

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031820\
 Data File : BF119433.D
 Acq On : 18 Mar 2020 23:51
 Operator : CG/JU
 Sample : L1949-04MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

Quant Time: Mar 19 01:22:43 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	348532	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1340610	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	657066	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1150391	20.00	ng	0.00
76) Chrysene-d12	14.03	240	629862	20.00	ng	0.00
87) Perylene-d12	15.50	264	676382	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	2310926	105.55	ng	0.02
7) Phenol-d6	6.48	99	2984345	106.71	ng	0.00
23) Nitrobenzene-d5	7.42	82	1847606	74.90	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	709061	104.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3212540	72.43	ng	0.00
79) Terphenyl-d14	12.97	244	2764345	85.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	382070	35.33	ng	99
3) Pyridine	3.45	79	951669	31.95	ng	98
4) n-Nitrosodimethylamine	3.40	42	578650	39.83	ng	99
6) Aniline	6.52	93	526594	13.64	ng	98
8) 2-Chlorophenol	6.64	128	1019758	44.35	ng	99
9) Benzaldehyde	6.40	77	672386	37.90	ng	98
10) Phenol	6.49	94	1254804	42.05	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	996335	41.74	ng	100
12) 1,3-Dichlorobenzene	6.80	146	1016847	40.86	ng	98
13) 1,4-Dichlorobenzene	6.87	146	1033858	41.53	ng	98
14) 1,2-Dichlorobenzene	7.03	146	961696	41.33	ng	99
15) Benzyl Alcohol	6.99	79	877593	41.71	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1938163	40.26	ng	99
17) 2-Methylphenol	7.10	107	817880	38.82	ng	99
18) Hexachloroethane	7.37	117	391730	42.94	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	699426	41.49	ng	97
20) 3+4-Methylphenols	7.26	107	991573	38.40	ng	# 88
22) Acetophenone	7.27	105	1306729	40.79	ng	99
24) Nitrobenzene	7.44	77	1044340	39.62	ng	98
25) Isophorone	7.68	82	1952505	39.02	ng	99
26) 2-Nitrophenol	7.76	139	497661	47.95	ng	98
27) 2,4-Dimethylphenol	7.79	122	921340	42.93	ng	97
28) bis(2-Chloroethoxy)methane	7.89	93	1221020	41.27	ng	99
29) 2,4-Dichlorophenol	7.99	162	803973	40.77	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	871967	39.98	ng	98
31) Naphthalene	8.16	128	2766347	40.10	ng	99
32) Benzoic acid	7.90	122	565218	40.94	ng	99
33) 4-Chloroaniline	8.20	127	188648	5.97	ng	97
34) Hexachlorobutadiene	8.29	225	488611	40.04	ng	98
35) Caprolactam	8.58	113	171374	26.55	ng	89
36) 4-Chloro-3-methylphenol	8.69	107	846809	39.29	ng	98
37) 2-Methylnaphthalene	8.86	142	1843119	40.71	ng	100
38) 1-Methylnaphthalene	8.96	142	1751360	40.87	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	778989	40.45	ng	99

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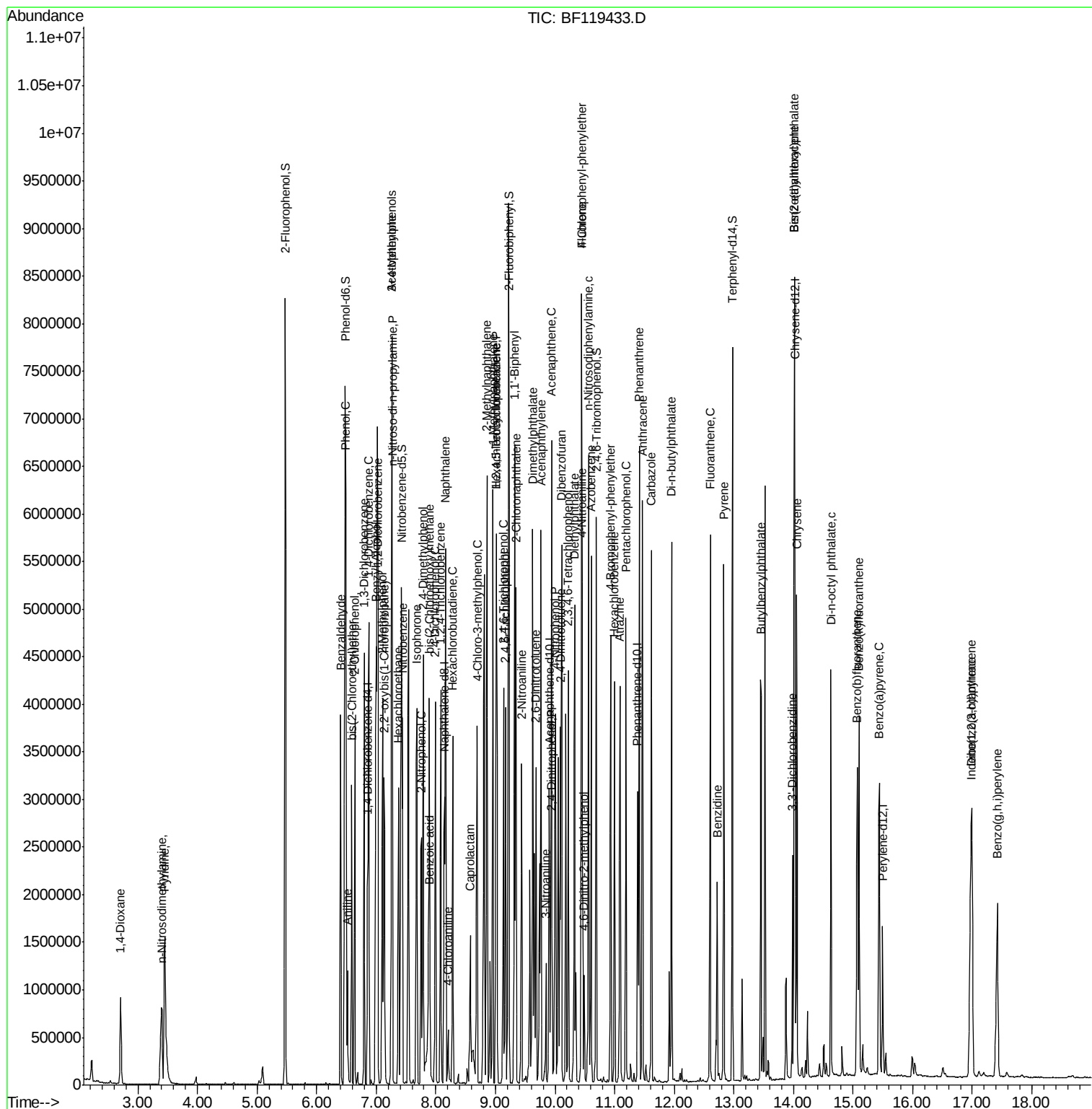
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	736927	67.31	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	578097	41.94	ng	98
44) 2,4,5-Trichlorophenol	9.17	196	565653	36.64	ng	97
46) 1,1'-Biphenyl	9.32	154	2155023	40.27	ng	100
47) 2-Chloronaphthalene	9.35	162	1659254	39.58	ng	99
48) 2-Nitroaniline	9.44	65	591321	40.87	ng	100
49) Acenaphthylene	9.76	152	2627068	39.91	ng	99
50) Dimethylphthalate	9.63	163	2408223	51.60	ng	99
51) 2,6-Dinitrotoluene	9.69	165	425395	42.52	ng	# 83
52) Acenaphthene	9.94	154	1620217	39.48	ng	98
53) 3-Nitroaniline	9.85	138	165032	13.07	ng	98
54) 2,4-Dinitrophenol	9.95	184	166327	42.20	ng	97
55) Dibenzofuran	10.11	168	2319595	39.42	ng	100
56) 4-Nitrophenol	10.01	139	723966	72.66	ng	98
57) 2,4-Dinitrotoluene	10.09	165	550338	43.67	ng	89
58) Fluorene	10.45	166	1692741	38.90	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	468048	40.56	ng	99
60) Diethylphthalate	10.33	149	1935681	40.86	ng	99
61) 4-Chlorophenyl-phenylether	10.45	204	824696	38.76	ng	98
62) 4-Nitroaniline	10.46	138	361424	29.84	ng	99
63) Azobenzene	10.60	77	1866249	39.12	ng	97
65) 4,6-Dinitro-2-methylphenol	10.49	198	132961	27.56	ng	95
66) n-Nitrosodiphenylamine	10.56	169	1600242	42.37	ng	98
67) 4-Bromophenyl-phenylether	10.93	248	539372	41.17	ng	98
68) Hexachlorobenzene	11.00	284	561747	41.89	ng	100
69) Atrazine	11.09	200	454571	43.91	ng	97
70) Pentachlorophenol	11.19	266	572410	72.80	ng	97
71) Phenanthrene	11.42	178	2372209	39.77	ng	100
72) Anthracene	11.47	178	2457776	40.54	ng	99
73) Carbazole	11.62	167	2211820	36.86	ng	98
74) Di-n-butylphthalate	11.96	149	2784523	43.38	ng	99
75) Fluoranthene	12.60	202	2311048	35.80	ng	99
77) Benzidine	12.72	184	778826	29.22	ng	97
78) Pyrene	12.83	202	2275176	44.01	ng	100
80) Butylbenzylphthalate	13.46	149	1007780	48.20	ng	94
81) Benzo(a)anthracene	14.02	228	1656693	40.45	ng	100
82) 3,3'-Dichlorobenzidine	13.98	252	450519	27.90	ng	97
83) Chrysene	14.06	228	1666509	39.42	ng	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	1241785	49.82	ng	99
85) Di-n-octyl phthalate	14.63	149	2129738	48.59	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	1921315	48.26	ng	100
88) Benzo(b)fluoranthene	15.07	252	1755828	38.86	ng	98
89) Benzo(k)fluoranthene	15.10	252	1643508	38.20	ng	97
90) Benzo(a)pyrene	15.44	252	1594384	38.83	ng	97
91) Dibenzo(a,h)anthracene	17.00	278	1580488	44.01	ng	99
92) Benzo(g,h,i)perylene	17.42	276	1594428	44.19	ng	99

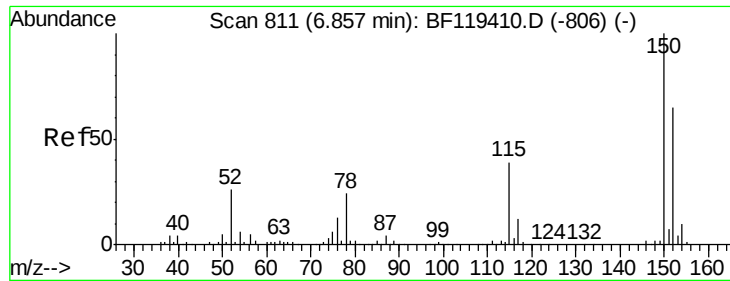
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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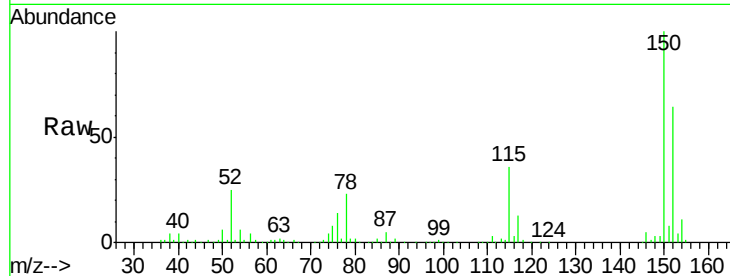




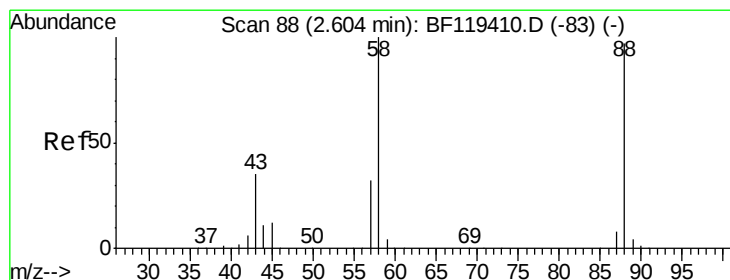
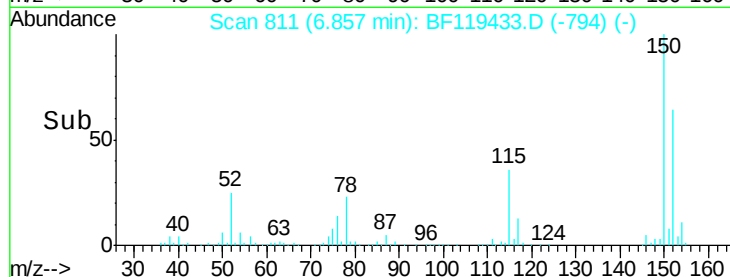
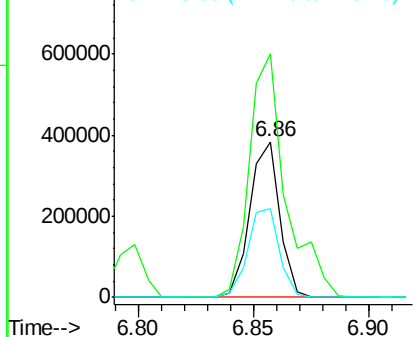
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

Tgt Ion: 152 Resp: 348532
 Ion Ratio Lower Upper
 152 100
 150 156.2 123.9 185.9
 115 57.0 47.8 71.6

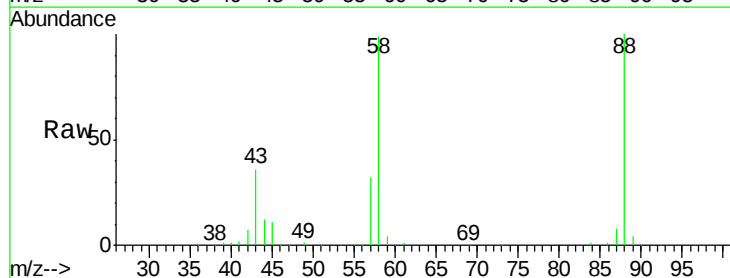


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

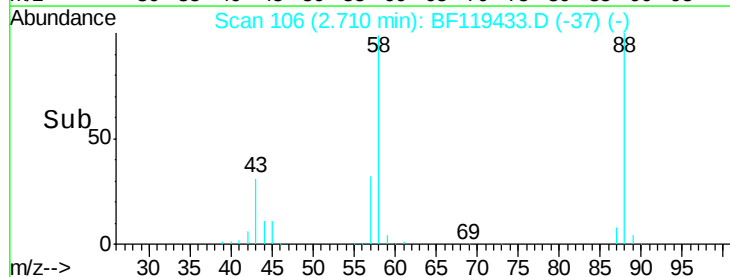
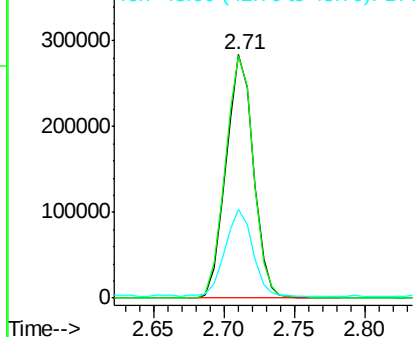


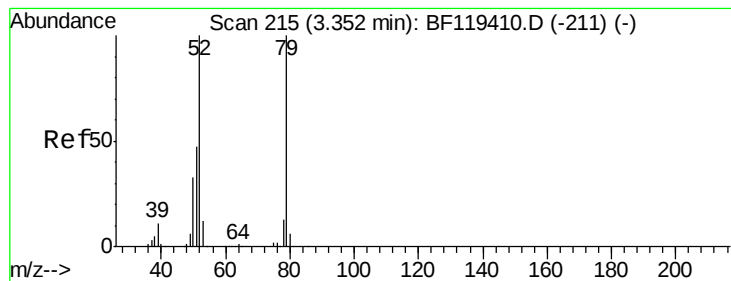
#2
 1,4-Dioxane
 Concen: 35.33 ng
 RT: 2.71 min Scan# 106
 Delta R.T. 0.11 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion: 88 Resp: 382070
 Ion Ratio Lower Upper
 88 100
 58 101.1 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: 31.95 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.10 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

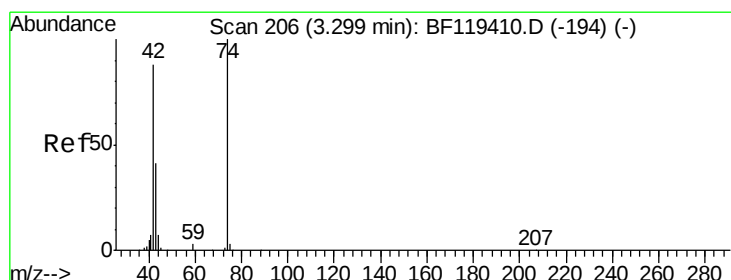
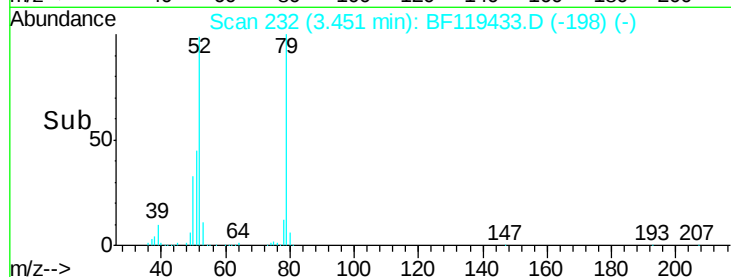
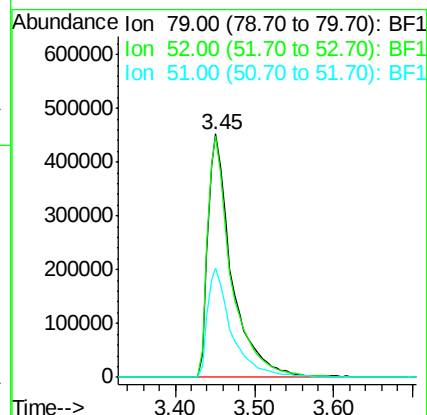
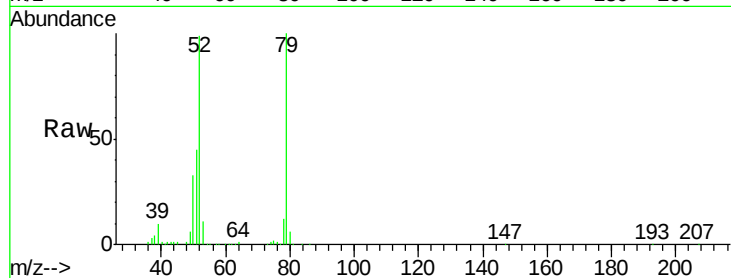
Tgt Ion: 79 Resp: 951669

Ion Ratio Lower Upper

79 100

52 99.0 80.0 120.0

51 45.1 37.9 56.9



#4

n-Nitrosodimethylamine

Concen: 39.83 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.10 min

Lab File: BF119433.D

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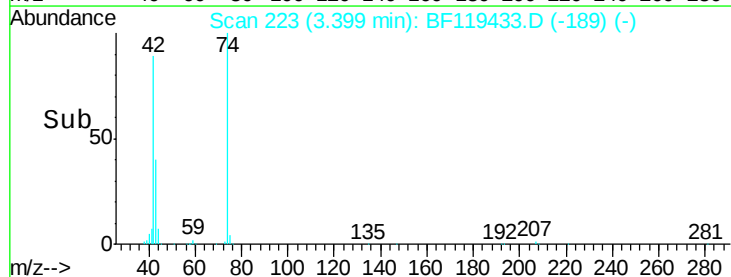
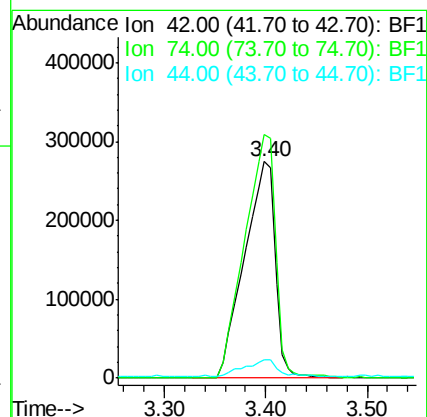
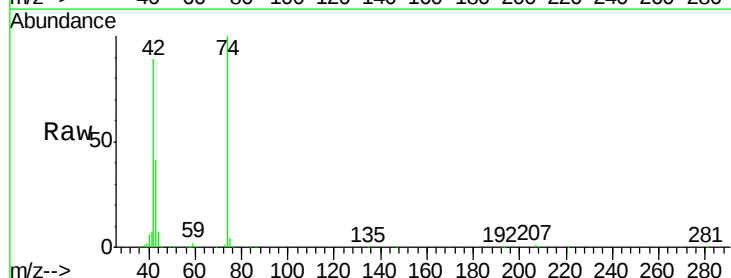
Tgt Ion: 42 Resp: 578650

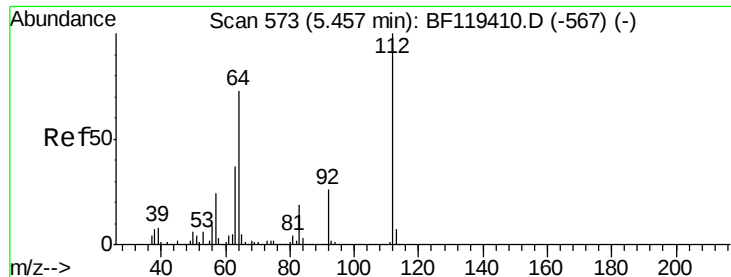
Ion Ratio Lower Upper

42 100

74 112.6 91.3 136.9

44 8.4 7.1 10.7





#5

2-Fluorophenol

Concen: 105.55 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

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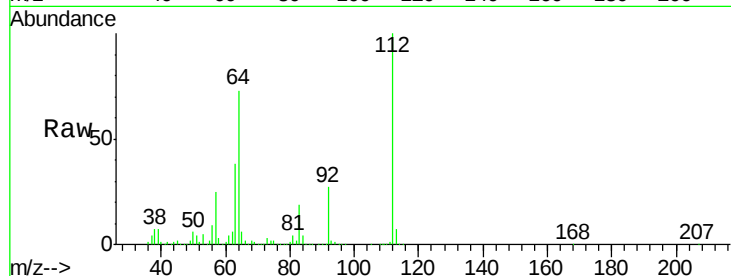
Tgt Ion: 112 Resp: 2310926

Ion Ratio Lower Upper

112 100

64 73.0 58.1 87.1

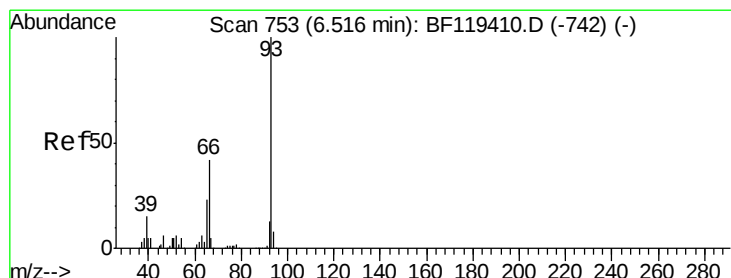
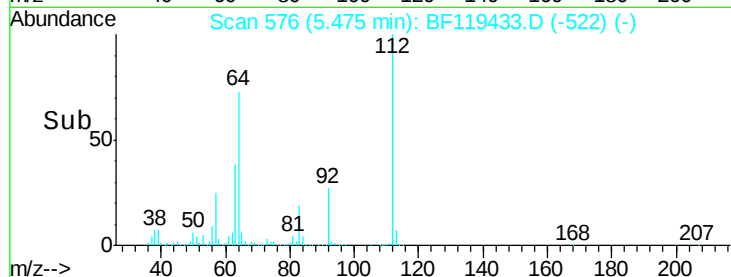
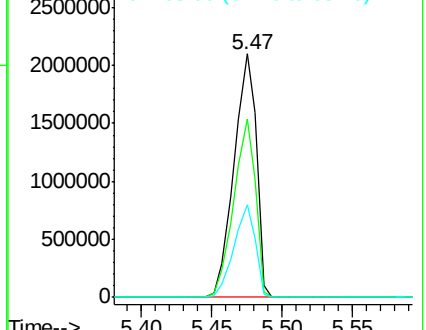
63 38.1 29.7 44.5



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: 13.64 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF119433.D

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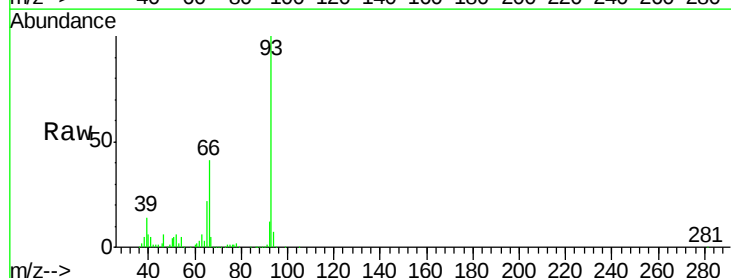
Tgt Ion: 93 Resp: 526594

Ion Ratio Lower Upper

93 100

66 40.8 34.2 51.4

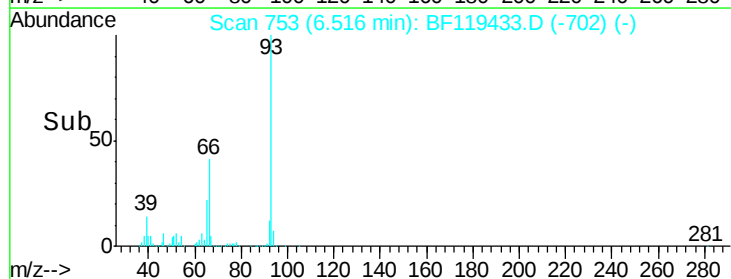
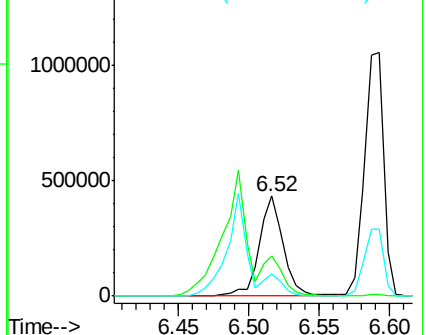
65 22.3 18.2 27.4

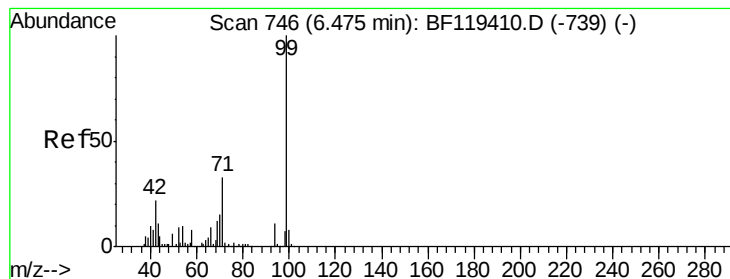


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 106.71 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119433.D

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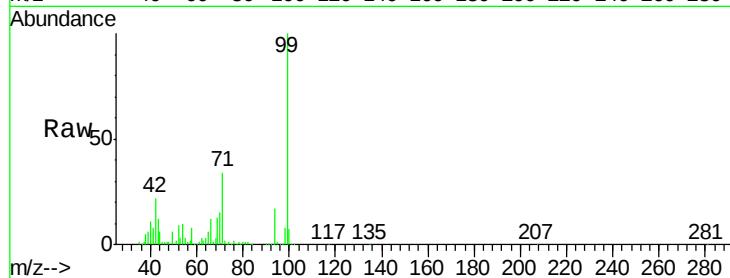
Tgt Ion: 99 Resp: 2984345

Ion Ratio Lower Upper

99 100

42 21.9 17.8 26.6

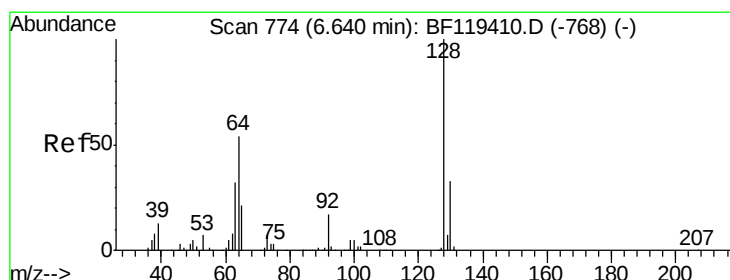
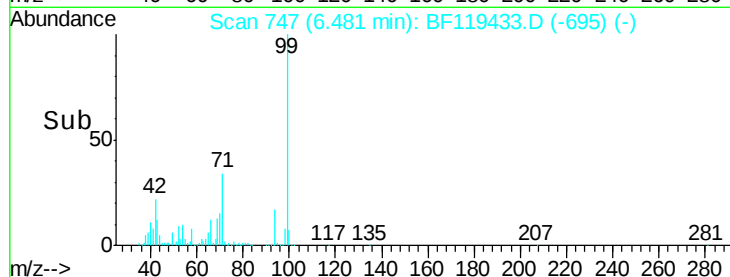
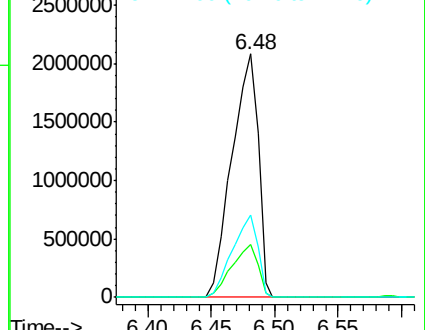
71 33.8 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.35 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

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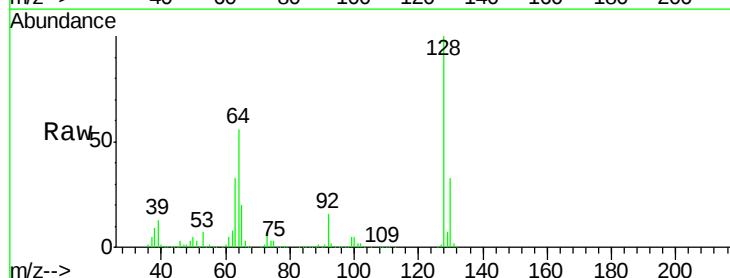
Tgt Ion: 128 Resp: 1019758

Ion Ratio Lower Upper

128 100

130 32.7 13.0 53.0

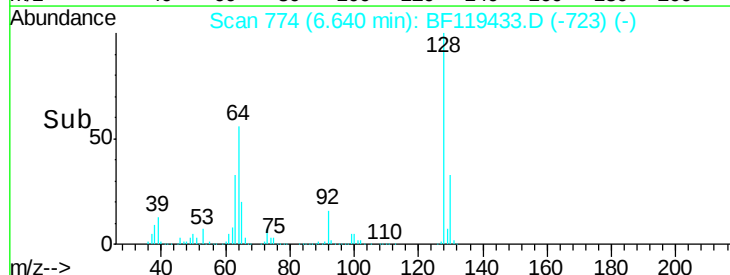
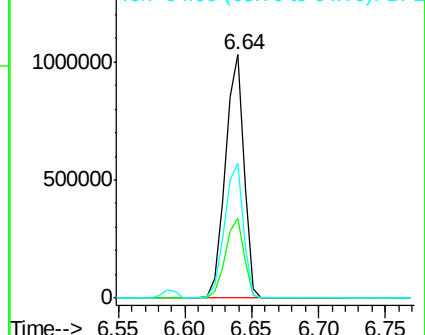
64 55.5 35.1 75.1

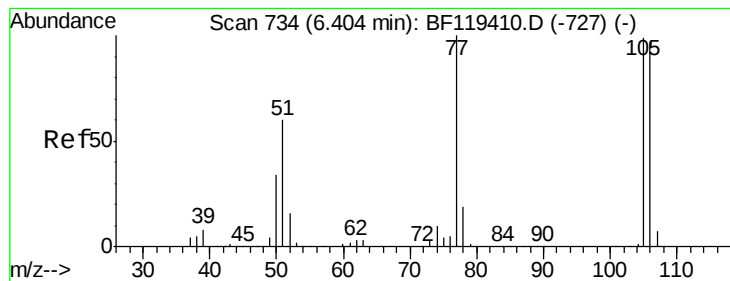


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 37.90 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

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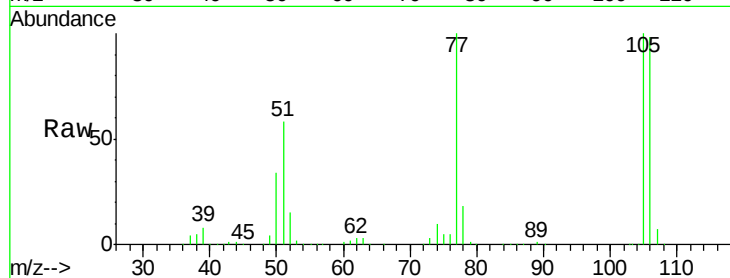
Tgt Ion: 77 Resp: 672386

Ion Ratio Lower Upper

77 100

105 100.2 78.6 118.6

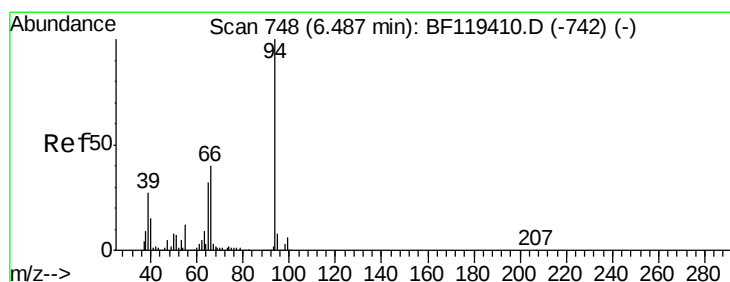
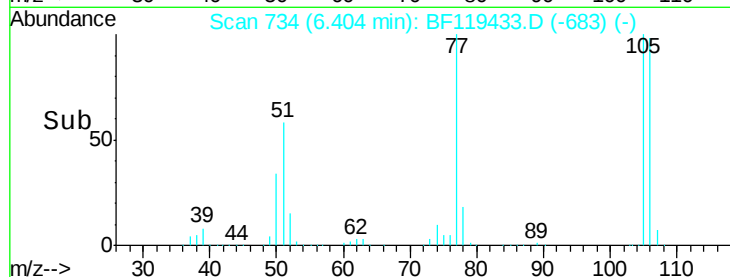
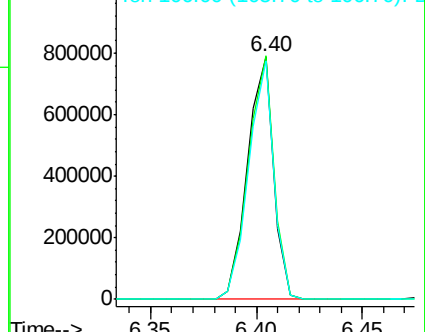
106 98.1 76.5 116.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.05 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

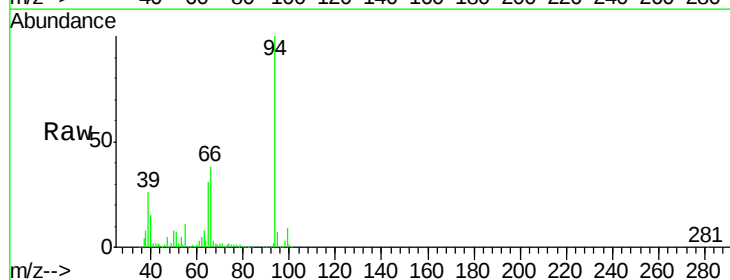
Tgt Ion: 94 Resp: 1254804

Ion Ratio Lower Upper

94 100

65 31.1 12.0 52.0

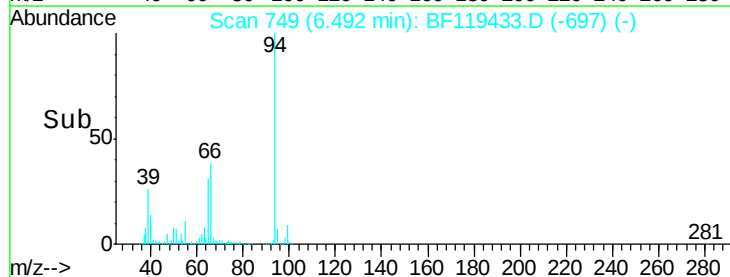
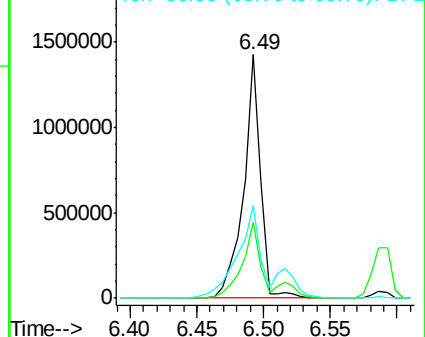
66 38.3 20.6 60.6

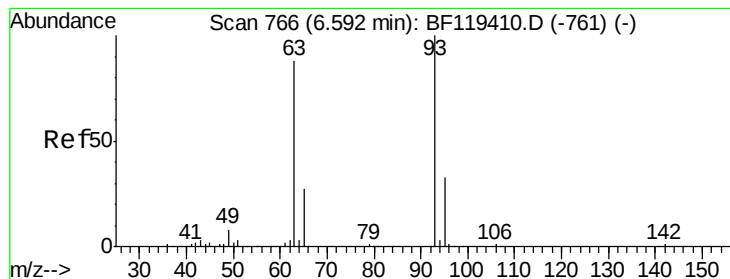


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 41.74 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

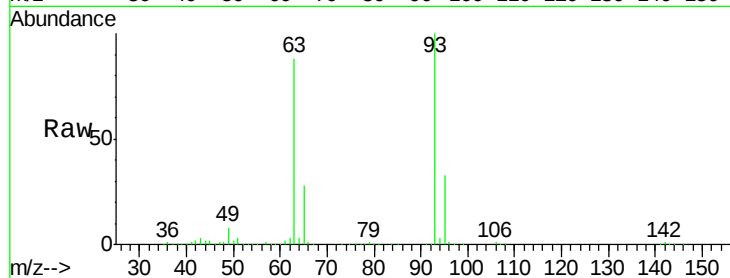
Tgt Ion: 93 Resp: 996335

Ion Ratio Lower Upper

93 100

63 88.3 68.4 108.4

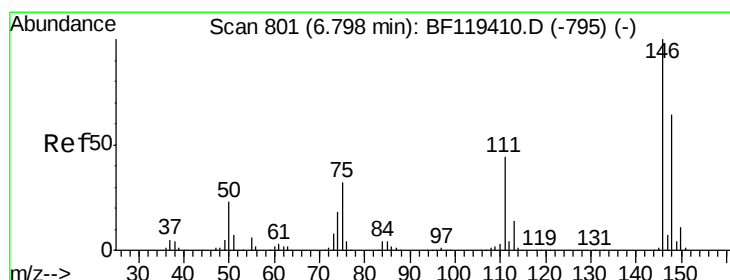
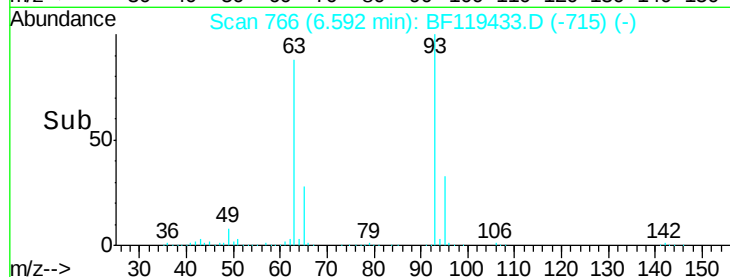
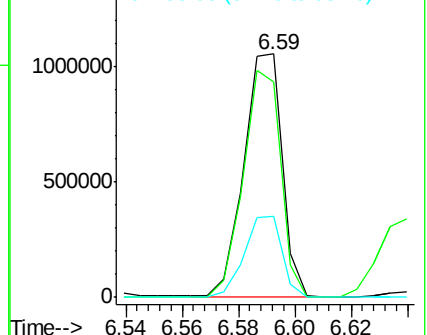
95 33.1 13.4 53.4



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: 40.86 ng

RT: 6.80 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

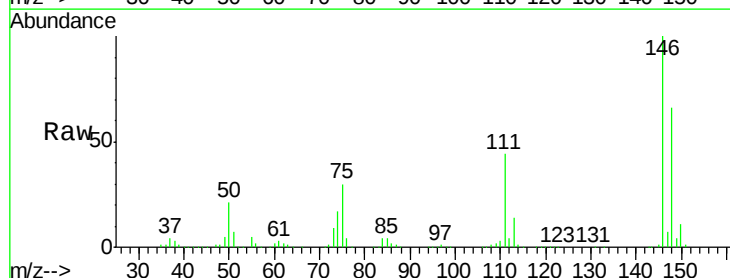
Tgt Ion: 146 Resp: 1016847

Ion Ratio Lower Upper

146 100

148 65.6 51.4 77.0

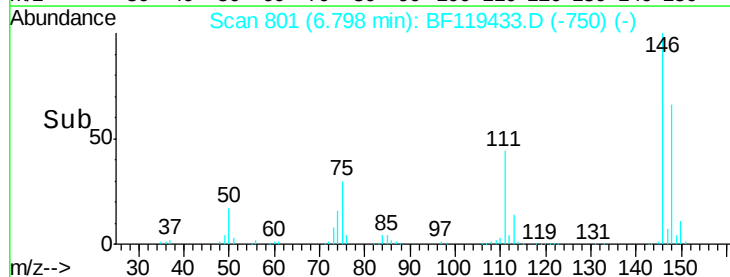
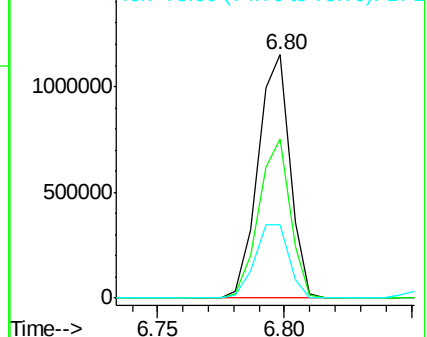
75 30.1 25.8 38.8

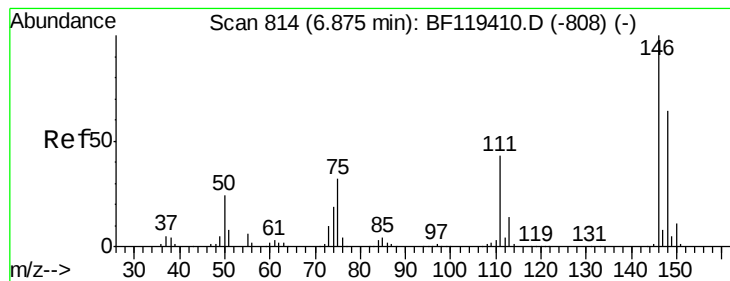


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 41.53 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

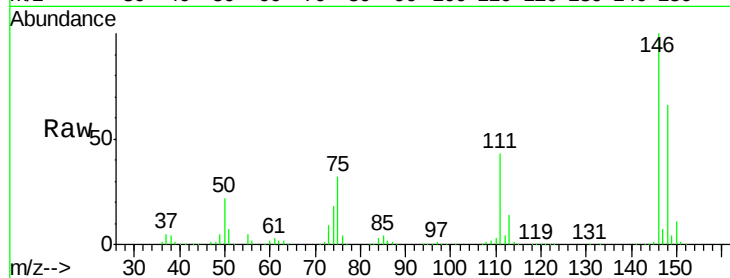
Tgt Ion:146 Resp: 1033858

Ion Ratio Lower Upper

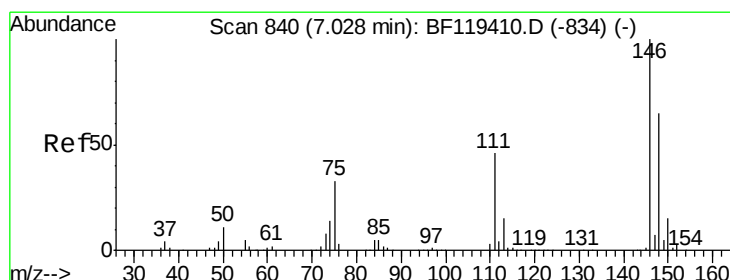
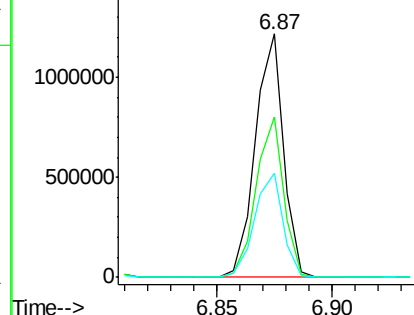
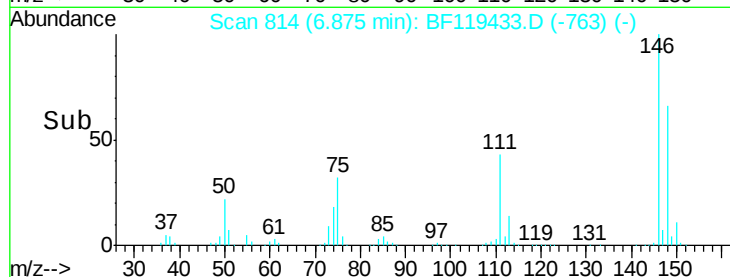
146 100

148 65.7 50.9 76.3

111 42.8 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: 41.33 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

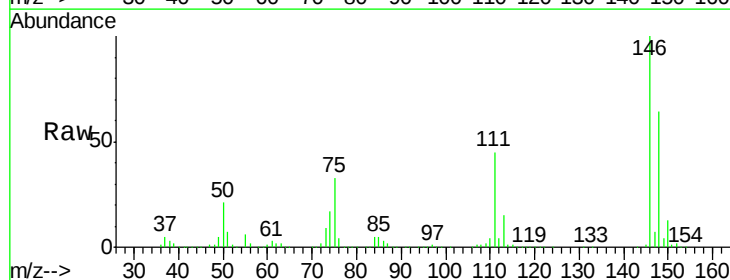
Tgt Ion:146 Resp: 961696

Ion Ratio Lower Upper

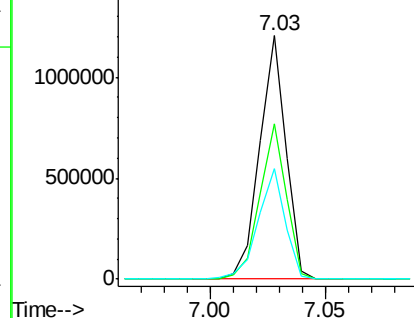
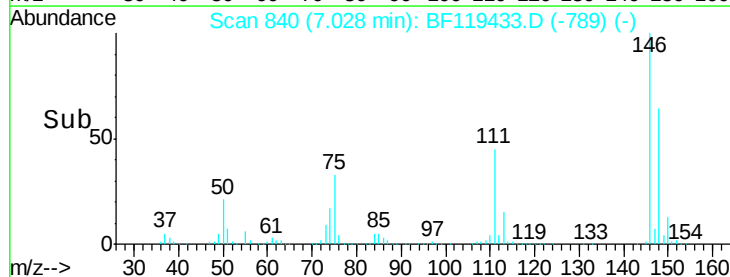
146 100

148 63.9 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: 41.71 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

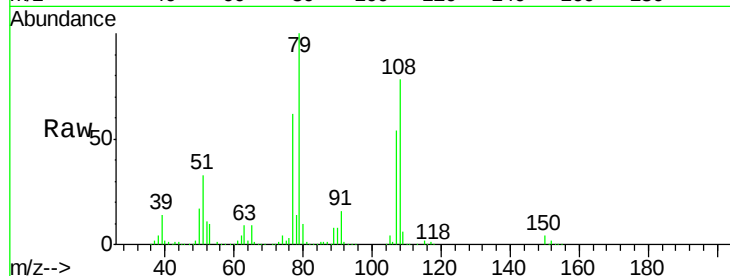
Tgt Ion: 79 Resp: 877593

Ion Ratio Lower Upper

79 100

108 77.6 60.4 90.6

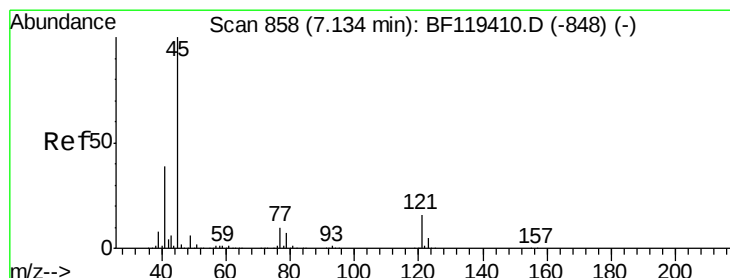
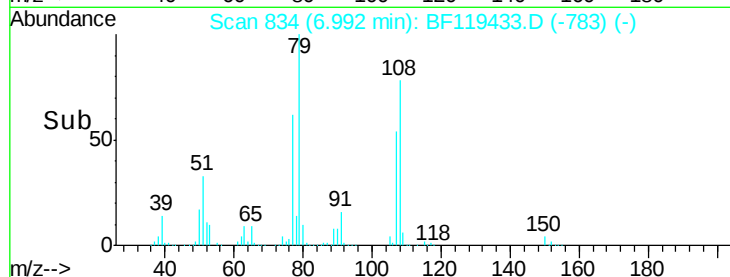
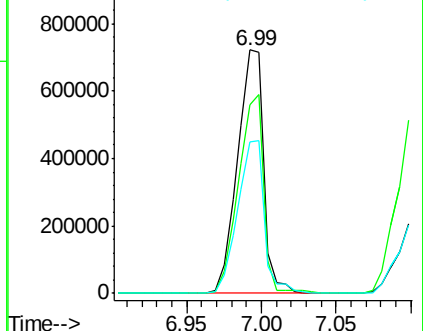
77 62.2 49.0 73.4



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: 40.26 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

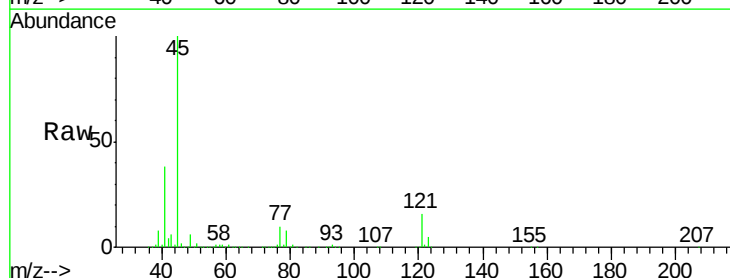
Tgt Ion: 45 Resp: 1938163

Ion Ratio Lower Upper

45 100

77 10.5 0.0 30.1

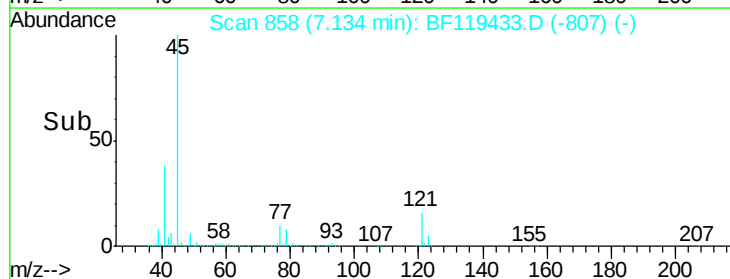
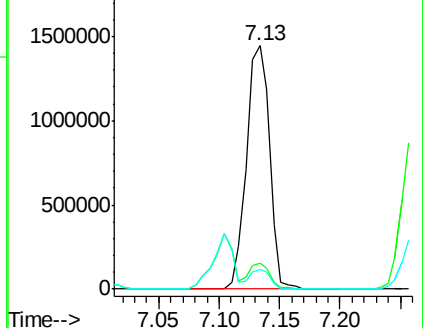
79 8.1 0.0 27.4

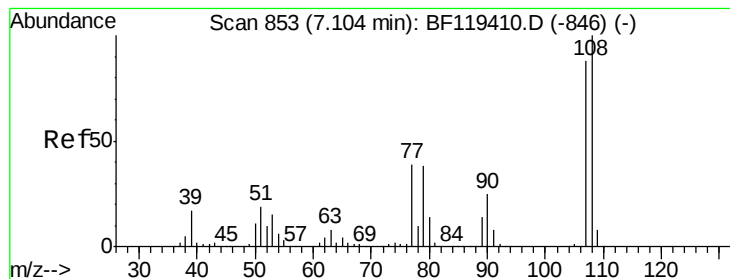


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 38.82 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

Tgt Ion:107 Resp: 817880

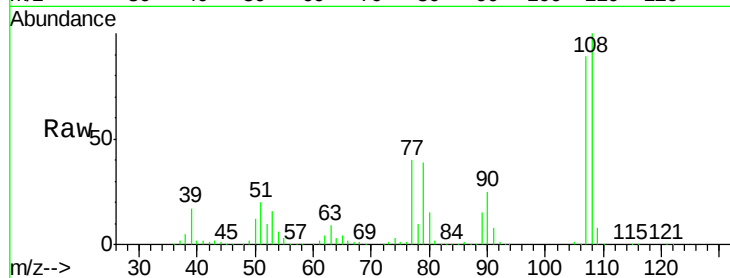
Ion Ratio Lower Upper

107 100

108 112.7 90.7 136.1

77 44.7 35.6 53.4

79 44.3 34.7 52.1

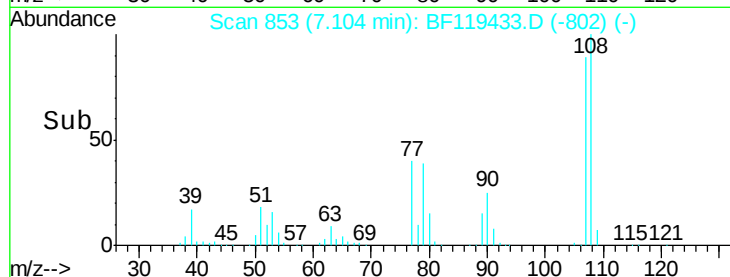


Abundance Ion 107.00 (106.70 to 107.70): E

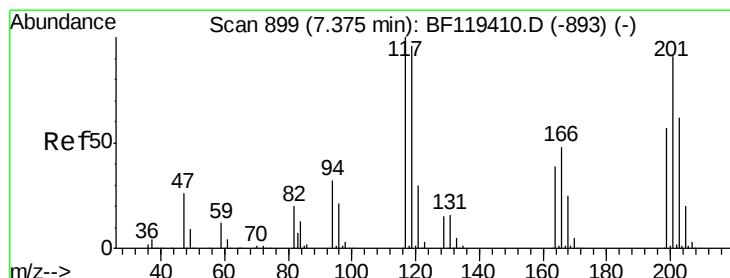
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#18

Hexachloroethane

Concen: 42.94 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

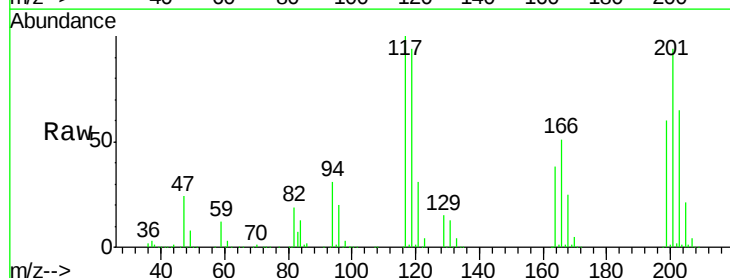
Tgt Ion:117 Resp: 391730

Ion Ratio Lower Upper

117 100

119 94.1 76.8 115.2

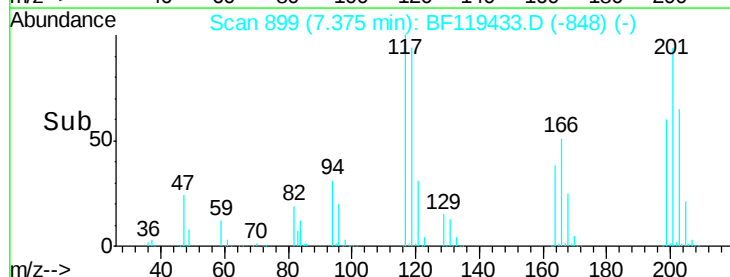
201 94.4 72.5 108.7



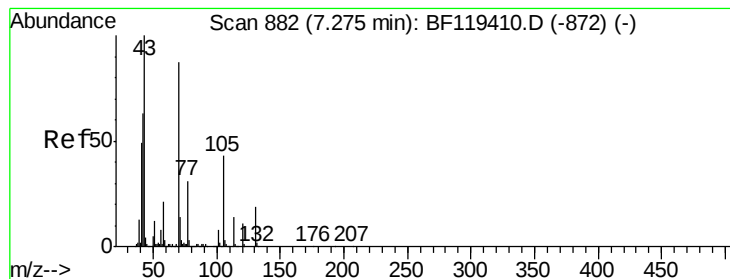
Abundance Ion 117.00 (116.70 to 117.70): E

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: 41.49 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

Tgt Ion: 70 Resp: 699426

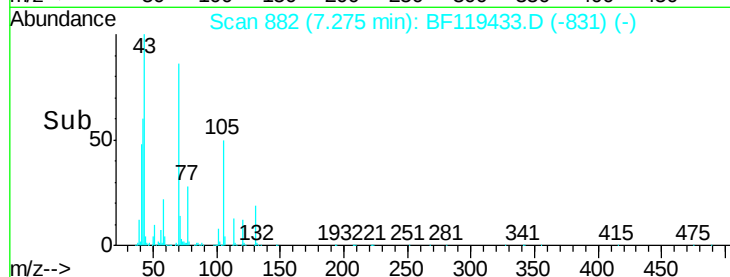
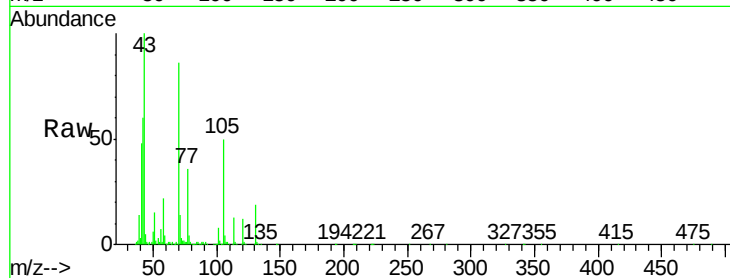
Ion Ratio Lower Upper

70 100

42 70.0 58.2 87.4

101 9.5 7.4 11.2

130 22.0 17.8 26.8

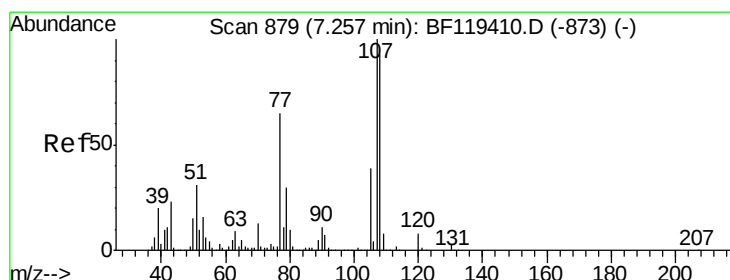
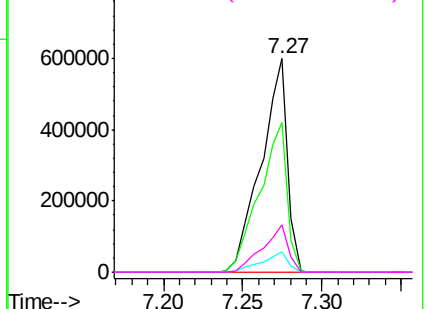


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 38.40 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Tgt Ion: 107 Resp: 991573

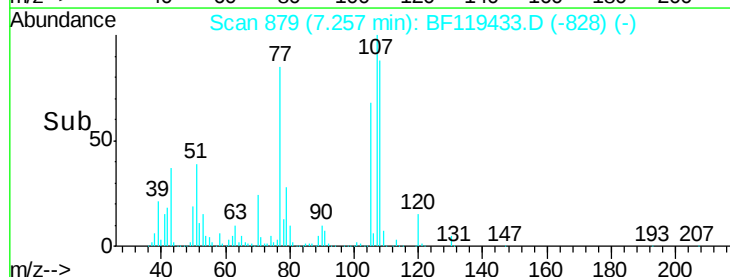
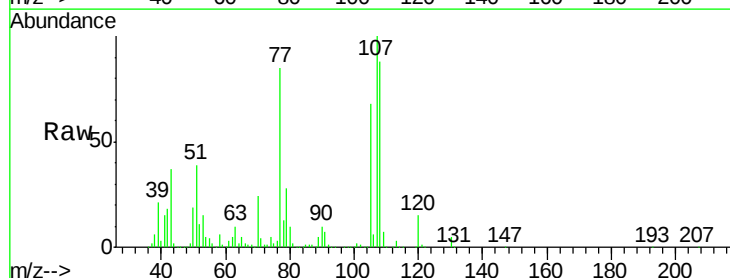
Ion Ratio Lower Upper

107 100

108 88.2 72.6 112.6

77 84.7 44.7 84.7#

79 28.2 10.2 50.2

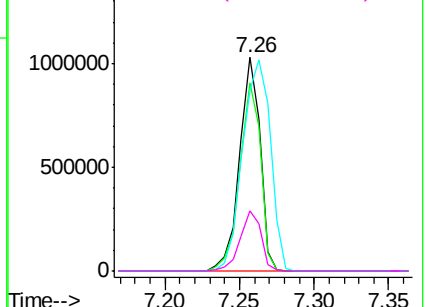


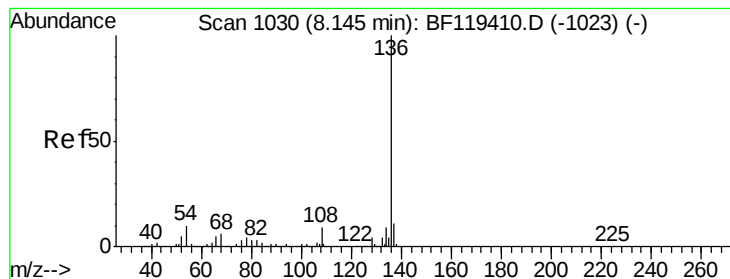
Abundance Ion 107.00 (106.70 to 107.70): BF1

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: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

Tgt Ion:136 Resp: 1340610

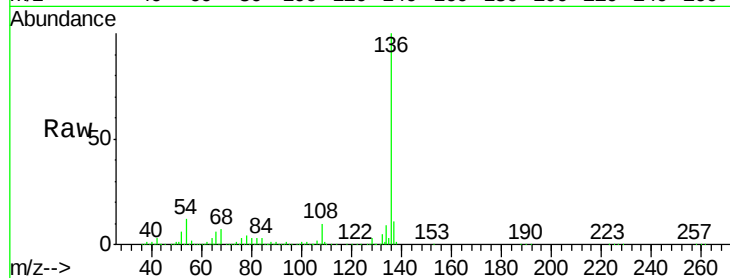
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 12.4 8.3 12.5

68 6.6 4.9 7.3

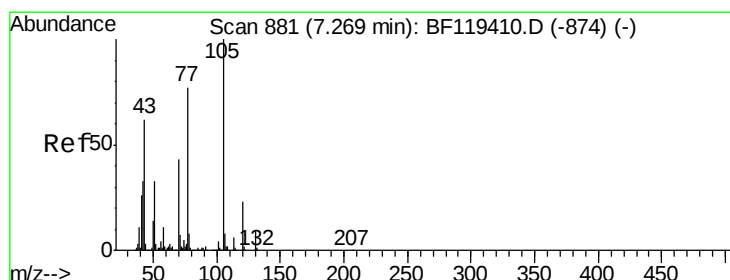
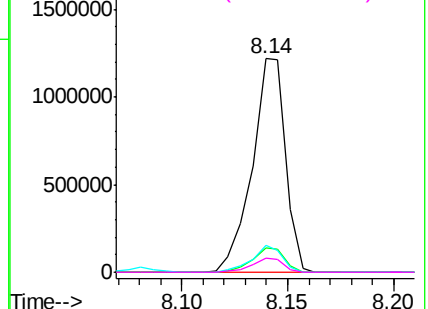
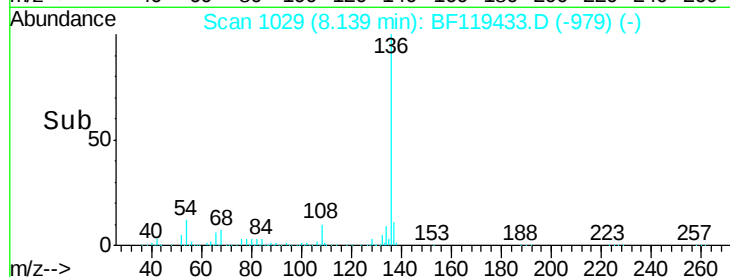


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 40.79 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Tgt Ion:105 Resp: 1306729

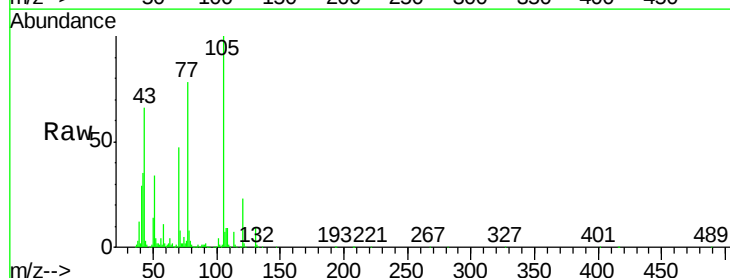
Ion Ratio Lower Upper

105 100

71 8.1 5.8 8.6

51 33.8 26.8 40.2

120 22.8 18.0 27.0

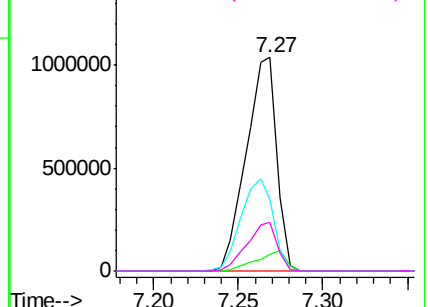
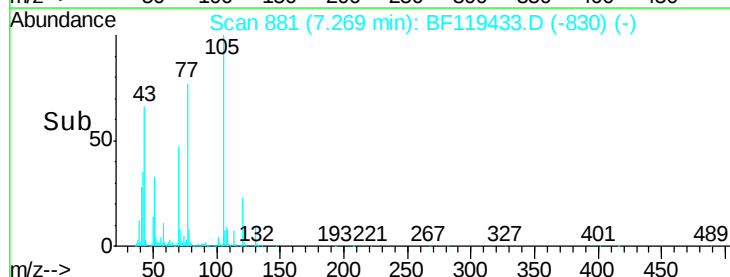


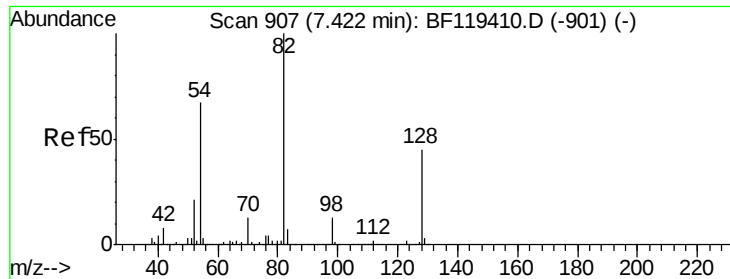
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

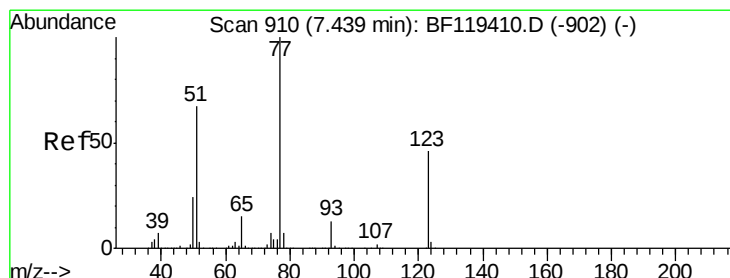
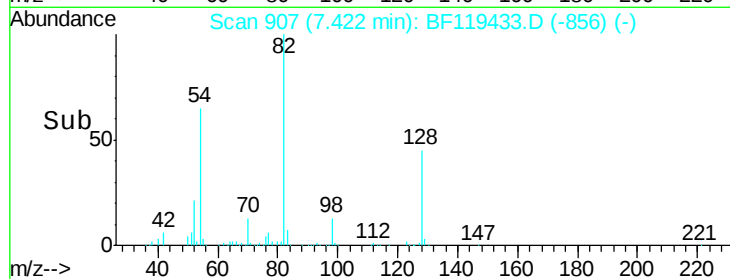
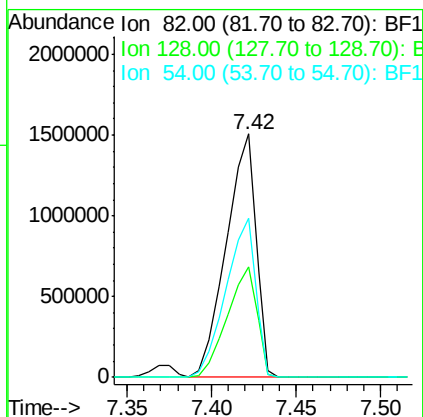
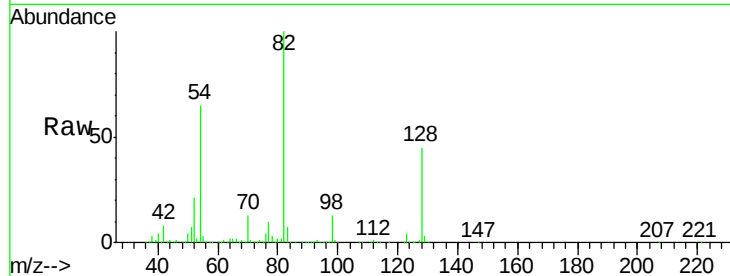




#23
 Nitrobenzene-d5
 Concen: 74.90 ng
 RT: 7.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

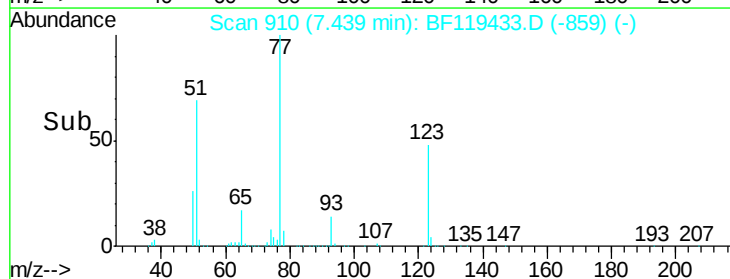
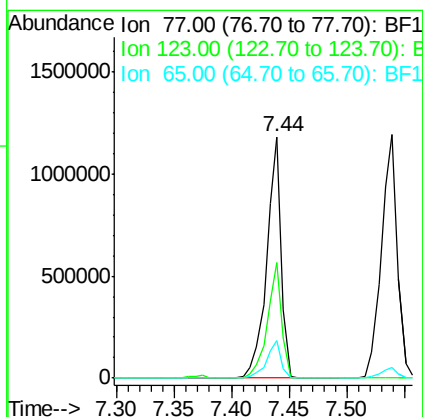
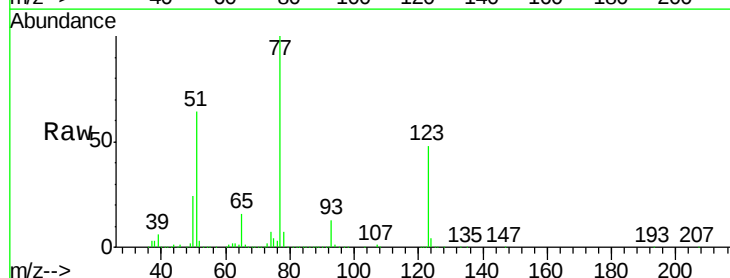
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

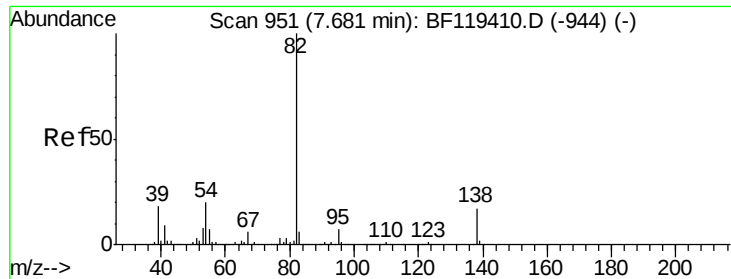
Tgt Ion: 82 Resp: 1847606
 Ion Ratio Lower Upper
 82 100
 128 45.3 35.8 53.8
 54 65.4 53.4 80.0



#24
 Nitrobenzene
 Concen: 39.62 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion: 77 Resp: 1044340
 Ion Ratio Lower Upper
 77 100
 123 48.1 36.9 55.3
 65 15.6 12.2 18.4





#25

Isophorone

Concen: 39.02 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

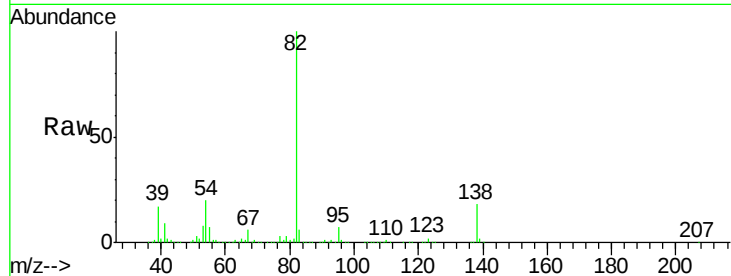
Tgt Ion: 82 Resp: 1952505

Ion Ratio Lower Upper

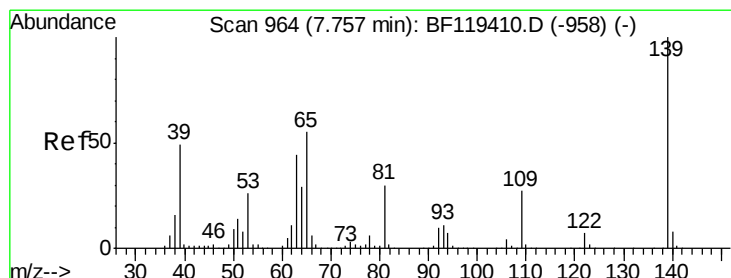
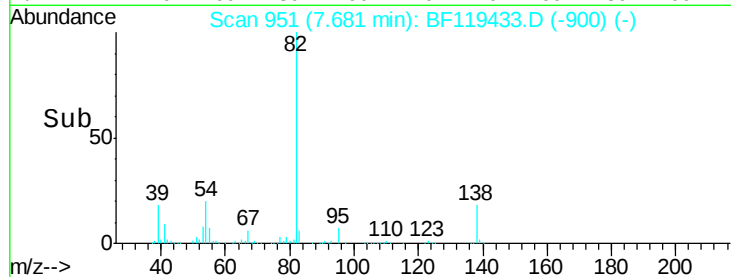
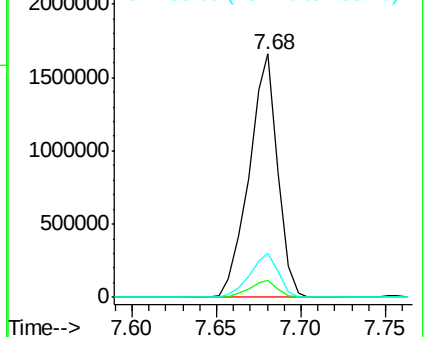
82 100

95 7.0 5.4 8.2

138 17.9 13.8 20.8



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



#26

2-Nitrophenol

Concen: 47.95 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

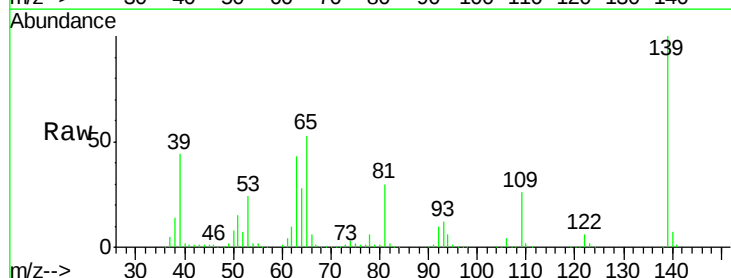
Tgt Ion: 139 Resp: 497661

Ion Ratio Lower Upper

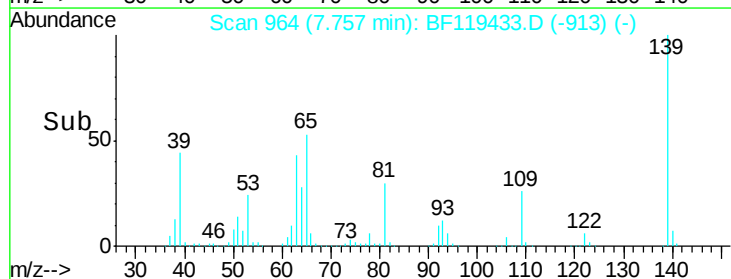
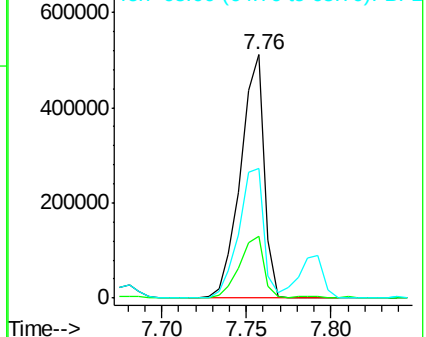
139 100

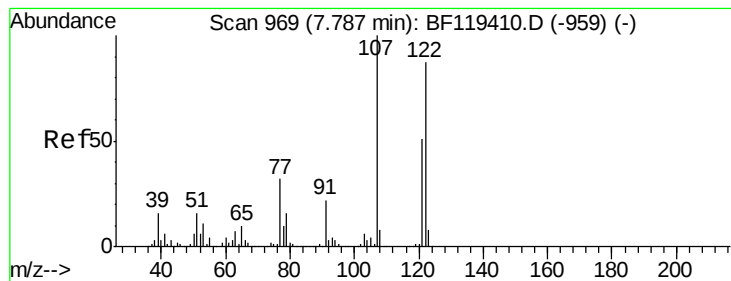
109 25.6 21.7 32.5

65 53.4 43.9 65.9



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





#27

2,4-Dimethylphenol

Concen: 42.93 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

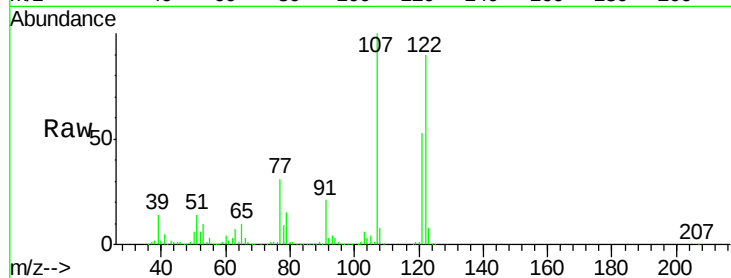
Tgt Ion:122 Resp: 921340

Ion Ratio Lower Upper

122 100

107 110.8 91.8 137.6

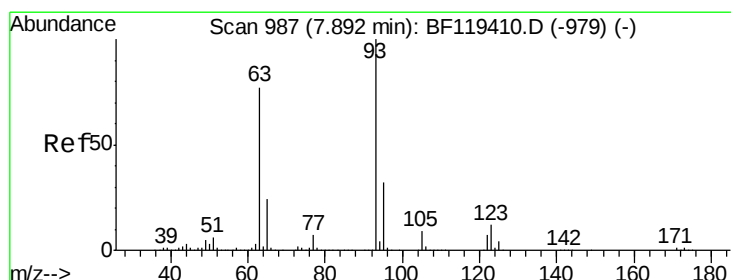
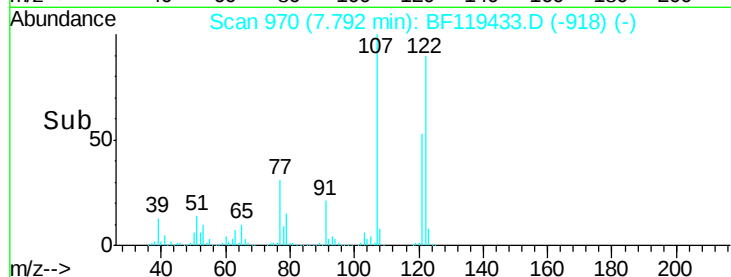
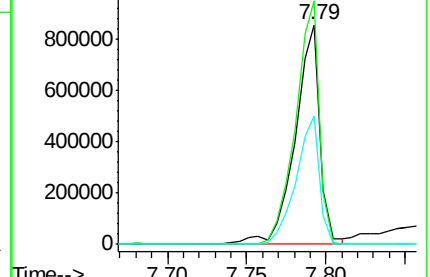
121 58.6 46.5 69.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 41.27 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

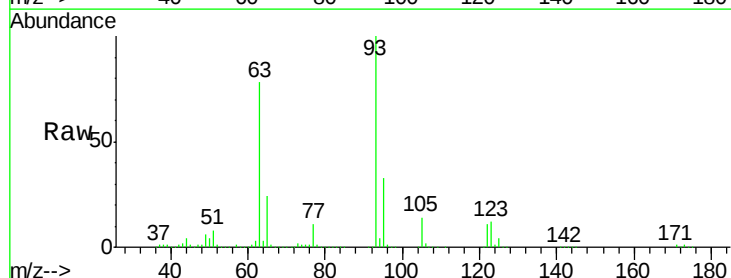
Tgt Ion: 93 Resp: 1221020

Ion Ratio Lower Upper

93 100

95 33.1 26.0 39.0

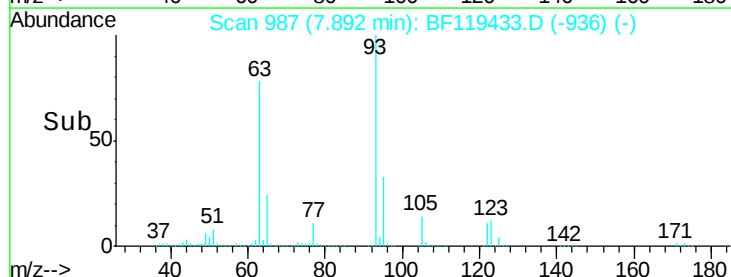
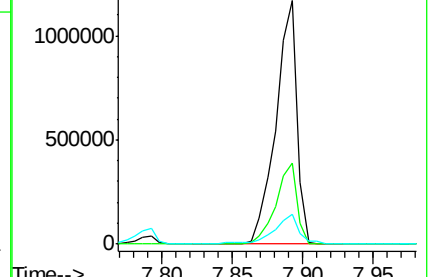
123 12.1 9.7 14.5

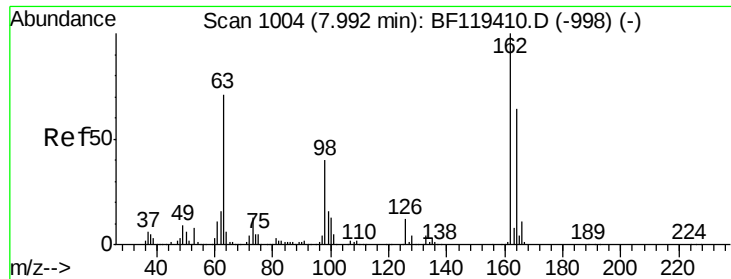


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

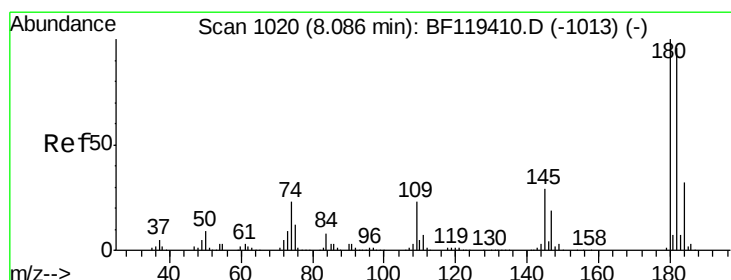
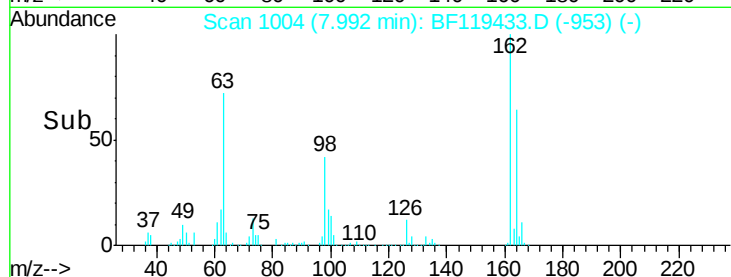
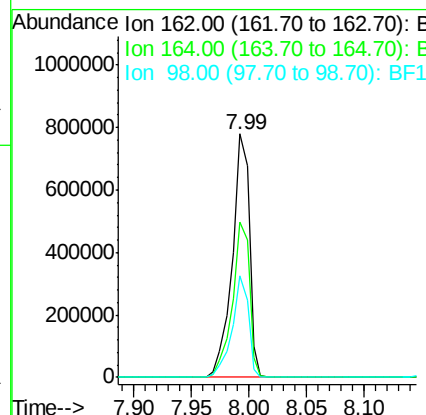
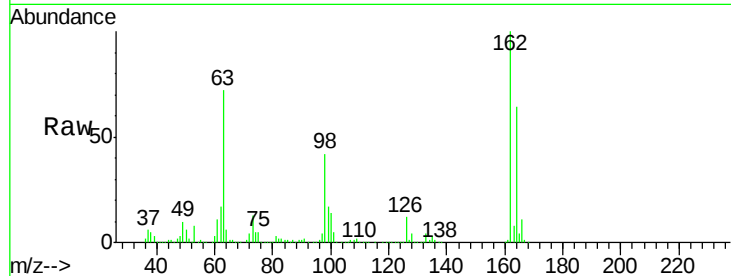




#29
 2,4-Dichlorophenol
 Concen: 40.77 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

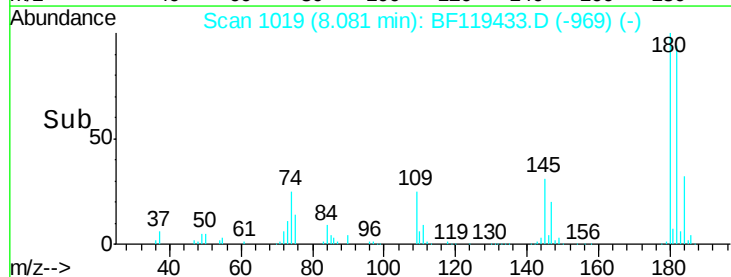
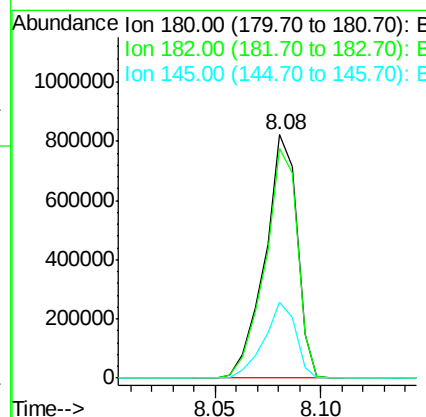
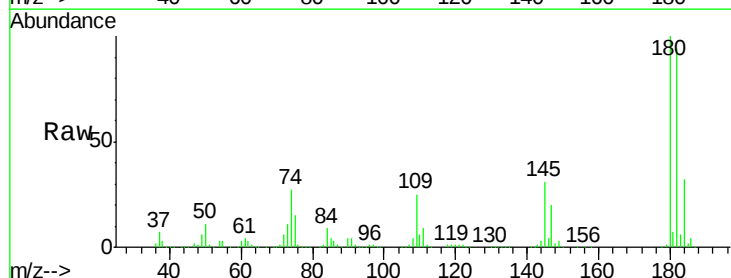
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

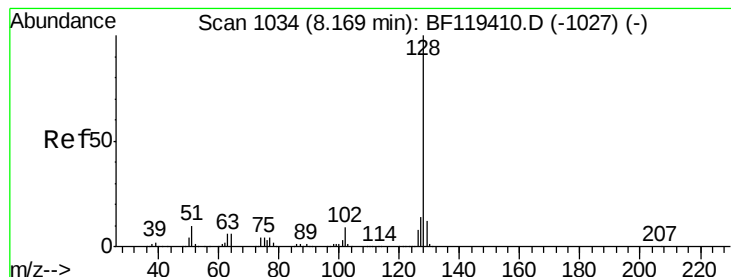
Tgt Ion:162 Resp: 803973
 Ion Ratio Lower Upper
 162 100
 164 63.7 43.6 83.6
 98 41.7 20.4 60.4



#30
 1,2,4-Trichlorobenzene
 Concen: 39.98 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion:180 Resp: 871967
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 115.0
 145 31.3 23.2 34.8





#31

Naphthalene

Concen: 40.10 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

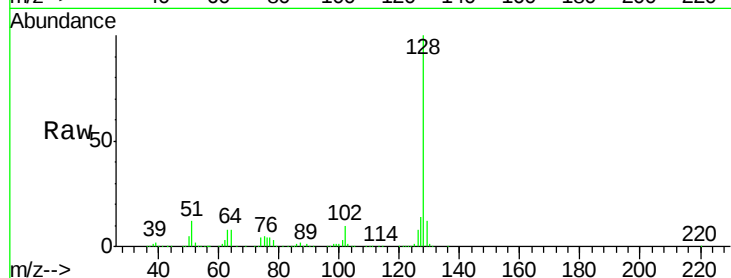
Tgt Ion:128 Resp: 2766347

Ion Ratio Lower Upper

128 100

129 12.0 9.3 13.9

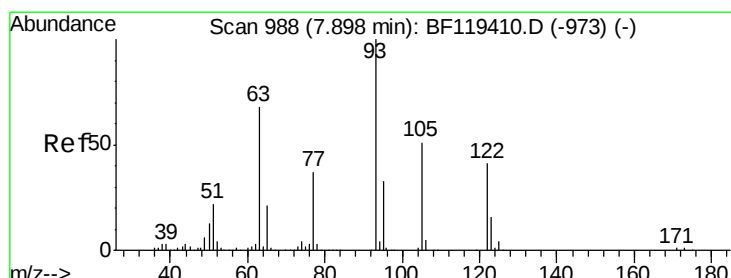
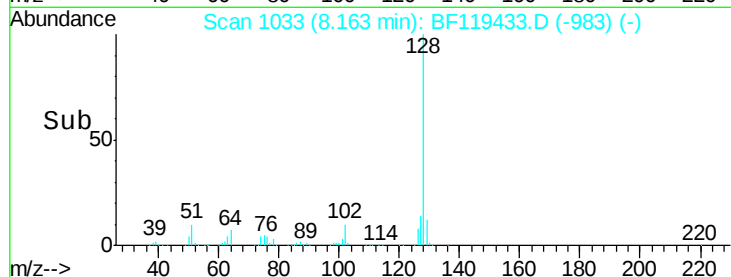
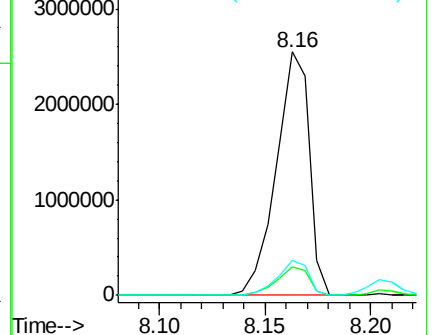
127 14.3 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.94 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

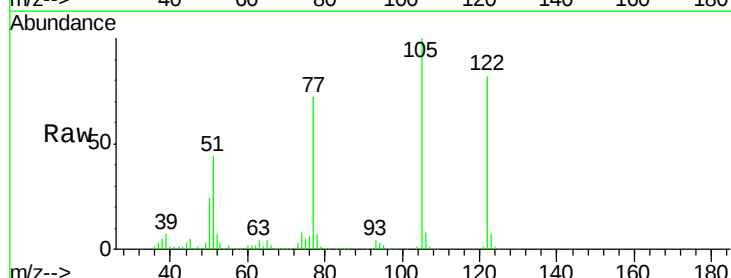
Tgt Ion:122 Resp: 565218

Ion Ratio Lower Upper

122 100

105 122.6 102.9 142.9

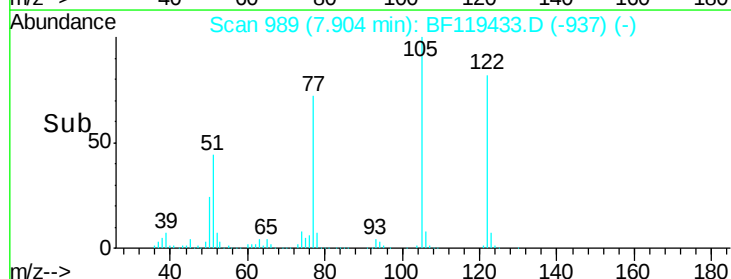
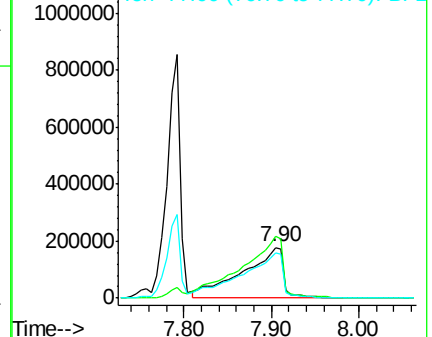
77 88.8 70.1 110.1

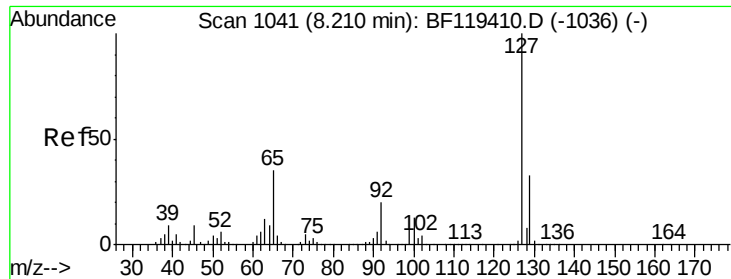


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

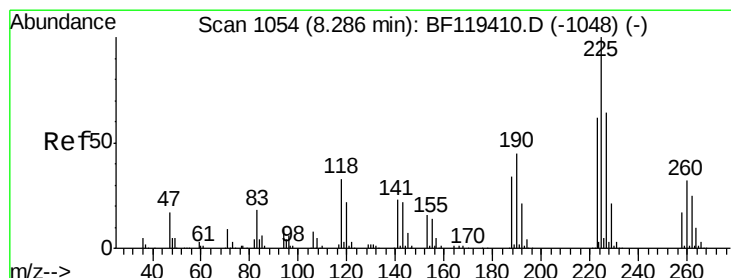
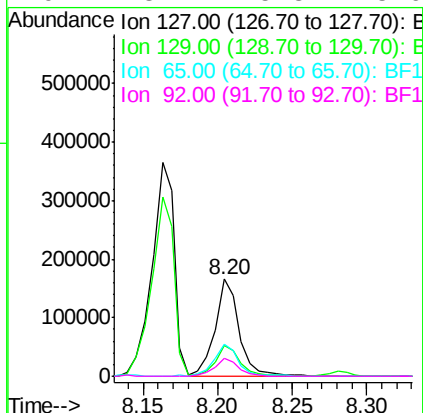
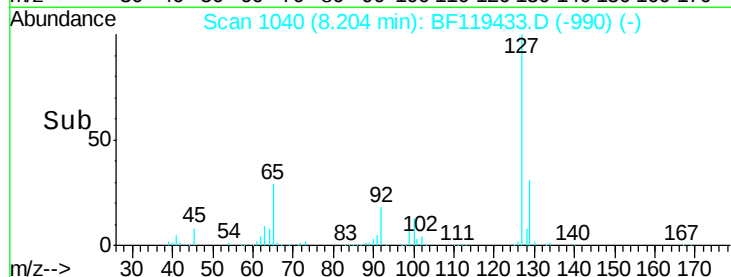
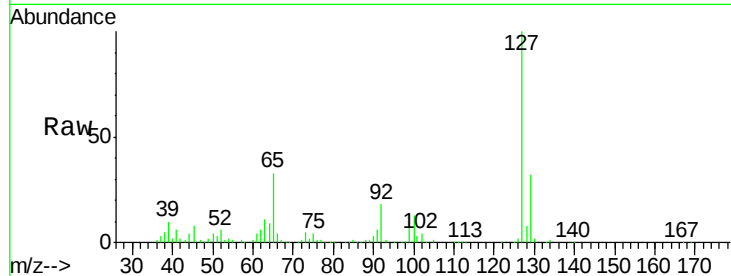




#33
4-Chloroaniline
Concen: 5.97 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

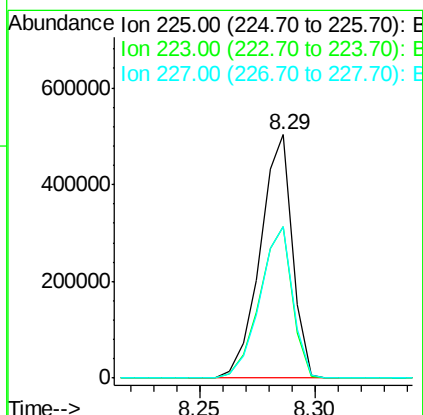
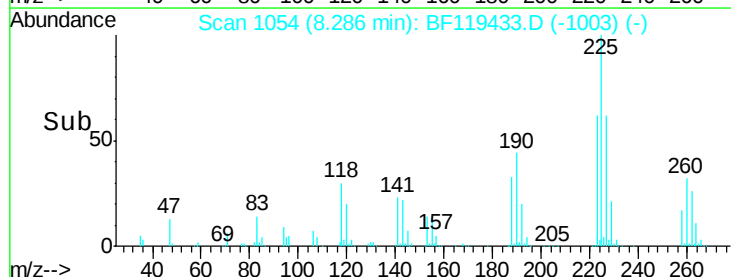
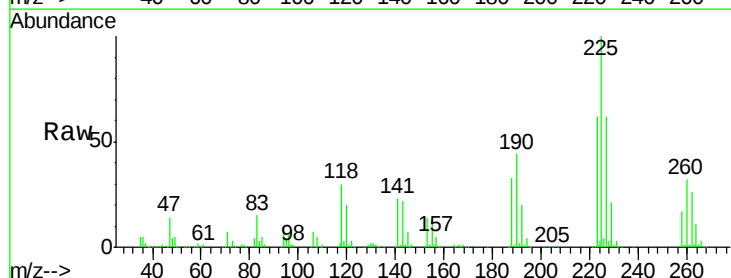
Instrument :
BNA_F
ClientSampleId :
VNJ-219MS

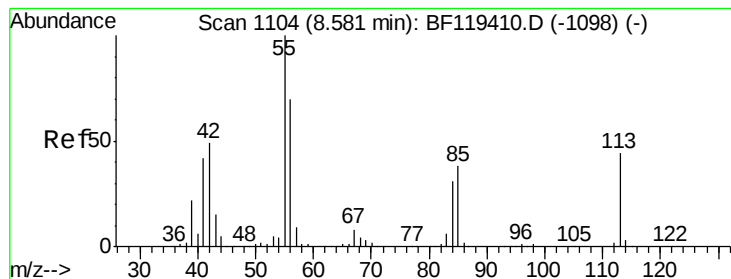
Tgt Ion:	127	Resp:	188648
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.2	39.4
65	32.9	27.7	41.5
92	18.2	15.8	23.6



#34
Hexachlorobutadiene
Concen: 40.04 ng
RT: 8.29 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

Tgt Ion:	225	Resp:	488611
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.2	73.8
227	62.0	51.1	76.7





#35

Caprolactam

Concen: 26.55 ng

RT: 8.58 min Scan# 1104

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

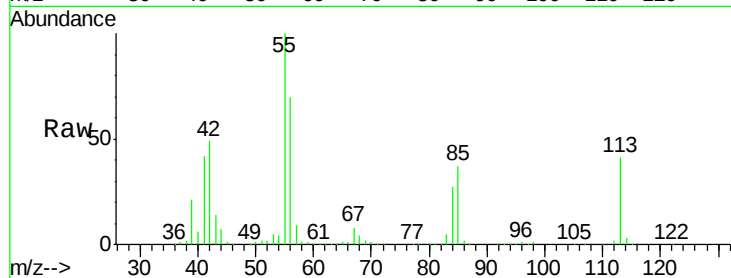
Tgt Ion:113 Resp: 171374

Ion Ratio Lower Upper

113 100

55 245.8 208.4 248.4

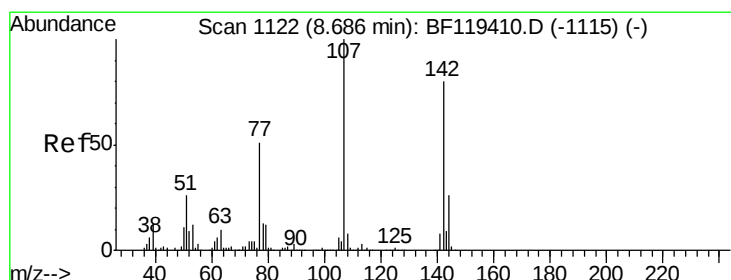
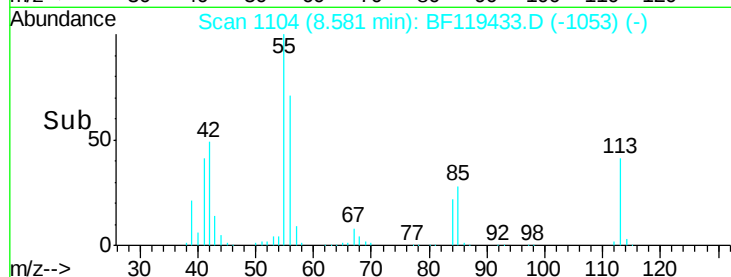
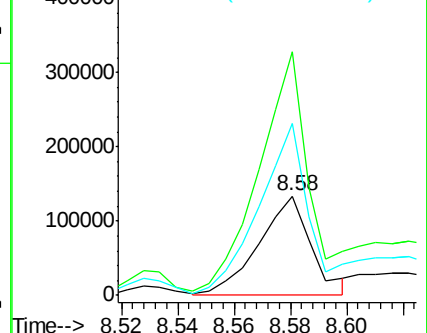
56 173.0 138.9 178.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 39.29 ng

RT: 8.69 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

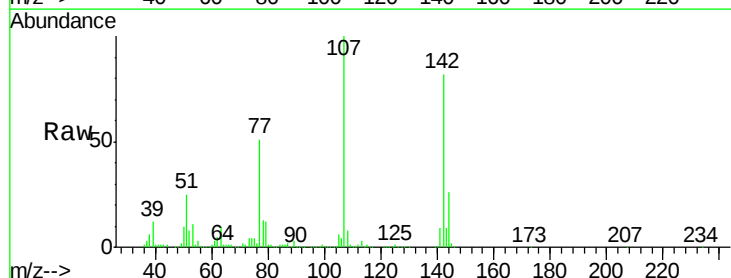
Tgt Ion:107 Resp: 846809

Ion Ratio Lower Upper

107 100

144 26.3 20.6 31.0

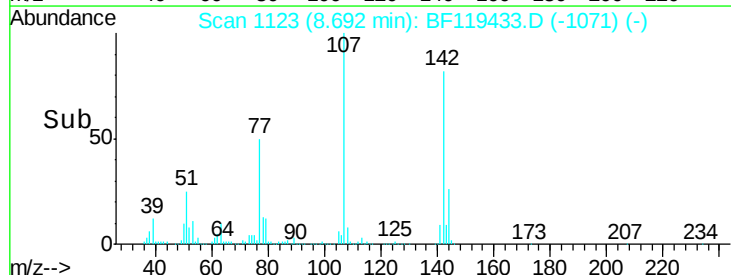
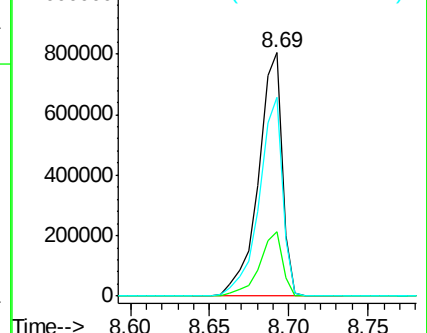
142 81.6 63.8 95.6

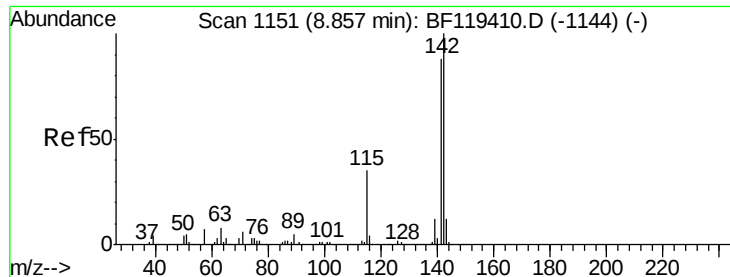


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

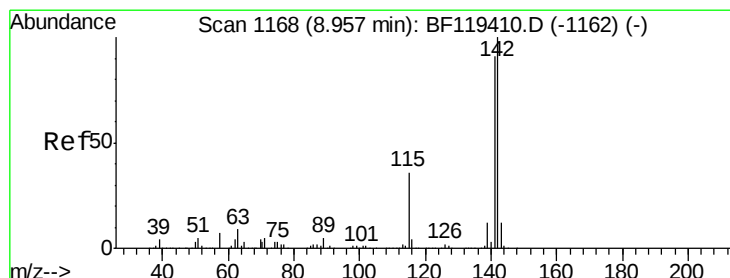
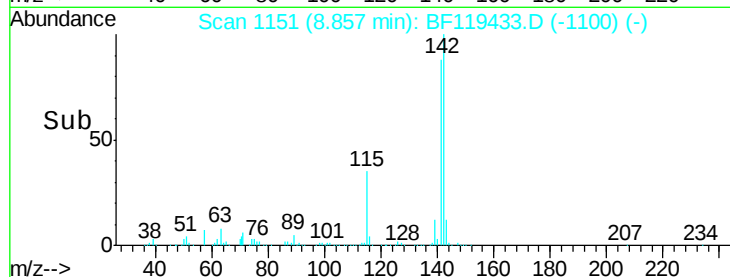
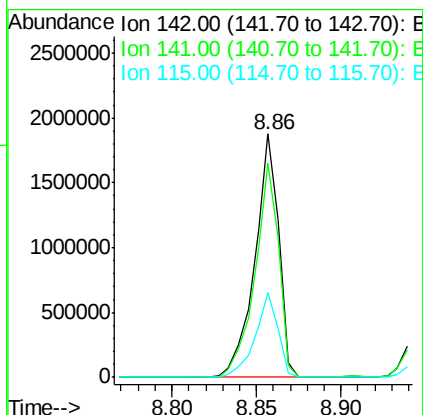
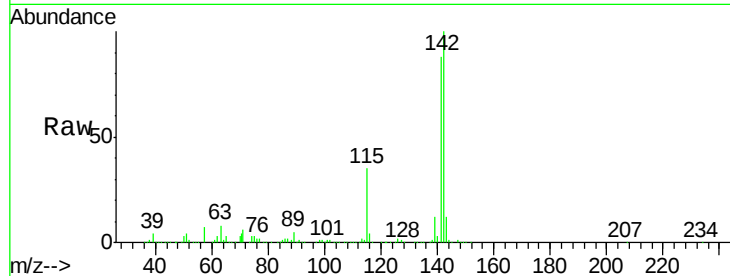




#37
 2-Methylnaphthalene
 Concen: 40.71 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

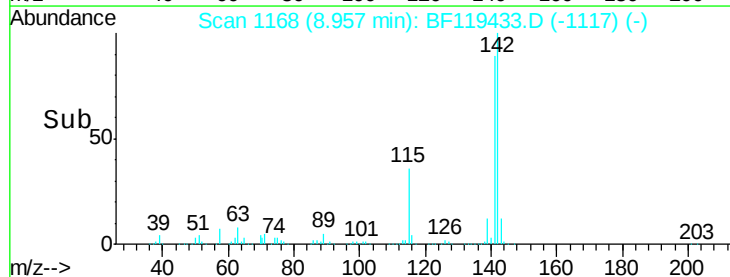
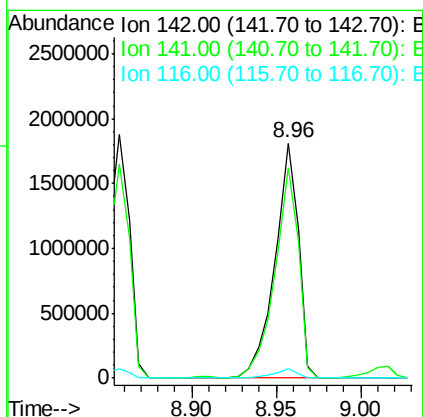
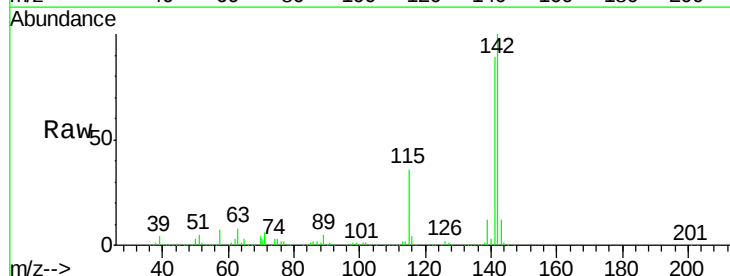
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

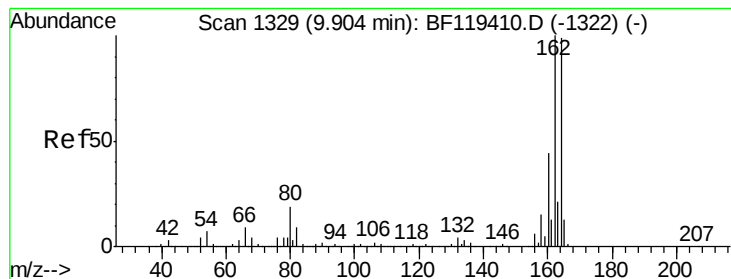
Tgt Ion:142 Resp: 1843119
 Ion Ratio Lower Upper
 142 100
 141 87.9 70.4 105.6
 115 34.8 27.8 41.6



#38
 1-Methylnaphthalene
 Concen: 40.87 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion:142 Resp: 1751360
 Ion Ratio Lower Upper
 142 100
 141 89.3 73.1 109.7
 116 3.8 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

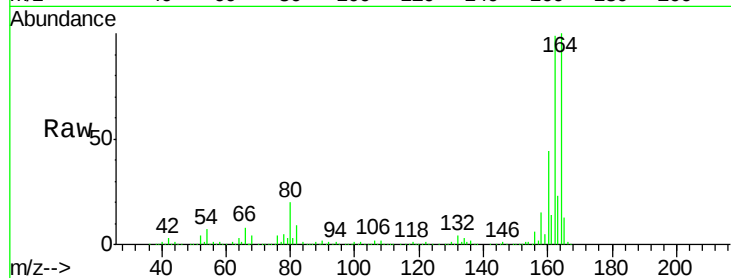
Tgt Ion:164 Resp: 657066

Ion Ratio Lower Upper

164 100

162 99.2 80.7 121.1

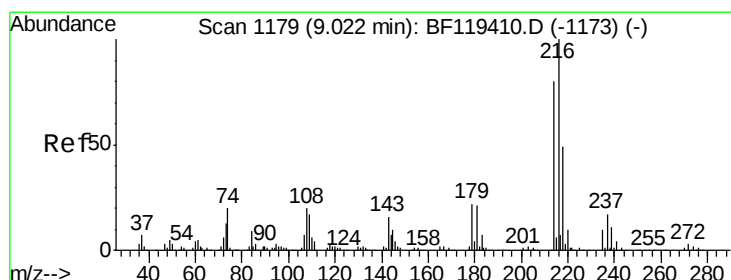
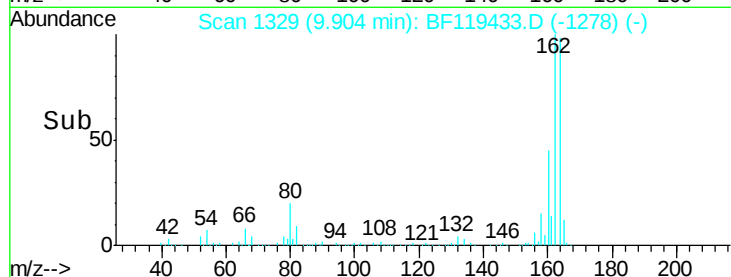
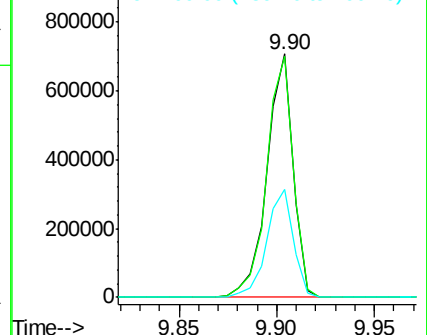
160 44.5 35.5 53.3



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: 40.45 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Tgt Ion:216 Resp: 778989

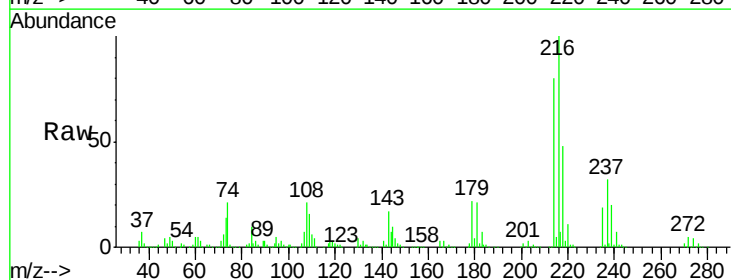
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.6

179 21.1 17.0 25.4

108 20.7 15.4 23.0

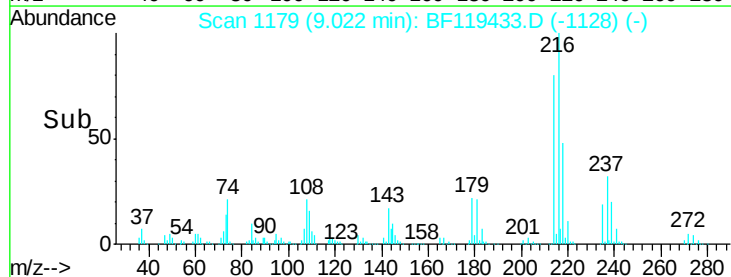
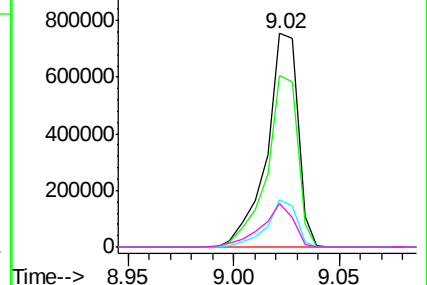


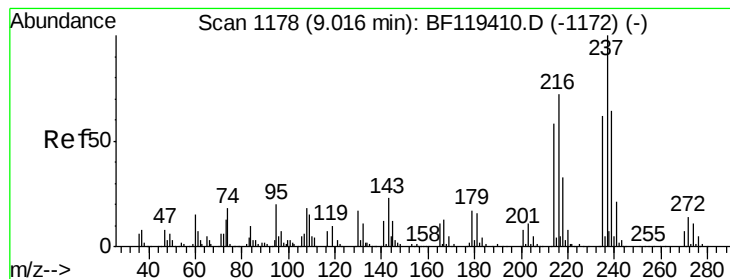
Abundance Ion 216.00 (215.70 to 216.70): E

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: 67.31 ng

RT: 9.02 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

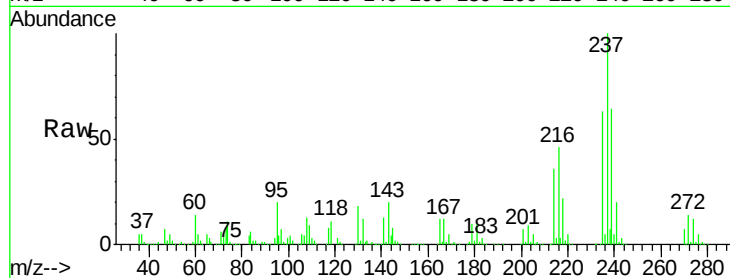
Tgt Ion: 237 Resp: 736927

Ion Ratio Lower Upper

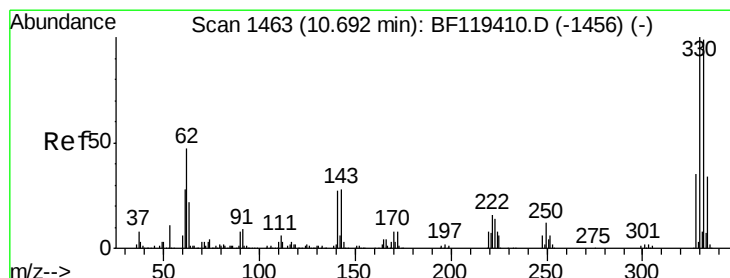
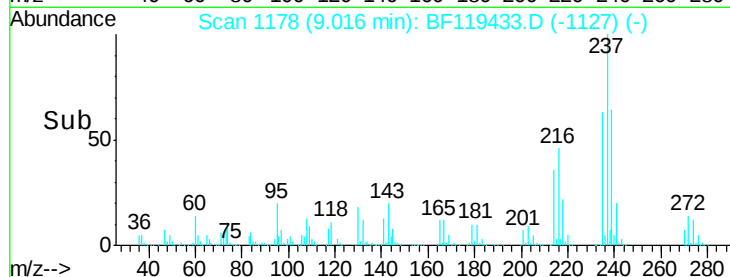
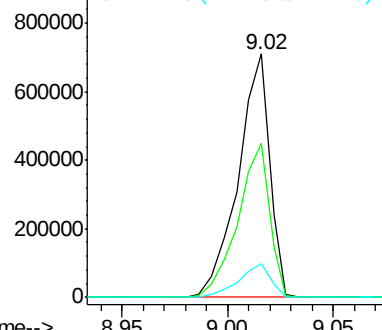
237 100

235 63.2 42.5 82.5

272 13.8 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: 104.60 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

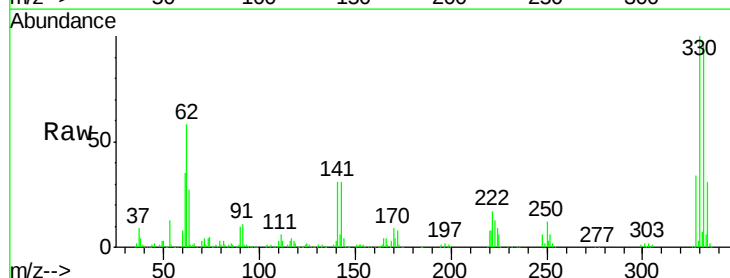
Tgt Ion: 330 Resp: 709061

Ion Ratio Lower Upper

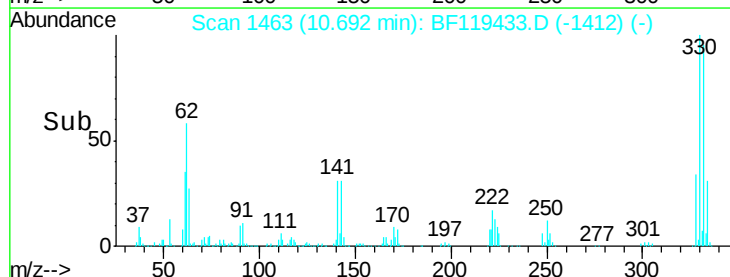
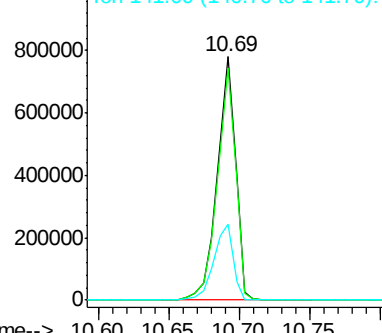
330 100

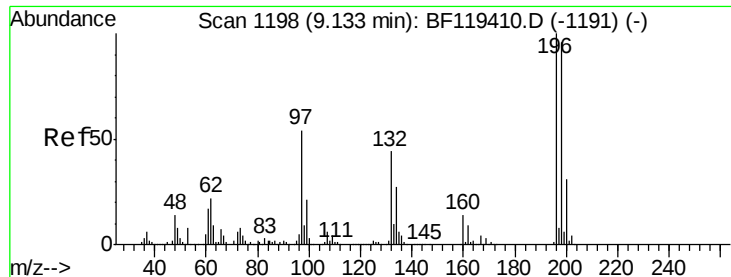
332 95.6 77.6 116.4

141 32.9 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

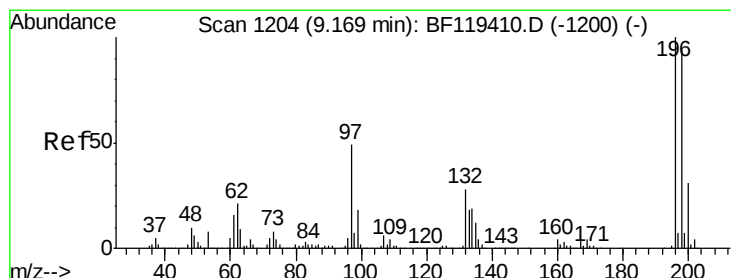
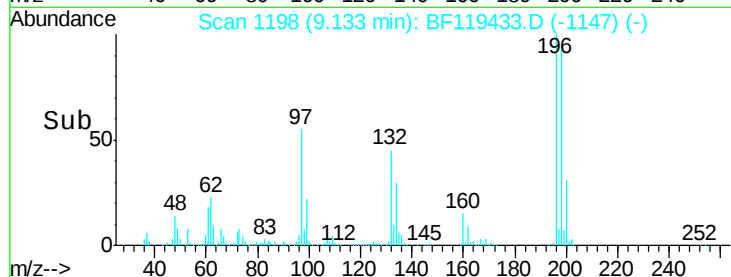
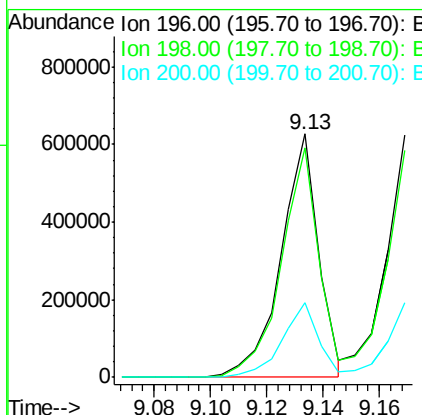
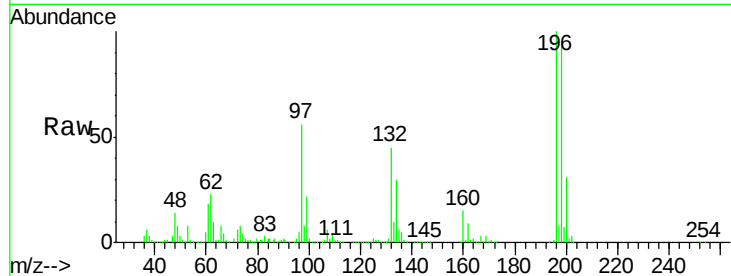




#43
 2,4,6-Trichlorophenol
 Concen: 41.94 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

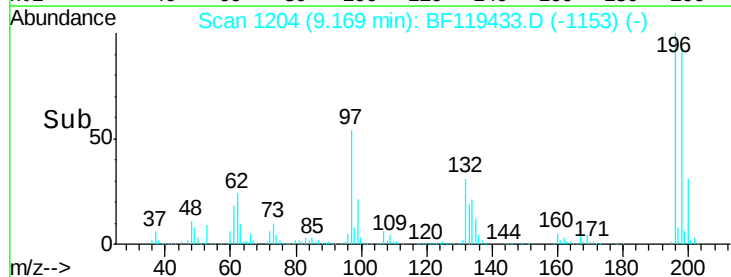
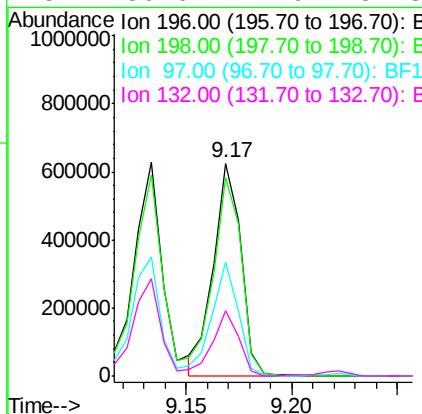
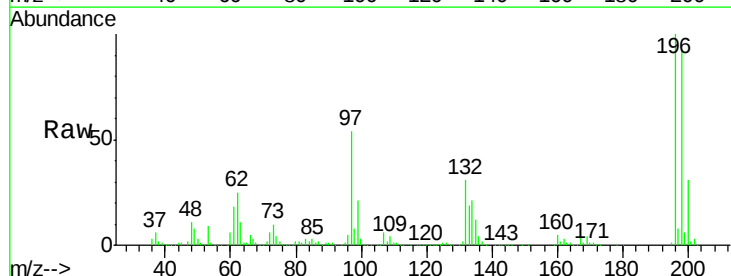
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

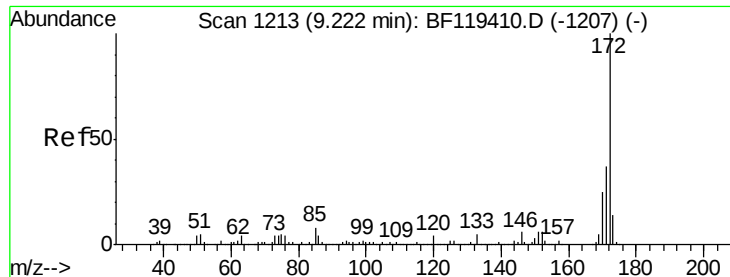
Tgt Ion:196 Resp: 578097
 Ion Ratio Lower Upper
 196 100
 198 94.1 77.0 115.4
 200 30.7 25.1 37.7



#44
 2,4,5-Trichlorophenol
 Concen: 36.64 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion:196 Resp: 565653
 Ion Ratio Lower Upper
 196 100
 198 93.4 75.3 112.9
 97 53.8 39.0 58.4
 132 30.6 22.9 34.3

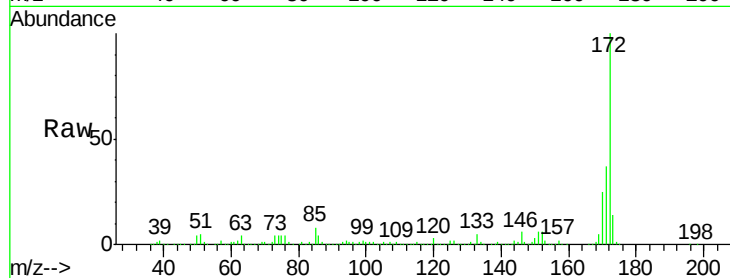




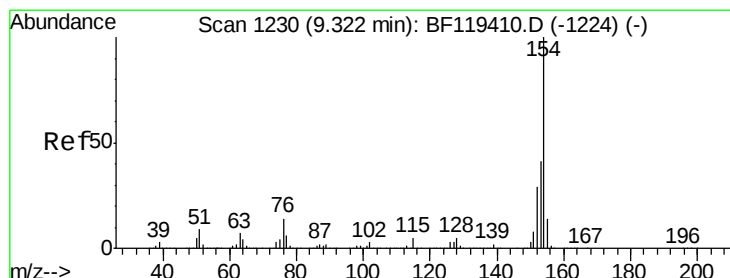
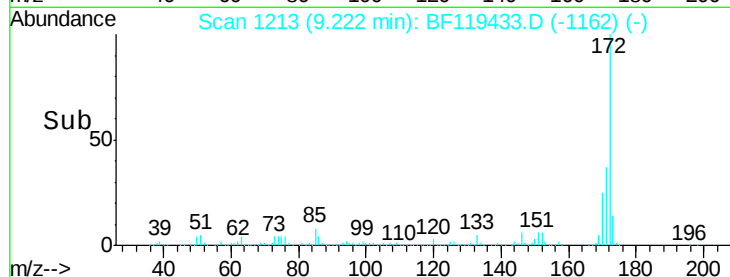
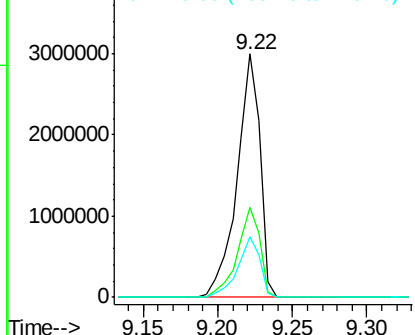
#45
2-Fluorobiphenyl
Concen: 72.43 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

Instrument :
BNA_F
ClientSampleId :
VNJ-219MS

Tgt Ion:172 Resp: 3212540
Ion Ratio Lower Upper
172 100
171 37.2 29.9 44.9
170 24.8 20.1 30.1

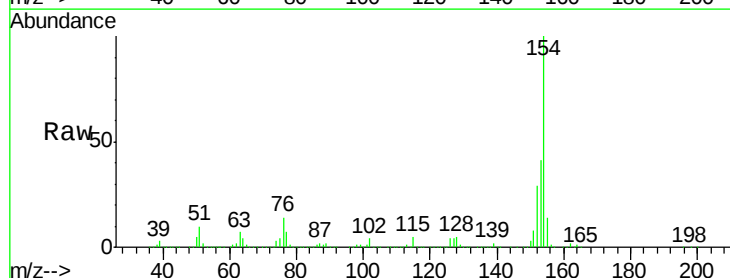


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

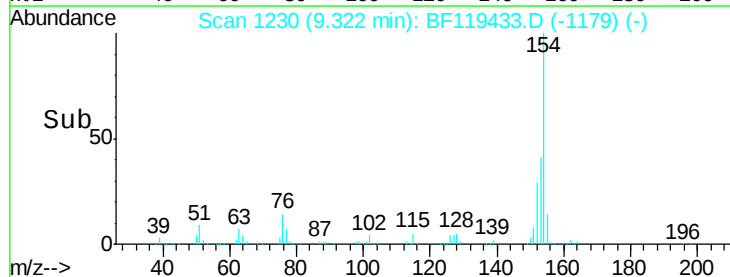
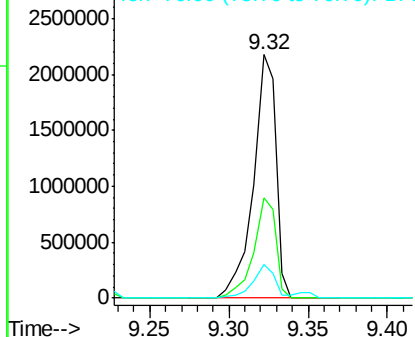


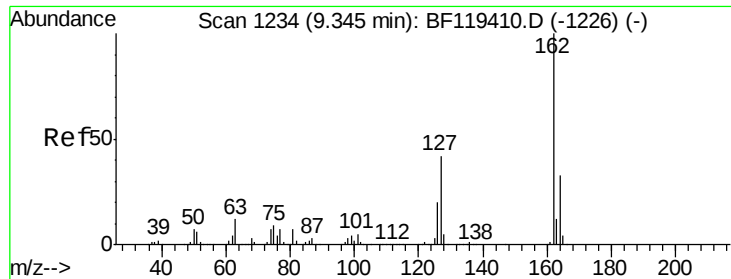
#46
1,1'-Biphenyl
Concen: 40.27 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

Tgt Ion:154 Resp: 2155023
Ion Ratio Lower Upper
154 100
153 41.4 21.4 61.4
76 14.0 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

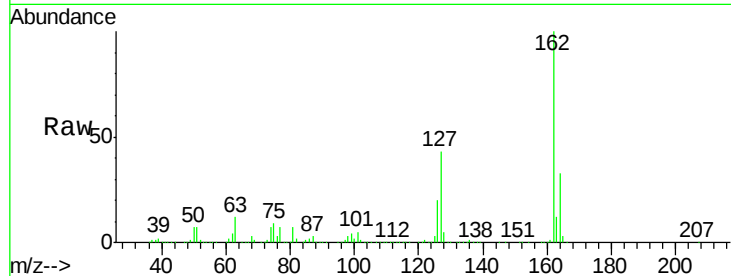




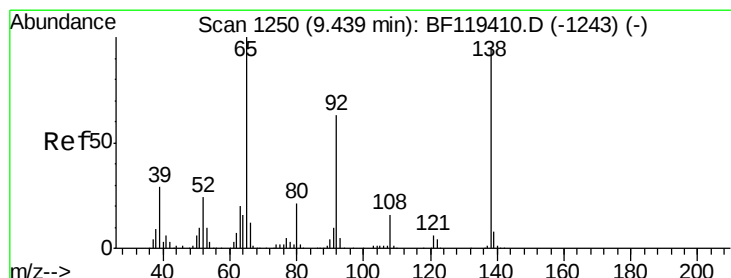
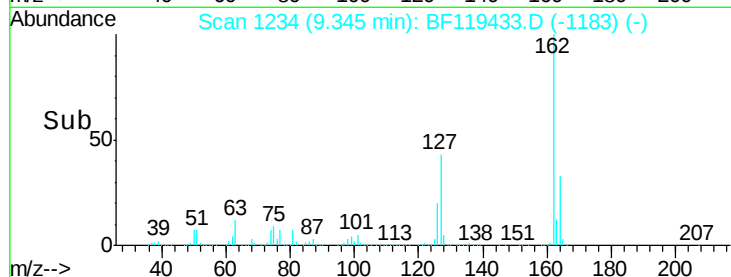
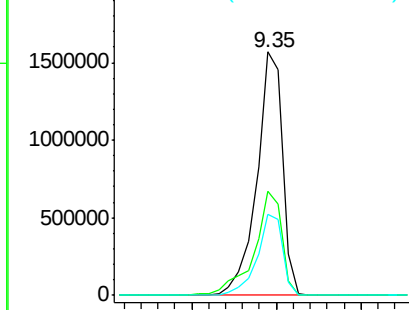
#47
 2-Chloronaphthalene
 Concen: 39.58 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

Tgt Ion: 162 Resp: 1659254
 Ion Ratio Lower Upper
 162 100
 127 42.8 33.7 50.5
 164 33.4 26.2 39.4

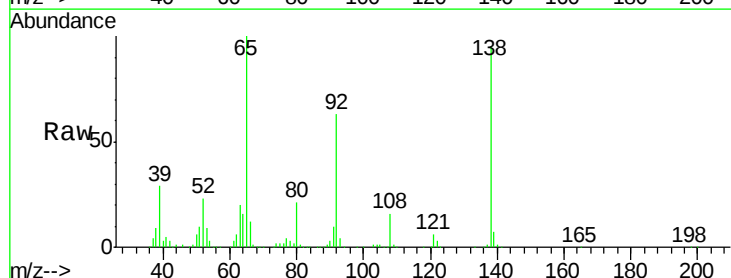


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

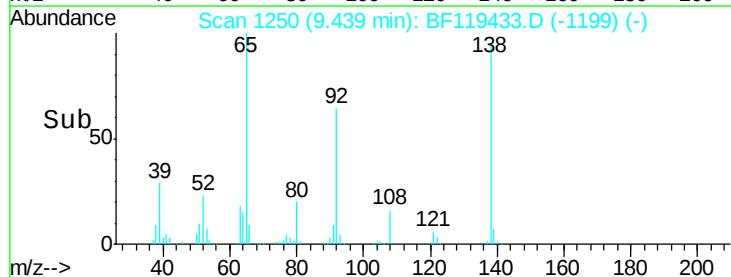
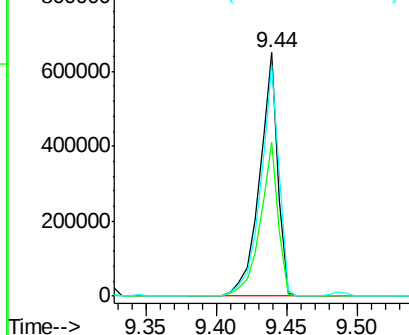


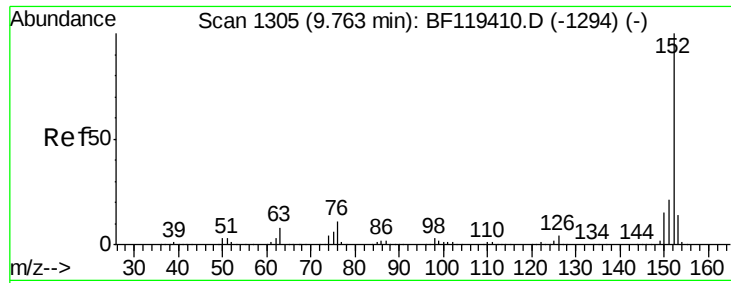
#48
 2-Nitroaniline
 Concen: 40.87 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion: 65 Resp: 591321
 Ion Ratio Lower Upper
 65 100
 92 63.4 50.5 75.7
 138 94.7 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: 39.91 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

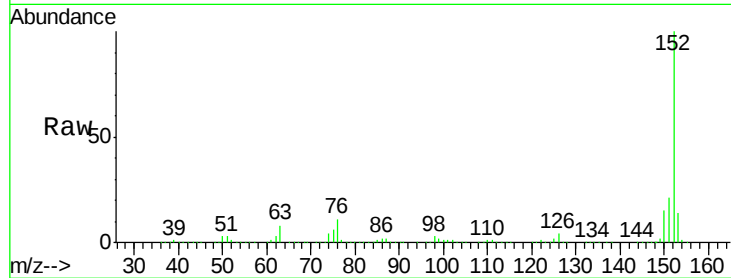
Tgt Ion:152 Resp: 2627068

Ion Ratio Lower Upper

152 100

151 21.5 16.8 25.2

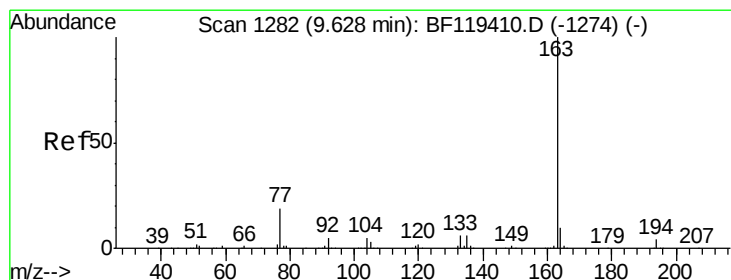
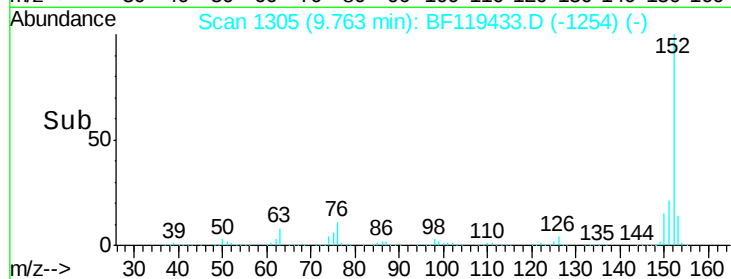
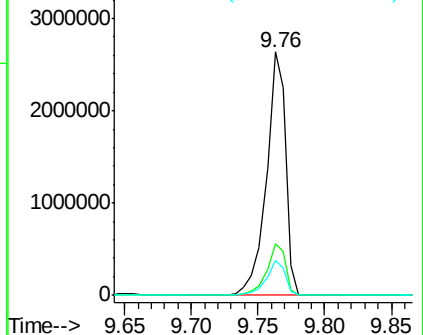
153 14.4 11.2 16.8



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: 51.60 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

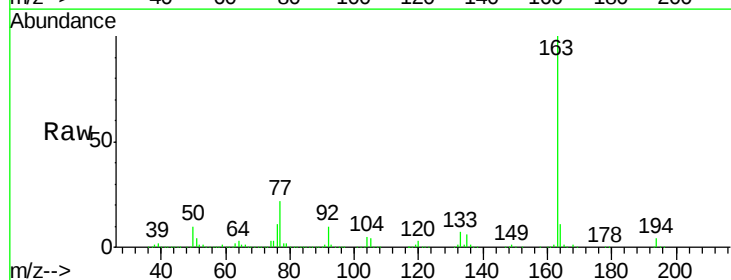
Tgt Ion:163 Resp: 2408223

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

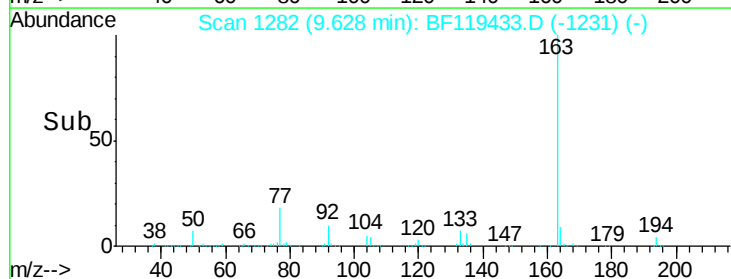
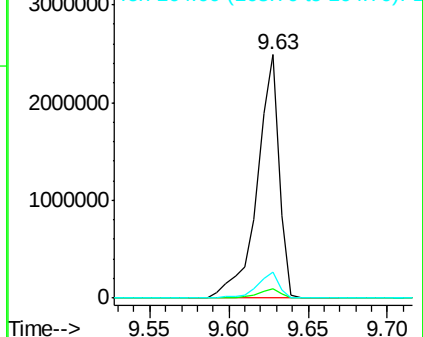
164 10.7 8.1 12.1

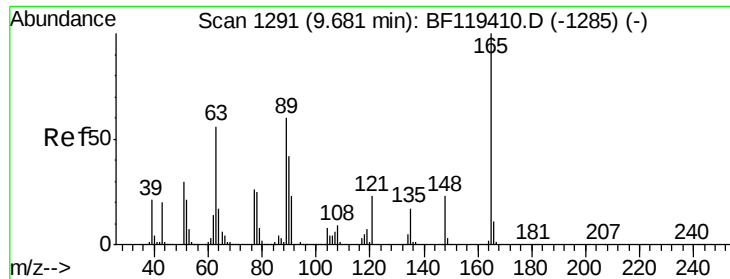


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

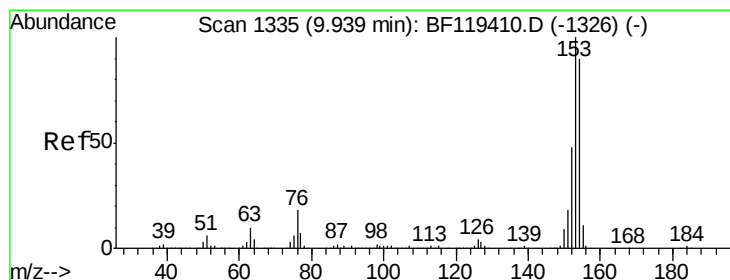
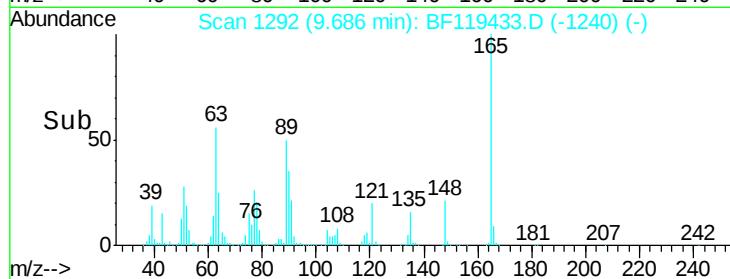
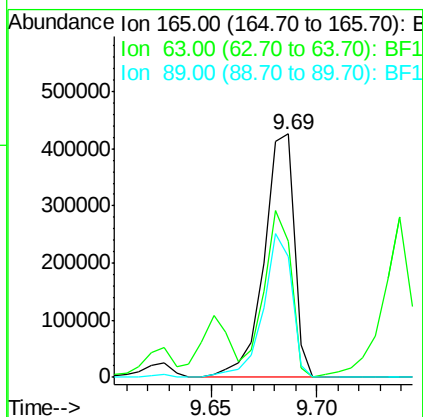
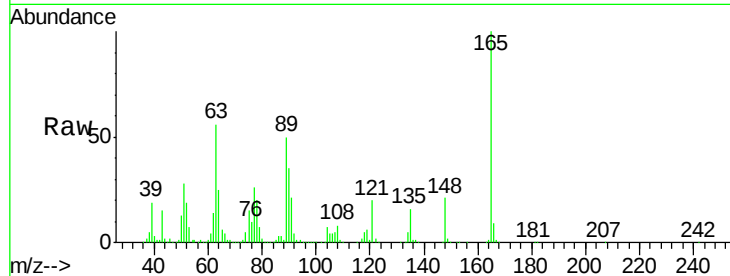




#51
2,6-Dinitrotoluene
Concen: 42.52 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

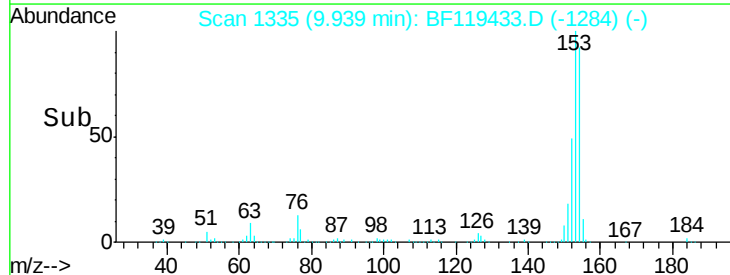
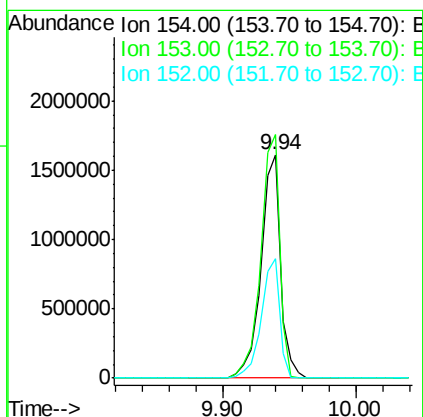
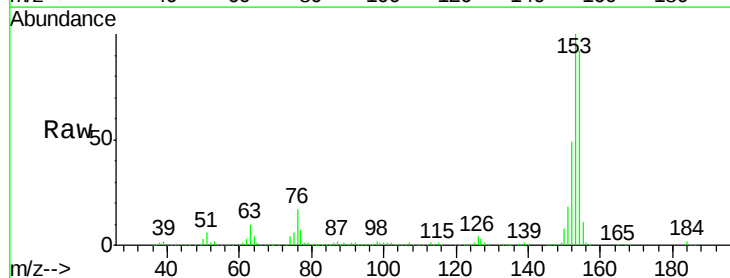
Instrument :
BNA_F
ClientSampleId :
VNJ-219MS

Tgt Ion:165 Resp: 425395
Ion Ratio Lower Upper
165 100
63 55.8 57.3 85.9#
89 49.5 47.8 71.8



#52
Acenaphthene
Concen: 39.48 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

Tgt Ion:154 Resp: 1620217
Ion Ratio Lower Upper
154 100
153 109.1 89.0 133.6
152 53.5 43.1 64.7

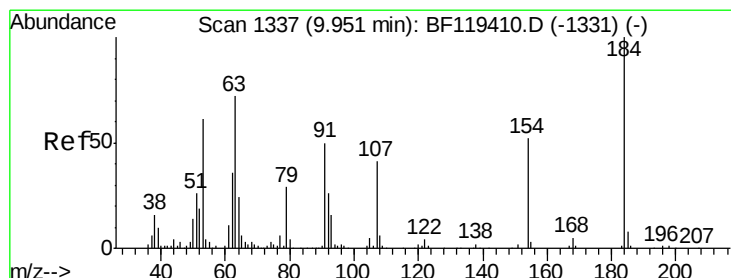
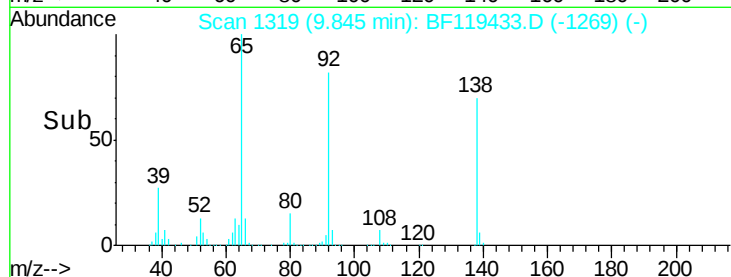
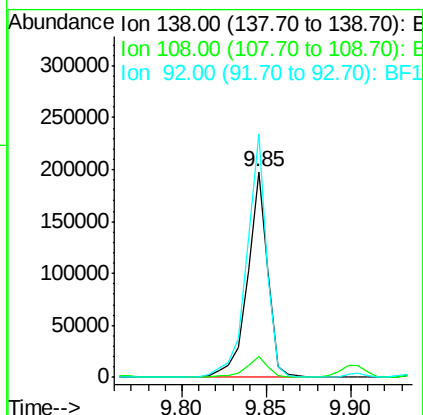
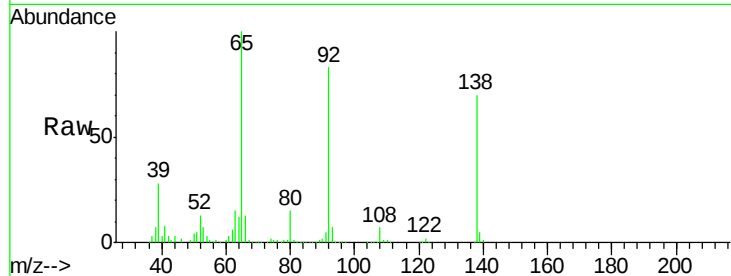




#53
3-Nitroaniline
Concen: 13.07 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

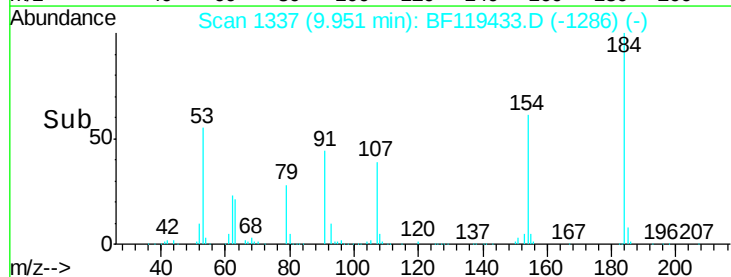
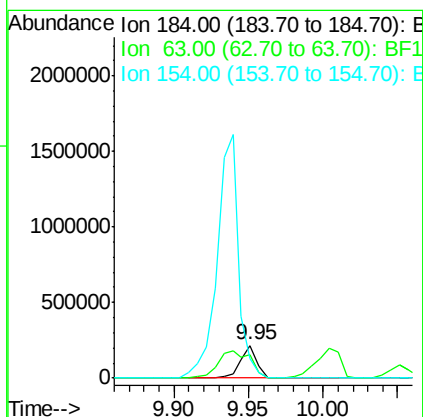
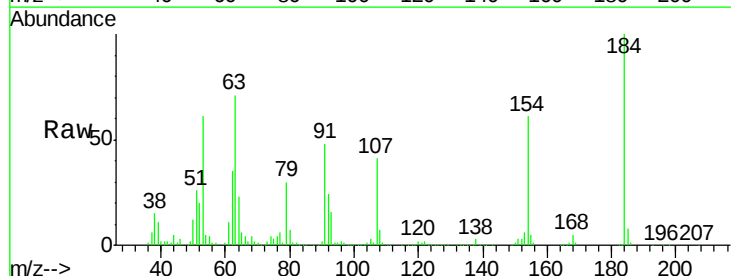
Instrument :
BNA_F
ClientSampleId :
VNJ-219MS

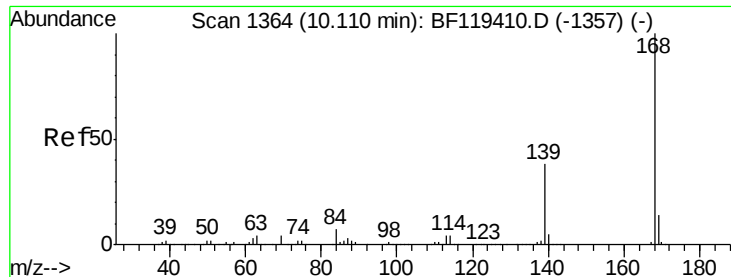
Tgt Ion:138 Resp: 165032
Ion Ratio Lower Upper
138 100
108 10.2 9.0 13.6
92 118.6 93.2 139.8



#54
2,4-Dinitrophenol
Concen: 42.20 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

Tgt Ion:184 Resp: 166327
Ion Ratio Lower Upper
184 100
63 71.2 58.5 87.7
154 60.9 51.8 77.6





#55

Dibenzenofuran

Concen: 39.42 ng

RT: 10.11 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

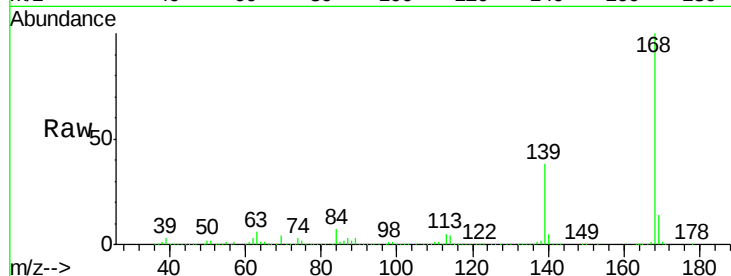
Tgt Ion:168 Resp: 2319595

Ion Ratio Lower Upper

168 100

139 38.1 30.2 45.4

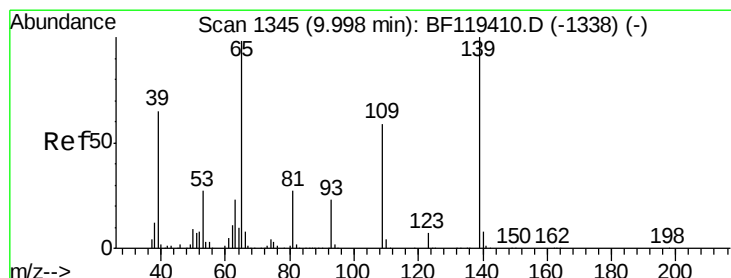
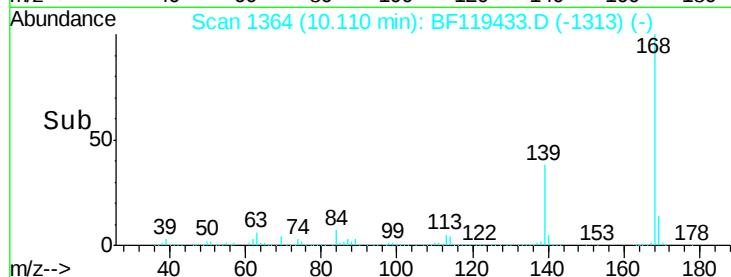
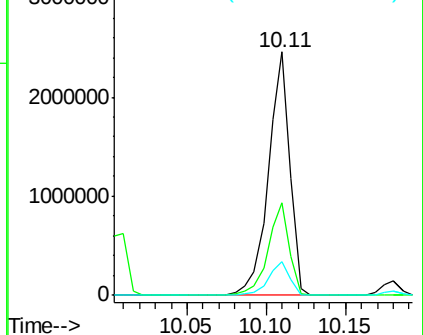
169 14.1 11.1 16.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 72.66 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

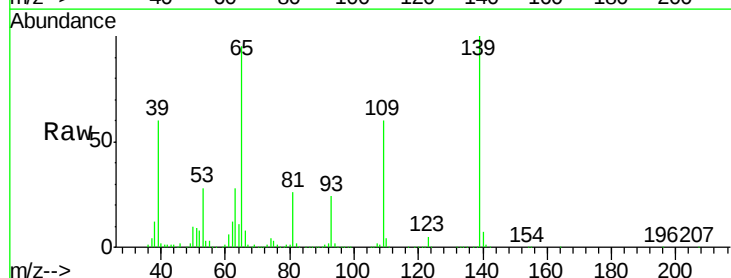
Tgt Ion:139 Resp: 723966

Ion Ratio Lower Upper

139 100

109 59.6 39.6 79.6

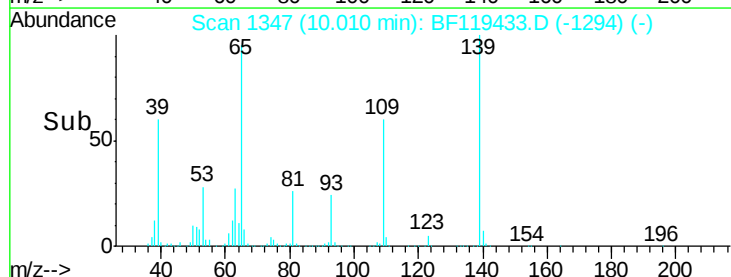
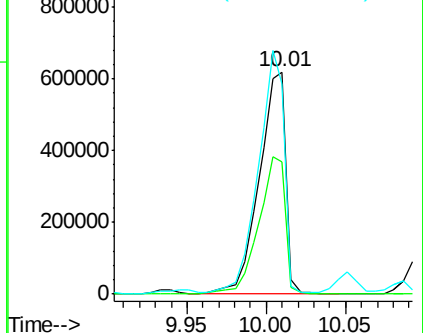
65 94.7 78.3 118.3

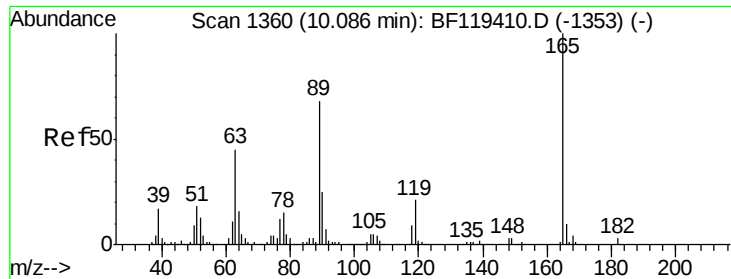


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 43.67 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampled :

VNJ-219MS

Tgt Ion:165 Resp: 550338

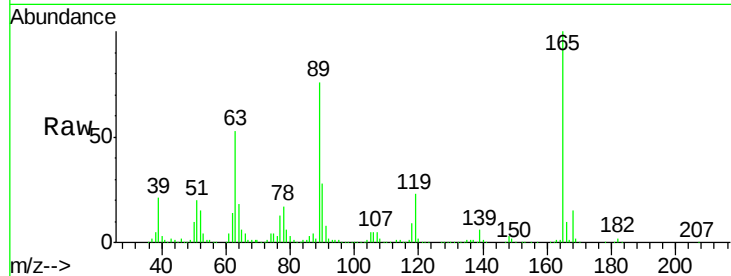
Ion Ratio Lower Upper

165 100

63 53.1 36.2 54.4

89 76.1 54.3 81.5

182 2.4 2.0 3.0

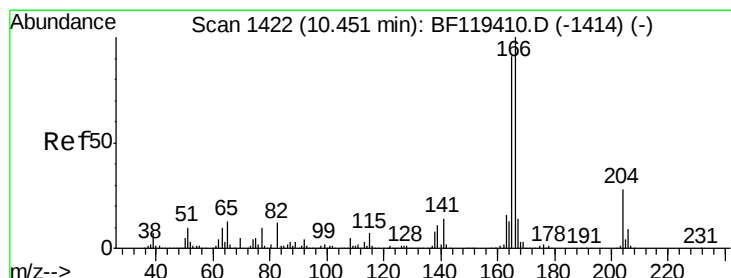
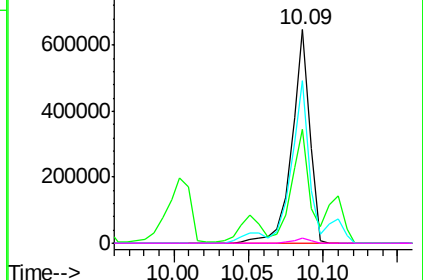
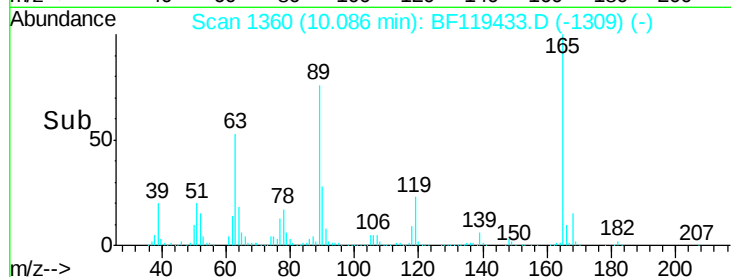


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 38.90 ng

RT: 10.45 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

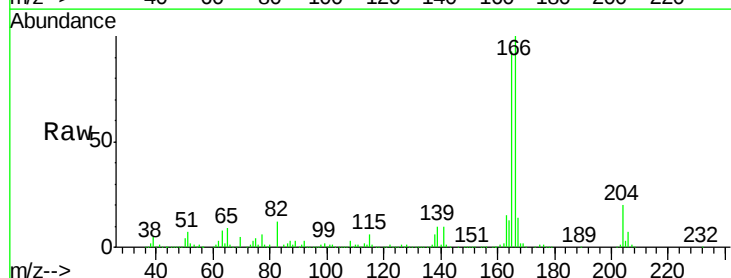
Tgt Ion:166 Resp: 1692741

Ion Ratio Lower Upper

166 100

165 93.0 73.1 109.7

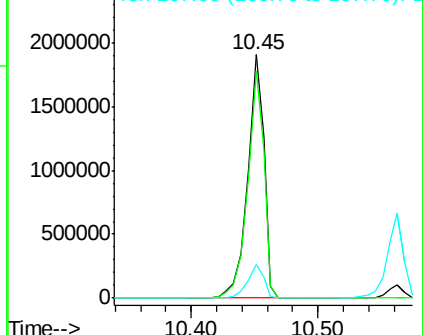
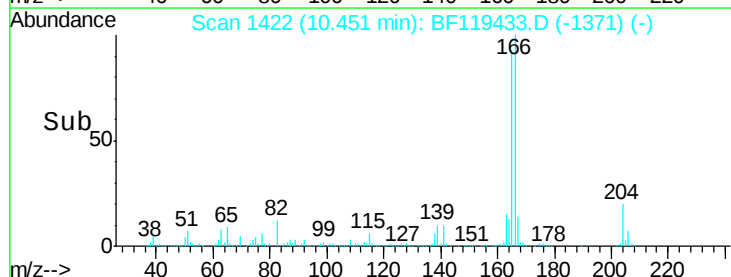
167 14.0 11.0 16.6

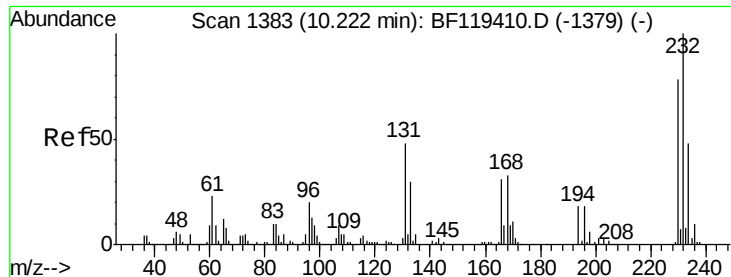


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

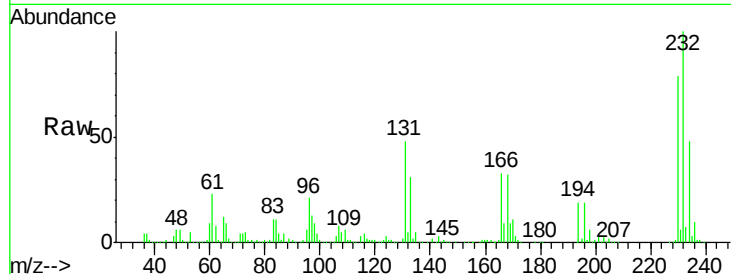




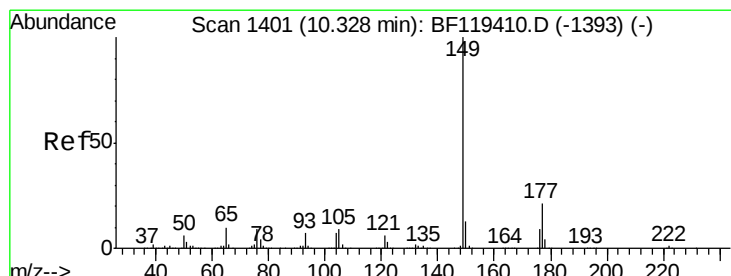
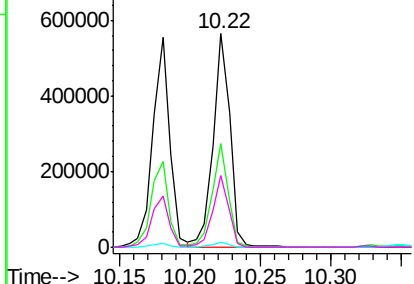
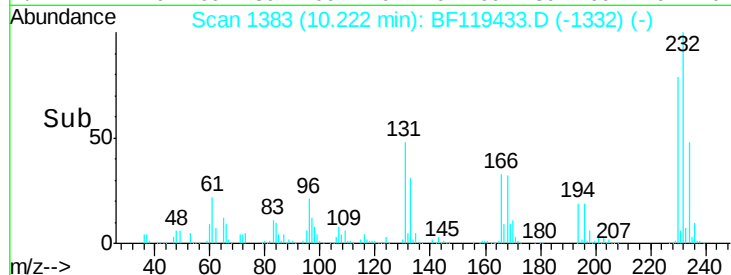
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.56 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

Tgt Ion: 232 Resp: 468048
 Ion Ratio Lower Upper
 232 100
 131 45.6 36.3 54.5
 130 2.2 1.8 2.6
 166 32.0 24.9 37.3

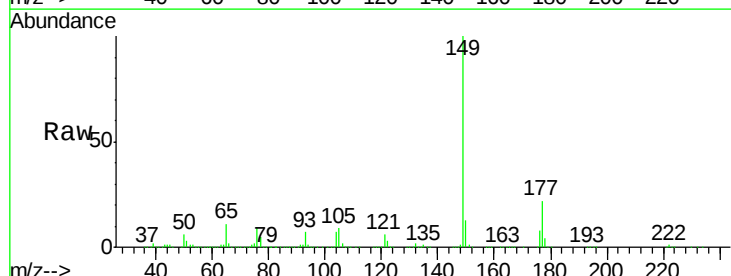


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

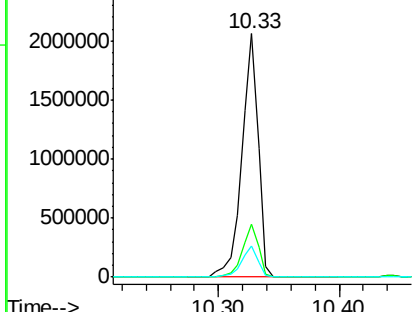
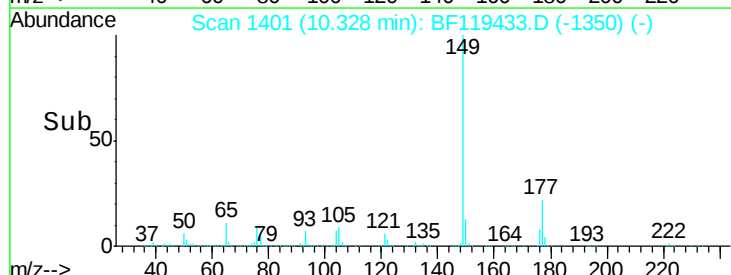


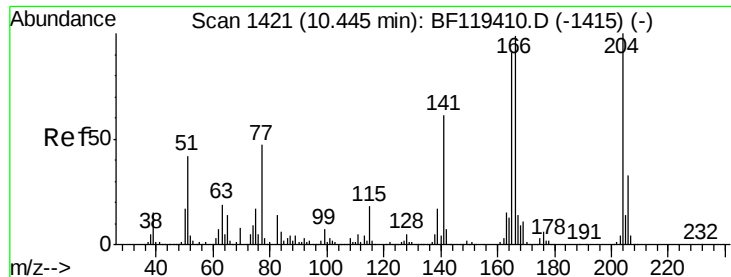
#60
 Diethylphthalate
 Concen: 40.86 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion: 149 Resp: 1935681
 Ion Ratio Lower Upper
 149 100
 177 21.7 17.0 25.6
 150 12.6 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

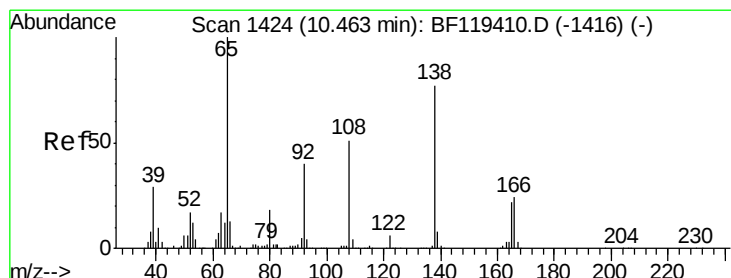
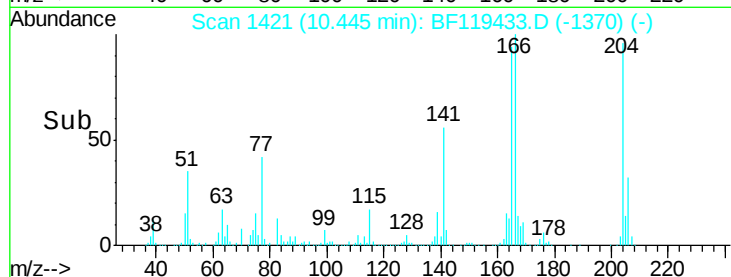
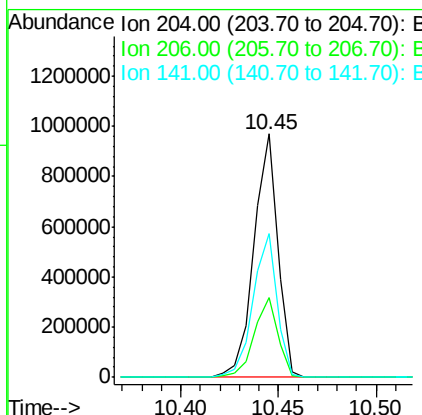
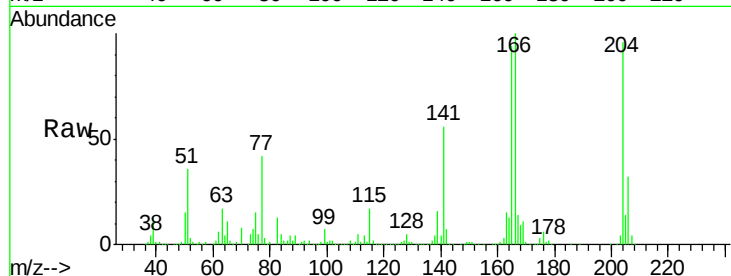




#61
 4-Chlorophenyl-phenylether
 Concen: 38.76 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

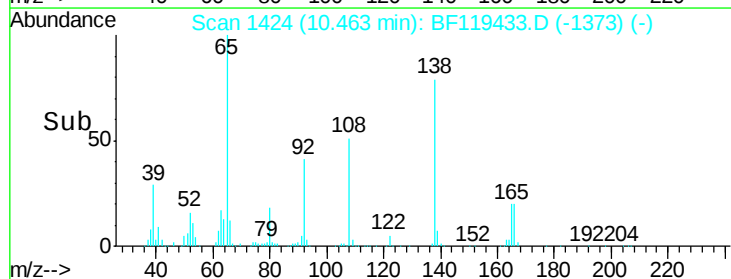
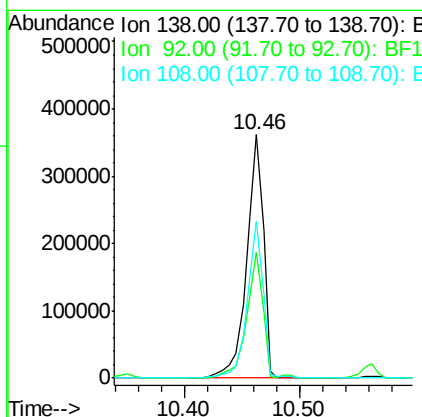
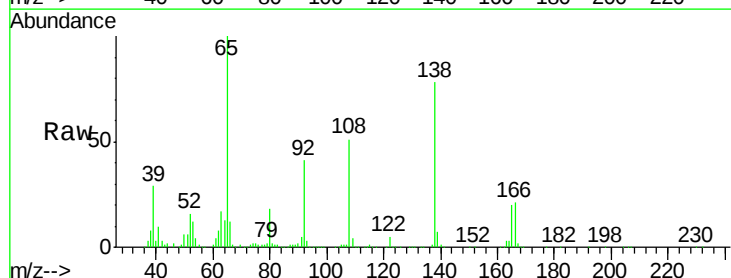
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

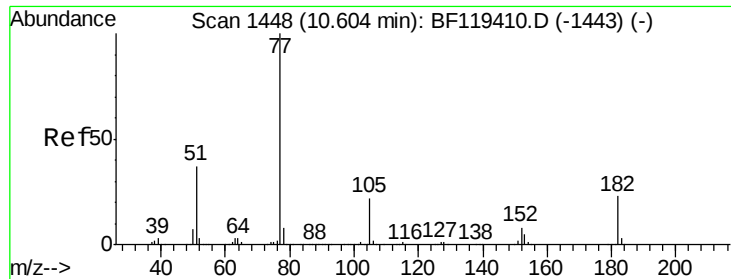
Tgt Ion: 204 Resp: 824696
 Ion Ratio Lower Upper
 204 100
 206 32.9 26.7 40.1
 141 58.9 48.8 73.2



#62
 4-Nitroaniline
 Concen: 29.84 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion: 138 Resp: 361424
 Ion Ratio Lower Upper
 138 100
 92 51.7 32.0 72.0
 108 64.6 46.0 86.0





#63

Azobenzene

Concen: 39.12 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

Tgt Ion: 77 Resp: 1866249

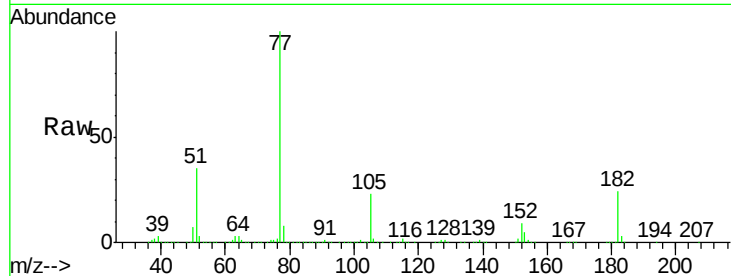
Ion Ratio Lower Upper

77 100

182 24.3 2.5 42.5

105 23.1 2.5 42.5

51 35.4 17.1 57.1

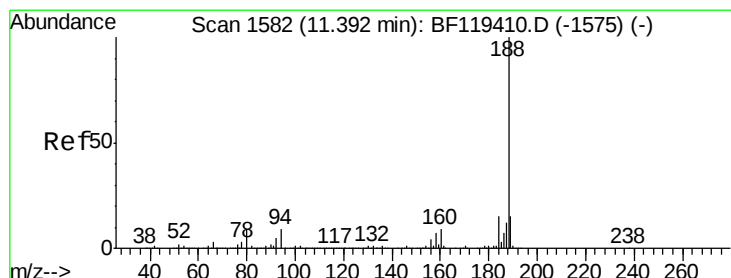
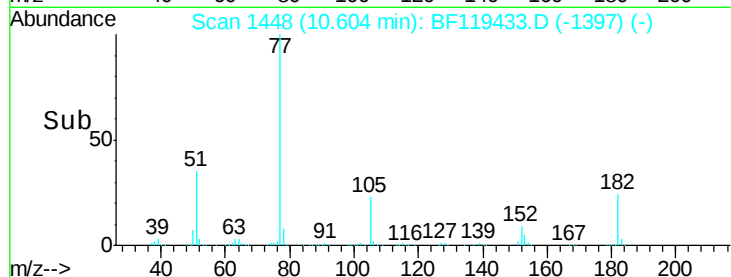
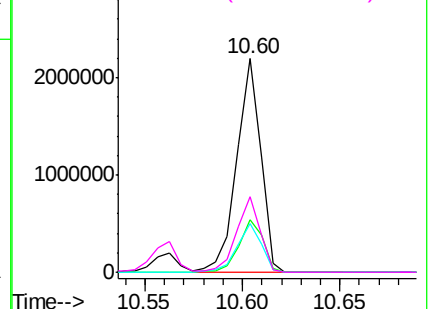


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF119433.D

Acq: 18 Mar 2020 23:51

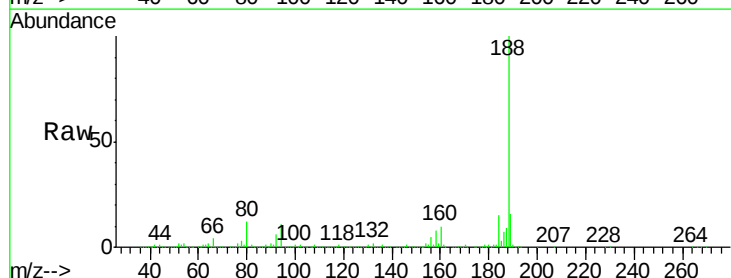
Tgt Ion: 188 Resp: 1150391

Ion Ratio Lower Upper

188 100

94 10.5 7.1 10.7

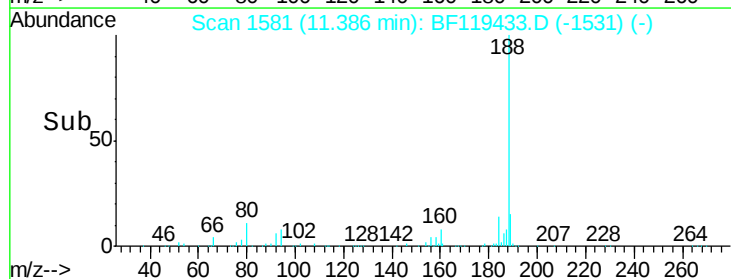
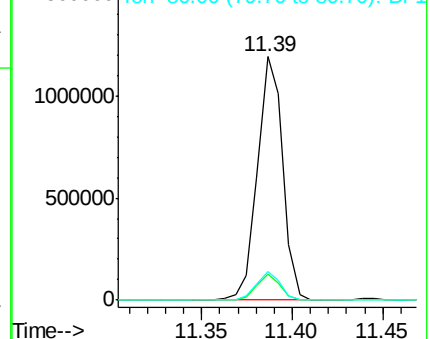
80 11.9 7.5 11.3#



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

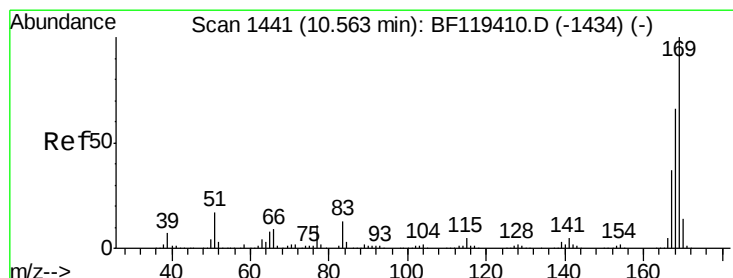
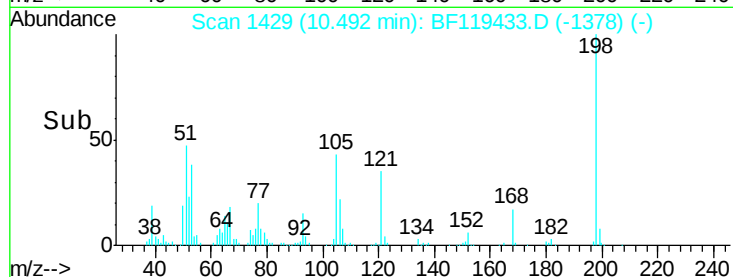
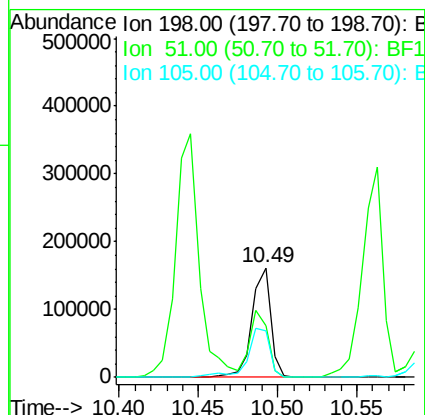
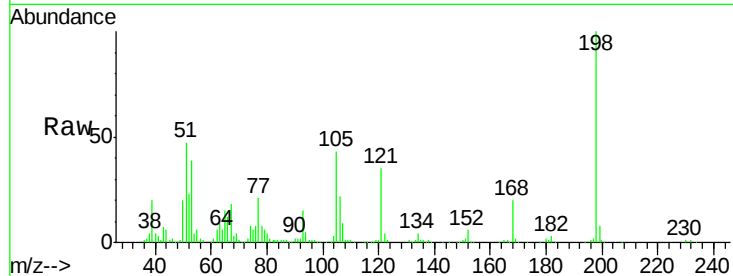




#65
 4,6-Dinitro-2-methylphenol
 Concen: 27.56 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

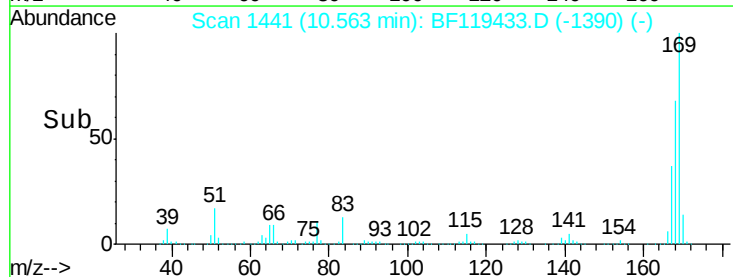
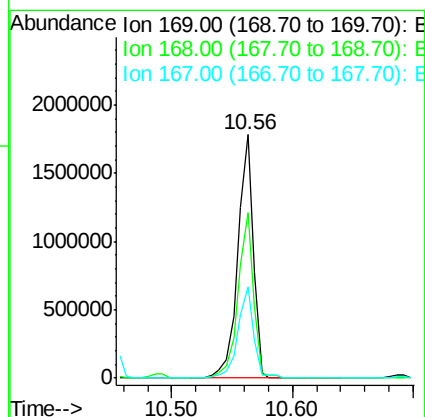
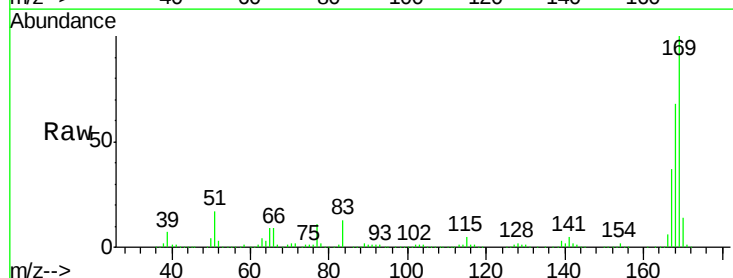
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

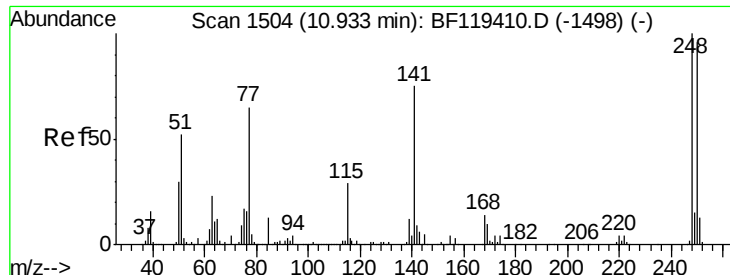
Tgt Ion:198 Resp: 132961
 Ion Ratio Lower Upper
 198 100
 51 47.4 33.1 73.1
 105 42.8 24.1 64.1



#66
 n-Nitrosodiphenylamine
 Concen: 42.37 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion:169 Resp: 1600242
 Ion Ratio Lower Upper
 169 100
 168 68.2 52.7 79.1
 167 37.4 29.3 43.9

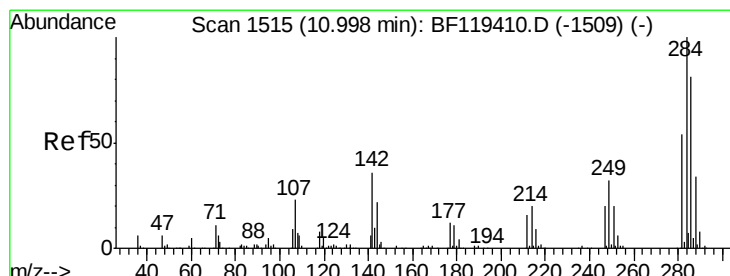
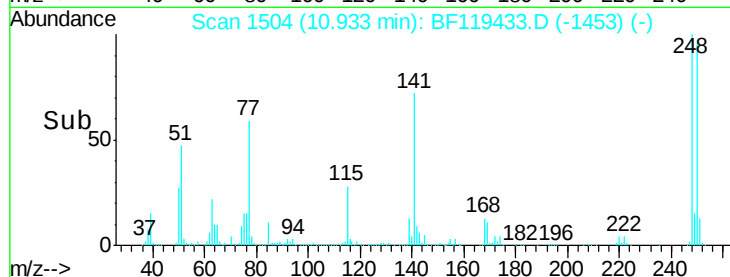
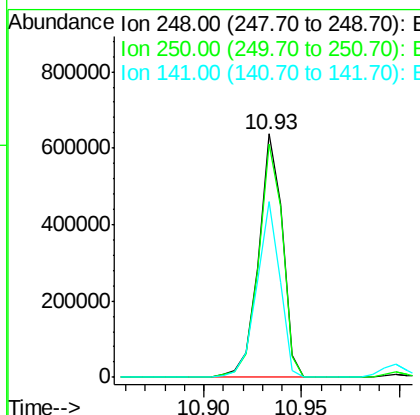
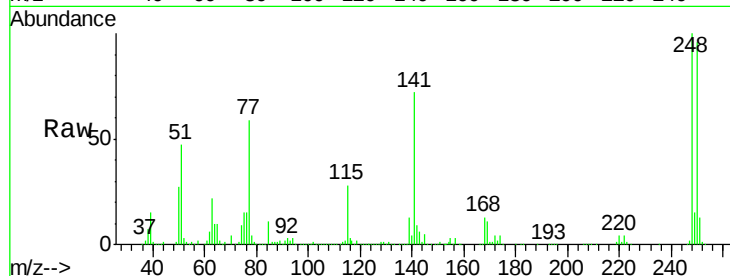




#67
4-Bromophenyl-phenylether
Concen: 41.17 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

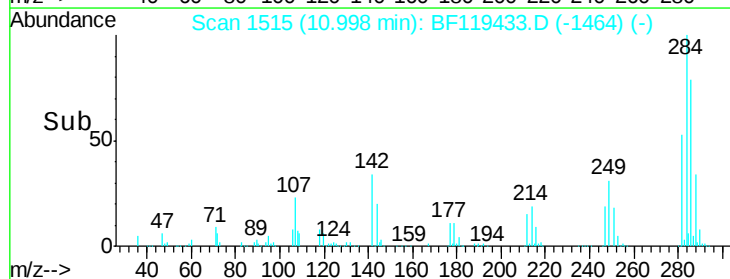
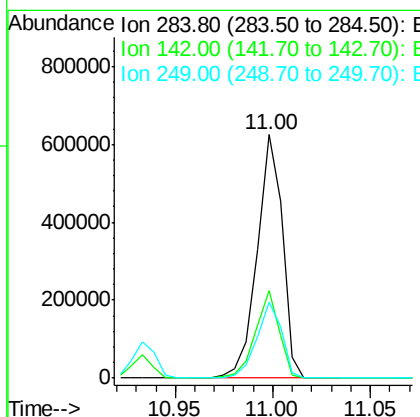
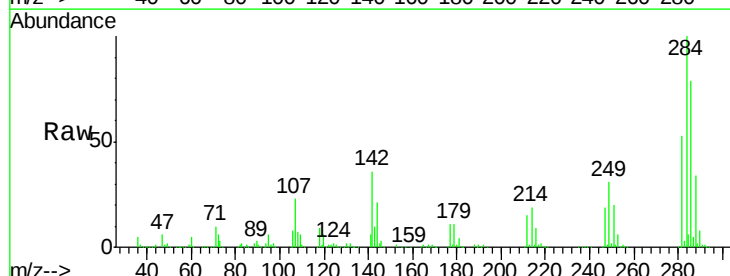
Instrument :
BNA_F
ClientSampleId :
VNJ-219MS

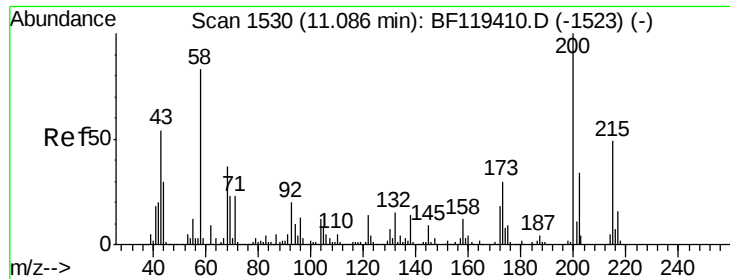
Tgt Ion:248 Resp: 539372
Ion Ratio Lower Upper
248 100
250 95.6 77.0 115.6
141 72.4 59.7 89.5



#68
Hexachlorobenzene
Concen: 41.89 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

Tgt Ion:284 Resp: 561747
Ion Ratio Lower Upper
284 100
142 35.7 28.7 43.1
249 31.4 25.4 38.0





#69

Atrazine

Concen: 43.91 ng

RT: 11.09 min Scan# 1531

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

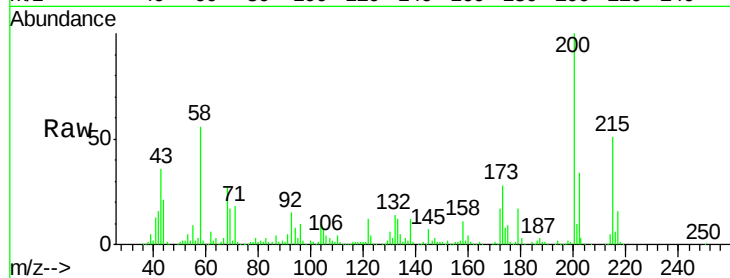
Tgt Ion:200 Resp: 454571

Ion Ratio Lower Upper

200 100

173 28.2 9.9 49.9

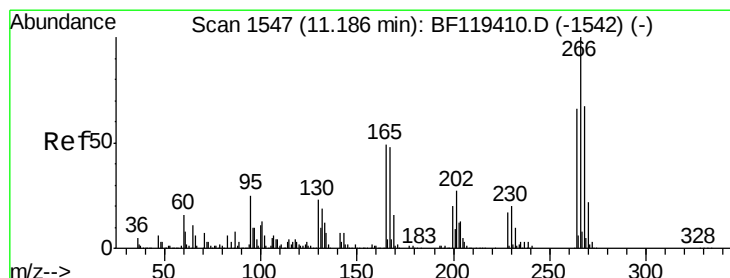
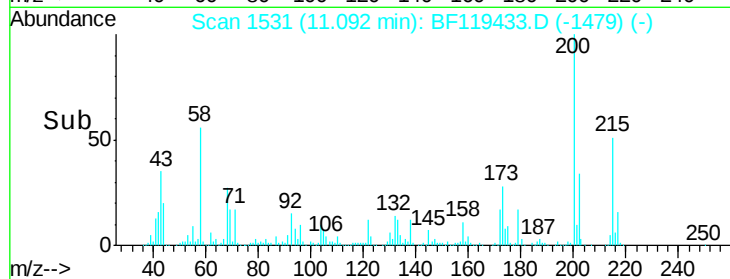
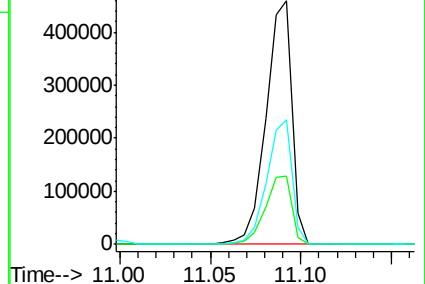
215 51.2 29.4 69.4



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: 72.80 ng

RT: 11.19 min Scan# 1548

Delta R.T. 0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

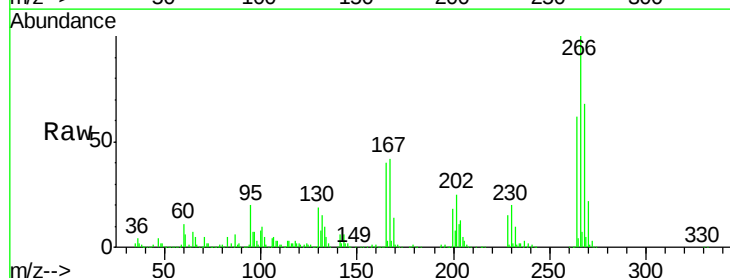
Tgt Ion:266 Resp: 572410

Ion Ratio Lower Upper

266 100

268 67.6 53.7 80.5

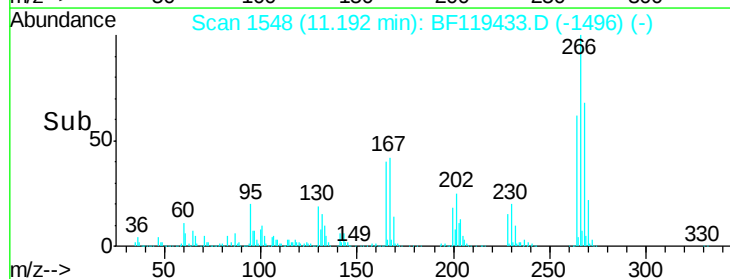
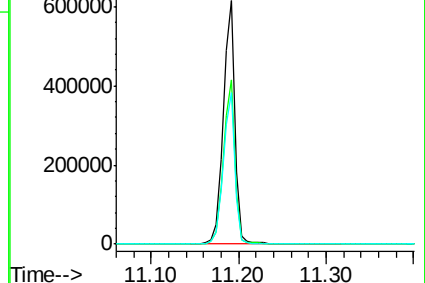
264 62.0 52.5 78.7

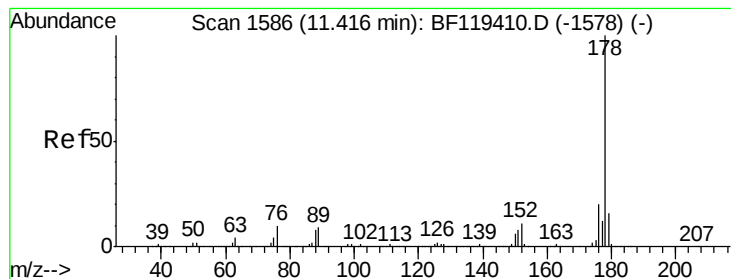


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 39.77 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

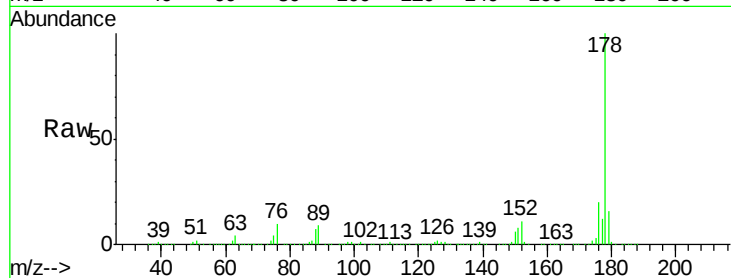
Tgt Ion:178 Resp: 2372209

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

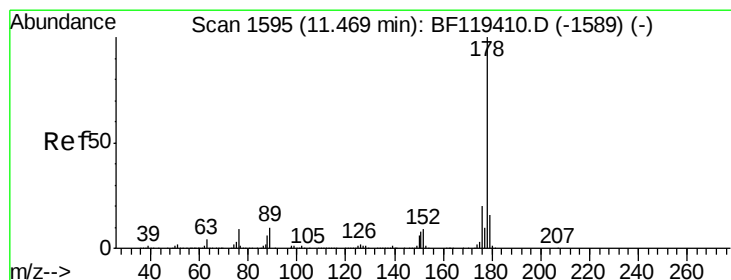
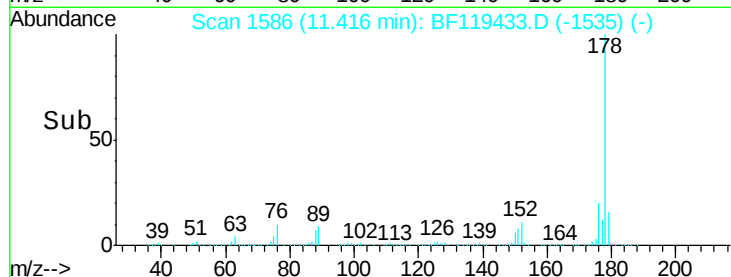
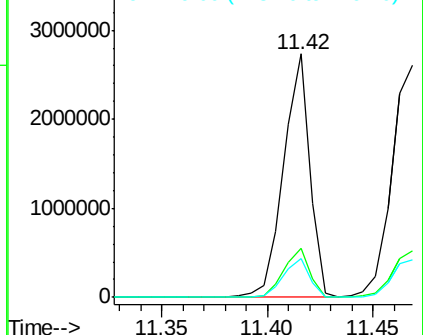
179 16.2 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.54 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

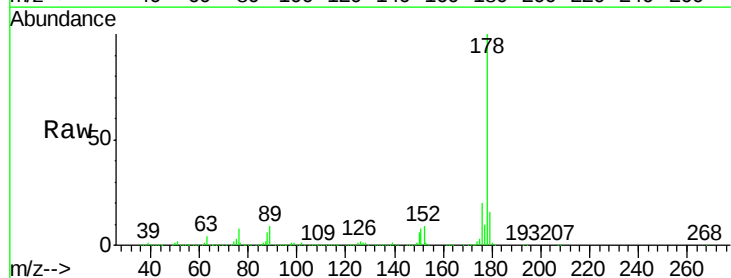
Tgt Ion:178 Resp: 2457776

Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

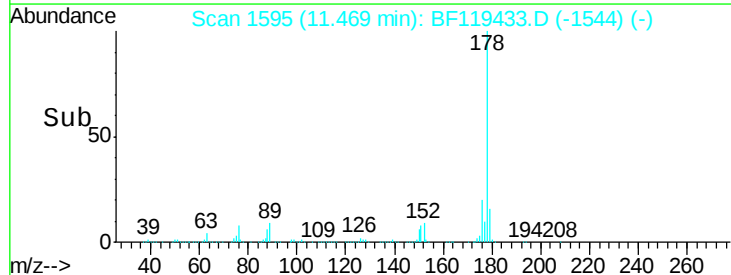
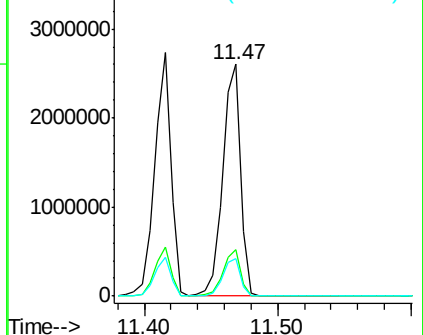
179 16.4 13.1 19.7

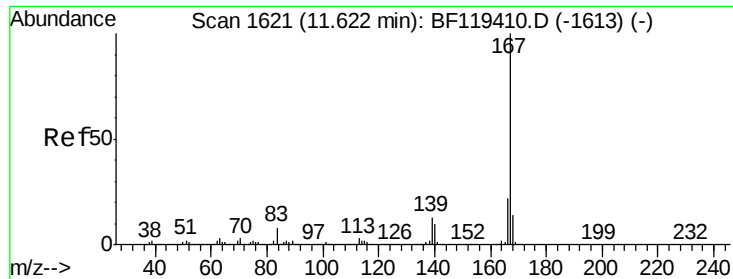


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

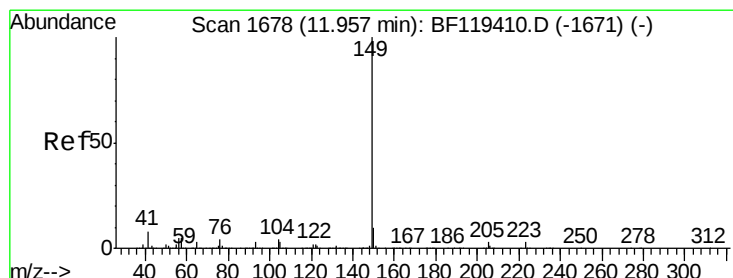
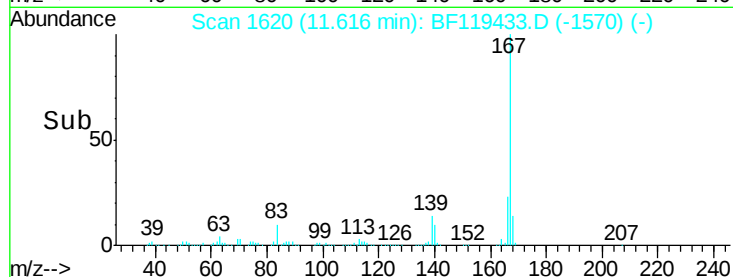
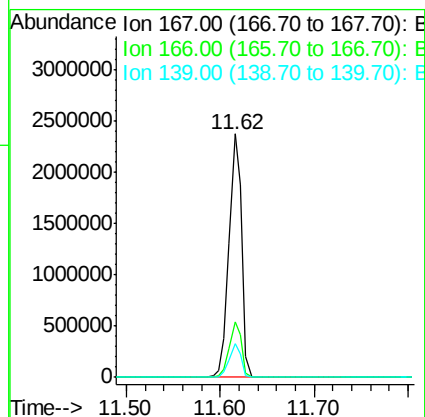
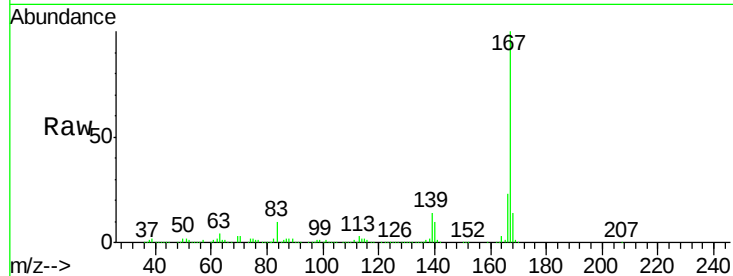




#73
 Carbazole
 Concen: 36.86 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

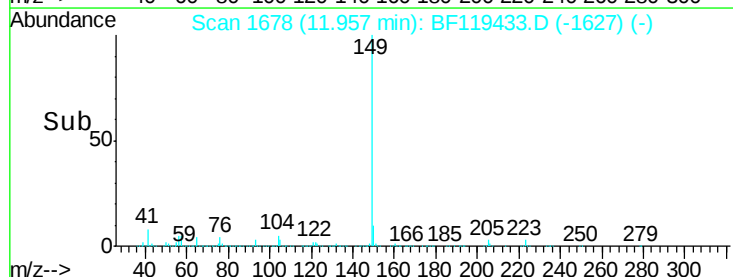
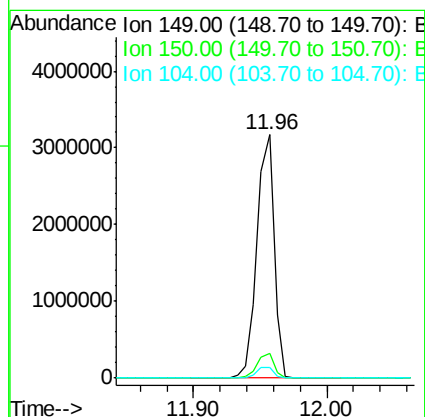
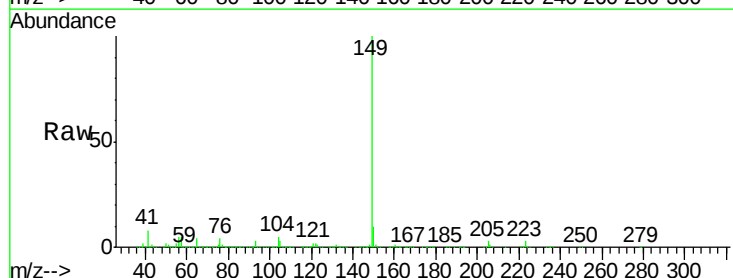
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

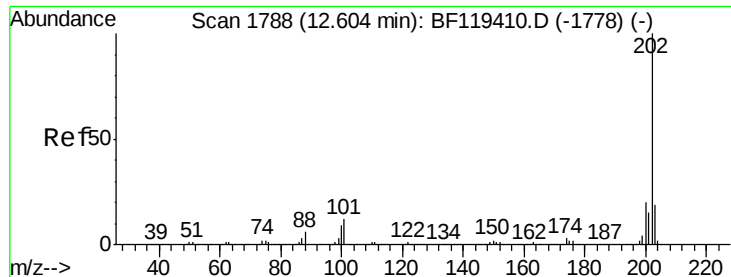
Tgt Ion:167 Resp: 2211820
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.8 26.6
 139 13.8 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 43.38 ng
 RT: 11.96 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion:149 Resp: 2784523
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.6 11.4
 104 4.6 3.5 5.3





#75

Fluoranthene

Concen: 35.80 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

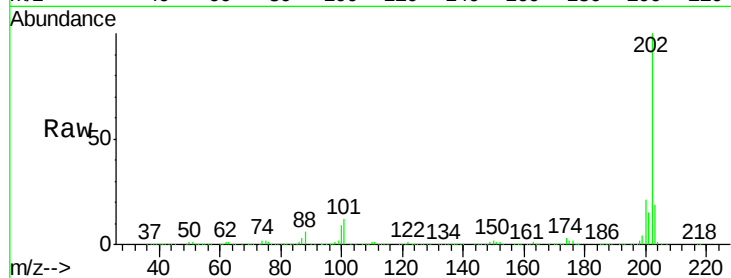
Tgt Ion:202 Resp: 2311048

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.4

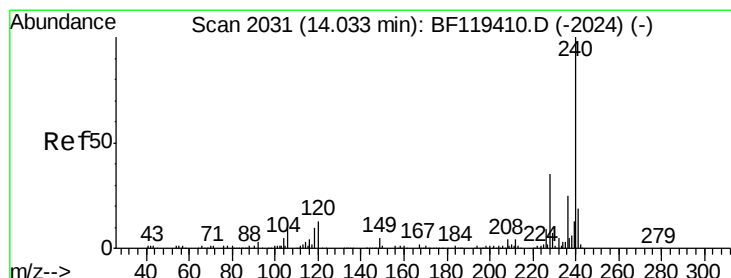
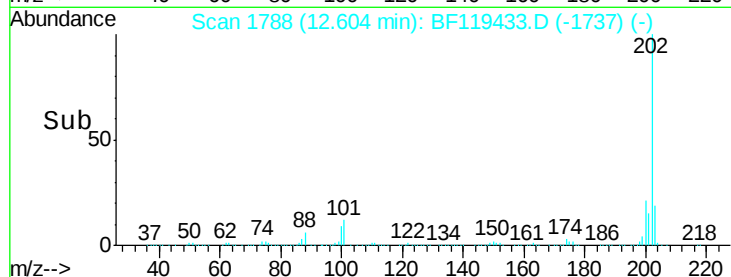
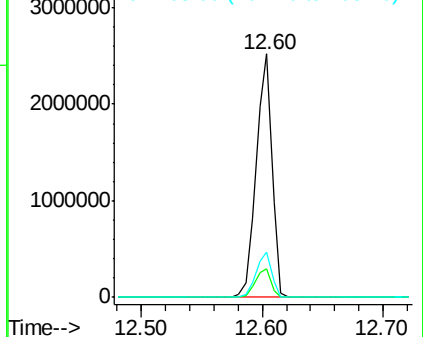
203 18.6 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

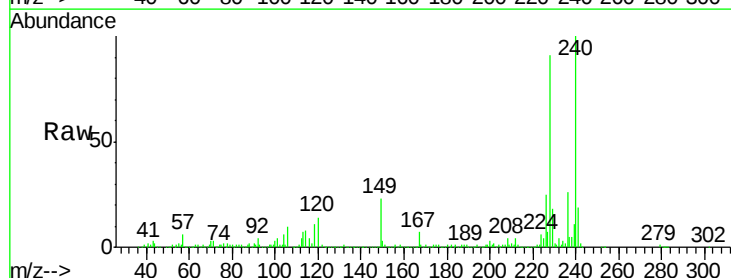
Tgt Ion:240 Resp: 629862

Ion Ratio Lower Upper

240 100

120 13.5 10.2 15.4

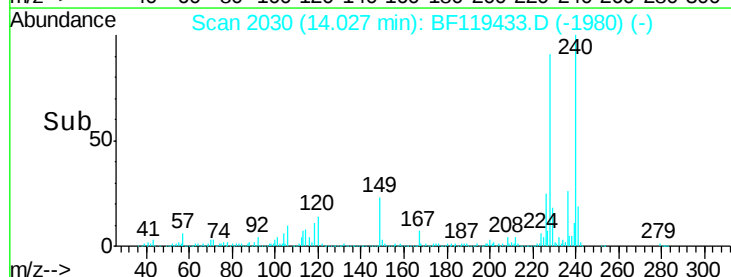
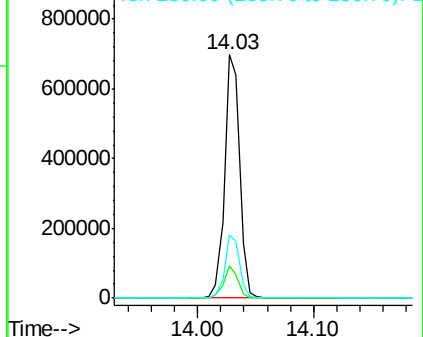
236 25.7 20.4 30.6

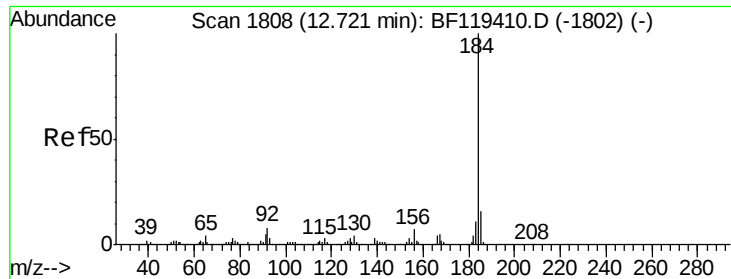


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 29.22 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

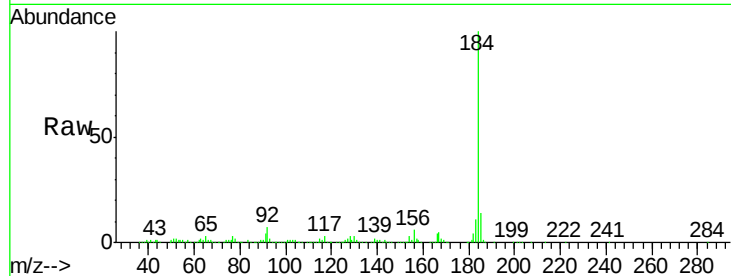
Tgt Ion:184 Resp: 778826

Ion Ratio Lower Upper

184 100

185 14.1 12.9 19.3

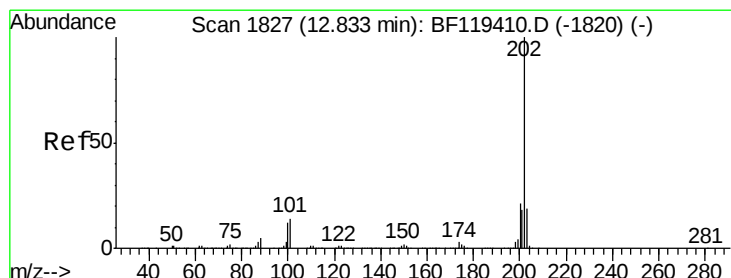
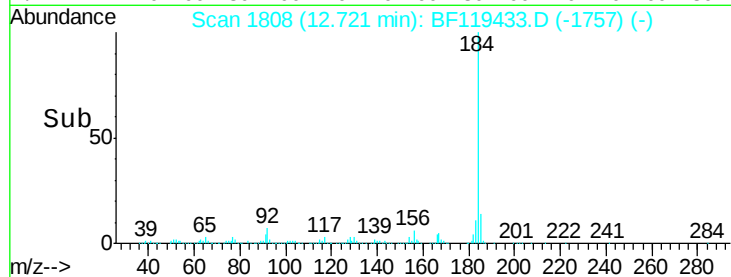
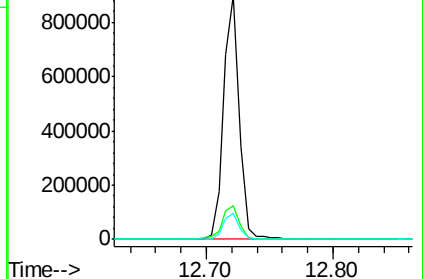
183 10.6 9.0 13.4



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: 44.01 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

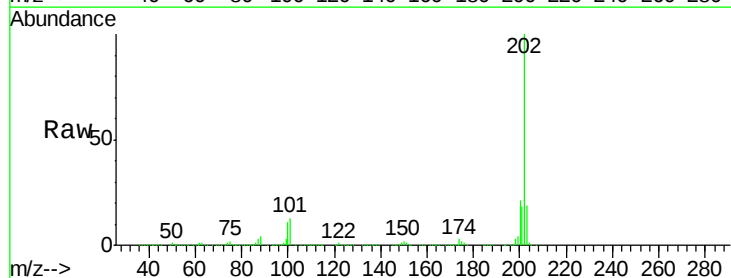
Tgt Ion:202 Resp: 2275176

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

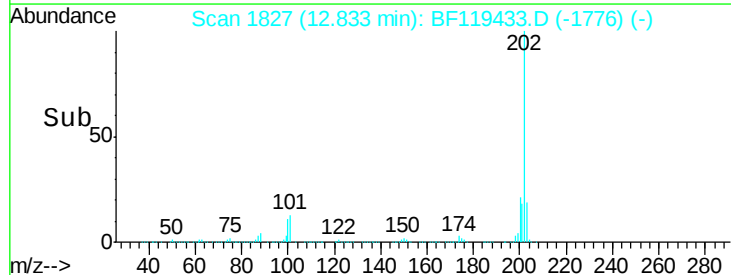
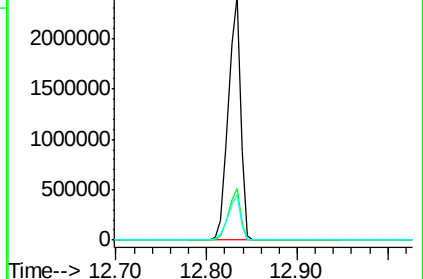
203 18.5 14.8 22.2



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

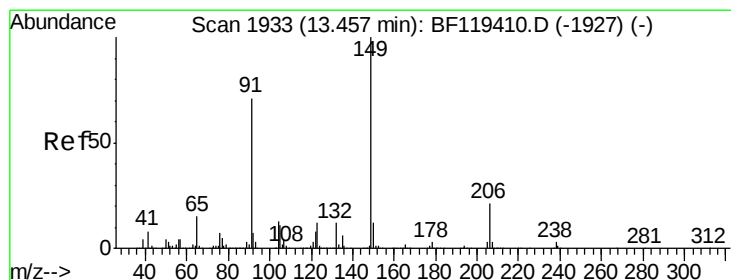
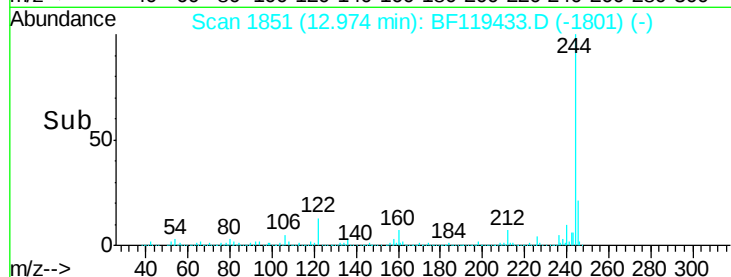
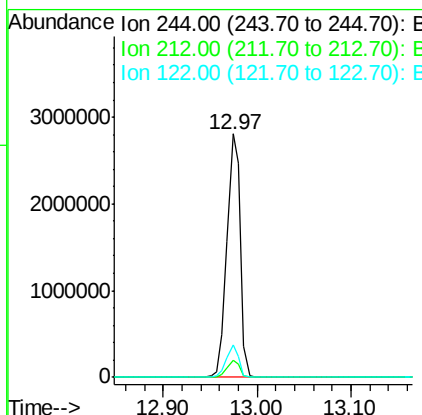
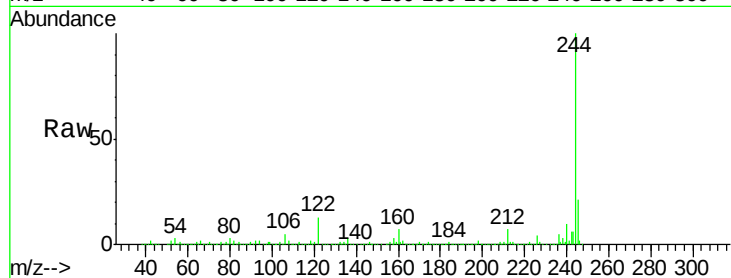




#79
 Terphenyl-d14
 Concen: 85.99 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

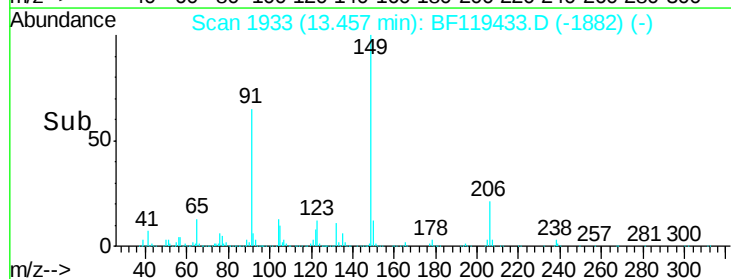
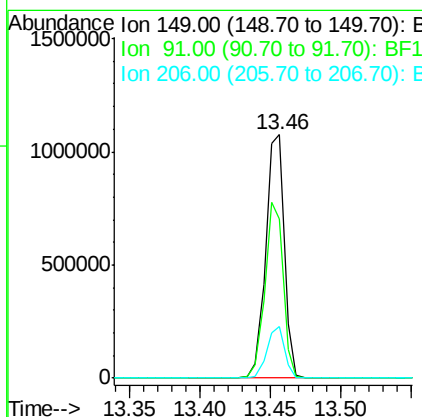
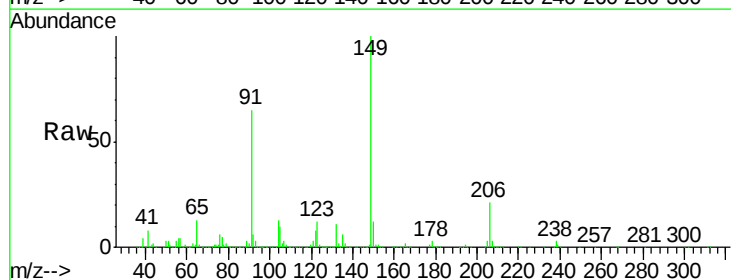
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-219MS

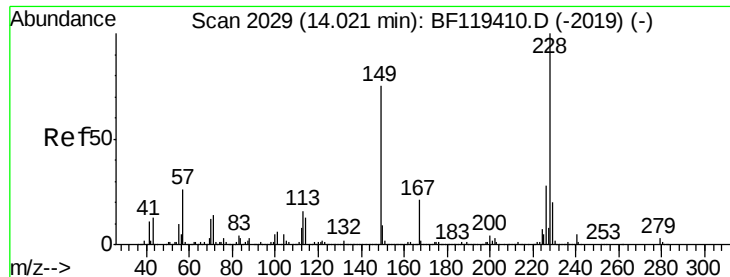
Tgt Ion:244 Resp: 2764345
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 13.2 9.8 14.8



#80
 Butylbenzylphthalate
 Concen: 48.20 ng
 RT: 13.46 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: BF119433.D
 Acq: 18 Mar 2020 23:51

Tgt Ion:149 Resp: 1007780
 Ion Ratio Lower Upper
 149 100
 91 65.2 57.0 85.6
 206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 40.45 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

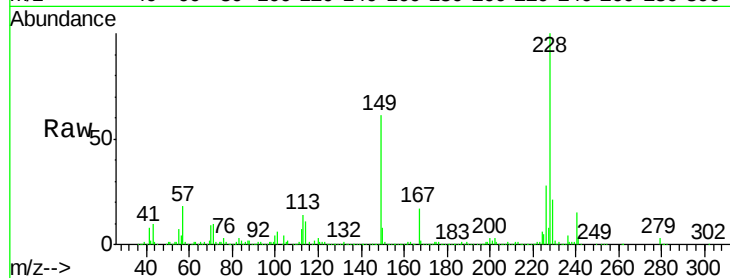
Tgt Ion:228 Resp: 1656693

Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

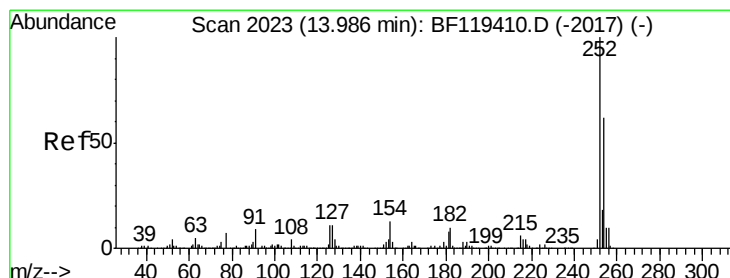
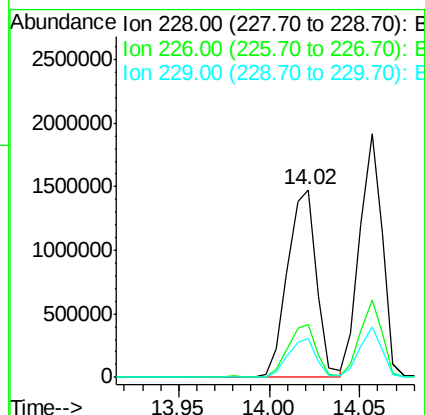
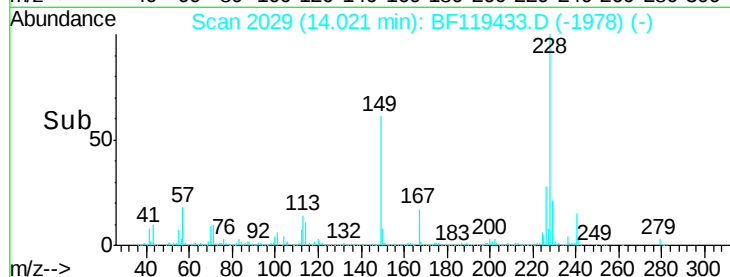
229 20.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 27.90 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

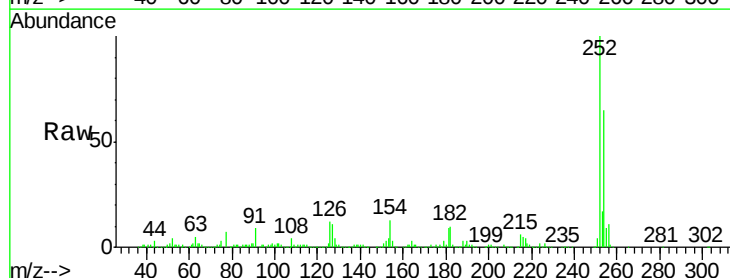
Tgt Ion:252 Resp: 450519

Ion Ratio Lower Upper

252 100

254 65.0 49.8 74.8

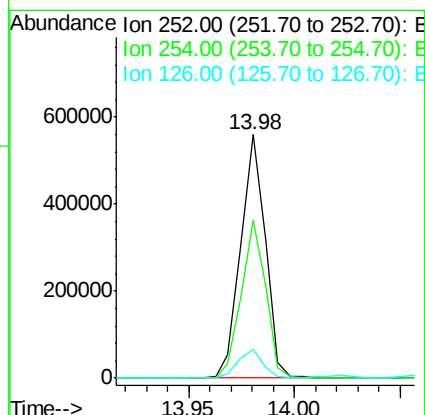
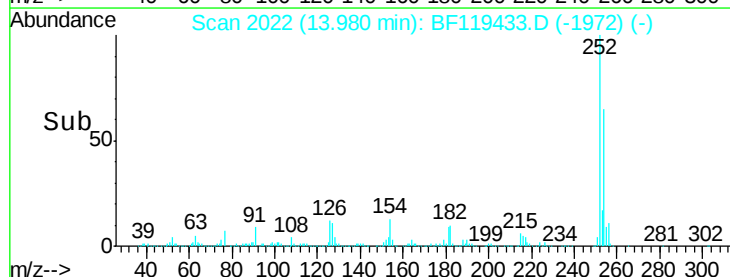
126 11.9 8.9 13.3



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: 39.42 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

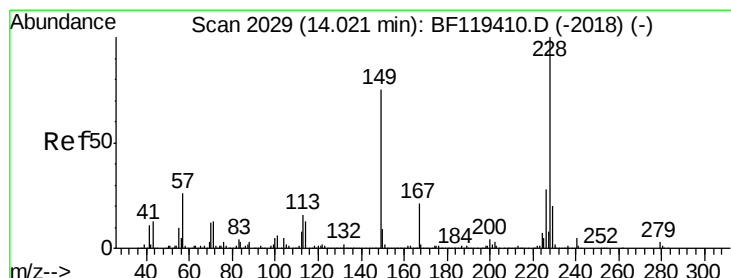
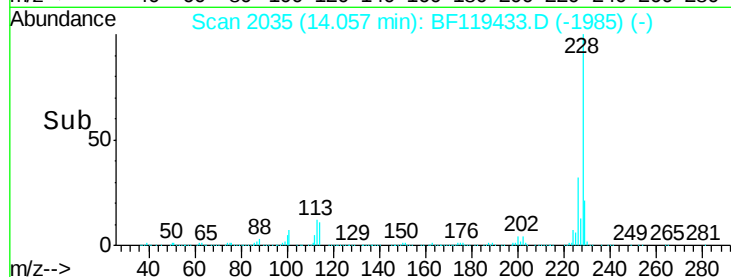
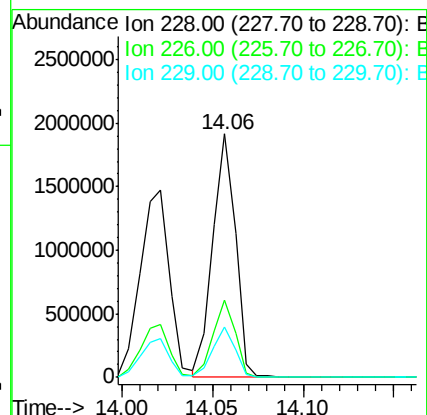
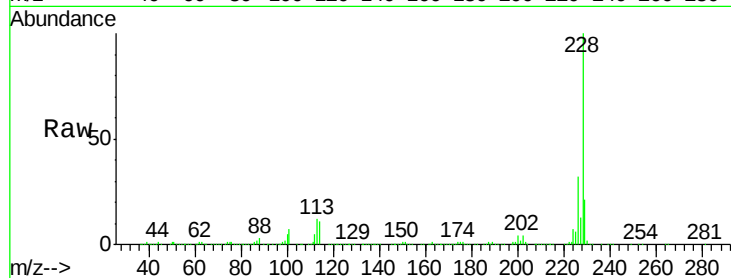
Tgt Ion:228 Resp: 1666509

Ion Ratio Lower Upper

228 100

226 31.6 24.8 37.2

229 20.7 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.82 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

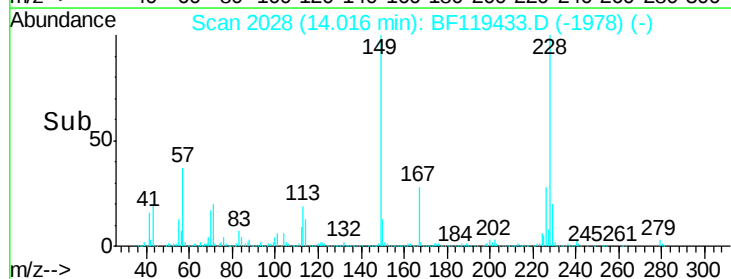
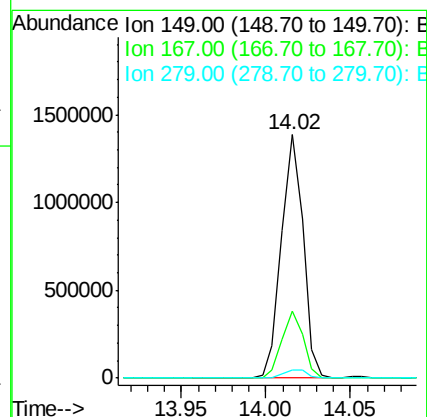
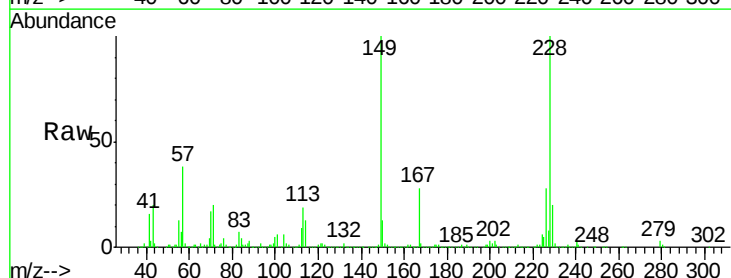
Tgt Ion:149 Resp: 1241785

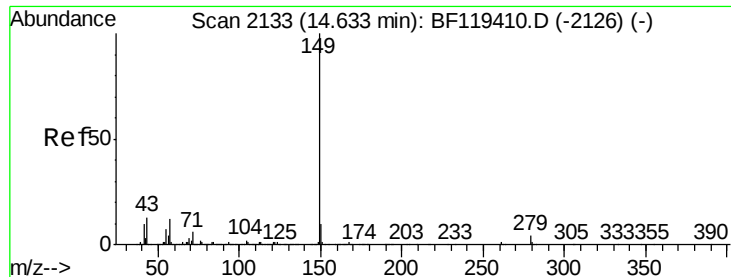
Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

279 3.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 48.59 ng

RT: 14.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

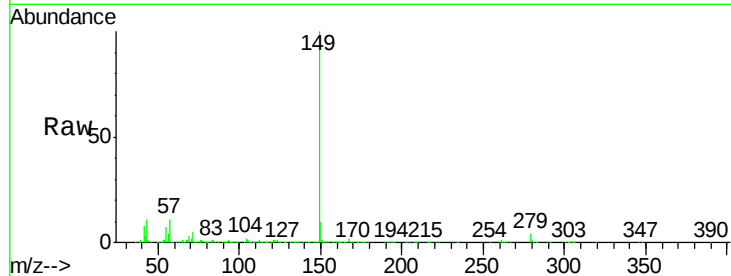
Tgt Ion:149 Resp: 2129738

Ion Ratio Lower Upper

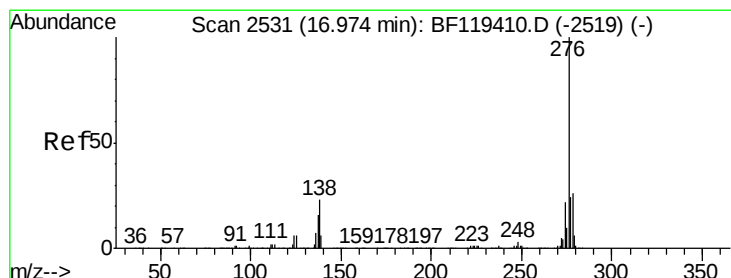
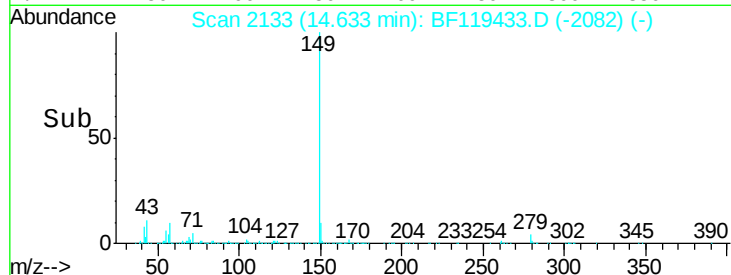
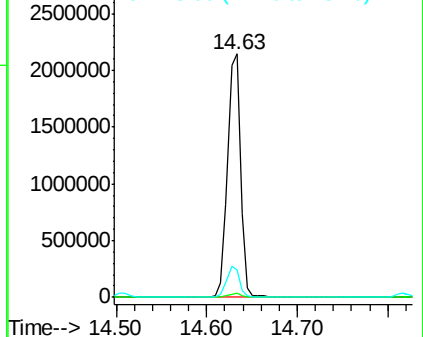
149 100

167 1.6 1.1 1.7

43 12.2 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: 48.26 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

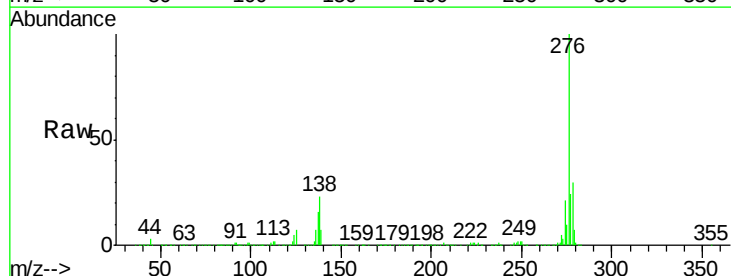
Tgt Ion:276 Resp: 1921315

Ion Ratio Lower Upper

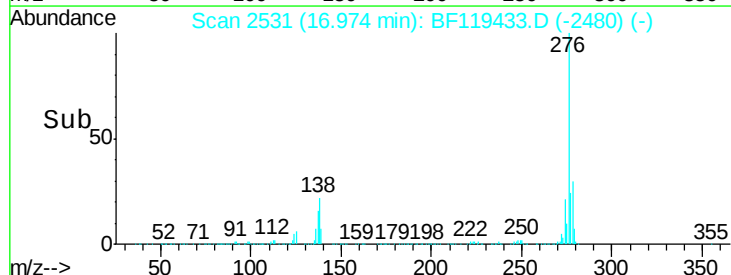
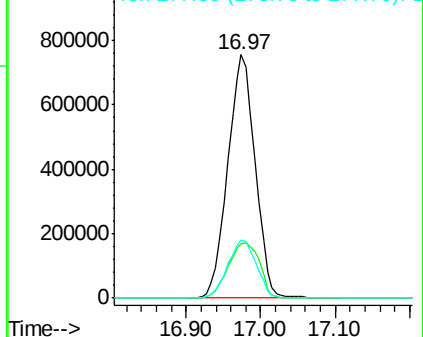
276 100

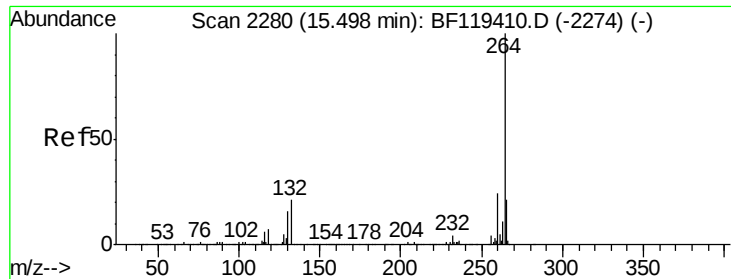
138 26.3 21.3 31.9

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



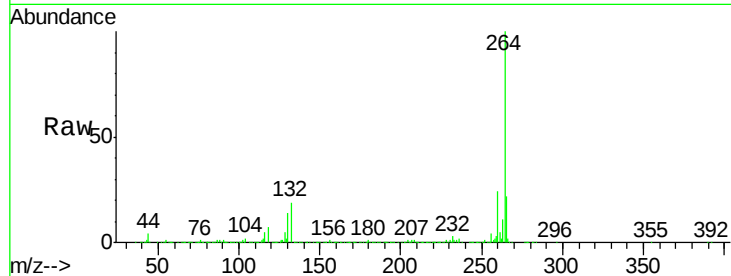


#87
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

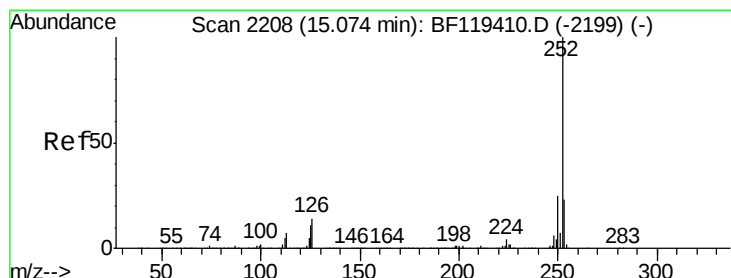
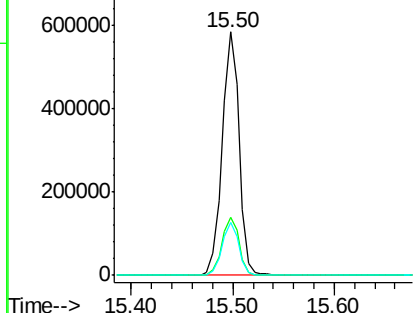
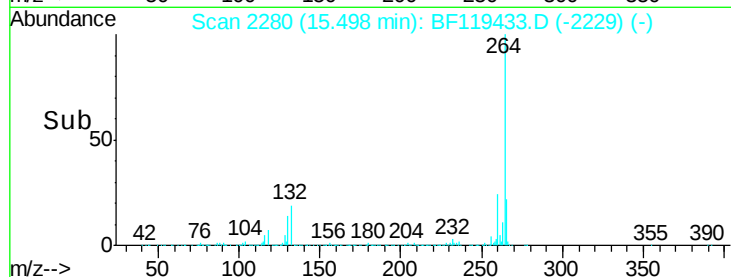
Instrument :
BNA_F
ClientSampleId :
VNJ-219MS

Tgt Ion: 264 Resp: 676382

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	16.9	25.3



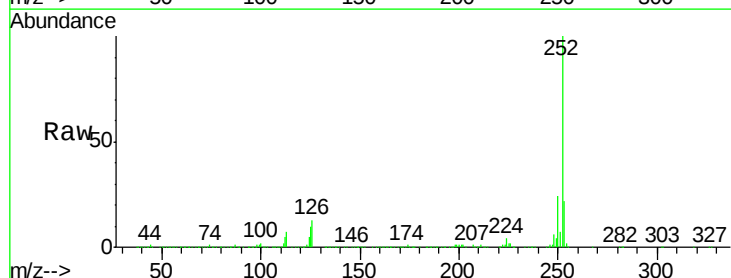
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



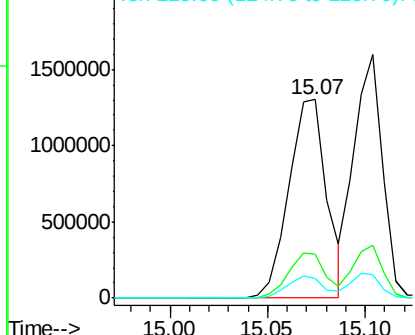
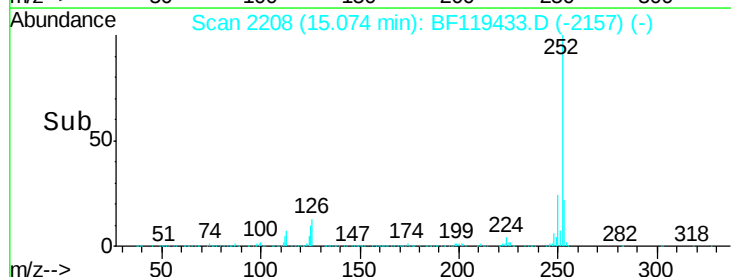
#88
Benzo(b)fluoranthene
Concen: 38.86 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF119433.D
Acq: 18 Mar 2020 23:51

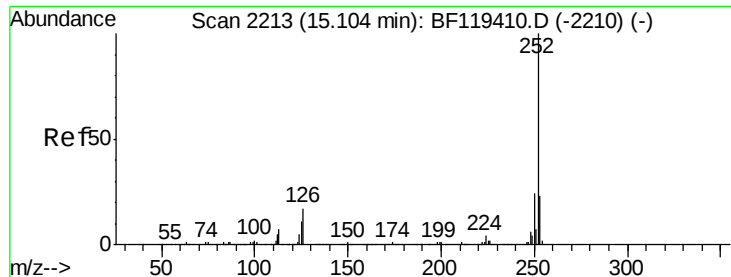
Tgt Ion: 252 Resp: 1755828

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	9.7	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: 38.20 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

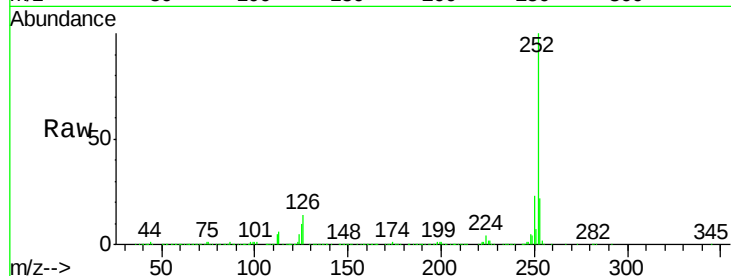
Tgt Ion:252 Resp: 1643508

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.4

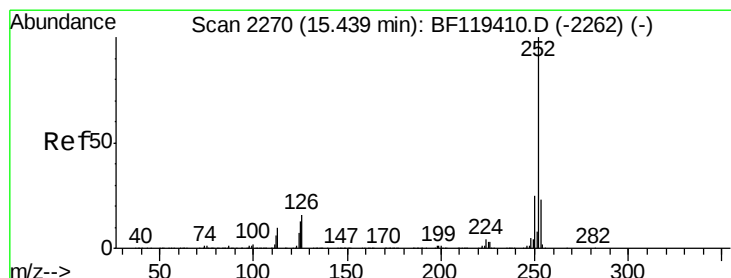
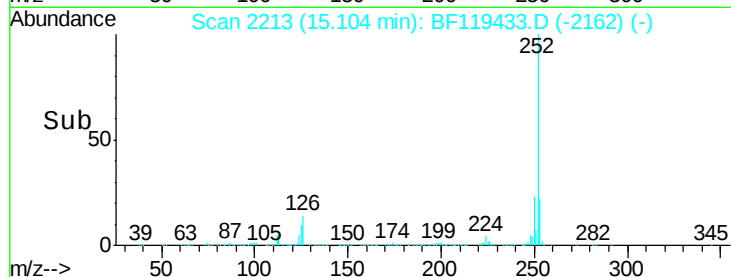
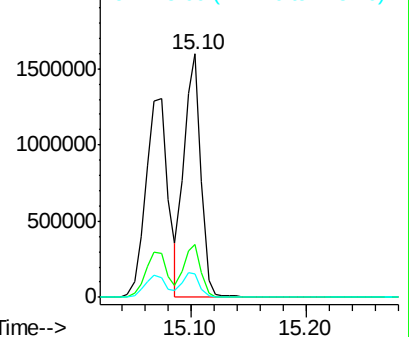
125 9.8 9.0 13.4



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: 38.83 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

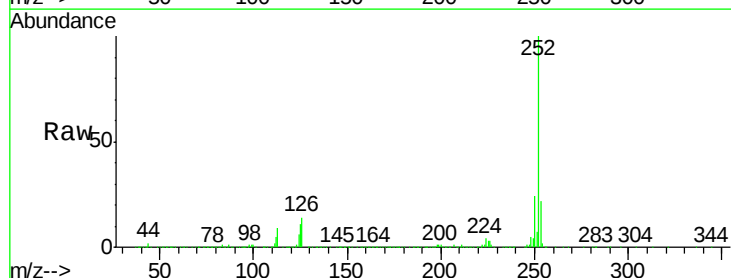
Tgt Ion:252 Resp: 1594384

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.4

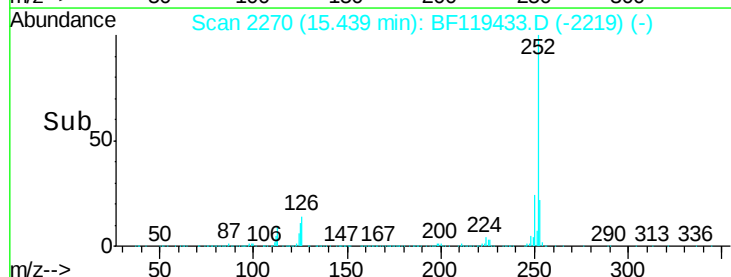
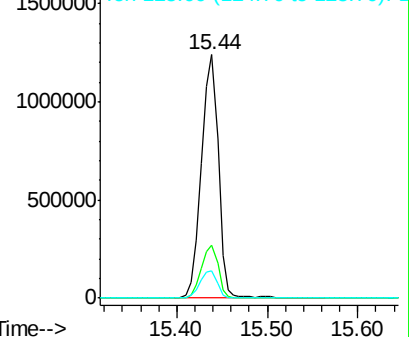
125 11.3 10.2 15.2

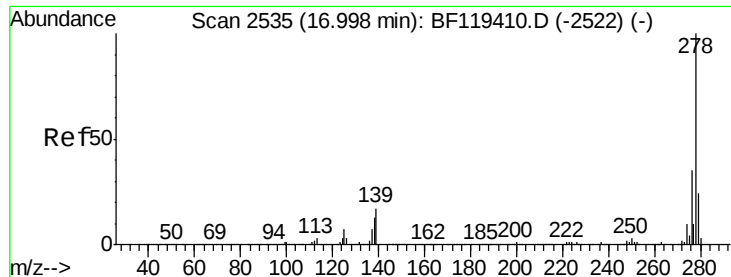


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 44.01 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

Instrument :

BNA_F

ClientSampleId :

VNJ-219MS

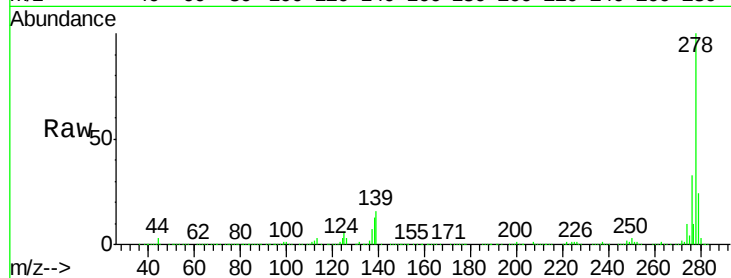
Tgt Ion:278 Resp: 1580488

Ion Ratio Lower Upper

278 100

139 16.1 13.7 20.5

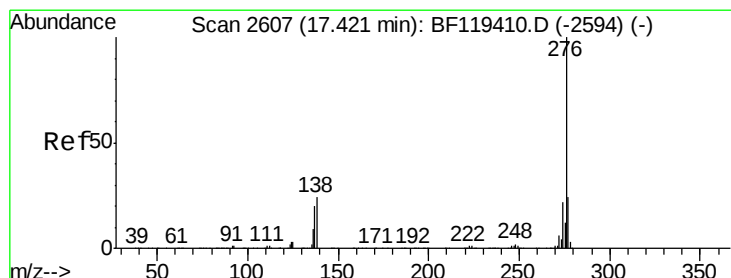
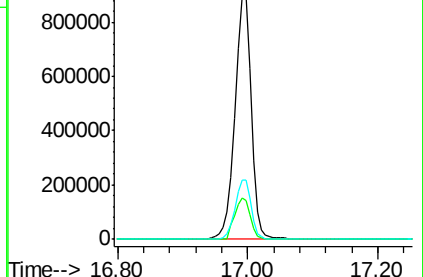
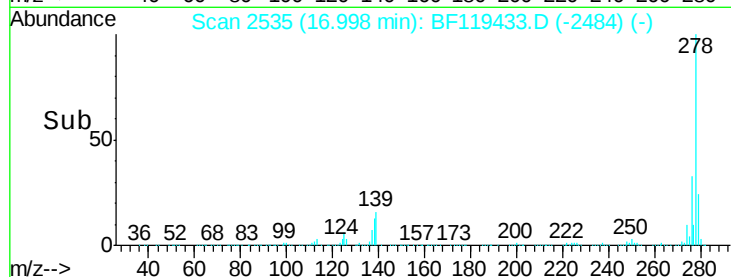
279 24.3 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 44.19 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.00 min

Lab File: BF119433.D

Acq: 18 Mar 2020 23:51

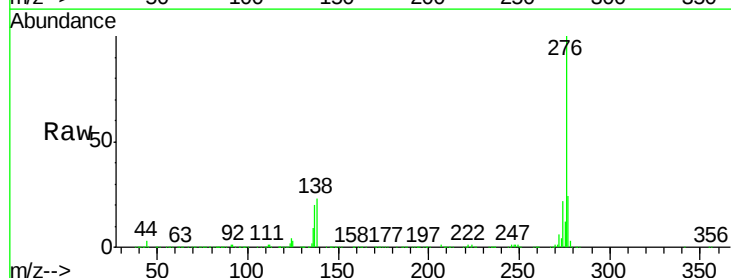
Tgt Ion:276 Resp: 1594428

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 23.2 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

