

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120793.D
 Acq On : 7 Jul 2020 17:58
 Operator : JU/CG
 Sample : L3228-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

Quant Time: Jul 08 01:14:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	150385	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	569600	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	286465	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	529247	20.00	ng	0.00
76) Chrysene-d12	14.00	240	353495	20.00	ng	0.00
86) Perylene-d12	15.47	264	297663	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	771069	79.15	ng	0.00
7) Phenol-d6	6.47	99	962931	77.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	658793	67.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	244365	84.91	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1208817	63.84	ng	0.00
79) Terphenyl-d14	12.96	244	1296375	71.80	ng	0.00

Target Compounds

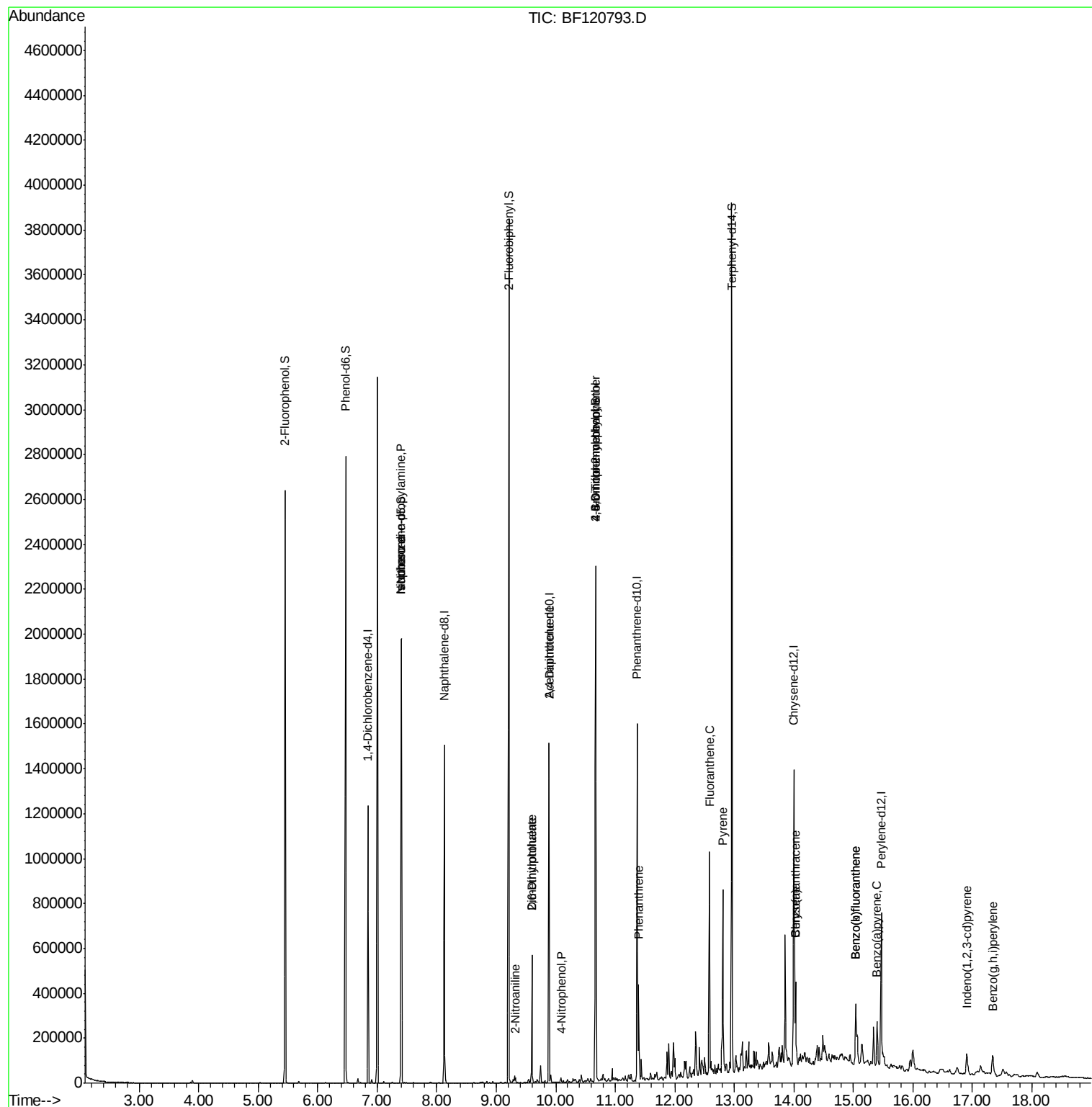
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	89425	11.938	ng	# 80
25) Isophorone	7.40	82	658684	31.067	ng	# 64
48) 2-Nitroaniline	9.32	65	127	2.641	ng	# 5
50) Dimethylphthalate	9.60	163	173614	8.308	ng	99
51) 2,6-Dinitrotoluene	9.60	165	1904	2.714	ng	# 9
56) 4-Nitrophenol	10.09	139	1980	2.594	ng	# 5
57) 2,4-Dinitrotoluene	9.89	165	36673	9.709	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	701	7.277	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	15266	2.487	ng	# 1
71) Phenanthrene	11.39	178	144513	5.032	ng	98
75) Fluoranthene	12.58	202	352033	11.508	ng	98
78) Pyrene	12.81	202	340793	12.071	ng	99
81) Benzo(a)anthracene	14.03	228	138036	6.092	ng	96
83) Chrysene	14.03	228	138036	5.972	ng	99
87) Indeno(1,2,3-cd)pyrene	16.90	276	66021	3.458	ng	98
88) Benzo(b)fluoranthene	15.04	252	187777	9.596	ng	# 96
89) Benzo(k)fluoranthene	15.04	252	187777	9.861	ng	# 96
90) Benzo(a)pyrene	15.40	252	93034	5.329	ng	97
92) Benzo(a,h,i)perylene	17.34	276	72466	4.983	ng	96

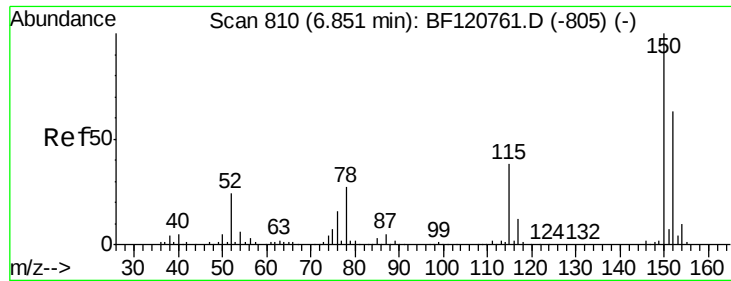
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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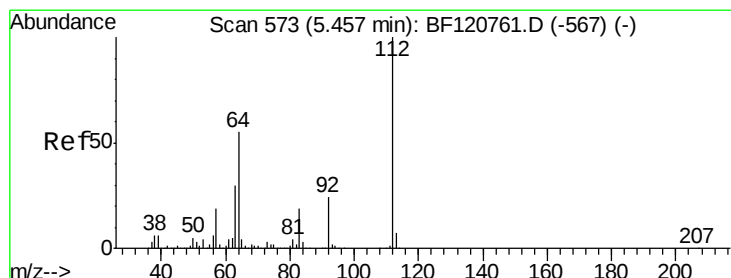
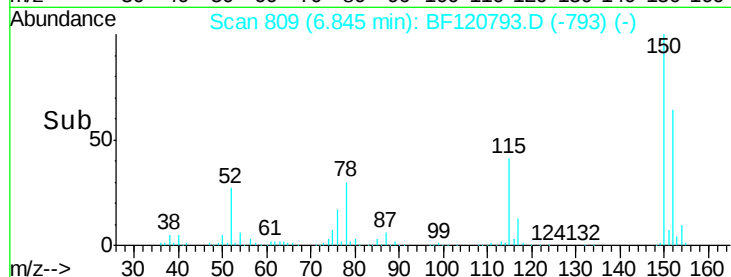
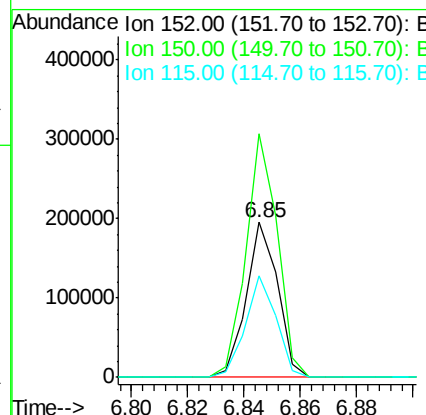
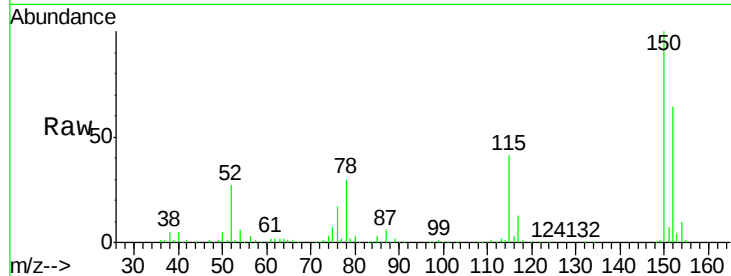


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Instrument :
BNA_F
ClientSampleId :
VNJ-217

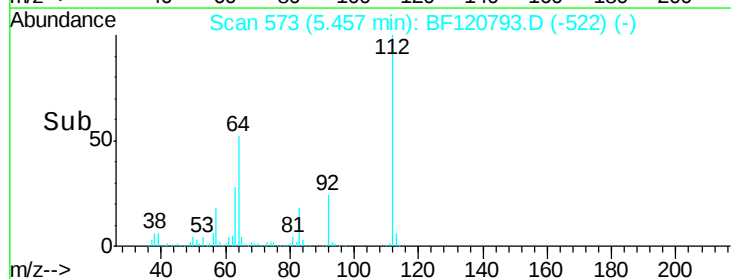
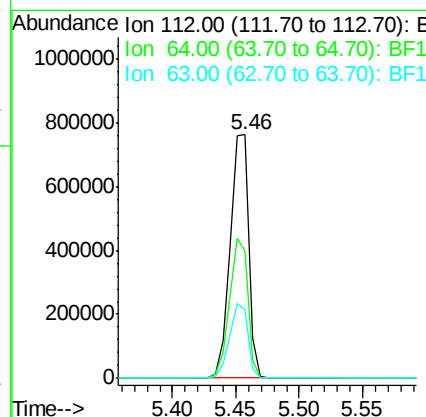
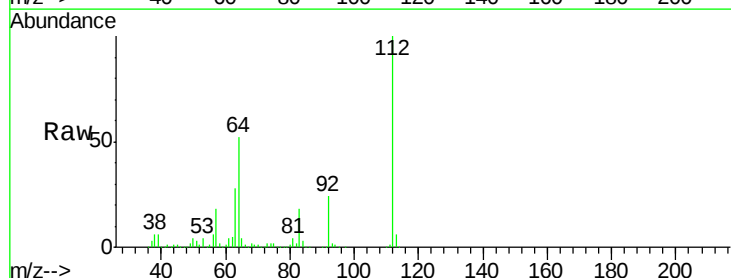
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.1	189.1
115	65.2	48.5	72.7



#5

2-Fluorophenol
Concen: 79.148 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	43.8	65.6
63	28.2	23.6	35.4





#7

Phenol-d6

Concen: 77.399 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

Instrument :

BNA_F

ClientSampleId :

VNJ-217

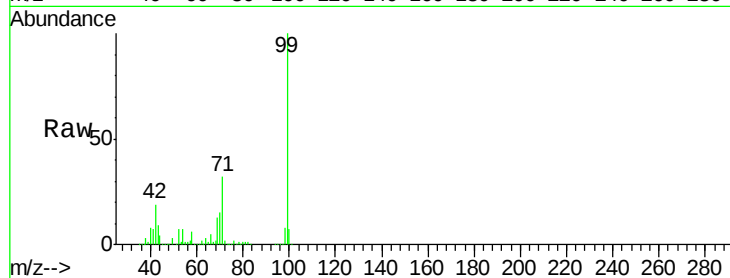
Tot Ion: 99 Resp: 962931

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.0

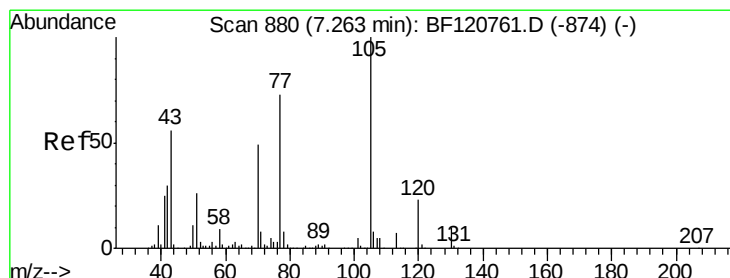
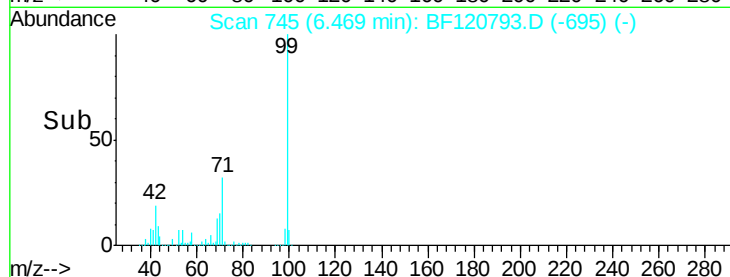
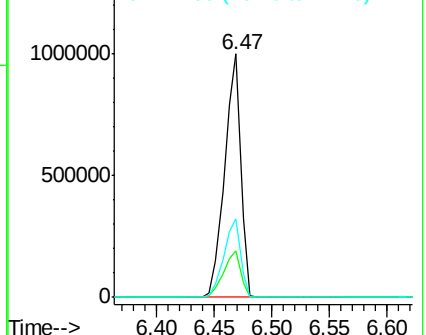
71 32.5 25.9 38.9



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: 11.938 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

Tgt Ion: 70 Resp: 89425

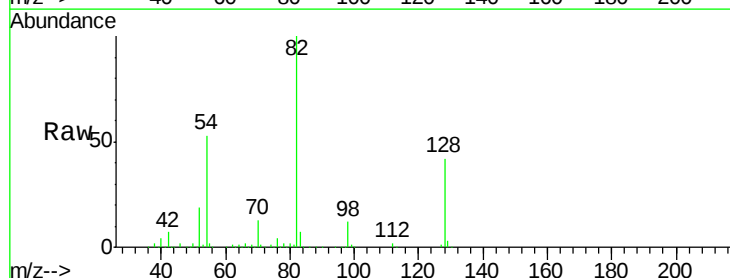
Ion Ratio Lower Upper

70 100

42 52.8 50.3 75.5

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

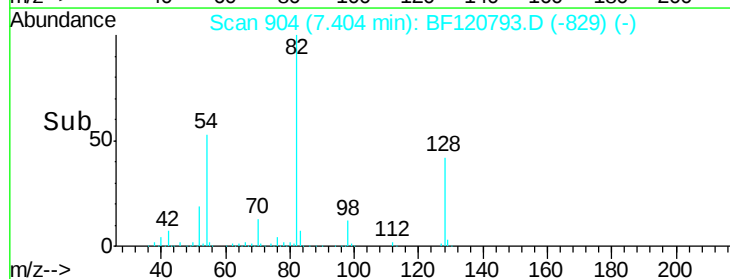
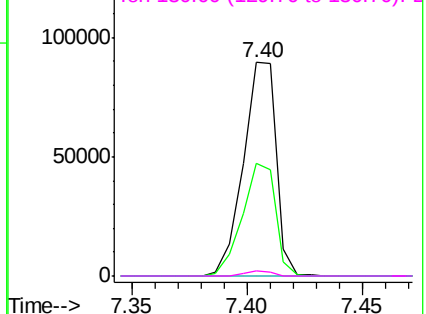


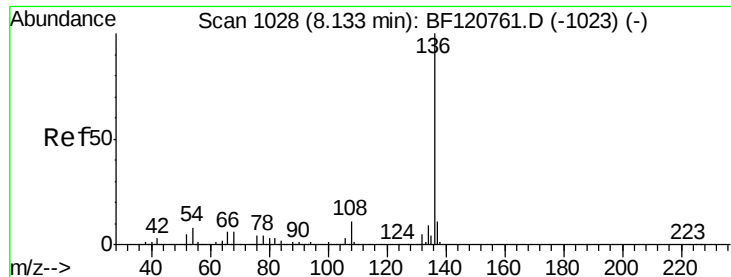
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

Instrument :

BNA_F

ClientSampleId :

VNJ-217

Tot Ion:136 Resp: 569600

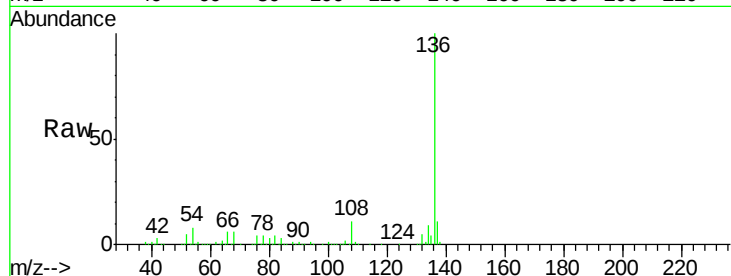
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.5 6.2 9.4

68 5.8 4.7 7.1

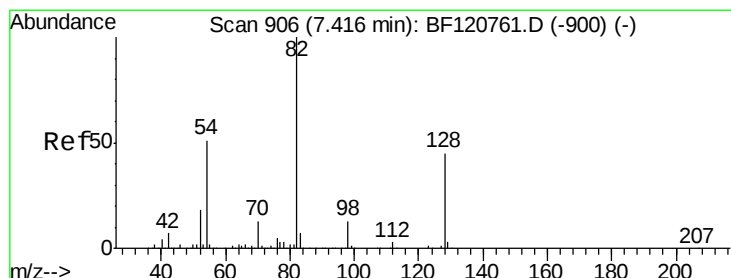
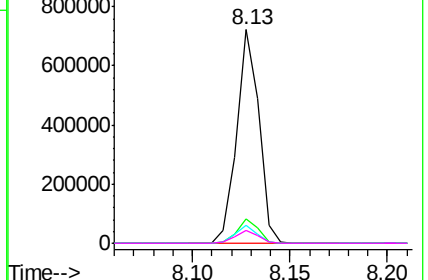
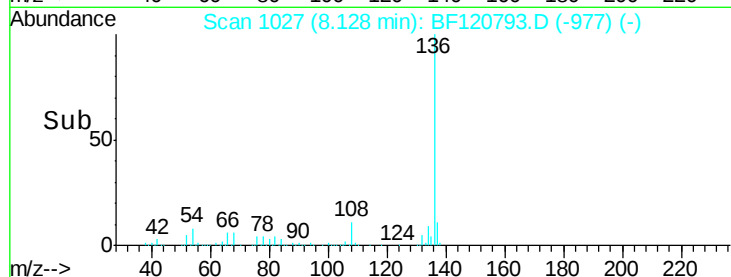


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.010 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

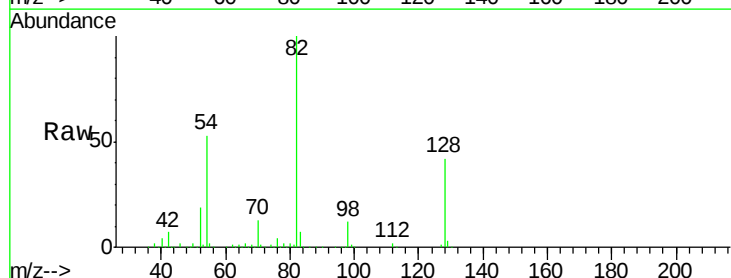
Tgt Ion: 82 Resp: 658793

Ion Ratio Lower Upper

82 100

128 42.0 35.7 53.5

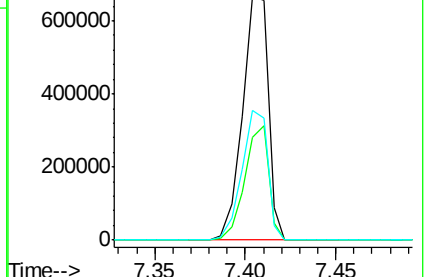
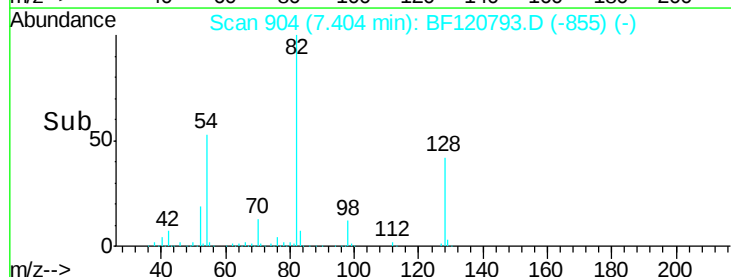
54 53.1 40.9 61.3

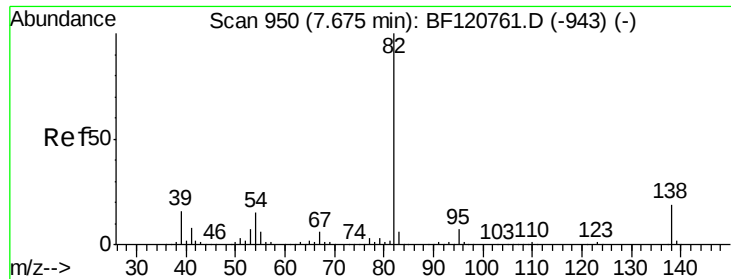


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

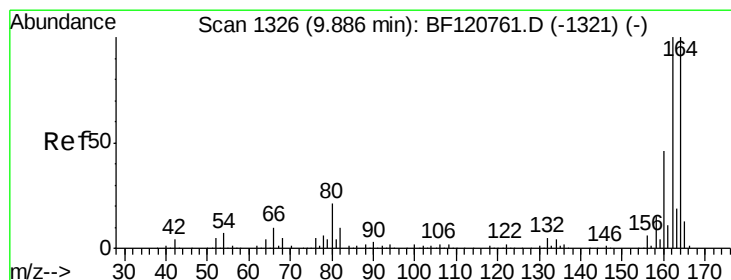
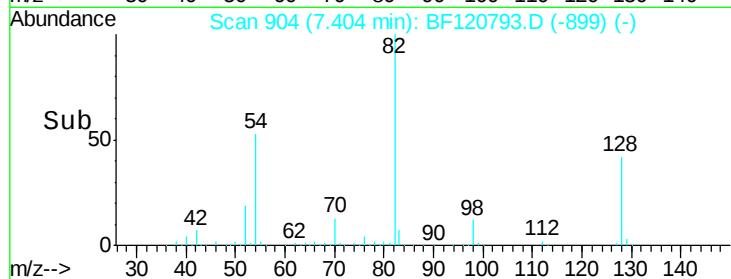
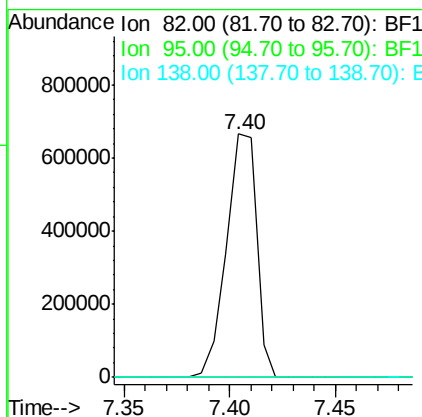
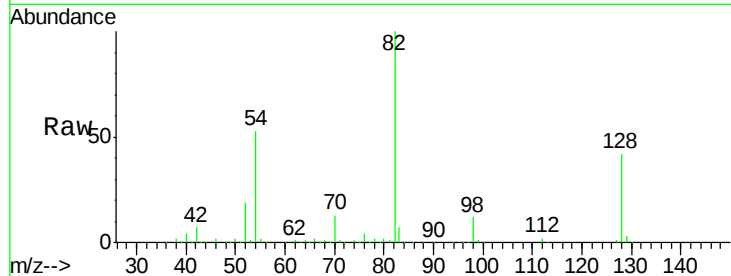




#25
Isophorone
Concen: 31.067 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

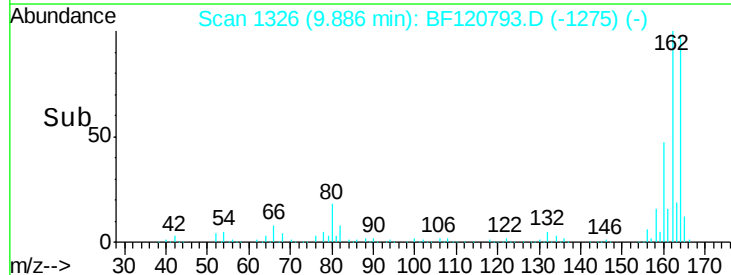
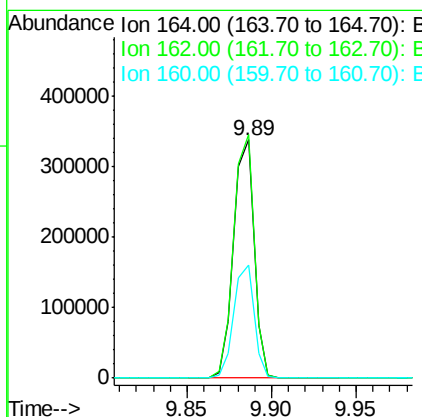
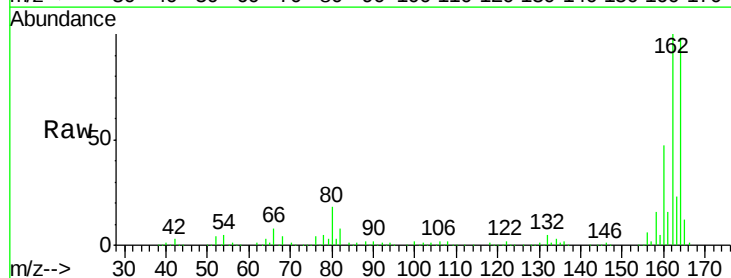
Instrument :
BNA_F
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VNJ-217

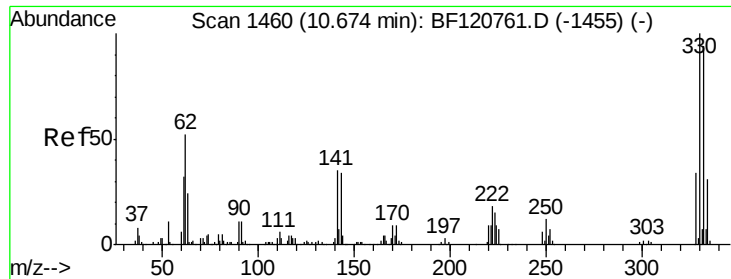
Tot Ion: 82 Resp: 658684
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Tgt Ion: 164 Resp: 286465
Ion Ratio Lower Upper
164 100
162 102.2 80.2 120.2
160 47.7 36.9 55.3

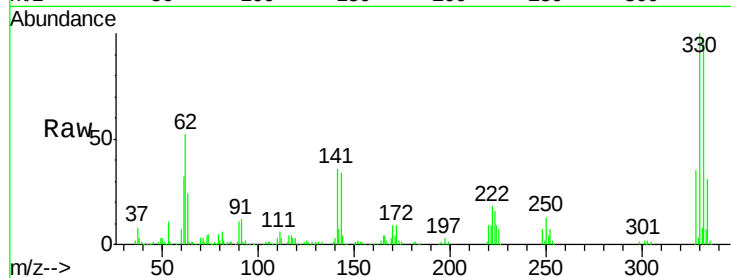




#42
 2,4,6-Tribromophenol
 Concen: 84.909 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.8	113.6
141	36.9	29.7	44.5

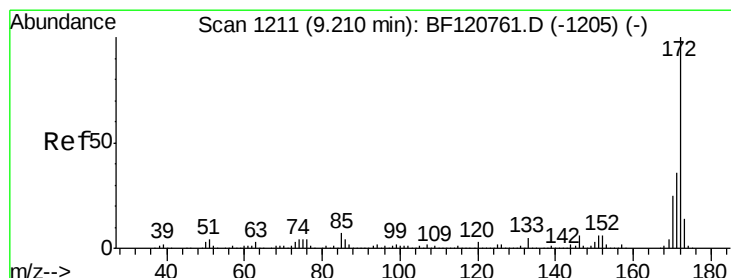
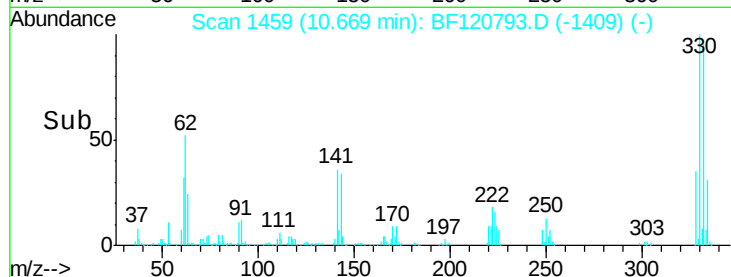
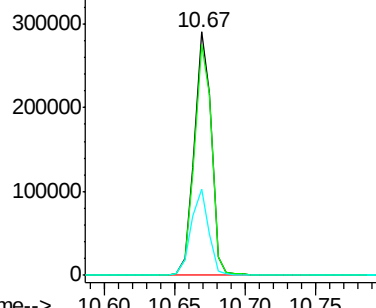


Abundance

Ion 329.80 (329.50 to 330.50): E

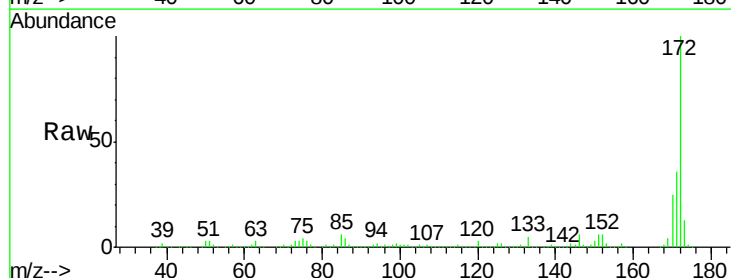
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.843 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.1	43.7
170	24.8	19.8	29.6

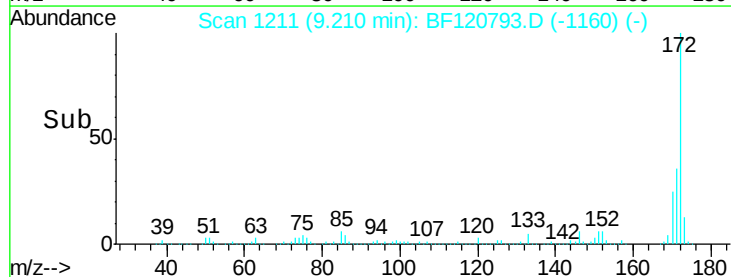
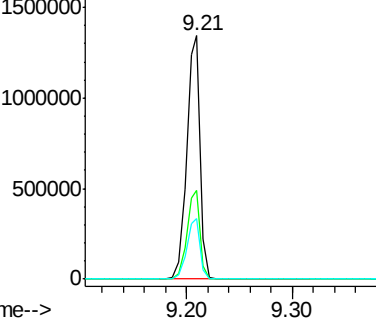


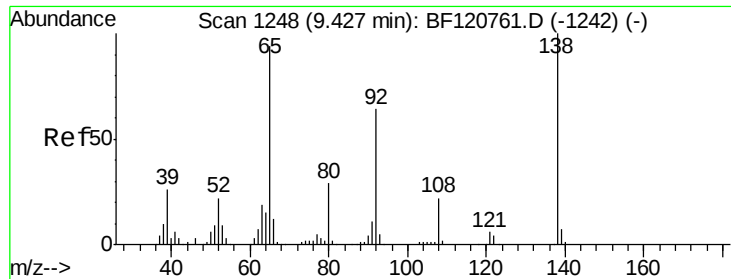
Abundance

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

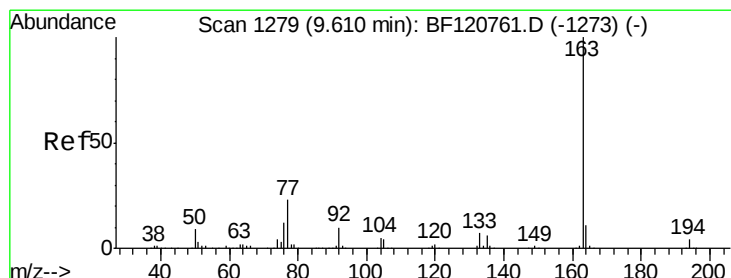
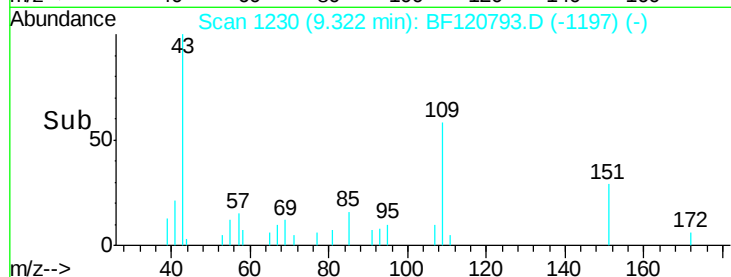
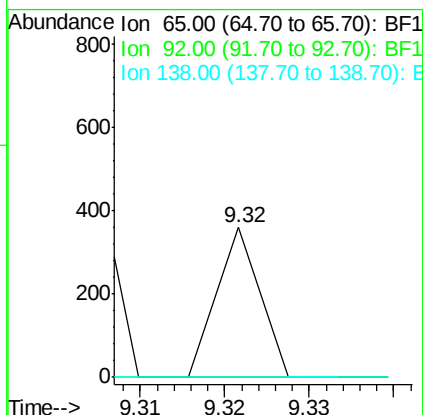
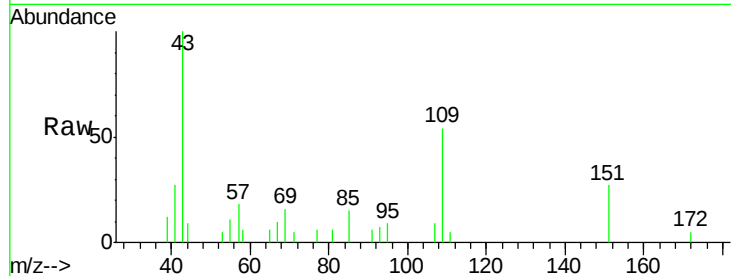




#48
2-Nitroaniline
Concen: 2.641 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.11 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

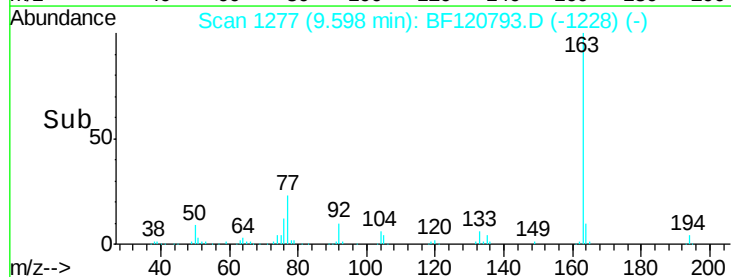
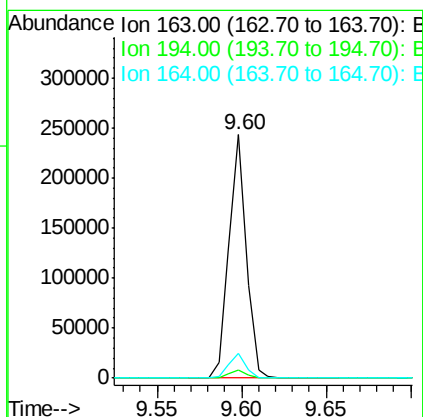
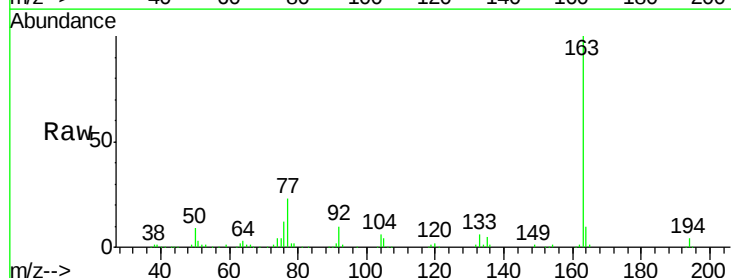
Instrument :
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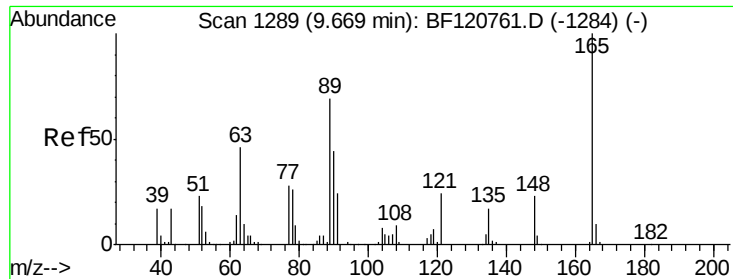
Tot Ion: 65 Resp: 127
Ion Ratio Lower Upper
65 100
92 0.0 54.4 81.6#
138 0.0 84.7 127.1#



#50
Dimethylphthalate
Concen: 8.308 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Tgt Ion: 163 Resp: 173614
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 10.2 8.5 12.7

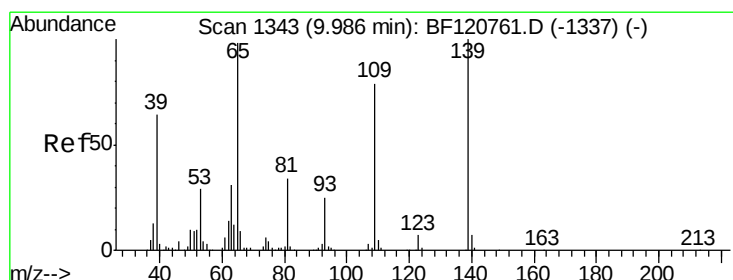
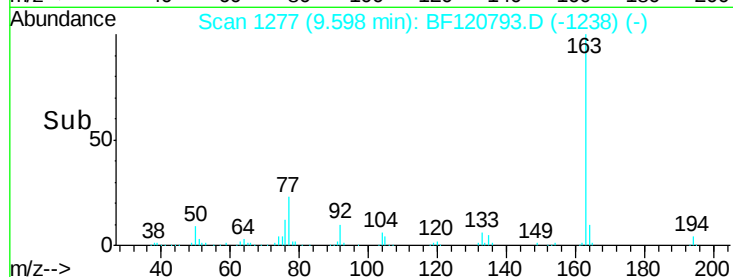
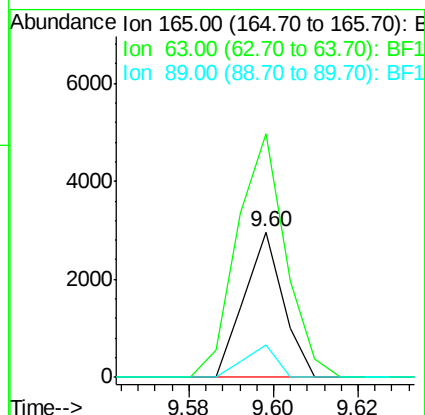
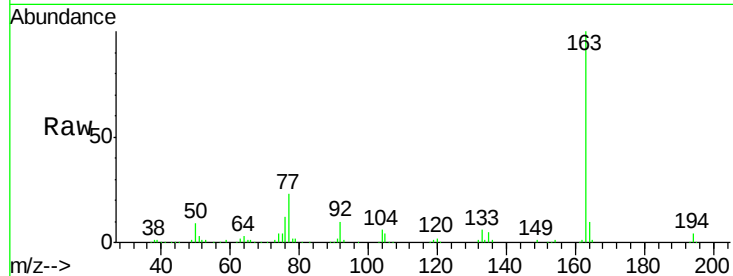




#51
 2,6-Dinitrotoluene
 Concen: 2.714 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.07 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

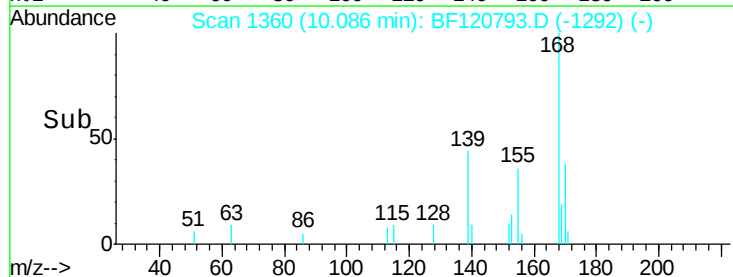
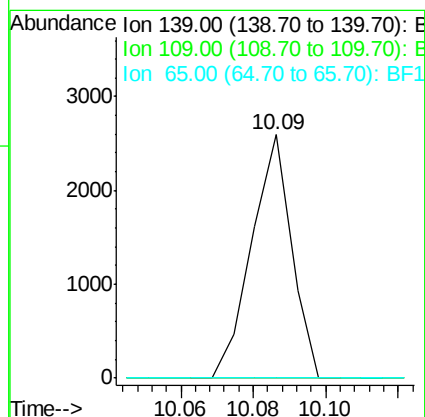
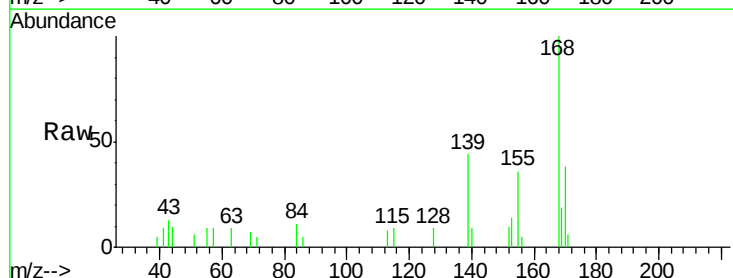
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

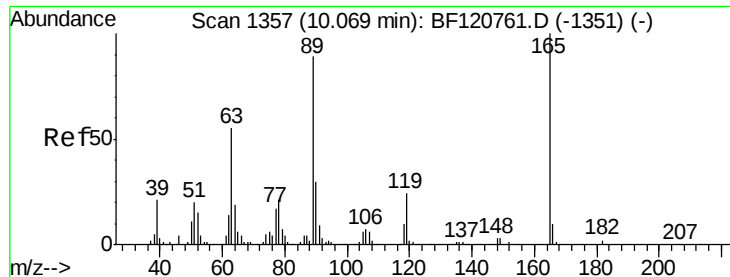
Tot Ion:165 Resp: 1904
 Ion Ratio Lower Upper
 165 100
 63 167.7 54.0 81.0#
 89 21.9 55.4 83.2#



#56
 4-Nitrophenol
 Concen: 2.594 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.10 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Tgt Ion:139 Resp: 1980
 Ion Ratio Lower Upper
 139 100
 109 0.0 58.6 98.6#
 65 0.0 78.7 118.7#

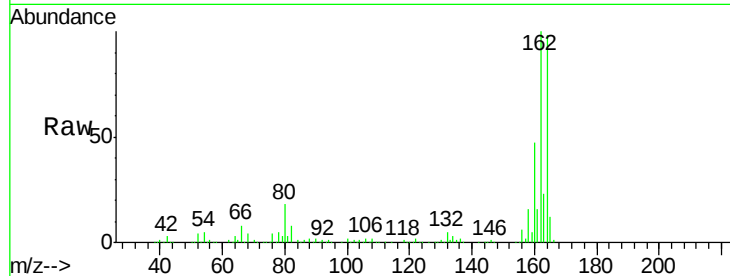




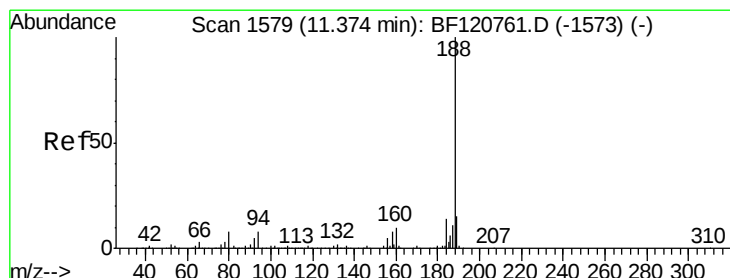
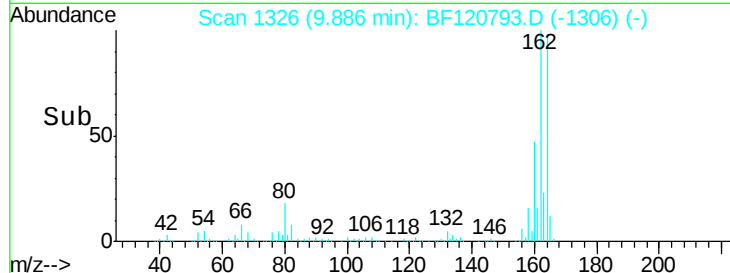
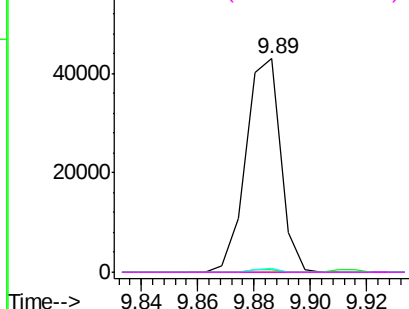
#57
 2,4-Dinitrotoluene
 Concen: 9.709 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.18 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

Tot Ion:165 Resp: 36673
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.8 65.8#
 89 1.6 71.4 107.2#
 182 0.0 1.8 2.6#

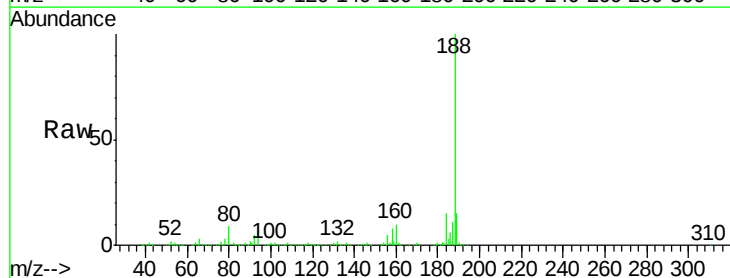


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

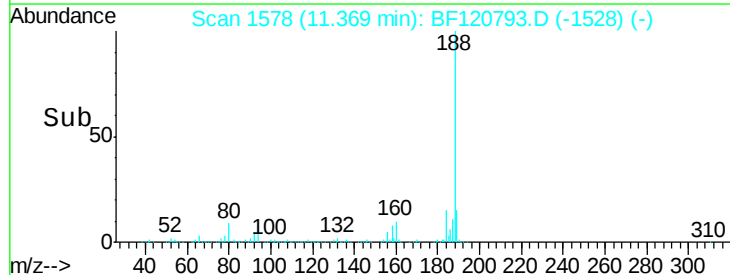
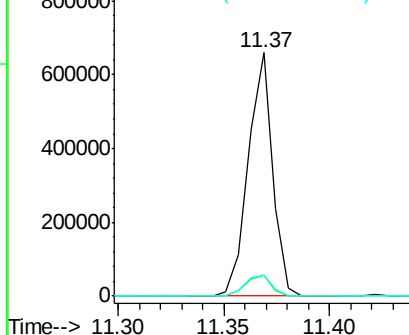


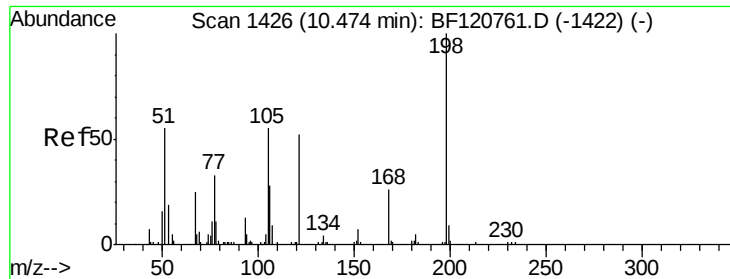
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Tgt Ion:188 Resp: 529247
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.6 9.8
 80 8.8 6.6 10.0



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

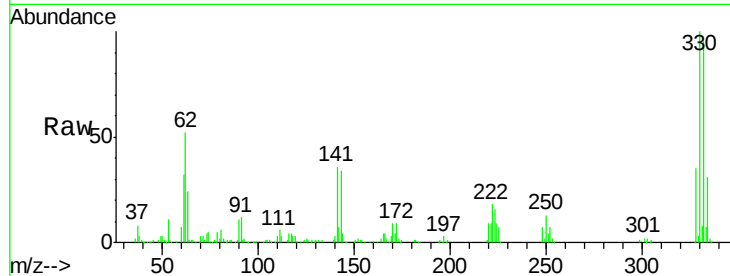




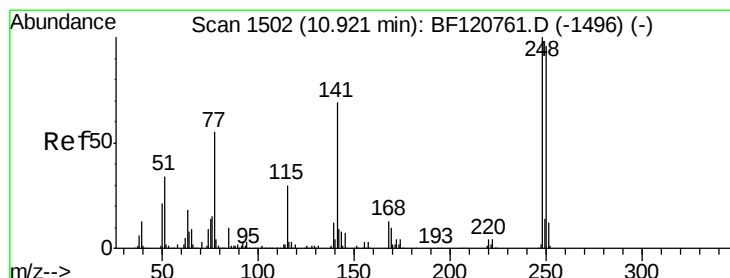
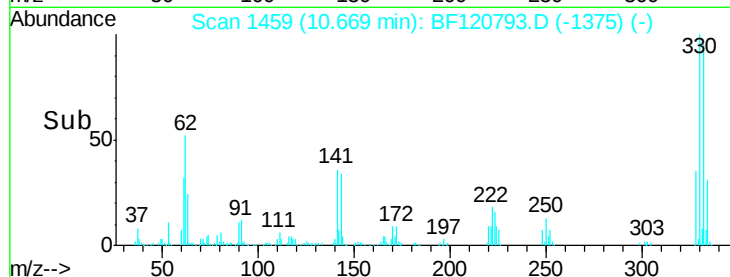
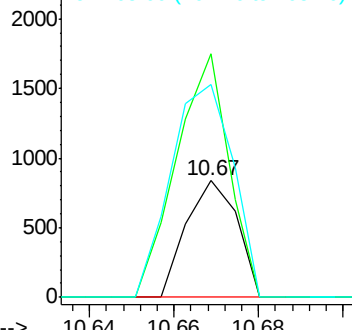
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.277 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

Tot Ion:198 Resp: 701
 Ion Ratio Lower Upper
 198 100
 51 209.1 50.0 90.0#
 105 182.7 38.3 78.3#

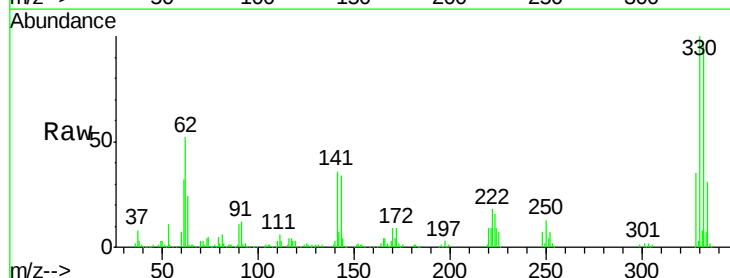


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

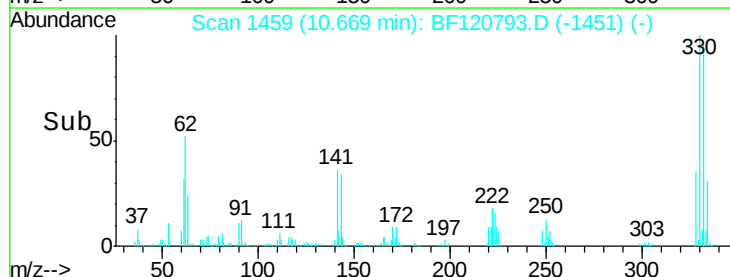
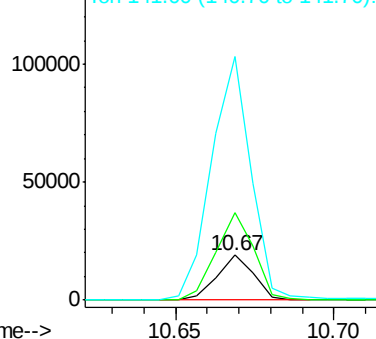


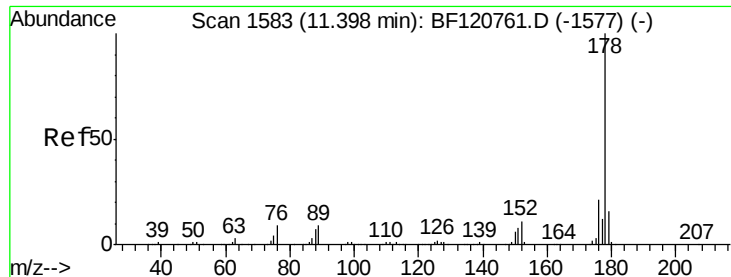
#67
 4-Bromophenyl-phenylether
 Concen: 2.487 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Tgt Ion:248 Resp: 15266
 Ion Ratio Lower Upper
 248 100
 250 193.8 76.5 114.7#
 141 541.5 54.9 82.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.032 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

Instrument :

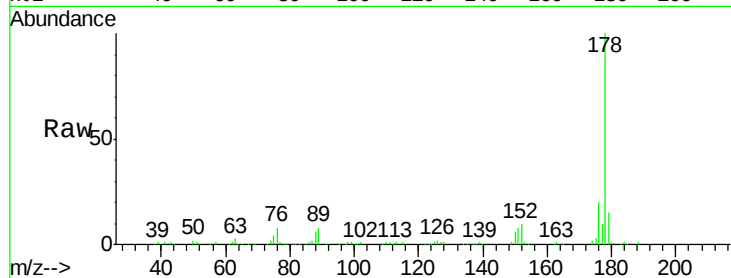
BNA_F

ClientSampleId :

VNJ-217

Tot Ion:178 Resp: 144513

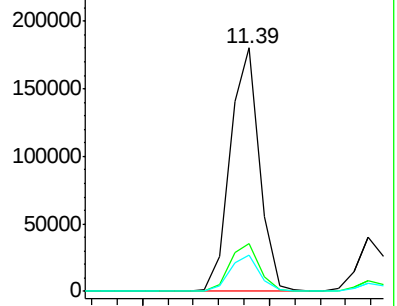
Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.4	24.6
179	14.9	12.9	19.3



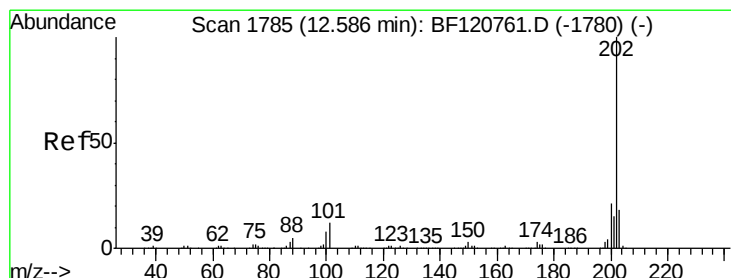
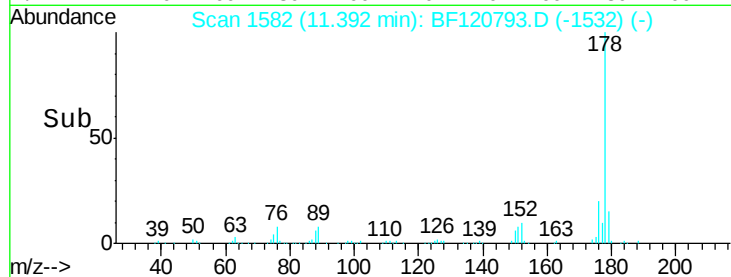
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75

Fluoranthene

Concen: 11.508 ng

RT: 12.58 min Scan# 1784

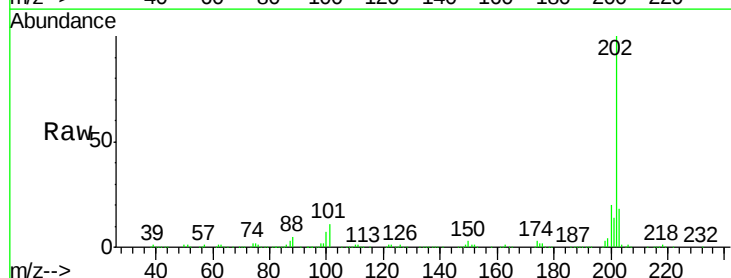
Delta R.T. -0.01 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

Tgt Ion:202 Resp: 352033

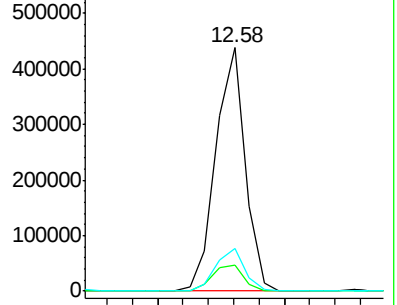
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.6
203	17.6	0.0	38.2



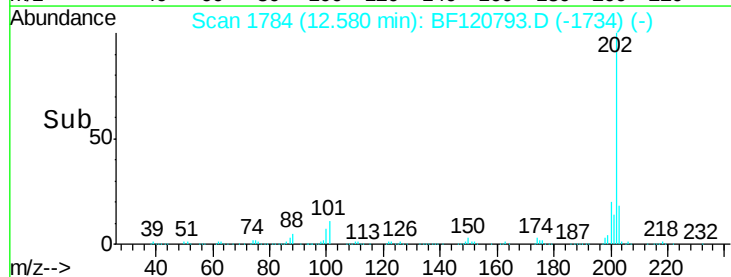
Abundance Ion 202.00 (201.70 to 202.70): E

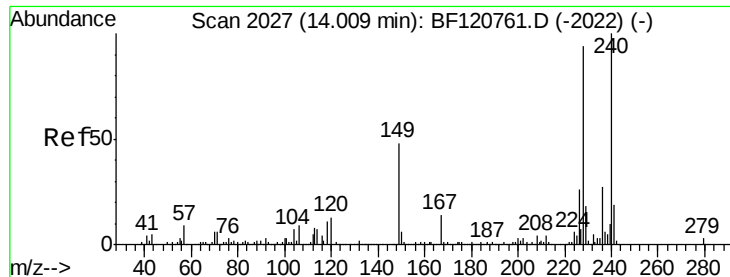
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

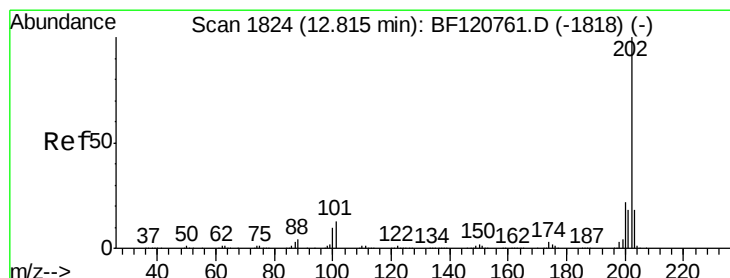
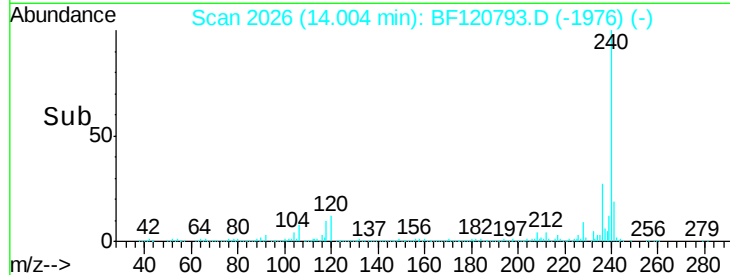
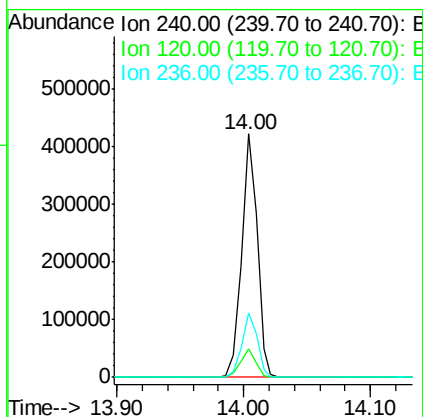
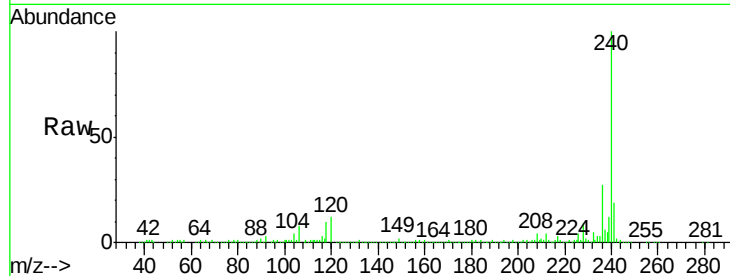




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

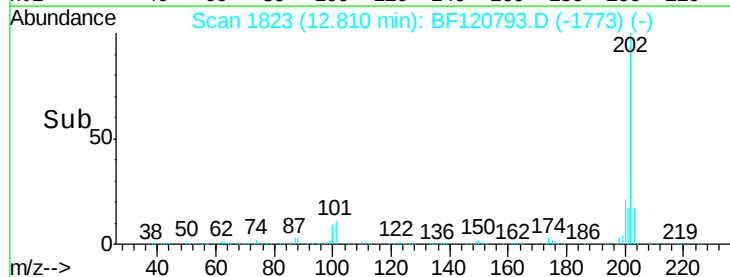
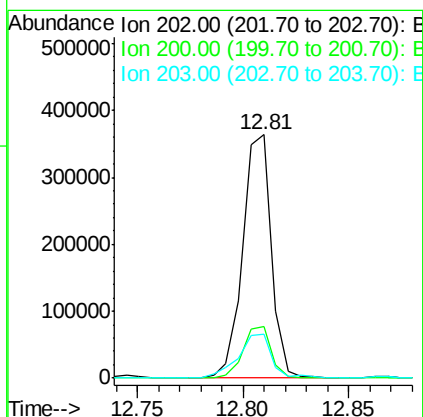
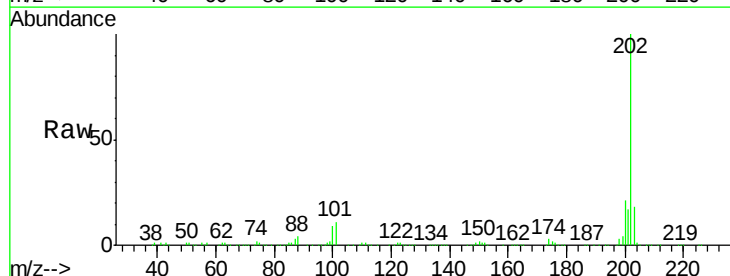
Instrument :
BNA_F
ClientSampled :
VNJ-217

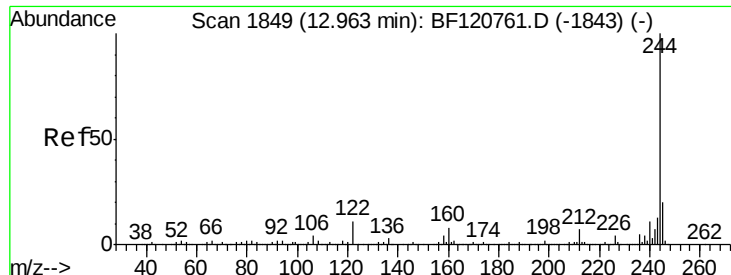
Tot Ion:240 Resp: 353495
Ion Ratio Lower Upper
240 100
120 11.9 10.3 15.5
236 26.7 21.4 32.2



#78
Pyrene
Concen: 12.071 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Tgt Ion:202 Resp: 340793
Ion Ratio Lower Upper
202 100
200 21.4 17.3 25.9
203 18.0 14.6 22.0





#79

Terphenyl-d14

Concen: 71.802 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

Instrument :

BNA_F

ClientSampleId :

VNJ-217

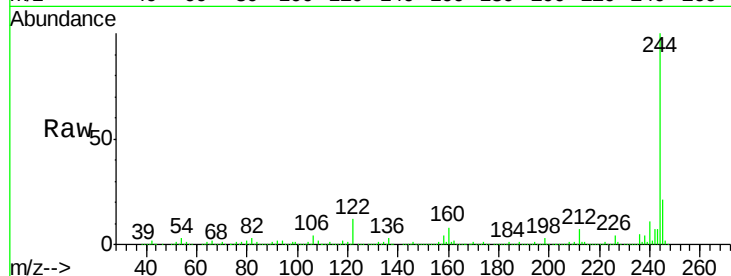
Tot Ion:244 Resp: 1296375

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

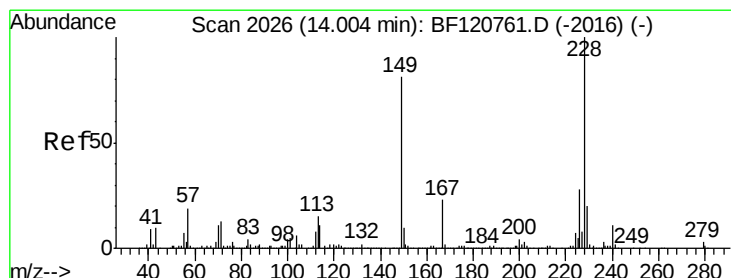
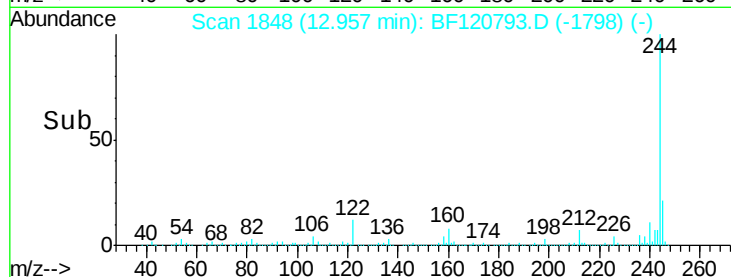
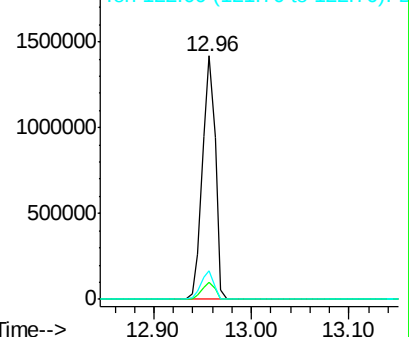
122 11.9 9.0 13.4



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: 6.092 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF120793.D

Acq: 7 Jul 2020 17:58

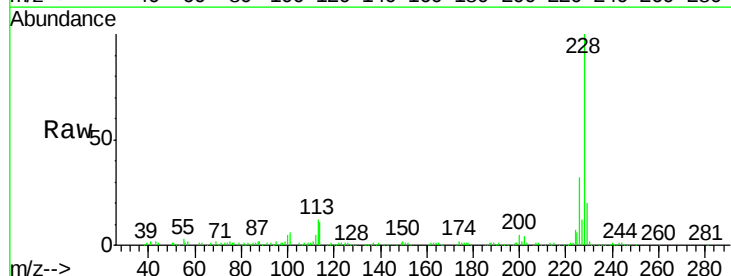
Tgt Ion:228 Resp: 138036

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

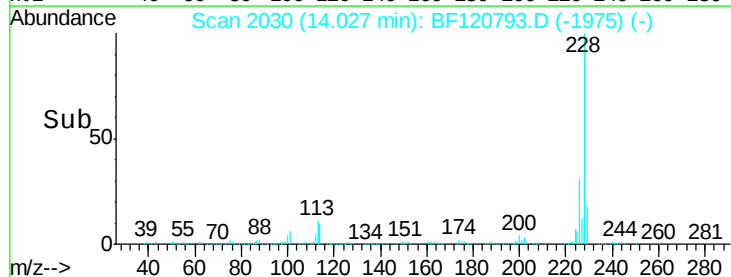
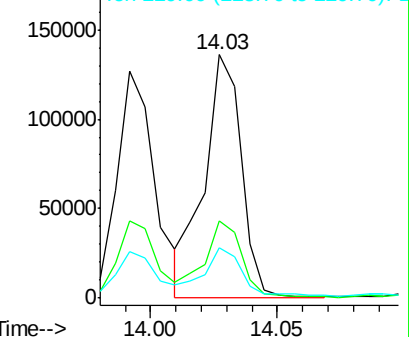
229 20.5 15.8 23.6

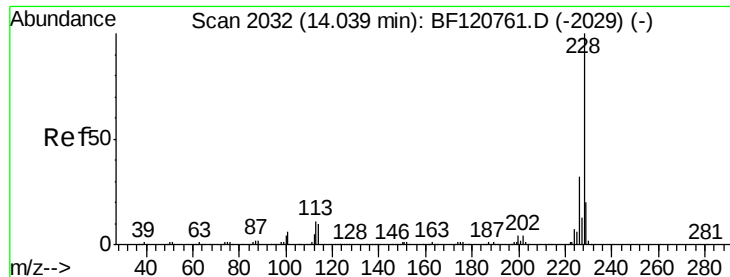


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

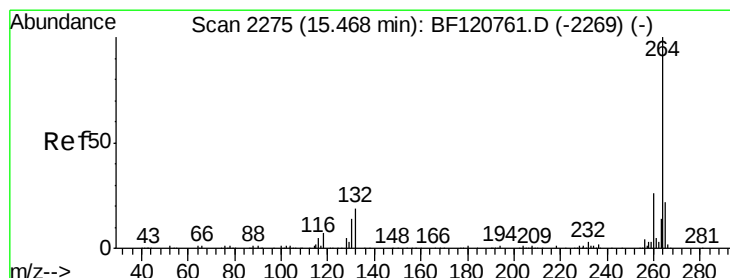
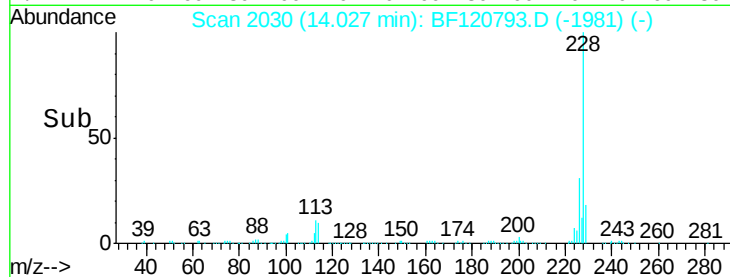
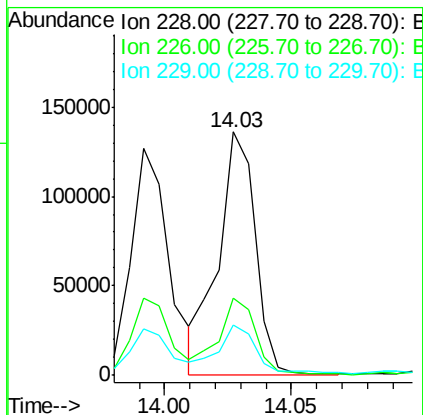
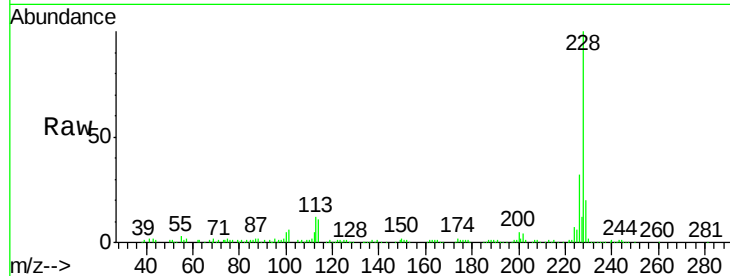




#83
Chrysene
Concen: 5.972 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

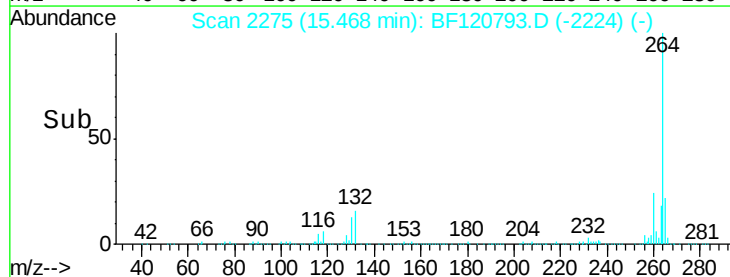
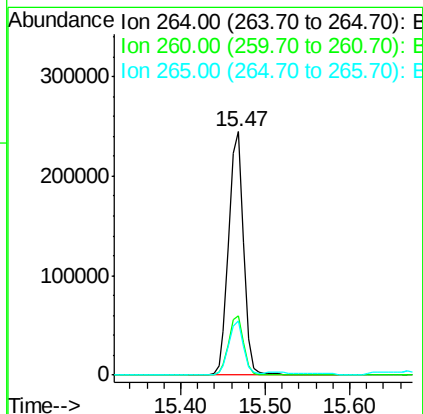
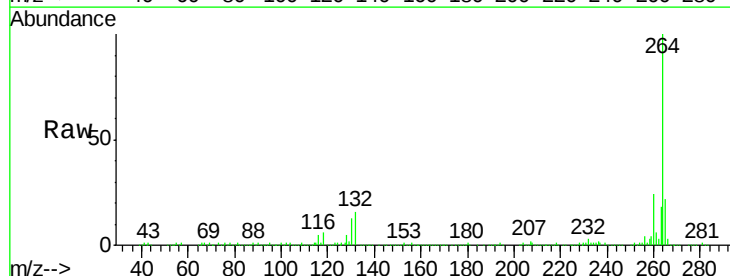
Instrument :
BNA_F
ClientSampleId :
VNJ-217

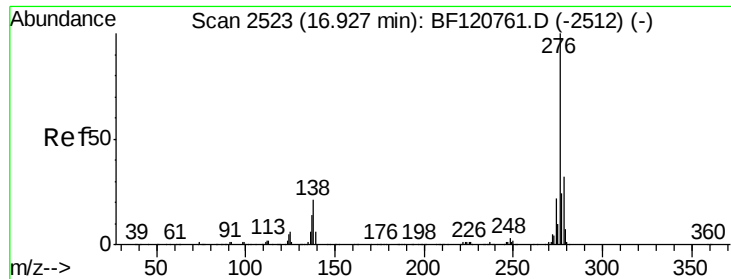
Tot Ion:228 Resp: 138036
Ion Ratio Lower Upper
228 100
226 31.6 25.7 38.5
229 20.5 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Tgt Ion:264 Resp: 297663
Ion Ratio Lower Upper
264 100
260 24.2 20.6 30.8
265 22.1 17.6 26.4

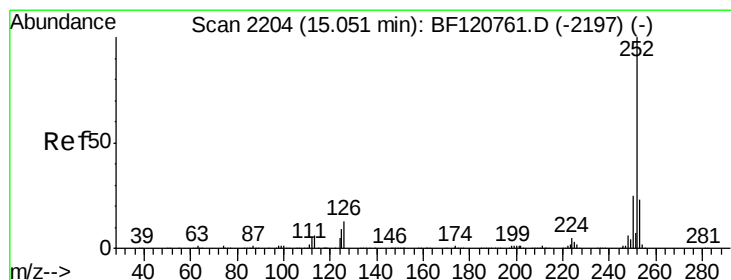
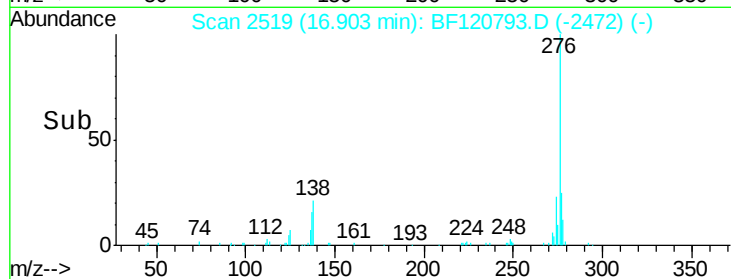
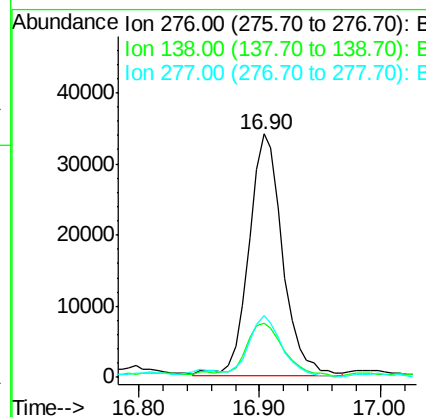
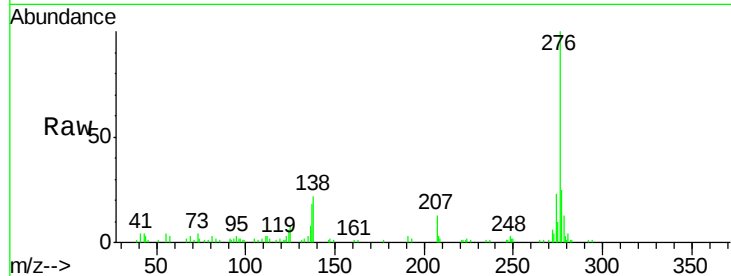




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.458 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

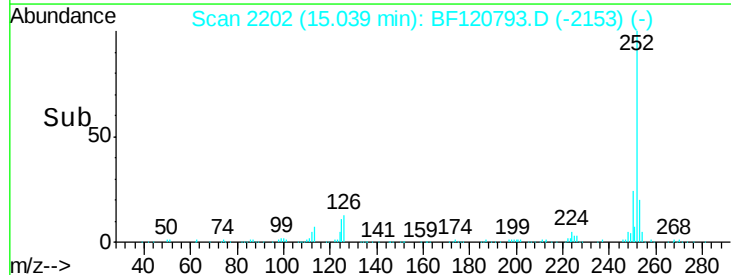
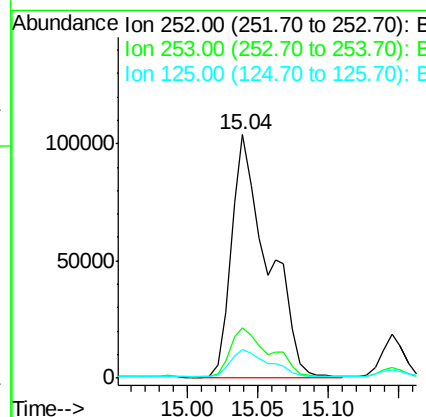
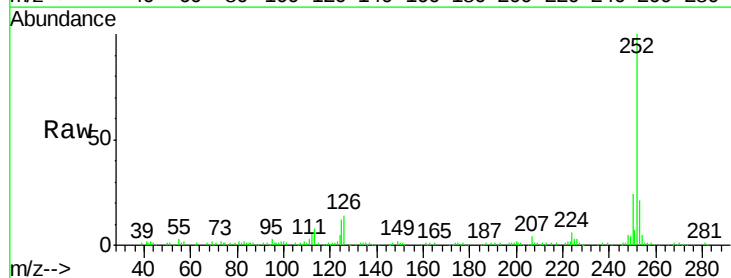
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

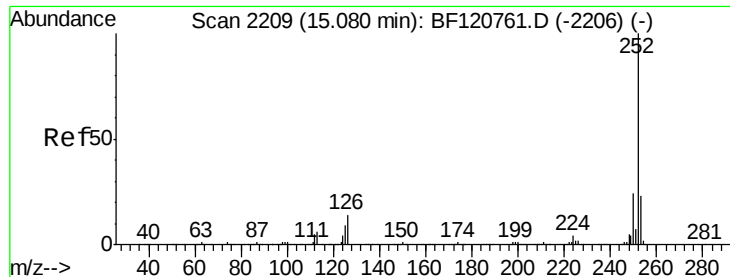
Tot Ion:276 Resp: 66021
 Ion Ratio Lower Upper
 276 100
 138 26.1 19.8 29.8
 277 25.9 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 9.596 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Tgt Ion:252 Resp: 187777
 Ion Ratio Lower Upper
 252 100
 253 20.7 18.0 27.0
 125 11.6 7.5 11.3#

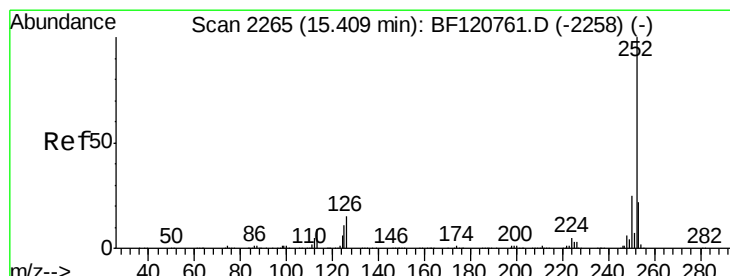
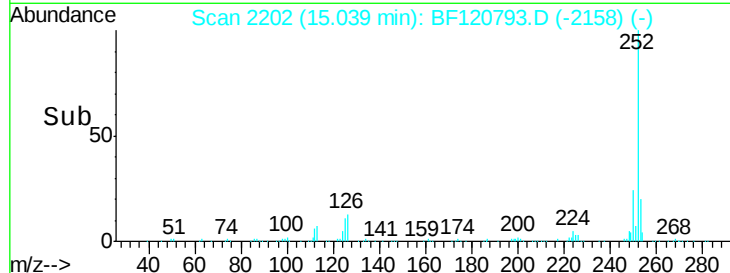
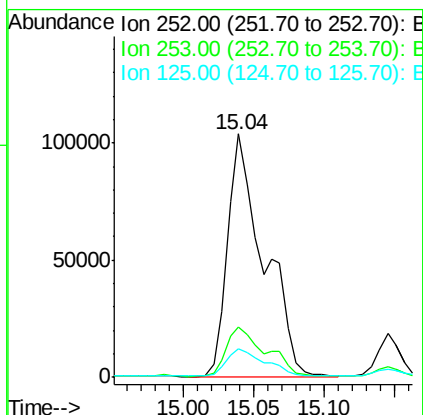
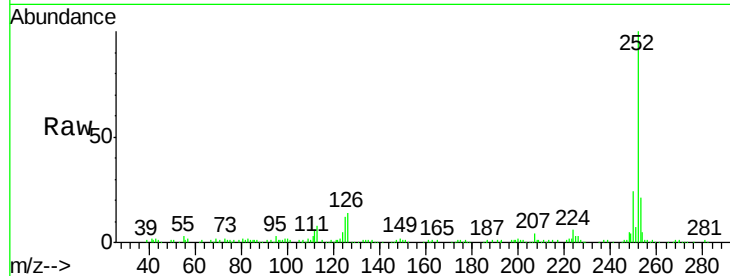




#89
Benzo(k)fluoranthene
Concen: 9.861 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

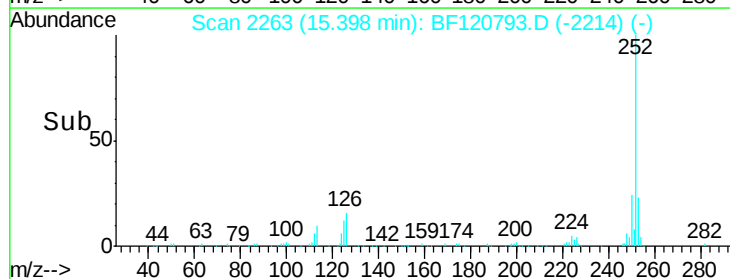
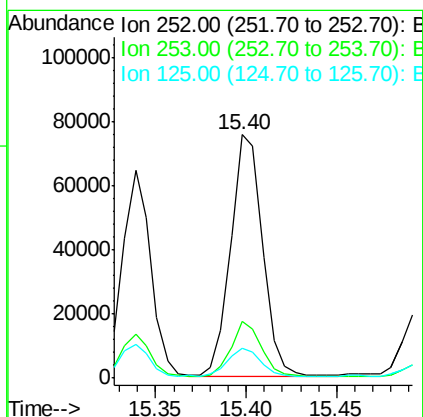
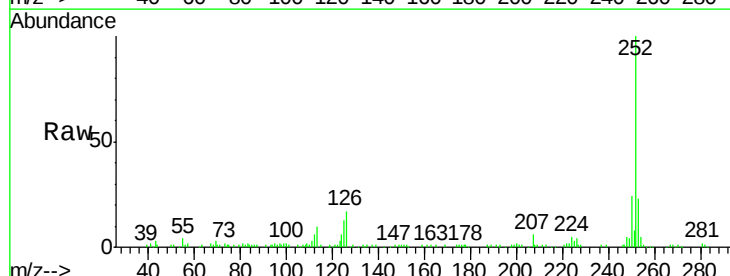
Instrument :
BNA_F
ClientSampleId :
VNJ-217

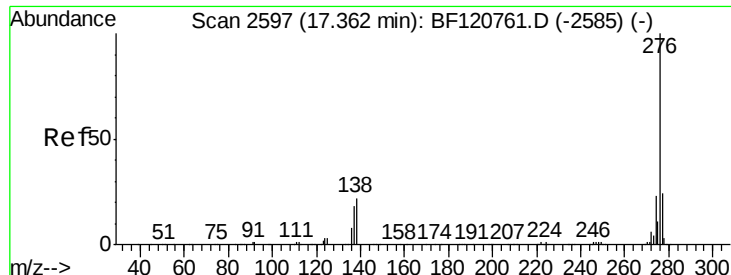
Tot Ion:252 Resp: 187777
Ion Ratio Lower Upper
252 100
253 20.7 17.9 26.9
125 11.6 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 5.329 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120793.D
Acq: 7 Jul 2020 17:58

Tgt Ion:252 Resp: 93034
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.5 9.2 13.8

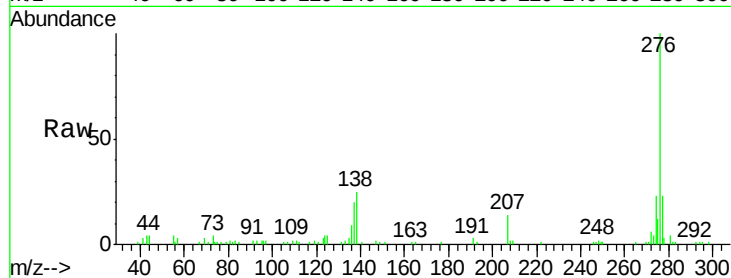




#92
 Benzo(a,h,i)perylene
 Concen: 4.983 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF120793.D
 Acq: 7 Jul 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-217

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.8	28.2
138	25.4	17.4	26.2



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

