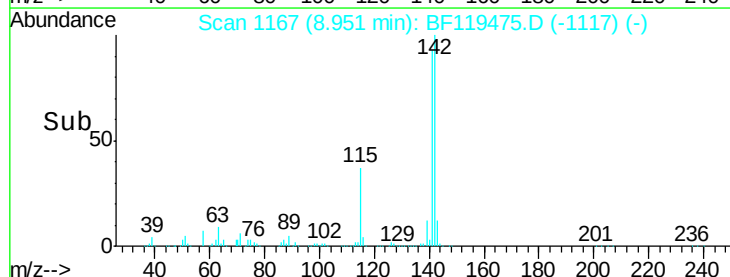
116 3.8 3.0 4.6

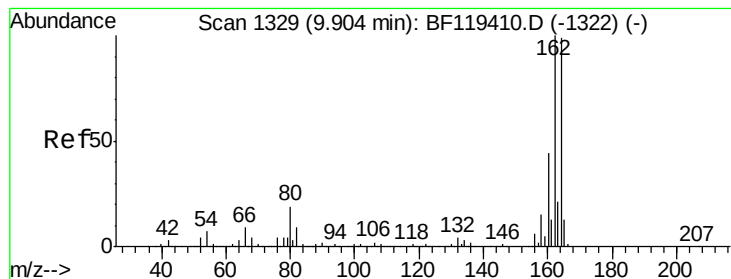


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

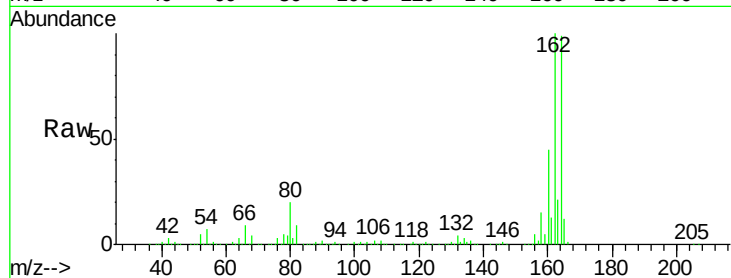
Tgt Ion:164 Resp: 604628

Ion Ratio Lower Upper

164 100

162 100.5 80.7 121.1

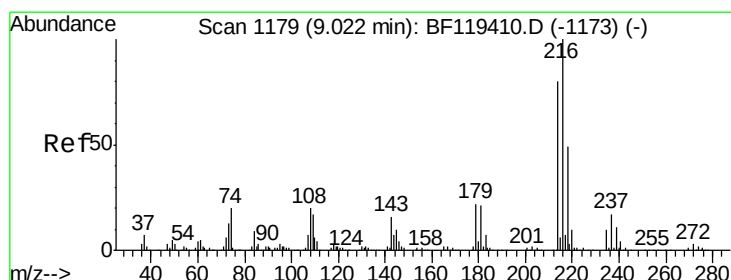
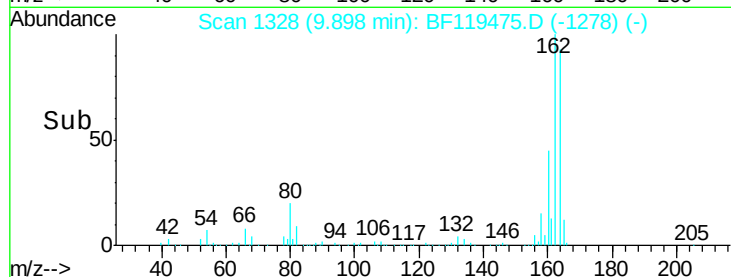
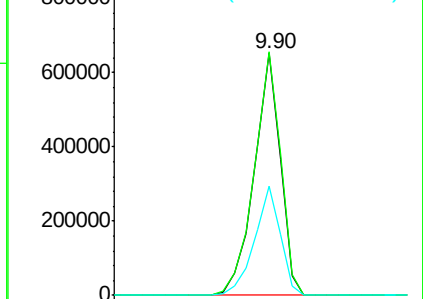
160 45.4 35.5 53.3



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: 44.54 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Tgt Ion:216 Resp: 789267

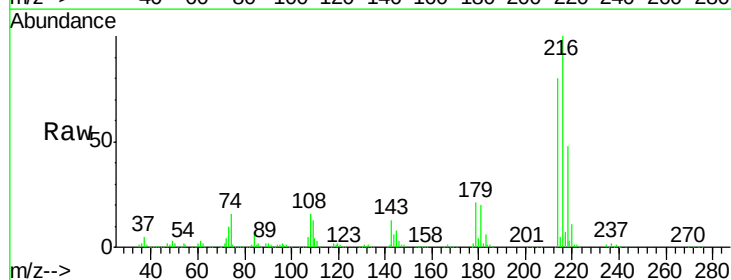
Ion Ratio Lower Upper

216 100

214 80.0 63.0 94.6

179 21.2 17.0 25.4

108 20.0 15.4 23.0

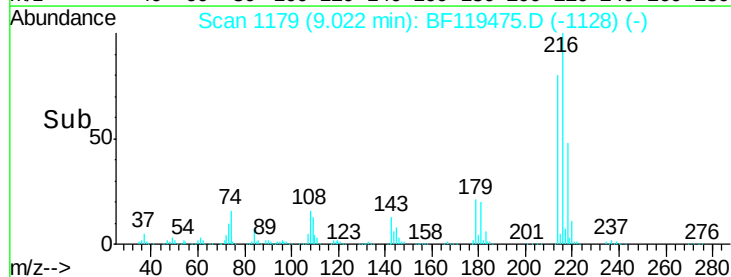
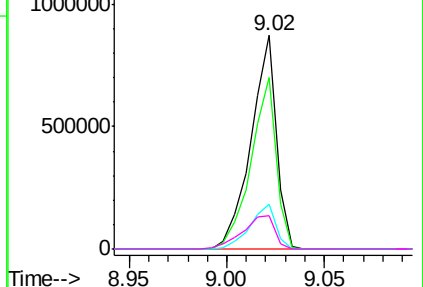


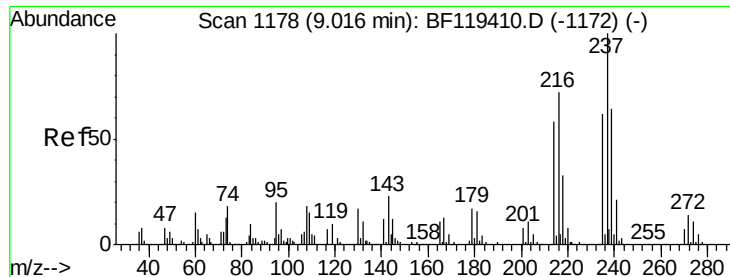
Abundance Ion 216.00 (215.70 to 216.70): E

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: 70.02 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

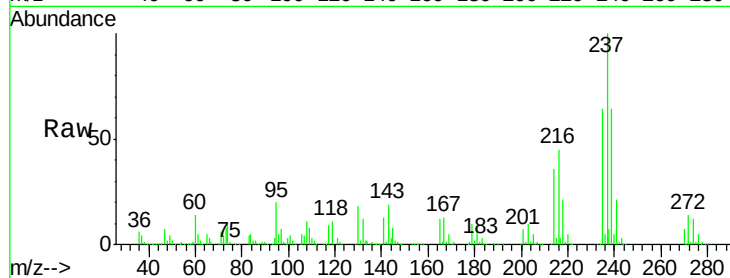
Tgt Ion:237 Resp: 705422

Ion Ratio Lower Upper

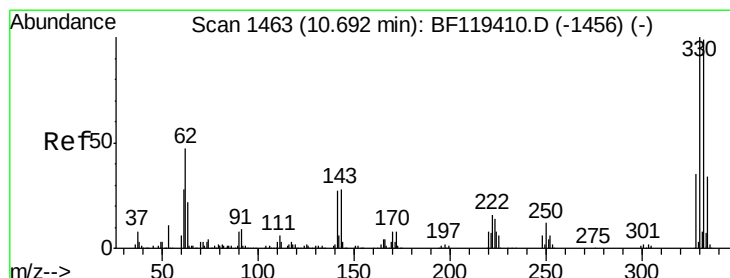
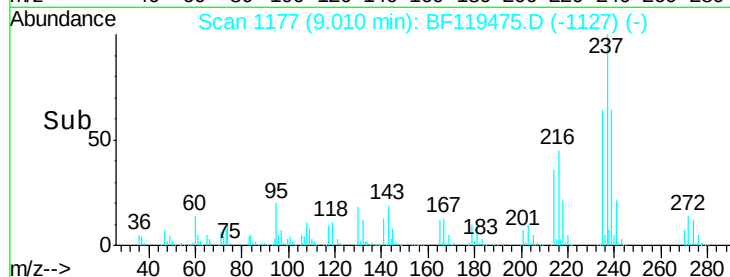
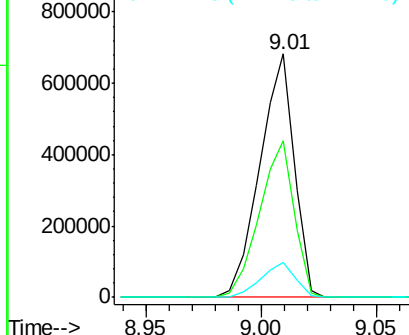
237 100

235 64.2 42.5 82.5

272 14.2 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: 137.66 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

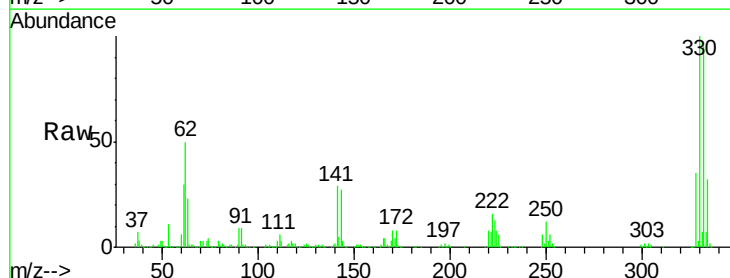
Tgt Ion:330 Resp: 858676

Ion Ratio Lower Upper

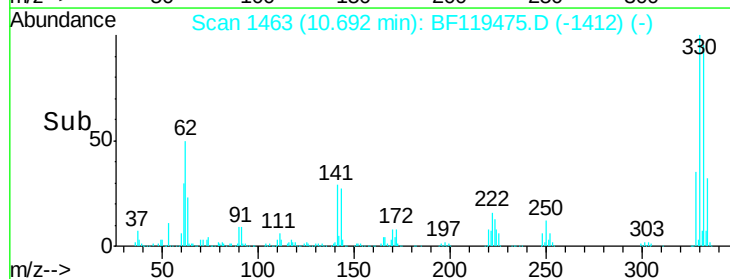
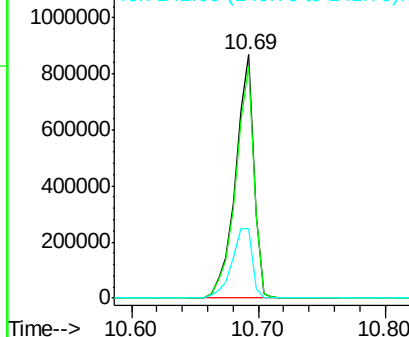
330 100

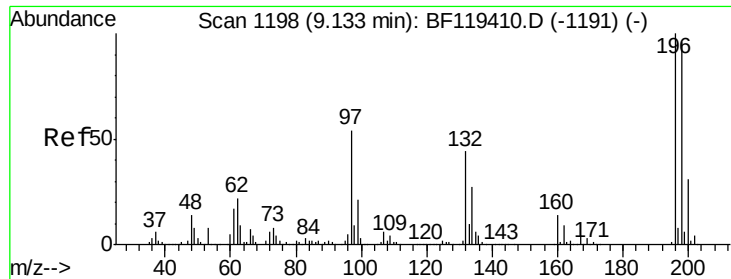
332 95.6 77.6 116.4

141 32.3 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

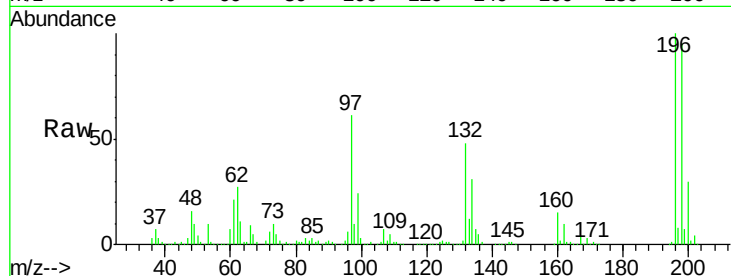




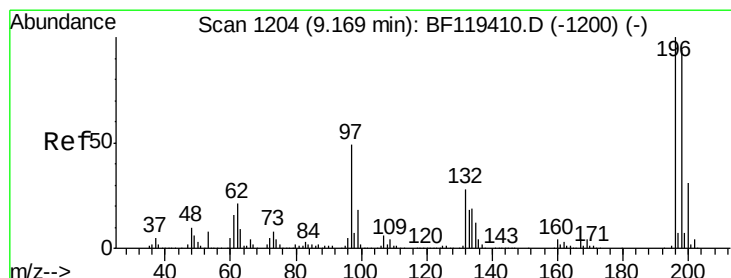
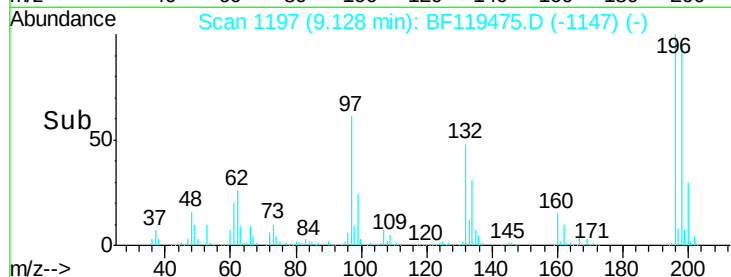
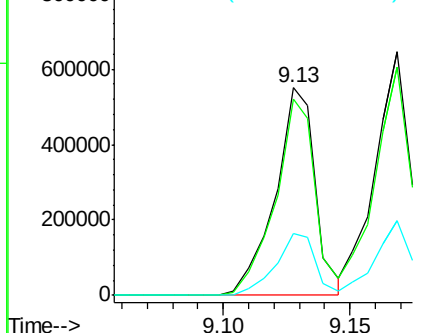
#43
 2,4,6-Trichlorophenol
 Concen: 47.93 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tgt Ion:	196	Resp:	607859
Ion	Ratio	Lower	Upper
196	100		
198	94.5	77.0	115.4
200	30.0	25.1	37.7

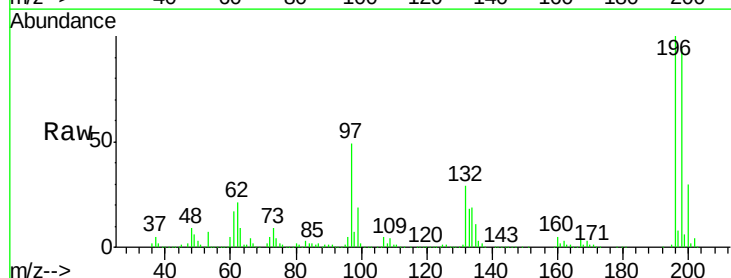


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

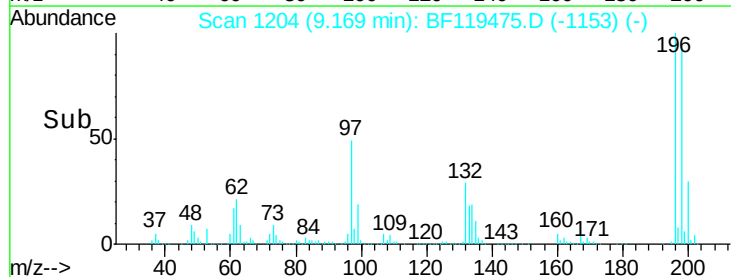
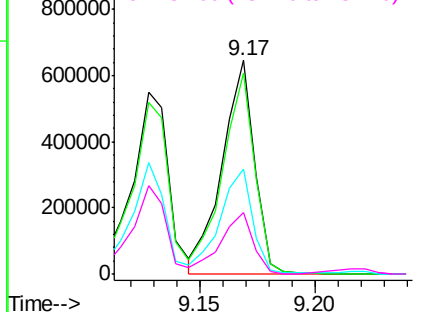


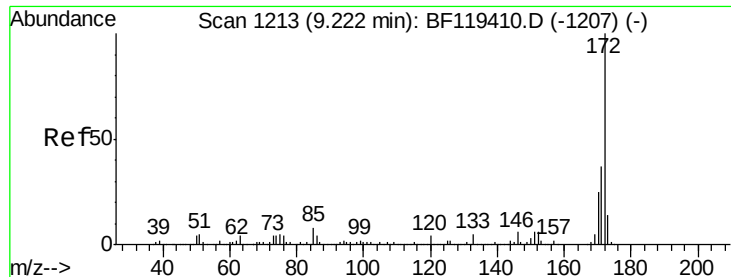
#44
 2,4,5-Trichlorophenol
 Concen: 43.93 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion:	196	Resp:	624065
Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.3	112.9
97	49.1	39.0	58.4
132	28.9	22.9	34.3



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

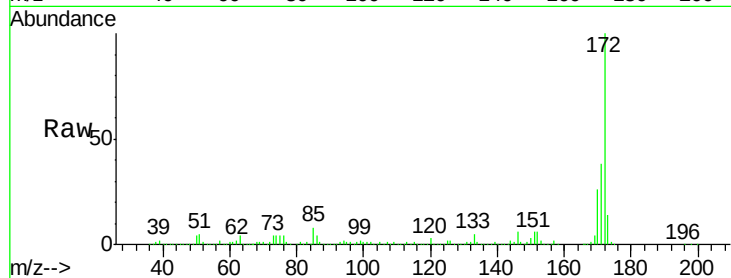




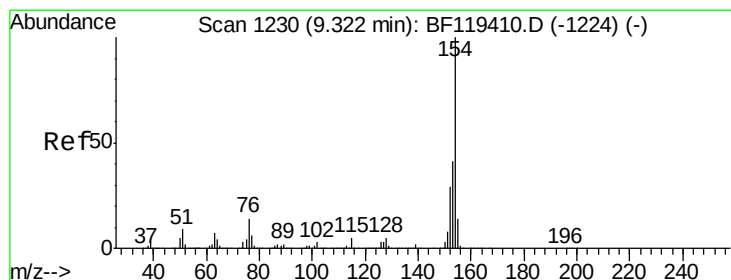
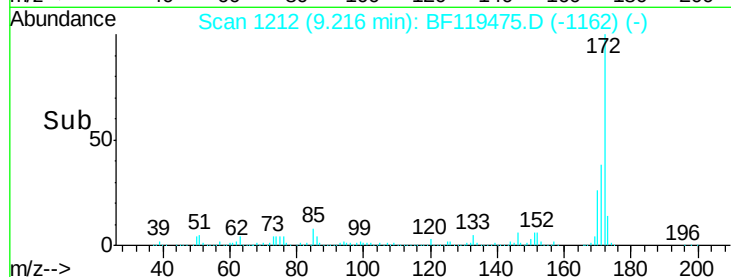
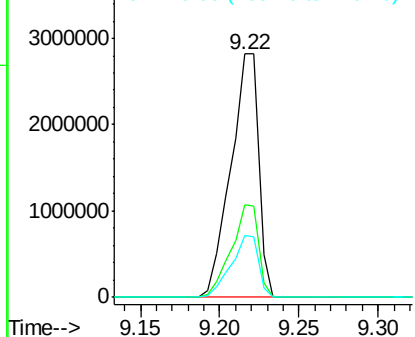
#45
 2-Fluorobiphenyl
 Concen: 84.30 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tgt Ion:172 Resp: 3440415
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.9 44.9
 170 25.5 20.1 30.1

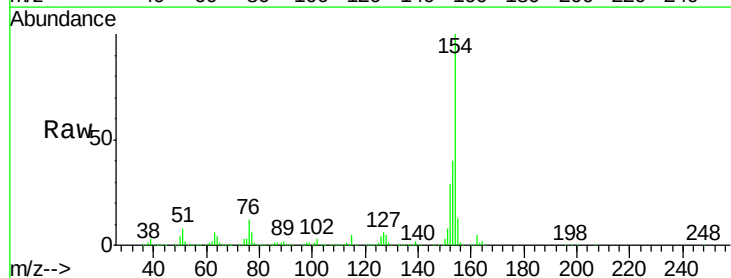


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

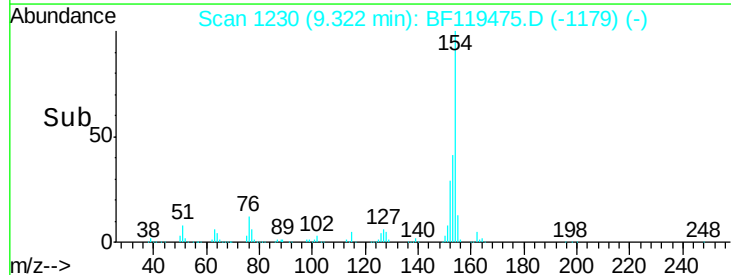
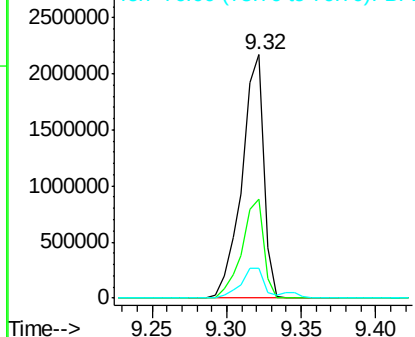


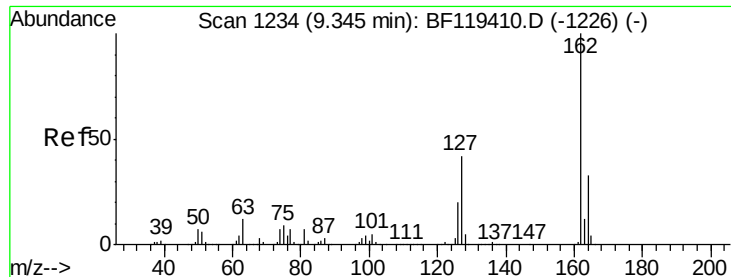
#46
 1,1'-Biphenyl
 Concen: 44.83 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion:154 Resp: 2207413
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.4 61.4
 76 12.1 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

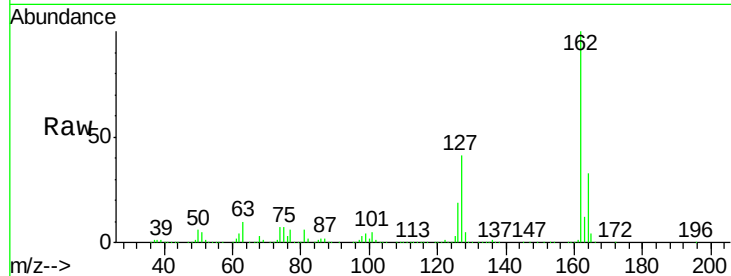




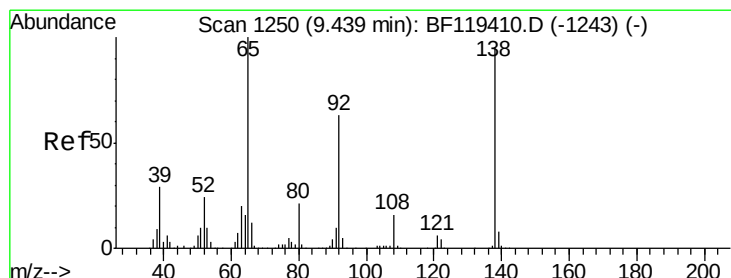
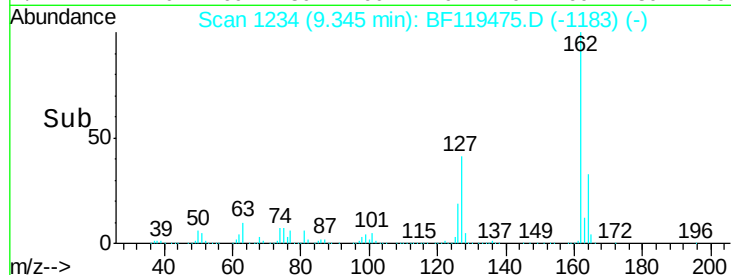
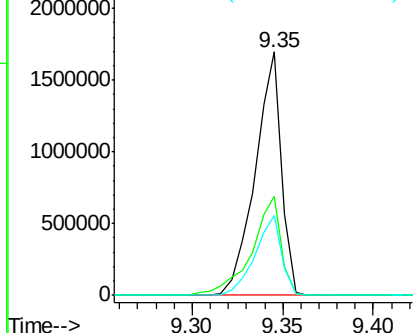
#47
 2-Chloronaphthalene
 Concen: 44.25 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tgt Ion:162 Resp: 1706710
 Ion Ratio Lower Upper
 162 100
 127 40.7 33.7 50.5
 164 33.0 26.2 39.4

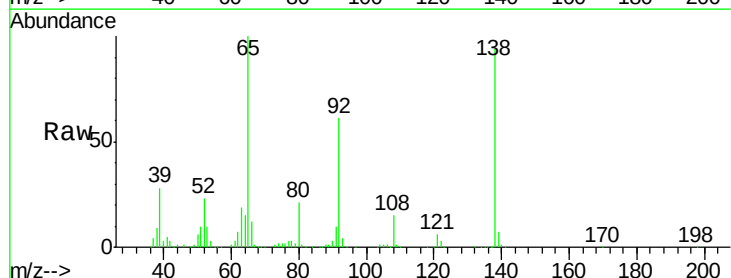


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

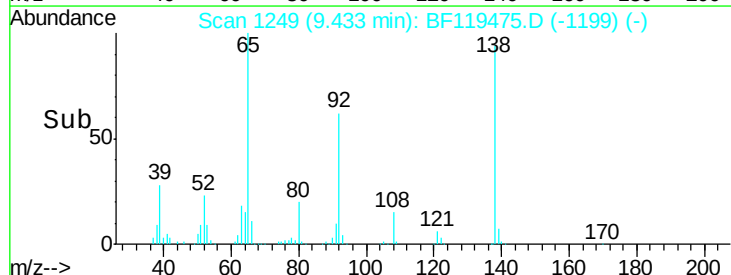
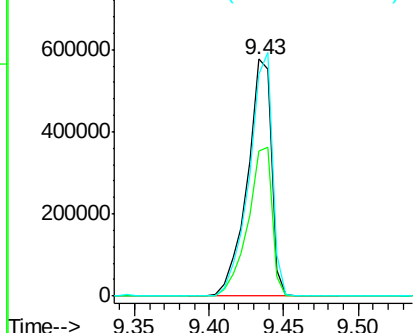


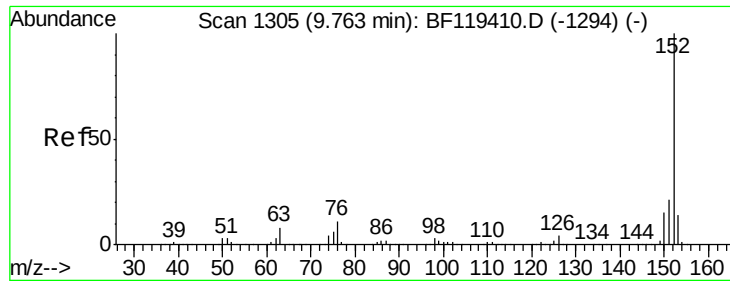
#48
 2-Nitroaniline
 Concen: 48.50 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion: 65 Resp: 645676
 Ion Ratio Lower Upper
 65 100
 92 61.4 50.5 75.7
 138 93.6 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: 44.82 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

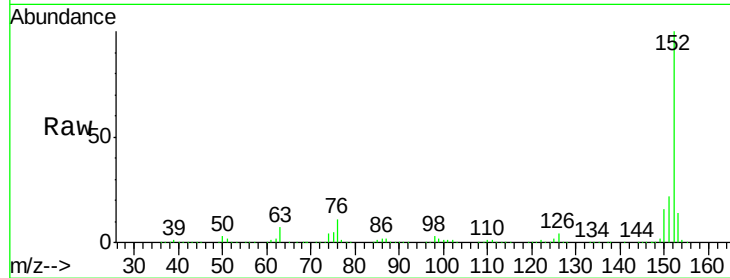
Tgt Ion:152 Resp: 2715123

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

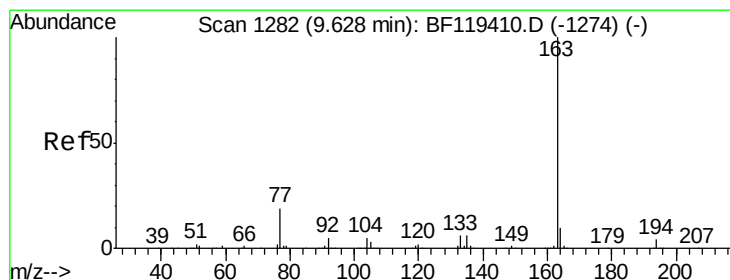
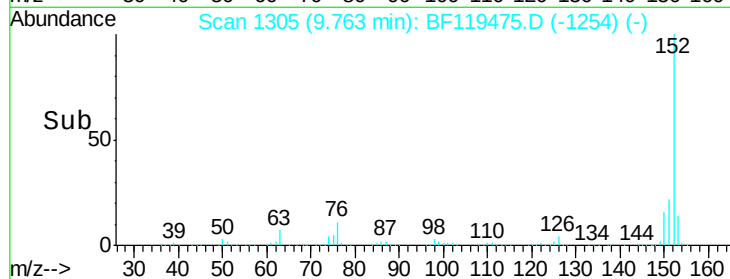
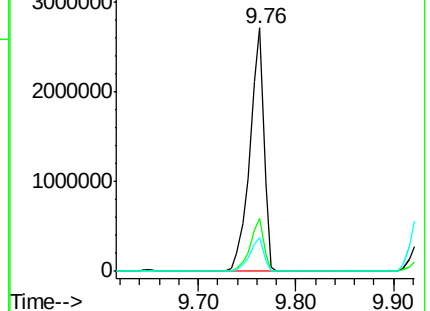
153 14.0 11.2 16.8



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: 53.46 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

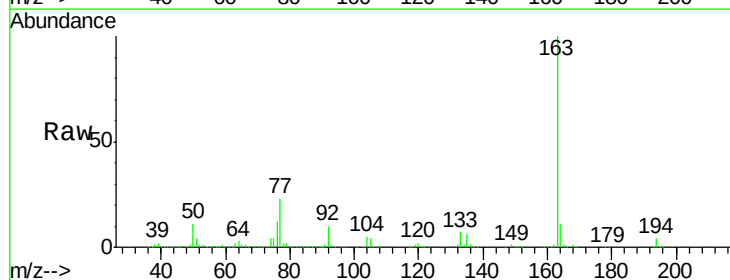
Tgt Ion:163 Resp: 2295974

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

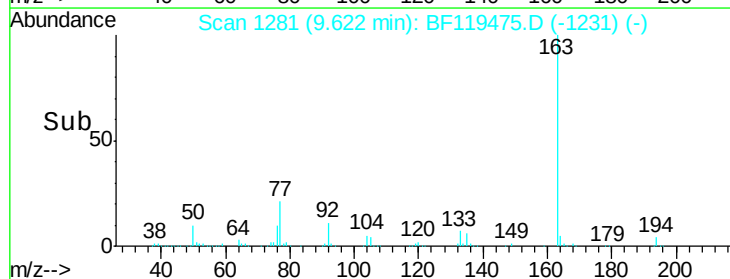
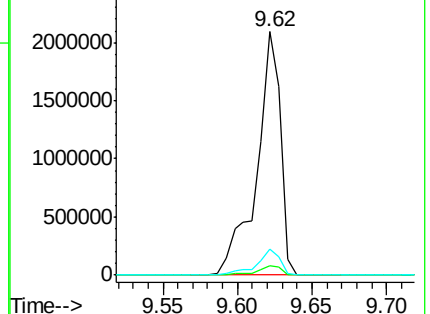
164 10.8 8.1 12.1

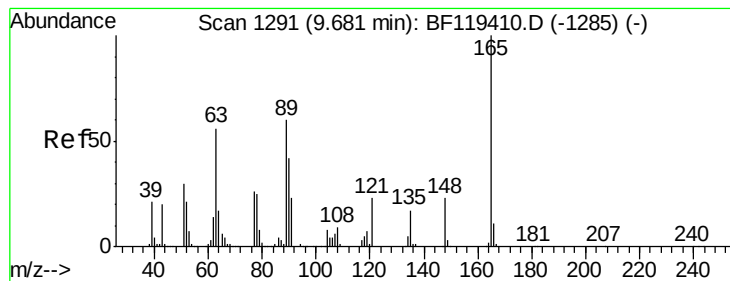


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 50.08 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

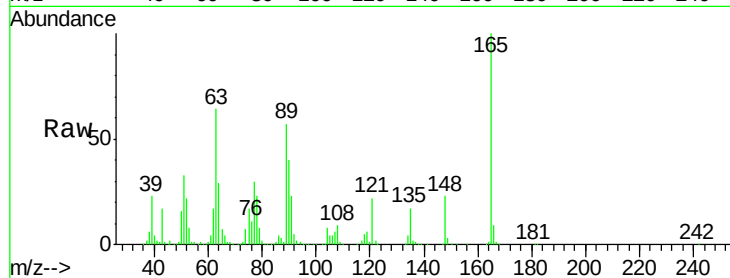
Tgt Ion:165 Resp: 461019

Ion Ratio Lower Upper

165 100

63 63.9 57.3 85.9

89 56.7 47.8 71.8

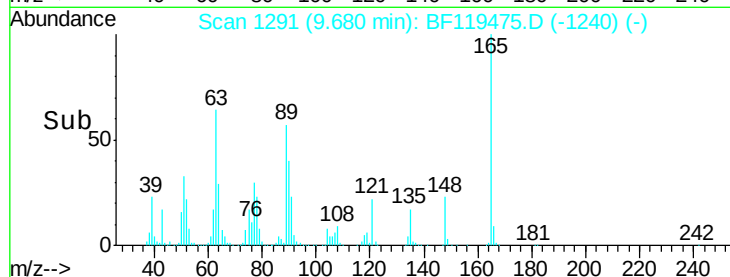


Abundance Ion 165.00 (164.70 to 165.70): E

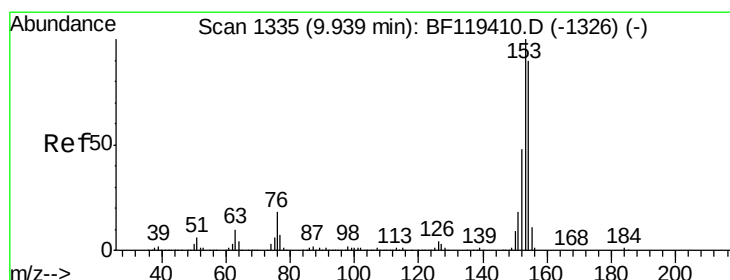
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Time-->



Time-->



#52

Acenaphthene

Concen: 47.93 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

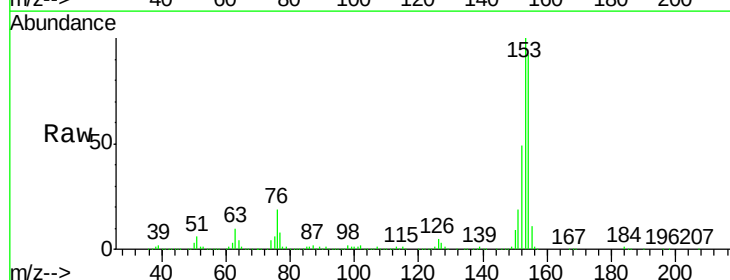
Tgt Ion:154 Resp: 1810033

Ion Ratio Lower Upper

154 100

153 108.3 89.0 133.6

152 53.0 43.1 64.7

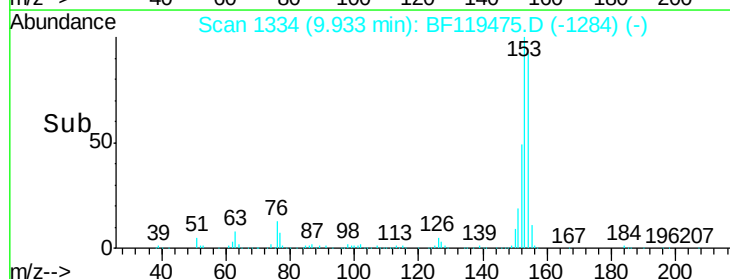


Abundance Ion 154.00 (153.70 to 154.70): E

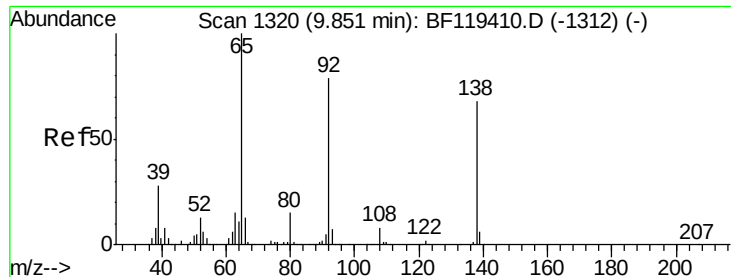
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



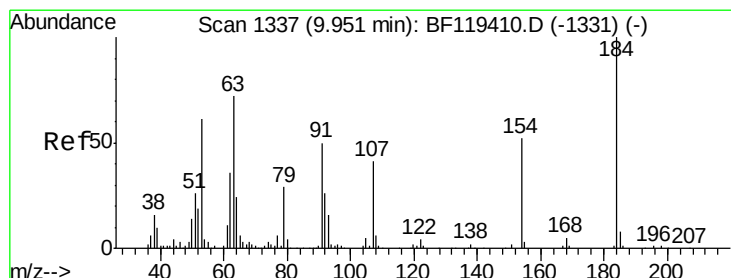
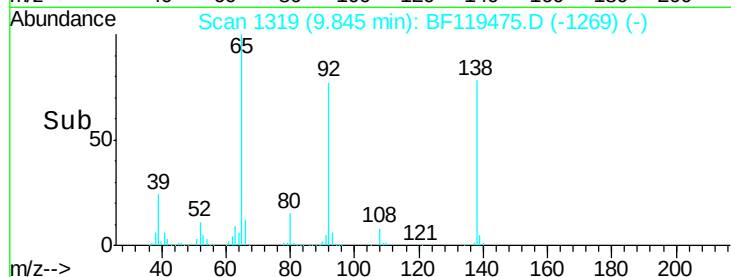
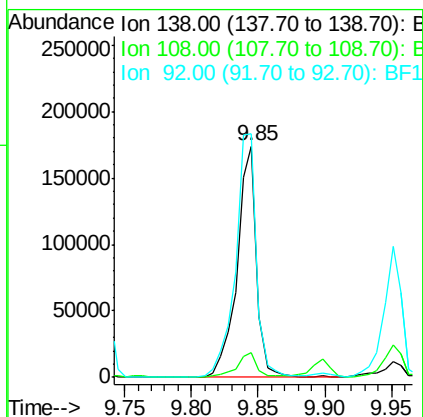
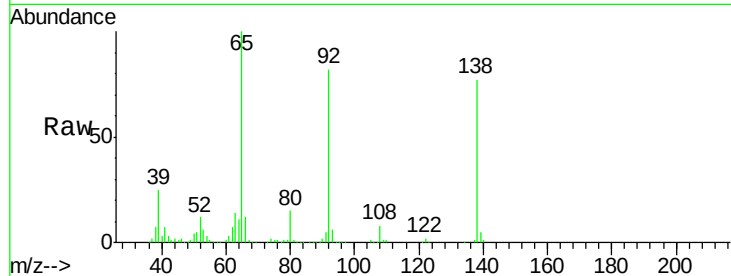
Time-->



#53
3-Nitroaniline
Concen: 15.38 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

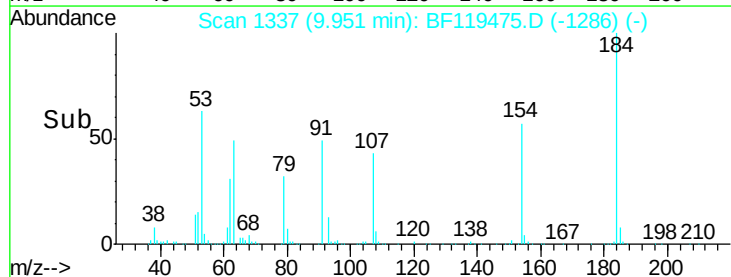
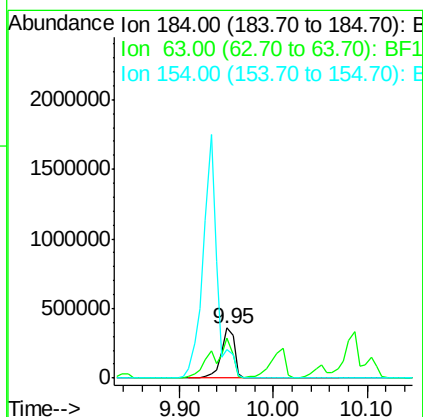
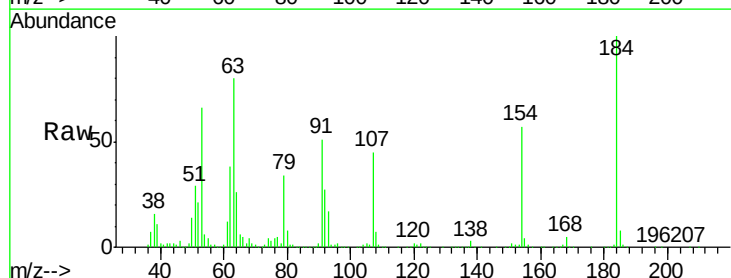
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

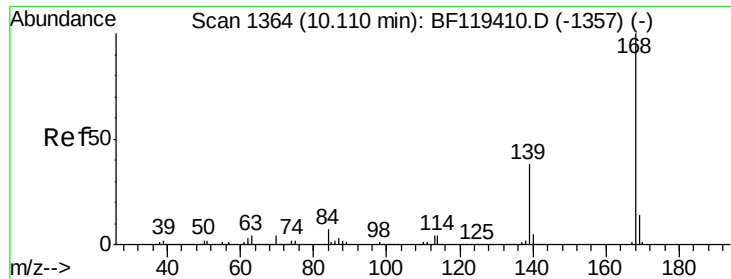
Tgt Ion:138 Resp: 178731
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 105.5 93.2 139.8



#54
2,4-Dinitrophenol
Concen: 87.96 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:184 Resp: 353522
Ion Ratio Lower Upper
184 100
63 80.2 58.5 87.7
154 57.3 51.8 77.6

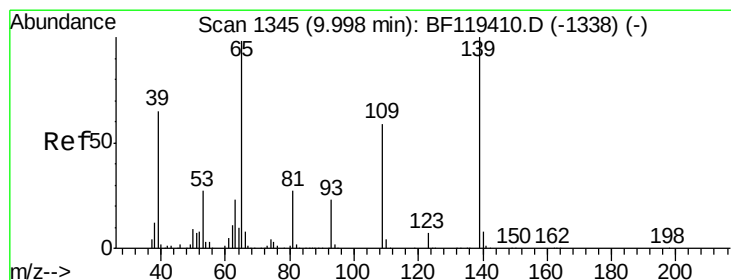
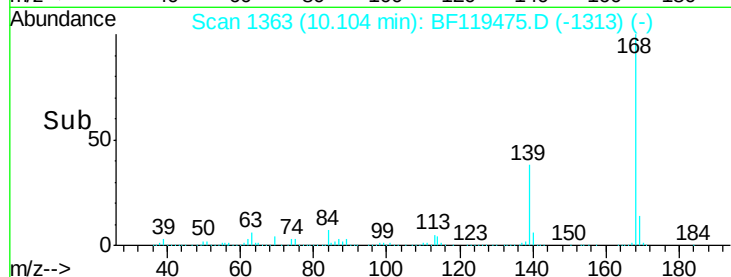
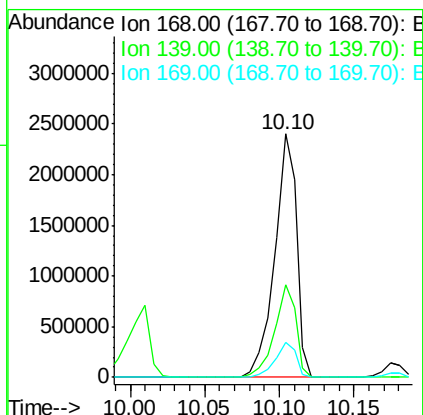
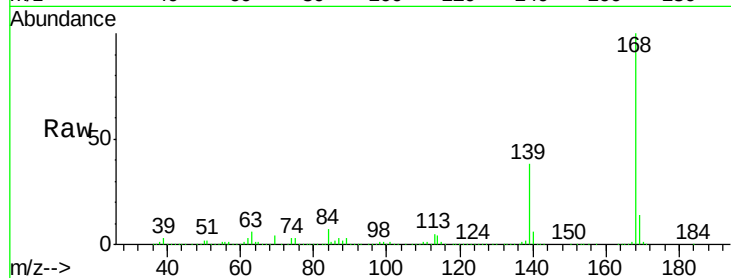




#55
Dibenzenofuran
Concen: 45.19 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

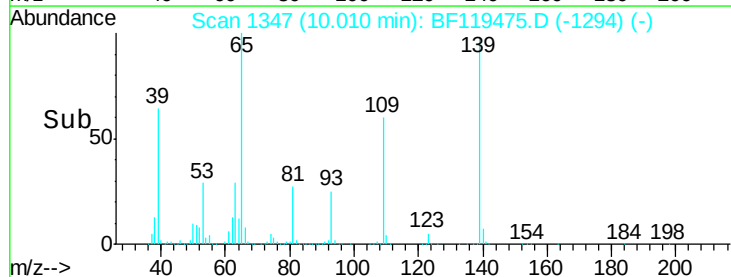
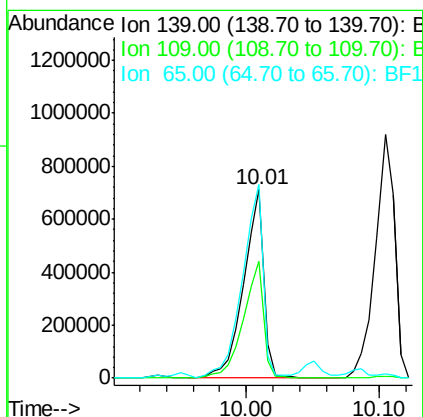
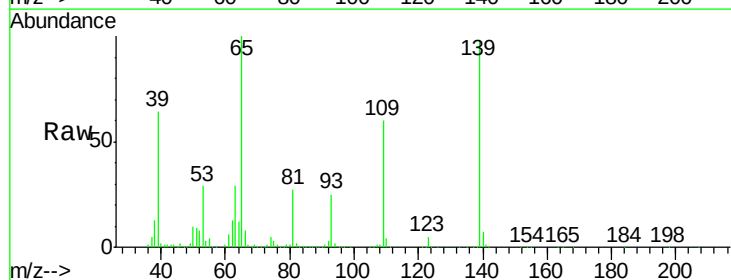
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

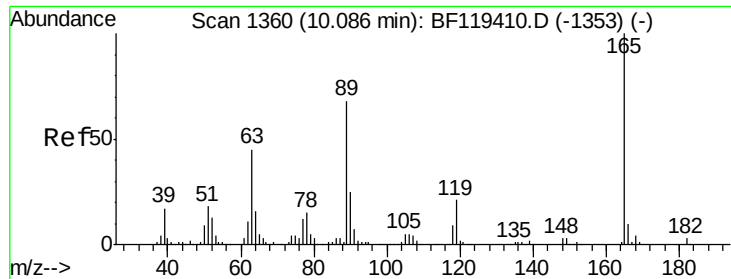
Tgt Ion:168 Resp: 2446733
Ion Ratio Lower Upper
168 100
139 38.3 30.2 45.4
169 14.2 11.1 16.7



#56
4-Nitrophenol
Concen: 80.61 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:139 Resp: 739069
Ion Ratio Lower Upper
139 100
109 62.0 39.6 79.6
65 102.5 78.3 118.3

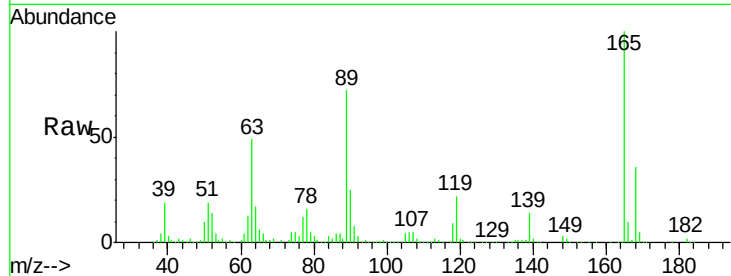




#57
2,4-Dinitrotoluene
Concen: 53.01 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.3	36.2	54.4
89	71.7	54.3	81.5
182	2.5	2.0	3.0

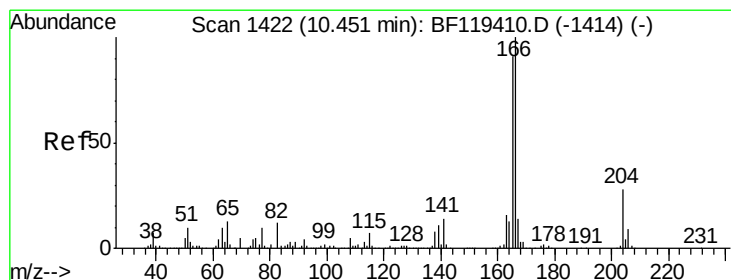
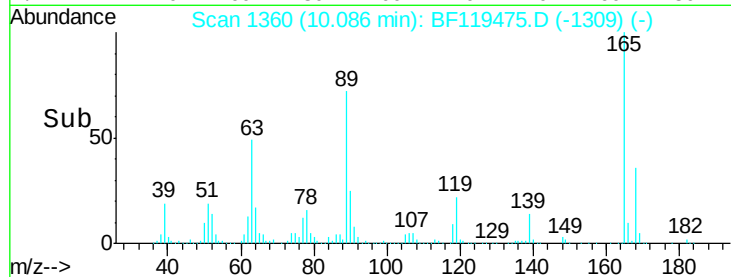
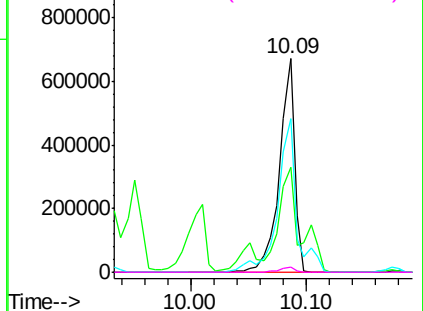


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

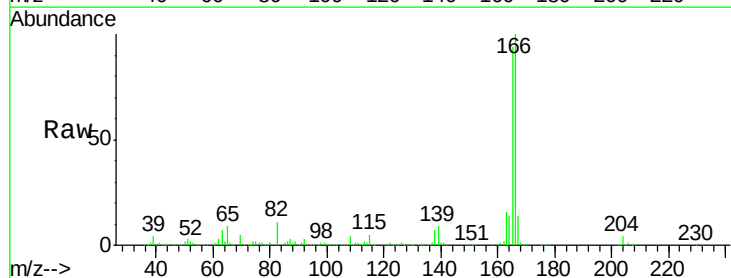
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 46.02 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

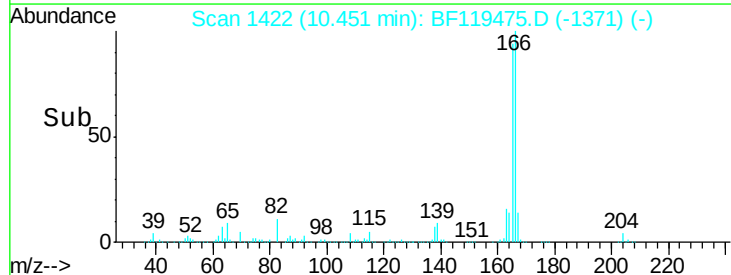
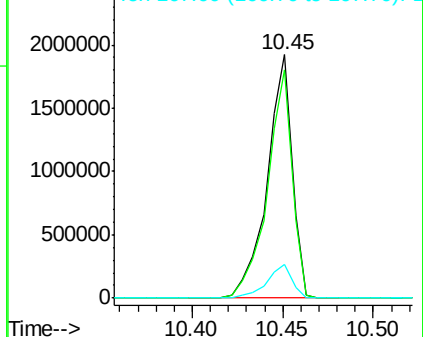
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.7	73.1	109.7
167	13.6	11.0	16.6

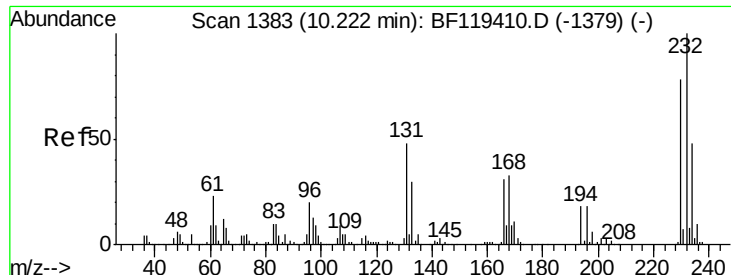


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

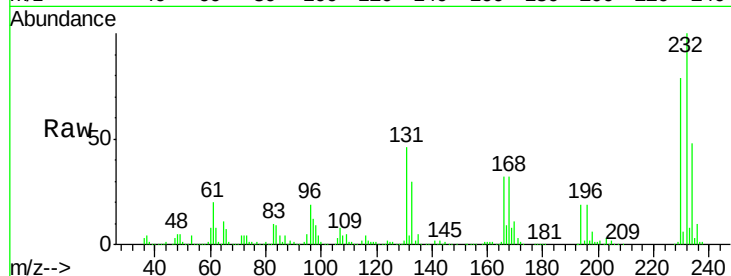




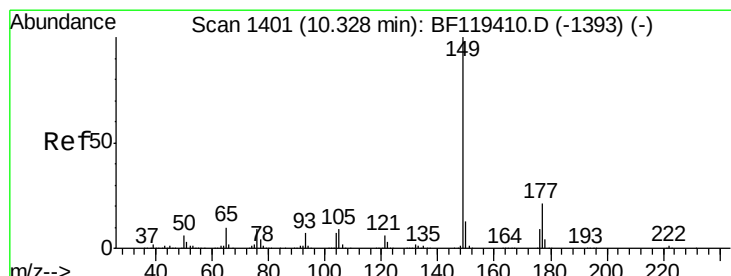
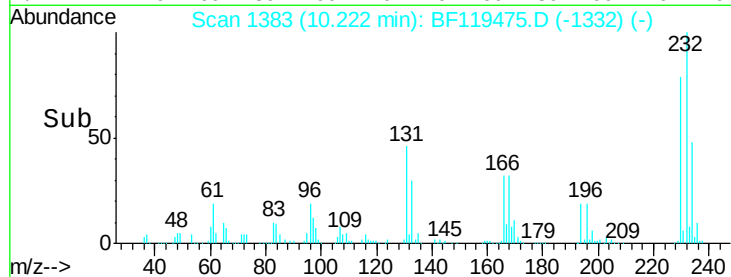
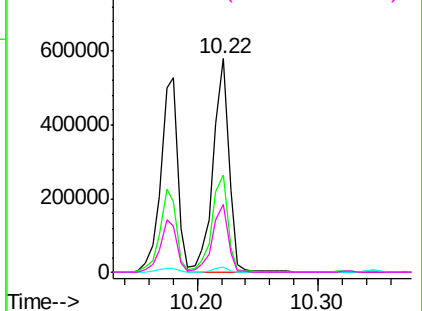
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.05 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

Tgt Ion: 232 Resp: 520892
 Ion Ratio Lower Upper
 232 100
 131 46.2 36.3 54.5
 130 2.2 1.8 2.6
 166 31.3 24.9 37.3

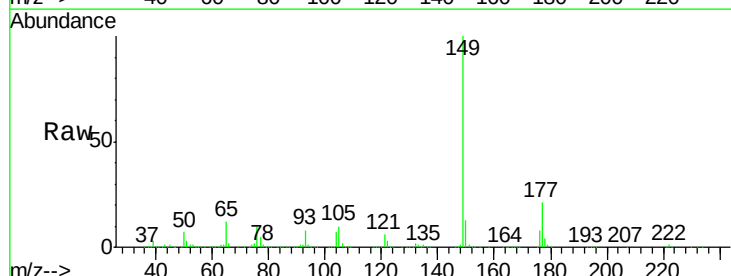


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

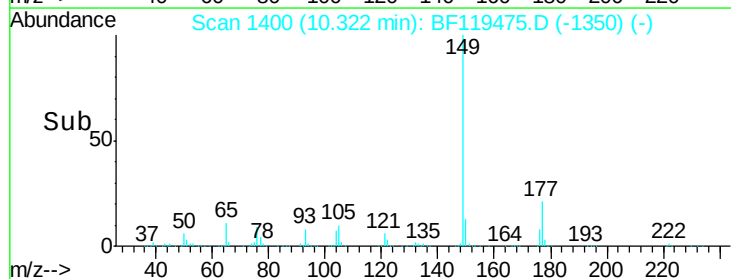
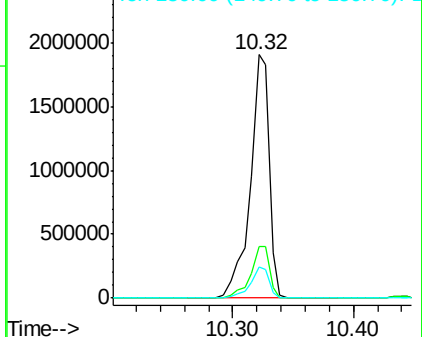


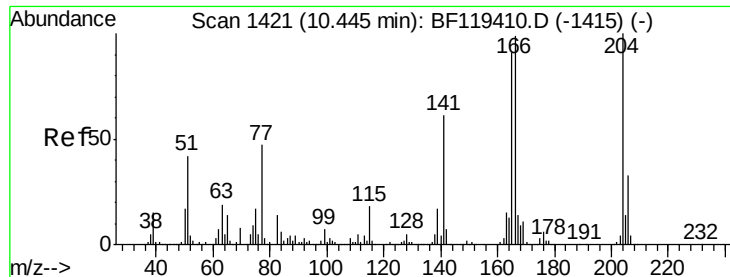
#60
 Diethylphthalate
 Concen: 47.83 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion: 149 Resp: 2084897
 Ion Ratio Lower Upper
 149 100
 177 21.0 17.0 25.6
 150 13.0 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

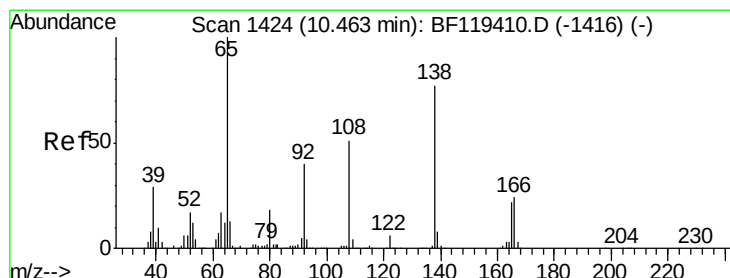
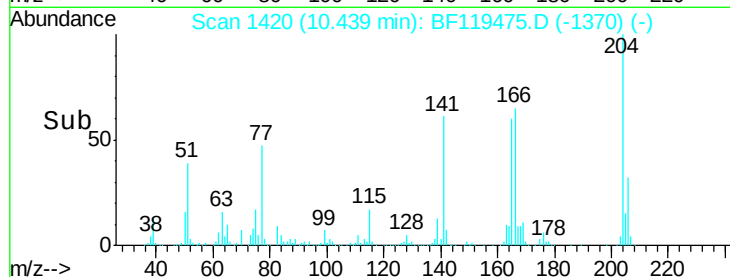
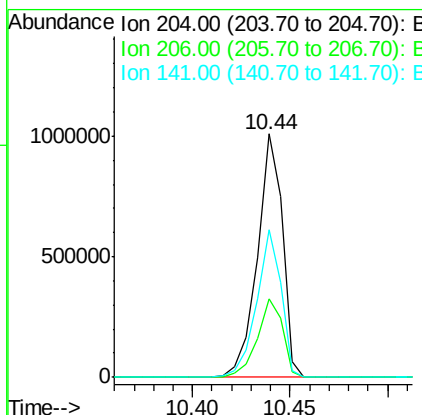
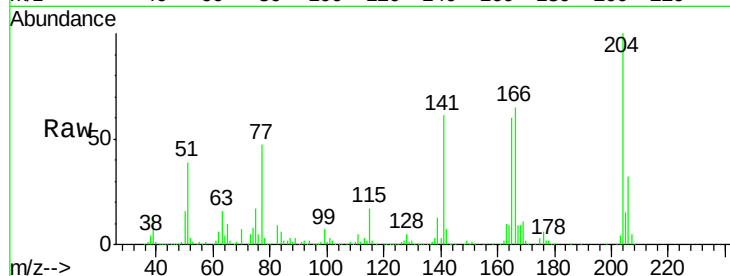




#61
4-Chlorophenyl-phenylether
Concen: 45.84 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

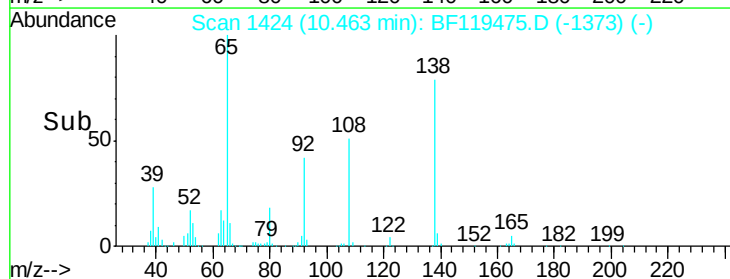
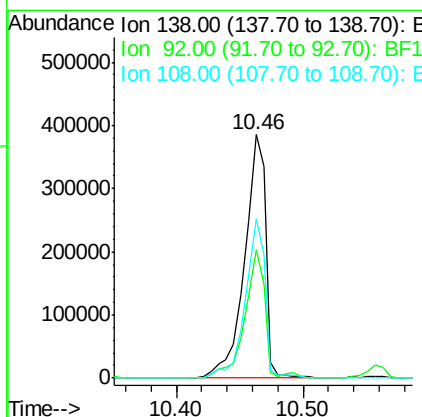
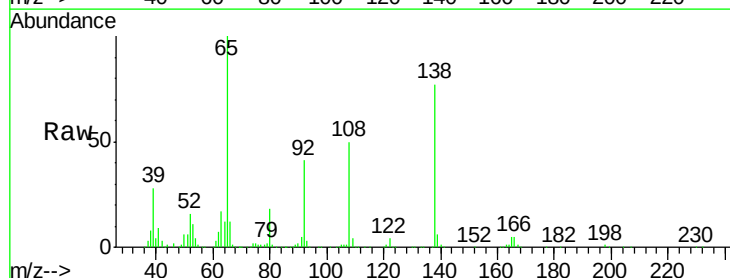
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

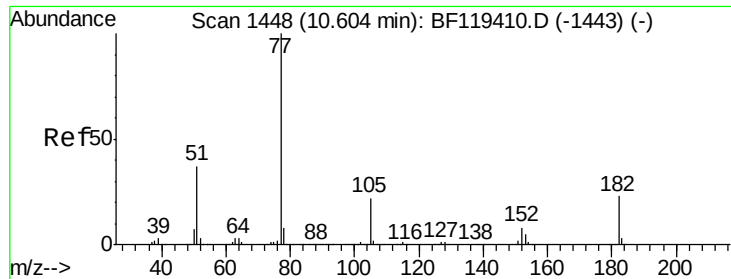
Tgt Ion: 204 Resp: 897452
Ion Ratio Lower Upper
204 100
206 32.1 26.7 40.1
141 60.7 48.8 73.2



#62
4-Nitroaniline
Concen: 40.10 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion: 138 Resp: 446850
Ion Ratio Lower Upper
138 100
92 52.7 32.0 72.0
108 65.3 46.0 86.0





#63

Azobenzene

Concen: 45.76 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

Tgt Ion: 77 Resp: 2008683

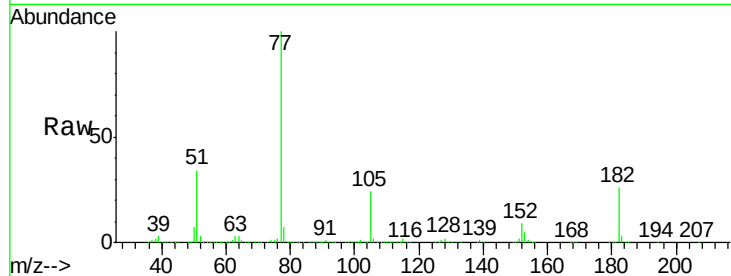
Ion Ratio Lower Upper

77 100

182 26.5 2.5 42.5

105 23.5 2.5 42.5

51 34.0 17.1 57.1

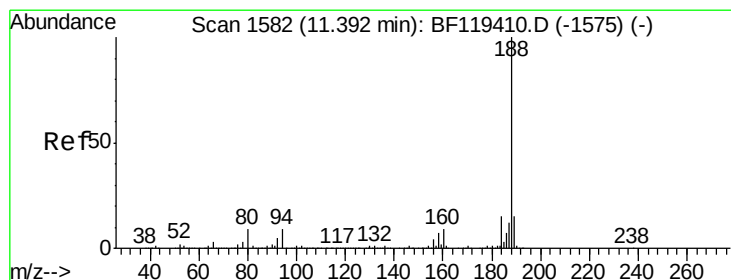
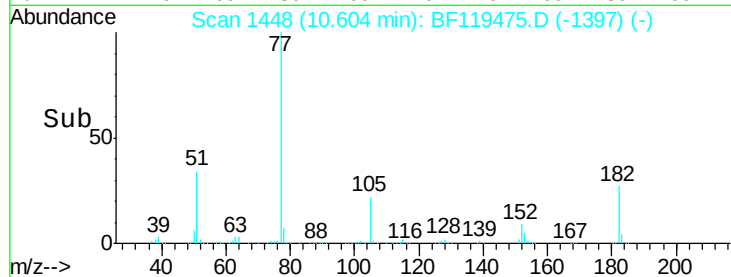
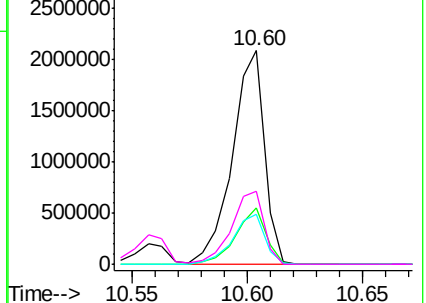


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF119475.D

Acq: 20 Mar 2020 16:42

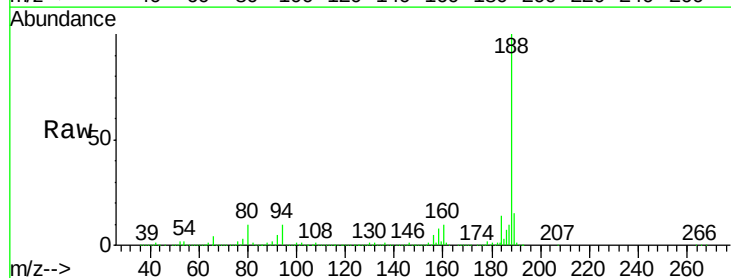
Tgt Ion: 188 Resp: 1106725

Ion Ratio Lower Upper

188 100

94 9.8 7.1 10.7

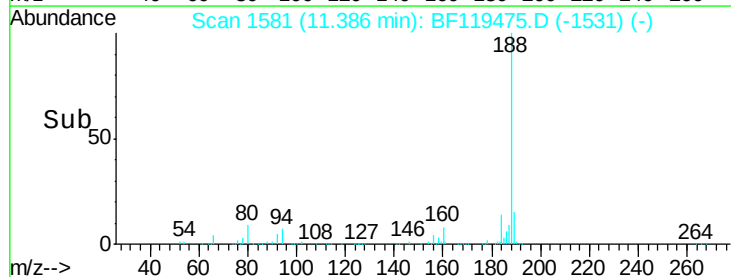
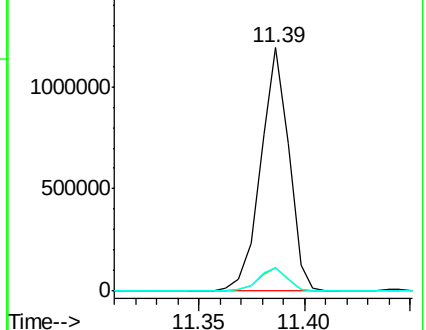
80 9.7 7.5 11.3

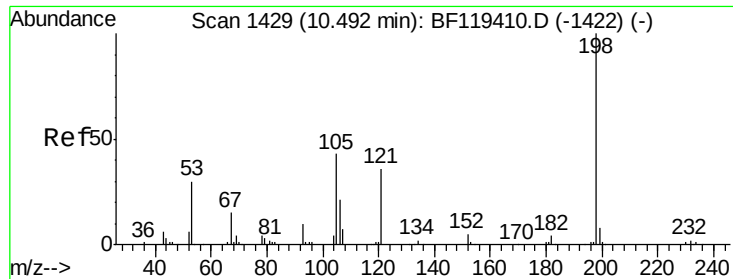


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

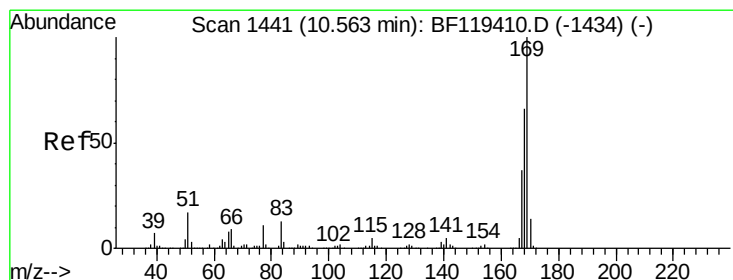
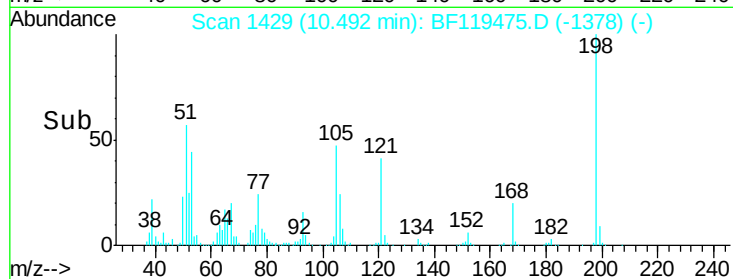
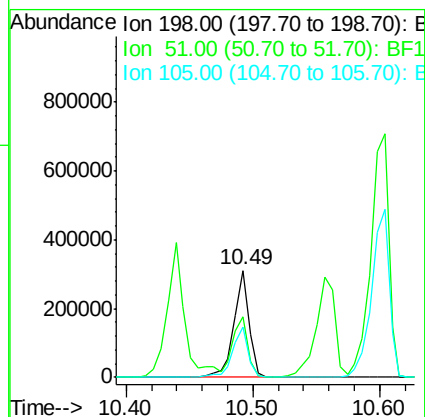
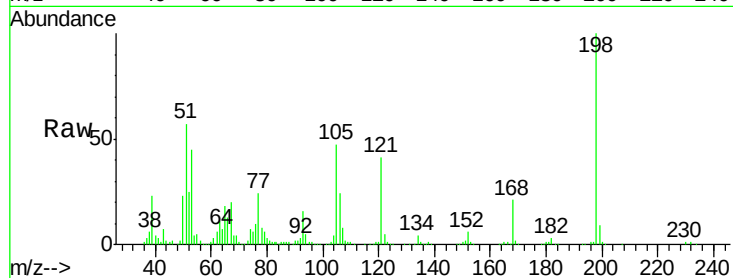




#65
4,6-Dinitro-2-methylphenol
Concen: 55.28 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

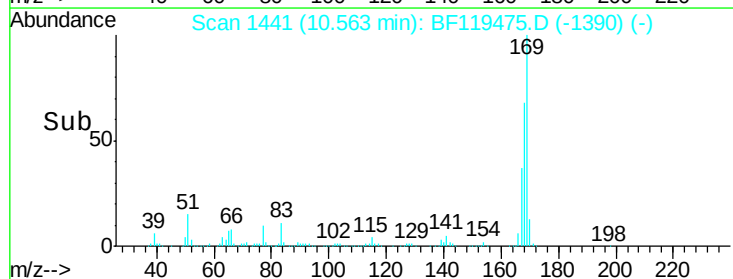
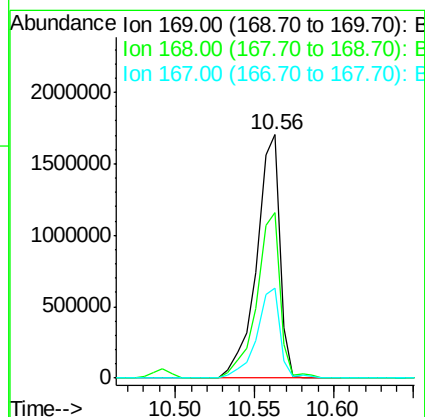
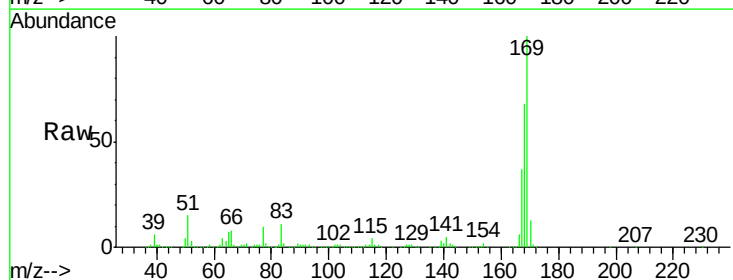
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

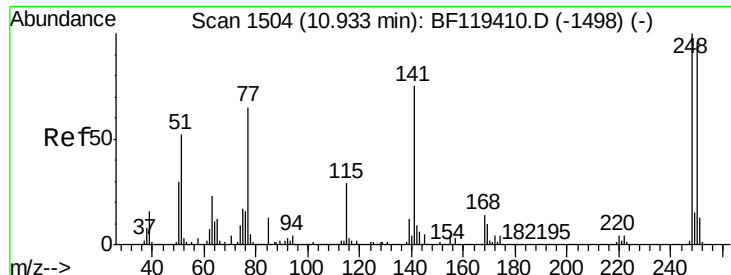
Tgt Ion:198 Resp: 256537
Ion Ratio Lower Upper
198 100
51 57.0 33.1 73.1
105 46.9 24.1 64.1



#66
n-Nitrosodiphenylamine
Concen: 48.00 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:169 Resp: 1744060
Ion Ratio Lower Upper
169 100
168 67.8 52.7 79.1
167 37.0 29.3 43.9

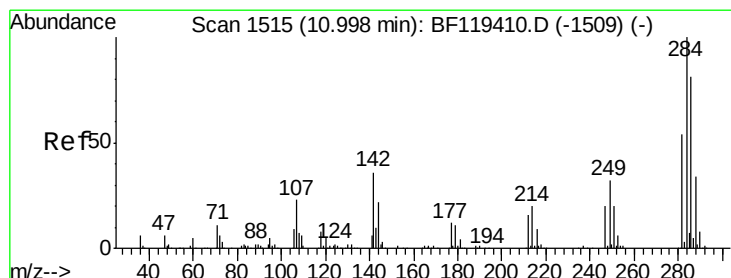
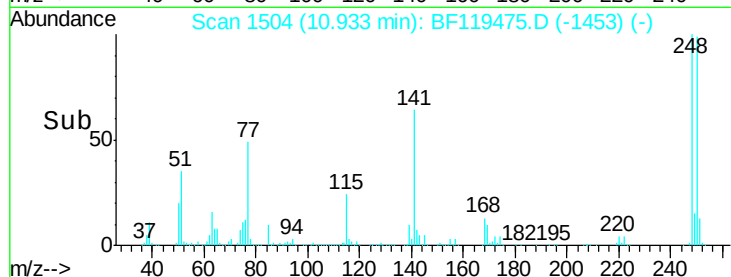
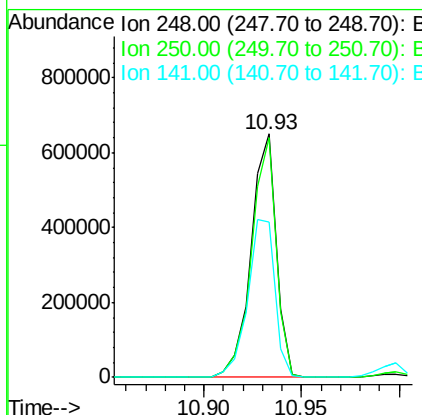
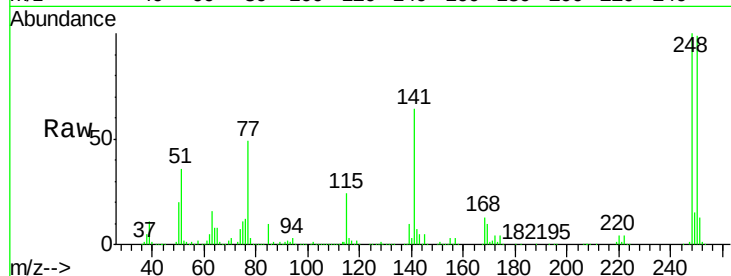




#67
 4-Bromophenyl-phenylether
 Concen: 46.33 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

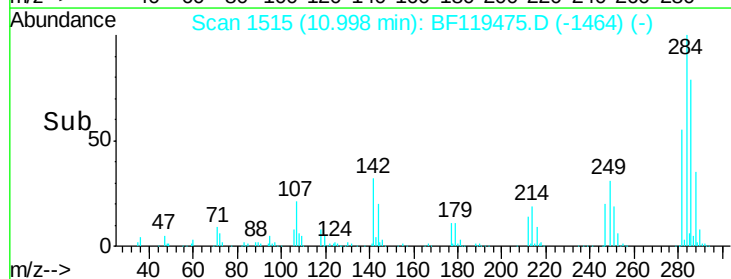
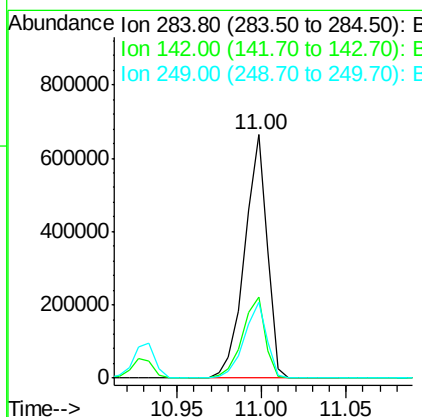
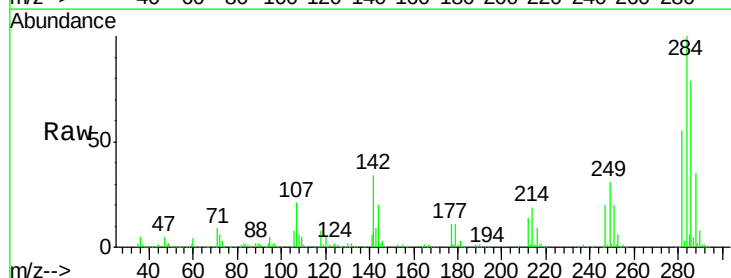
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031920MS

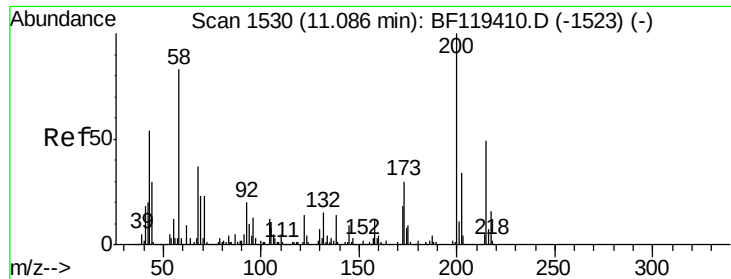
Tgt Ion:248 Resp: 583932
 Ion Ratio Lower Upper
 248 100
 250 98.6 77.0 115.6
 141 63.6 59.7 89.5



#68
 Hexachlorobenzene
 Concen: 47.97 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: BF119475.D
 Acq: 20 Mar 2020 16:42

Tgt Ion:284 Resp: 618881
 Ion Ratio Lower Upper
 284 100
 142 33.5 28.7 43.1
 249 31.2 25.4 38.0





#69

Atrazine

Concen: 52.41 ng

RT: 11.09 min Scan# 1530

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

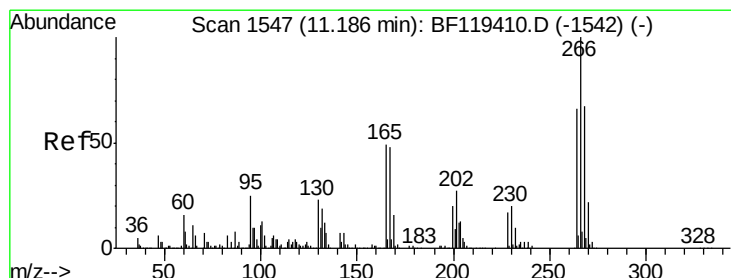
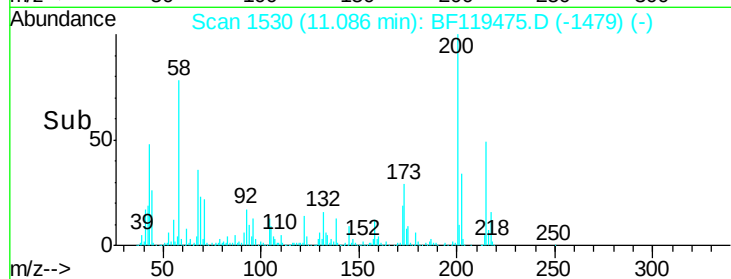
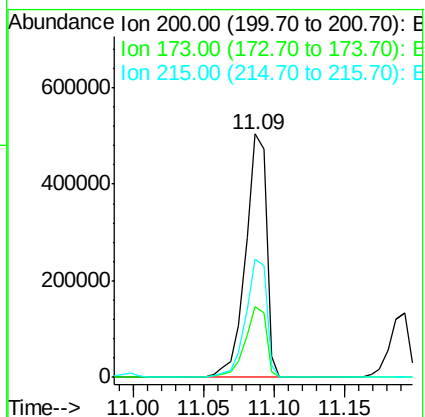
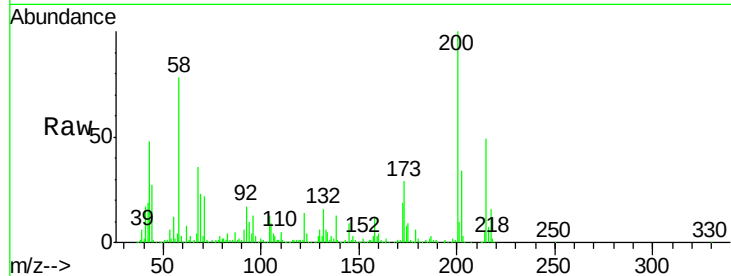
Tgt Ion:200 Resp: 522065

Ion Ratio Lower Upper

200 100

173 28.9 9.9 49.9

215 48.7 29.4 69.4



#70

Pentachlorophenol

Concen: 90.25 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

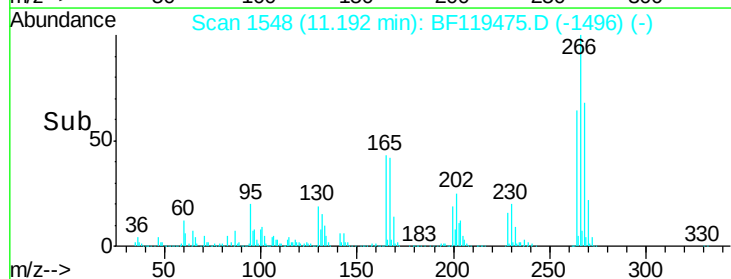
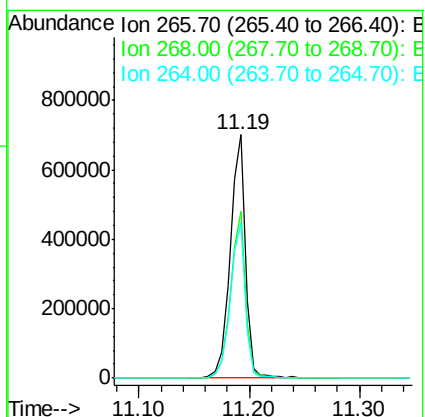
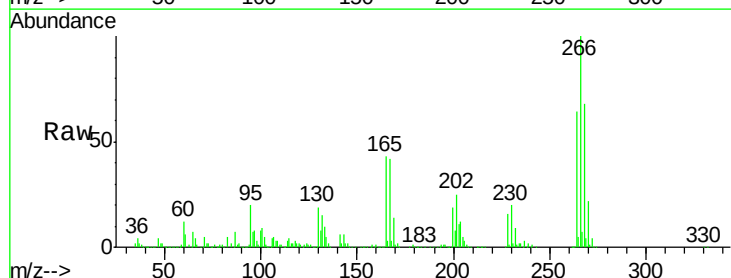
Tgt Ion:266 Resp: 682670

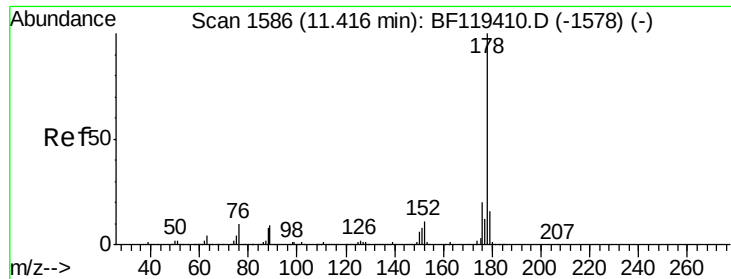
Ion Ratio Lower Upper

266 100

268 68.3 53.7 80.5

264 63.6 52.5 78.7





#71

Phenanthrene

Concen: 46.10 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

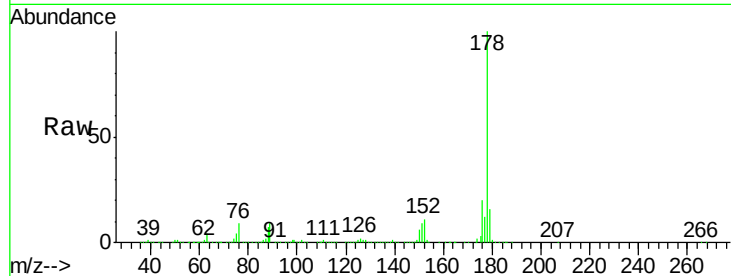
Tgt Ion:178 Resp: 2645286

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

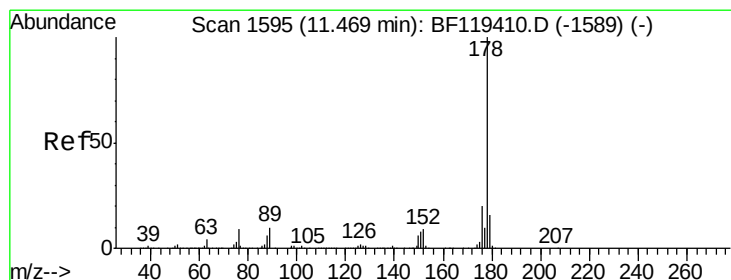
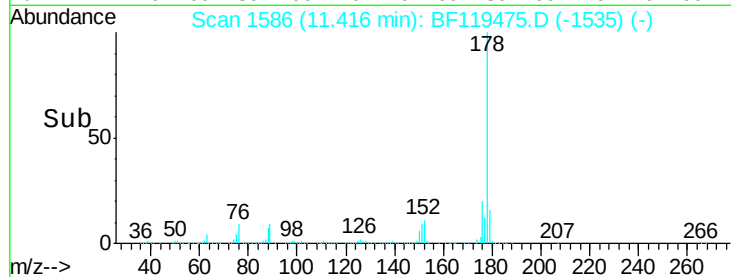
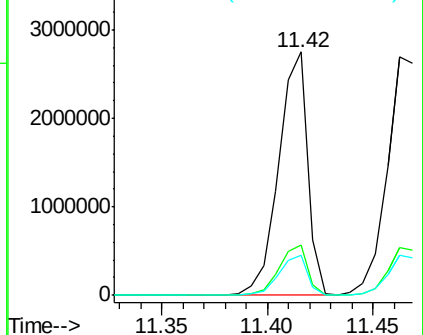
179 16.2 12.9 19.3



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: 47.25 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

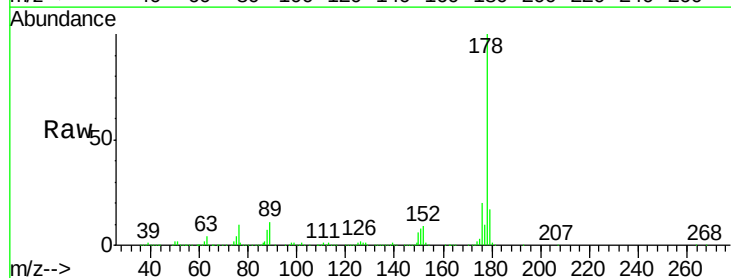
Tgt Ion:178 Resp: 2755713

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

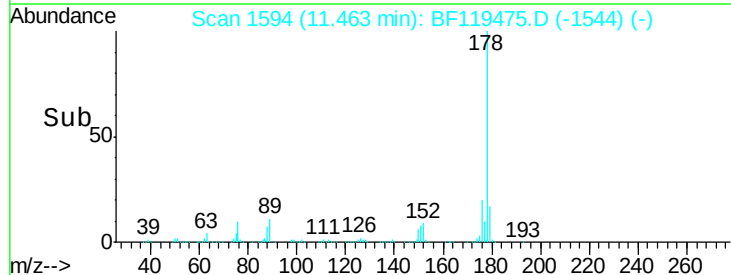
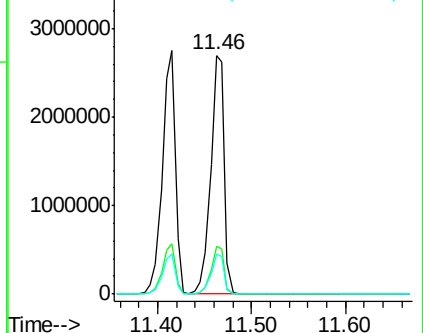
179 16.6 13.1 19.7

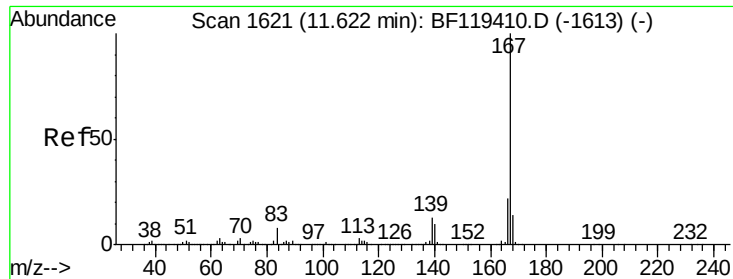


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 44.39 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

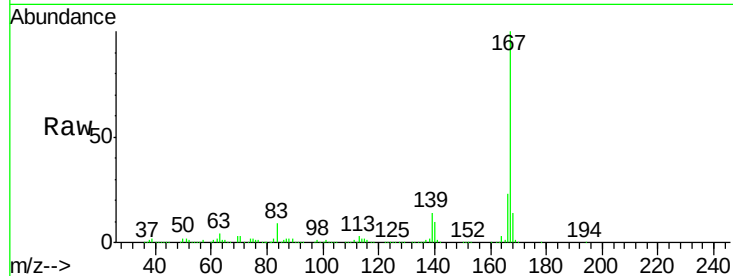
Tgt Ion:167 Resp: 2562615

Ion Ratio Lower Upper

167 100

166 22.8 17.8 26.6

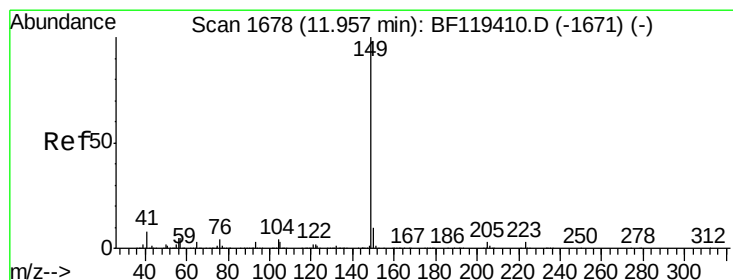
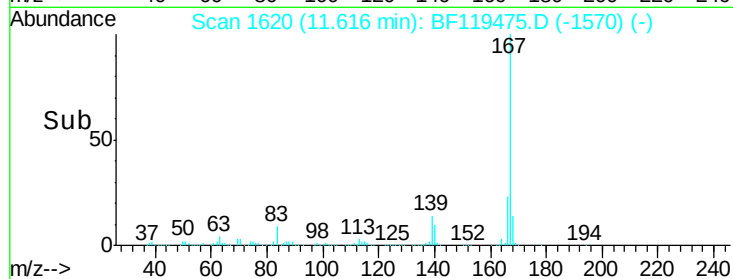
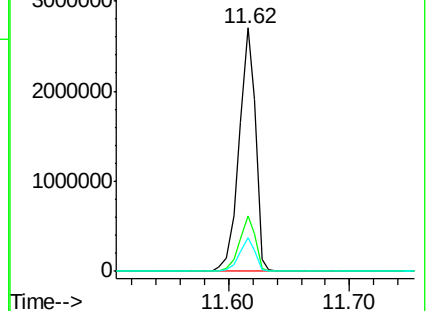
139 13.9 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 50.78 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

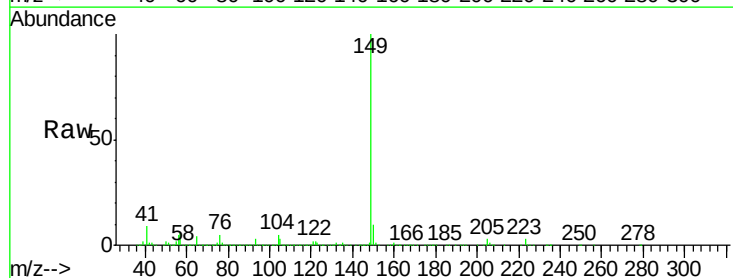
Tgt Ion:149 Resp: 3135683

Ion Ratio Lower Upper

149 100

150 10.2 7.6 11.4

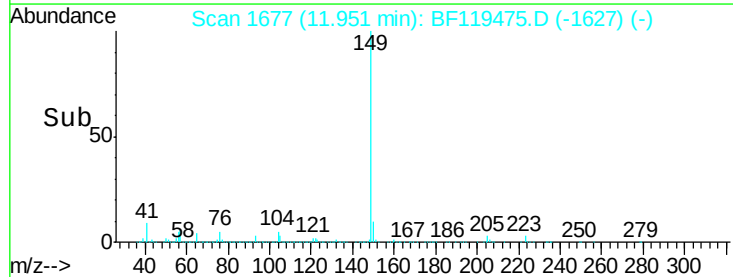
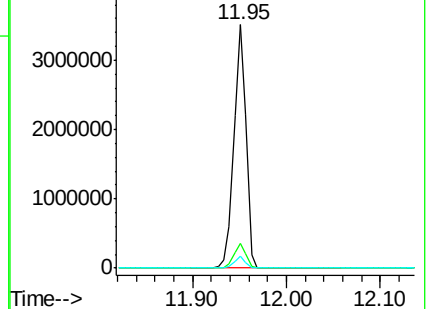
104 5.1 3.5 5.3

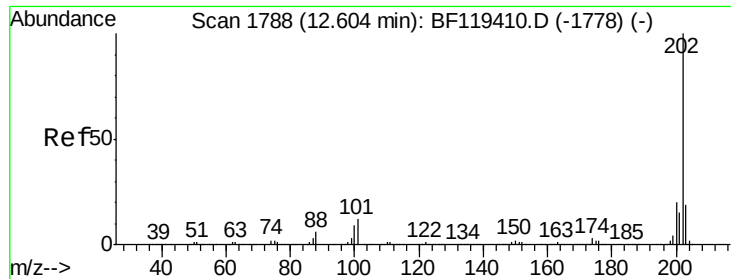


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 43.51 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

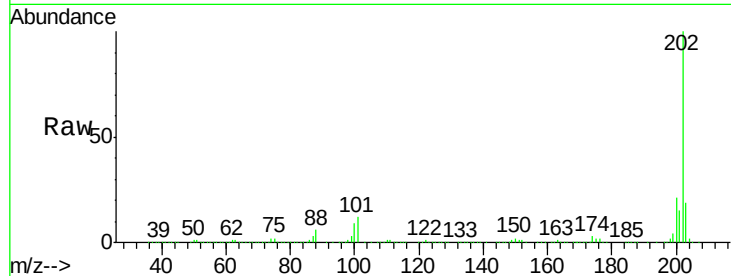
Tgt Ion:202 Resp: 2702220

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.4

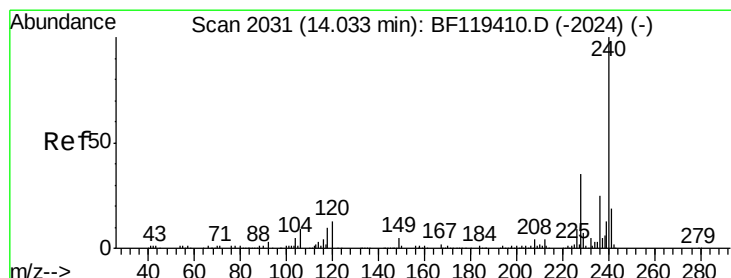
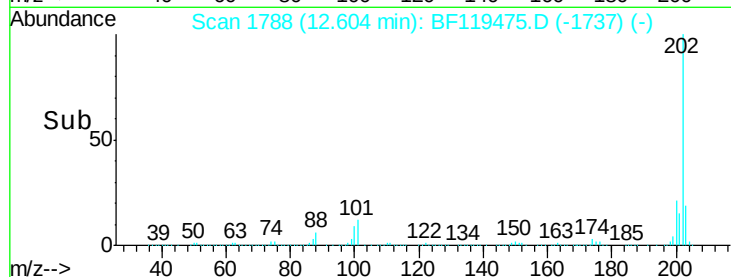
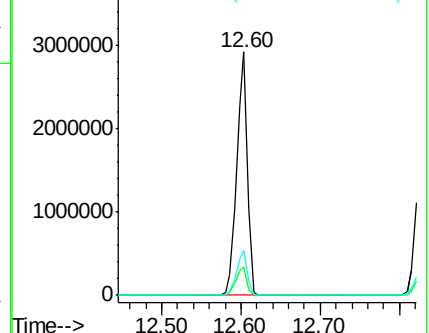
203 18.7 0.0 38.5



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: BF119475.D

Acq: 20 Mar 2020 16:42

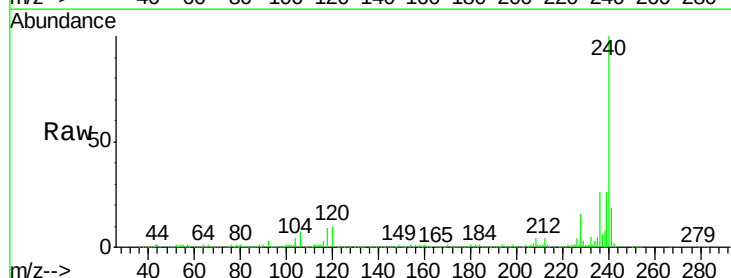
Tgt Ion:240 Resp: 573523

Ion Ratio Lower Upper

240 100

120 9.7 10.2 15.4#

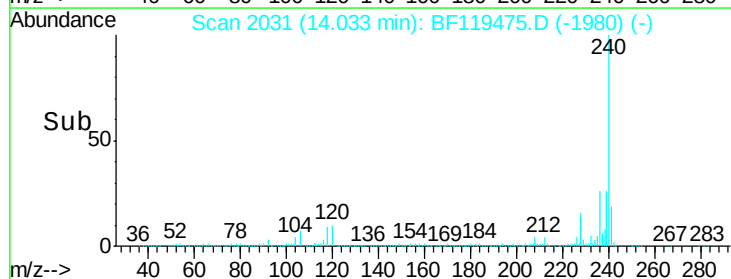
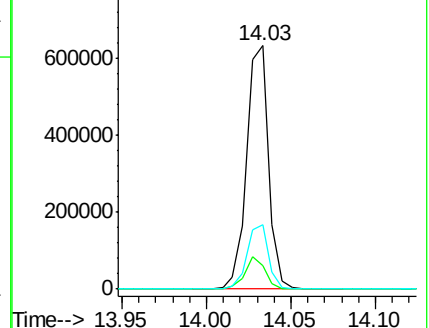
236 26.5 20.4 30.6

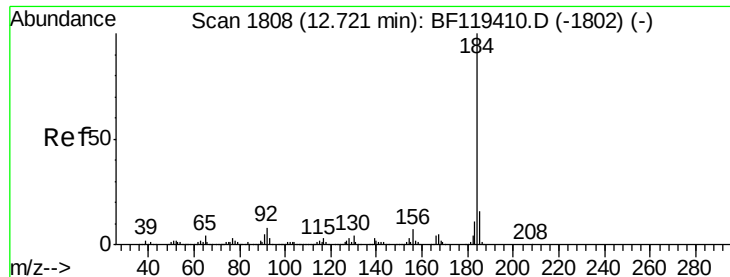


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 43.69 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

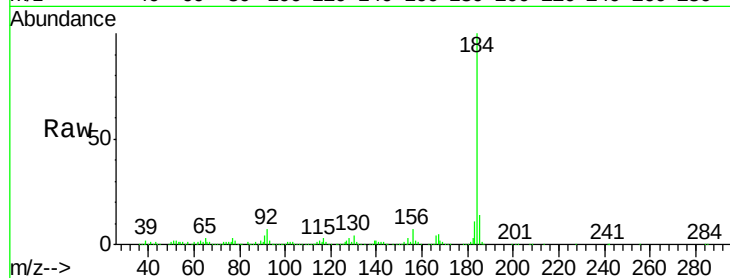
Tgt Ion:184 Resp: 1060459

Ion Ratio Lower Upper

184 100

185 14.3 12.9 19.3

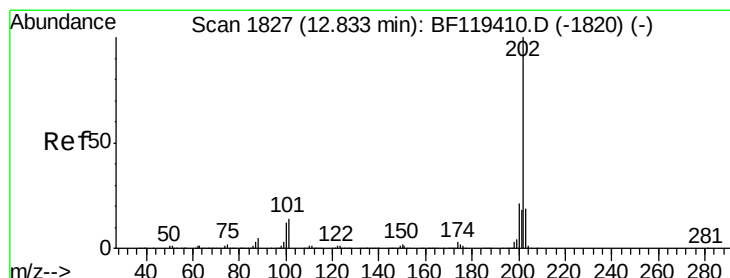
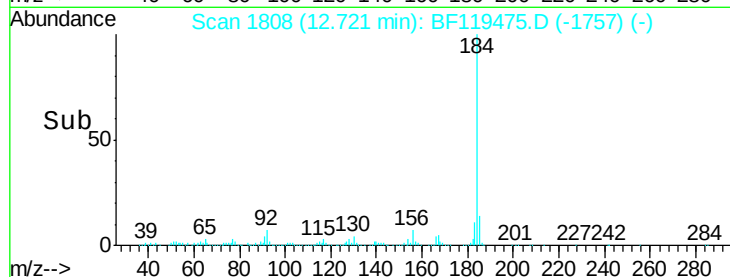
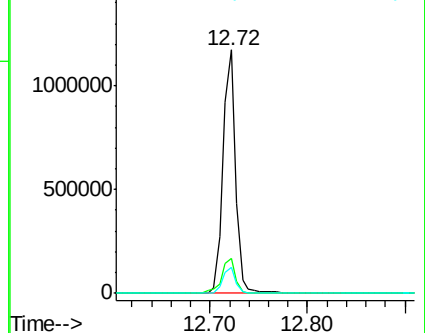
183 10.8 9.0 13.4



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: 57.28 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

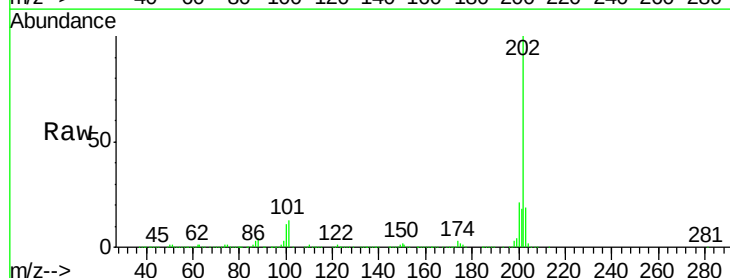
Tgt Ion:202 Resp: 2696040

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

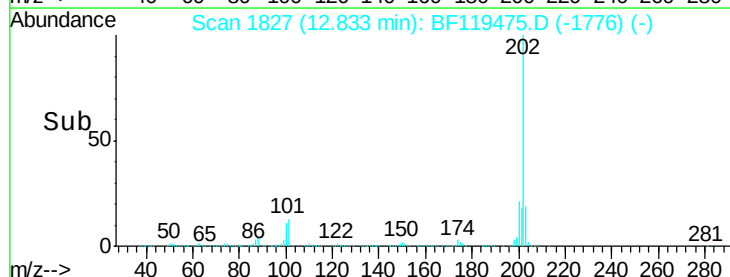
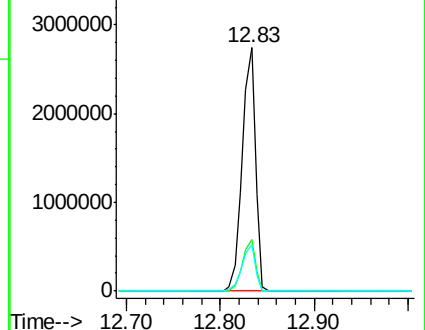
203 18.9 14.8 22.2

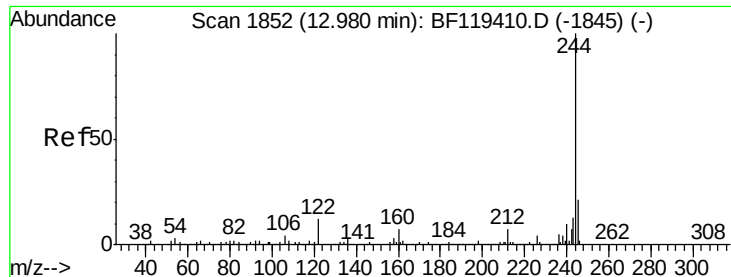


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 124.04 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

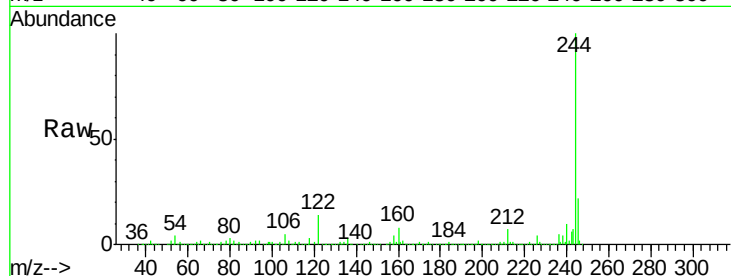
Tgt Ion:244 Resp: 3630909

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

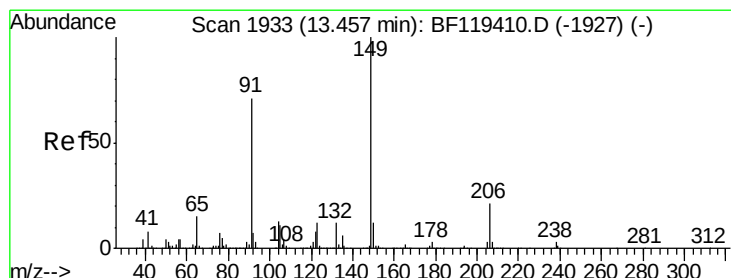
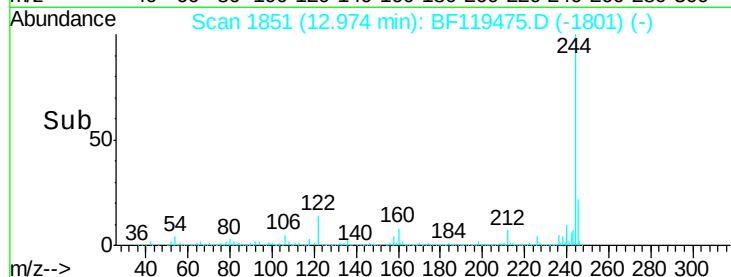
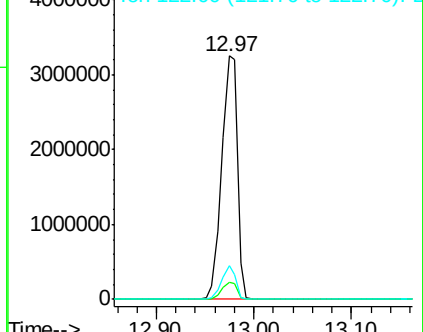
122 13.6 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 67.26 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

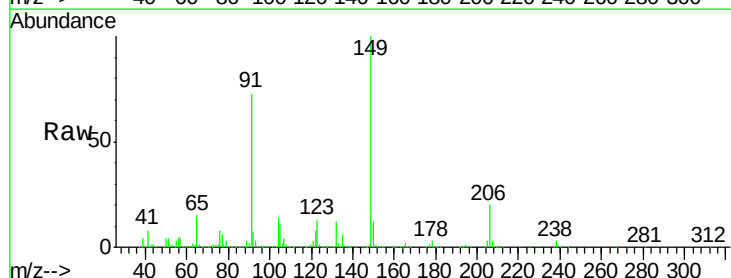
Tgt Ion:149 Resp: 1280376

Ion Ratio Lower Upper

149 100

91 72.5 57.0 85.6

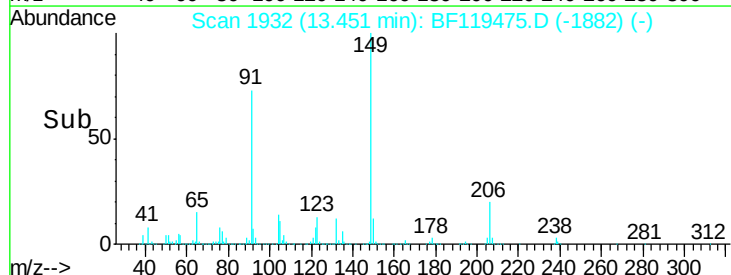
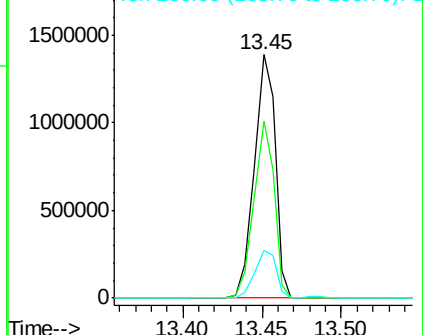
206 19.5 16.4 24.6

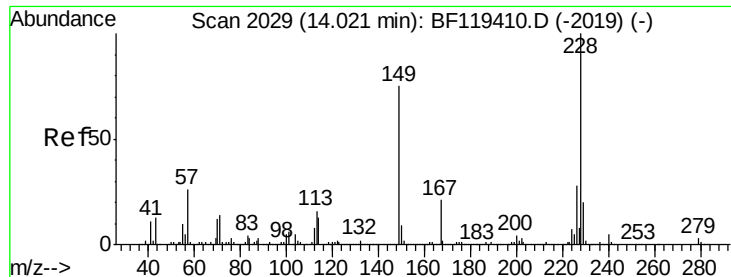


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.82 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

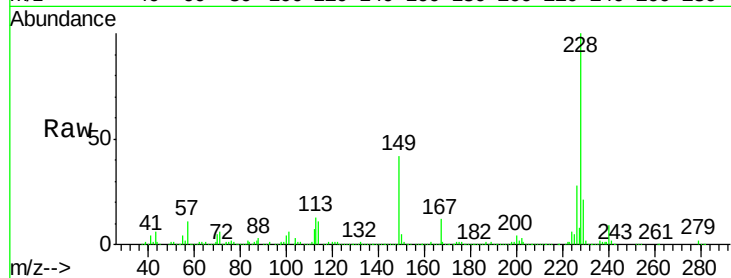
Tgt Ion:228 Resp: 1857997

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

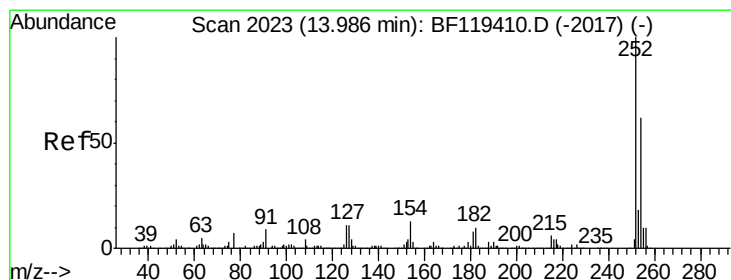
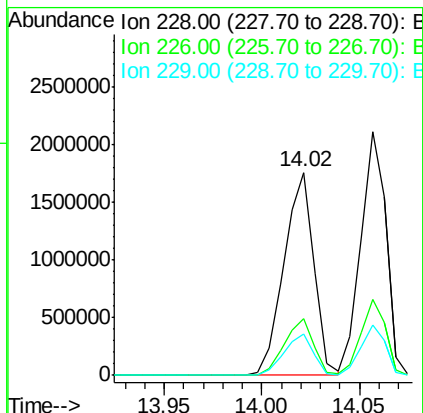
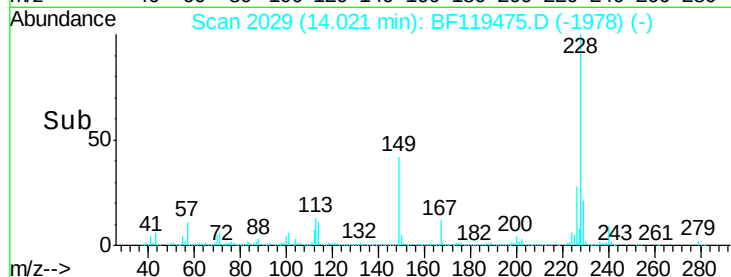
229 20.6 16.3 24.5



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: 30.65 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

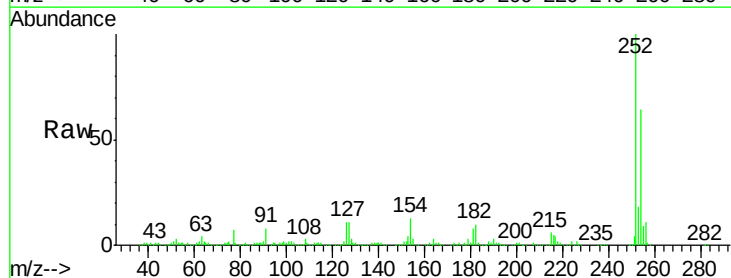
Tgt Ion:252 Resp: 450752

Ion Ratio Lower Upper

252 100

254 64.1 49.8 74.8

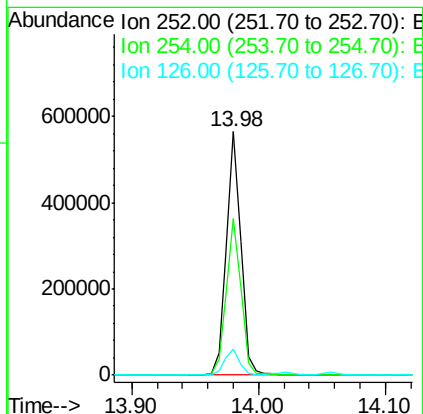
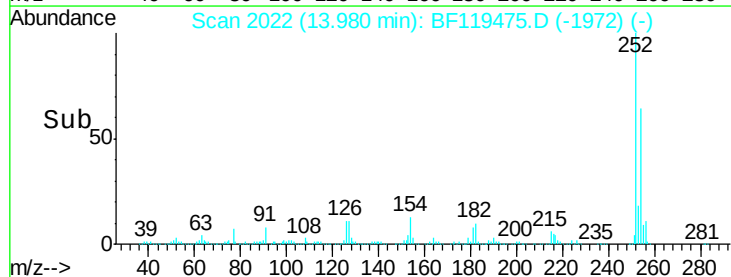
126 10.7 8.9 13.3

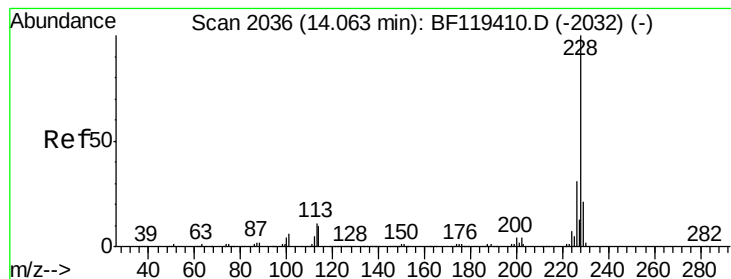


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 49.16 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

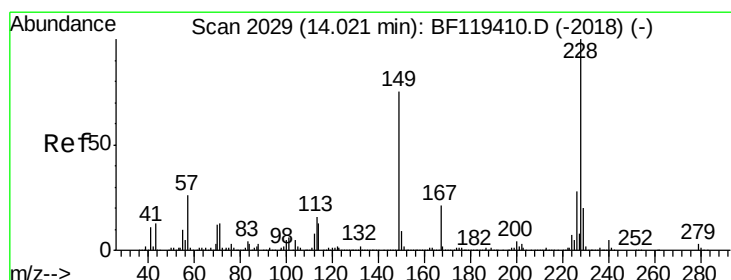
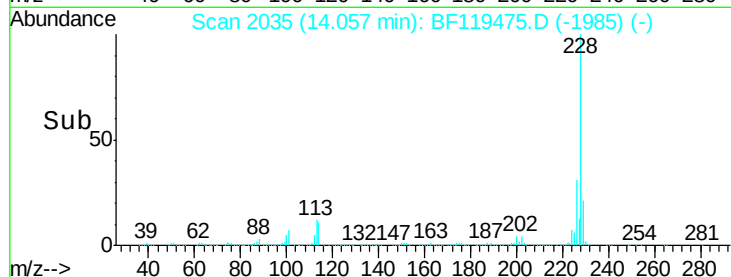
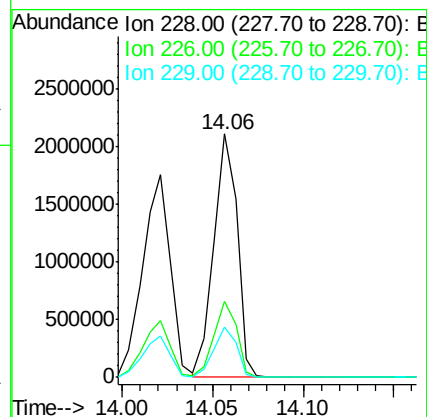
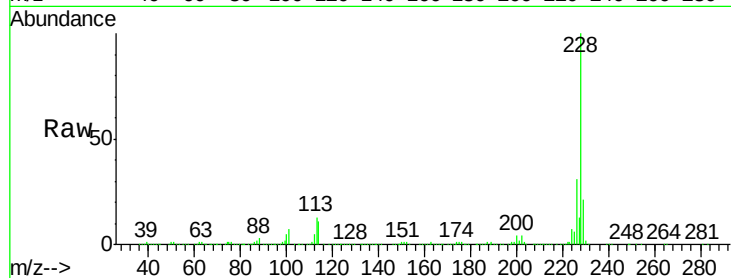
Tgt Ion:228 Resp: 1892327

Ion Ratio Lower Upper

228 100

226 31.0 24.8 37.2

229 20.6 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 68.36 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

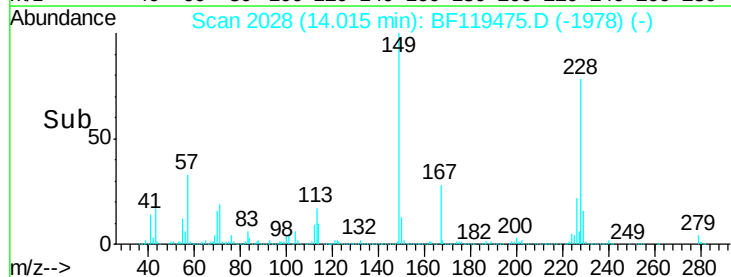
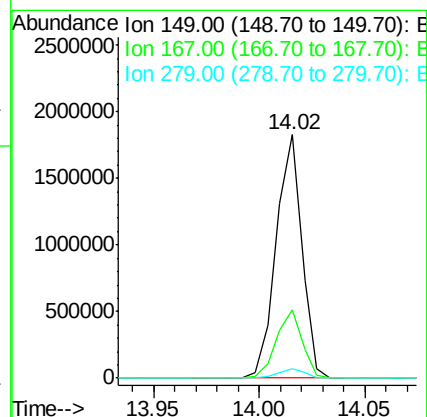
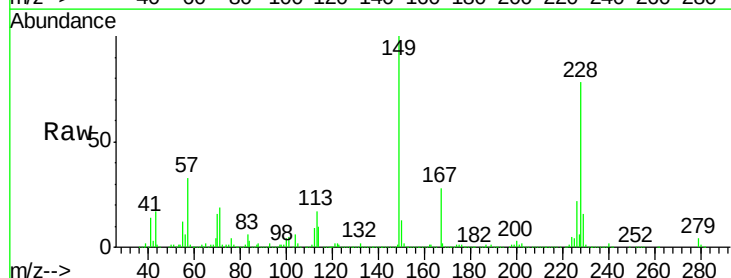
Tgt Ion:149 Resp: 1551276

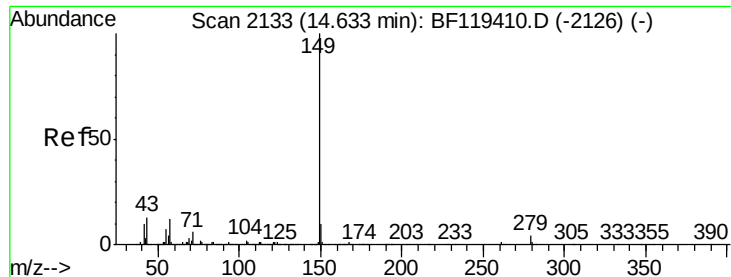
Ion Ratio Lower Upper

149 100

167 28.0 22.0 33.0

279 4.0 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 63.96 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

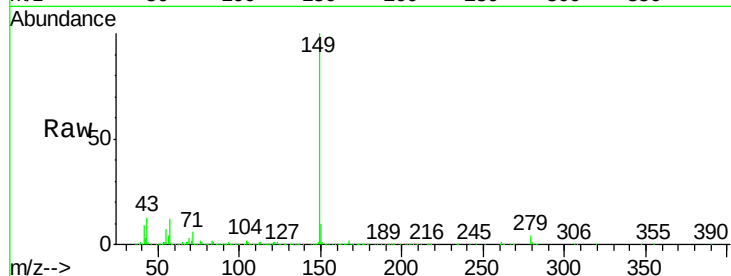
Tgt Ion:149 Resp: 2552864

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

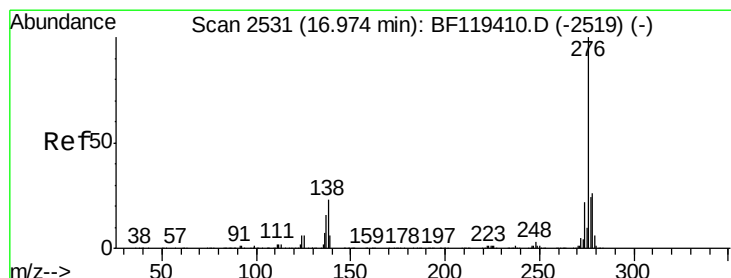
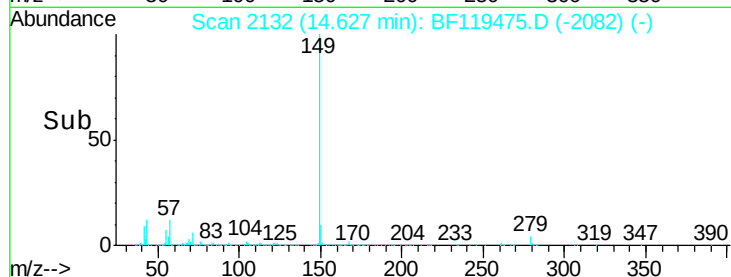
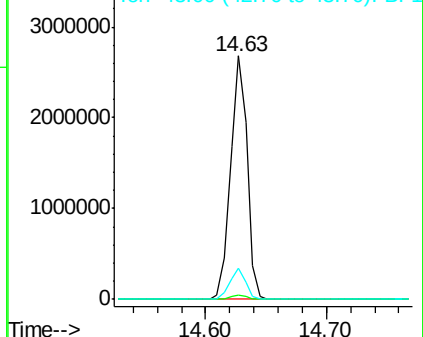
43 12.0 10.1 15.1



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: 63.10 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

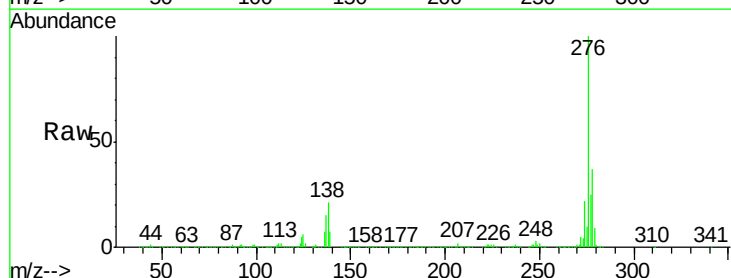
Tgt Ion:276 Resp: 2287269

Ion Ratio Lower Upper

276 100

138 25.1 21.3 31.9

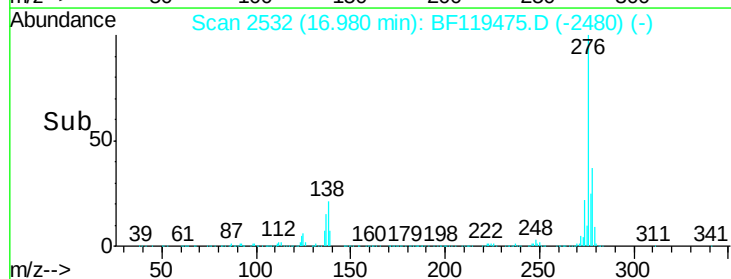
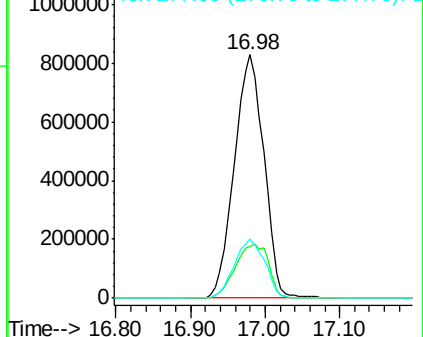
277 25.4 20.2 30.2

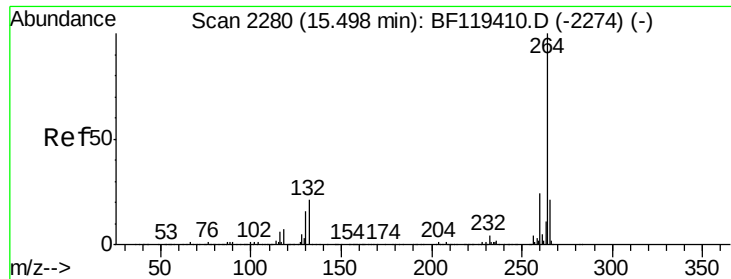


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

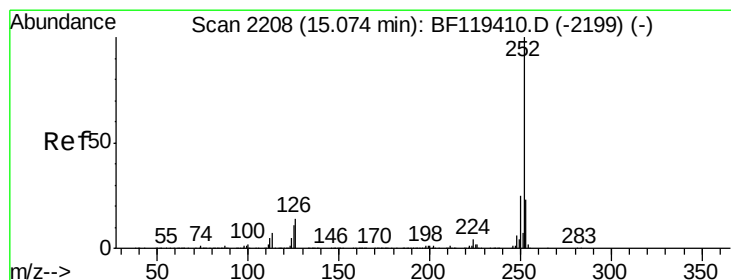
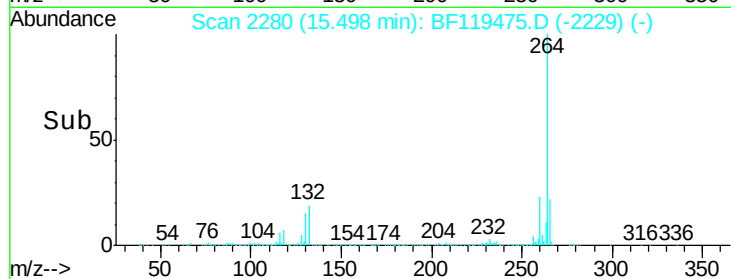
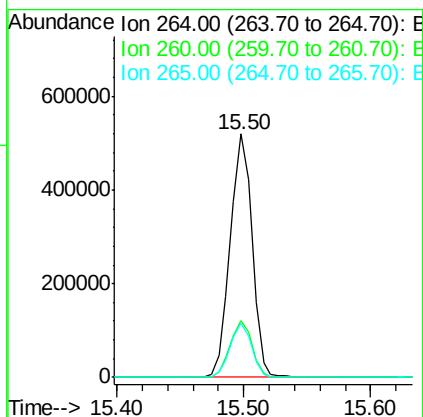
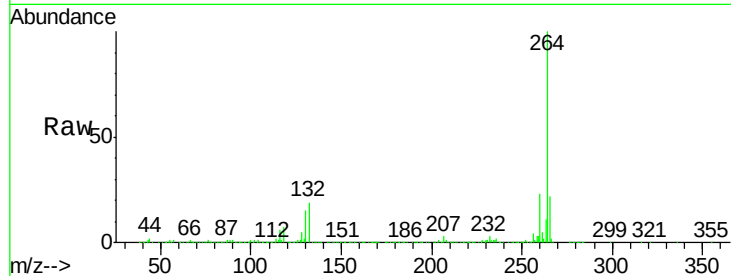




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

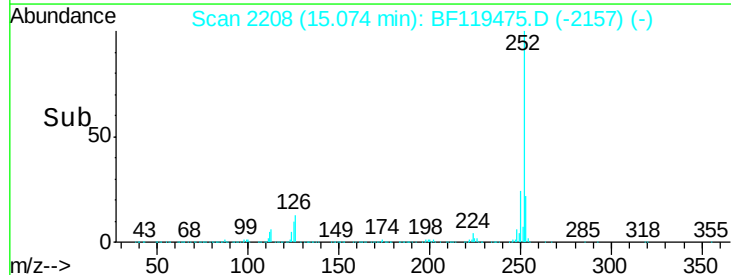
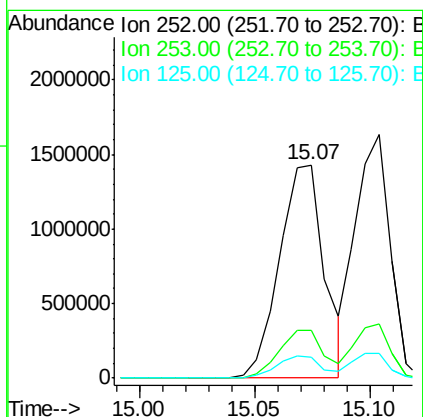
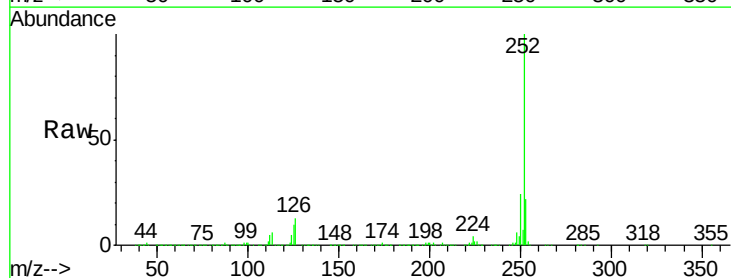
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

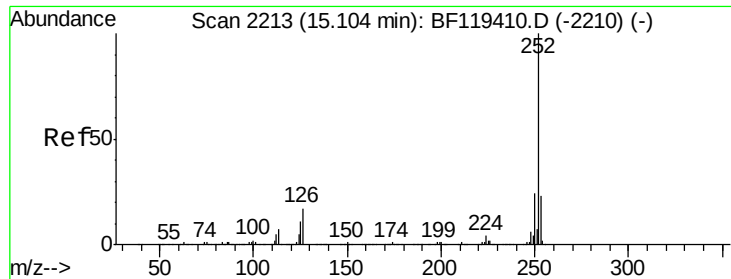
Tgt Ion:264 Resp: 618846
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.4 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 46.73 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:252 Resp: 1931896
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 9.5 8.8 13.2

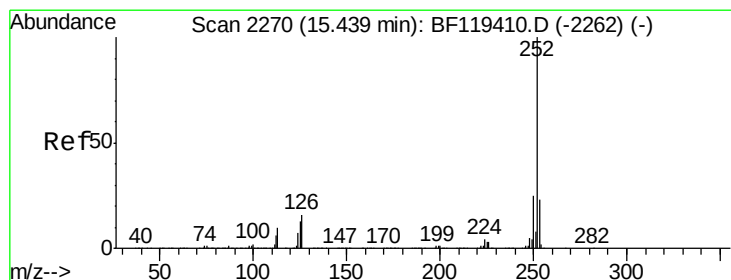
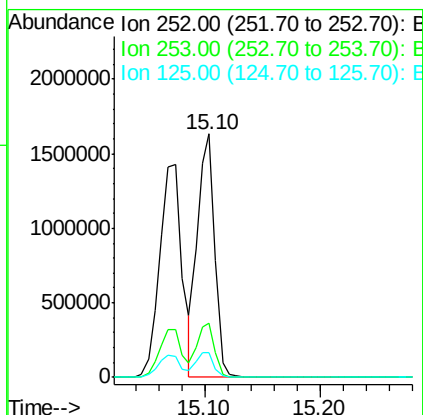
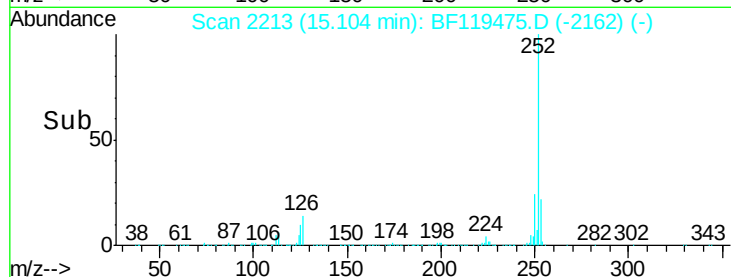
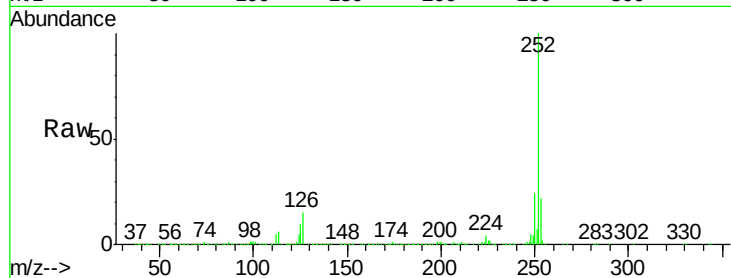




#89
Benzo(k)fluoranthene
Concen: 43.64 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

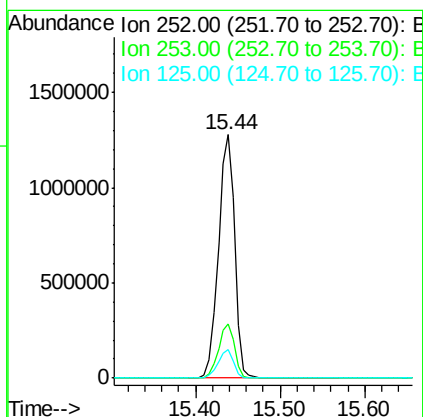
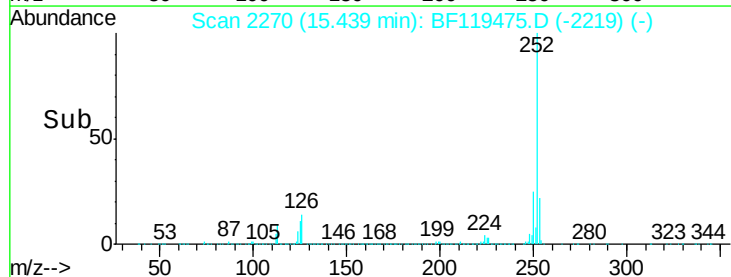
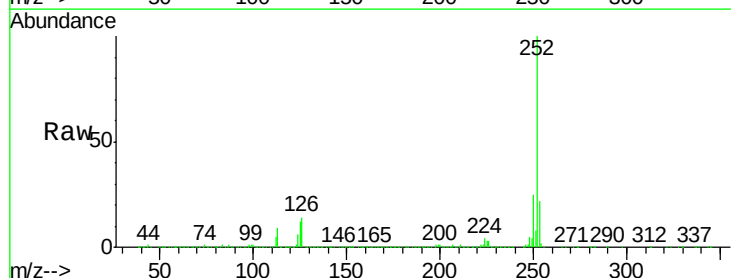
Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

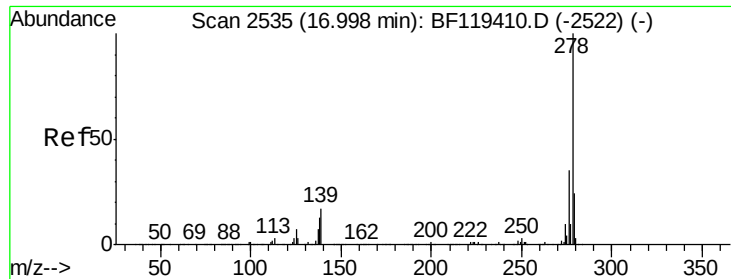
Tgt Ion:252 Resp: 1717991
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.4
125 10.3 9.0 13.4



#90
Benzo(a)pyrene
Concen: 46.29 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF119475.D
Acq: 20 Mar 2020 16:42

Tgt Ion:252 Resp: 1739177
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 11.5 10.2 15.2





#91

Dibenzo(a,h)anthracene

Concen: 56.90 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

Instrument :

BNA_F

ClientSampleId :

BU-02-031920MS

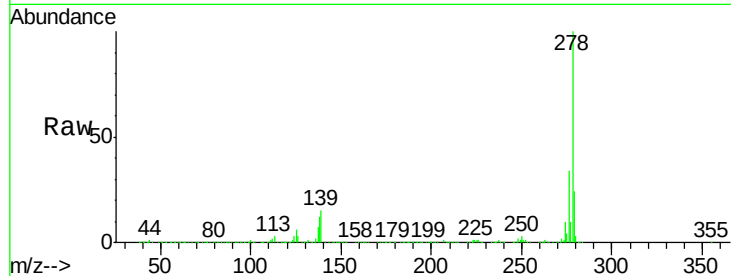
Tgt Ion:278 Resp: 1869800

Ion Ratio Lower Upper

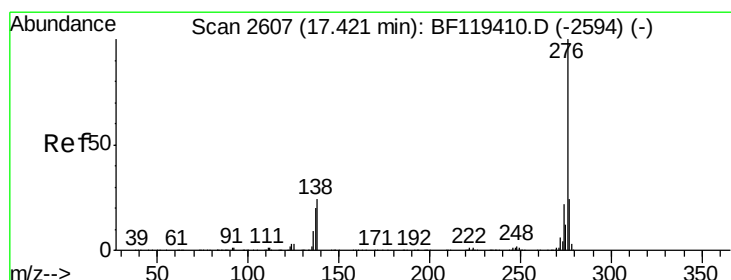
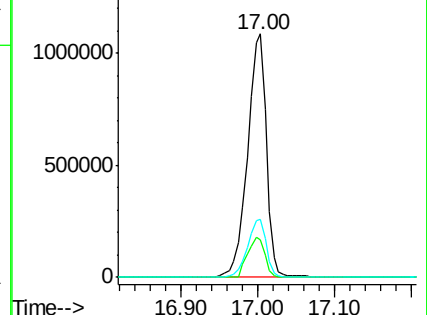
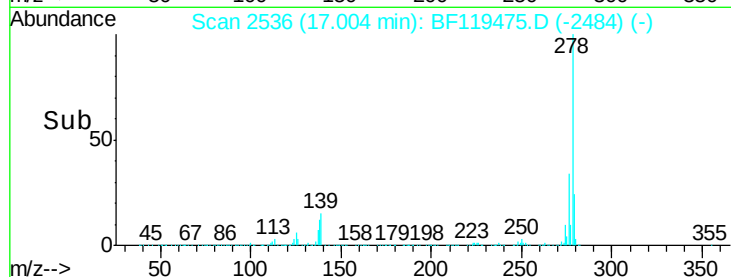
278 100

139 15.5 13.7 20.5

279 24.0 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: 60.23 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BF119475.D

Acq: 20 Mar 2020 16:42

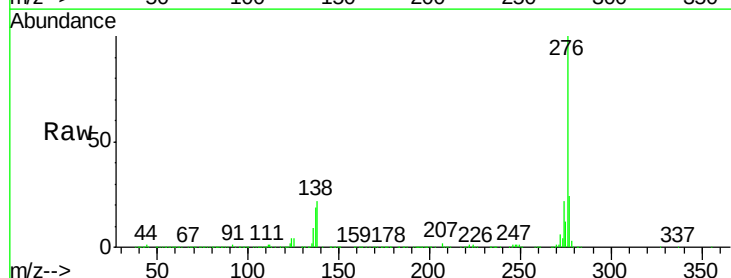
Tgt Ion:276 Resp: 1988132

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 21.8 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

