

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031820\
 Data File : BF119420.D
 Acq On : 18 Mar 2020 17:34
 Operator : CG/JU
 Sample : L1949-04MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Quant Time: Mar 19 01:17:23 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	6.86	152	329740	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1277509	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	636975	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1147899	20.00	ng	0.00
76) Chrysene-d12	14.03	240	652794	20.00	ng	0.00
87) Perylene-d12	15.50	264	626567	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	2190861	105.77	ng	0.02
7) Phenol-d6	6.48	99	2834754	107.13	ng	0.00
23) Nitrobenzene-d5	7.42	82	1762699	74.99	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	701597	106.76	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3088671	71.84	ng	0.00
79) Terphenyl-d14	12.98	244	2857982	85.78	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.70	88	371140	36.28	ng 100
3) Pyridine	3.44	79	904650	32.10	ng 99
4) n-Nitrosodimethylamine	3.39	42	566198	41.20	ng 97
6) Aniline	6.52	93	569468	15.59	ng 98
8) 2-Chlorophenol	6.64	128	977672	44.94	ng 99
9) Benzaldehyde	6.40	77	641012	38.19	ng 99
10) Phenol	6.49	94	1177641	41.71	ng 99
11) bis(2-Chloroethyl)ether	6.59	93	937461	41.52	ng 99
12) 1,3-Dichlorobenzene	6.80	146	970308	41.21	ng 99
13) 1,4-Dichlorobenzene	6.87	146	967202	41.07	ng 98
14) 1,2-Dichlorobenzene	7.03	146	906143	41.16	ng 99
15) Benzyl Alcohol	6.99	79	844170	42.41	ng 96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1903077	41.78	ng 99
17) 2-Methylphenol	7.10	107	791100	39.69	ng 99
18) Hexachloroethane	7.37	117	378120	43.81	ng 98
19) n-Nitroso-di-n-propylamine	7.27	70	669505	41.98	ng 98
20) 3+4-Methylphenols	7.10	107	791100	32.38	ng 78
22) Acetophenone	7.26	105	1234652	40.45	ng # 91
24) Nitrobenzene	7.44	77	1002202	39.90	ng 96
25) Isophorone	7.68	82	1860745	39.02	ng 97
26) 2-Nitrophenol	7.75	139	485584	49.09	ng 95
27) 2,4-Dimethylphenol	7.79	122	891165	43.57	ng 99
28) bis(2-Chloroethoxy)methane	7.89	93	1163909	41.28	ng 98
29) 2,4-Dichlorophenol	7.99	162	763297	40.62	ng 99
30) 1,2,4-Trichlorobenzene	8.08	180	829967	39.94	ng 99
31) Naphthalene	8.16	128	2644736	40.23	ng 99
32) Benzoic acid	7.90	122	579136	44.02	ng 99
33) 4-Chloroaniline	8.20	127	184843	6.14	ng 97
34) Hexachlorobutadiene	8.29	225	466608	40.13	ng 100
35) Caprolactam	8.62	113	93907	15.27	ng 90
36) 4-Chloro-3-methylphenol	8.69	107	829575	40.39	ng 96
37) 2-Methylnaphthalene	8.86	142	1791151	41.51	ng 99
38) 1-Methylnaphthalene	8.96	142	1663731	40.74	ng 99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	731876	39.20	ng 98

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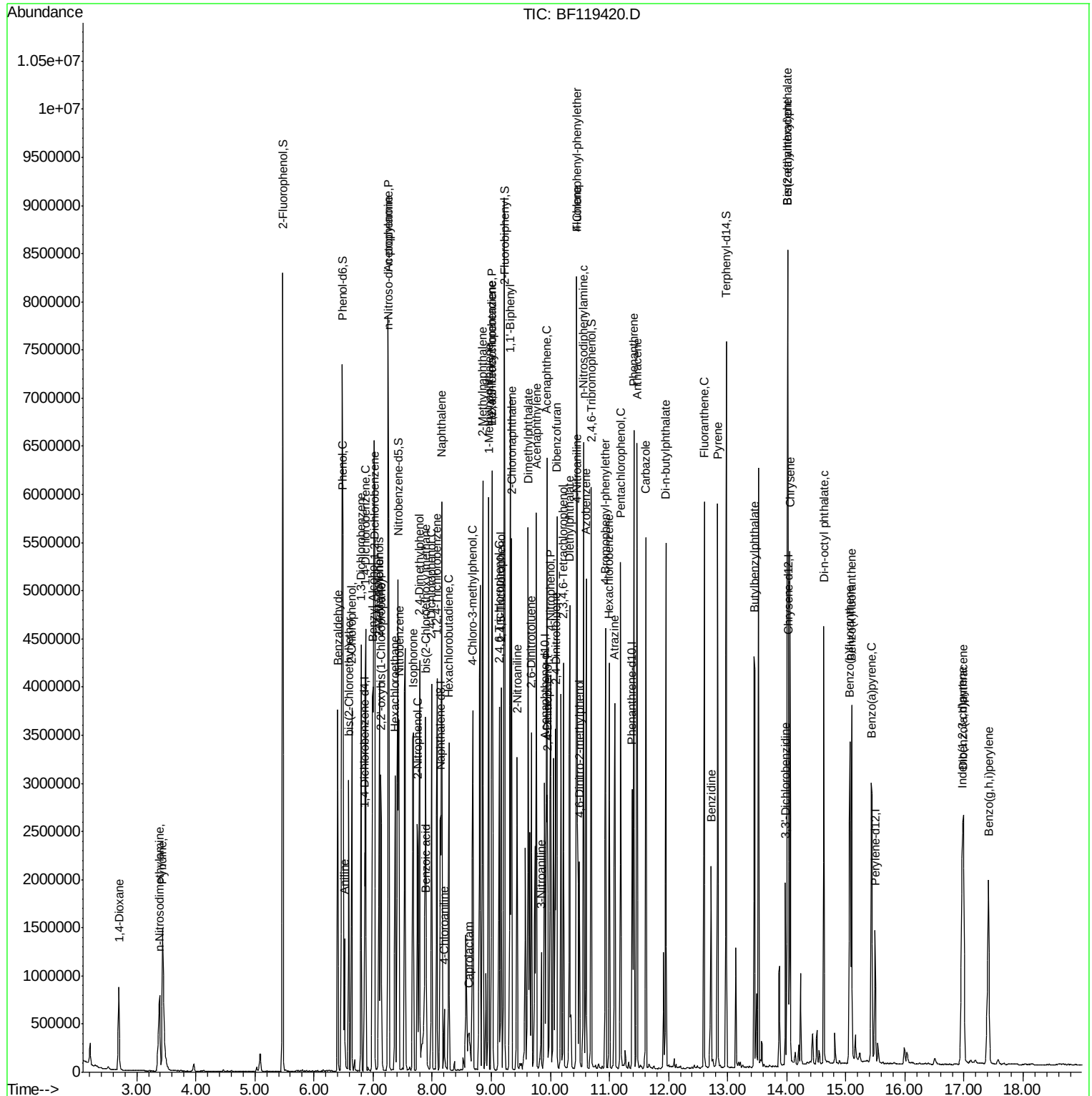
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	823035	77.54	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	565176	42.30	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	558739	37.33	ng	96
46) 1,1'-Biphenyl	9.32	154	2053837	39.59	ng	100
47) 2-Chloronaphthalene	9.35	162	1595571	39.26	ng	99
48) 2-Nitroaniline	9.44	65	574214	40.94	ng	100
49) Acenaphthylene	9.76	152	2553552	40.02	ng	99
50) Dimethylphthalate	9.63	163	2278370	50.36	ng	99
51) 2,6-Dinitrotoluene	9.68	165	413113	42.60	ng	98
52) Acenaphthene	9.94	154	1663334	41.81	ng	97
53) 3-Nitroaniline	9.85	138	162138	13.24	ng	99
54) 2,4-Dinitrophenol	9.95	184	322477	77.13	ng	91
55) Dibenzofuran	10.11	168	2250637	39.46	ng	100
56) 4-Nitrophenol	10.00	139	722498	74.80	ng	86
57) 2,4-Dinitrotoluene	10.09	165	536033	43.88	ng	91
58) Fluorene	10.45	166	1651115	39.15	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.22	232	464026	41.48	ng	99
60) Diethylphthalate	10.33	149	1852929	40.35	ng	100
61) 4-Chlorophenyl-phenylether	10.45	204	801331	38.85	ng	99
62) 4-Nitroaniline	10.46	138	396811	33.80	ng	98
63) Azobenzene	10.60	77	1847862	39.96	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	231694	48.13	ng	94
66) n-Nitrosodiphenylamine	10.56	169	1544251	40.98	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	512961	39.24	ng	97
68) Hexachlorobenzene	11.00	284	550281	41.13	ng	99
69) Atrazine	11.09	200	439117	42.50	ng	98
70) Pentachlorophenol	11.19	266	591536	75.40	ng	99
71) Phenanthrene	11.42	178	2341492	39.34	ng	100
72) Anthracene	11.47	178	2430671	40.18	ng	99
73) Carbazole	11.62	167	2217382	37.03	ng	99
74) Di-n-butylphthalate	11.96	149	2722773	42.51	ng	99
75) Fluoranthene	12.60	202	2424720	37.64	ng	99
77) Benzidine	12.72	184	725924	26.28	ng	98
78) Pyrene	12.83	202	2403943	44.87	ng	100
80) Butylbenzylphthalate	13.46	149	1022889	47.21	ng	95
81) Benzo(a)anthracene	14.02	228	1693091	39.88	ng	100
82) 3,3'-Dichlorobenzidine	13.98	252	372763	22.27	ng	97
83) Chrysene	14.06	228	1726329	39.40	ng	100
84) Bis(2-ethylhexyl)phthalate	14.02	149	1236348	47.86	ng	99
85) Di-n-octyl phthalate	14.63	149	2066351	45.49	ng	100
86) Indeno(1,2,3-cd)pyrene	16.97	276	1877591	45.51	ng	100
88) Benzo(b)fluoranthene	15.07	252	1739353	41.56	ng	99
89) Benzo(k)fluoranthene	15.10	252	1461395	36.67	ng	100
90) Benzo(a)pyrene	15.44	252	1491722	39.22	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	1537762	46.22	ng	99
92) Benzo(g,h,i)perylene	17.42	276	1636680	48.97	ng	99

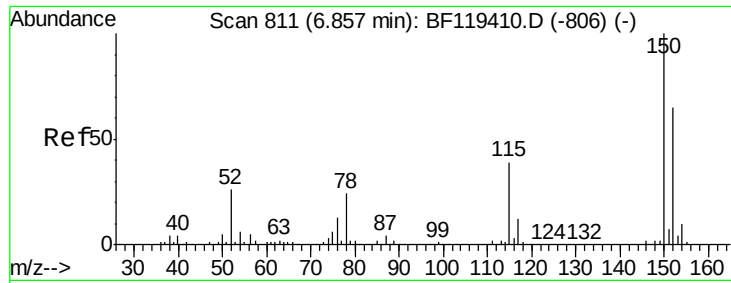
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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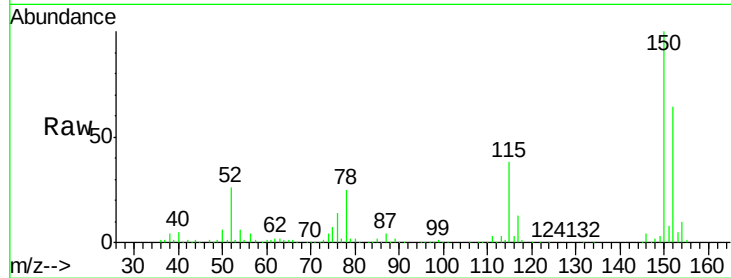




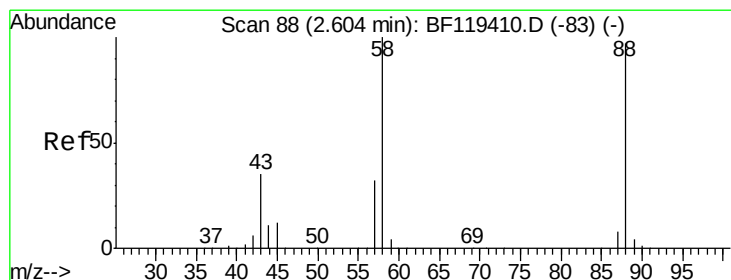
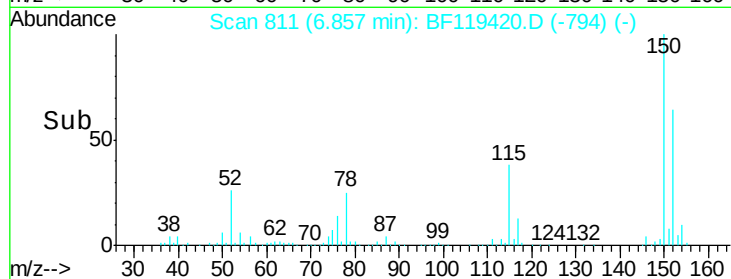
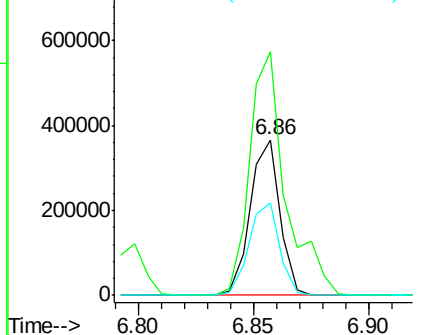
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tgt Ion: 152 Resp: 329740
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.9 185.9
 115 59.3 47.8 71.6

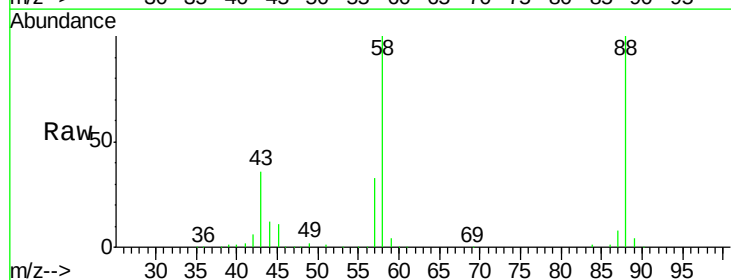


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

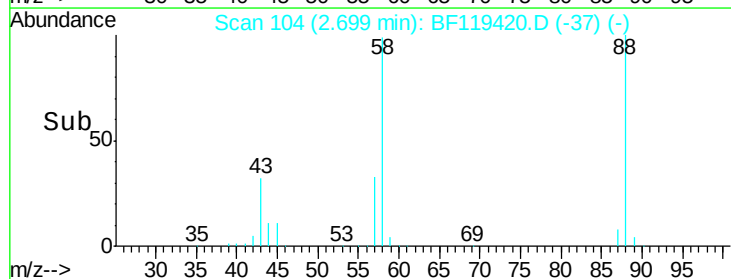
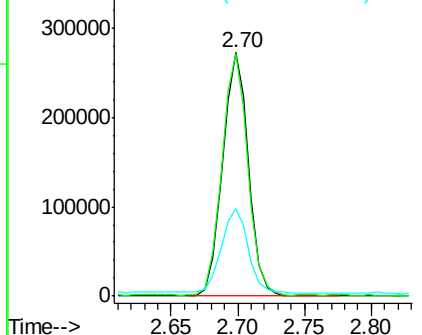


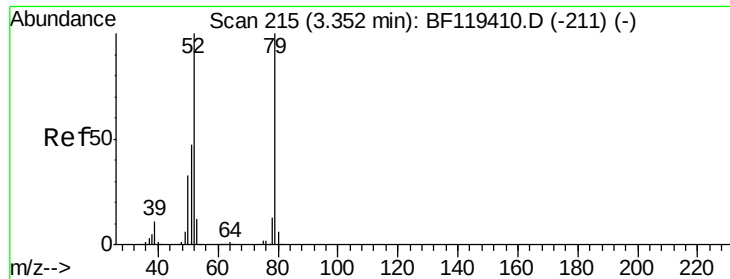
#2
 1,4-Dioxane
 Concen: 36.28 ng
 RT: 2.70 min Scan# 104
 Delta R.T. 0.09 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion: 88 Resp: 371140
 Ion Ratio Lower Upper
 88 100
 58 98.7 79.4 119.2
 43 35.6 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: 32.10 ng

RT: 3.44 min Scan# 230

Delta R.T. 0.09 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

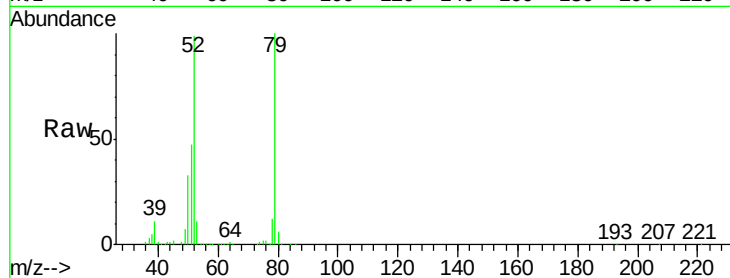
Tgt Ion: 79 Resp: 904650

Ion Ratio Lower Upper

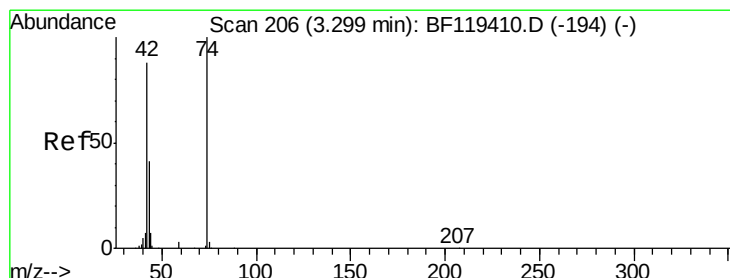
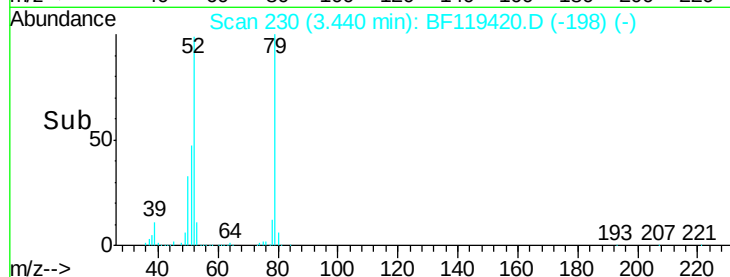
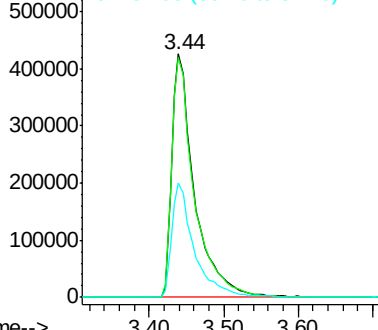
79 100

52 98.7 80.0 120.0

51 47.1 37.9 56.9



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.20 ng

RT: 3.39 min Scan# 221

Delta R.T. 0.09 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

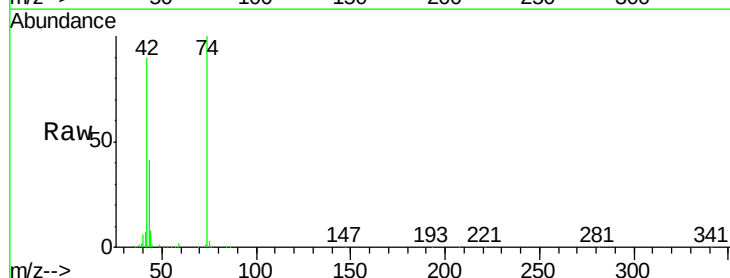
Tgt Ion: 42 Resp: 566198

Ion Ratio Lower Upper

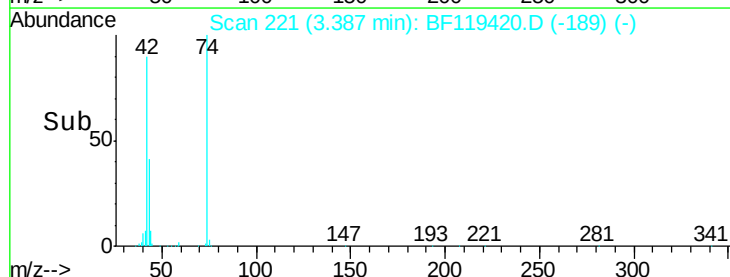
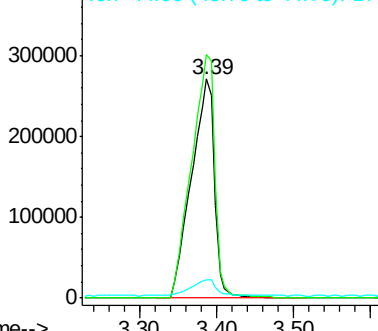
42 100

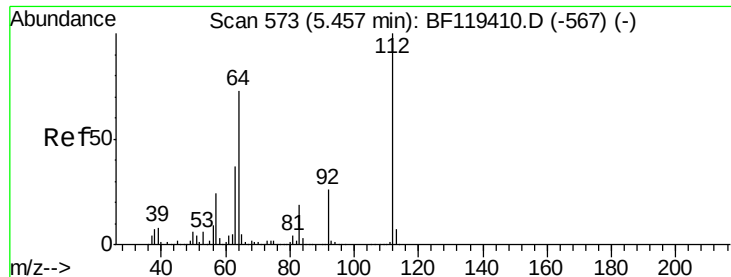
74 111.2 91.3 136.9

44 8.4 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: 105.77 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.02 min

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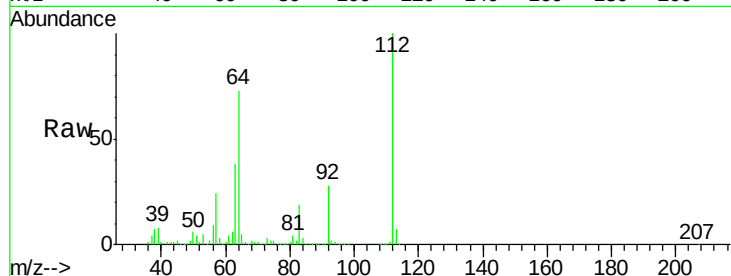
Tgt Ion:112 Resp: 2190861

Ion Ratio Lower Upper

112 100

64 72.7 58.1 87.1

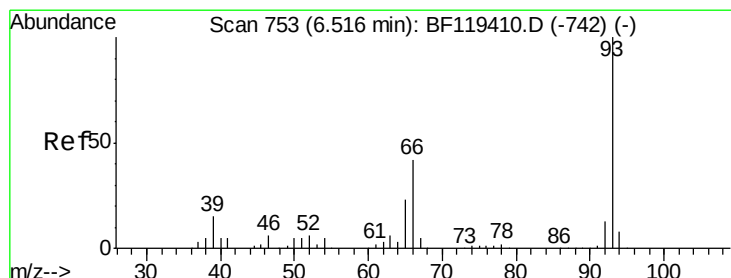
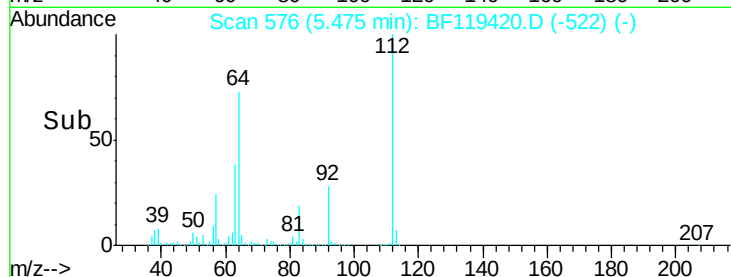
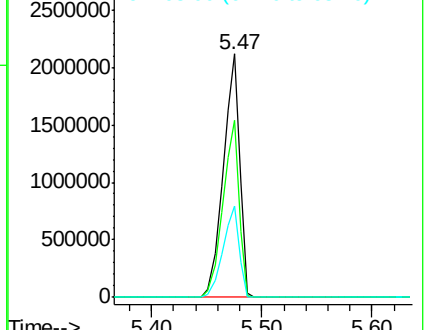
63 37.7 29.7 44.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 15.59 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

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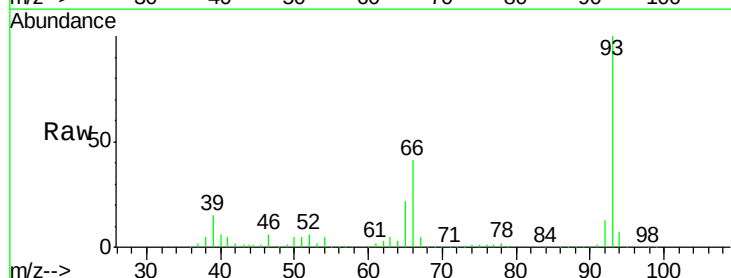
Tgt Ion: 93 Resp: 569468

Ion Ratio Lower Upper

93 100

66 41.3 34.2 51.4

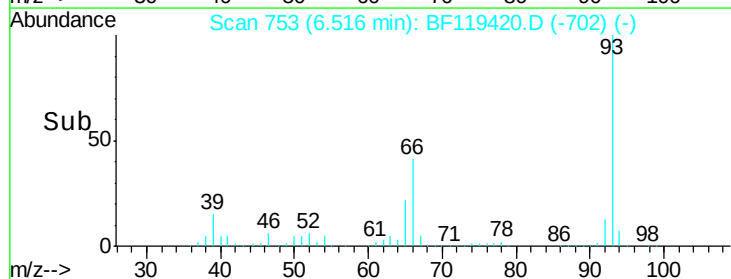
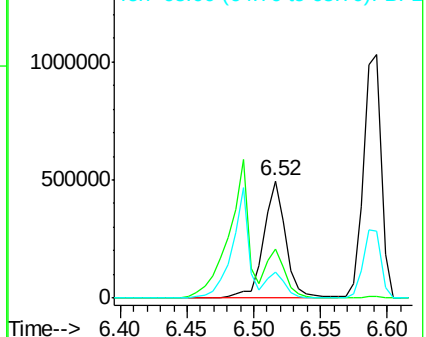
65 22.1 18.2 27.4

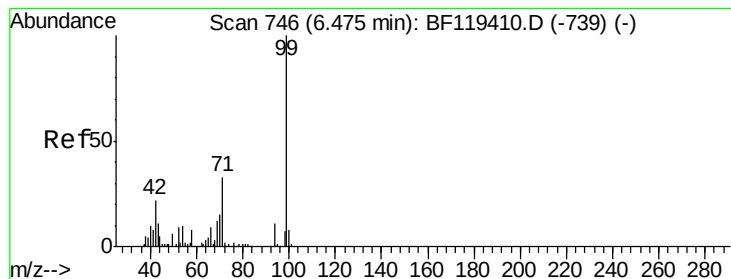


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 107.13 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

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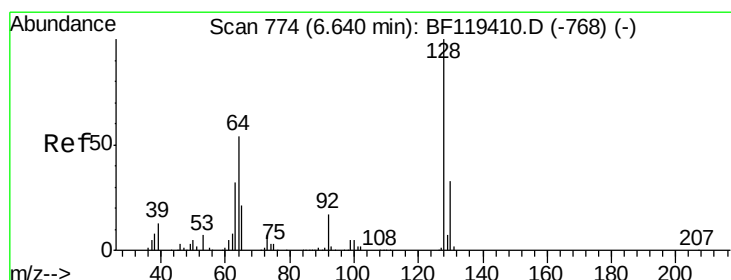
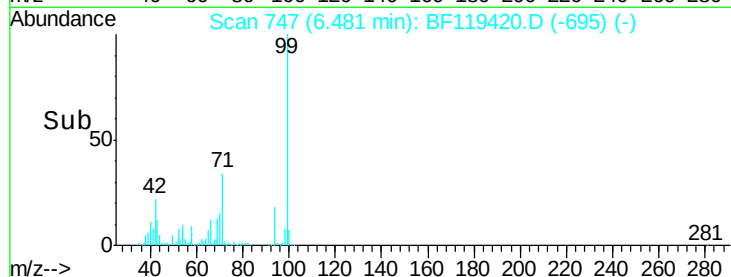
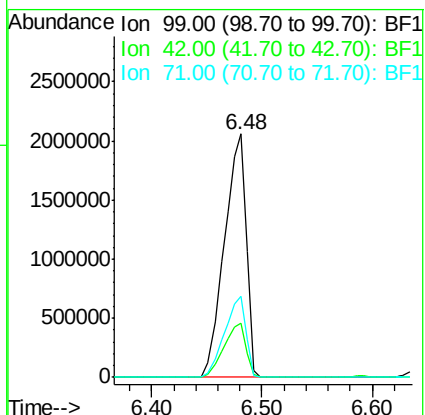
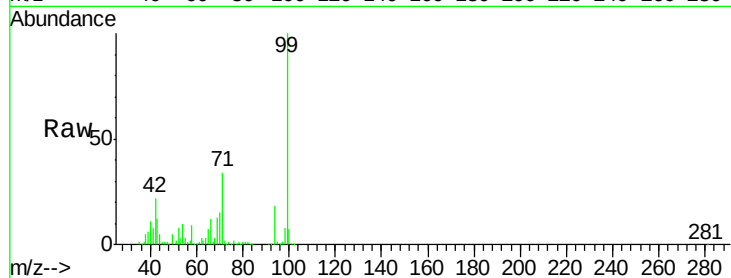
Tgt Ion: 99 Resp: 2834754

Ion Ratio Lower Upper

99 100

42 22.5 17.8 26.6

71 33.6 26.0 39.0



#8

2-Chlorophenol

Concen: 44.94 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

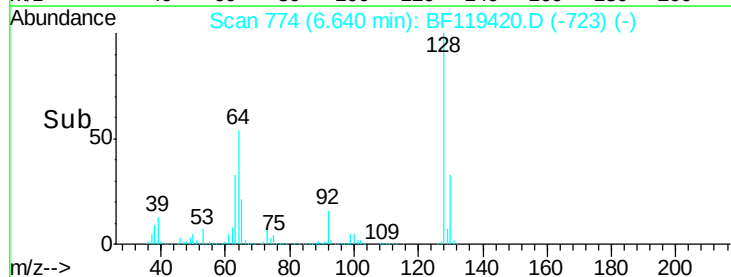
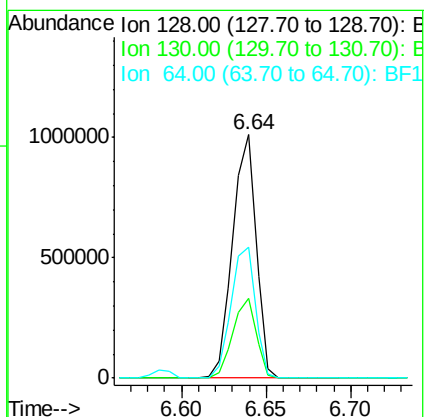
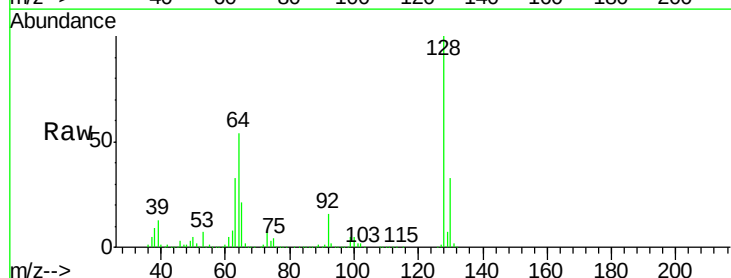
Tgt Ion: 128 Resp: 977672

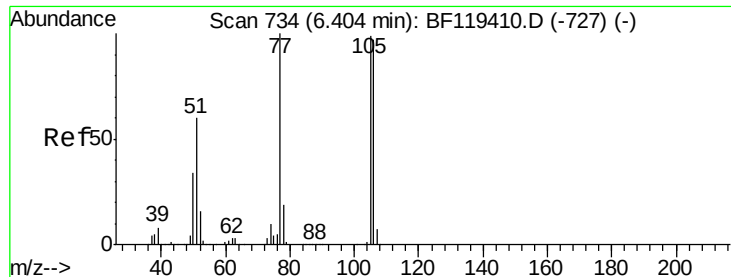
Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

64 53.7 35.1 75.1





#9

Benzaldehyde

Concen: 38.19 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

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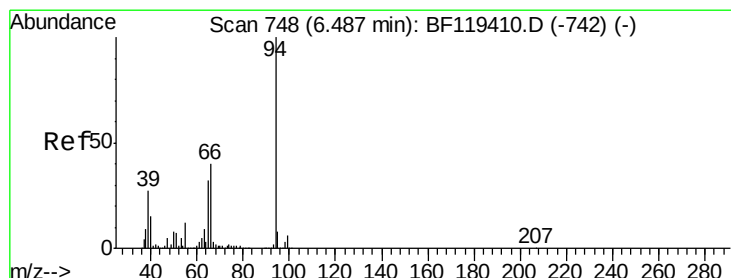
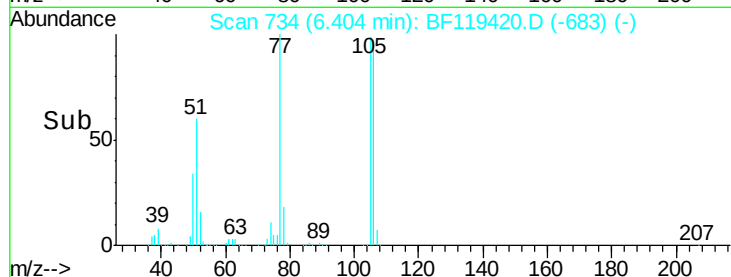
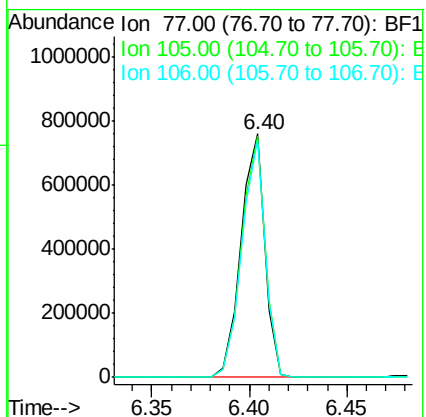
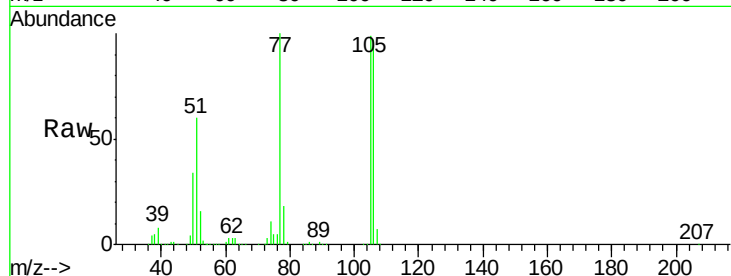
Tgt Ion: 77 Resp: 641012

Ion Ratio Lower Upper

77 100

105 99.1 78.6 118.6

106 97.3 76.5 116.5



#10

Phenol

Concen: 41.71 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119420.D

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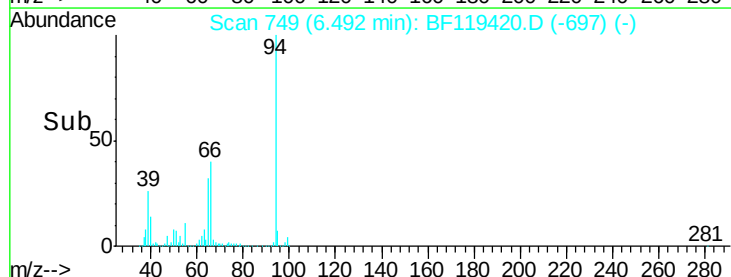
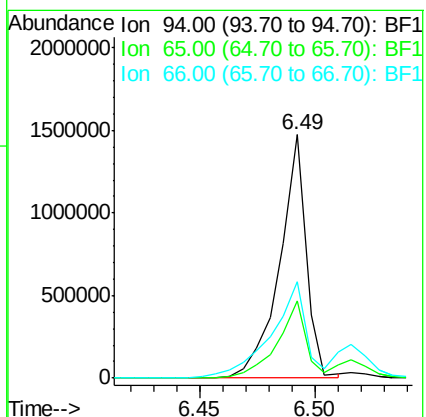
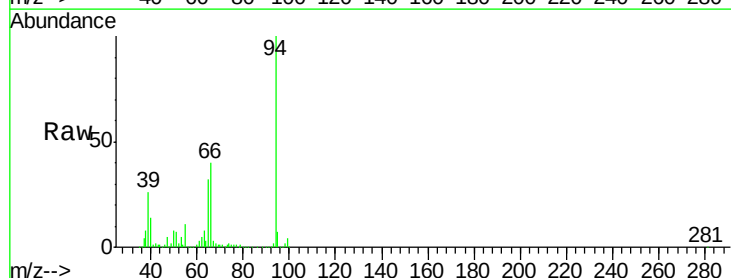
Tgt Ion: 94 Resp: 1177641

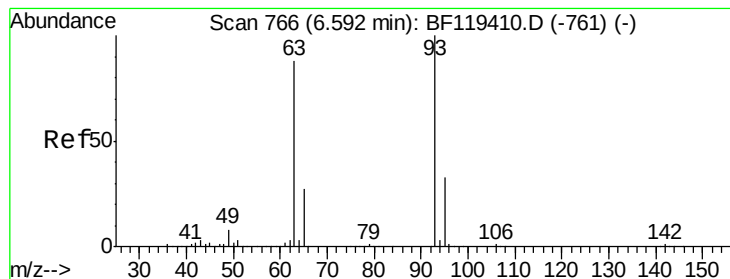
Ion Ratio Lower Upper

94 100

65 31.8 12.0 52.0

66 39.6 20.6 60.6





#11

bis(2-Chloroethyl)ether

Concen: 41.52 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

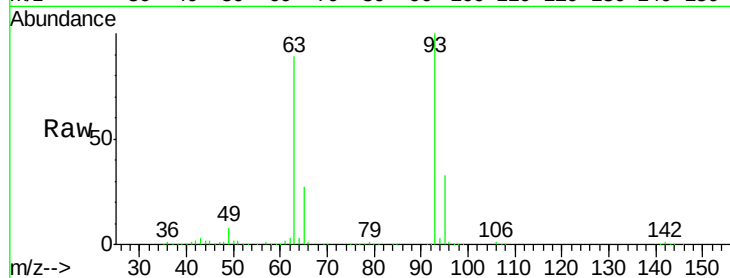
Tgt Ion: 93 Resp: 937461

Ion Ratio Lower Upper

93 100

63 89.0 68.4 108.4

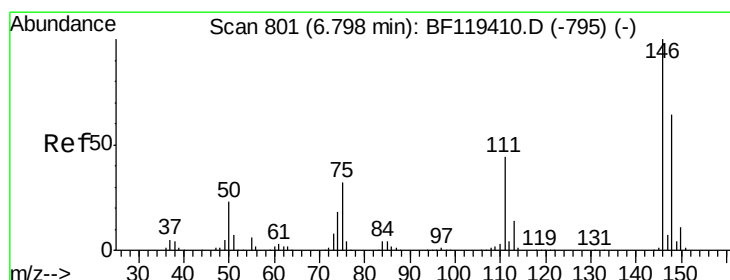
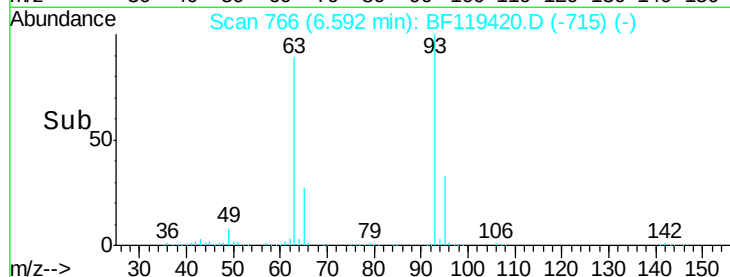
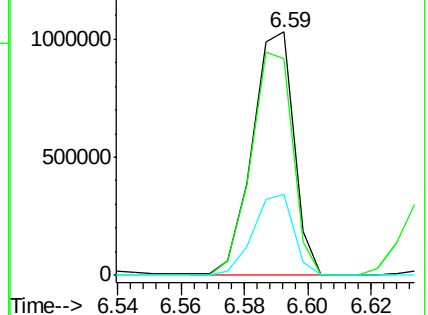
95 33.4 13.4 53.4



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: 41.21 ng

RT: 6.80 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

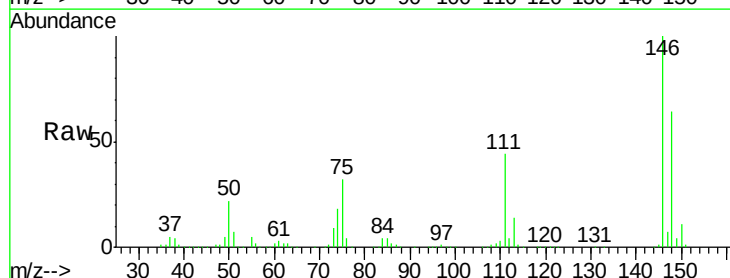
Tgt Ion: 146 Resp: 970308

Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.0

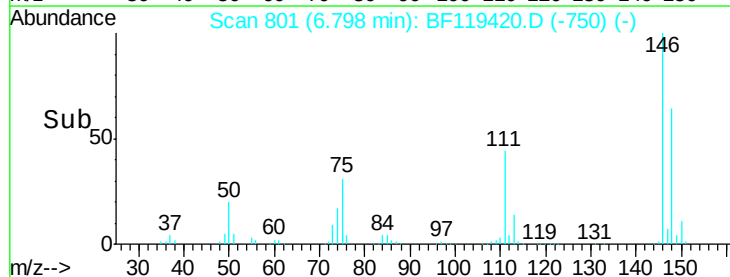
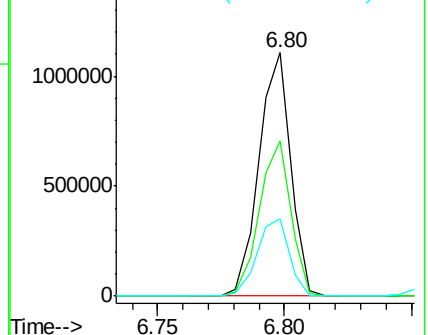
75 31.8 25.8 38.8

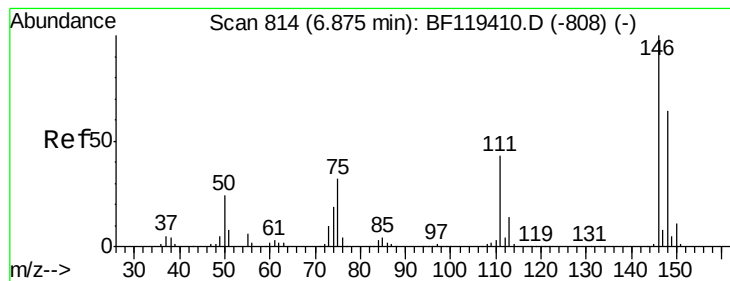


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 41.07 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

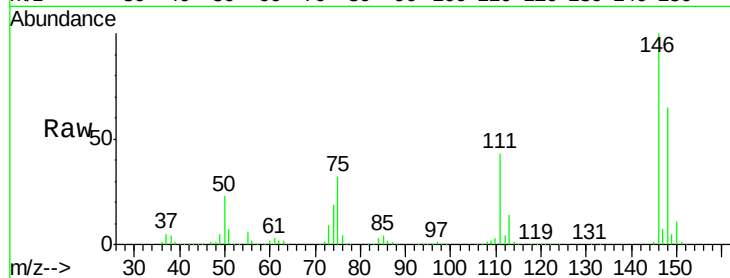
Tgt Ion:146 Resp: 967202

Ion Ratio Lower Upper

146 100

148 65.3 50.9 76.3

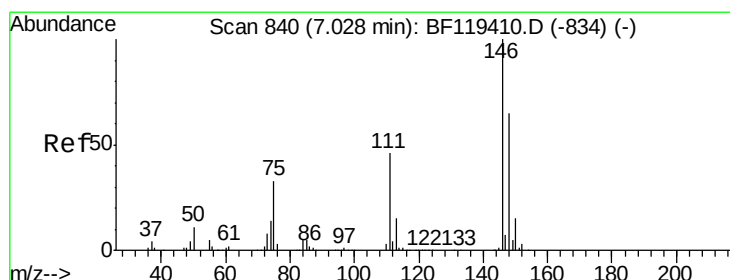
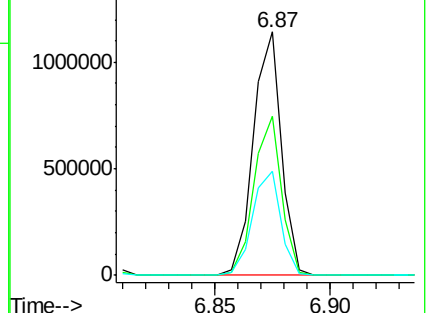
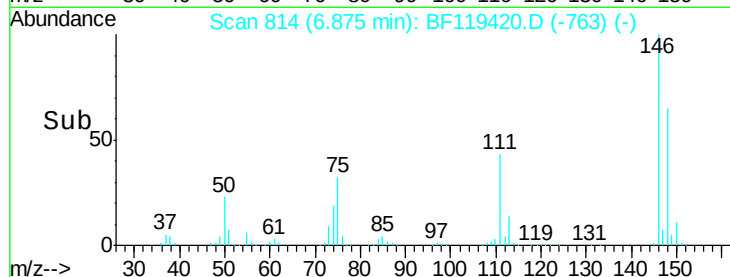
111 42.9 34.6 52.0



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: 41.16 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

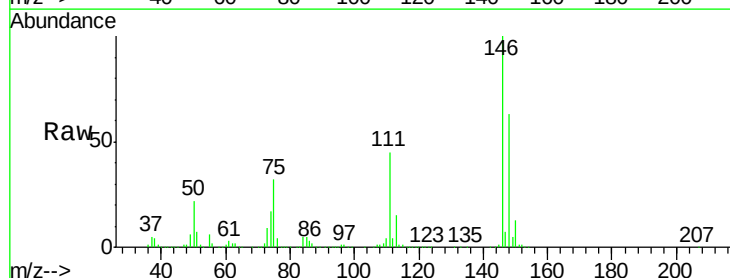
Tgt Ion:146 Resp: 906143

Ion Ratio Lower Upper

146 100

148 63.3 51.7 77.5

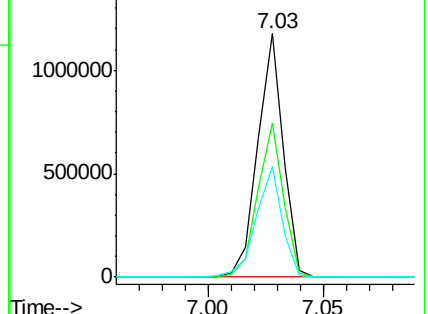
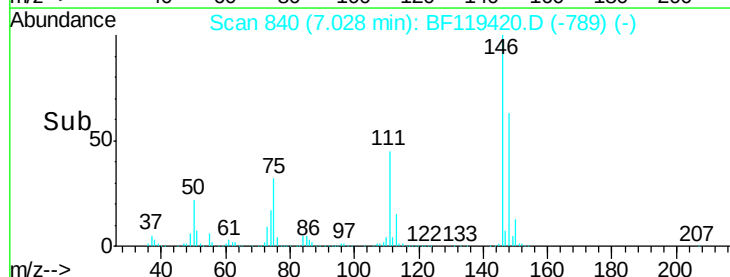
111 45.2 36.4 54.6

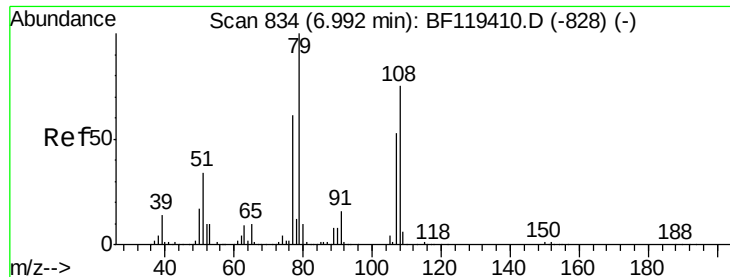


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.41 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

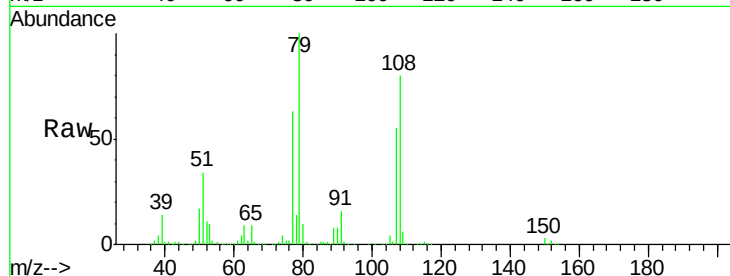
Tgt Ion: 79 Resp: 844170

Ion Ratio Lower Upper

79 100

108 79.6 60.4 90.6

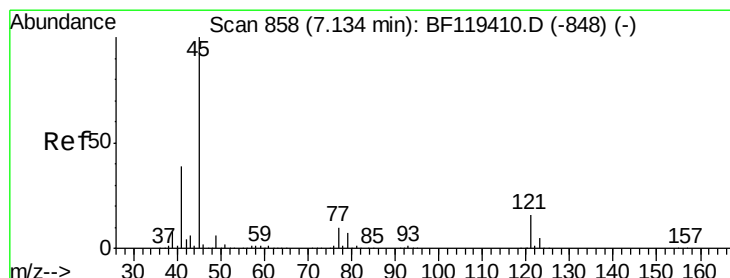
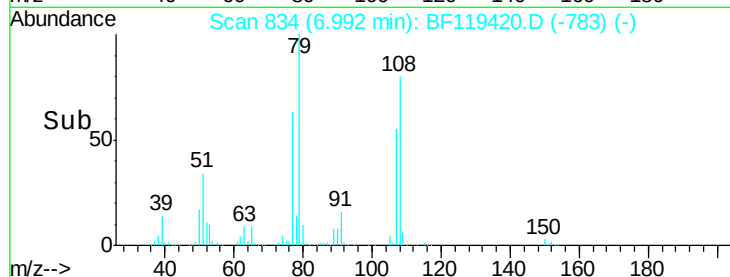
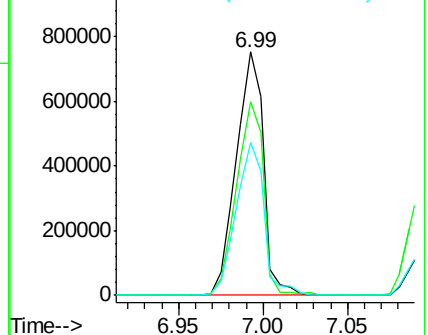
77 62.8 49.0 73.4



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.78 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

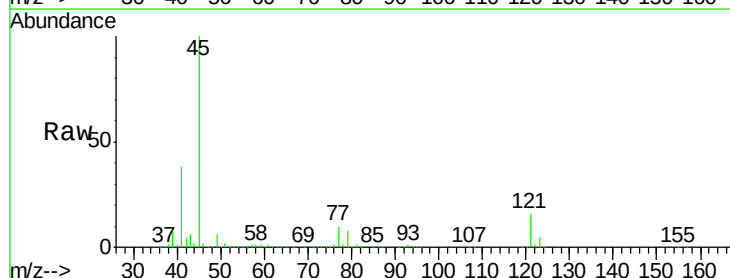
Tgt Ion: 45 Resp: 1903077

Ion Ratio Lower Upper

45 100

77 10.5 0.0 30.1

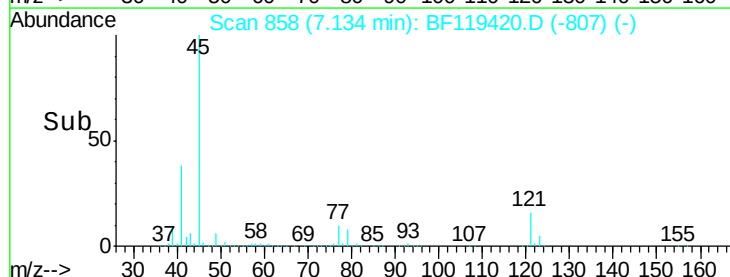
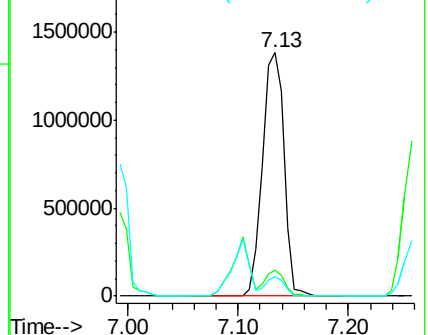
79 7.9 0.0 27.4

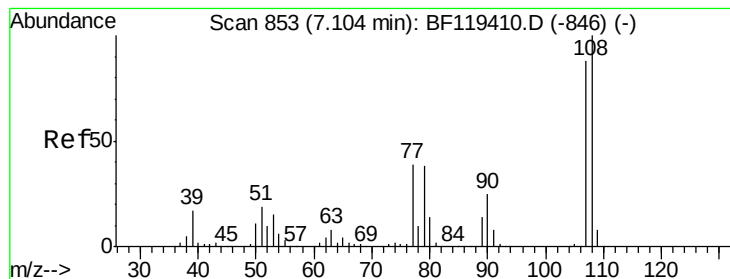


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 39.69 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tgt Ion:107 Resp: 791100

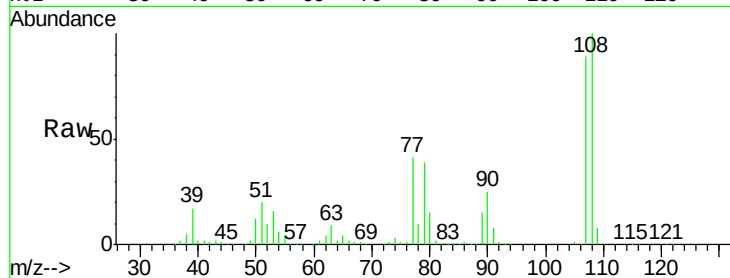
Ion Ratio Lower Upper

107 100

108 111.8 90.7 136.1

77 45.9 35.6 53.4

79 43.9 34.7 52.1

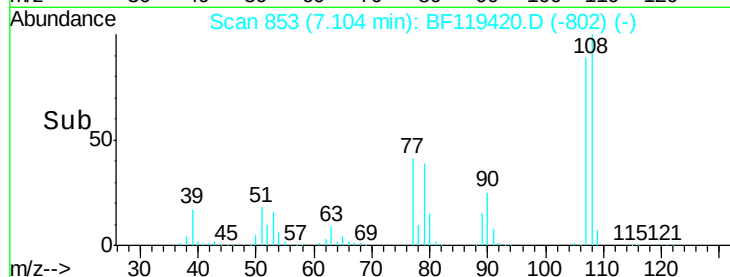


Abundance Ion 107.00 (106.70 to 107.70): E

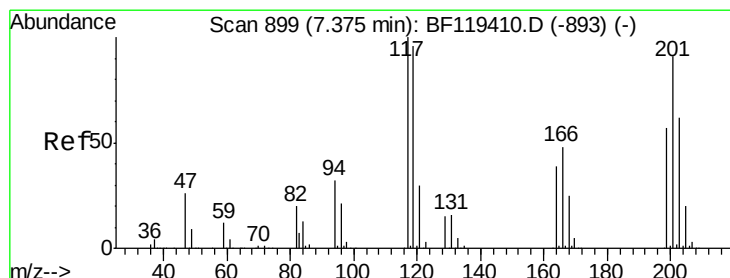
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 43.81 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

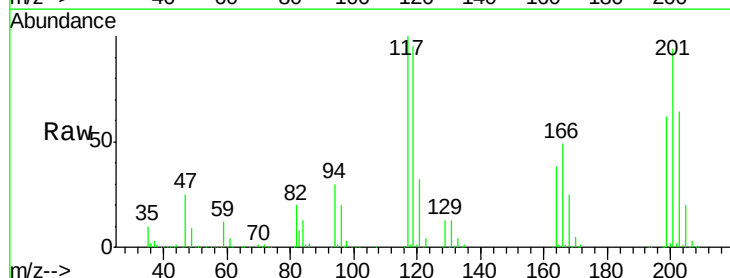
Tgt Ion:117 Resp: 378120

Ion Ratio Lower Upper

117 100

119 95.4 76.8 115.2

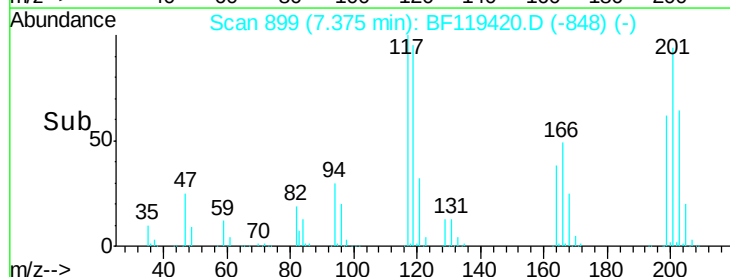
201 94.2 72.5 108.7



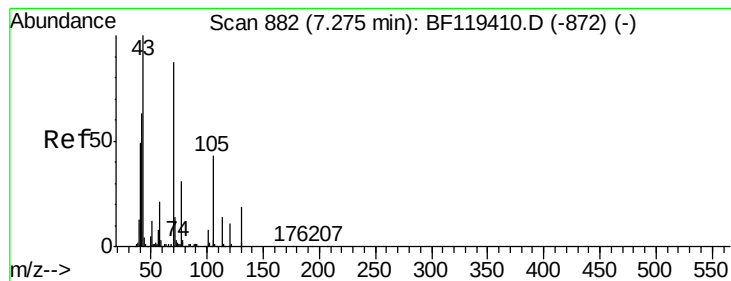
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 41.98 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tgt Ion: 70 Resp: 669505

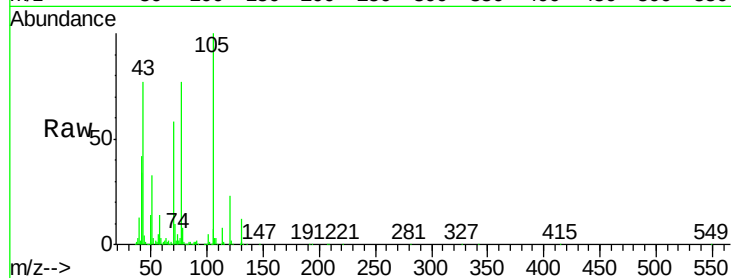
Ion Ratio Lower Upper

70 100

42 73.6 58.2 87.4

101 9.2 7.4 11.2

130 20.1 17.8 26.8

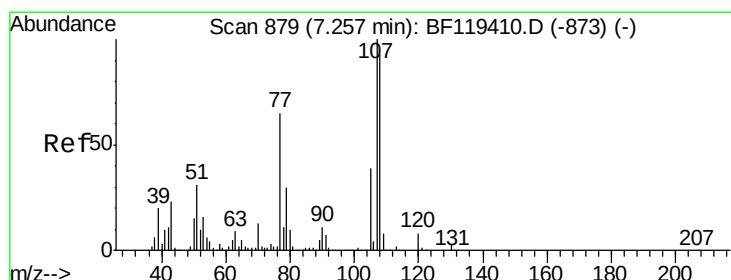
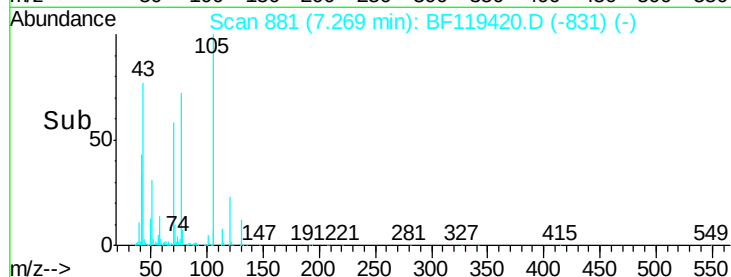
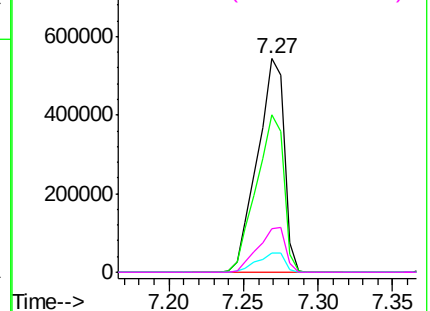


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 32.38 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.15 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion: 107 Resp: 791100

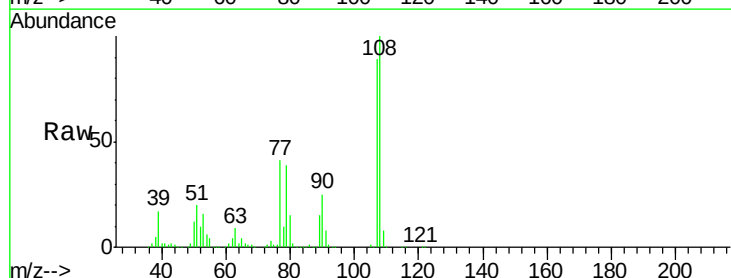
Ion Ratio Lower Upper

107 100

108 111.8 72.6 112.6

77 45.9 44.7 84.7

79 43.9 10.2 50.2

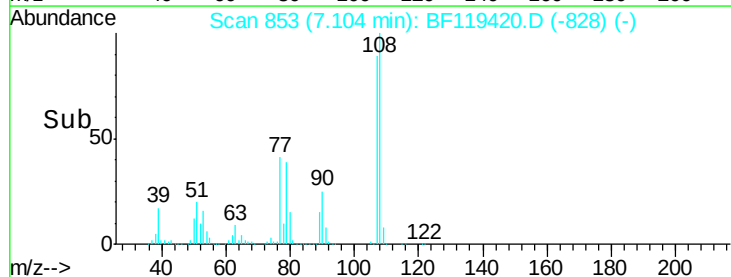
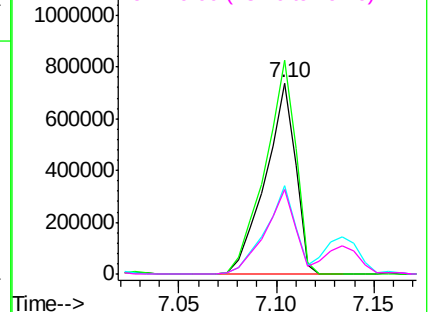


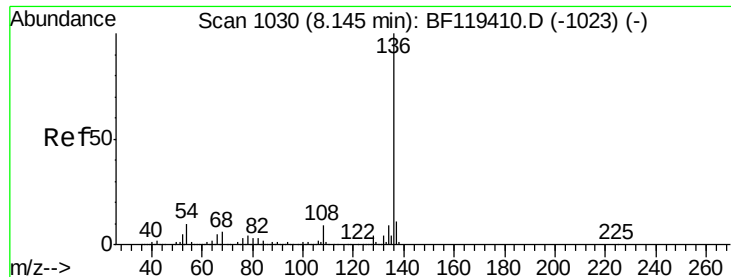
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

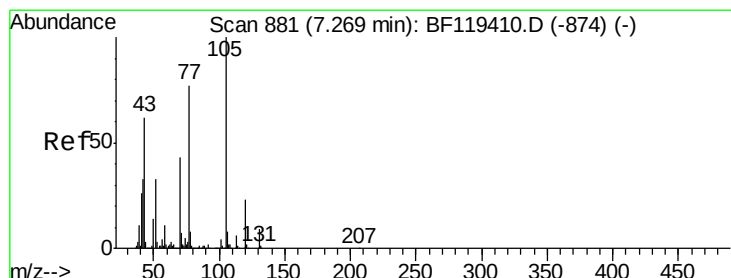
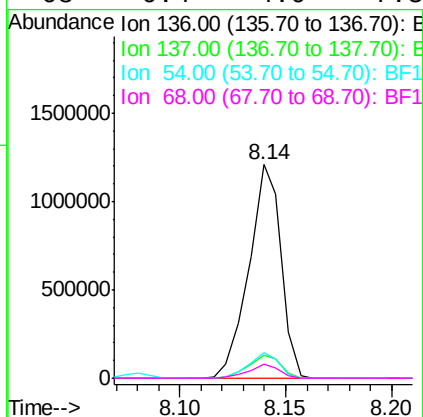
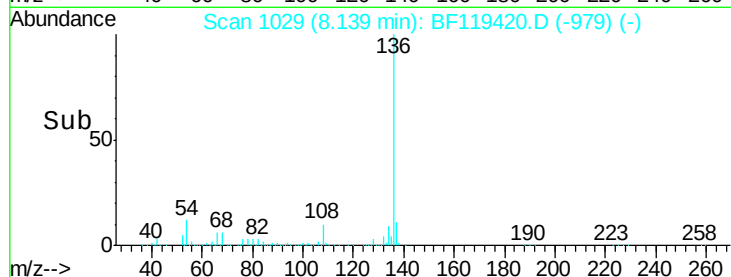
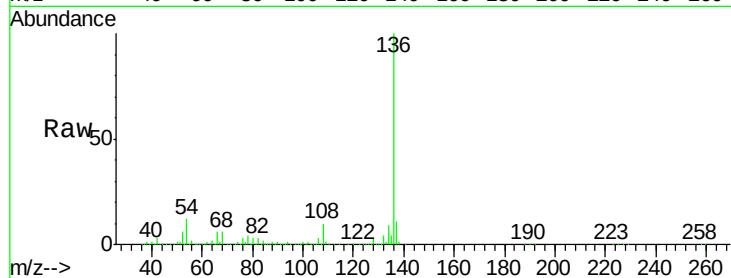




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

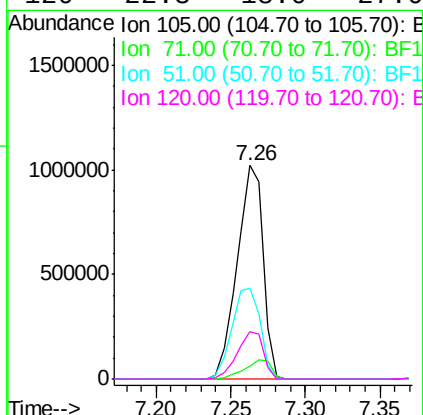
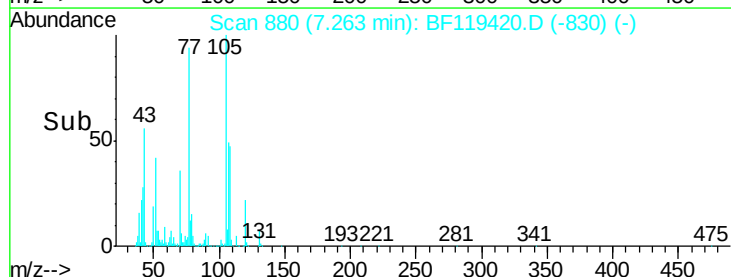
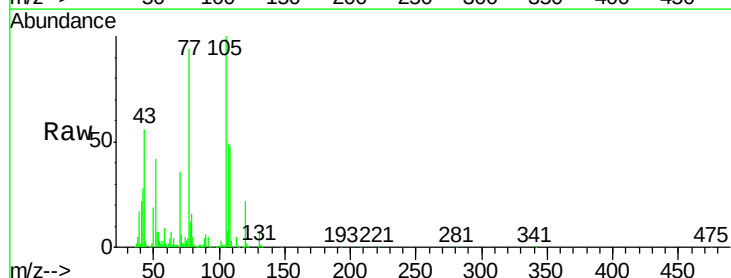
Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

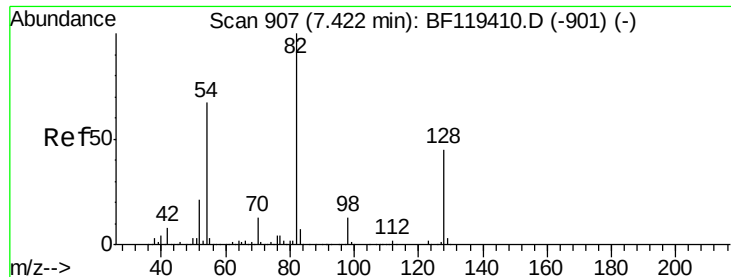
Tgt Ion:136 Resp: 1277509
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 11.7 8.3 12.5
68 6.4 4.9 7.3



#22
Acetophenone
Concen: 40.45 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:105 Resp: 1234652
Ion Ratio Lower Upper
105 100
71 6.3 5.8 8.6
51 42.5 26.8 40.2#
120 22.3 18.0 27.0

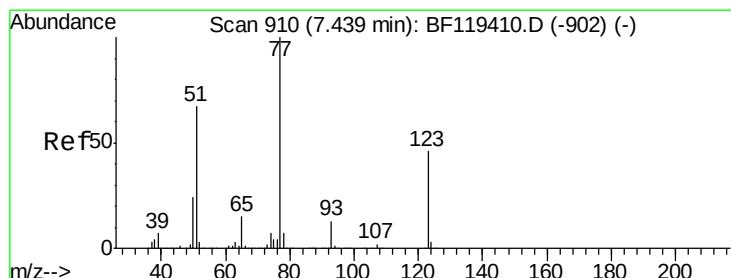
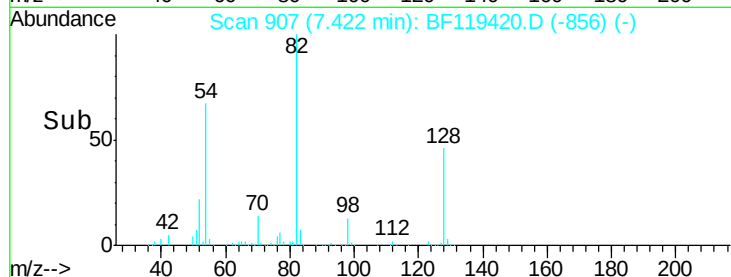
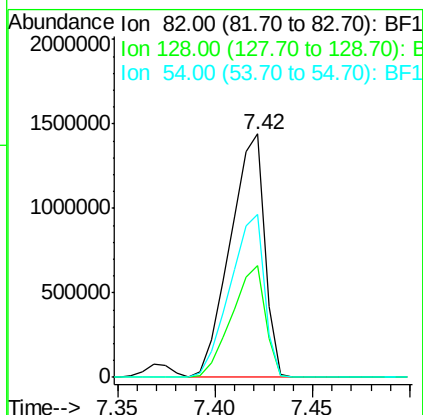
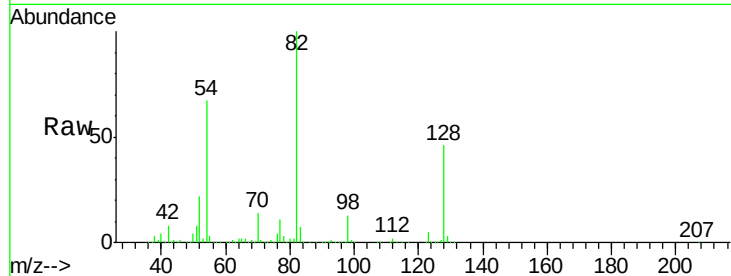




#23
Nitrobenzene-d5
Concen: 74.99 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

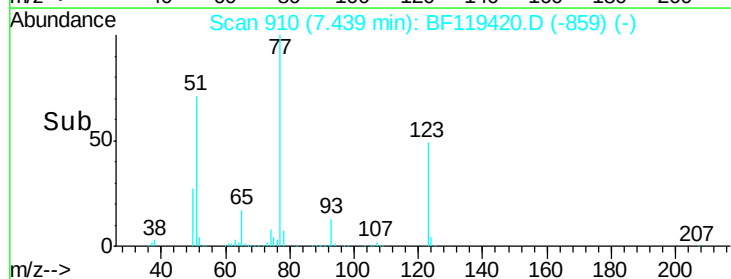
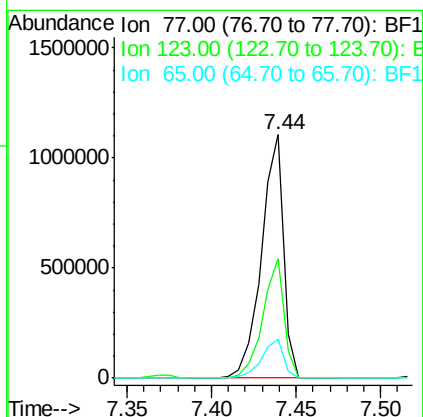
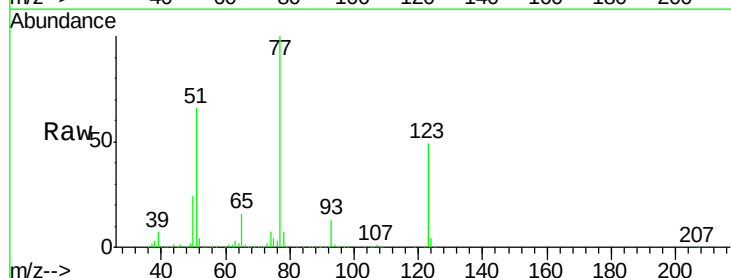
Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

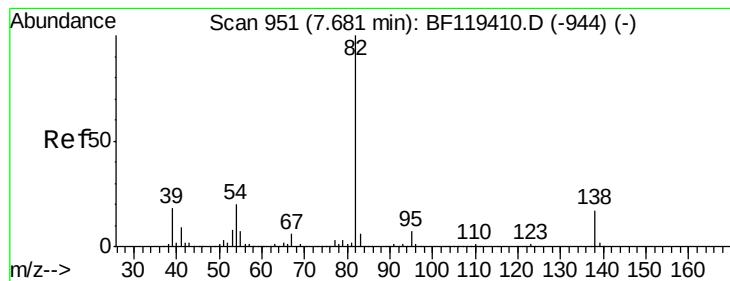
Tgt Ion: 82 Resp: 1762699
Ion Ratio Lower Upper
82 100
128 46.2 35.8 53.8
54 66.7 53.4 80.0



#24
Nitrobenzene
Concen: 39.90 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion: 77 Resp: 1002202
Ion Ratio Lower Upper
77 100
123 49.0 36.9 55.3
65 15.7 12.2 18.4





#25

Isophorone

Concen: 39.02 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

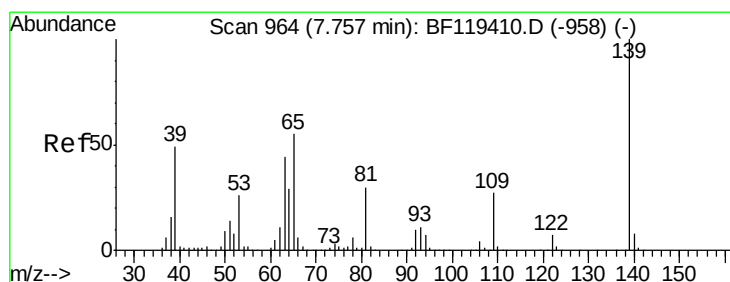
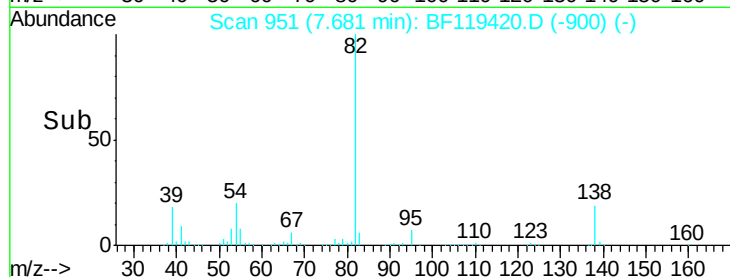
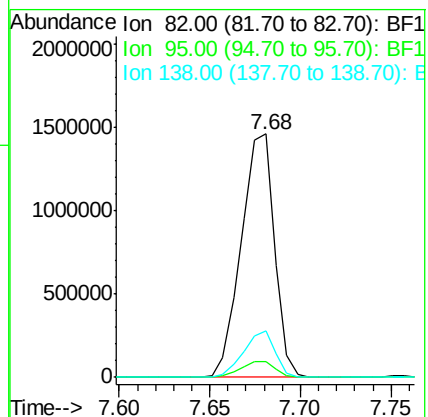
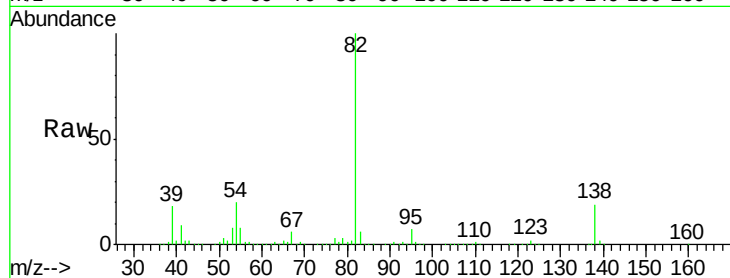
Tgt Ion: 82 Resp: 1860745

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

138 18.9 13.8 20.8



#26

2-Nitrophenol

Concen: 49.09 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

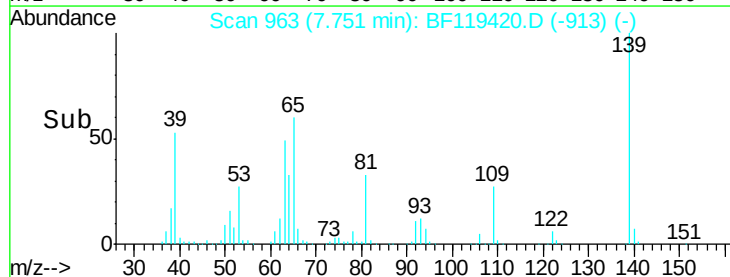
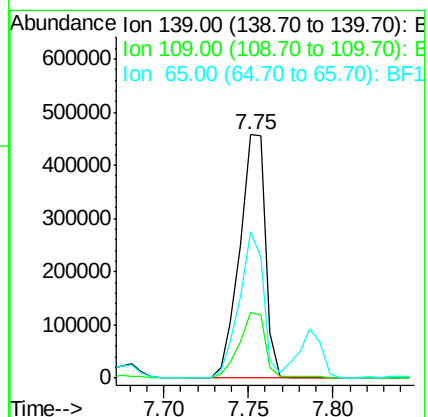
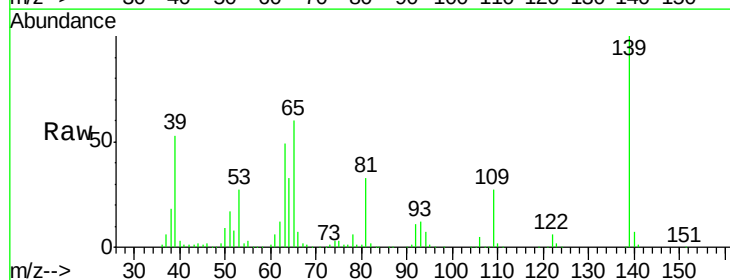
Tgt Ion: 139 Resp: 485584

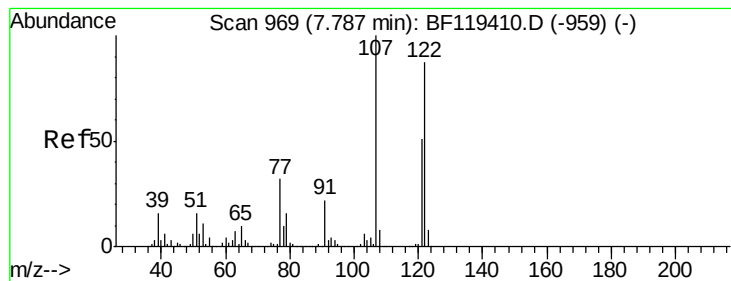
Ion Ratio Lower Upper

139 100

109 26.9 21.7 32.5

65 60.1 43.9 65.9





#27

2,4-Dimethylphenol

Concen: 43.57 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

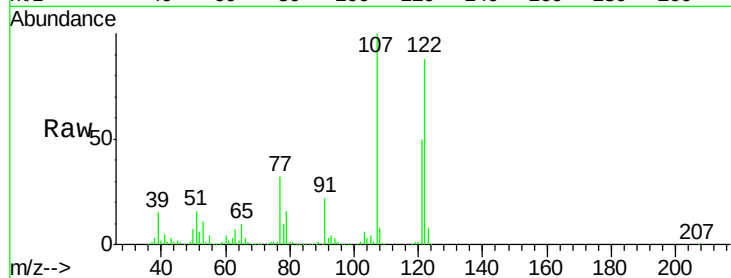
Tgt Ion:122 Resp: 891165

Ion Ratio Lower Upper

122 100

107 113.9 91.8 137.6

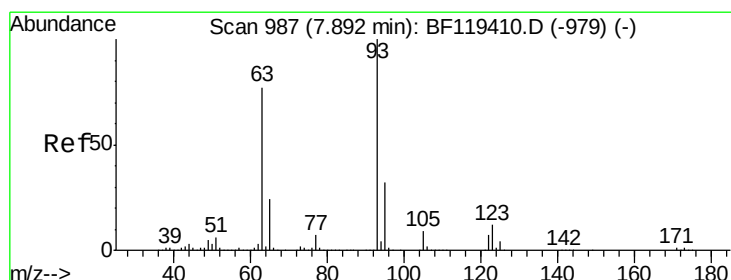
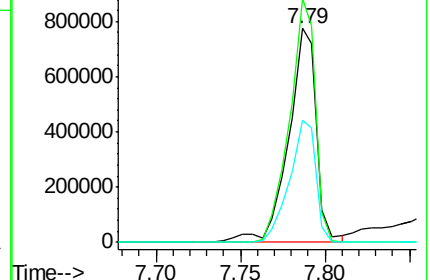
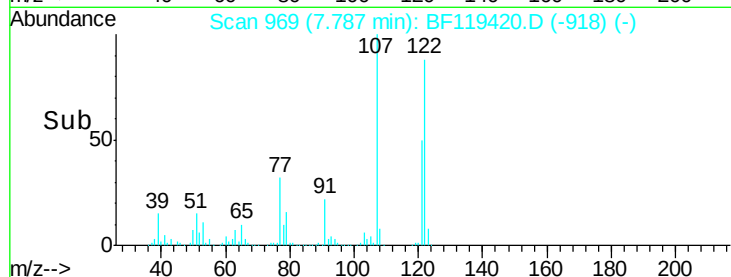
121 57.2 46.5 69.7



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: 41.28 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

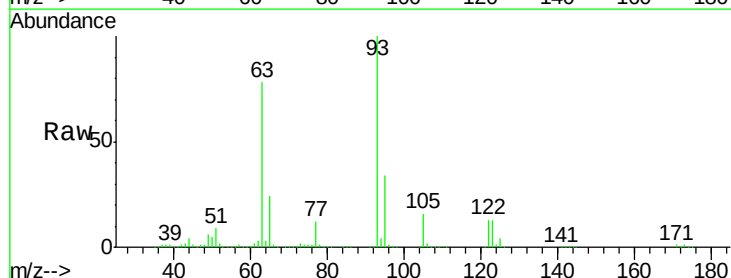
Tgt Ion: 93 Resp: 1163909

Ion Ratio Lower Upper

93 100

95 33.8 26.0 39.0

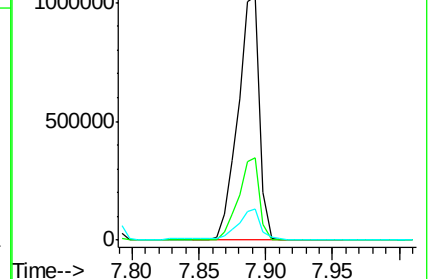
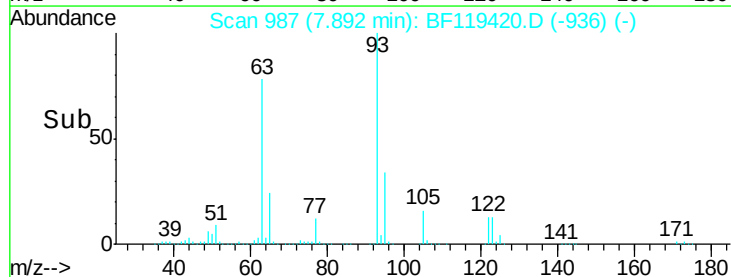
123 12.9 9.7 14.5

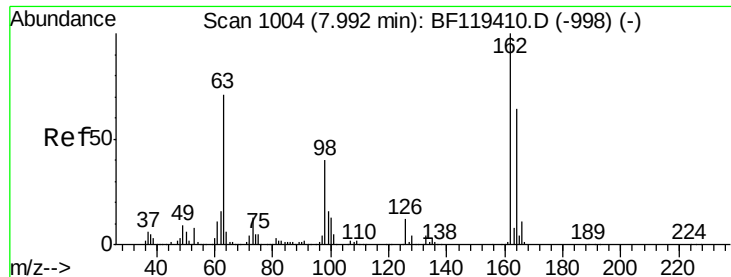


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

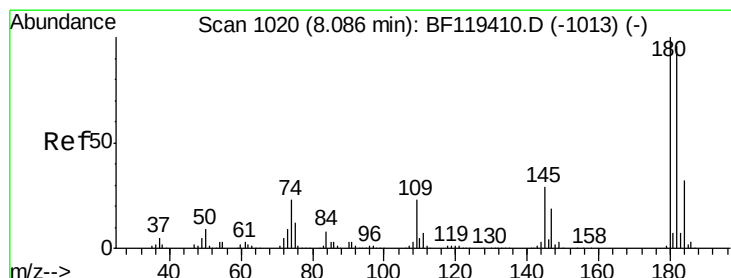
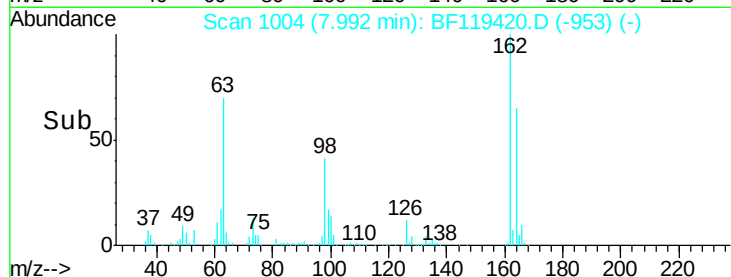
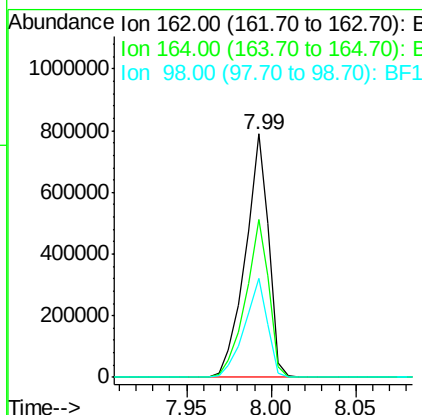
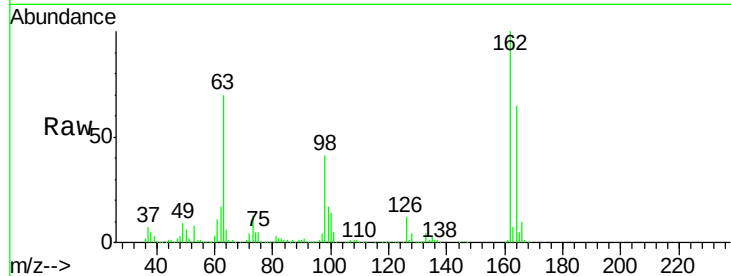




#29
 2,4-Dichlorophenol
 Concen: 40.62 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

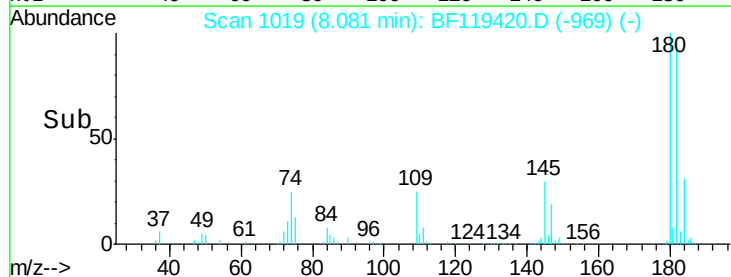
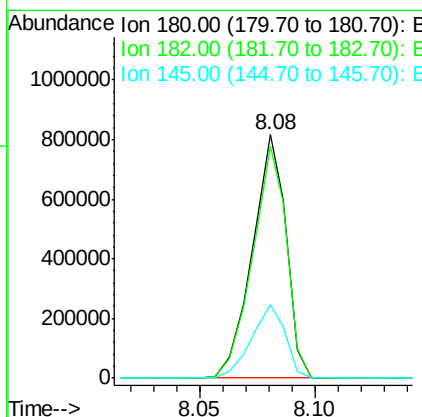
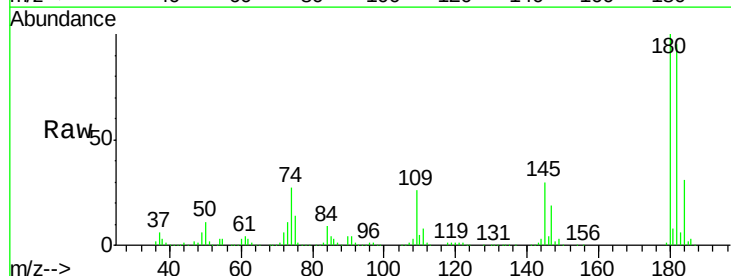
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

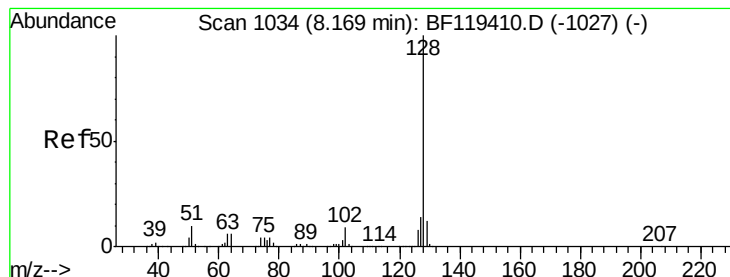
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.6	83.6
98	40.7	20.4	60.4



#30
 1,2,4-Trichlorobenzene
 Concen: 39.94 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.6	115.0
145	30.2	23.2	34.8





#31

Naphthalene

Concen: 40.23 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

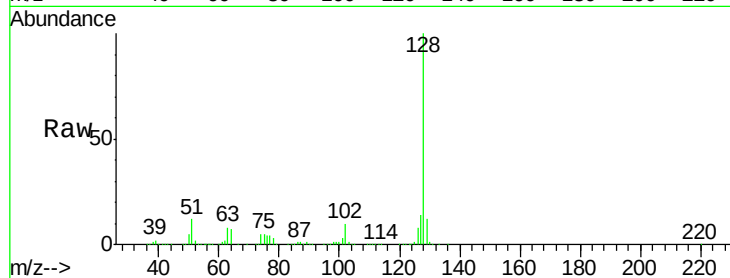
Tgt Ion:128 Resp: 2644736

Ion Ratio Lower Upper

128 100

129 12.1 9.3 13.9

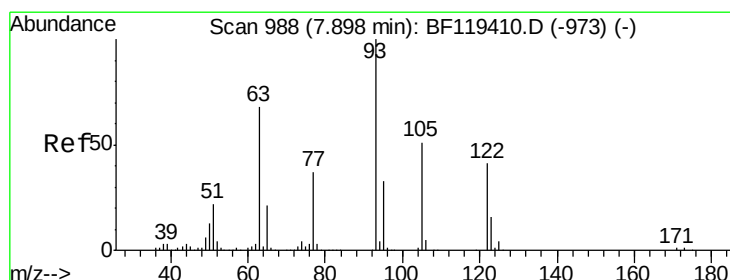
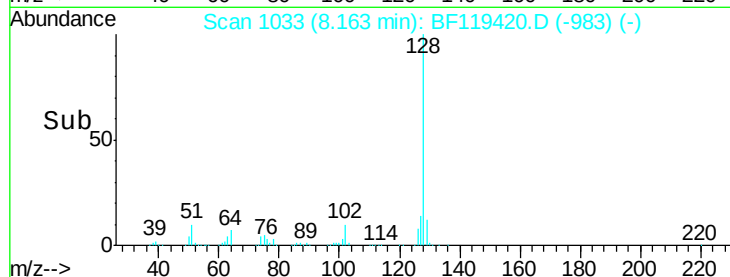
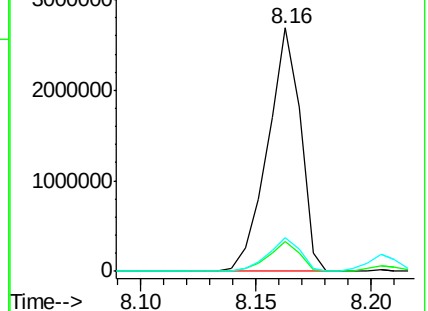
127 14.0 11.0 16.4



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: 44.02 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

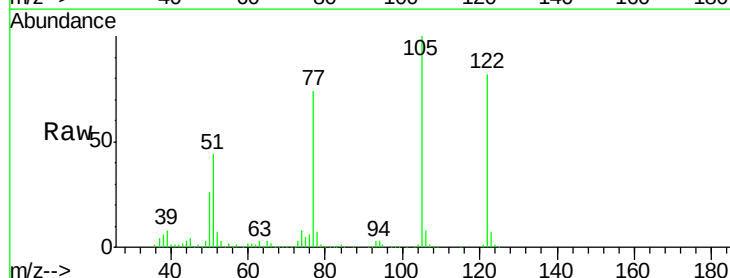
Tgt Ion:122 Resp: 579136

Ion Ratio Lower Upper

122 100

105 122.2 102.9 142.9

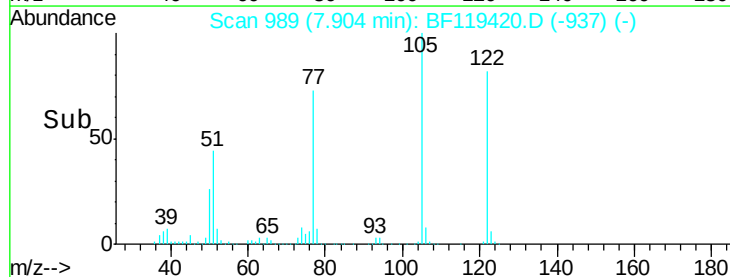
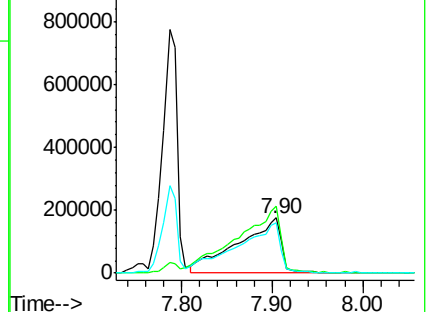
77 90.6 70.1 110.1

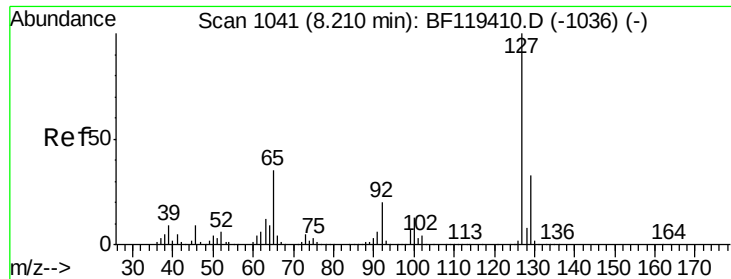


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

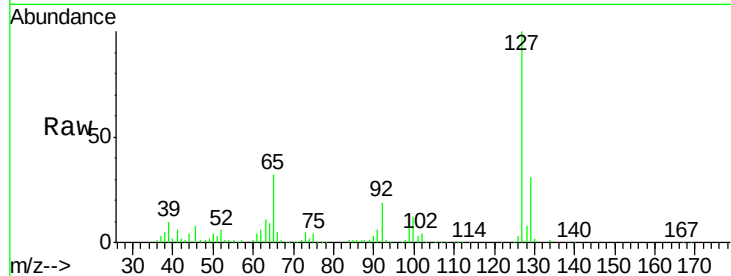




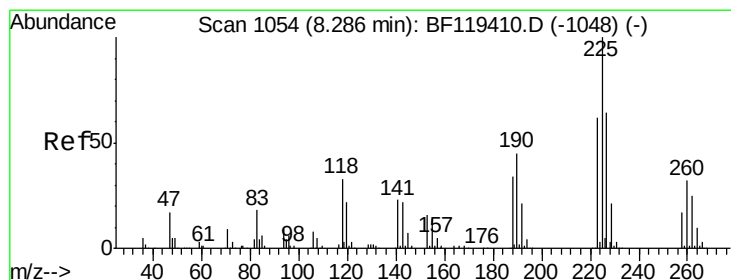
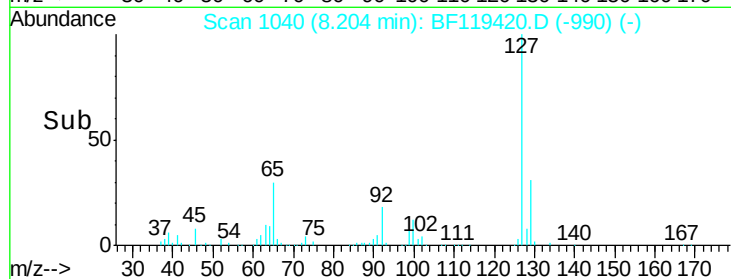
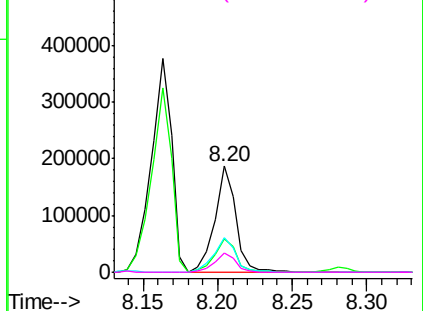
#33
4-Chloroaniline
Concen: 6.14 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tgt Ion:	127	Resp:	184843
Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.2	39.4
65	32.1	27.7	41.5
92	18.6	15.8	23.6

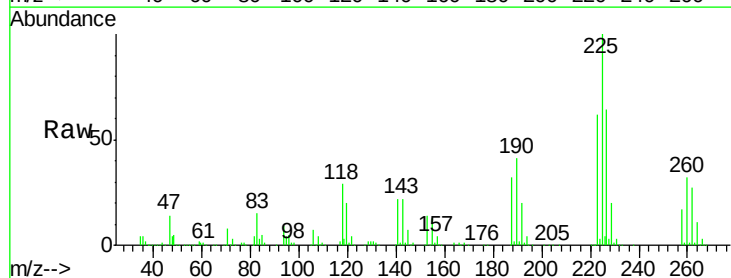


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

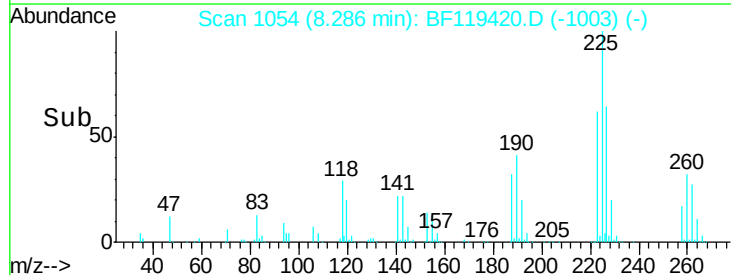
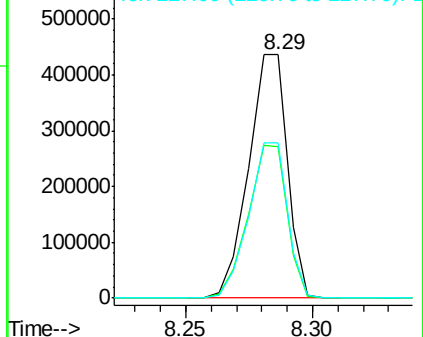


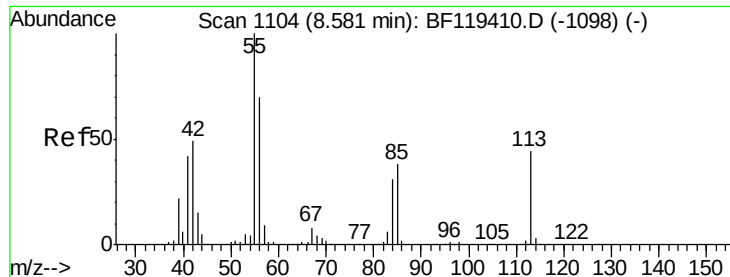
#34
Hexachlorobutadiene
Concen: 40.13 ng
RT: 8.29 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:	225	Resp:	466608
Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.2	73.8
227	63.8	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

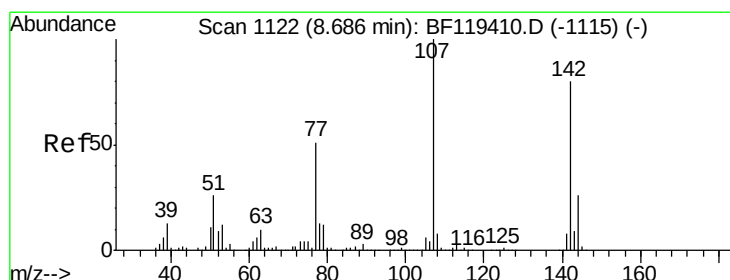
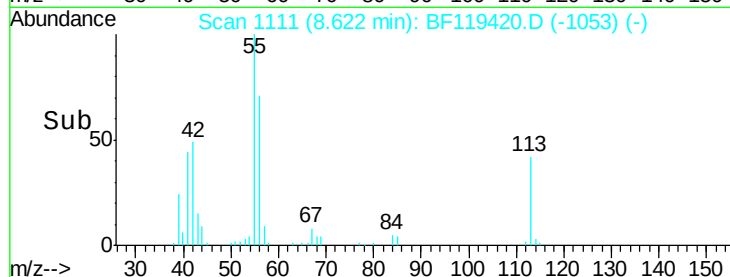
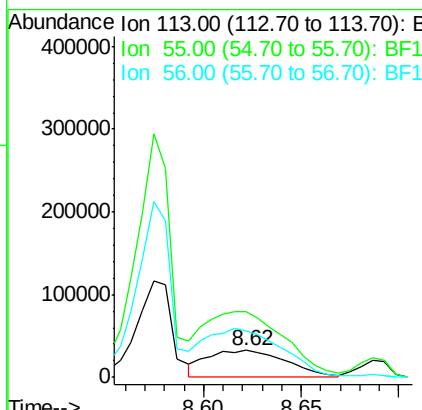
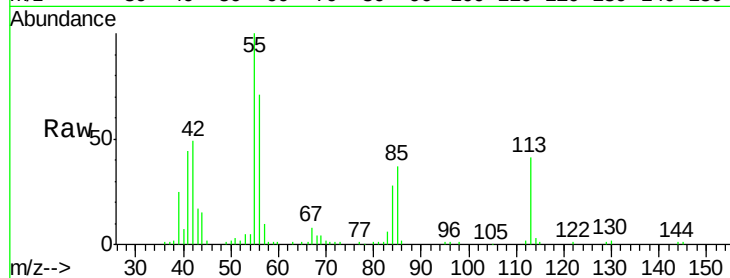




#35
 Caprolactam
 Concen: 15.27 ng
 RT: 8.62 min Scan# 1111
 Delta R.T. 0.04 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

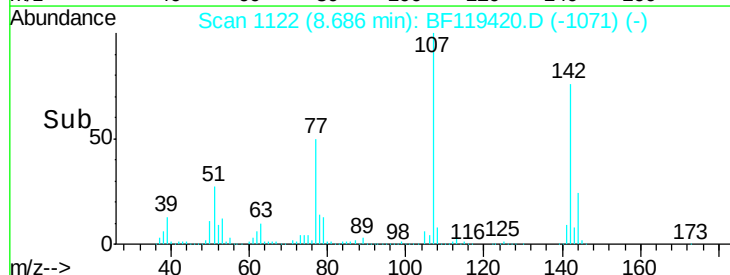
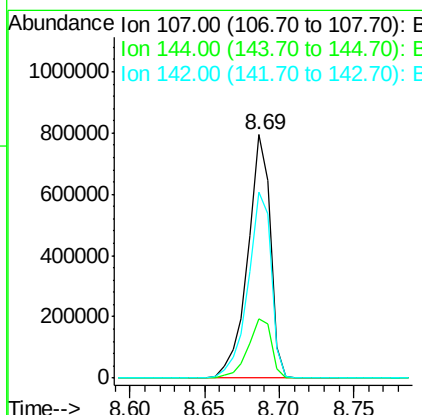
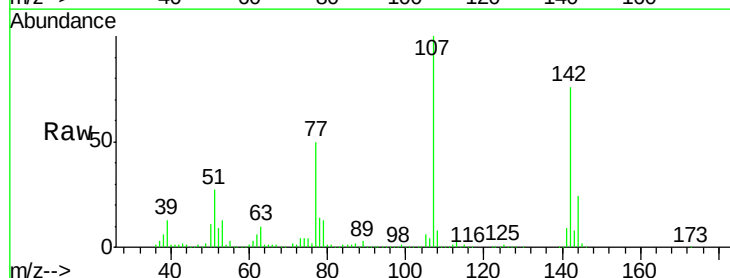
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

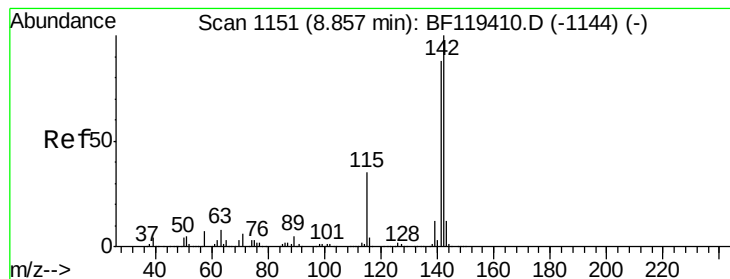
Tgt Ion:113 Resp: 93907
 Ion Ratio Lower Upper
 113 100
 55 243.9 208.4 248.4
 56 172.9 138.9 178.9



#36
 4-Chloro-3-methylphenol
 Concen: 40.39 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion:107 Resp: 829575
 Ion Ratio Lower Upper
 107 100
 144 24.2 20.6 31.0
 142 76.5 63.8 95.6





#37

2-Methylnaphthalene

Concen: 41.51 ng

RT: 8.86 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

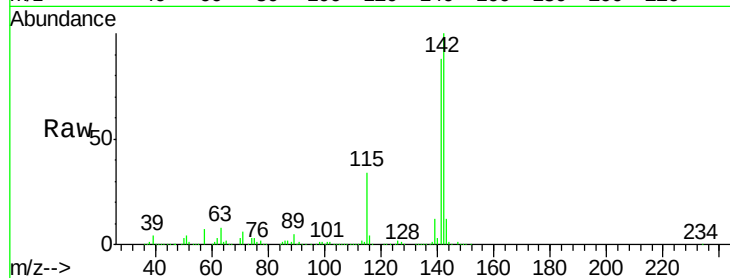
Tgt Ion:142 Resp: 1791151

Ion Ratio Lower Upper

142 100

141 87.6 70.4 105.6

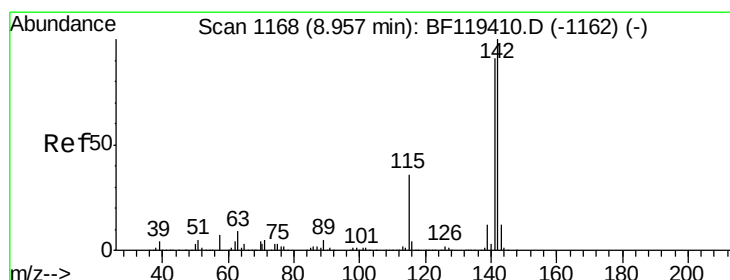
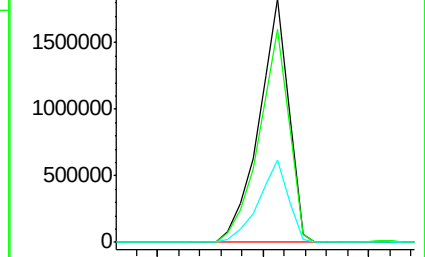
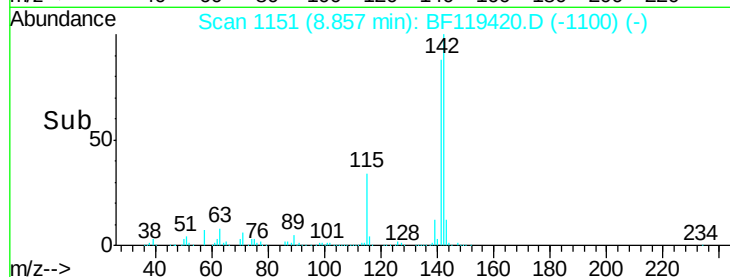
115 34.0 27.8 41.6



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: 40.74 ng

RT: 8.96 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

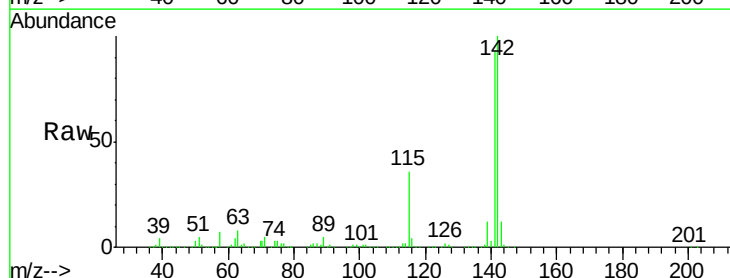
Tgt Ion:142 Resp: 1663731

Ion Ratio Lower Upper

142 100

141 92.8 73.1 109.7

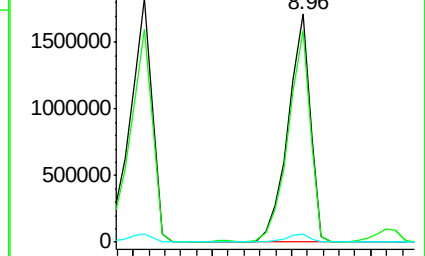
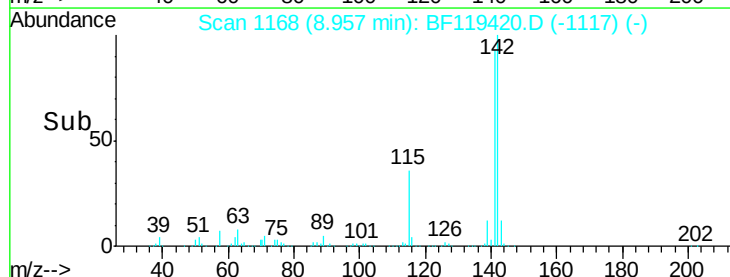
116 3.7 3.0 4.6

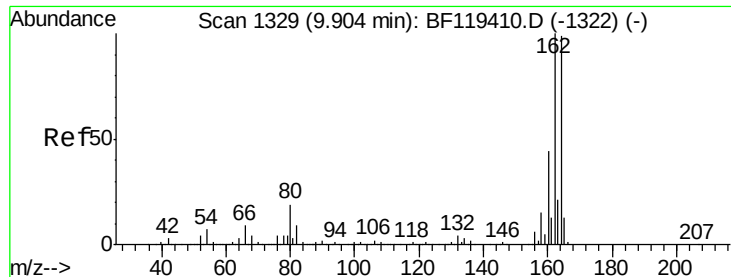


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

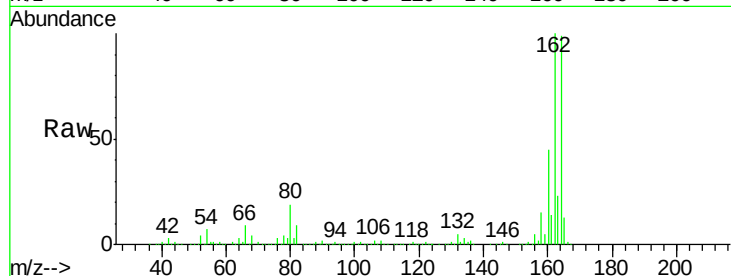




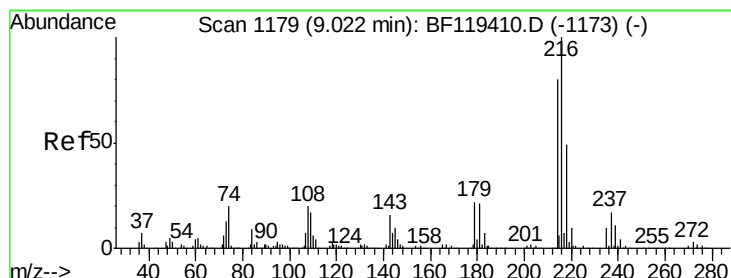
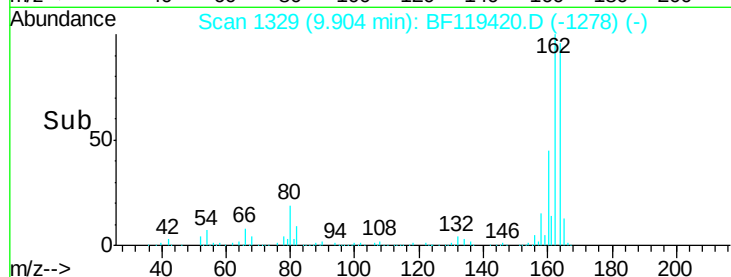
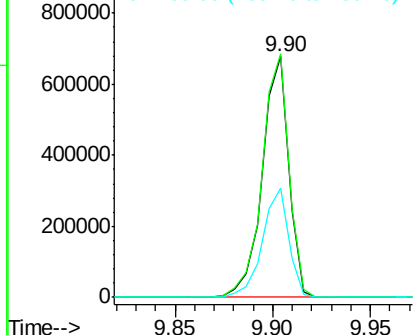
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tgt Ion:164 Resp: 636975
Ion Ratio Lower Upper
164 100
162 101.2 80.7 121.1
160 45.4 35.5 53.3

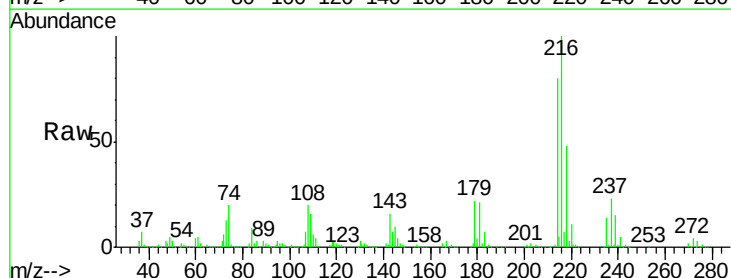


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

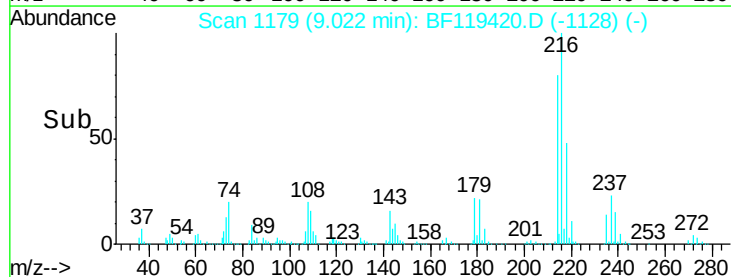
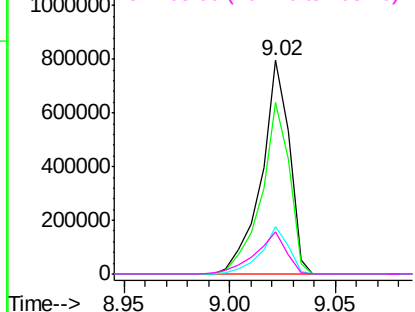


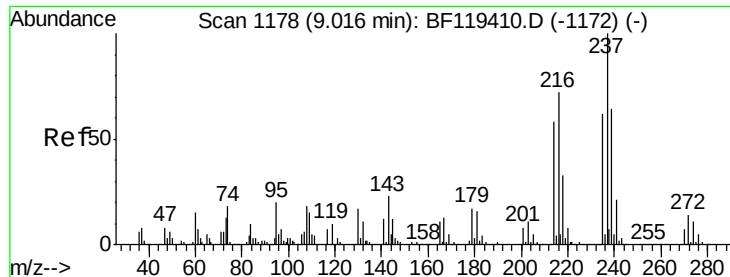
#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.20 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:216 Resp: 731876
Ion Ratio Lower Upper
216 100
214 80.5 63.0 94.6
179 21.7 17.0 25.4
108 21.6 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: 77.54 ng

RT: 9.02 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

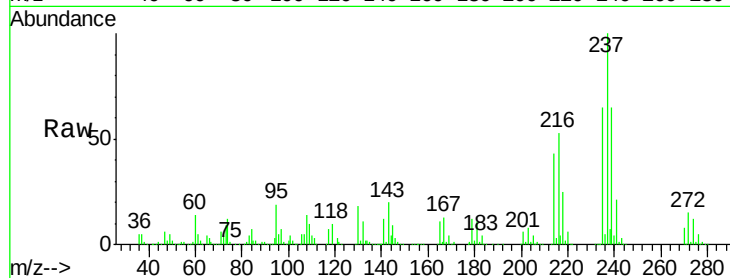
Tgt Ion: 237 Resp: 823035

Ion Ratio Lower Upper

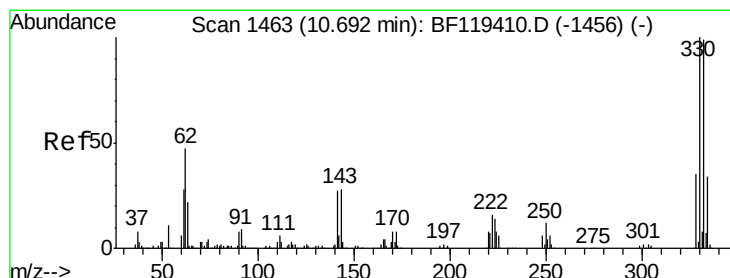
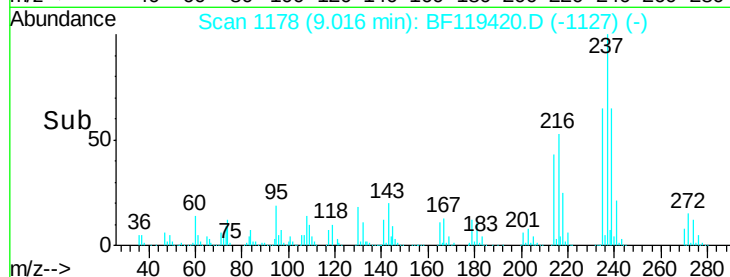
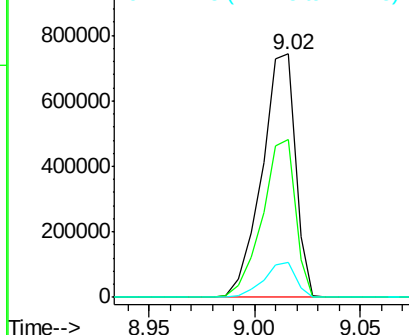
237 100

235 64.6 42.5 82.5

272 14.6 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: 106.76 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

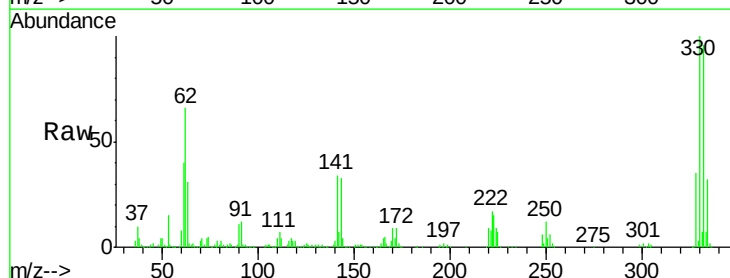
Tgt Ion: 330 Resp: 701597

Ion Ratio Lower Upper

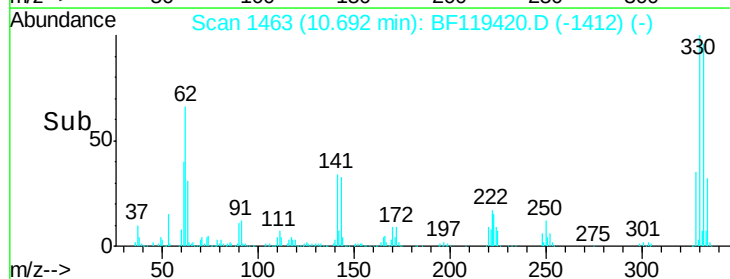
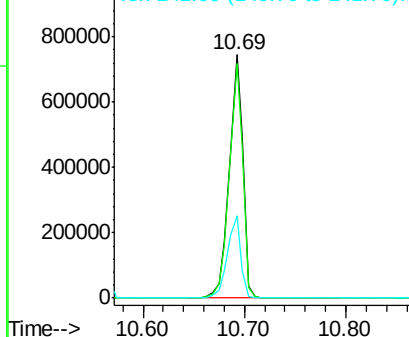
330 100

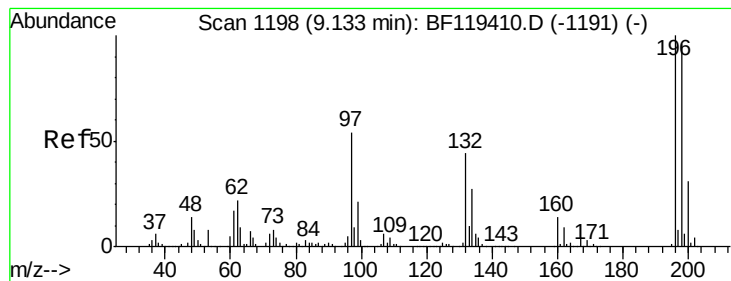
332 95.7 77.6 116.4

141 33.0 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: 42.30 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

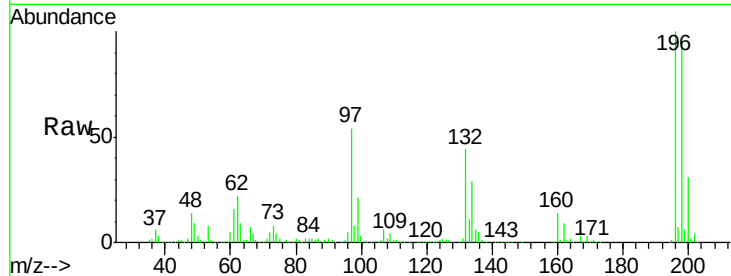
Tgt Ion:196 Resp: 565176

Ion Ratio Lower Upper

196 100

198 95.5 77.0 115.4

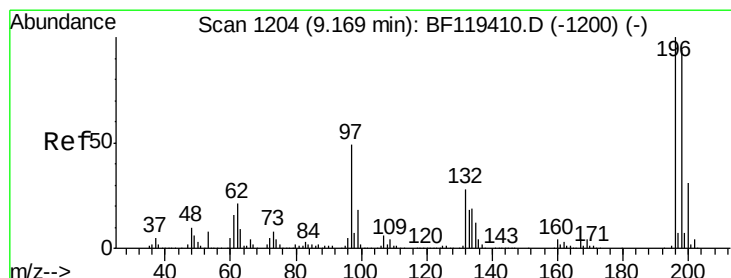
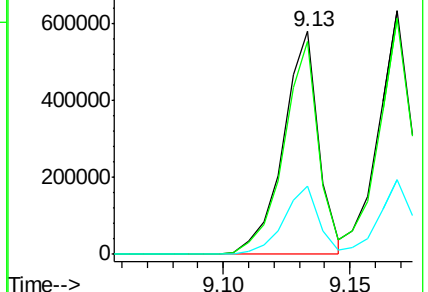
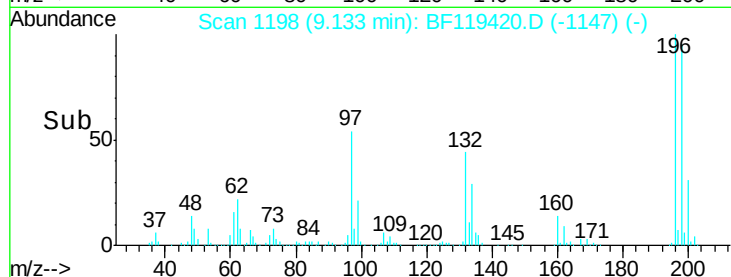
200 30.8 25.1 37.7



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: 37.33 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Tgt Ion:196 Resp: 558739

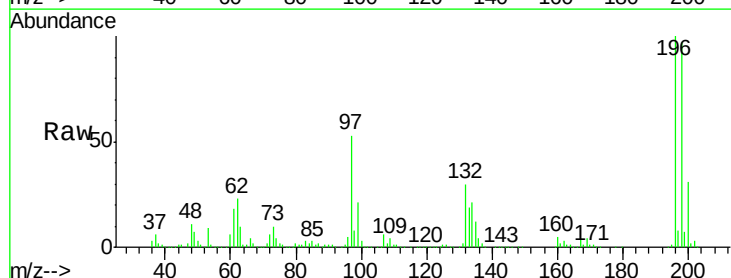
Ion Ratio Lower Upper

196 100

198 97.1 75.3 112.9

97 53.3 39.0 58.4

132 30.1 22.9 34.3

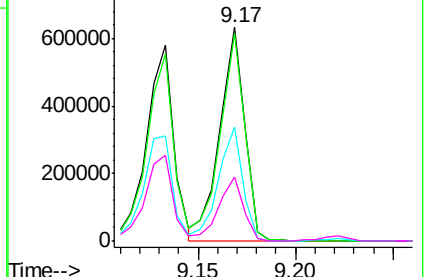
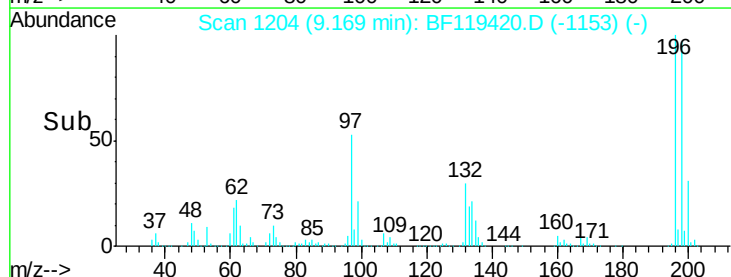


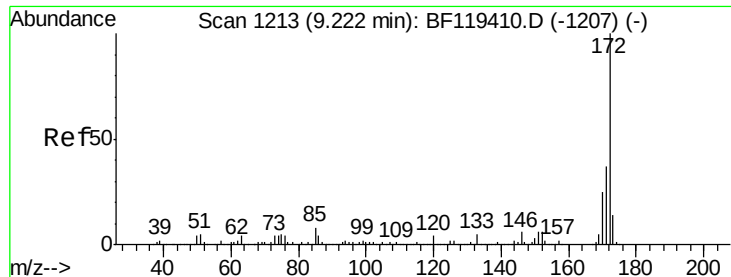
Abundance Ion 196.00 (195.70 to 196.70): E

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

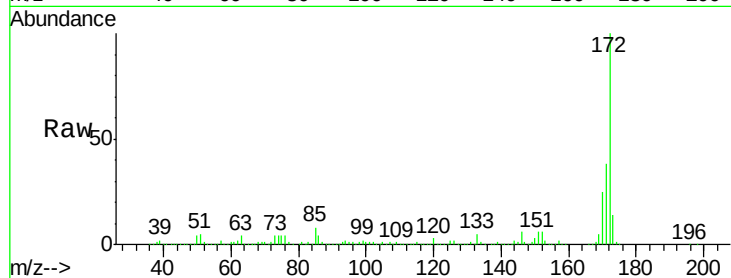




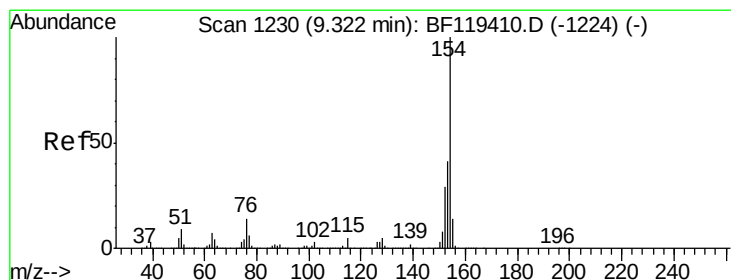
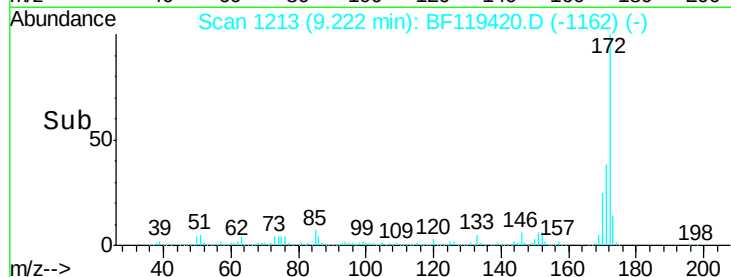
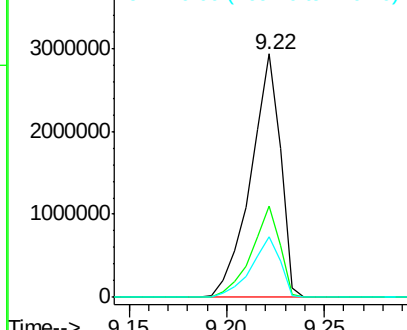
#45
2-Fluorobiphenyl
Concen: 71.84 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tgt Ion:172 Resp: 3088671
Ion Ratio Lower Upper
172 100
171 37.5 29.9 44.9
170 25.1 20.1 30.1

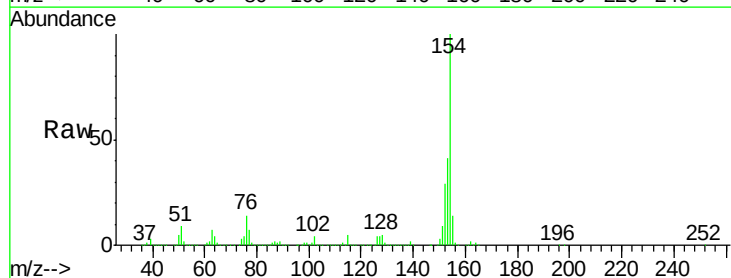


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

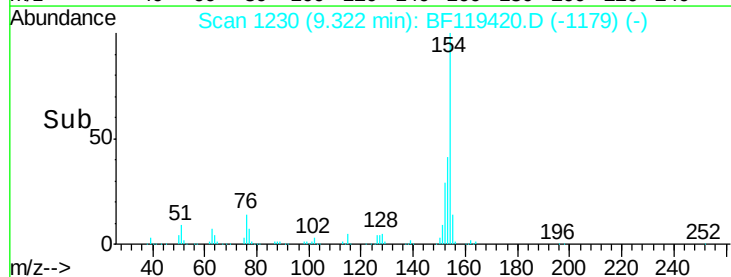
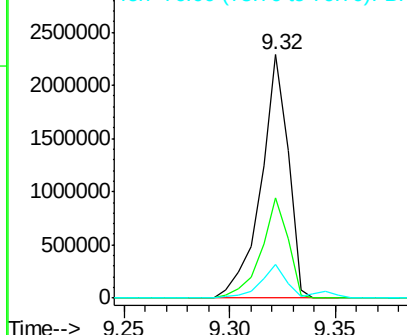


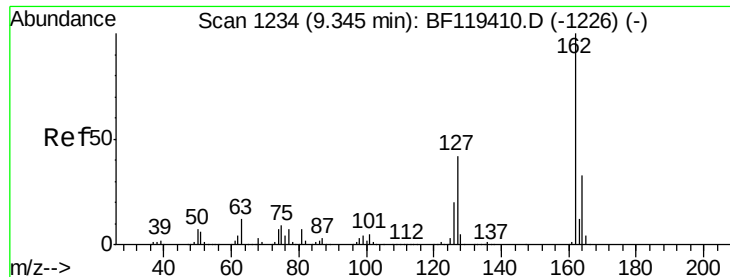
#46
1,1'-Biphenyl
Concen: 39.59 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:154 Resp: 2053837
Ion Ratio Lower Upper
154 100
153 41.2 21.4 61.4
76 13.8 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

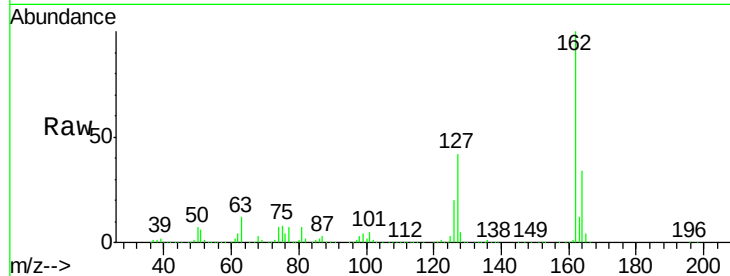




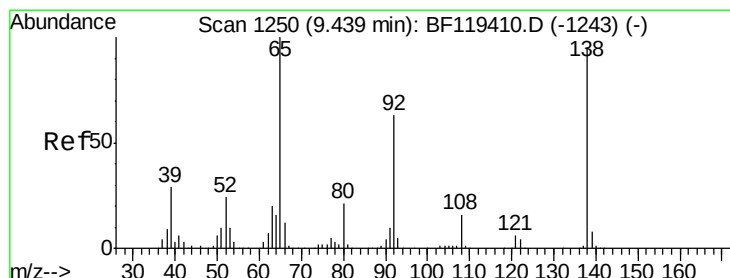
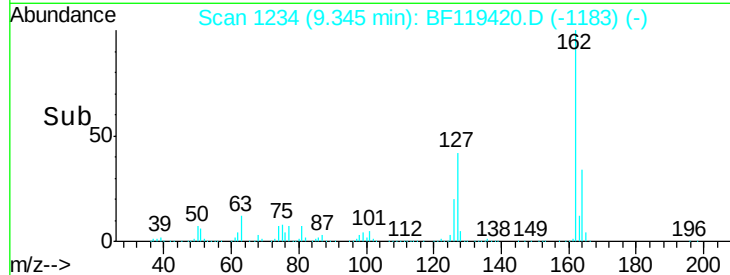
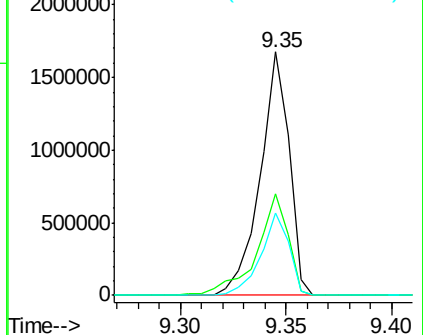
#47
 2-Chloronaphthalene
 Concen: 39.26 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tgt Ion: 162 Resp: 1595571
 Ion Ratio Lower Upper
 162 100
 127 41.8 33.7 50.5
 164 33.6 26.2 39.4

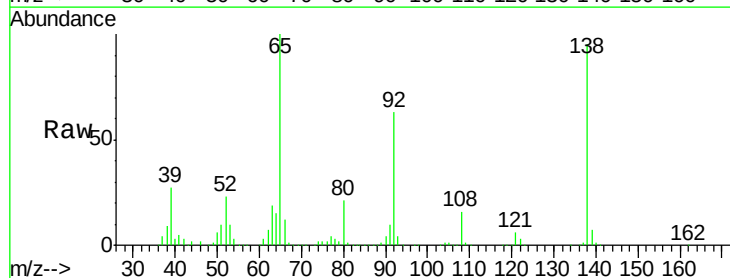


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

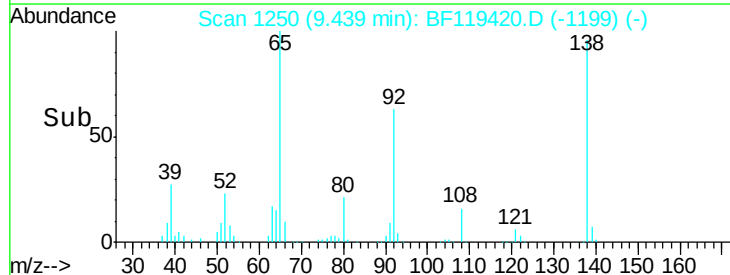
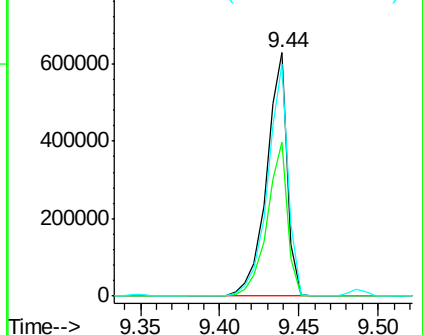


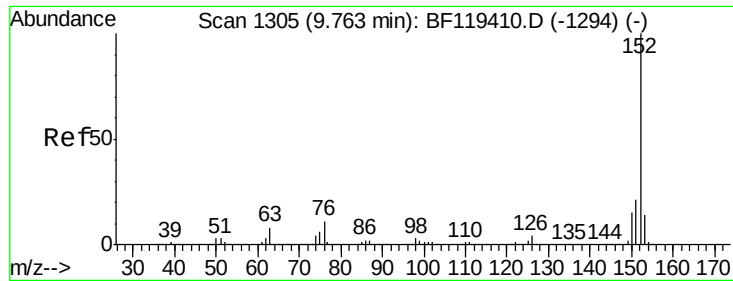
#48
 2-Nitroaniline
 Concen: 40.94 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion: 65 Resp: 574214
 Ion Ratio Lower Upper
 65 100
 92 63.2 50.5 75.7
 138 95.4 75.8 113.8



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





#49

Acenaphthylene

Concen: 40.02 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

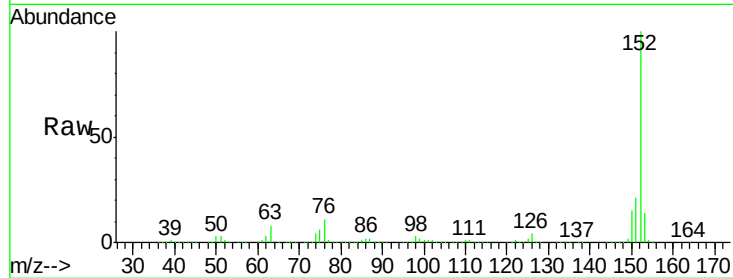
Tgt Ion:152 Resp: 2553552

Ion Ratio Lower Upper

152 100

151 21.4 16.8 25.2

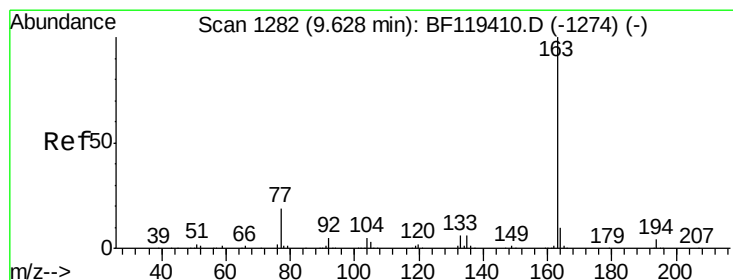
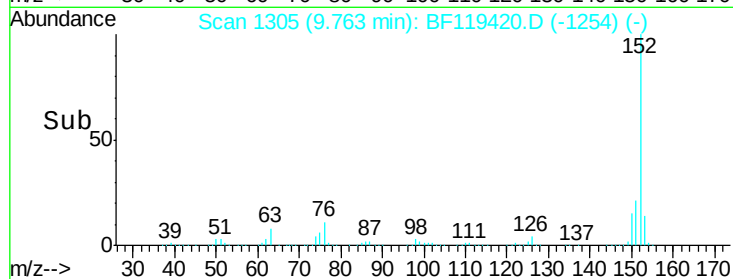
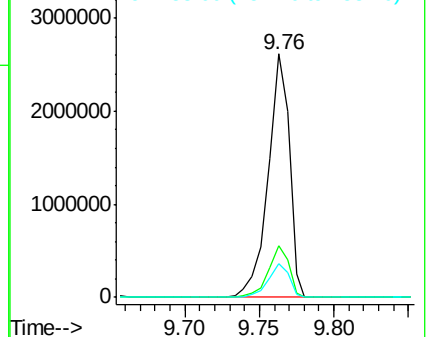
153 13.9 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.36 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

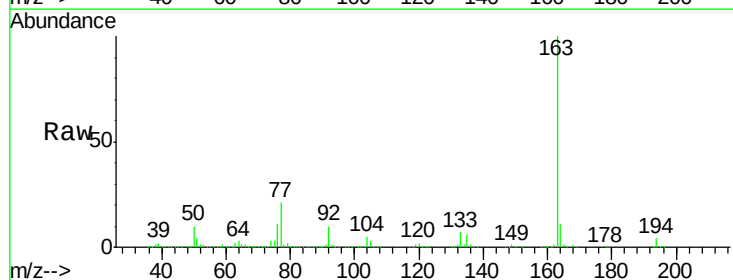
Tgt Ion:163 Resp: 2278370

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

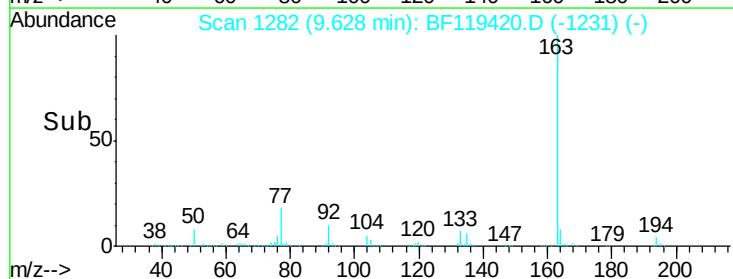
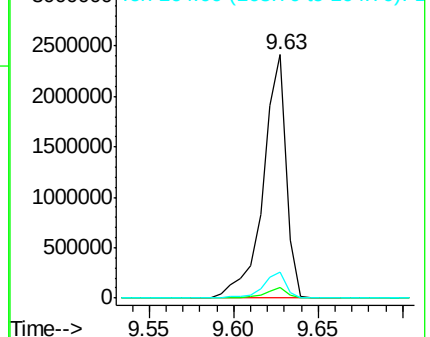
164 10.5 8.1 12.1

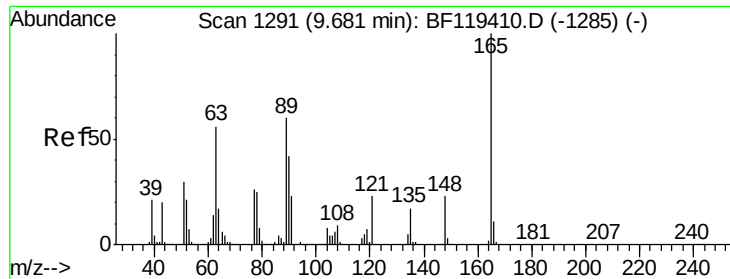


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

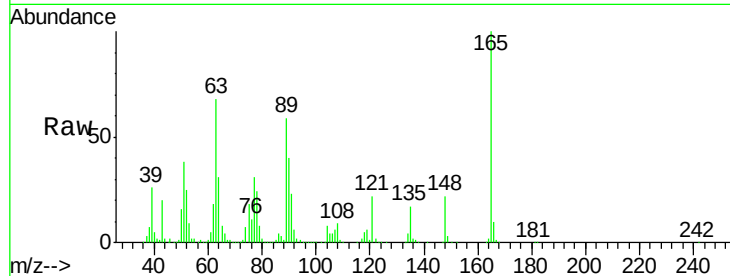




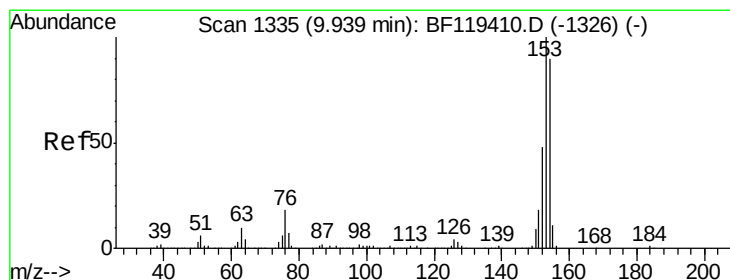
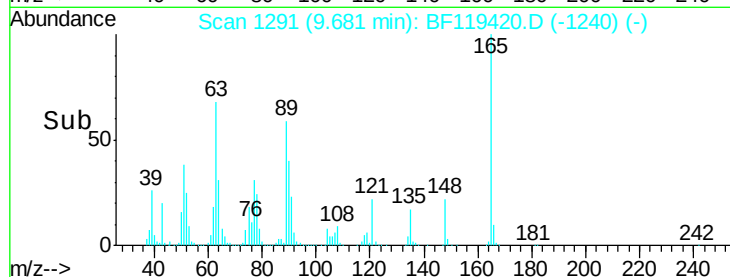
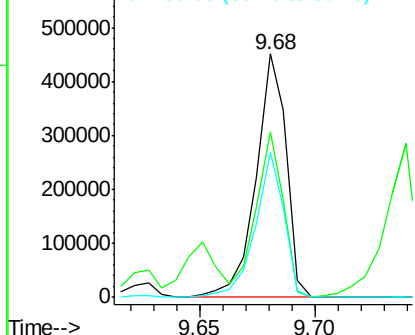
#51
 2,6-Dinitrotoluene
 Concen: 42.60 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tgt Ion:165 Resp: 413113
 Ion Ratio Lower Upper
 165 100
 63 68.1 57.3 85.9
 89 59.5 47.8 71.8

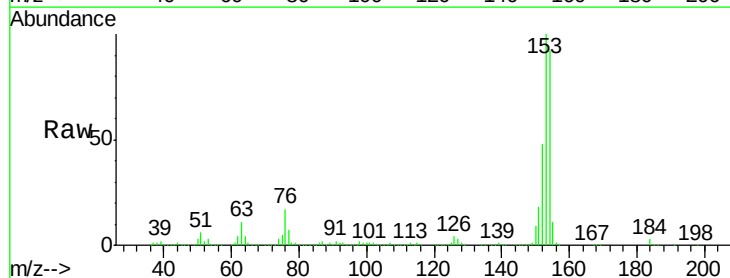


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

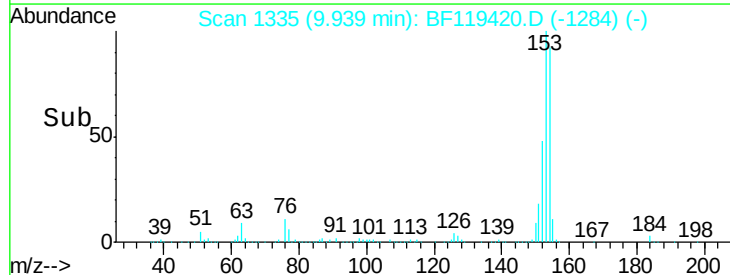
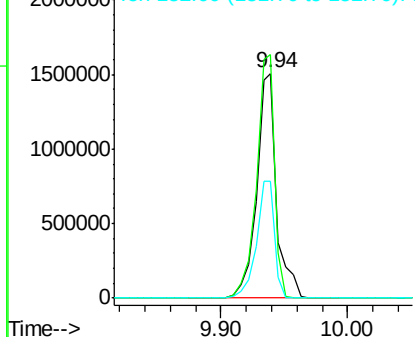


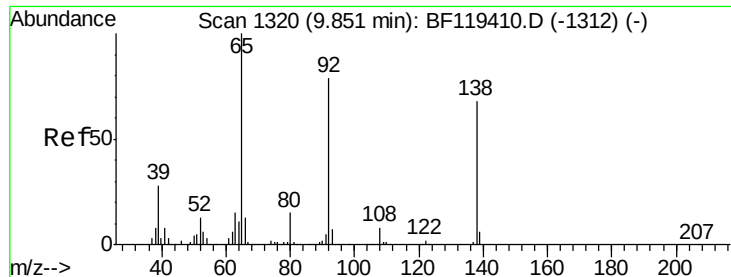
#52
 Acenaphthene
 Concen: 41.81 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion:154 Resp: 1663334
 Ion Ratio Lower Upper
 154 100
 153 108.4 89.0 133.6
 152 52.1 43.1 64.7



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

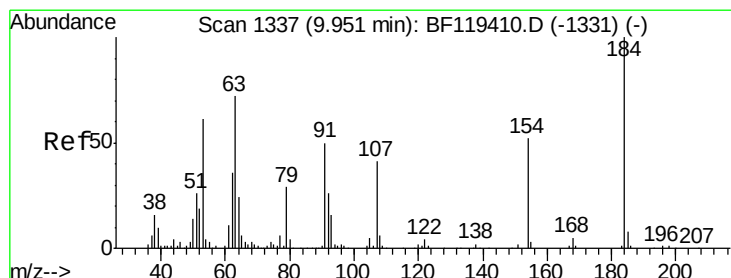
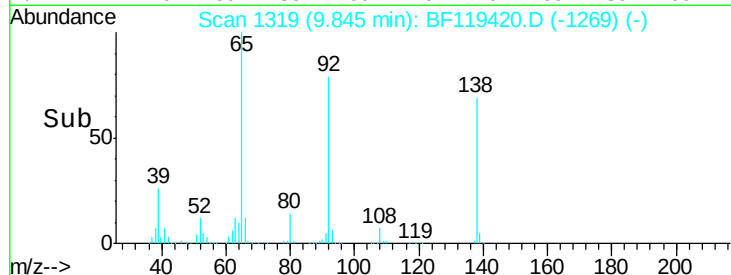
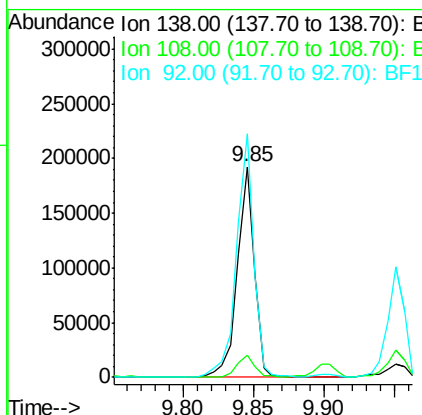
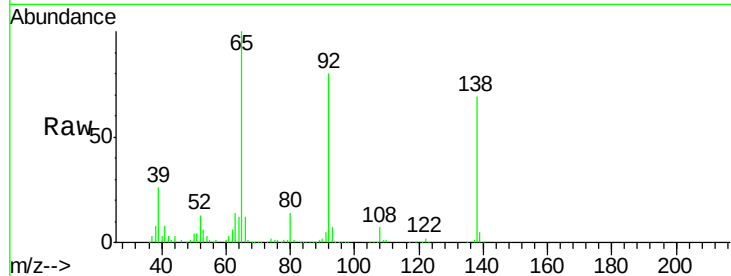




#53
 3-Nitroaniline
 Concen: 13.24 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

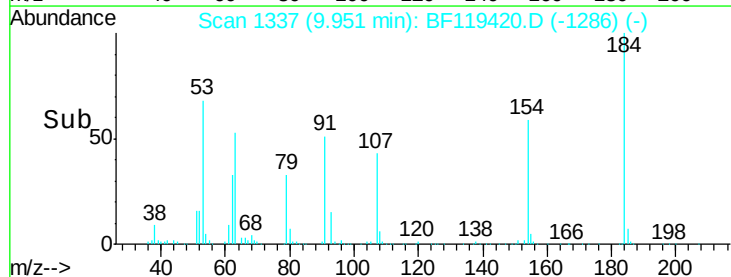
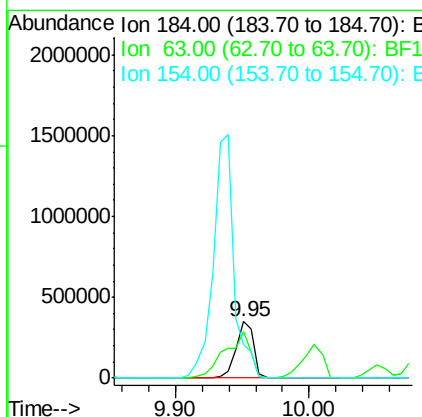
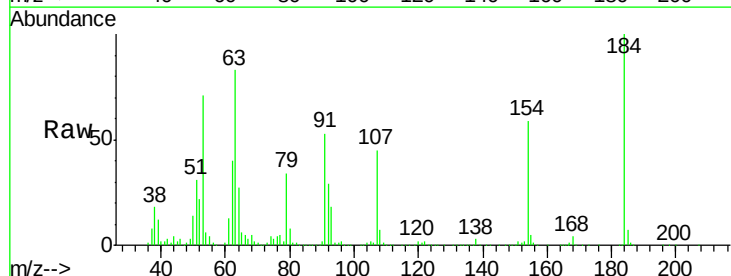
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

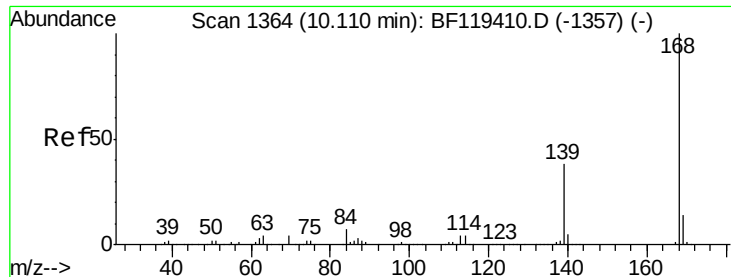
Tgt Ion:138 Resp: 162138
 Ion Ratio Lower Upper
 138 100
 108 10.8 9.0 13.6
 92 115.6 93.2 139.8



#54
 2,4-Dinitrophenol
 Concen: 77.13 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion:184 Resp: 322477
 Ion Ratio Lower Upper
 184 100
 63 82.8 58.5 87.7
 154 59.2 51.8 77.6

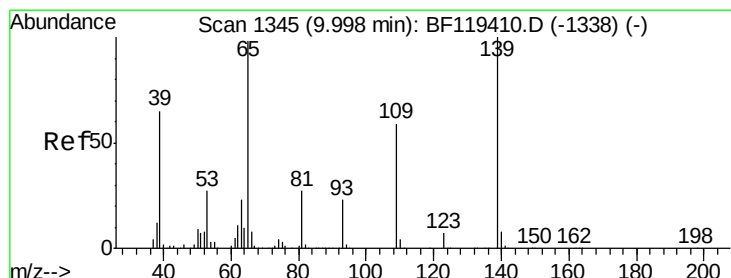
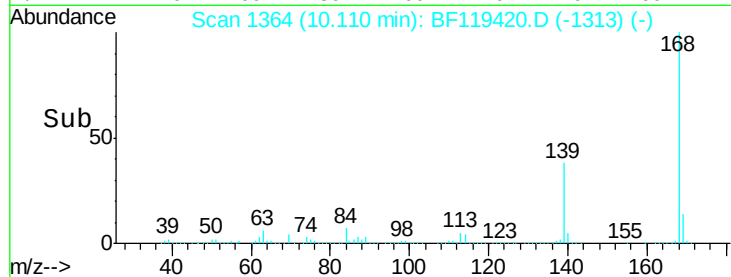
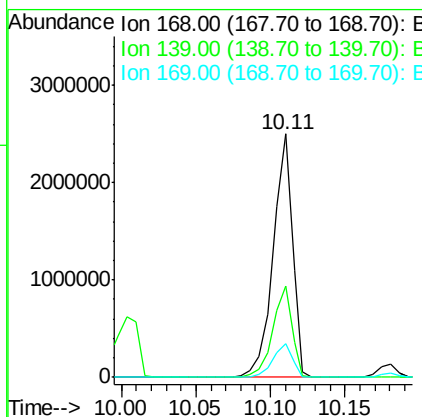
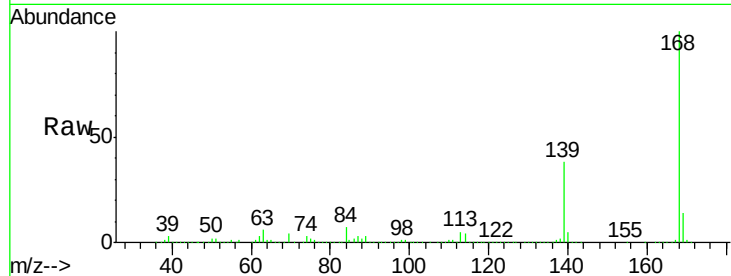




#55
Dibenzenofuran
Concen: 39.46 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

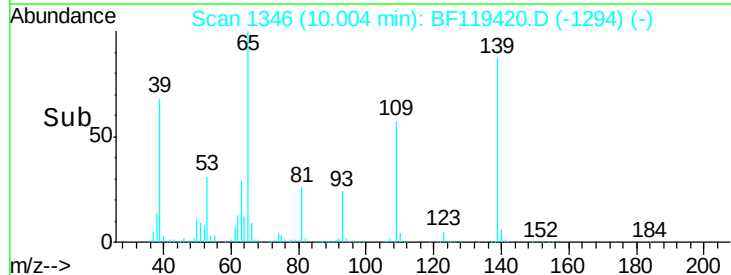
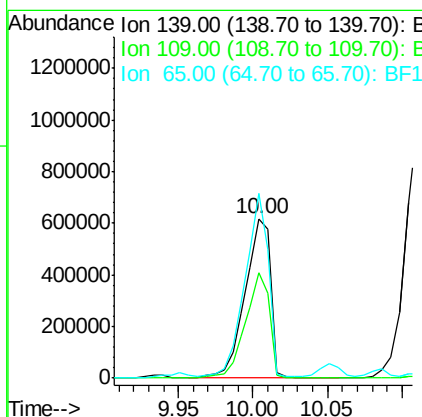
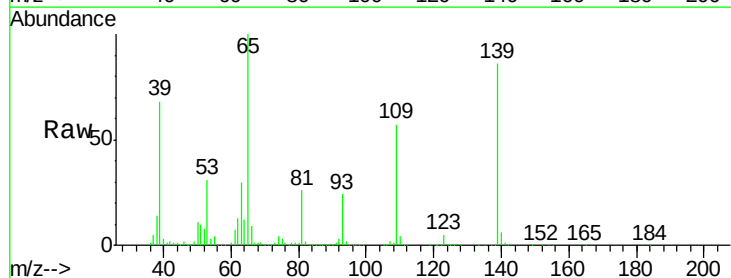
Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

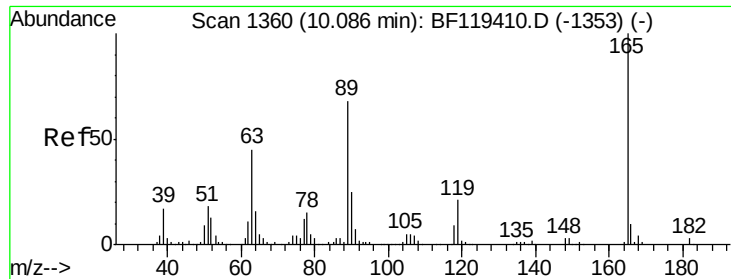
Tgt Ion:168 Resp: 2250637
Ion Ratio Lower Upper
168 100
139 37.7 30.2 45.4
169 14.0 11.1 16.7



#56
4-Nitrophenol
Concen: 74.80 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:139 Resp: 722498
Ion Ratio Lower Upper
139 100
109 66.2 39.6 79.6
65 115.7 78.3 118.3

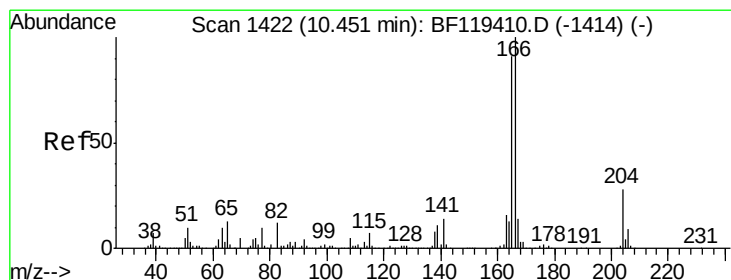
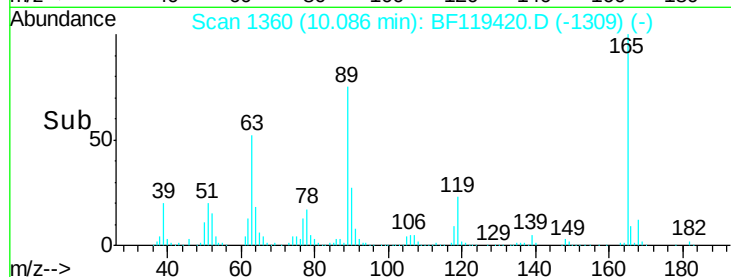
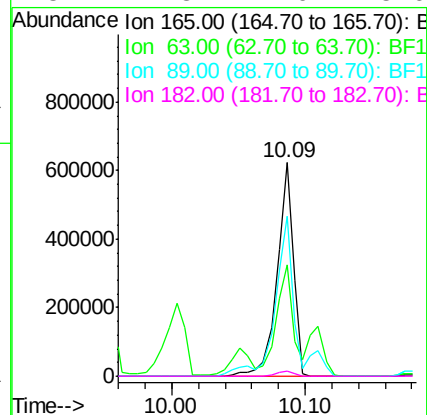
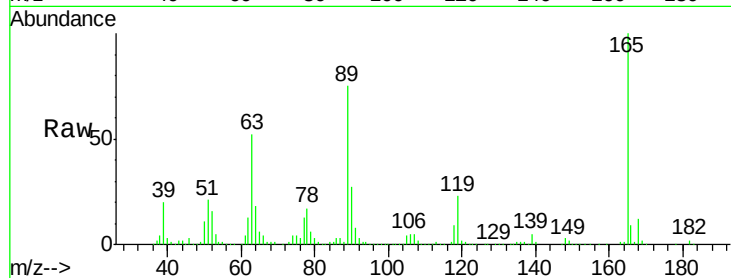




#57
2,4-Dinitrotoluene
Concen: 43.88 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

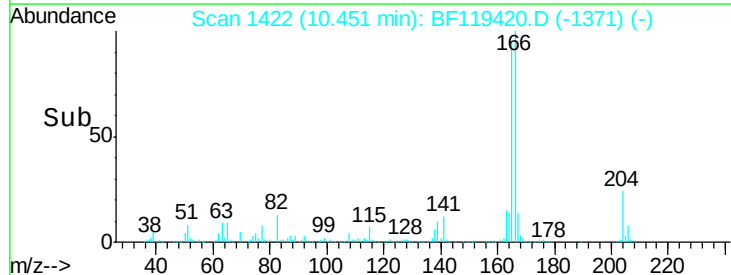
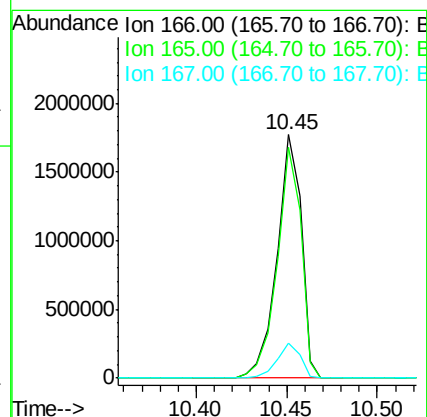
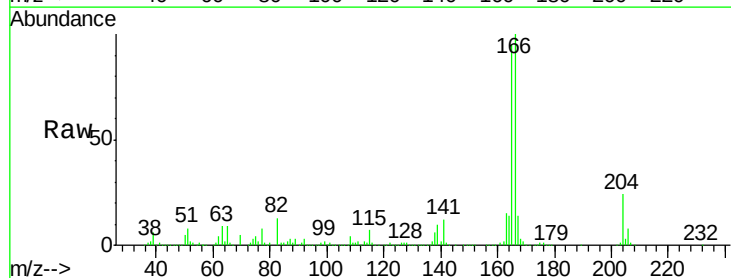
Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

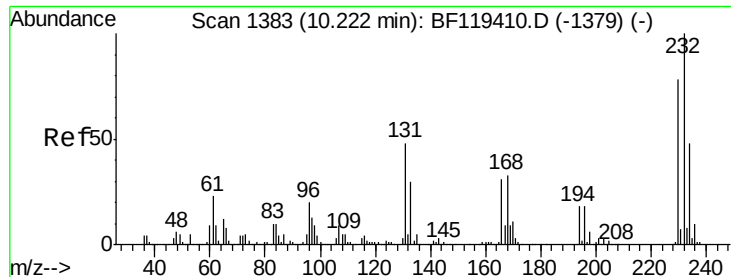
Tgt Ion:165 Resp: 536033
Ion Ratio Lower Upper
165 100
63 52.3 36.2 54.4
89 74.8 54.3 81.5
182 2.3 2.0 3.0



#58
Fluorene
Concen: 39.15 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:166 Resp: 1651115
Ion Ratio Lower Upper
166 100
165 94.7 73.1 109.7
167 14.2 11.0 16.6

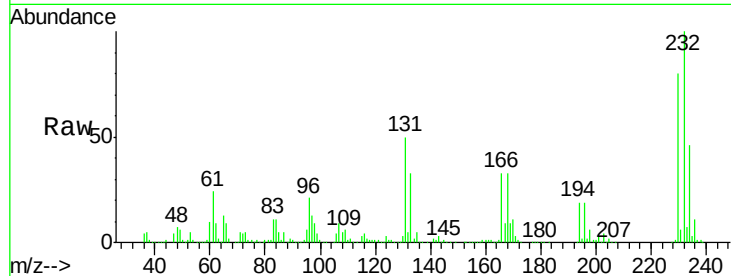




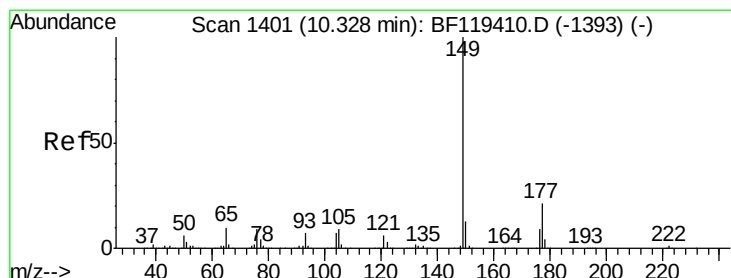
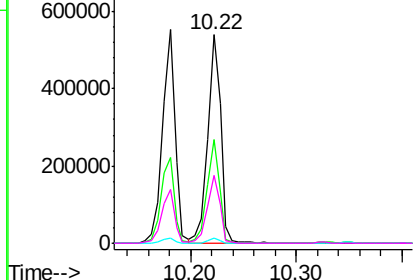
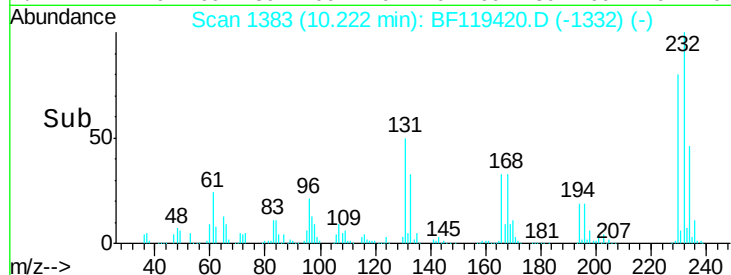
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.48 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

Tgt Ion: 232 Resp: 464026
 Ion Ratio Lower Upper
 232 100
 131 46.8 36.3 54.5
 130 2.3 1.8 2.6
 166 31.0 24.9 37.3

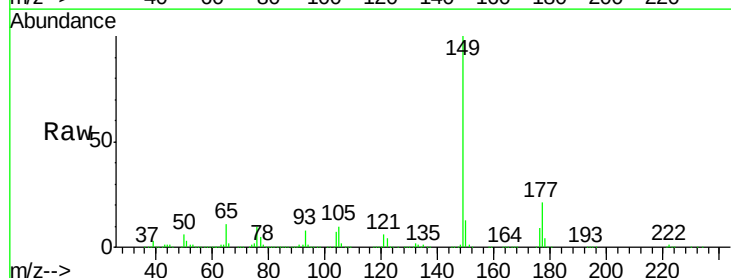


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

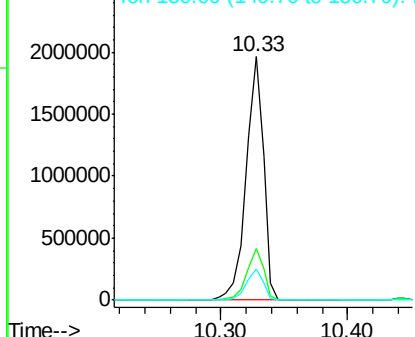
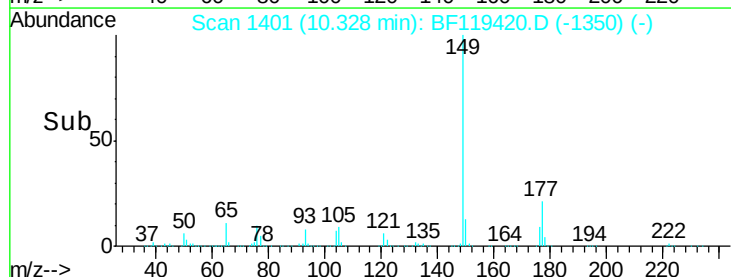


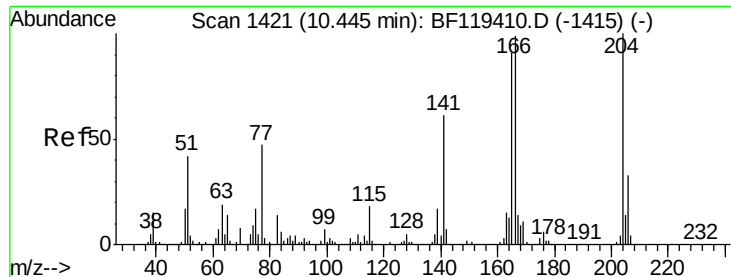
#60
 Diethylphthalate
 Concen: 40.35 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion: 149 Resp: 1852929
 Ion Ratio Lower Upper
 149 100
 177 21.4 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

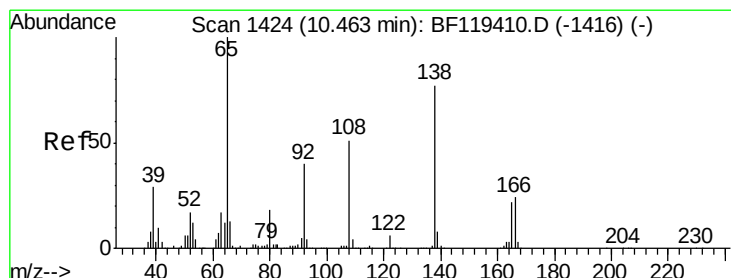
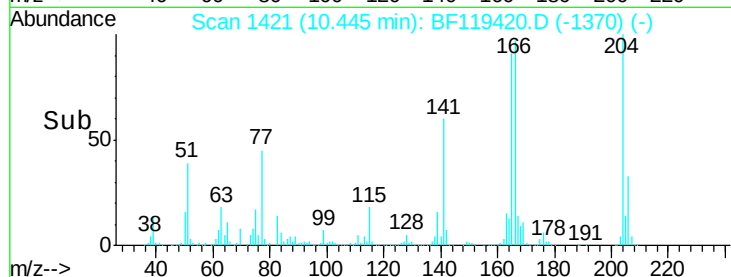
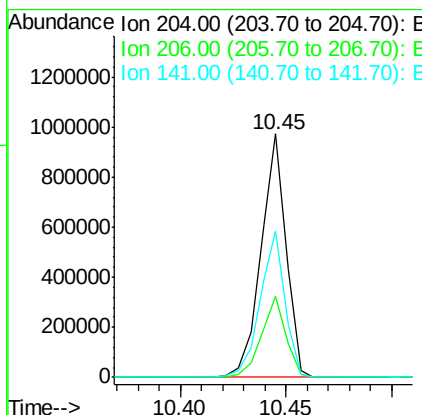
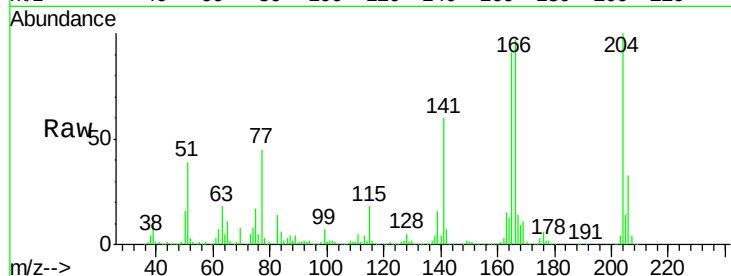




#61
 4-Chlorophenyl-phenylether
 Concen: 38.85 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

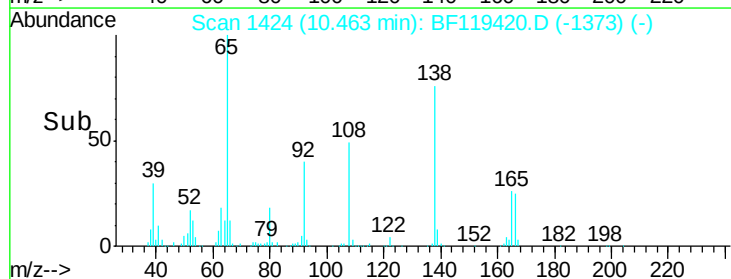
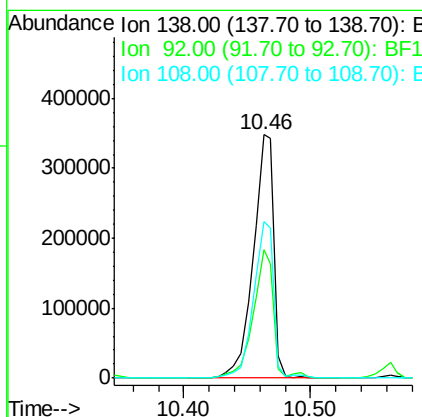
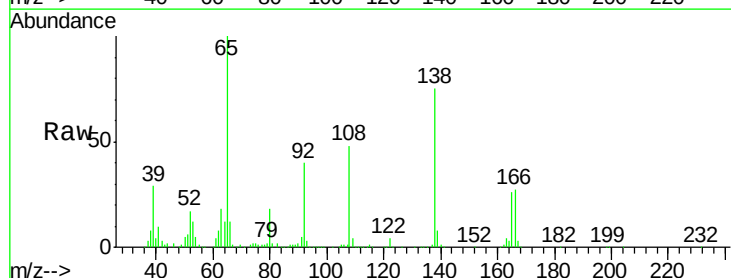
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

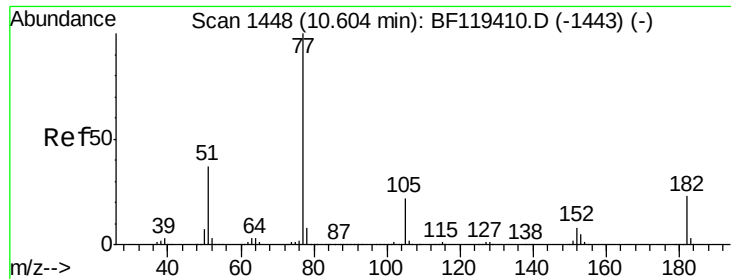
Tgt Ion: 204 Resp: 801331
 Ion Ratio Lower Upper
 204 100
 206 33.2 26.7 40.1
 141 60.1 48.8 73.2



#62
 4-Nitroaniline
 Concen: 33.80 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion: 138 Resp: 396811
 Ion Ratio Lower Upper
 138 100
 92 52.9 32.0 72.0
 108 64.1 46.0 86.0





#63

Azobenzene

Concen: 39.96 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

Tgt Ion: 77 Resp: 1847862

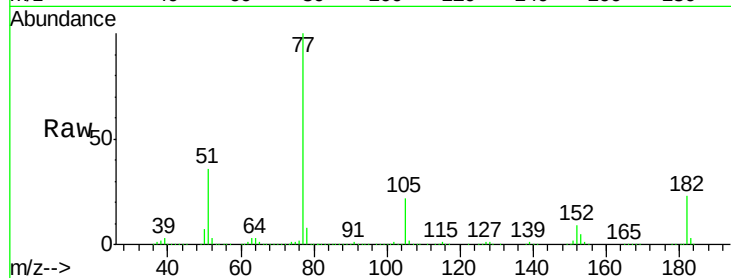
Ion Ratio Lower Upper

77 100

182 23.3 2.5 42.5

105 22.4 2.5 42.5

51 36.0 17.1 57.1

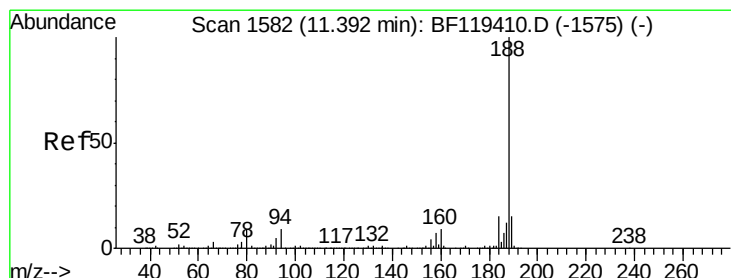
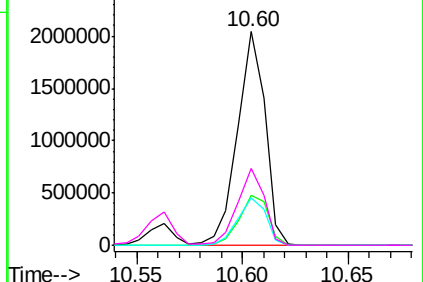
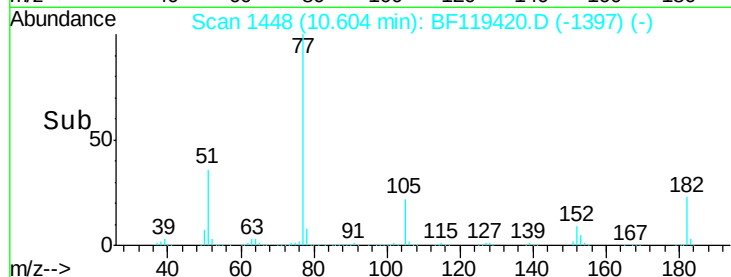


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF119420.D

Acq: 18 Mar 2020 17:34

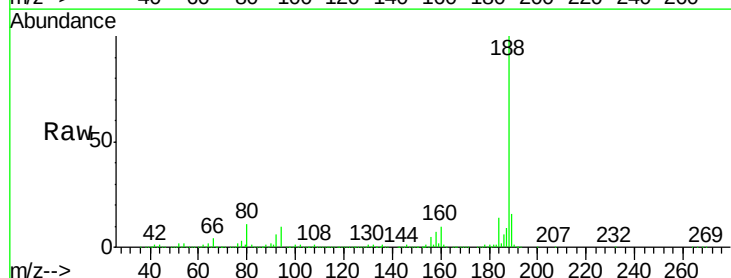
Tgt Ion: 188 Resp: 1147899

Ion Ratio Lower Upper

188 100

94 10.2 7.1 10.7

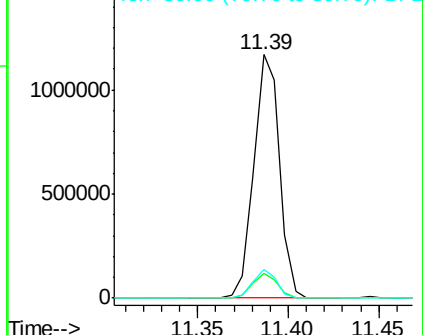
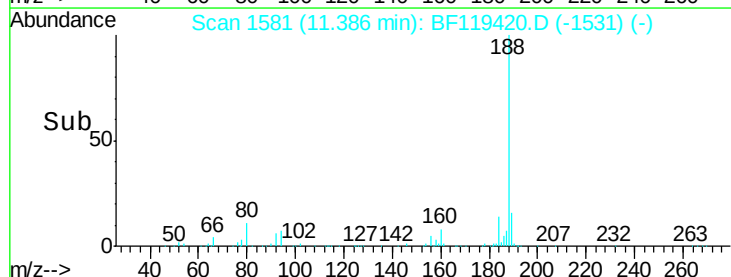
80 11.5 7.5 11.3#

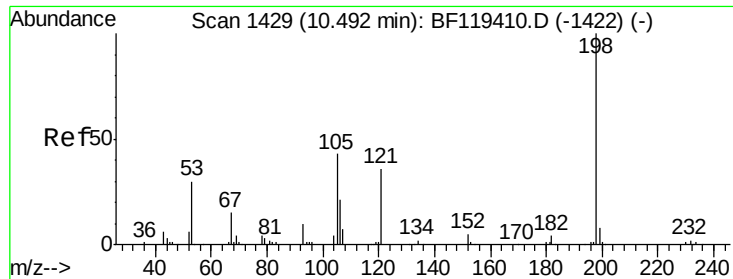


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 48.13 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

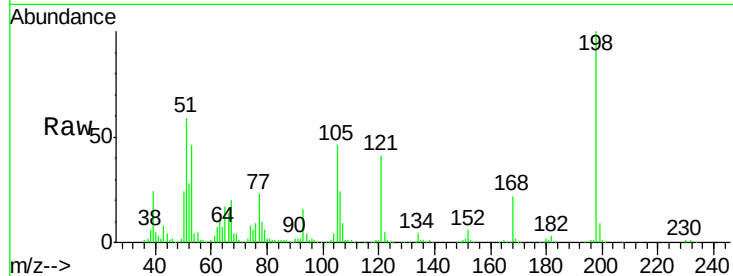
Tgt Ion:198 Resp: 231694

Ion Ratio Lower Upper

198 100

51 59.2 33.1 73.1

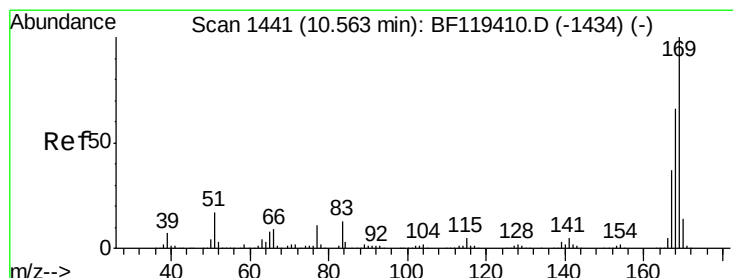
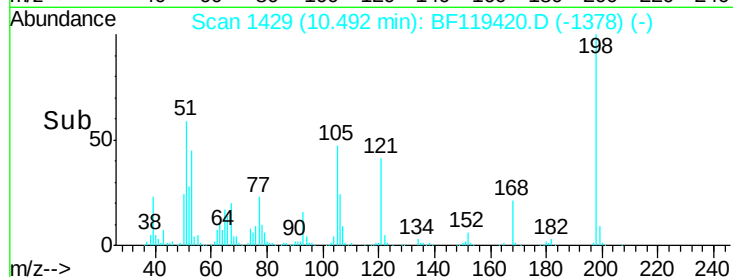
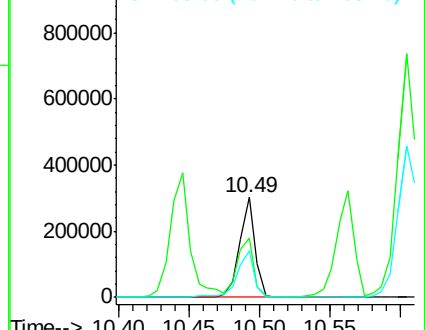
105 46.5 24.1 64.1



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 40.98 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

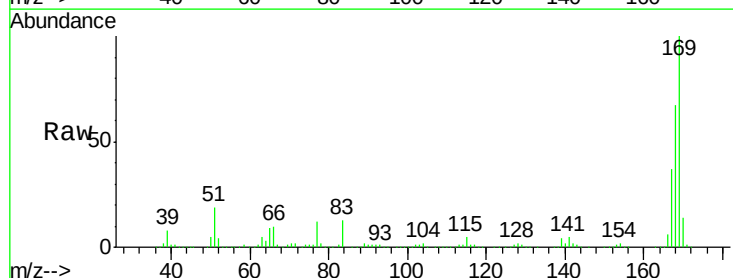
Tgt Ion:169 Resp: 1544251

Ion Ratio Lower Upper

169 100

168 67.3 52.7 79.1

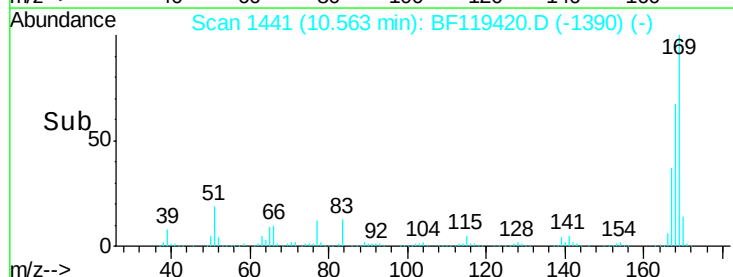
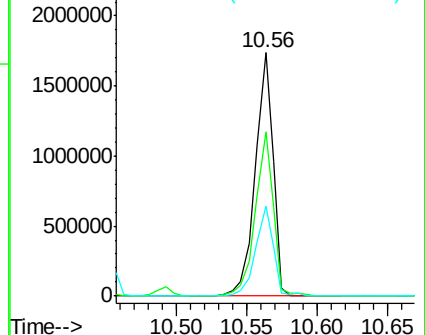
167 36.9 29.3 43.9

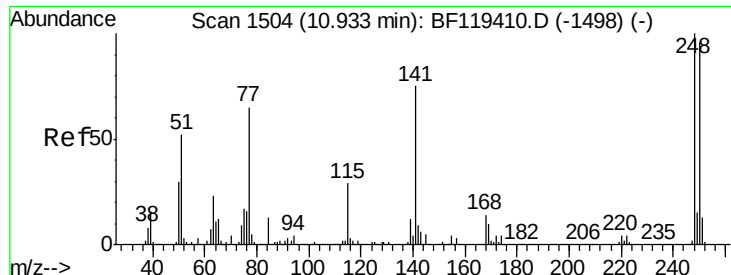


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

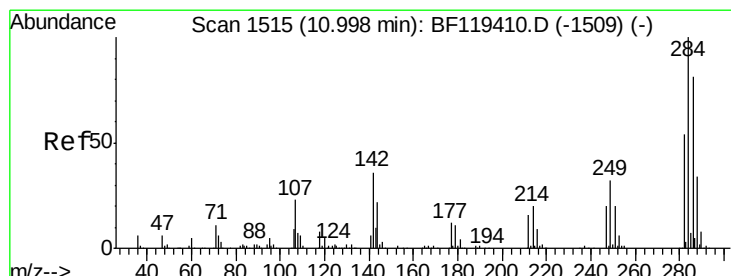
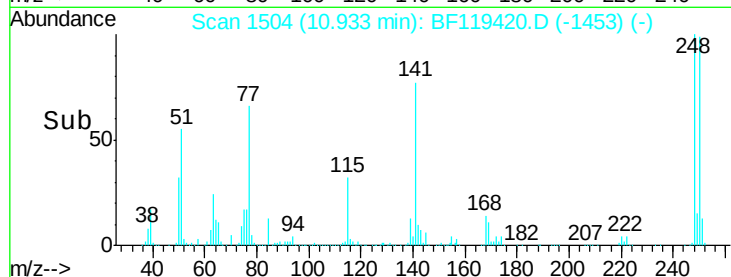
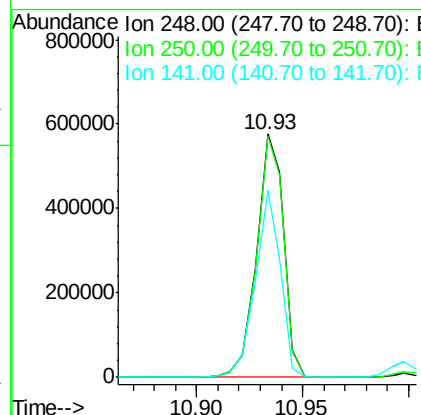
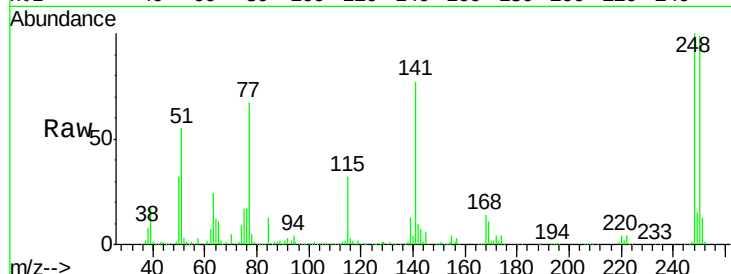




#67
 4-Bromophenyl-phenylether
 Concen: 39.24 ng
 RT: 10.93 min Scan# 1504
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

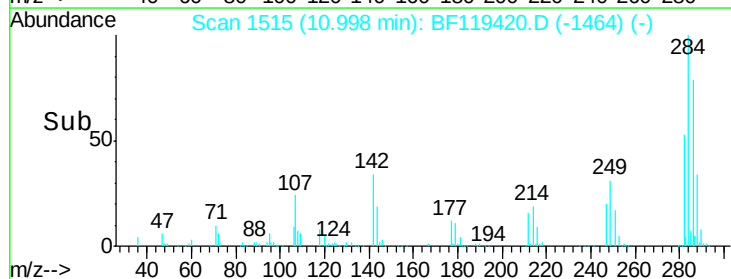
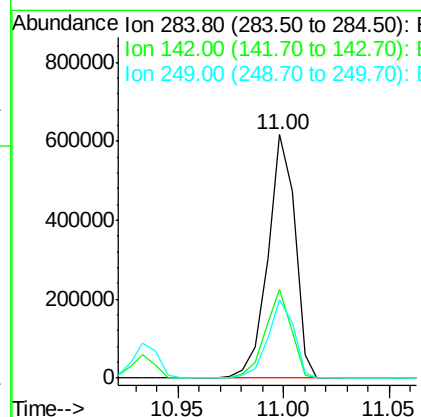
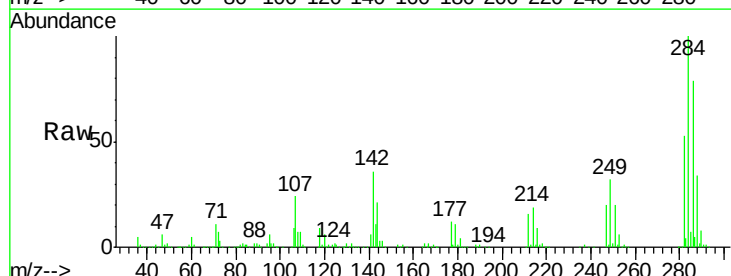
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MSD

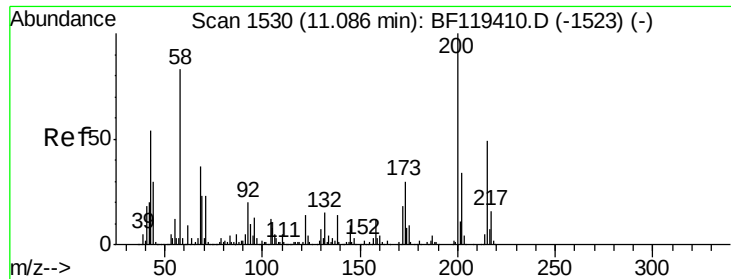
Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.0	115.6
141	77.1	59.7	89.5



#68
 Hexachlorobenzene
 Concen: 41.13 ng
 RT: 11.00 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: BF119420.D
 Acq: 18 Mar 2020 17:34

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.5	28.7	43.1
249	32.0	25.4	38.0

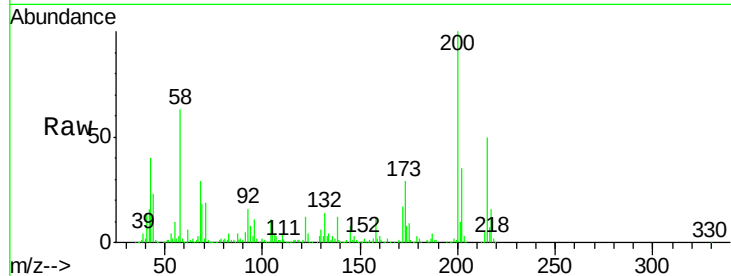




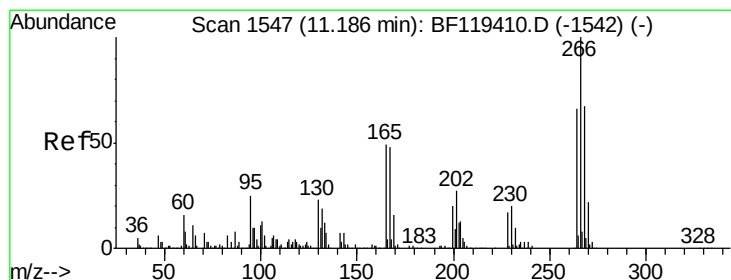
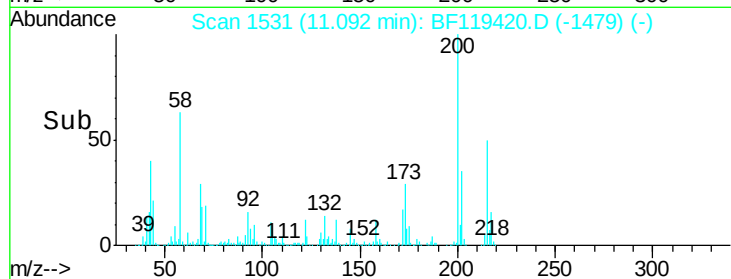
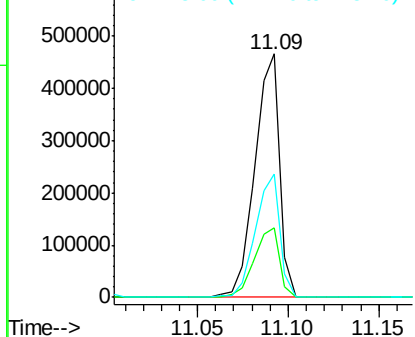
#69
Atrazine
Concen: 42.50 ng
RT: 11.09 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tgt Ion:200 Resp: 439117
Ion Ratio Lower Upper
200 100
173 28.7 9.9 49.9
215 50.4 29.4 69.4

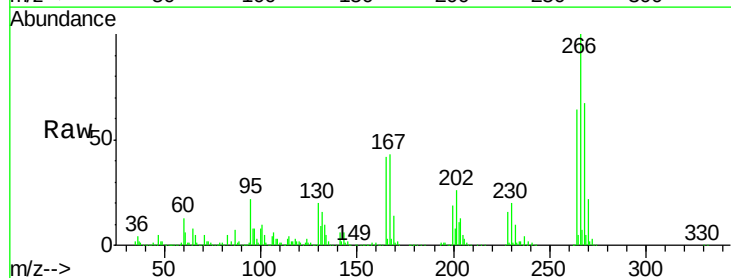


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

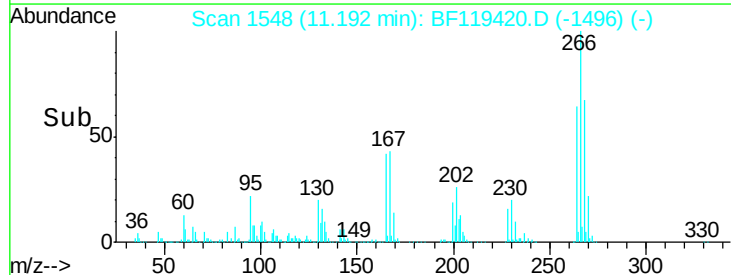
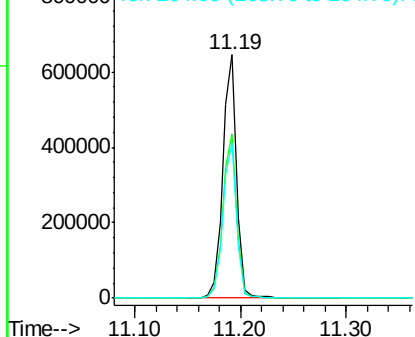


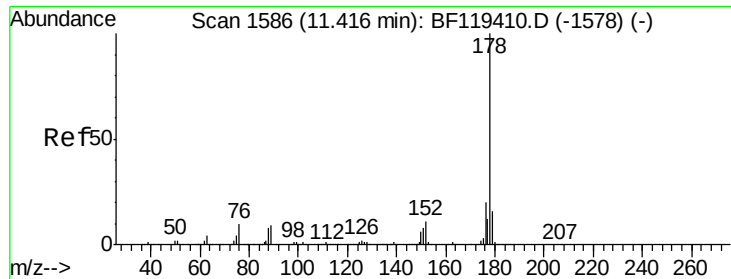
#70
Pentachlorophenol
Concen: 75.40 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:266 Resp: 591536
Ion Ratio Lower Upper
266 100
268 67.2 53.7 80.5
264 63.6 52.5 78.7



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

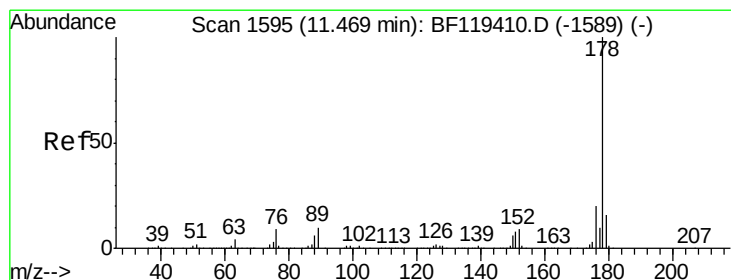
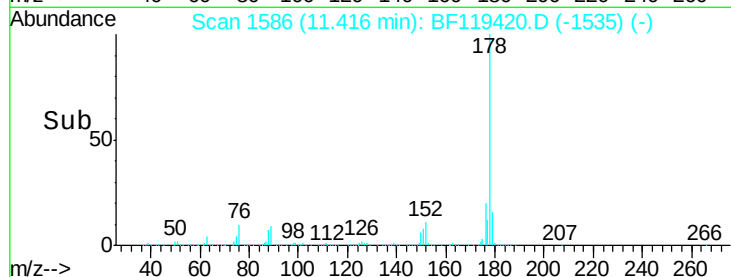
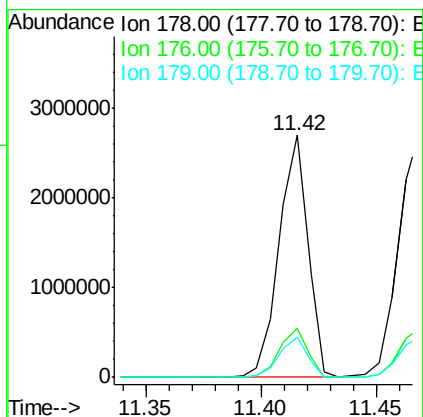
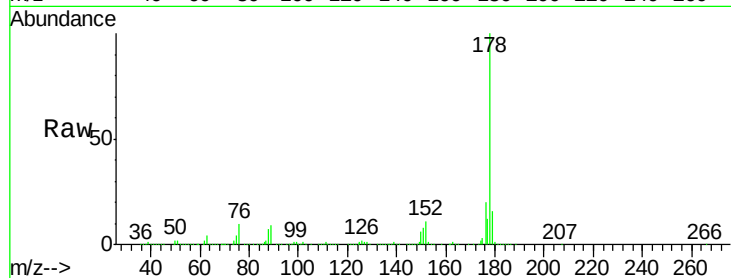




#71
Phenanthrene
Concen: 39.34 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

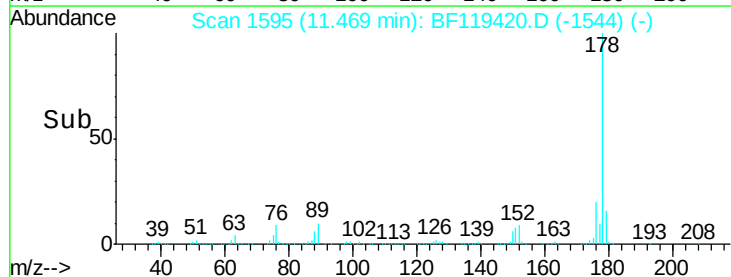
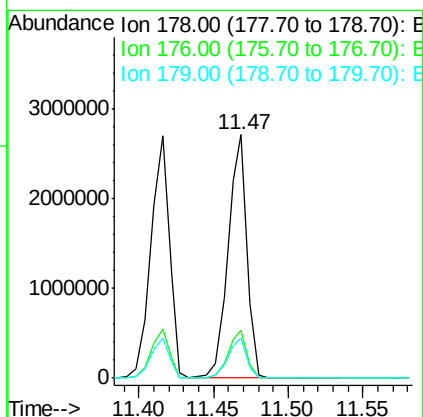
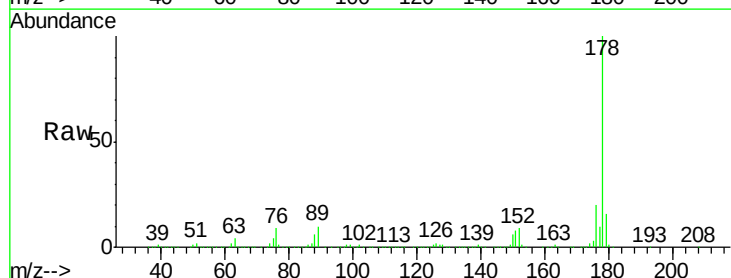
Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

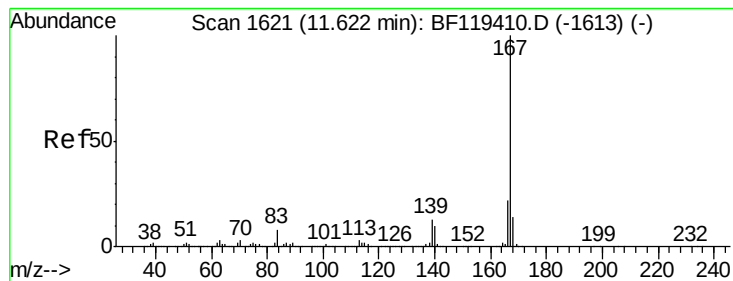
Tgt Ion:178 Resp: 2341492
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 16.4 12.9 19.3



#72
Anthracene
Concen: 40.18 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:178 Resp: 2430671
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.3 13.1 19.7





#73

Carbazole

Concen: 37.03 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

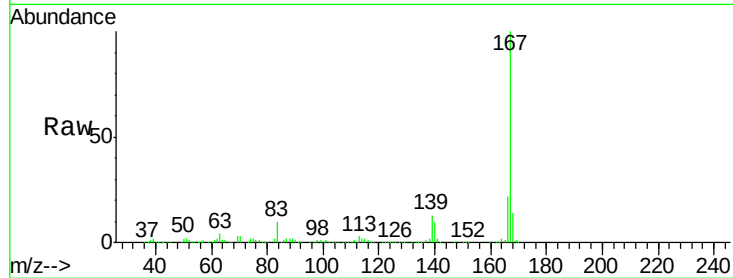
Tgt Ion:167 Resp: 2217382

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.6

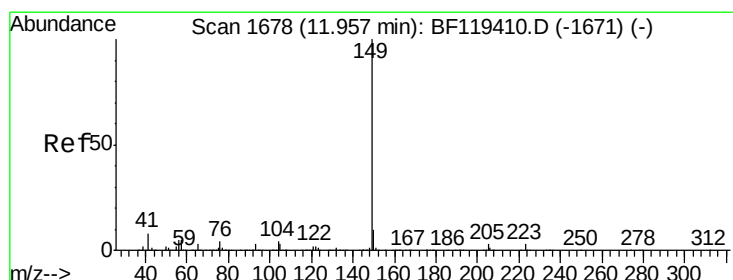
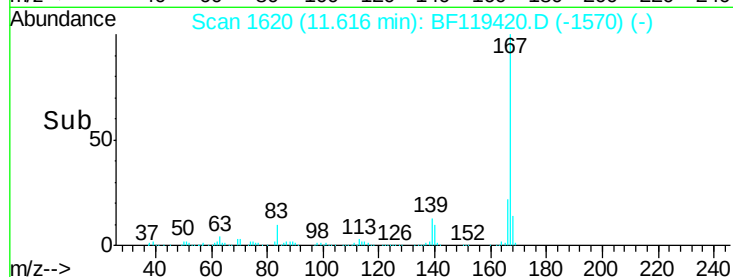
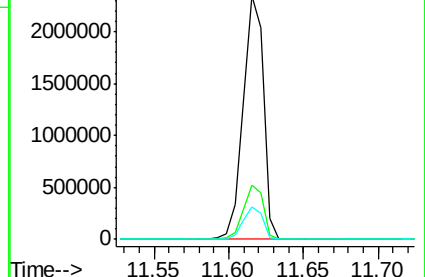
139 13.5 10.2 15.4



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: 42.51 ng

RT: 11.96 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

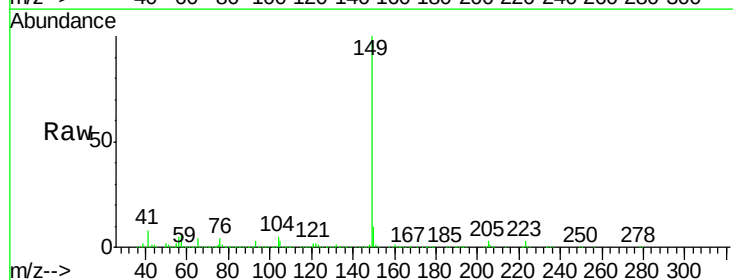
Tgt Ion:149 Resp: 2722773

Ion Ratio Lower Upper

149 100

150 10.1 7.6 11.4

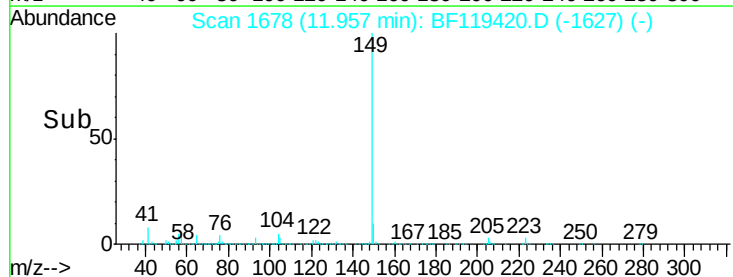
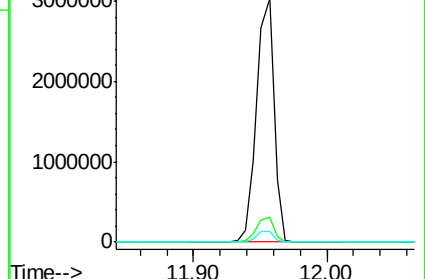
104 4.6 3.5 5.3

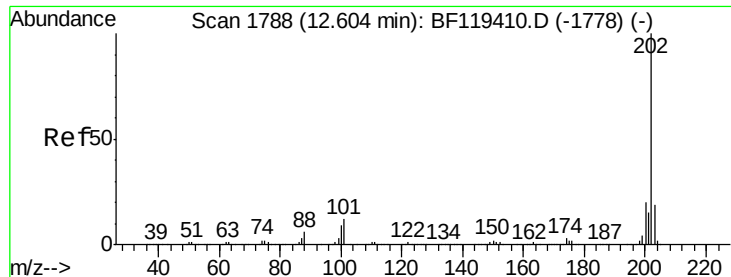


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 37.64 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

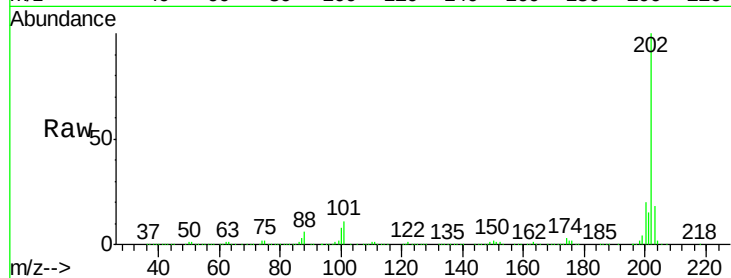
Tgt Ion:202 Resp: 2424720

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.4

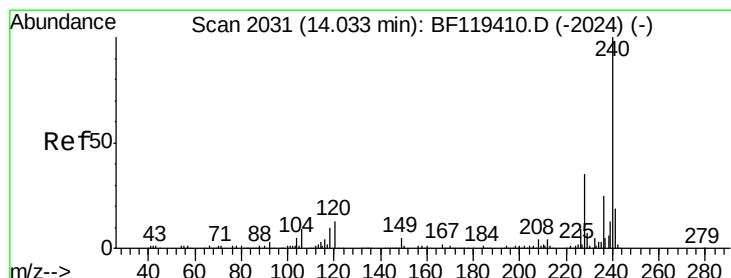
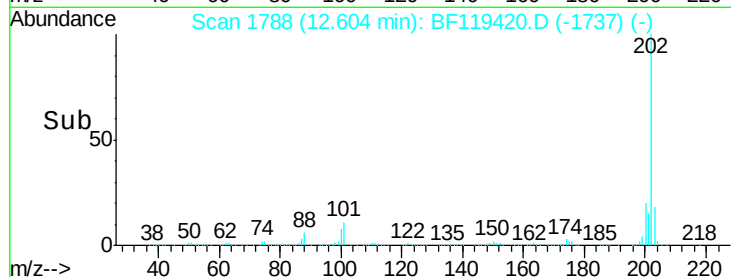
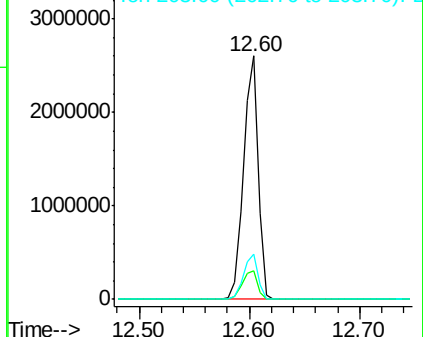
203 18.3 0.0 38.5



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: BF119420.D

Acq: 18 Mar 2020 17:34

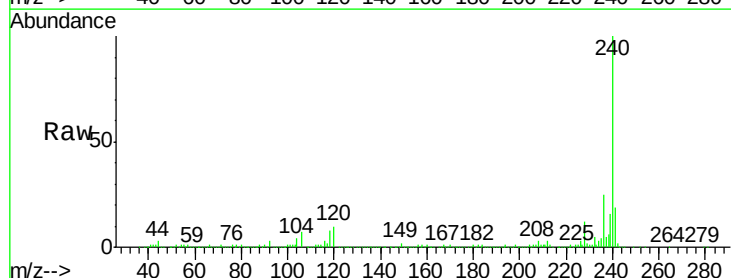
Tgt Ion:240 Resp: 652794

Ion Ratio Lower Upper

240 100

120 10.4 10.2 15.4

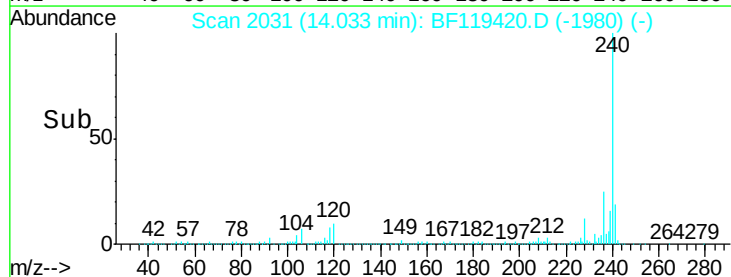
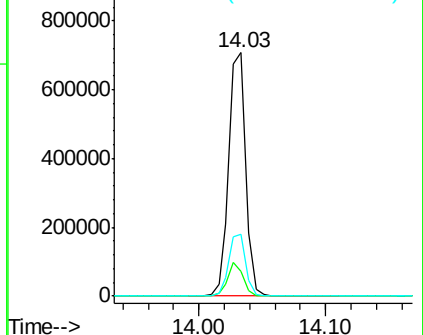
236 25.2 20.4 30.6

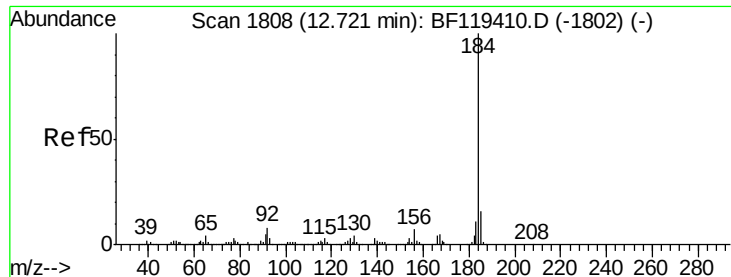


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.28 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

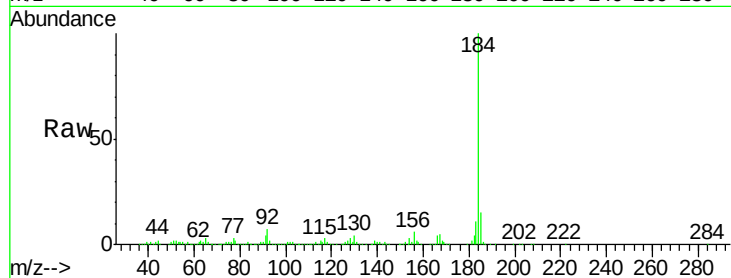
Tgt Ion:184 Resp: 725924

Ion Ratio Lower Upper

184 100

185 15.1 12.9 19.3

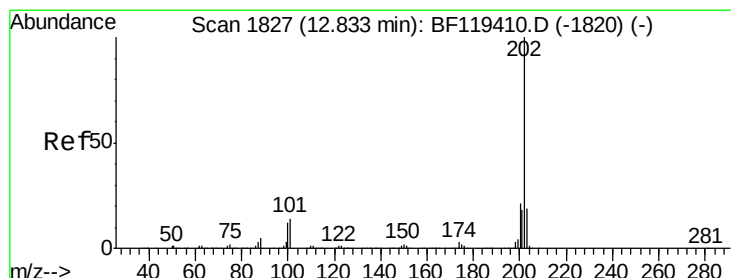
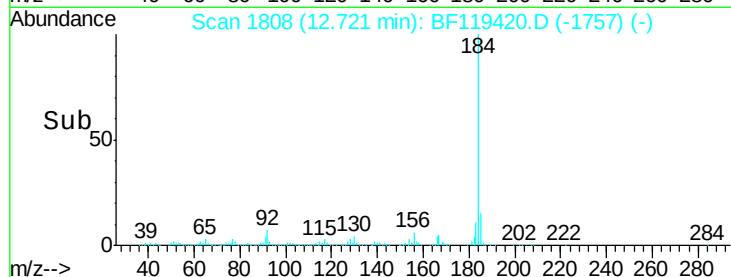
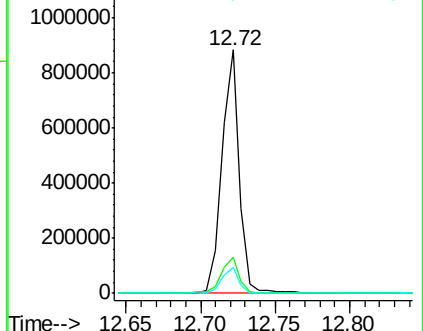
183 10.8 9.0 13.4



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: 44.87 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

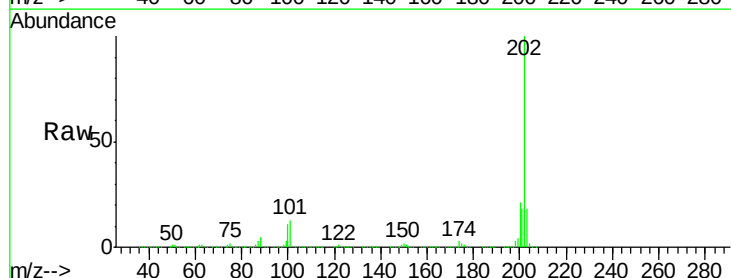
Tgt Ion:202 Resp: 2403943

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

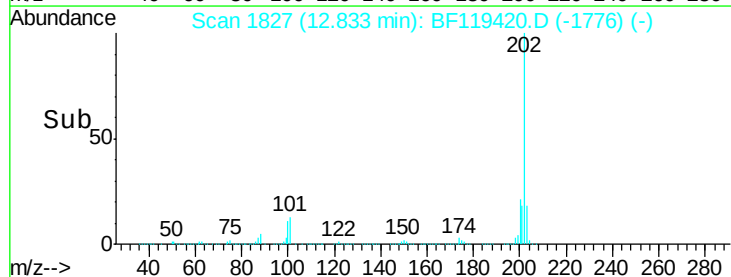
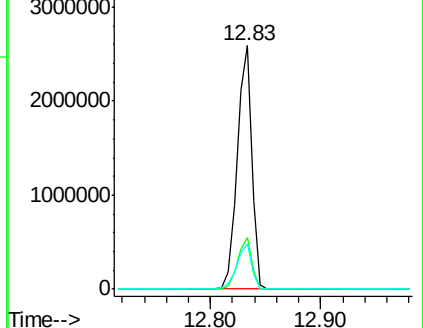
203 18.5 14.8 22.2

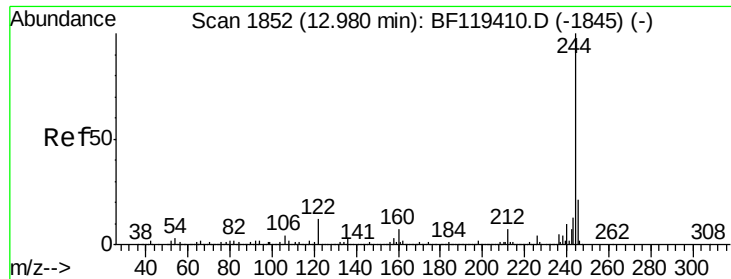


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.78 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

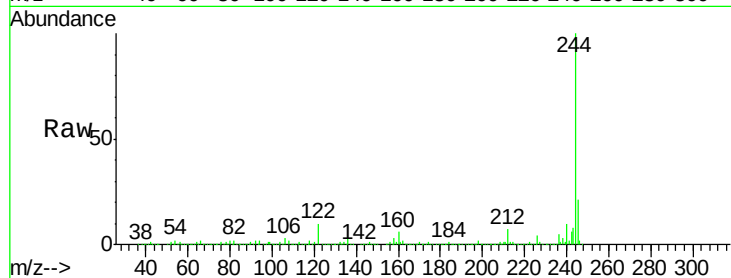
Tgt Ion:244 Resp: 2857982

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

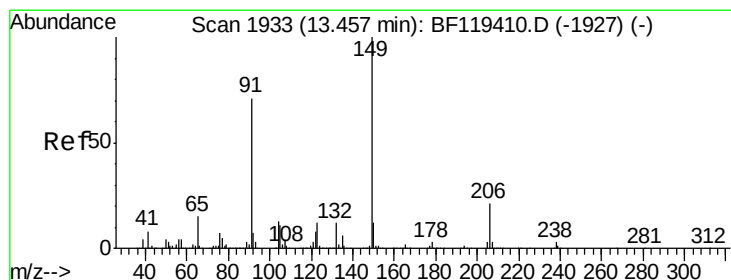
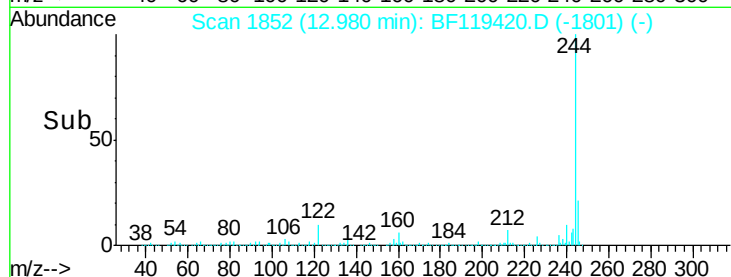
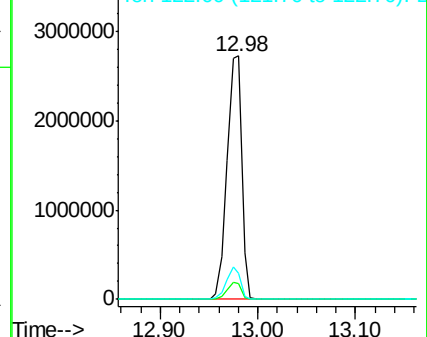
122 10.5 9.8 14.8



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: 47.21 ng

RT: 13.46 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

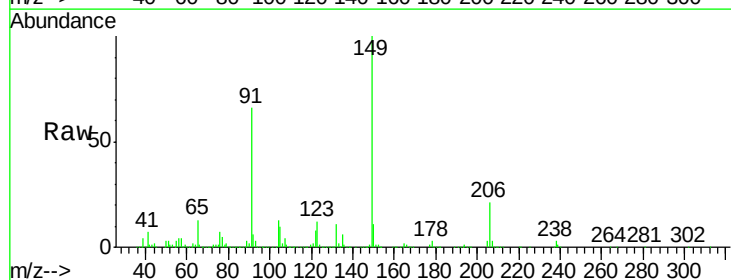
Tgt Ion:149 Resp: 1022889

Ion Ratio Lower Upper

149 100

91 66.4 57.0 85.6

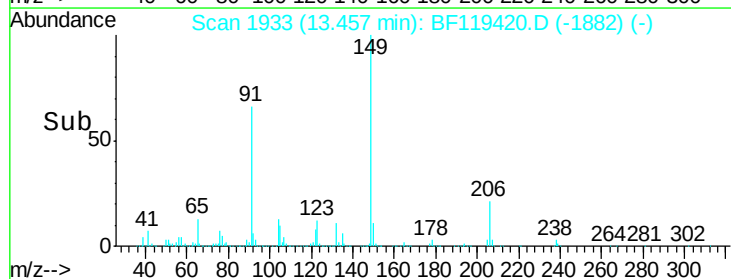
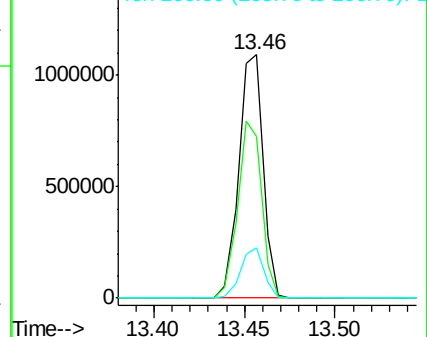
206 20.7 16.4 24.6

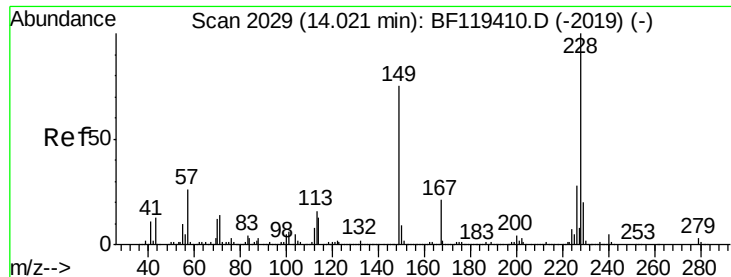


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.88 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

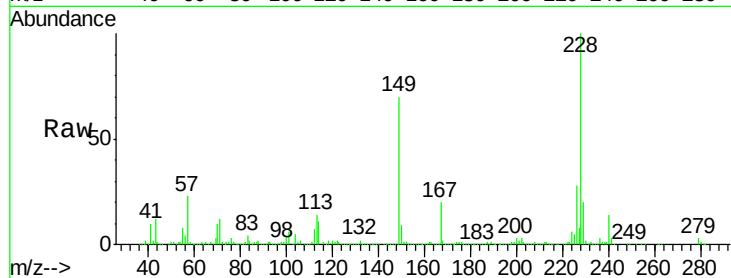
Tgt Ion:228 Resp: 1693091

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

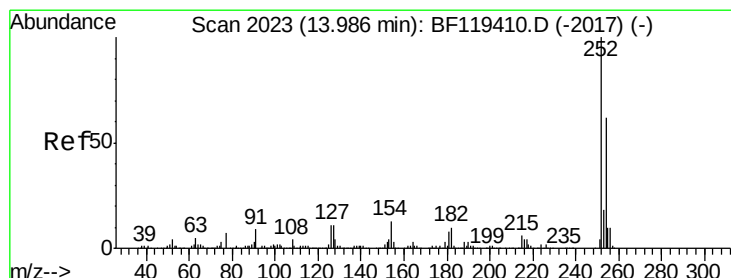
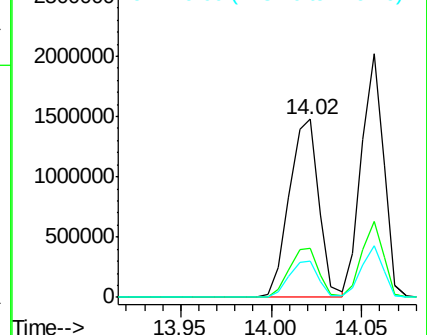
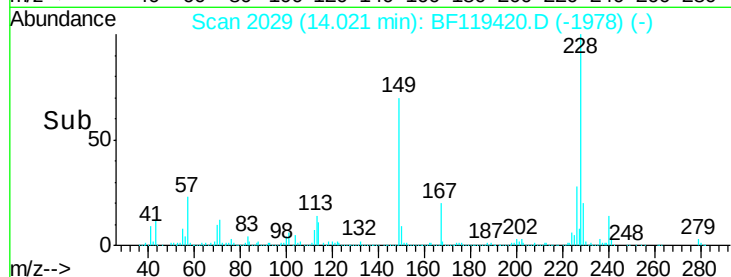
229 20.0 16.3 24.5



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: 22.27 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

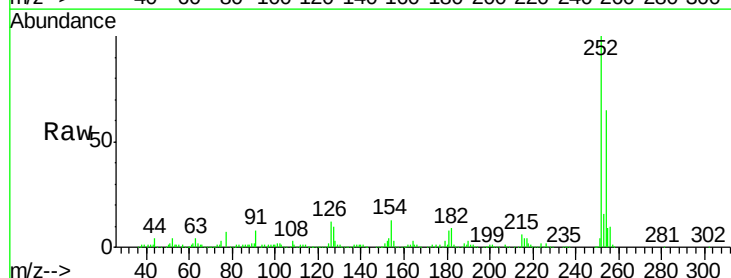
Tgt Ion:252 Resp: 372763

Ion Ratio Lower Upper

252 100

254 64.6 49.8 74.8

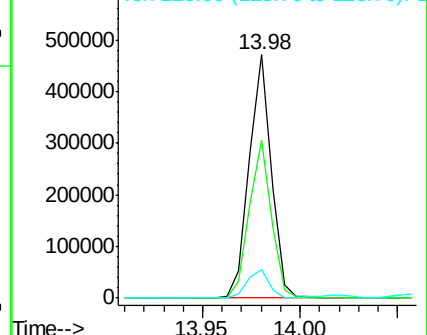
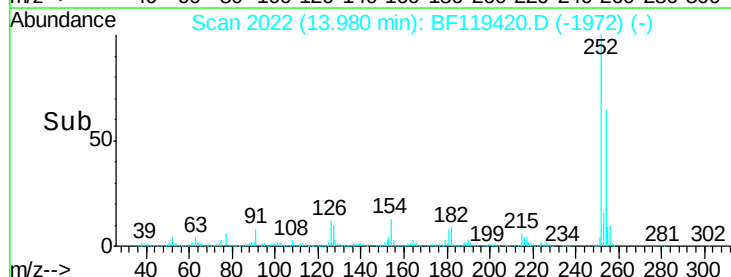
126 11.9 8.9 13.3

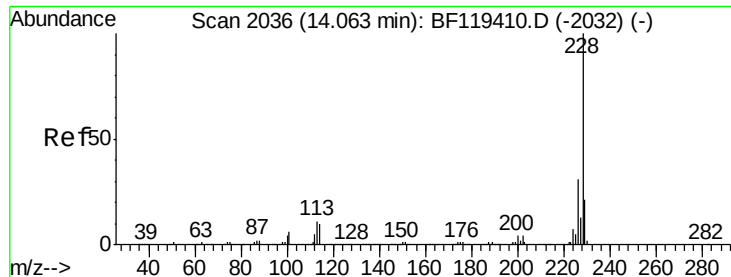


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 39.40 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

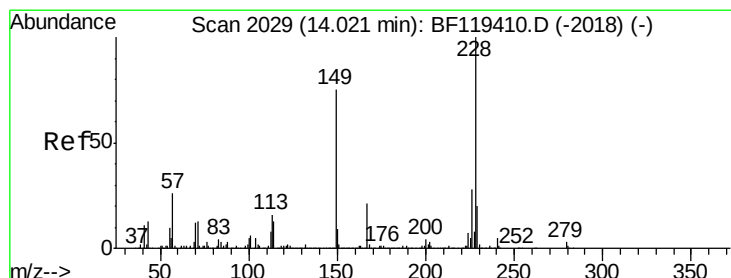
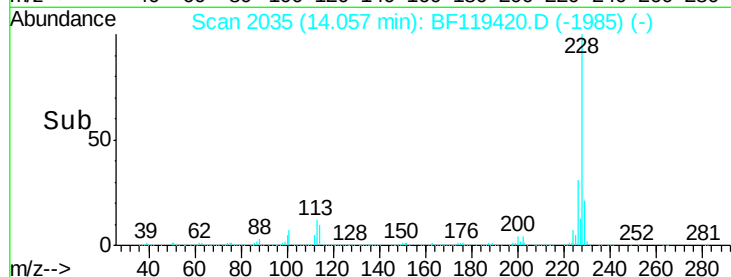
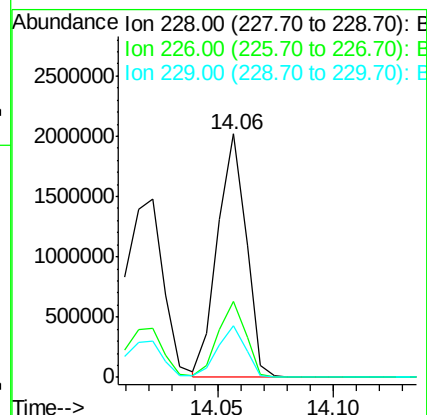
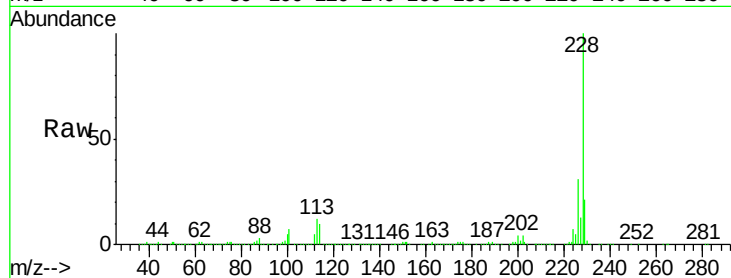
Tgt Ion:228 Resp: 1726329

Ion Ratio Lower Upper

228 100

226 31.2 24.8 37.2

229 21.1 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.86 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

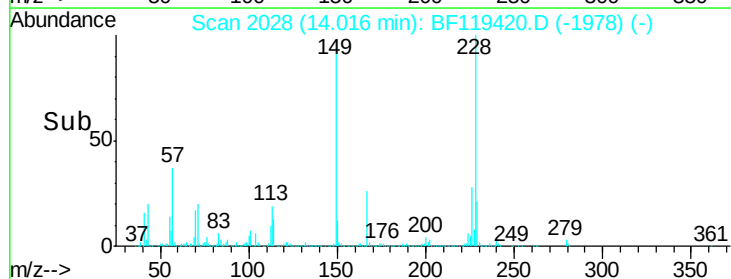
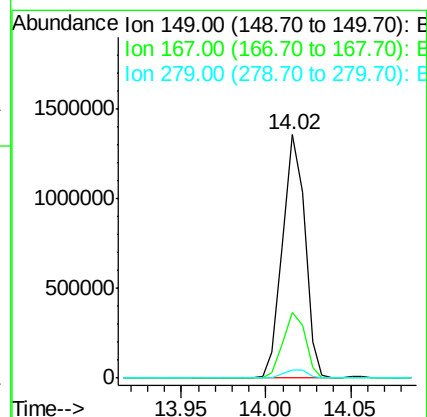
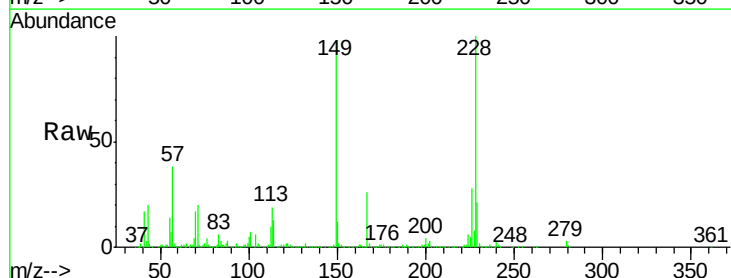
Tgt Ion:149 Resp: 1236348

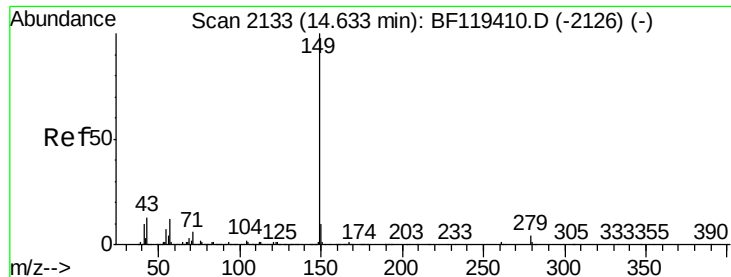
Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

279 3.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 45.49 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

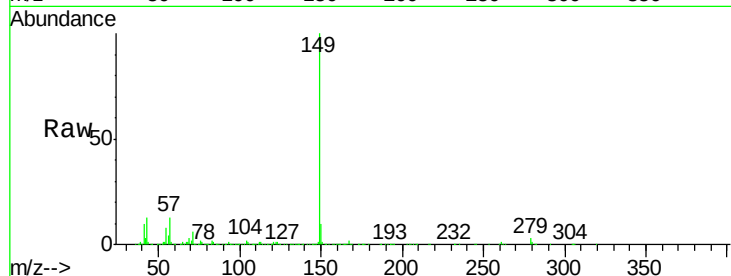
Tgt Ion:149 Resp: 2066351

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

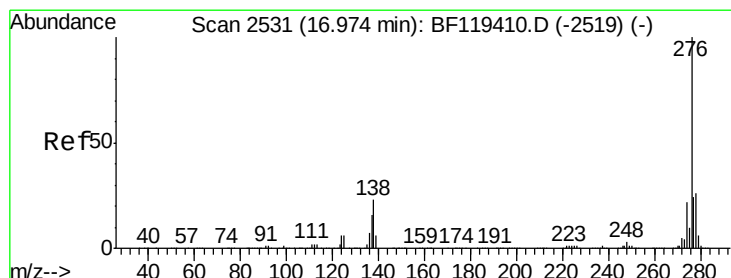
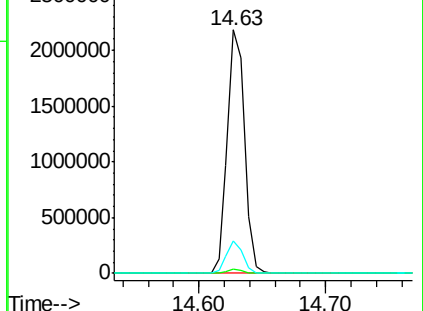
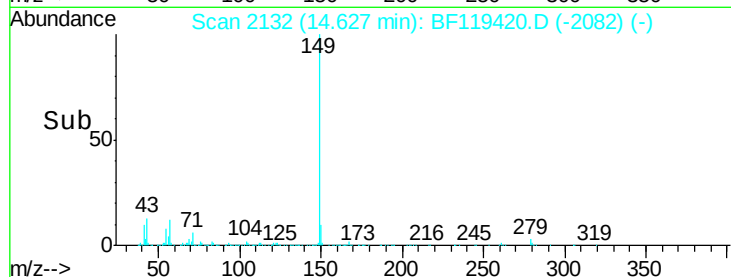
43 12.5 10.1 15.1



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: 45.51 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

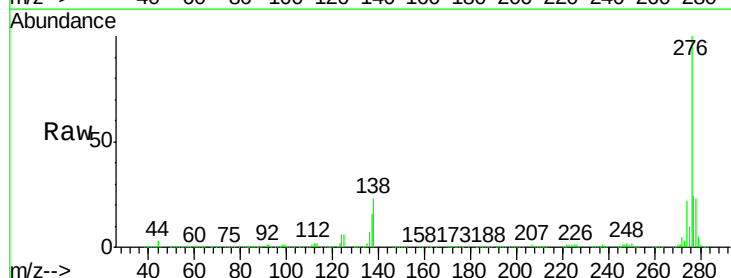
Tgt Ion:276 Resp: 1877591

Ion Ratio Lower Upper

276 100

138 26.2 21.3 31.9

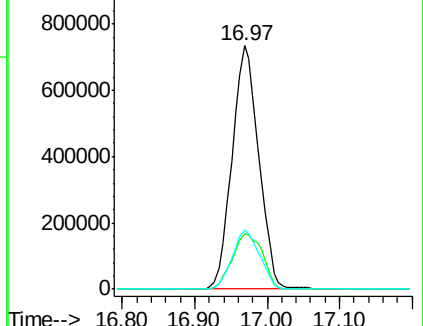
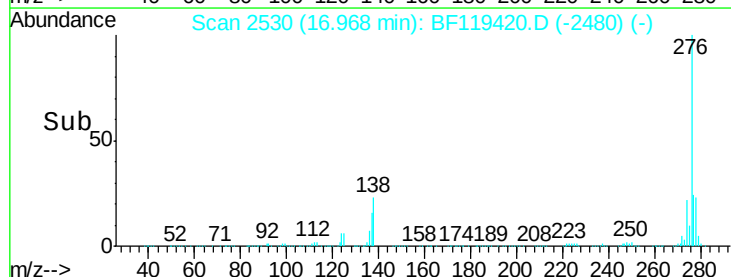
277 25.2 20.2 30.2

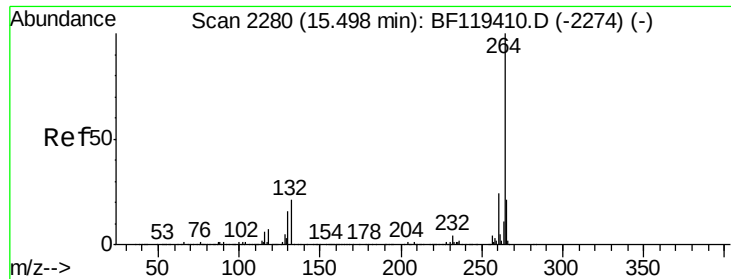


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

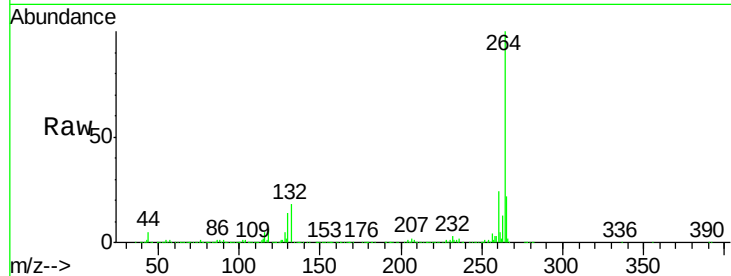
Tgt Ion:264 Resp: 626567

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

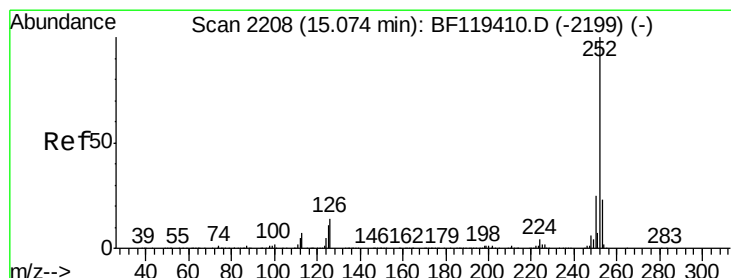
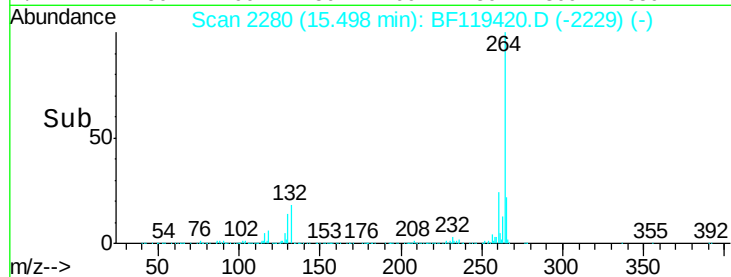
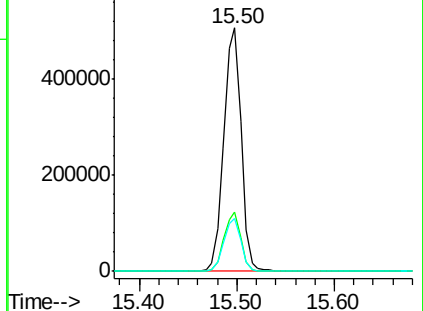
265 21.6 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 41.56 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

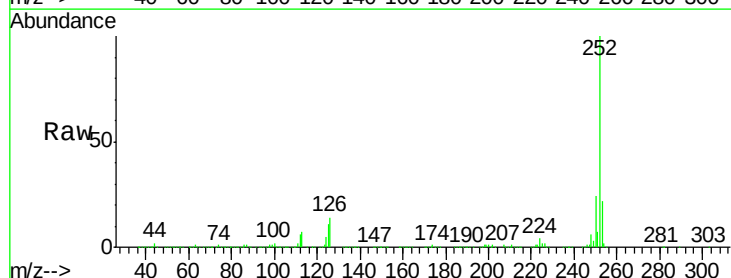
Tgt Ion:252 Resp: 1739353

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

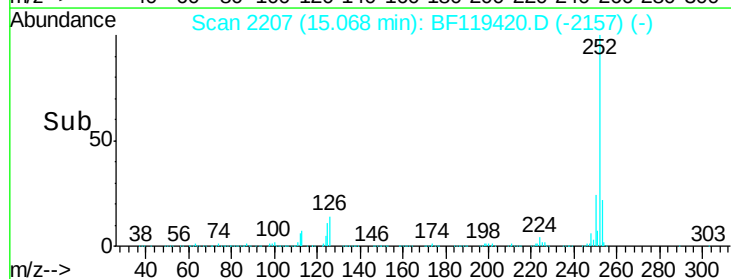
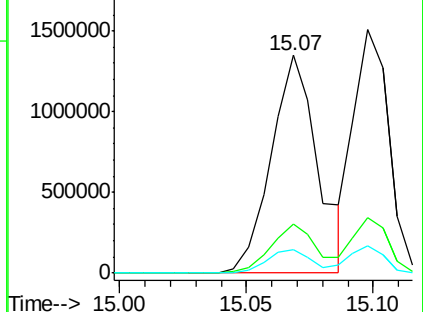
125 10.7 8.8 13.2

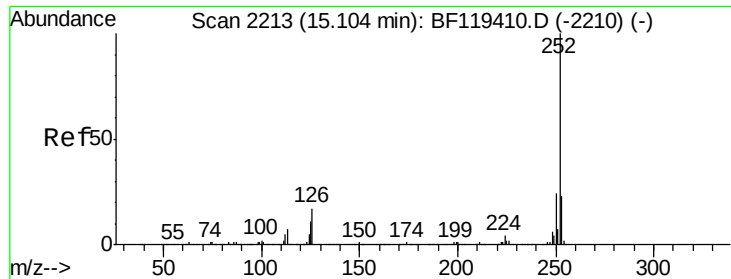


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 36.67 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

Instrument :

BNA_F

ClientSampleId :

VNJ-219MSD

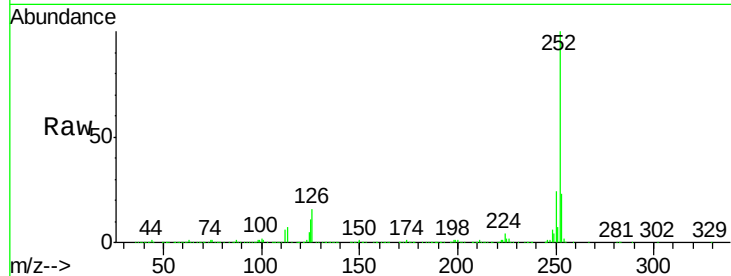
Tgt Ion:252 Resp: 1461395

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

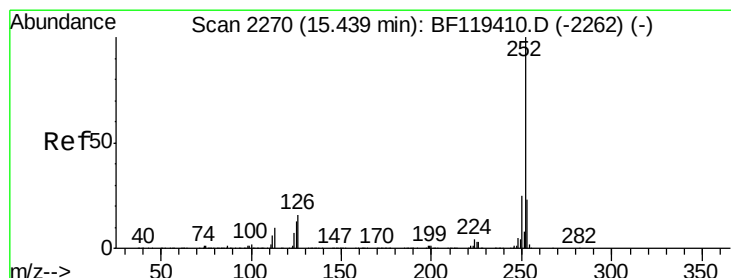
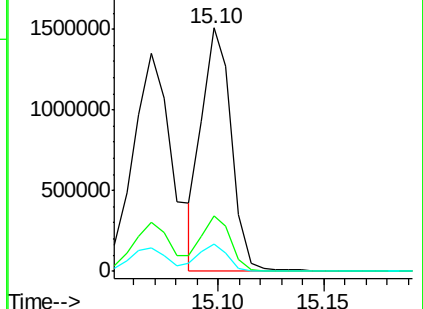
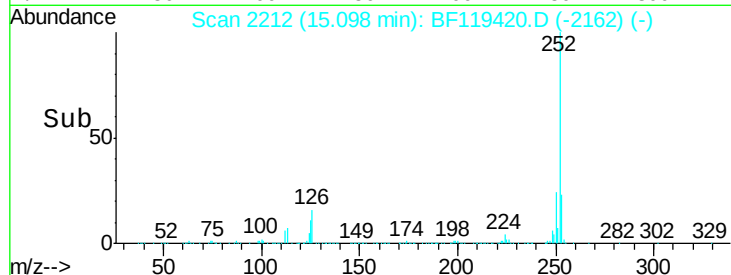
125 11.1 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 39.22 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF119420.D

Acq: 18 Mar 2020 17:34

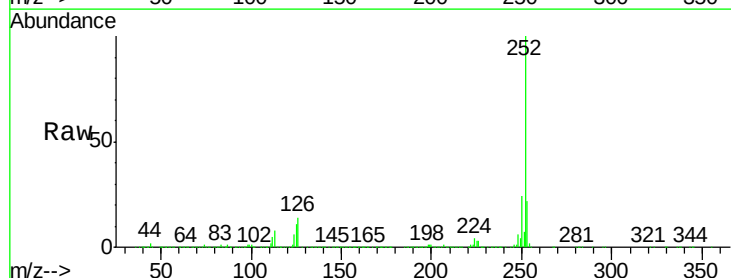
Tgt Ion:252 Resp: 1491722

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.4

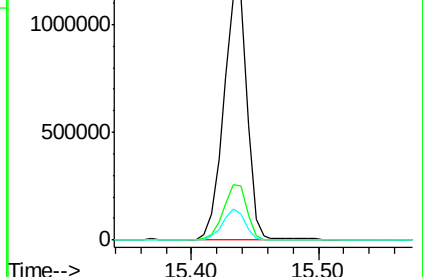
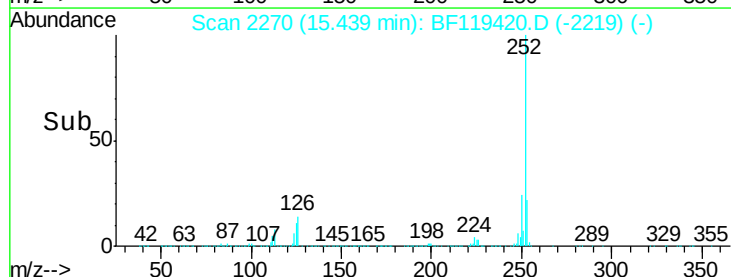
125 10.6 10.2 15.2

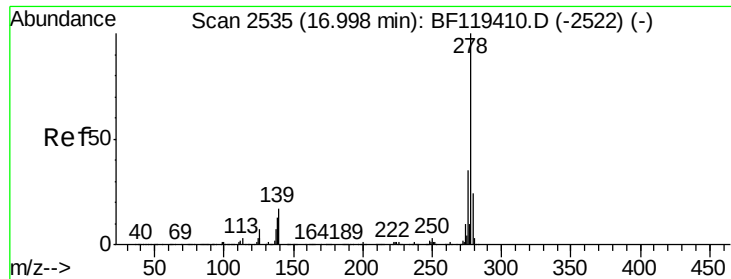


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

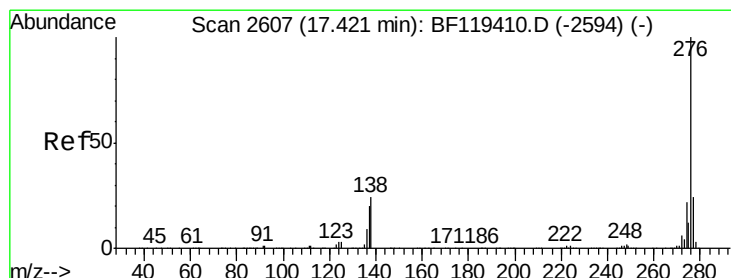
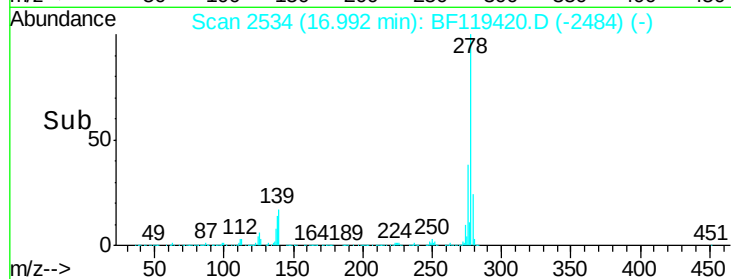
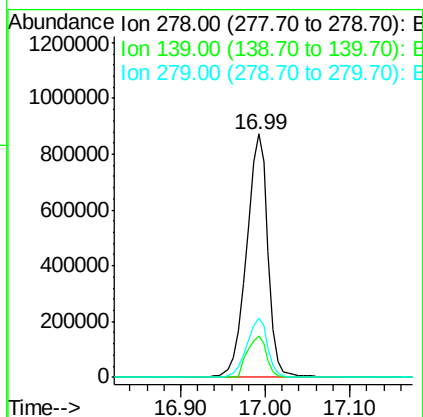
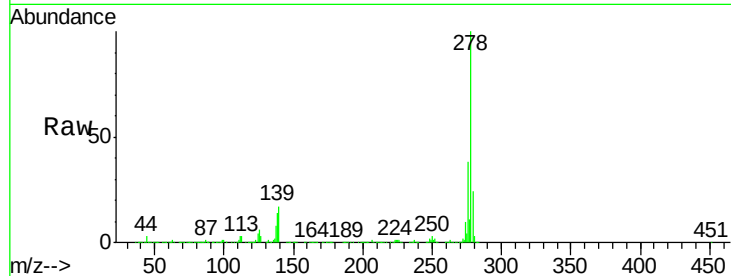




#91
Dibenzo(a,h)anthracene
Concen: 46.22 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Instrument :
BNA_F
ClientSampleId :
VNJ-219MSD

Tgt Ion:278 Resp: 1537762
Ion Ratio Lower Upper
278 100
139 16.9 13.7 20.5
279 24.5 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 48.97 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF119420.D
Acq: 18 Mar 2020 17:34

Tgt Ion:276 Resp: 1636680
Ion Ratio Lower Upper
276 100
277 23.8 18.8 28.2
138 23.2 19.1 28.7

