

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF051920\
 Data File : BF120364.D
 Acq On : 19 May 2020 15:21
 Operator : MA/SJ
 Sample : L2686-02 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: May 19 15:52:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 13:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	242303	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	982756	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	397774	20.00	ng	0.00
64) Phenanthrene-d10	11.14	188	565271	20.00	ng	0.01
76) Chrysene-d12	13.77	240	485691	20.00	ng	0.00
87) Perylene-d12	15.15	264	553285	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	580843	46.64	ng	0.00
7) Phenol-d6	6.25	99	796697	50.59	ng	0.00
23) Nitrobenzene-d5	7.16	82	511150	35.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.44	330	152291	46.96	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	980366	50.64	ng	0.00
79) Terphenyl-d14	12.73	244	700232	31.85	ng	0.01

Target Compounds

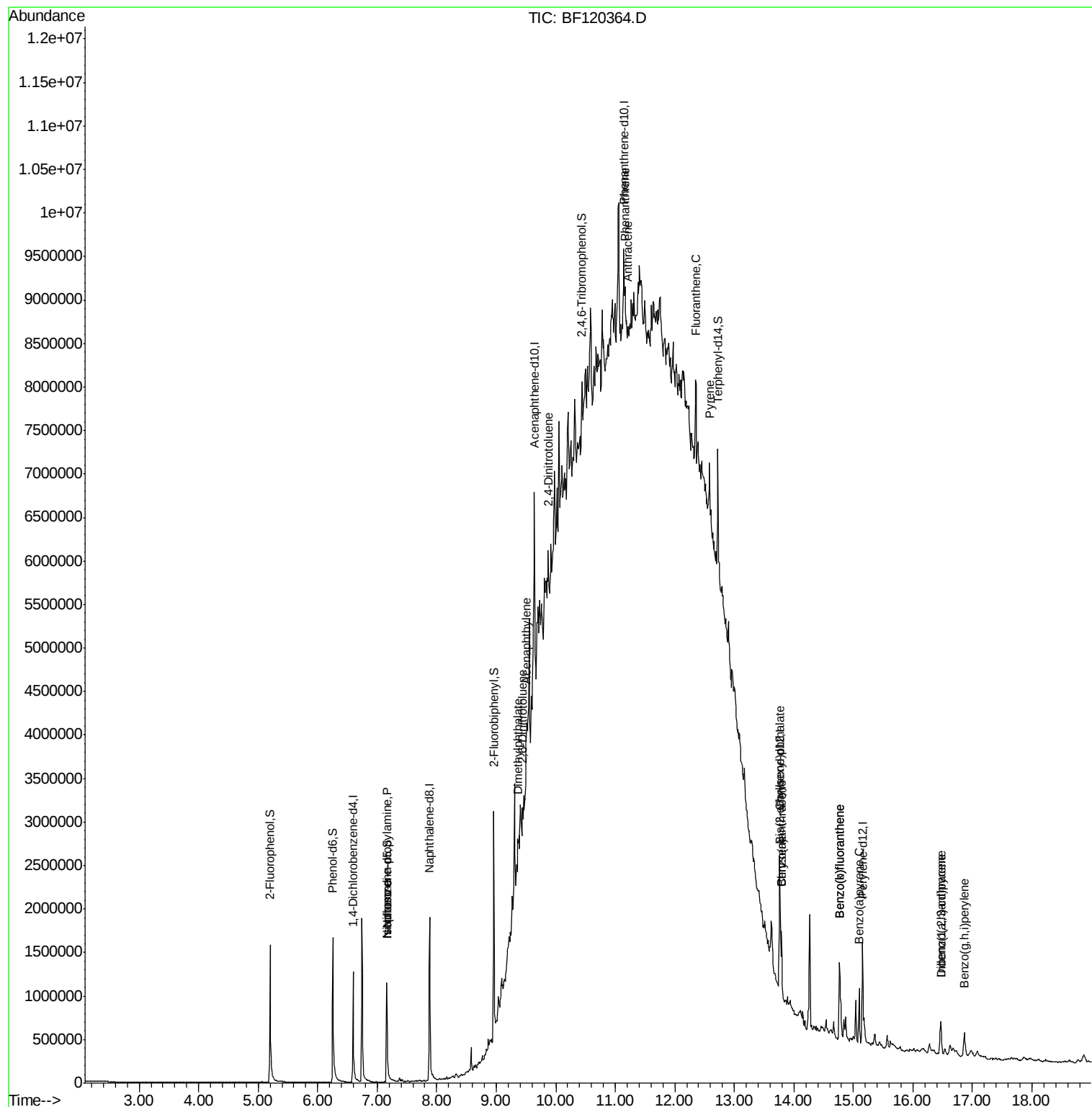
						Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	65004	6.301	ng	# 78
25) Isophorone	7.16	82	507550	16.994	ng	# 65
49) Acenaphthylene	9.50	152	86389	2.705	ng	# 58
50) Dimethylphthalate	9.36	163	119512	4.753	ng	# 90
51) 2,6-Dinitrotoluene	9.44	165	15455	2.754	ng	# 25
57) 2,4-Dinitrotoluene	9.88	165	33003	5.013	ng	# 24
71) Phenanthrene	11.16	178	154913	6.522	ng	# 67
72) Anthracene	11.22	178	58218	2.289	ng	# 37
75) Fluoranthene	12.36	202	477942	18.773	ng	96
78) Pyrene	12.58	202	460548	13.301	ng	97
81) Benzo(a)anthracene	13.79	228	307201	11.992	ng	97
83) Chrysene	13.79	228	307201	11.168	ng	99
84) Bis(2-ethylhexyl)phthalate	13.75	149	70486	3.475	ng	98
86) Indeno(1,2,3-cd)pyrene	16.47	276	230572	9.235	ng	95
88) Benzo(b)fluoranthene	14.77	252	610912	20.218	ng	99
89) Benzo(k)fluoranthene	14.77	252	610912	23.336	ng	98
90) Benzo(a)pyrene	15.10	252	297560	10.981	ng	99
91) Dibenzo(a,h)anthracene	16.47	278	66467	2.769	ng	# 94
92) Benzo(a,h,i)perylene	16.86	276	223039	9.213	ng	98

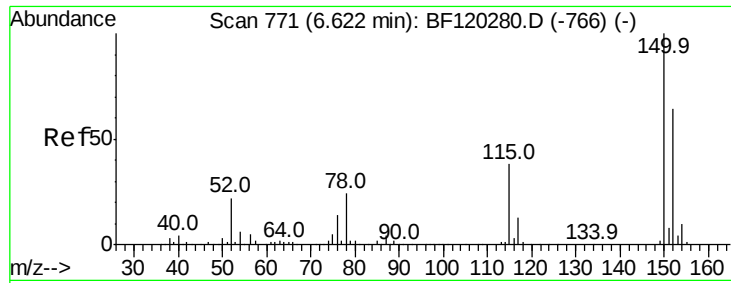
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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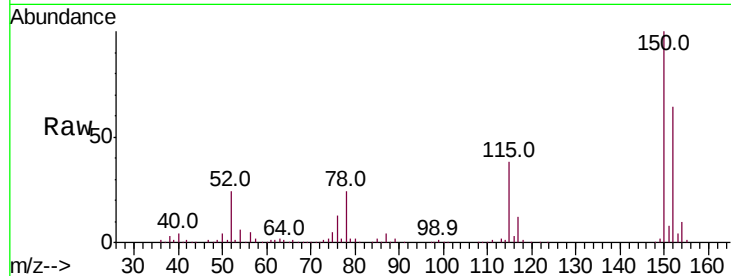


#1

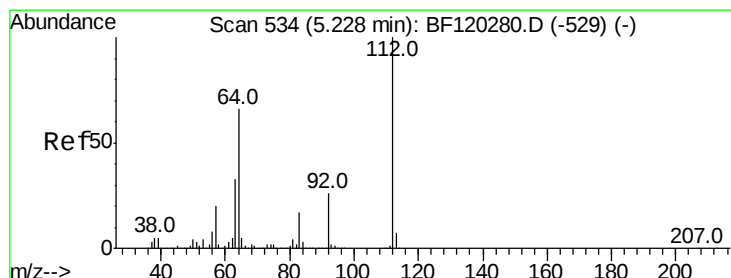
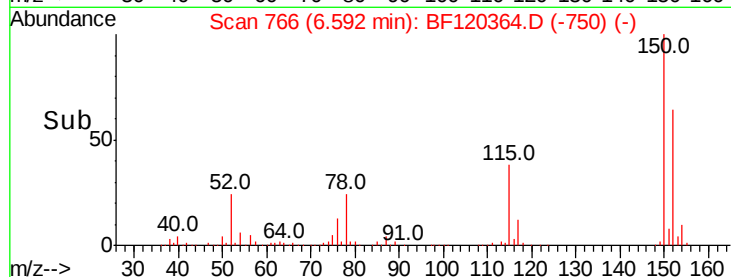
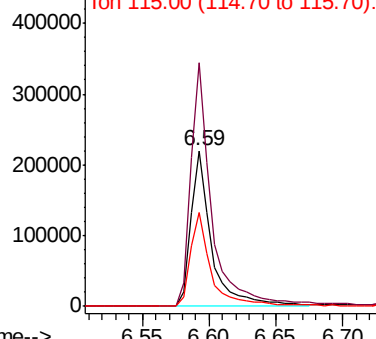
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tot Ion:152 Resp: 242303
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 60.0 47.9 71.9



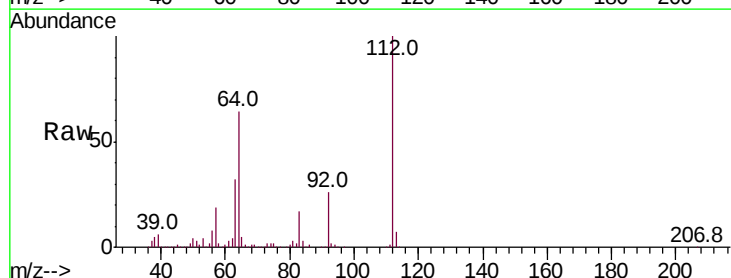
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



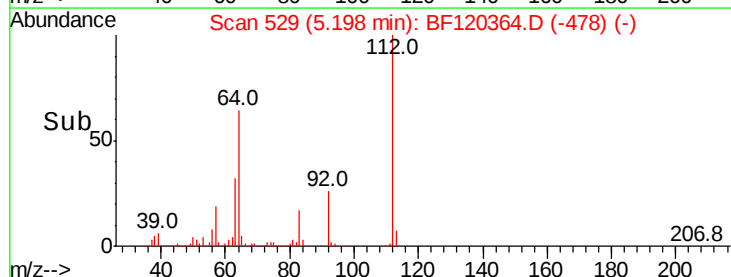
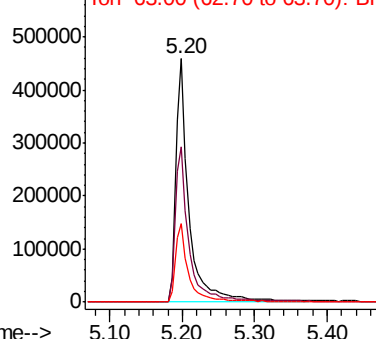
#5

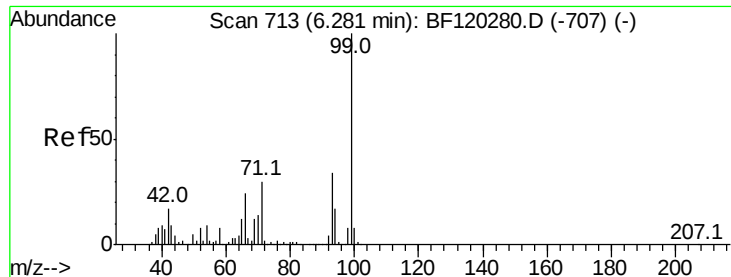
2-Fluorophenol
Concen: 46.642 ng
RT: 5.20 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion:112 Resp: 580843
Ion Ratio Lower Upper
112 100
64 63.9 52.7 79.1
63 32.1 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 50.590 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampleId :

VNJ-214

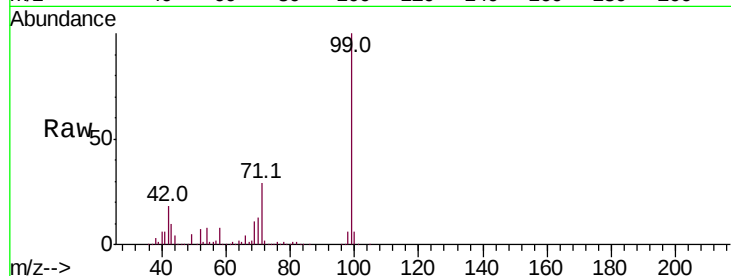
Tot Ion: 99 Resp: 796697

Ion Ratio Lower Upper

99 100

42 17.6 13.6 20.4

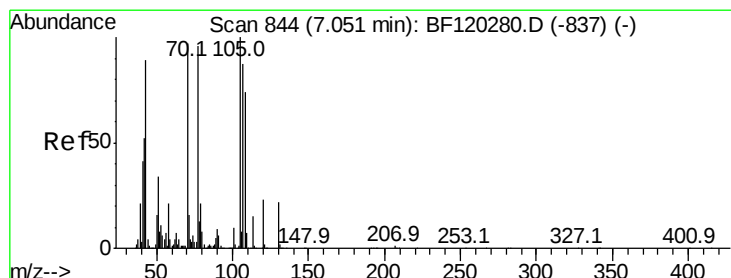
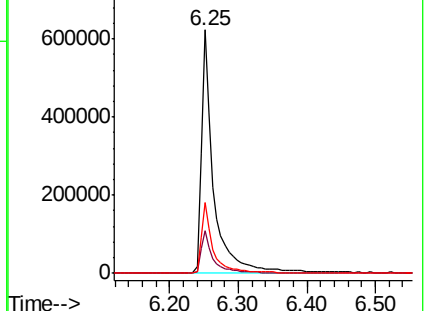
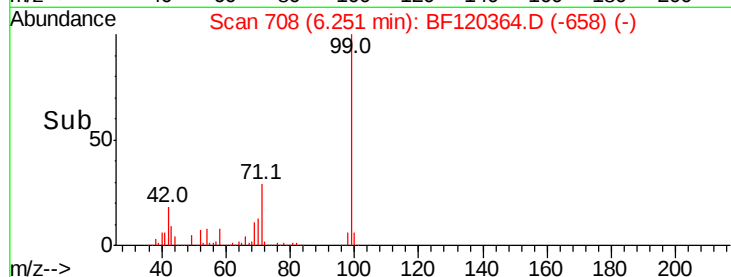
71 29.2 24.2 36.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.301 ng

RT: 7.16 min Scan# 863

Delta R.T. 0.14 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion: 70 Resp: 65004

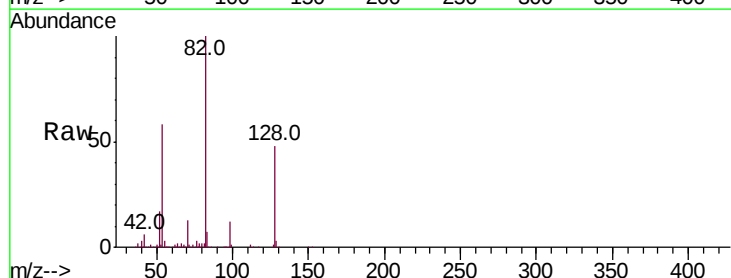
Ion Ratio Lower Upper

70 100

42 45.3 43.4 65.0

101 0.0 7.8 11.8#

130 2.8 18.2 27.4#

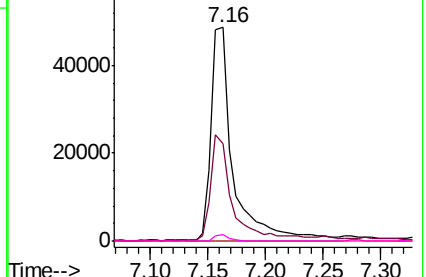
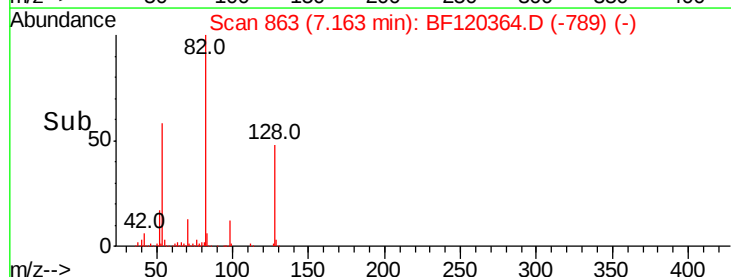


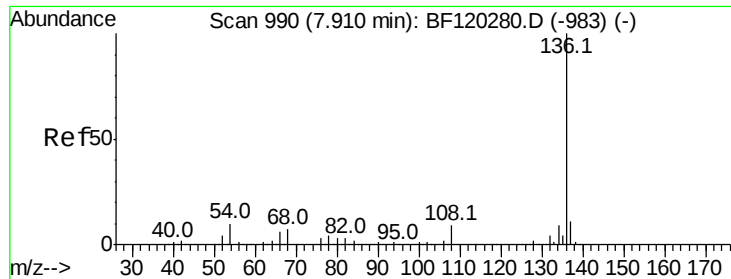
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

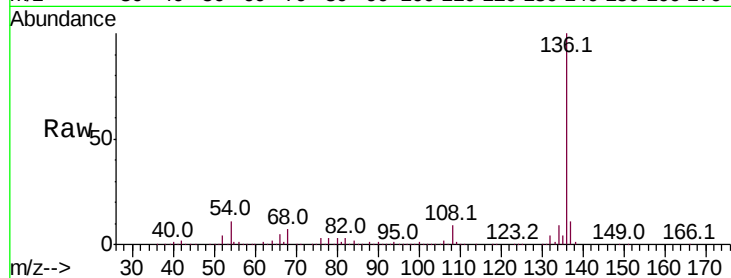




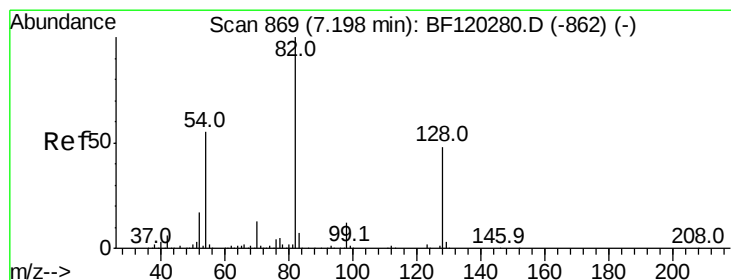
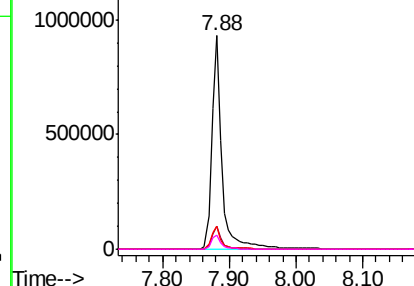
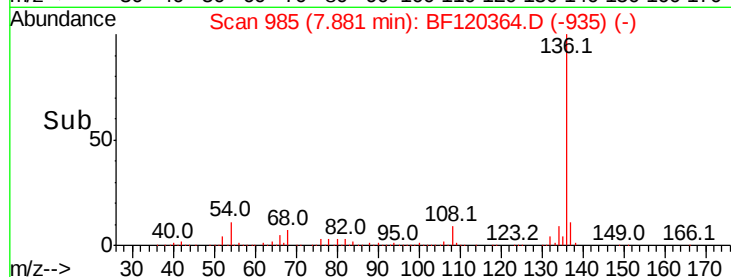
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Instrument :
BNA_F
ClientSampled :
VNJ-214

Tot Ion:	136	Resp:	982756
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	10.6	7.9	11.9
68	6.6	5.4	8.2

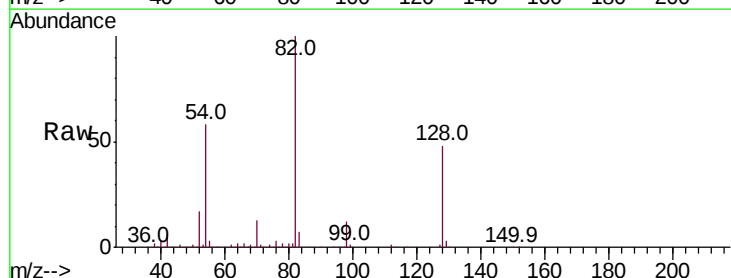


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

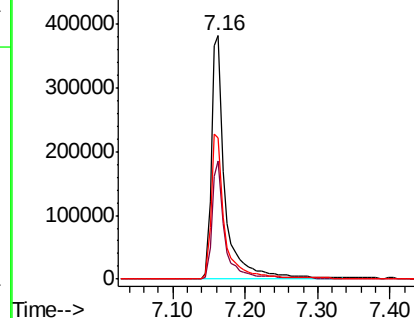
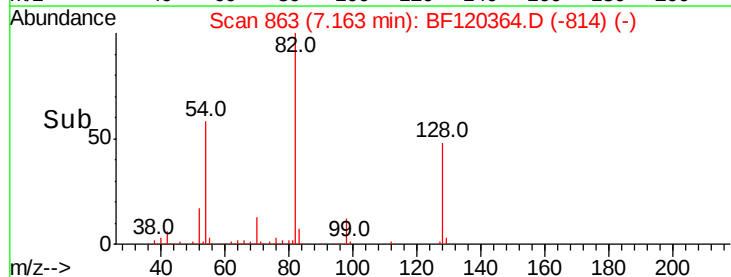


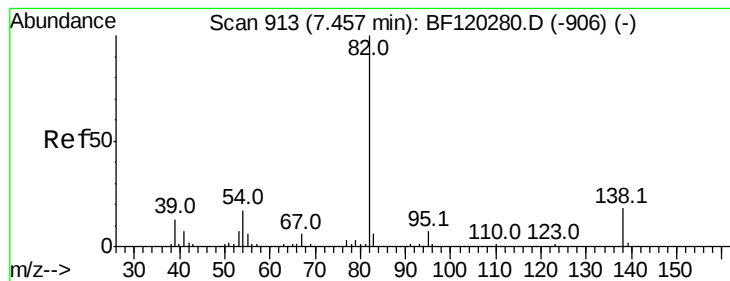
#23
Nitrobenzene-d5
Concen: 35.611 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion:	82	Resp:	511150
Ion	Ratio	Lower	Upper
82	100		
128	48.3	38.3	57.5
54	57.8	43.9	65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.994 ng

RT: 7.16 min Scan# 863

Delta R.T. -0.27 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampleId :

VNJ-214

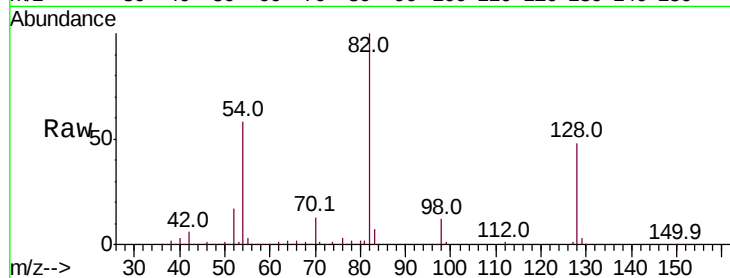
Tot Ion: 82 Resp: 507550

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

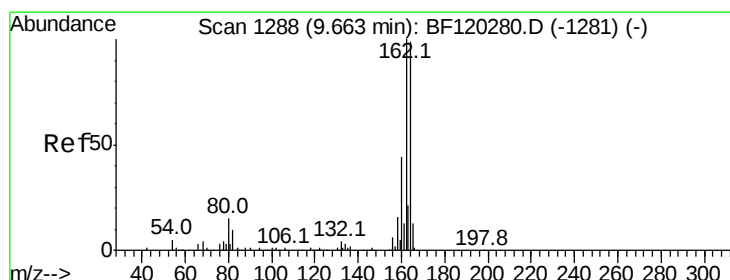
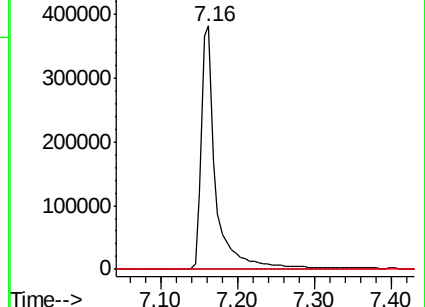
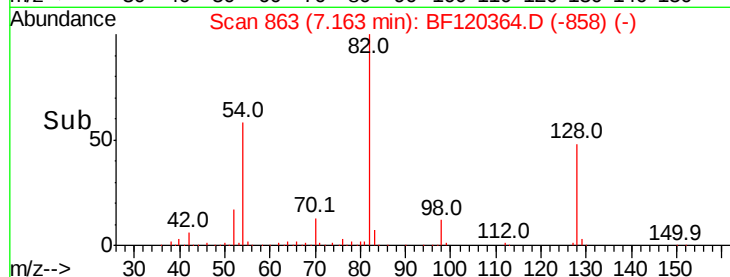
138 0.0 14.7 22.1#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

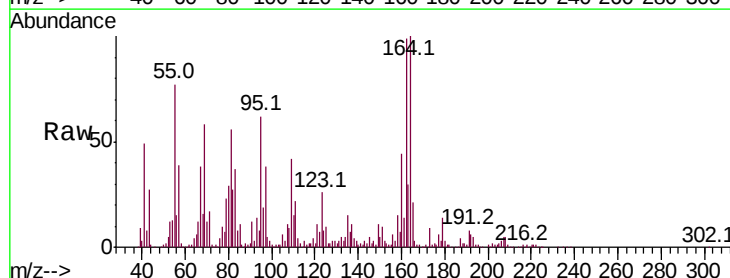
Tgt Ion:164 Resp: 397774

Ion Ratio Lower Upper

164 100

162 99.3 81.2 121.8

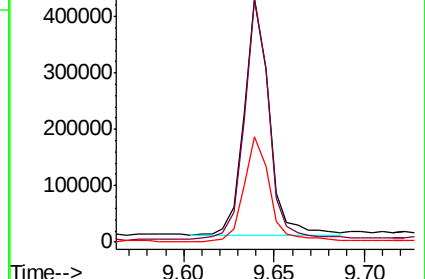
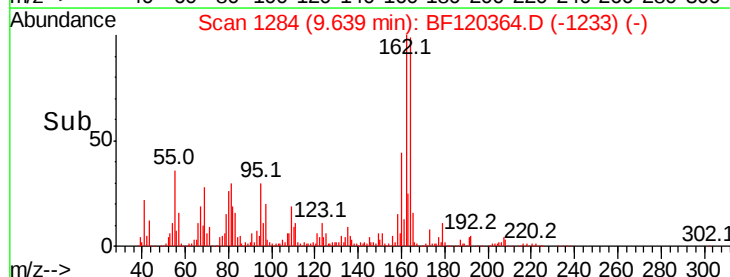
160 43.5 35.8 53.6

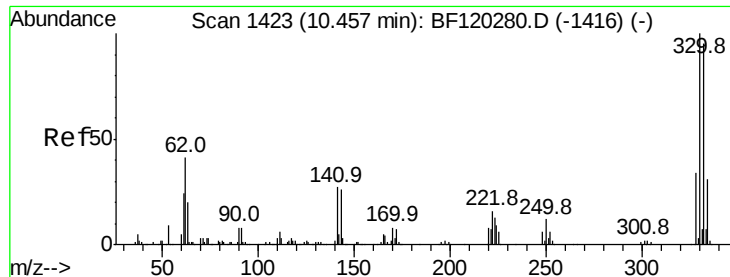


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

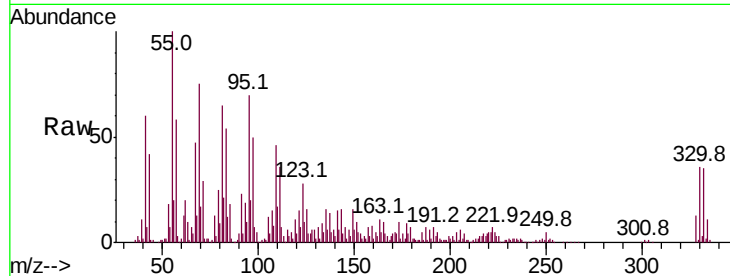




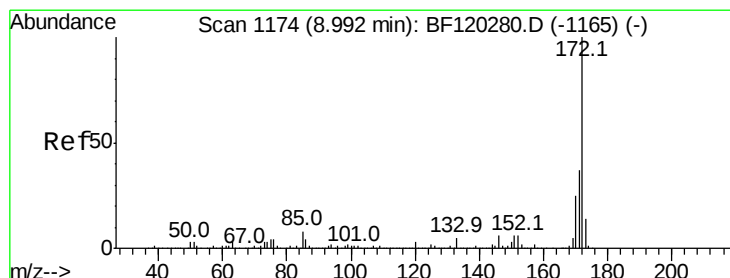
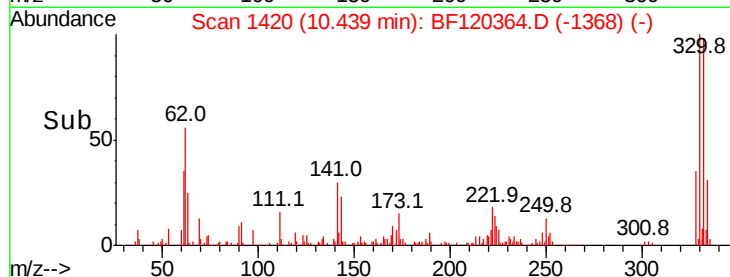
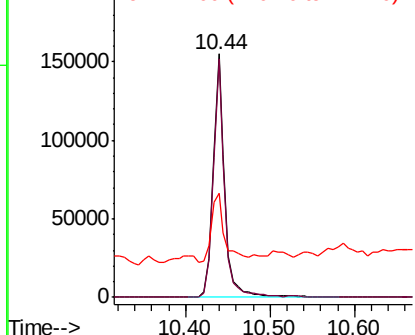
#42
 2,4,6-Tribromophenol
 Concen: 46.956 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. 0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.5	114.7
141	31.7	25.4	38.0

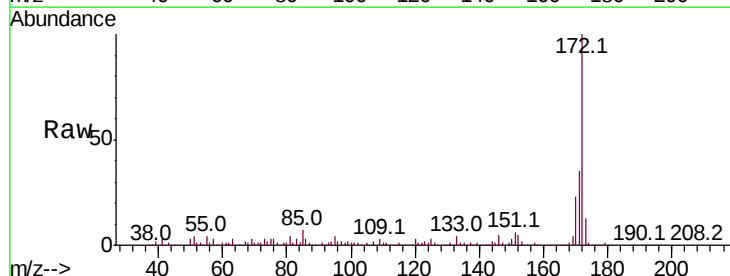


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

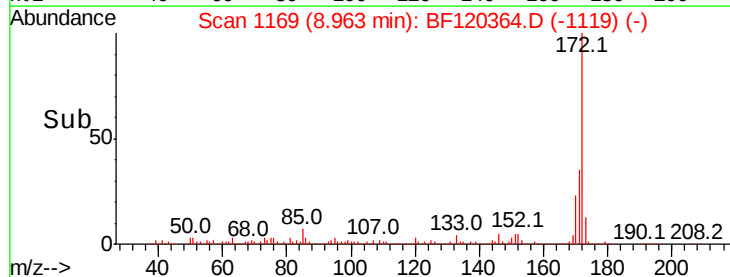
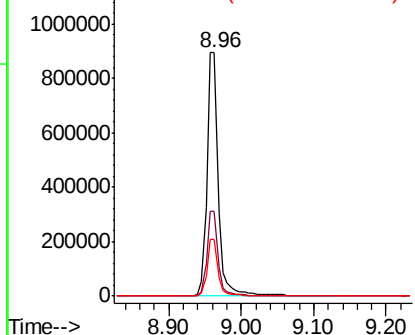


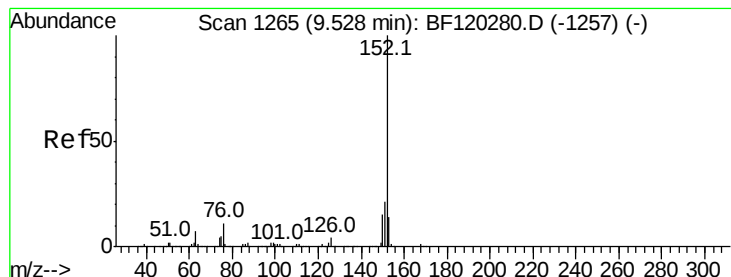
#45
 2-Fluorobiphenyl
 Concen: 50.635 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.4	19.9	29.9



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





#49

Acenaphthylene

Concen: 2.705 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampleId :

VNJ-214

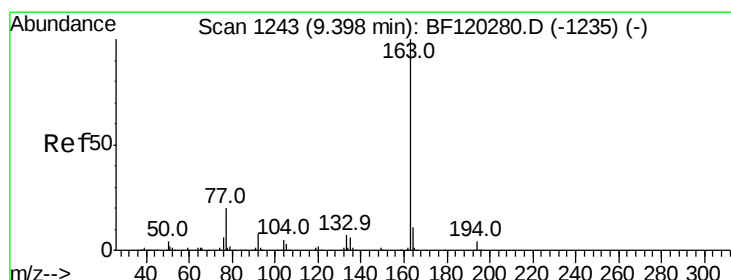
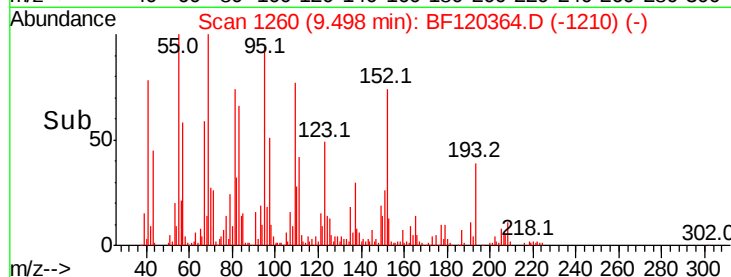
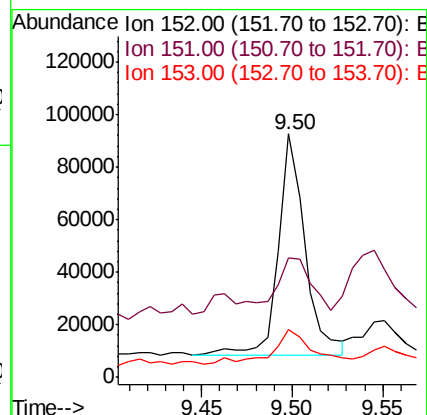
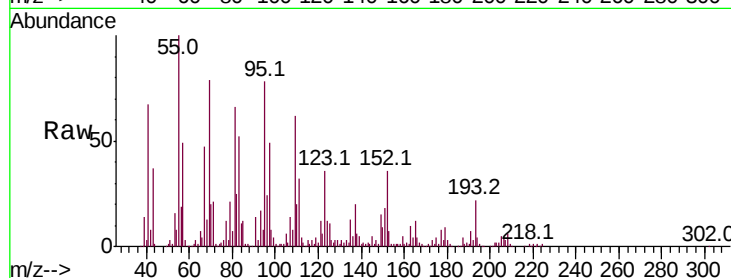
Tot Ion:152 Resp: 86389

Ion Ratio Lower Upper

152 100

151 49.1 16.6 25.0#

153 19.7 11.1 16.7#



#50

Dimethylphthalate

Concen: 4.753 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

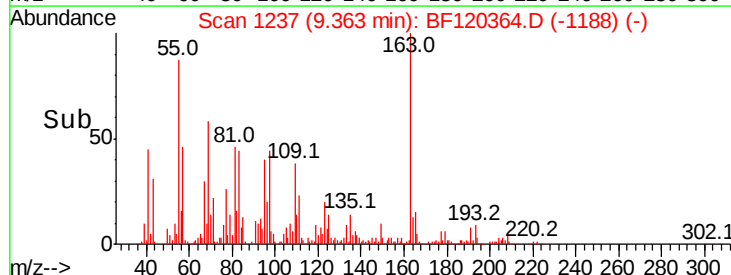
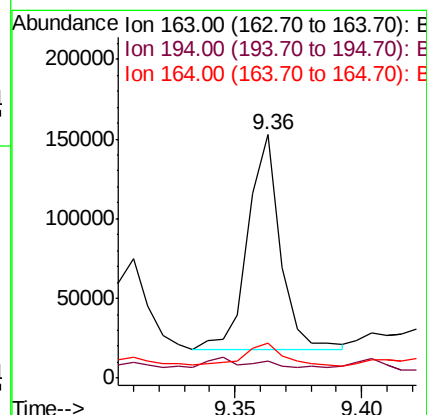
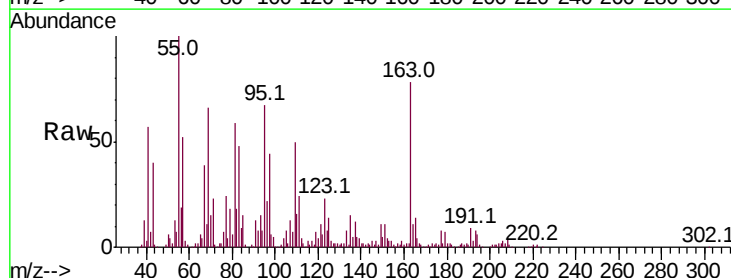
Tgt Ion:163 Resp: 119512

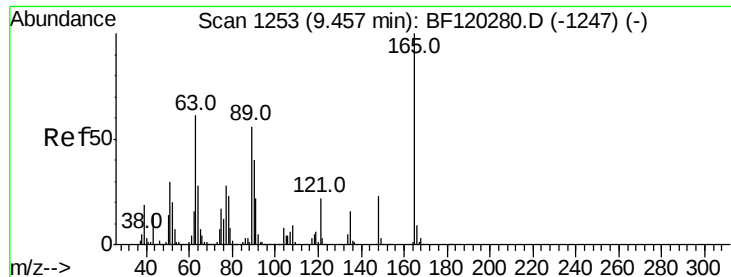
Ion Ratio Lower Upper

163 100

194 7.1 3.1 4.7#

164 14.2 8.6 12.8#





#51

2,6-Dinitrotoluene

Concen: 2.754 ng

RT: 9.44 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampled :

VNJ-214

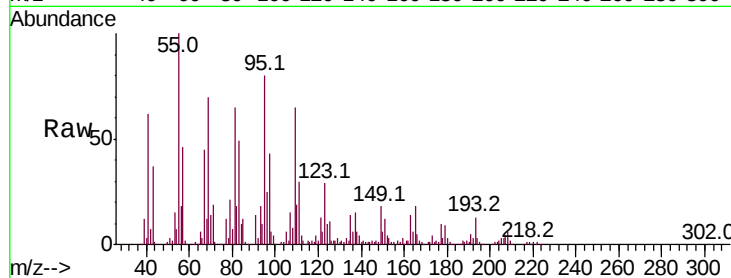
Tot Ion:165 Resp: 15455

Ion Ratio Lower Upper

165 100

63 4.2 50.2 75.2#

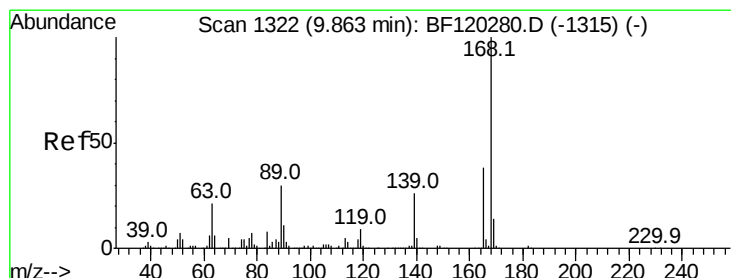
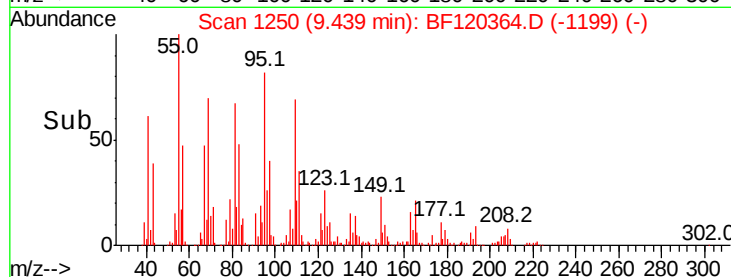
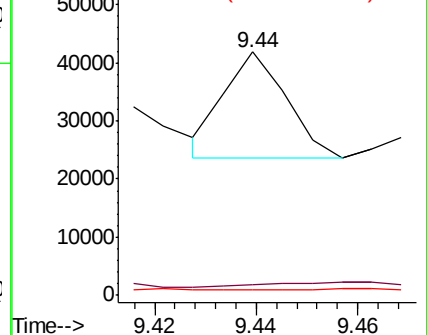
89 2.3 44.6 66.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.013 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.04 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:165 Resp: 33003

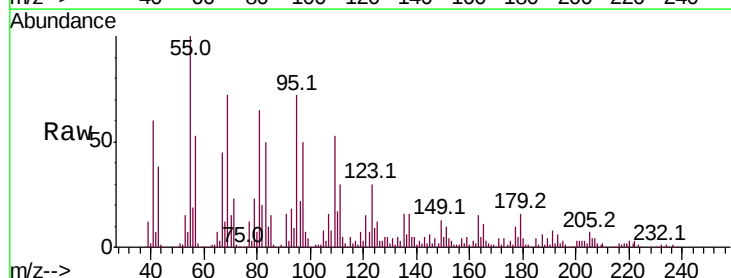
Ion Ratio Lower Upper

165 100

63 8.6 51.8 77.8#

89 7.8 64.2 96.4#

182 5.3 2.0 3.0#

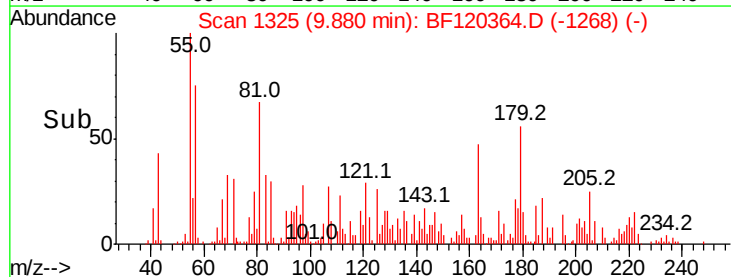
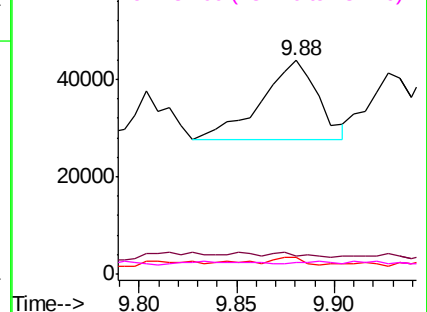


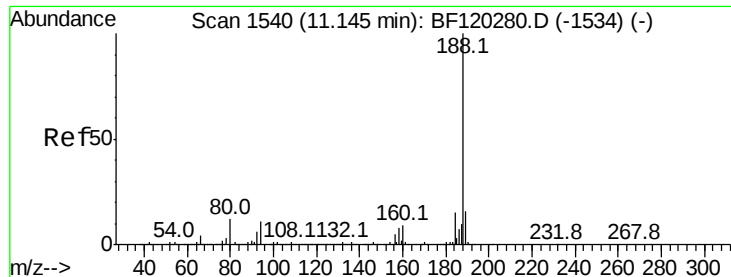
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.14 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampleId :

VNJ-214

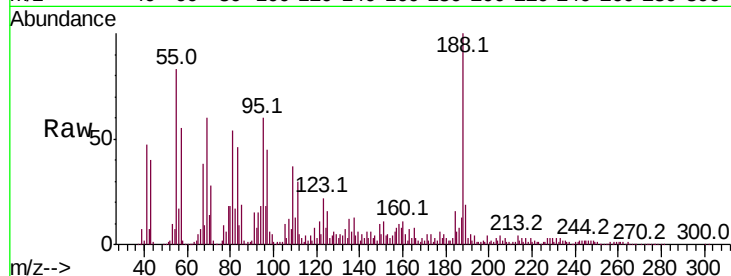
Tot Ion:188 Resp: 565271

Ion Ratio Lower Upper

188 100

94 17.8 8.6 13.0#

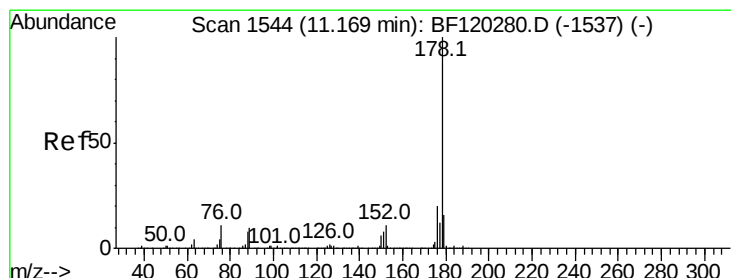
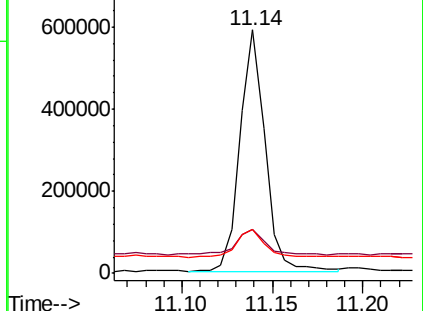
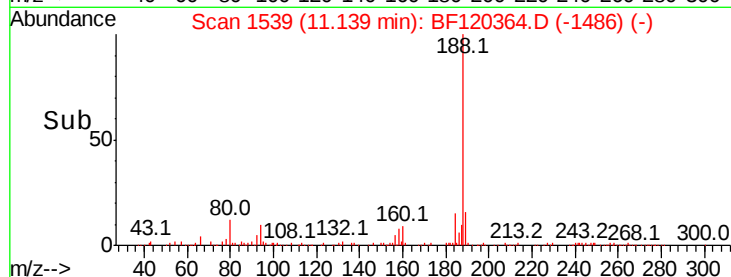
80 18.2 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 6.522 ng

RT: 11.16 min Scan# 1543

Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

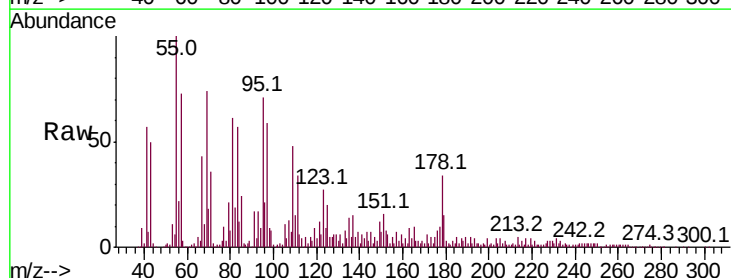
Tgt Ion:178 Resp: 154913

Ion Ratio Lower Upper

178 100

176 22.1 15.8 23.8

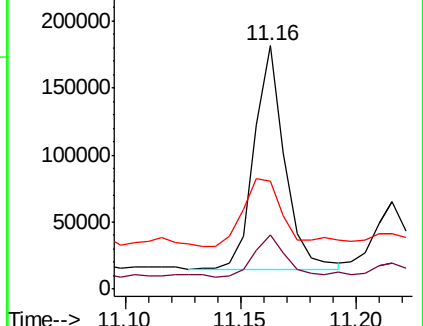
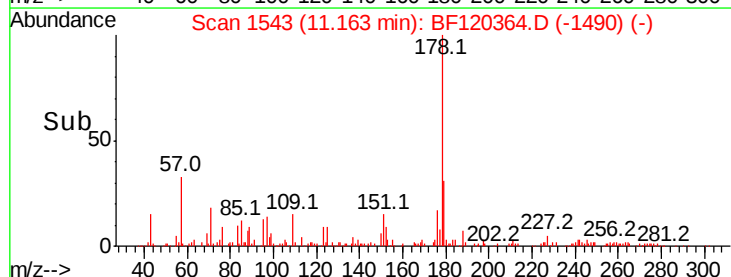
179 44.2 12.8 19.2#

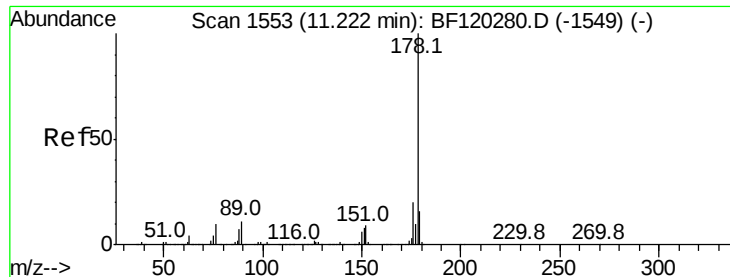


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

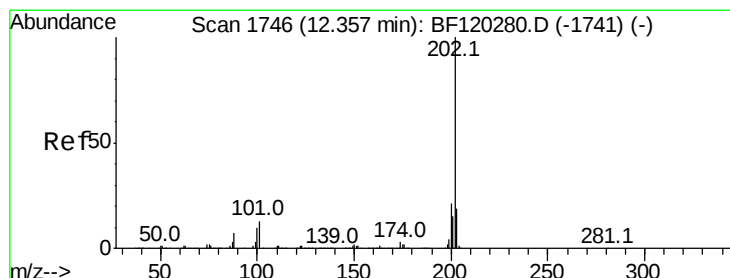
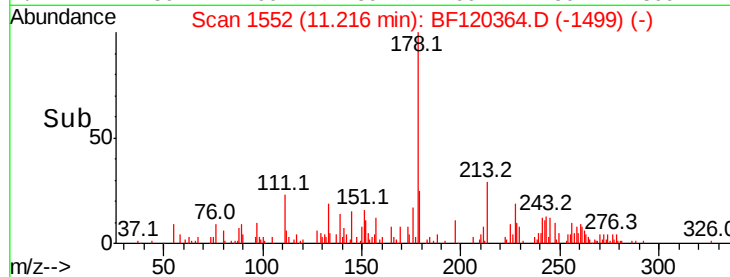
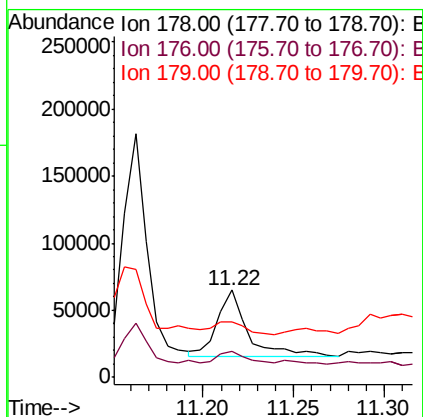
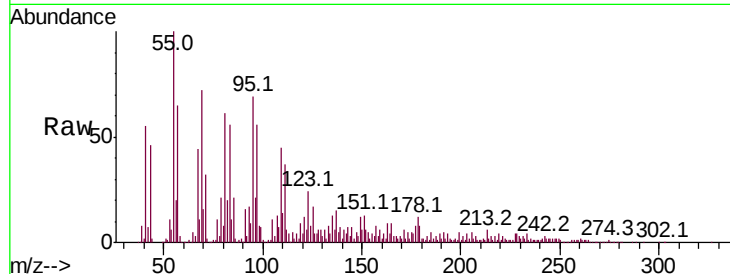




#72
 Anthracene
 Concen: 2.289 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.01 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

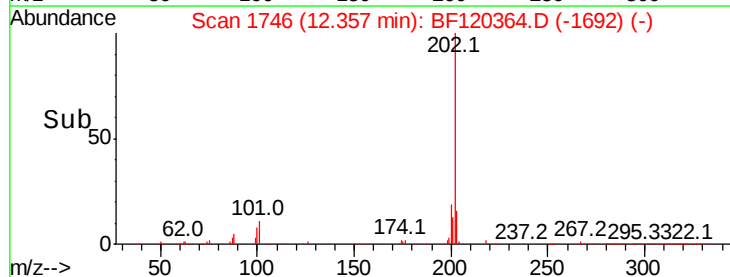
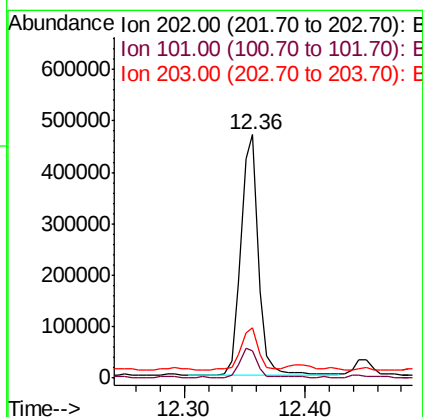
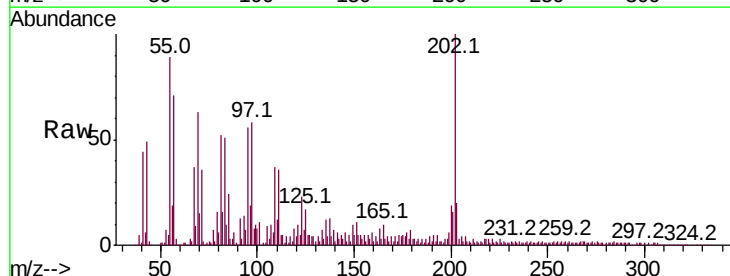
Instrument :
 BNA_F
 ClientSampleID :
 VNJ-214

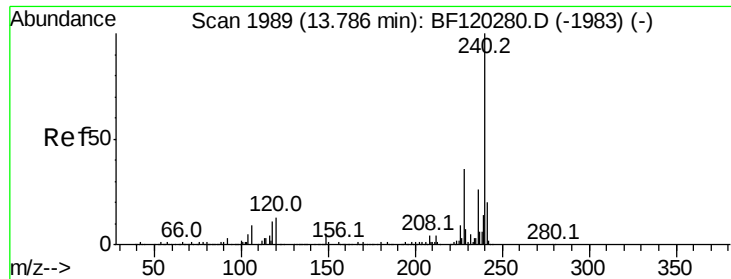
Tot Ion:178 Resp: 58218
 Ion Ratio Lower Upper
 178 100
 176 30.0 15.7 23.5#
 179 63.5 13.0 19.6#



#75
 Fluoranthene
 Concen: 18.773 ng
 RT: 12.36 min Scan# 1746
 Delta R.T. 0.02 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Tgt Ion:202 Resp: 477942
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.2
 203 20.5 0.0 39.1

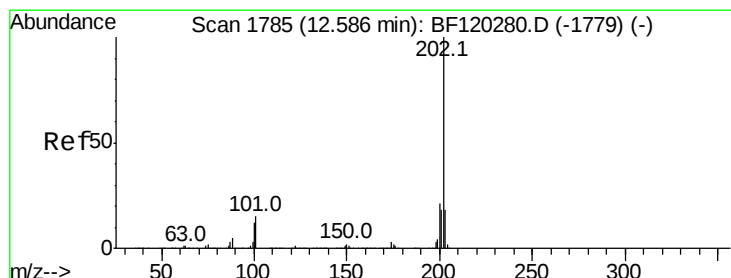
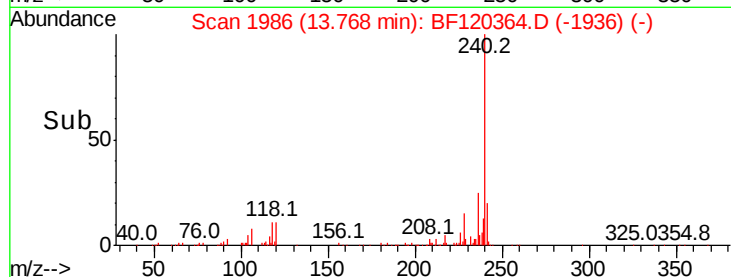
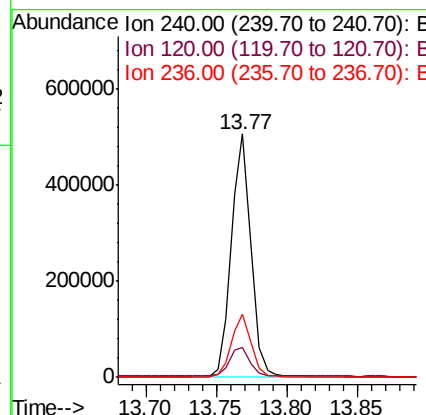
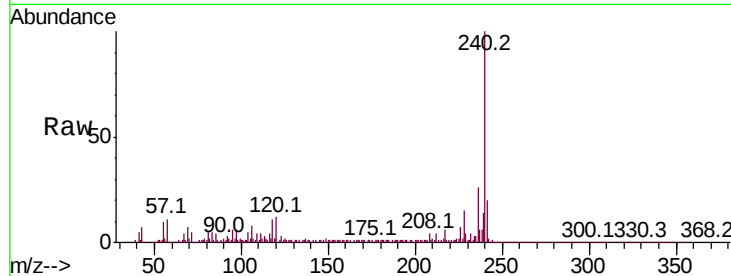




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

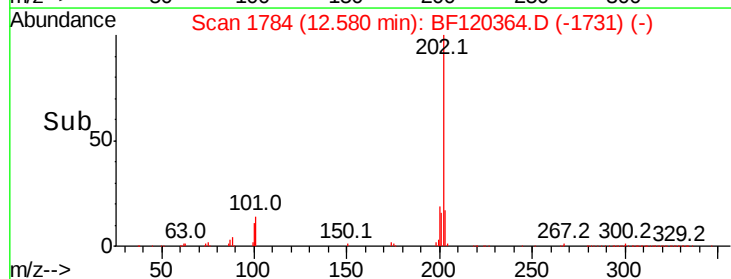
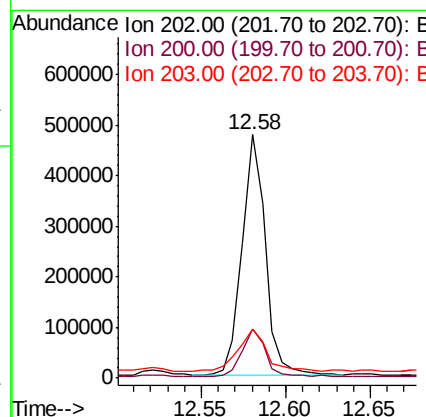
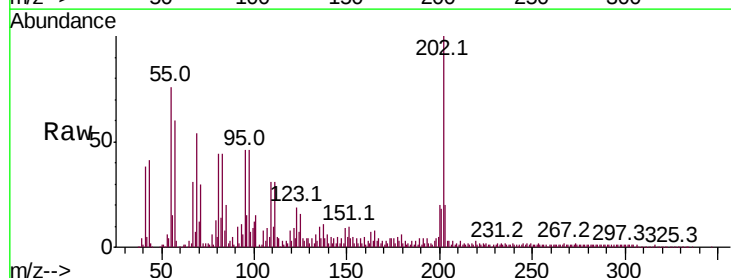
Instrument :
BNA_F
ClientSampleId :
VNJ-214

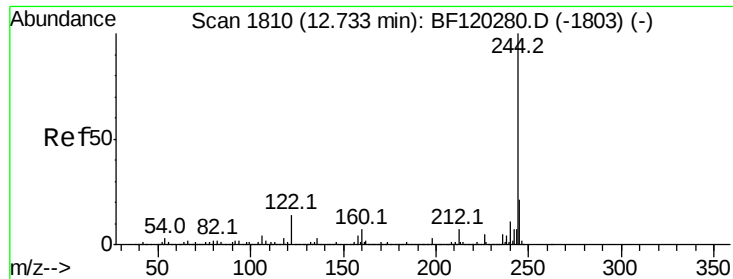
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.4	15.6
236	25.8	21.0	31.6



#78
Pyrene
Concen: 13.301 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.6	25.0
203	20.3	14.6	22.0





#79

Terphenyl-d14

Concen: 31.851 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampleId :

VNJ-214

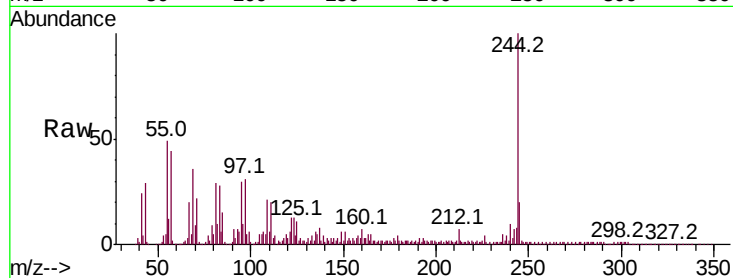
Tot Ion:244 Resp: 700232

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

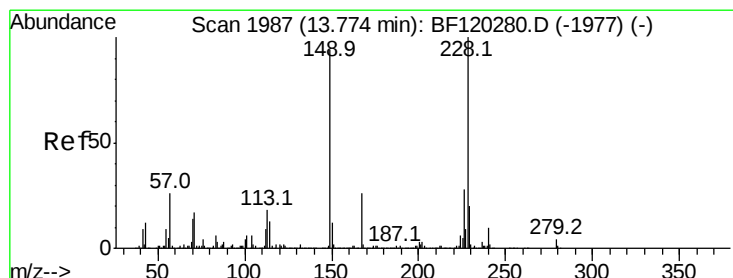
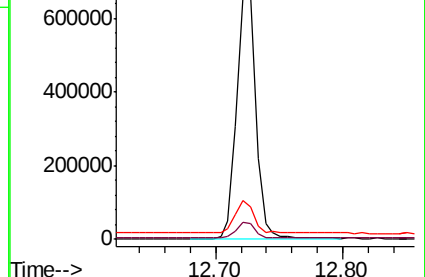
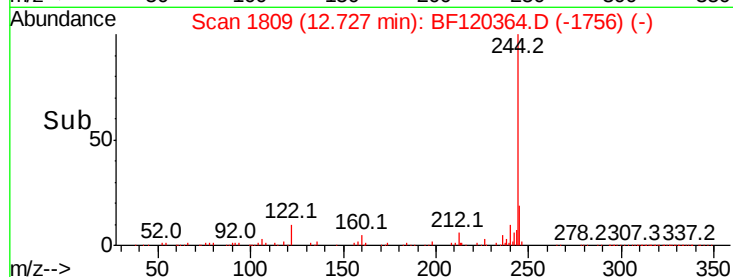
122 13.3 10.8 16.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 11.992 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.03 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

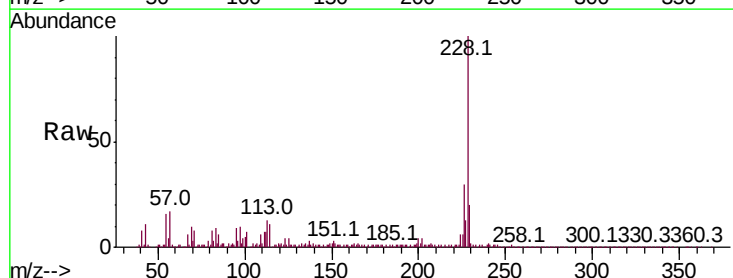
Tgt Ion:228 Resp: 307201

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

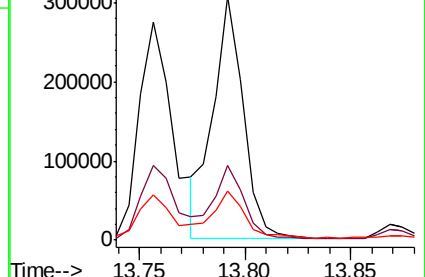
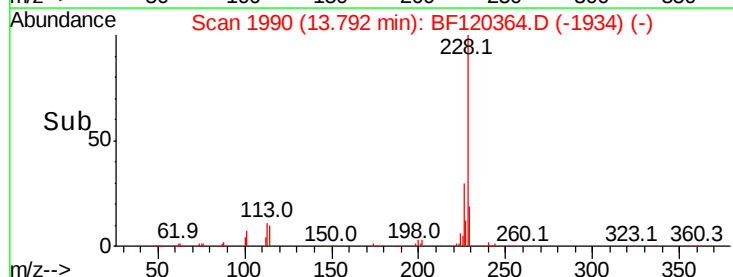
229 20.3 16.4 24.6

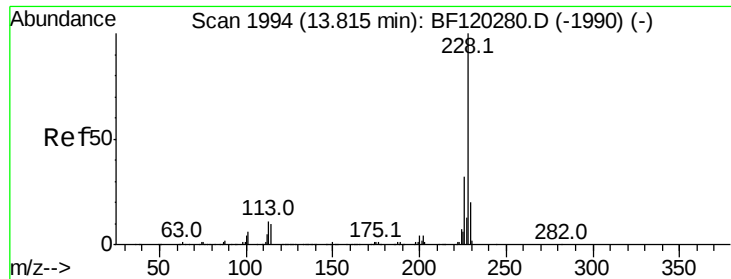


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrvsene

Concen: 11.168 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :

BNA_F

ClientSampleId :

VNJ-214

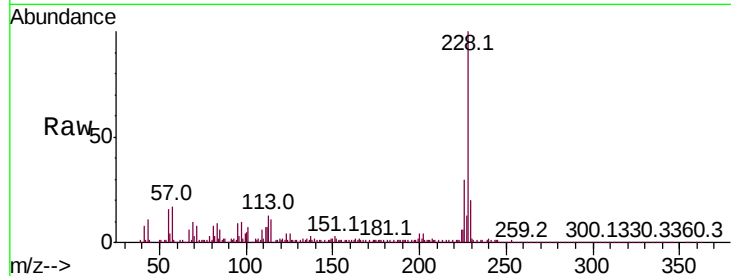
Tot Ion:228 Resp: 307201

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

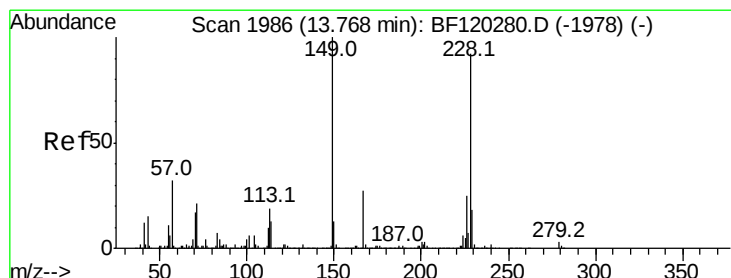
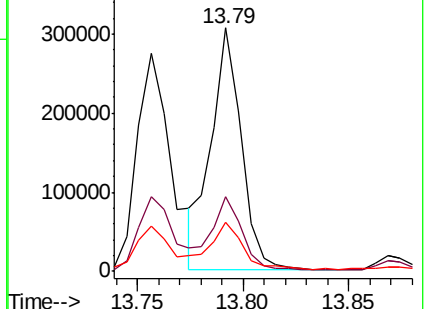
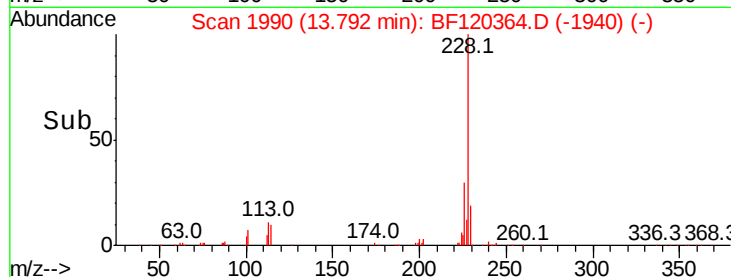
229 20.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.475 ng

RT: 13.75 min Scan# 1983

Delta R.T. -0.01 min

Lab File: BF120364.D

Acq: 19 May 2020 15:21

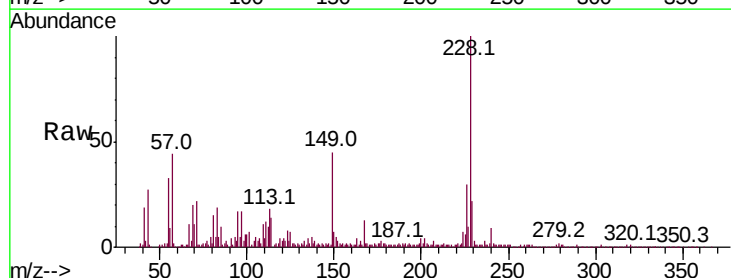
Tgt Ion:149 Resp: 70486

Ion Ratio Lower Upper

149 100

167 28.5 21.8 32.8

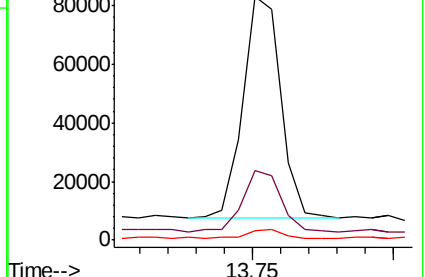
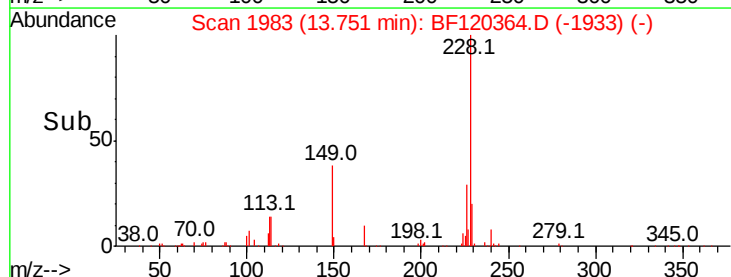
279 3.7 2.8 4.2

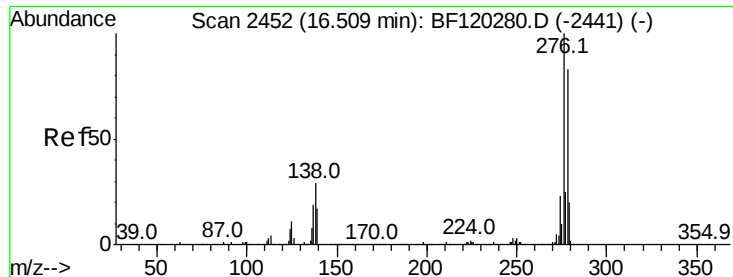


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 9.235 ng

RT: 16.47 min Scan# 2445

Delta R.T. -0.01 min

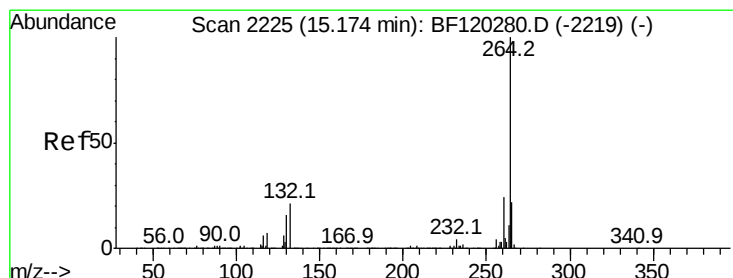
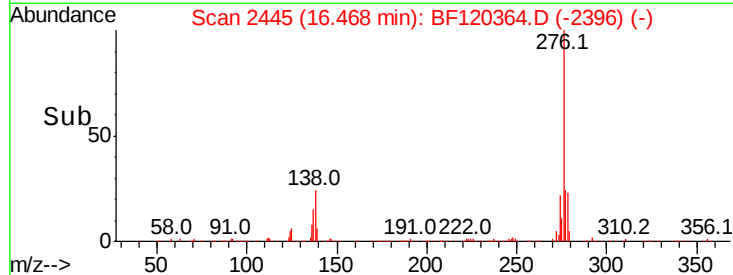
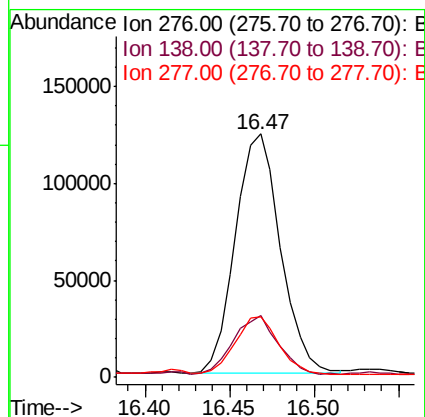
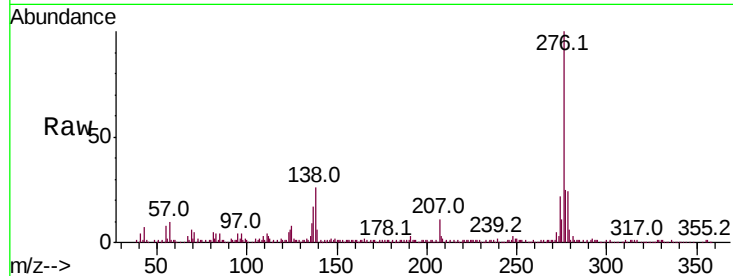
Lab File: BF120364.D

Acq: 19 May 2020 15:21

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tot Ion:276 Resp: 230572

Ion	Ratio	Lower	Upper
276	100		
138	24.3	23.3	34.9
277	24.7	20.2	30.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.15 min Scan# 2221

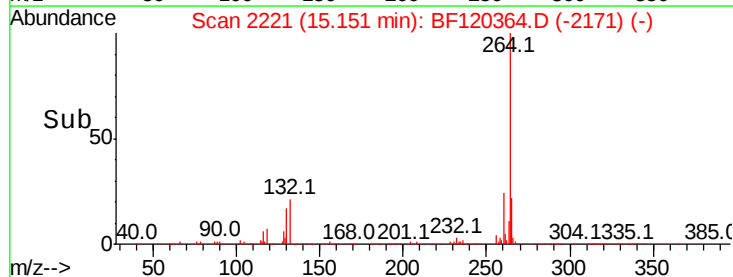
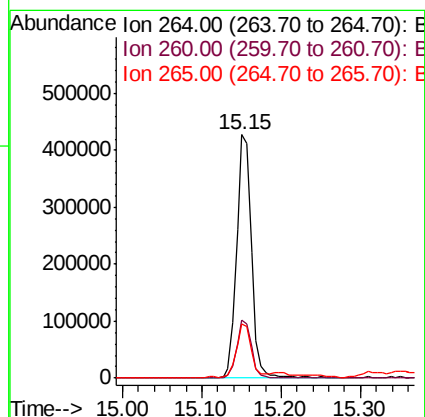
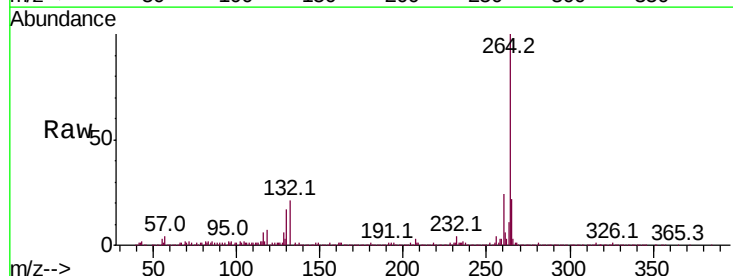
Delta R.T. -0.01 min

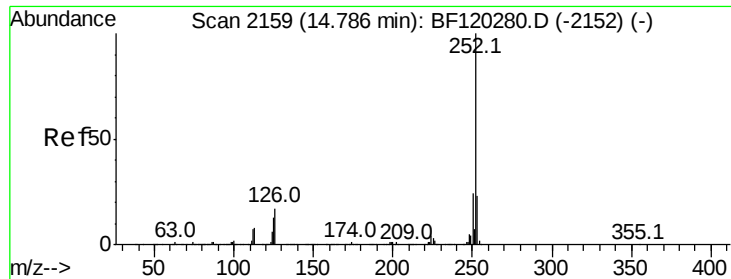
Lab File: BF120364.D

Acq: 19 May 2020 15:21

Tgt Ion:264 Resp: 553285

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.5	17.5	26.3

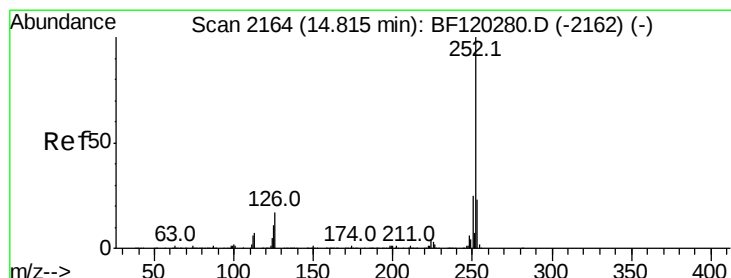
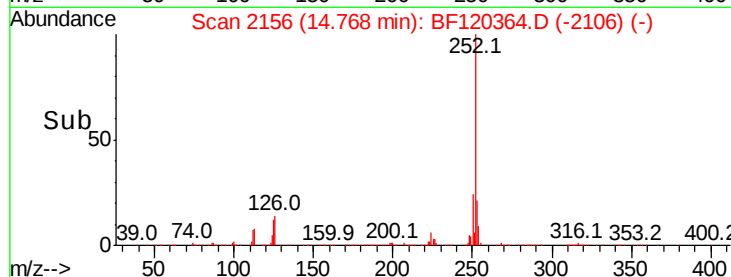
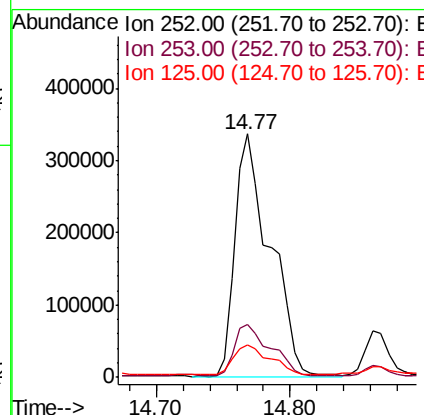
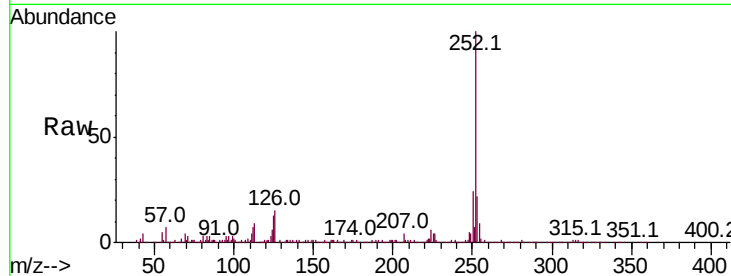




#88
Benzo(b)fluoranthene
Concen: 20.218 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

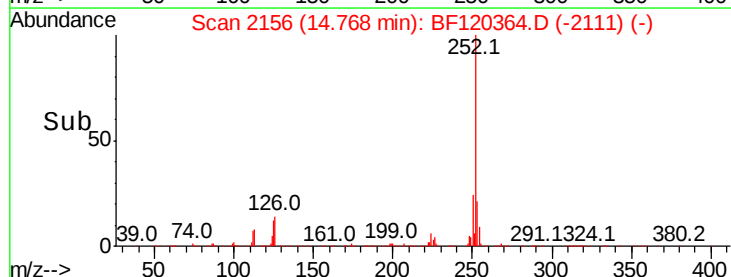
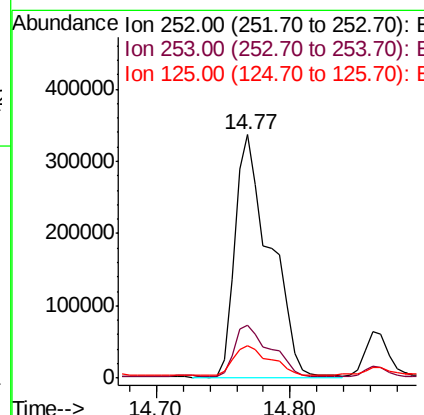
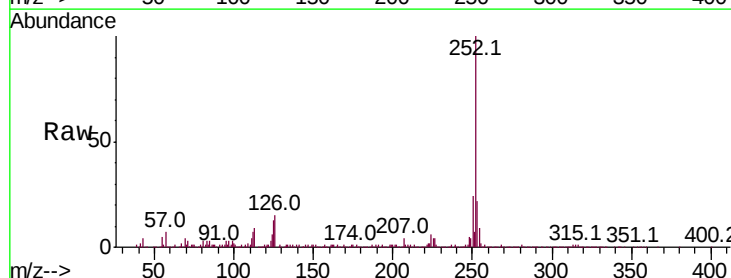
Instrument :
BNA_F
ClientSampleId :
VNJ-214

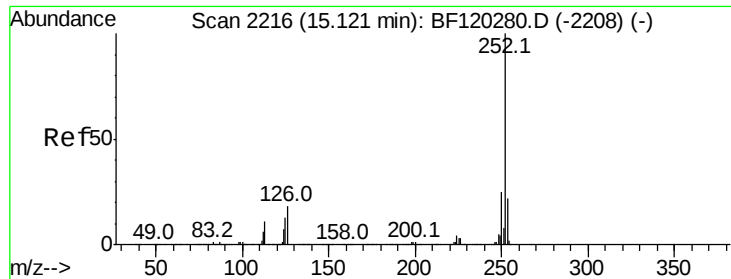
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	13.3	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 23.336 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	13.3	9.9	14.9

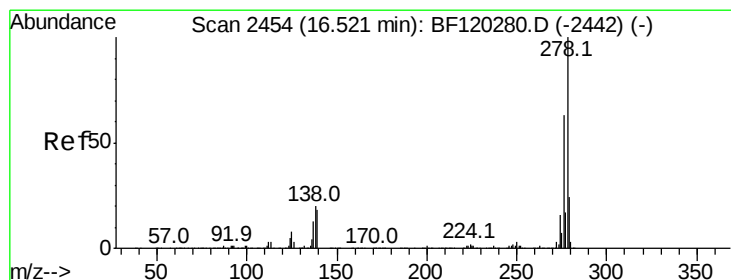
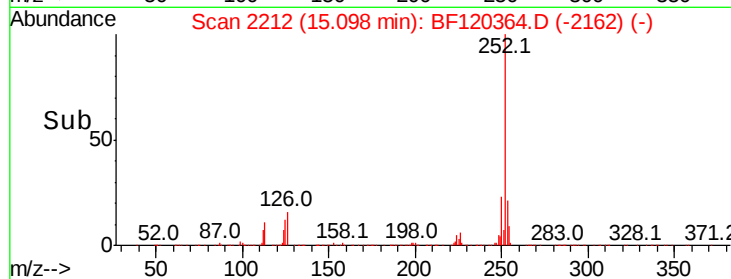
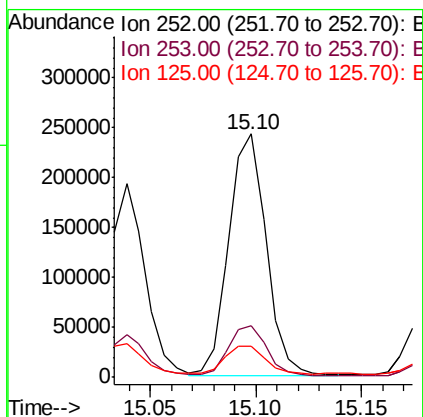
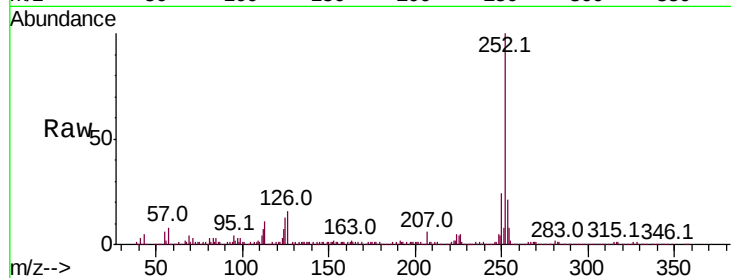




#90
Benzo(a)pyrene
Concen: 10.981 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

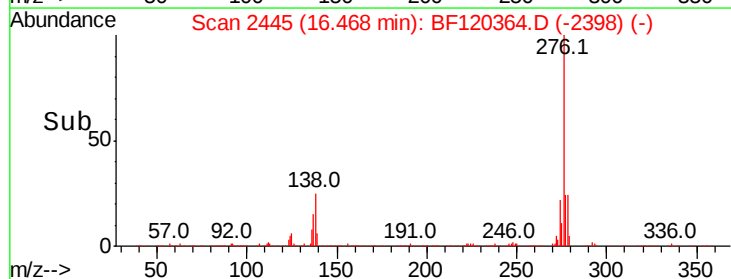
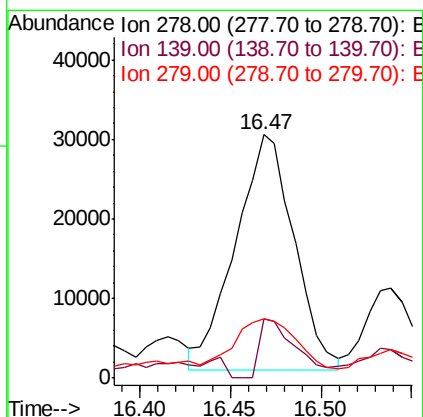
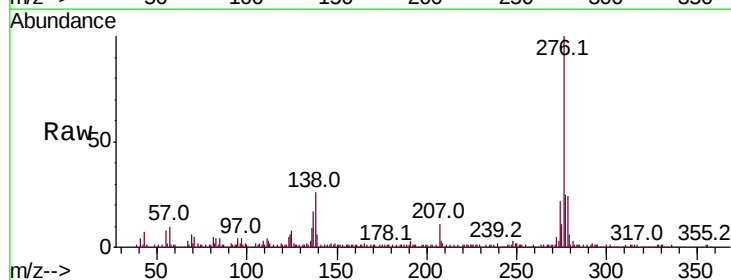
Instrument :
BNA_F
ClientSampleId :
VNJ-214

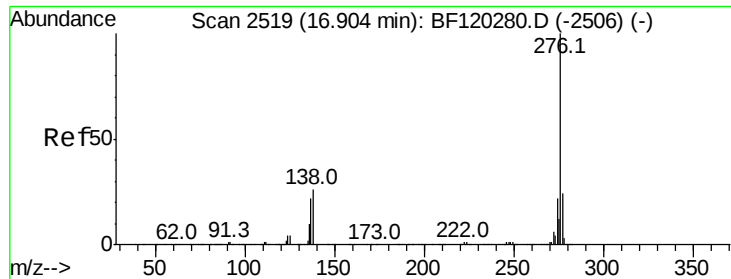
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	12.9	10.6	16.0



#91
Dibenzo(a,h)anthracene
Concen: 2.769 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF120364.D
Acq: 19 May 2020 15:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	14.7	22.1#
279	24.2	19.2	28.8





#92
 Benzo(a,h,i)perylene
 Concen: 9.213 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. -0.02 min
 Lab File: BF120364.D
 Acq: 19 May 2020 15:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.1	28.7
138	25.1	20.8	31.2

