

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\
 Data File : BF121650.D
 Acq On : 22 Sep 2020 20:22
 Operator : JU/CG
 Sample : L4104-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-10-17

Quant Time: Sep 23 01:06:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	149064	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	584106	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	310680	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	590473	20.00	ng	0.00
76) Chrysene-d12	13.97	240	446554	20.00	ng	0.00
86) Perylene-d12	15.42	264	325623	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	932724	92.99	ng	0.00
7) Phenol-d6	6.45	99	1222732	92.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	837339	76.97	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	413601	107.11	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1458565	71.10	ng	0.00
79) Terphenyl-d14	12.92	244	1571002	71.27	ng	0.00

Target Compounds

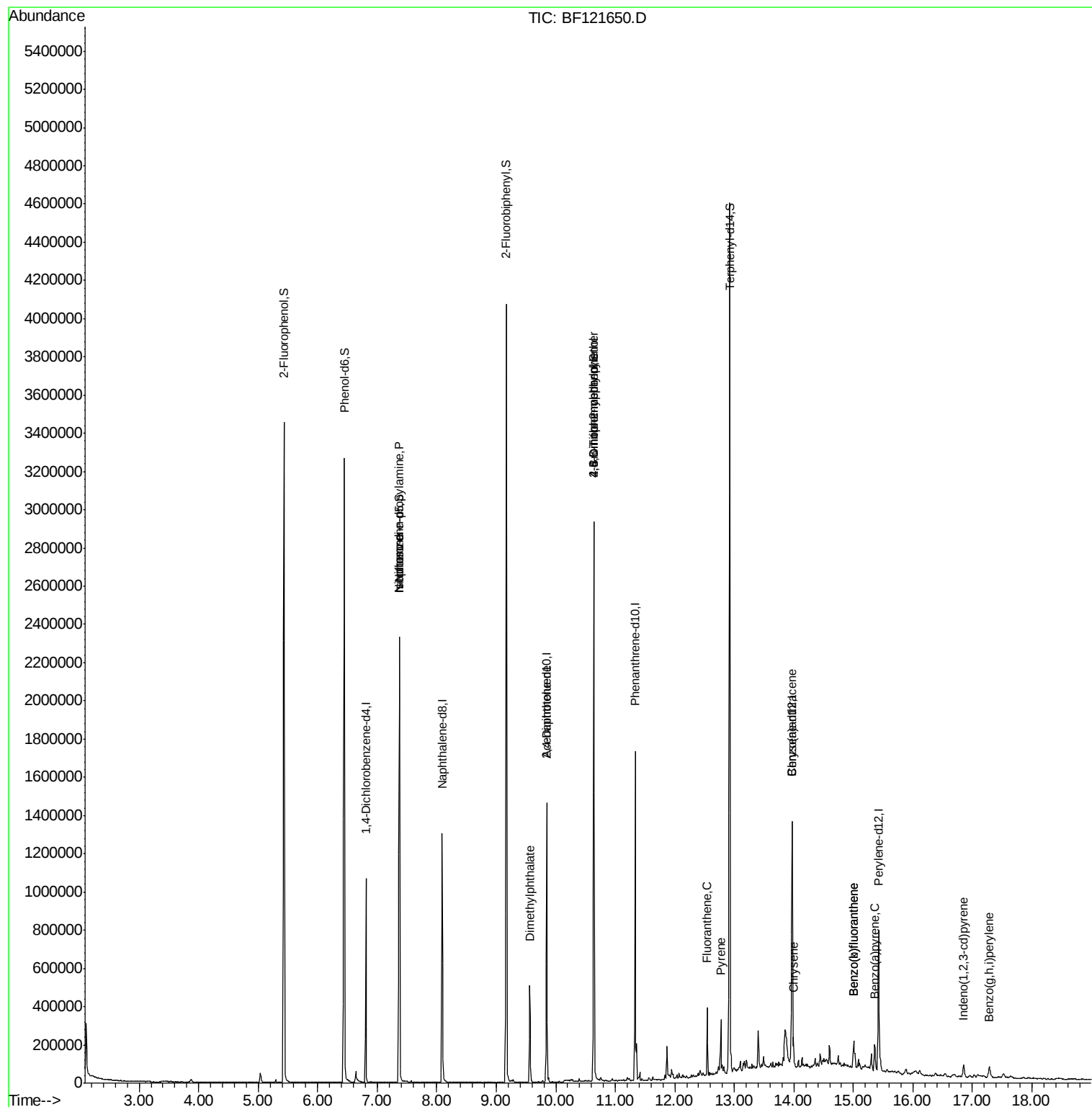
						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	112565	14.842	ng	# 78
25) Isophorone	7.37	82	827322	37.778	ng	# 67
50) Dimethylphthalate	9.56	163	202023	8.972	ng	100
57) 2,4-Dinitrotoluene	9.85	165	40088	6.645	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	737	7.026	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	24230	3.604	ng	# 1
75) Fluoranthene	12.54	202	123991	3.610	ng	99
78) Pyrene	12.77	202	118860	3.643	ng	98
81) Benzo(a)anthracene	13.96	228	72218	2.556	ng	98
83) Chrysene	14.00	228	62607	2.188	ng	96
87) Indeno(1,2,3-cd)pyrene	16.85	276	44451	2.096	ng	96
88) Benzo(b)fluoranthene	15.00	252	109246	5.019	ng	99
89) Benzo(k)fluoranthene	15.00	252	109246	5.480	ng	98
90) Benzo(a)pyrene	15.36	252	64183	3.469	ng	# 94
92) Benzo(a,h,i)perylene	17.28	276	47091	2.714	ng	# 95

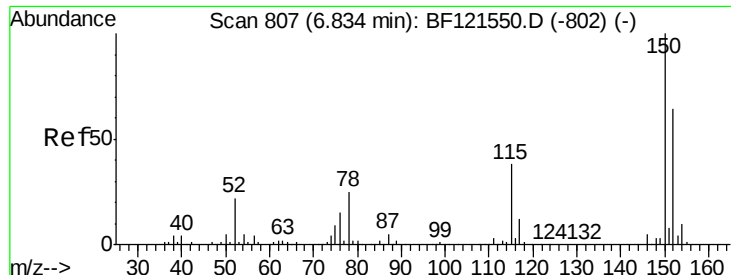
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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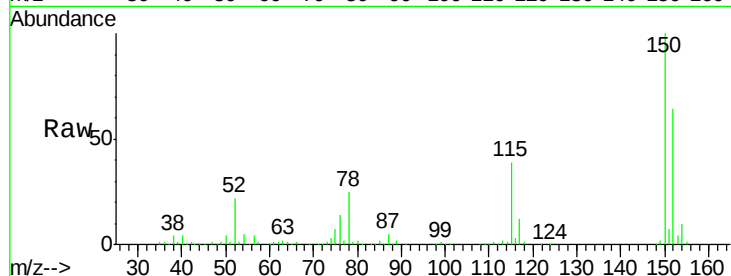


#1

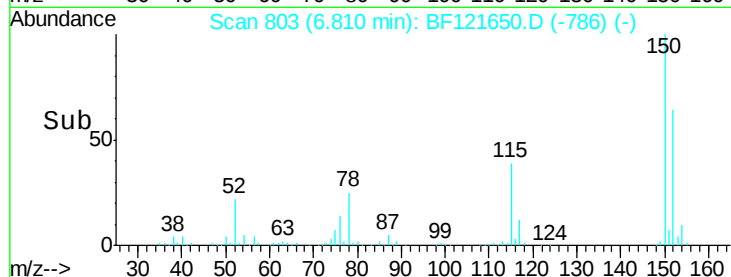
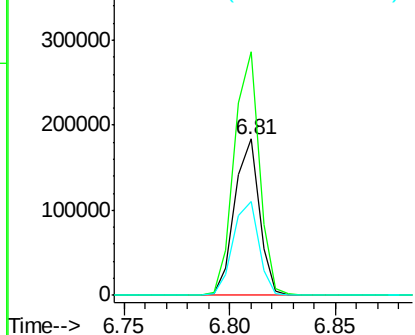
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-10-17

Tot Ion:152 Resp: 149064
Ion Ratio Lower Upper
152 100
150 155.7 128.1 192.1
115 60.3 52.6 79.0



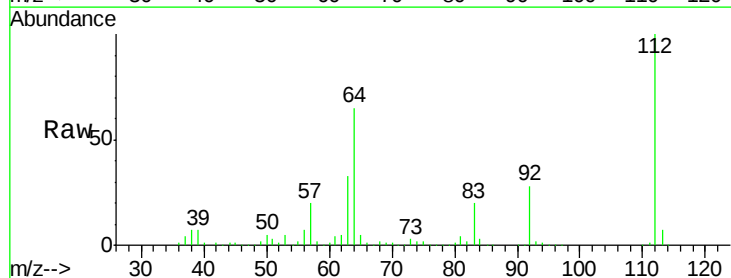
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



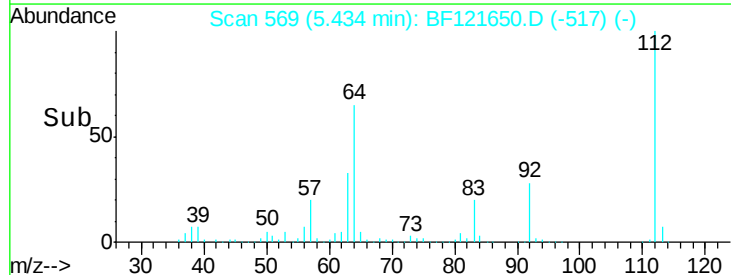
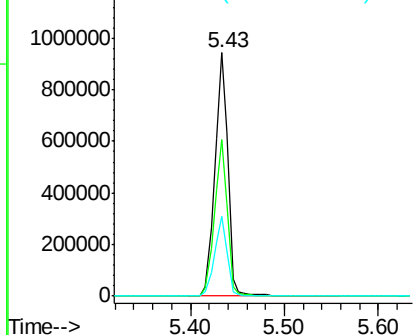
#5

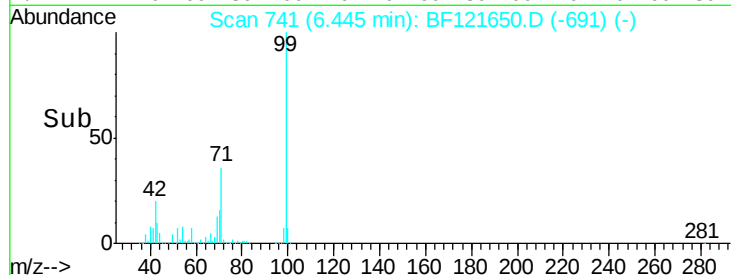
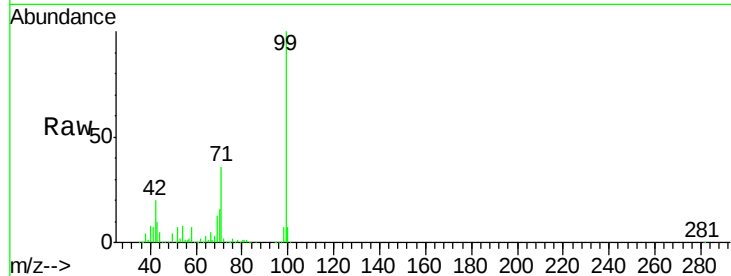
2-Fluorophenol
Concen: 92.990 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Tgt Ion:112 Resp: 932724
Ion Ratio Lower Upper
112 100
64 64.5 52.2 78.2
63 32.8 26.6 39.8



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: 92.918 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-10-17

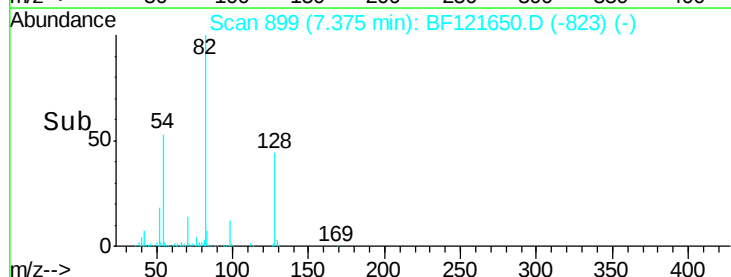
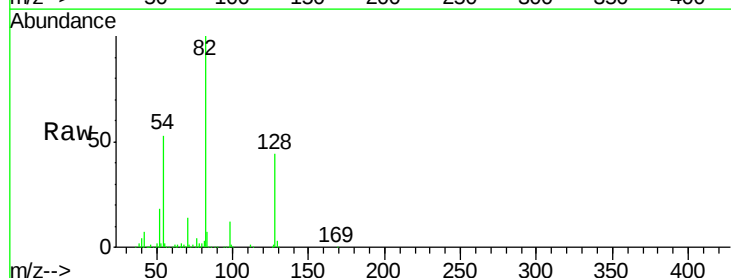
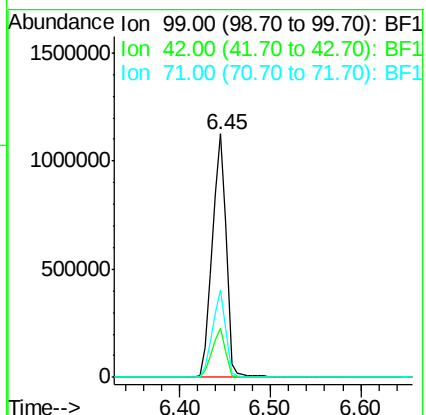
Tot Ion: 99 Resp: 1222732

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 35.8 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.842 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Tgt Ion: 70 Resp: 112565

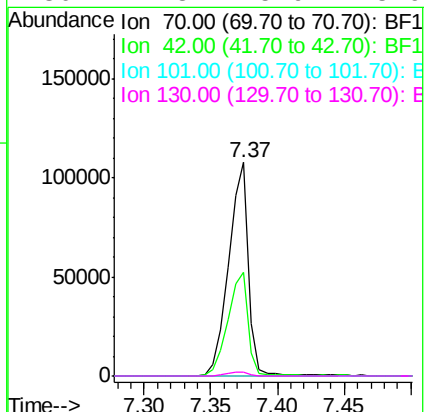
Ion Ratio Lower Upper

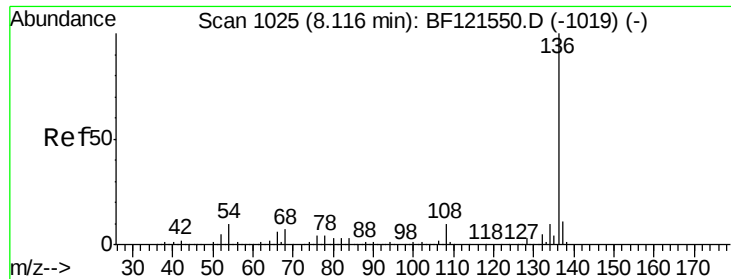
70 100

42 48.3 48.3 72.5#

101 0.0 7.6 11.4#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-10-17

Tot Ion:136 Resp: 584106

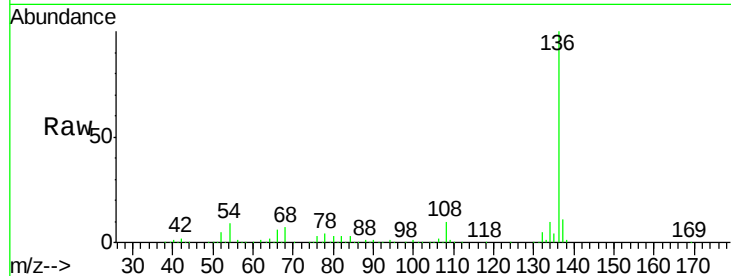
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.2 7.4 11.0

68 6.7 5.3 7.9

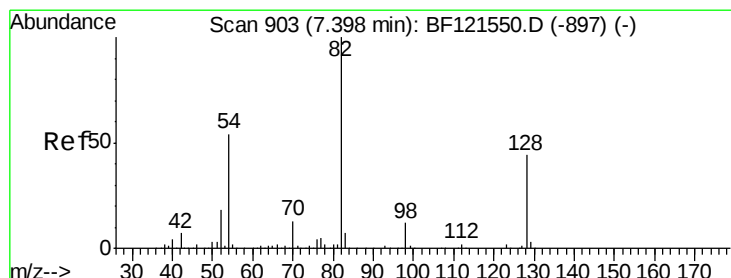
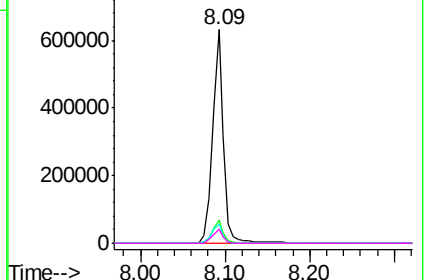
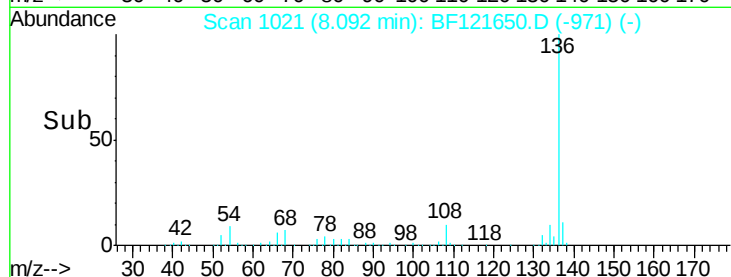


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.969 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

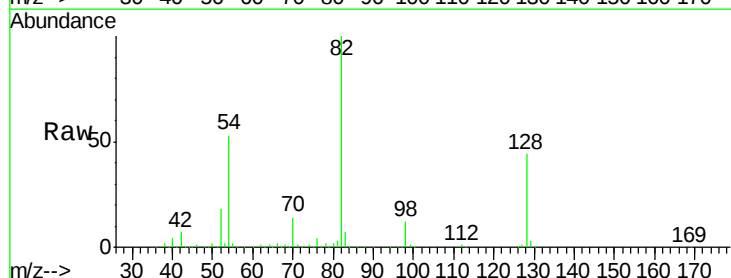
Tgt Ion: 82 Resp: 837339

Ion Ratio Lower Upper

82 100

128 43.9 33.9 50.9

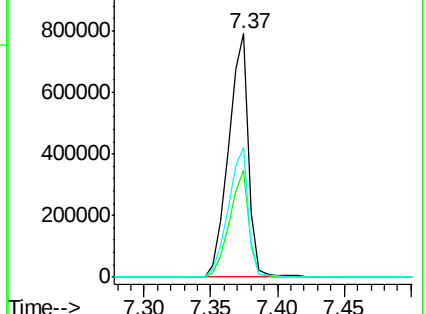
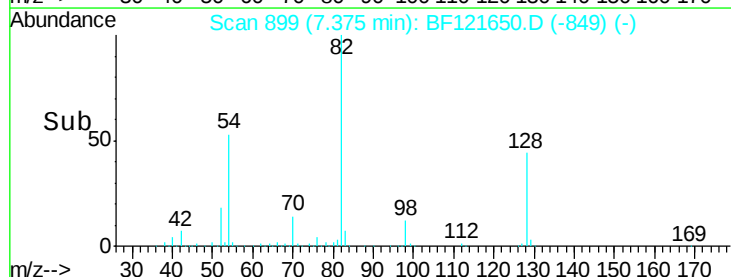
54 53.3 42.9 64.3

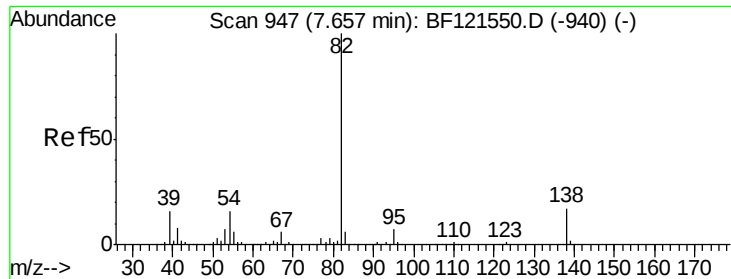


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.778 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Instrument :

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ClientSampleId :

PAV-B29-092120-10-17

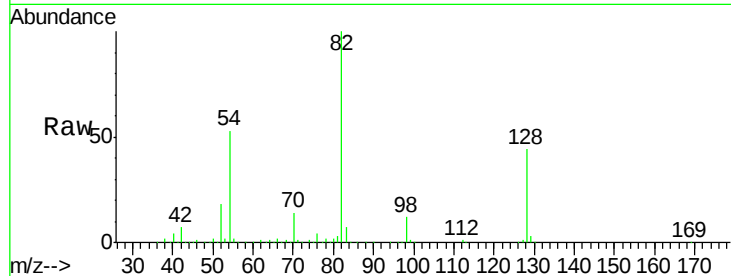
Tot Ion: 82 Resp: 827322

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

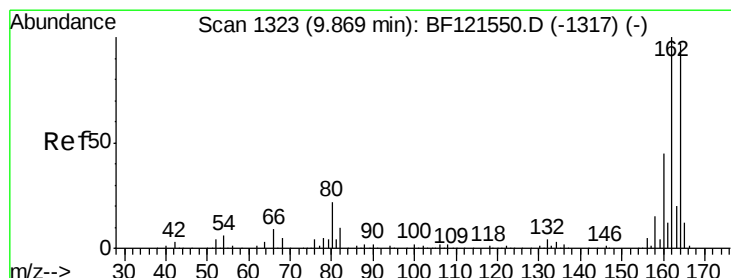
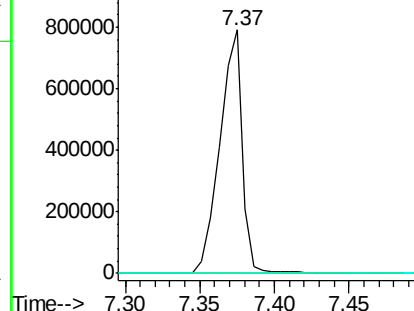
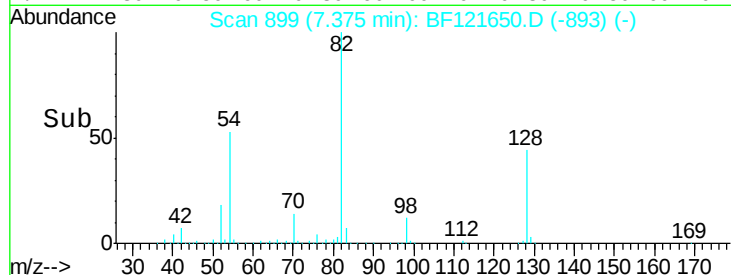
138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

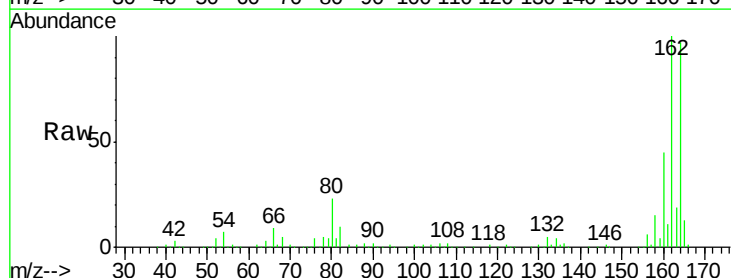
Tgt Ion: 164 Resp: 310680

Ion Ratio Lower Upper

164 100

162 102.9 81.2 121.8

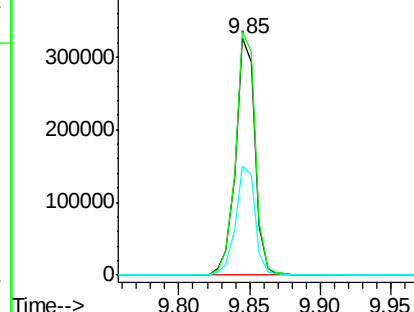
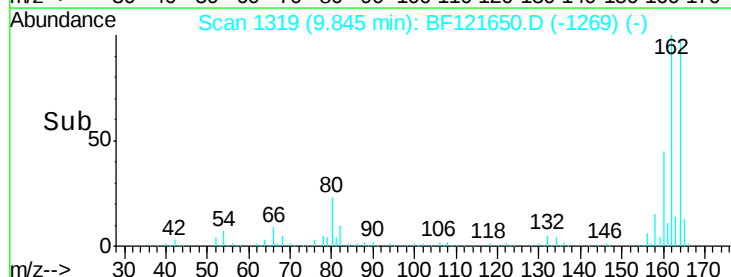
160 46.3 36.2 54.4



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

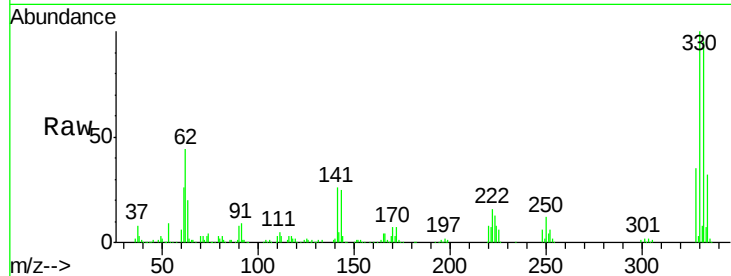




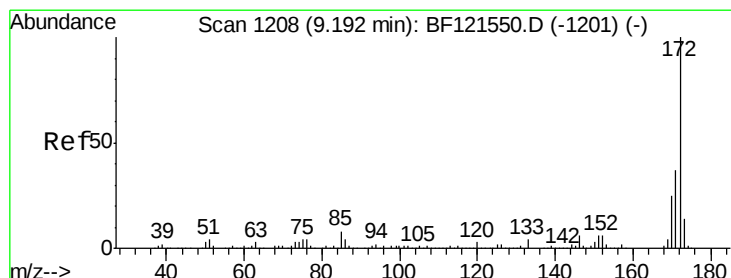
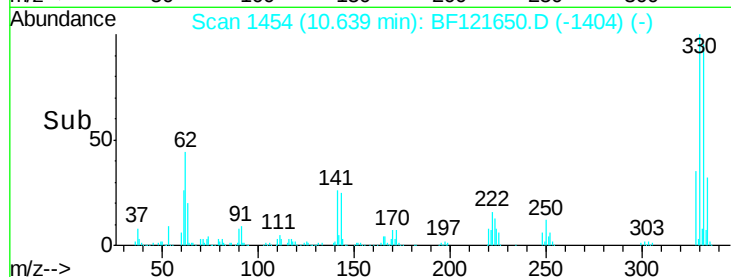
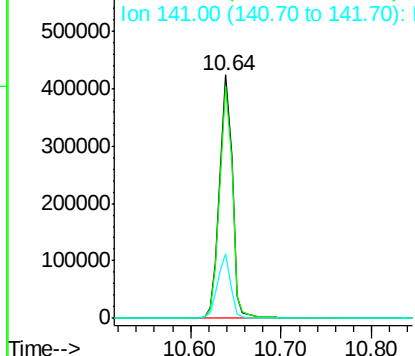
#42
 2,4,6-Tribromophenol
 Concen: 107.113 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-10-17

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	27.2	22.4	33.6

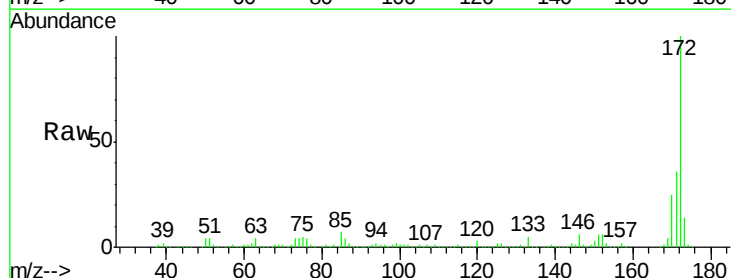


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

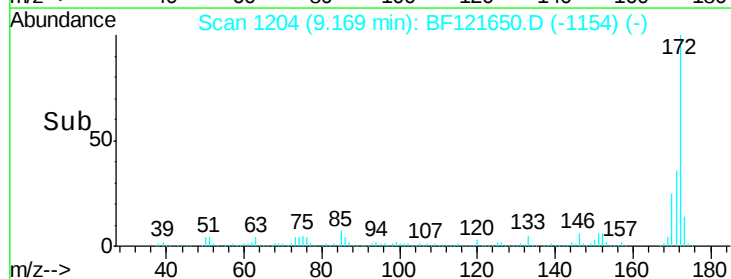
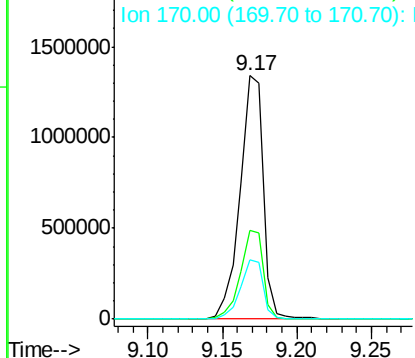


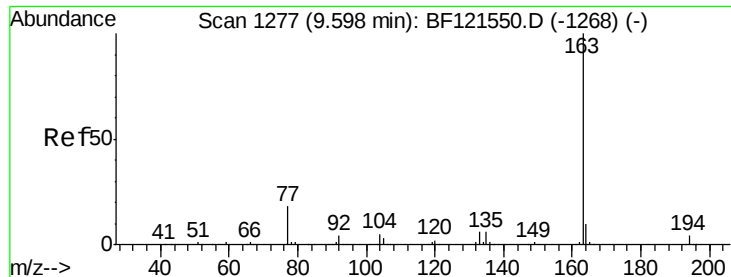
#45
 2-Fluorobiphenyl
 Concen: 71.103 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.5	19.5	29.3



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

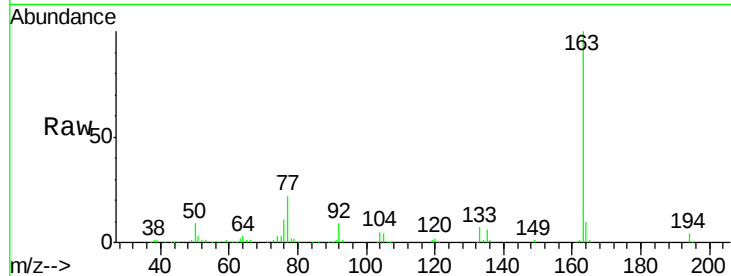




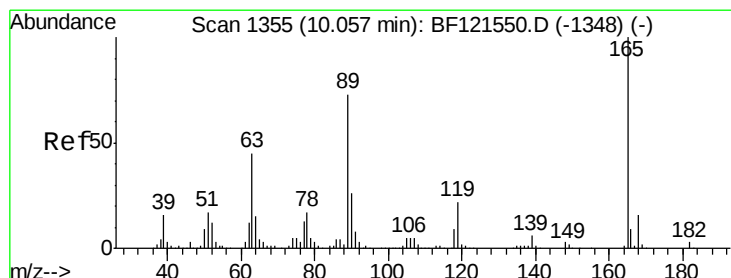
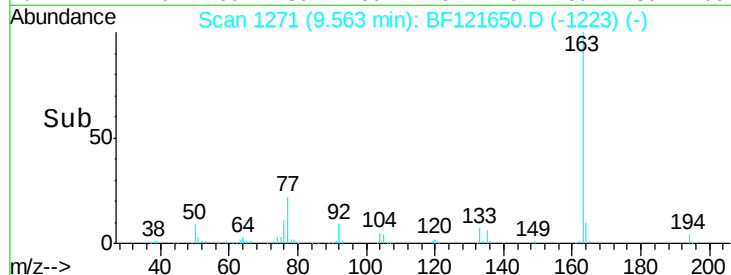
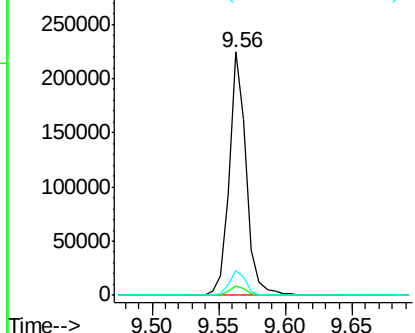
#50
Dimethylphthalate
Concen: 8.972 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-10-17

Tot Ion:163	Resp:	202023
Ion Ratio	Lower	Upper
163	100	
194	3.9	3.3 4.9
164	10.1	8.0 12.0

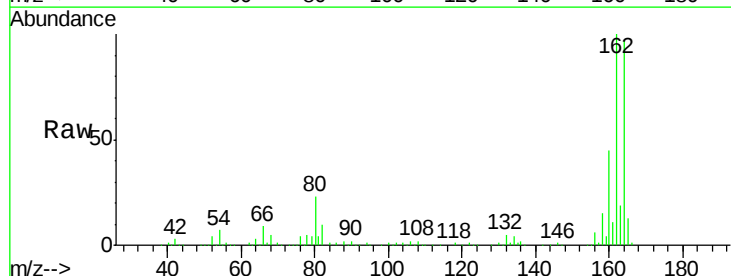


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

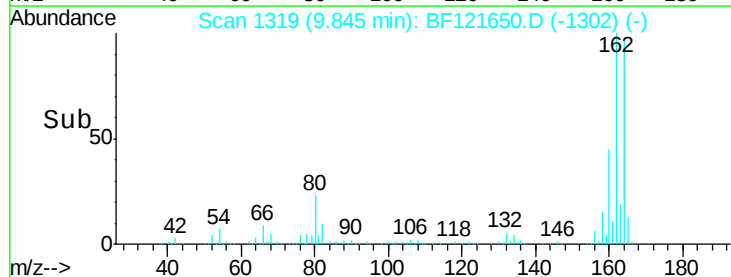
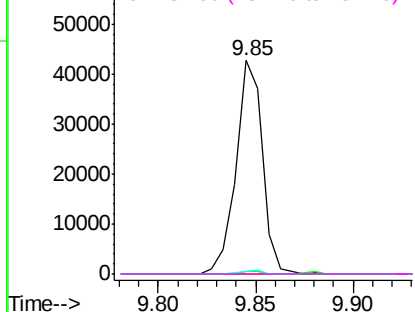


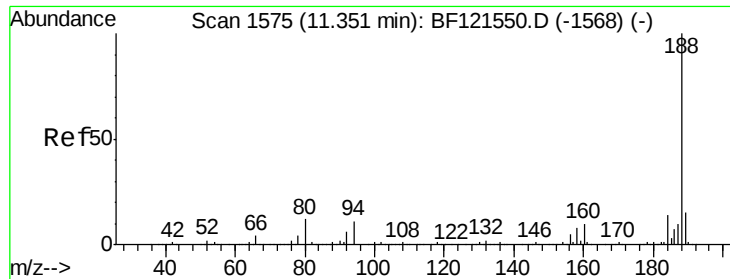
#57
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Tgt Ion:165	Resp:	40088
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.7 55.1#
89	1.4	57.7 86.5#
182	0.0	2.1 3.1#



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: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-10-17

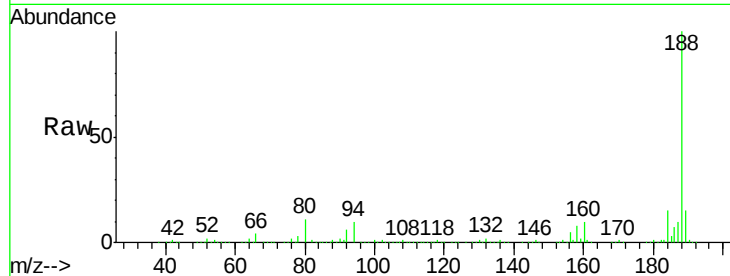
Tot Ion:188 Resp: 590473

Ion Ratio Lower Upper

188 100

94 10.4 8.4 12.6

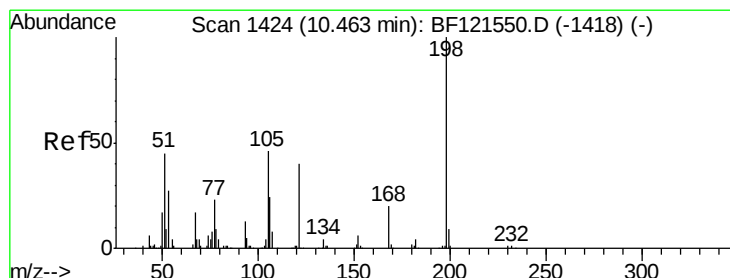
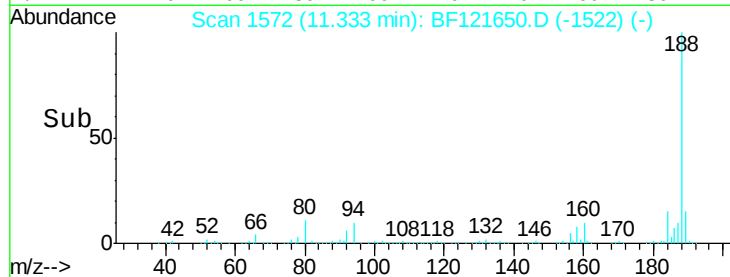
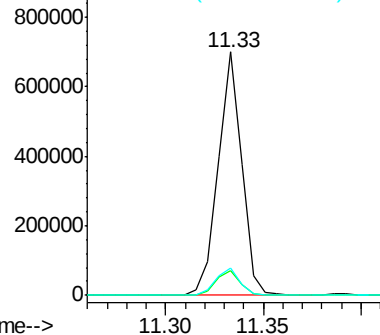
80 11.4 9.0 13.4



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: 7.026 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

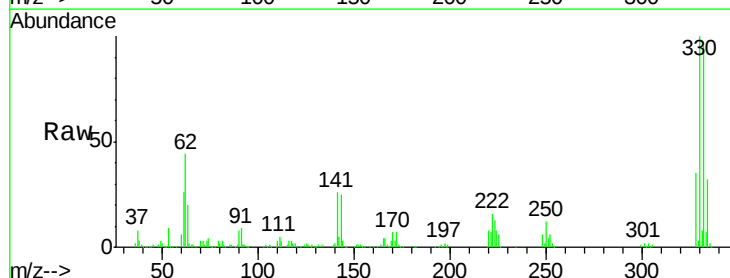
Tgt Ion:198 Resp: 737

Ion Ratio Lower Upper

198 100

51 181.1 20.3 60.3#

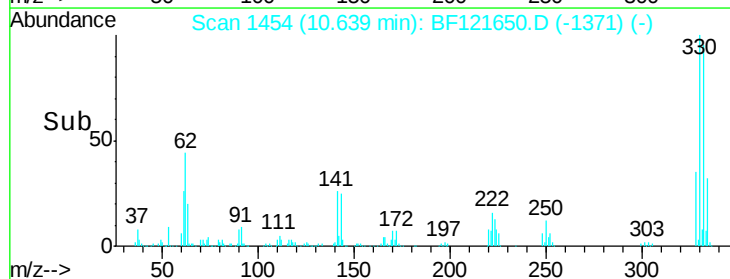
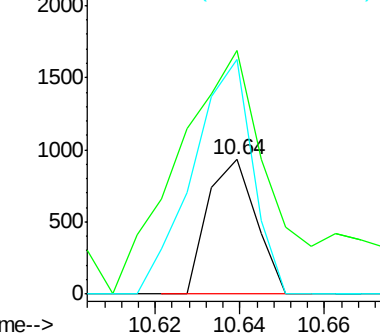
105 174.7 20.2 60.2#

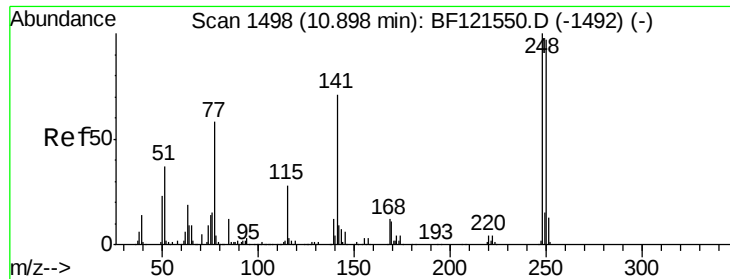


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

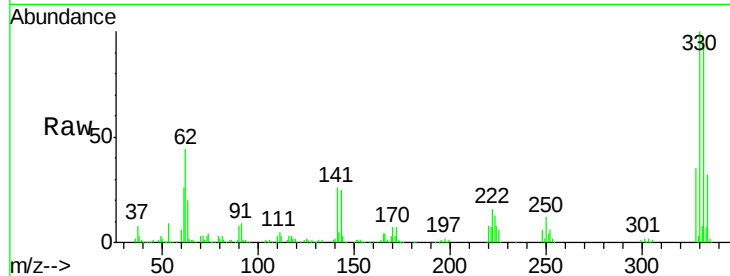




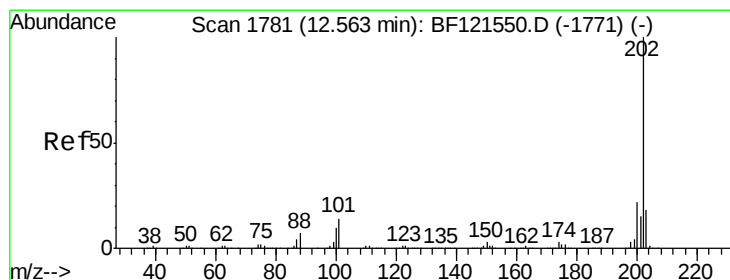
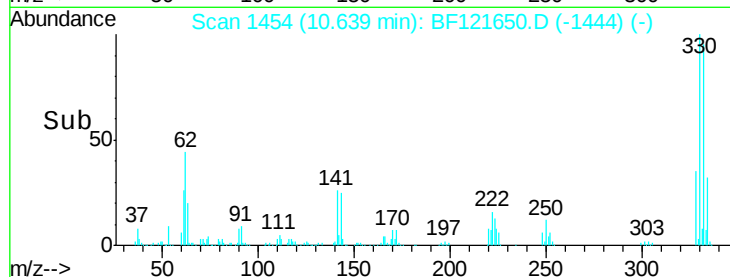
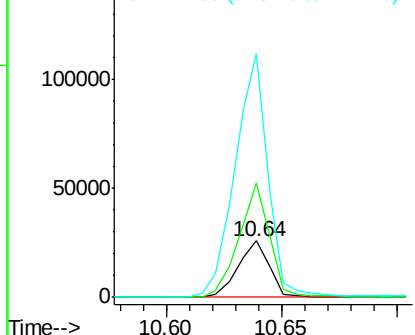
#67
 4-Bromophenyl-phenylether
 Concen: 3.604 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-10-17

Tot Ion	Ratio	Lower	Upper
248	100		
250	202.5	79.4	119.0#
141	432.1	52.2	78.4#

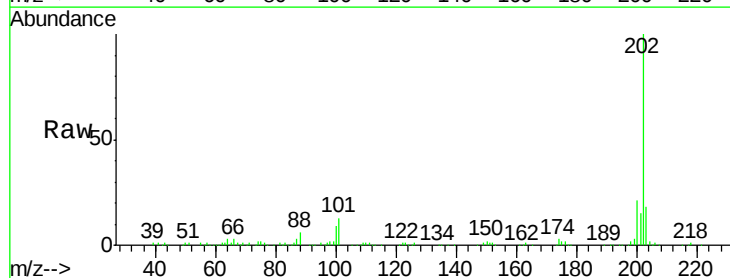


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

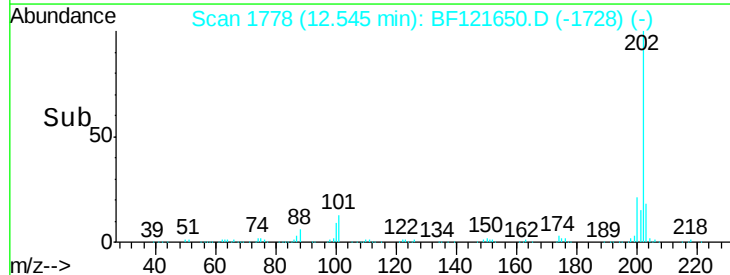
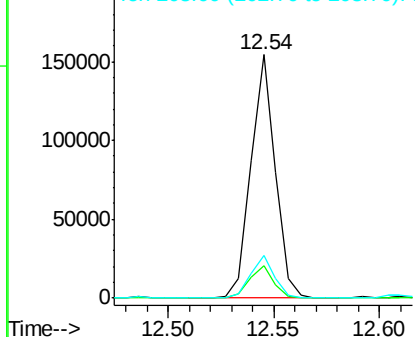


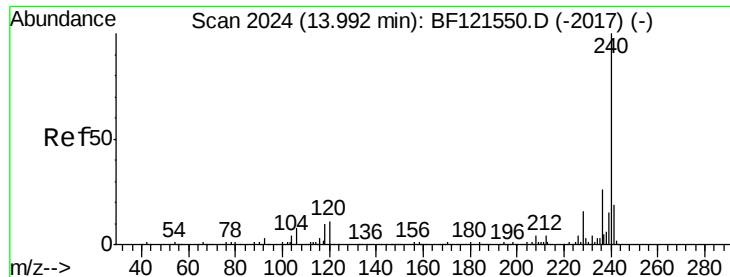
#75
 Fluoranthene
 Concen: 3.610 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.9
203	17.6	0.0	37.8



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

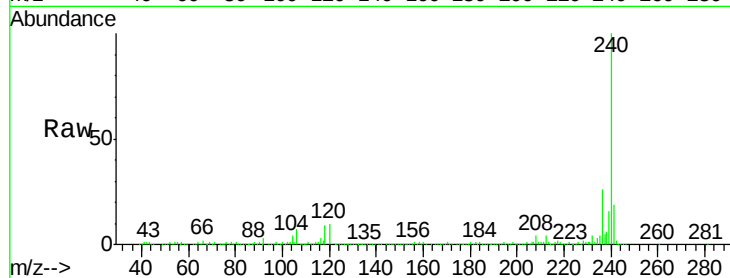




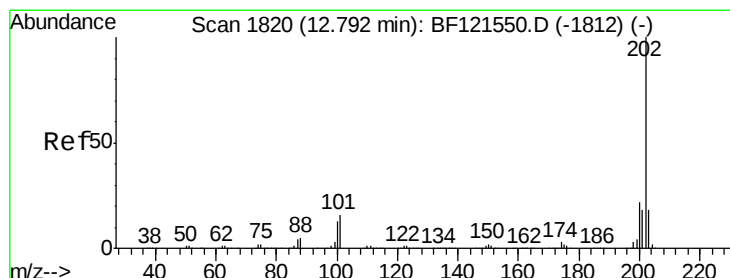
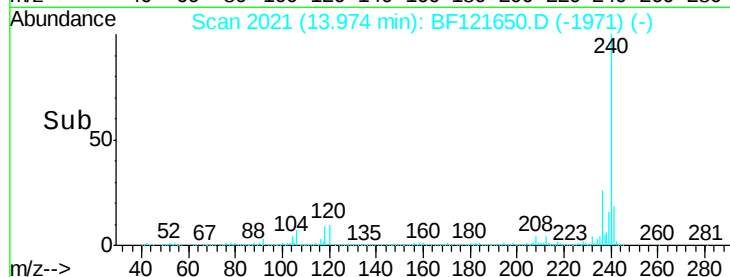
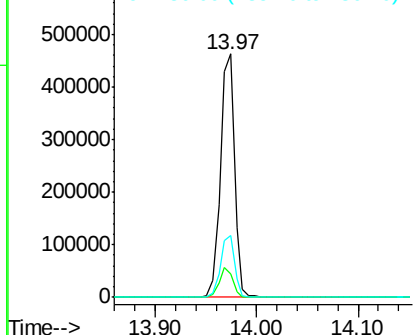
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-10-17

Tot Ion:240 Resp: 446554
Ion Ratio Lower Upper
240 100
120 9.8 9.2 13.8
236 25.7 20.4 30.6

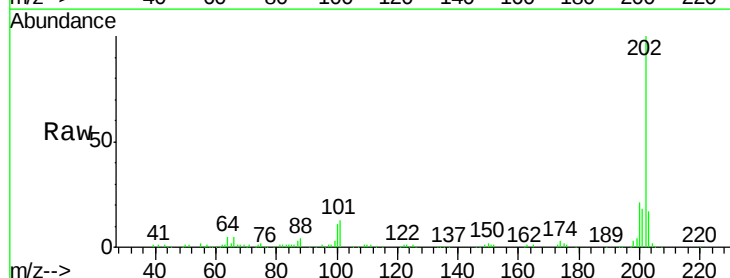


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

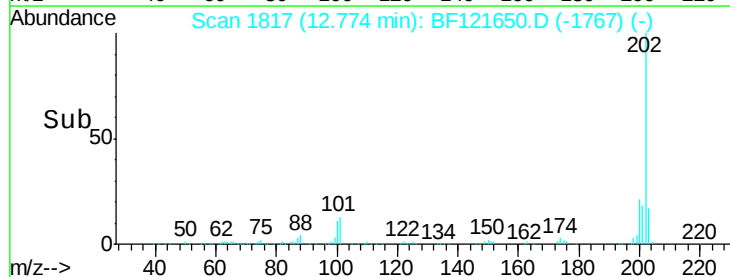
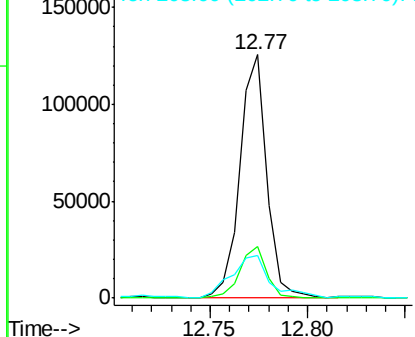


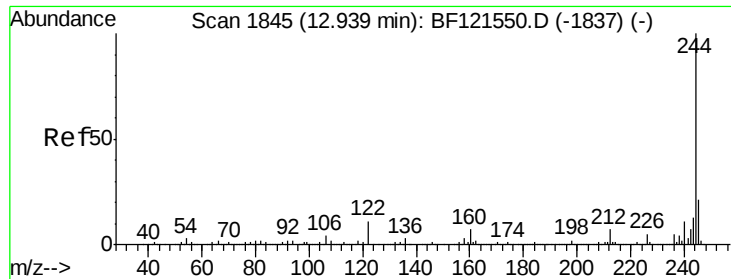
#78
Pyrene
Concen: 3.643 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Tgt Ion:202 Resp: 118860
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 17.5 14.4 21.6



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

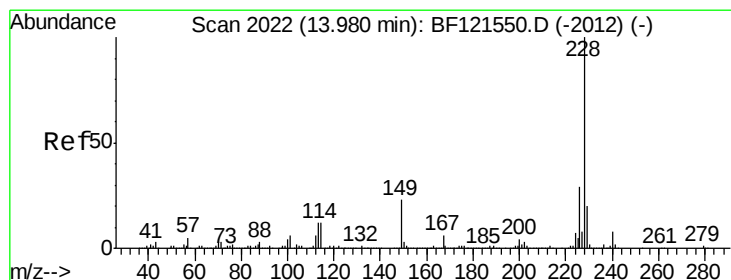
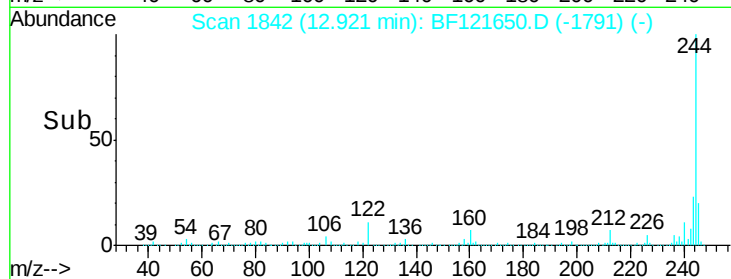
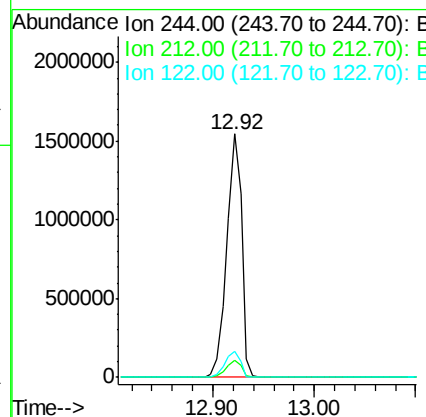
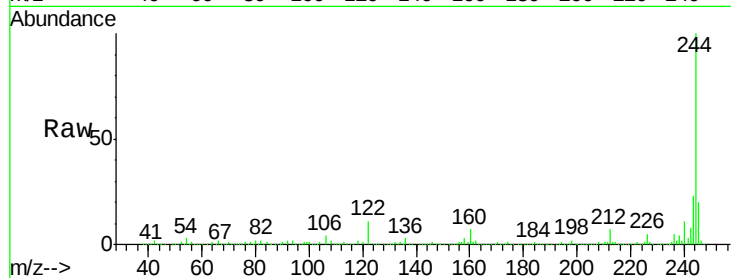




#79
 Terphenyl-d14
 Concen: 71.272 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

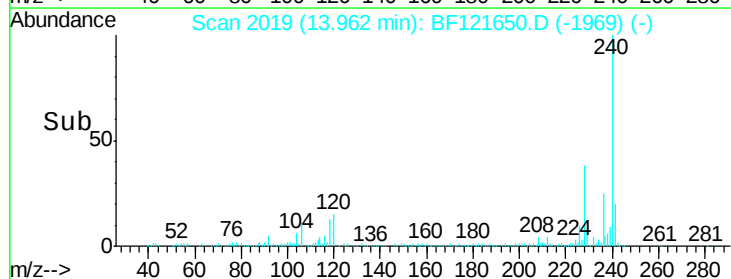
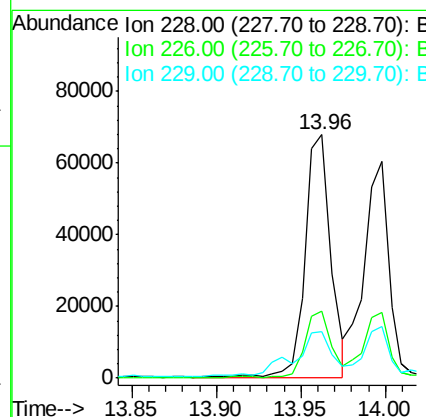
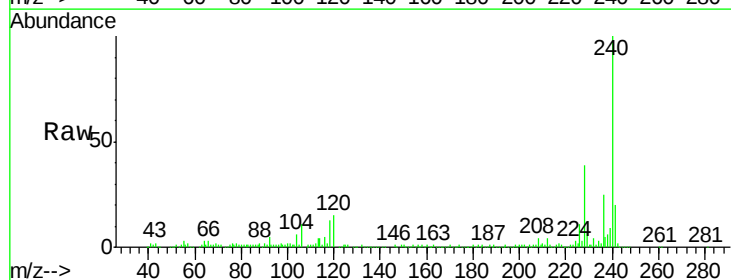
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-10-17

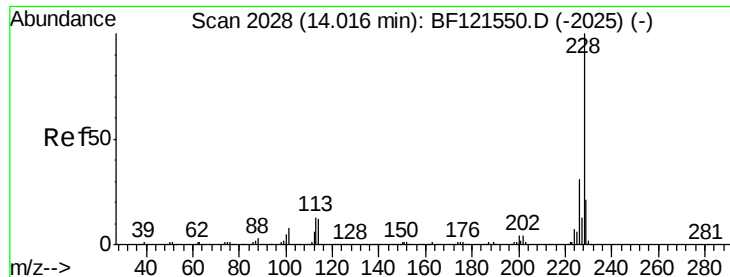
Tot Ion:244 Resp: 1571002
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 10.9 7.4 11.0



#81
 Benzo(a)anthracene
 Concen: 2.556 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

Tgt Ion:228 Resp: 72218
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.6 33.8
 229 19.3 16.2 24.2





#83

Chrysene

Concen: 2.188 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-10-17

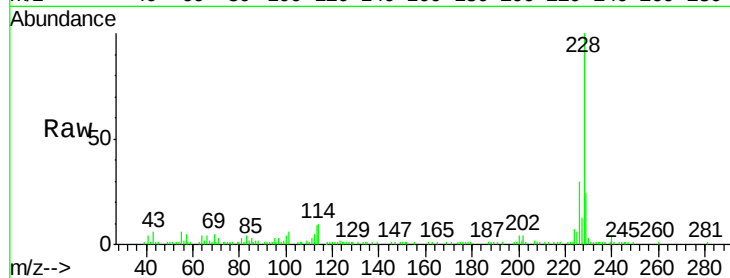
Tot Ion:228 Resp: 62607

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.4

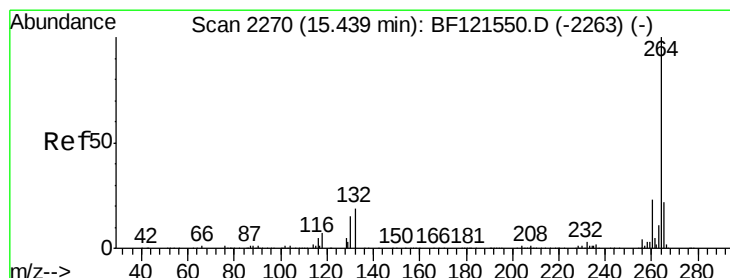
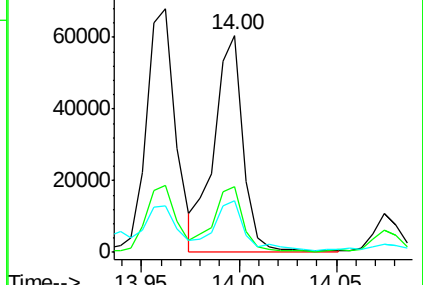
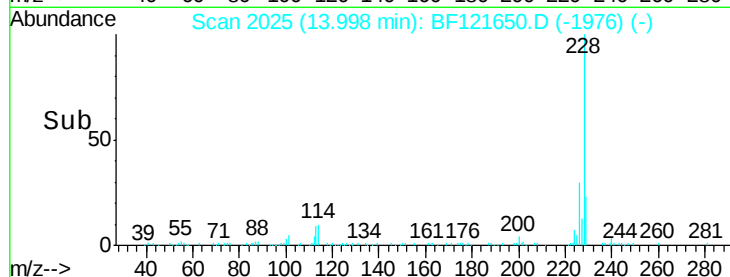
229 23.6 16.0 24.0



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

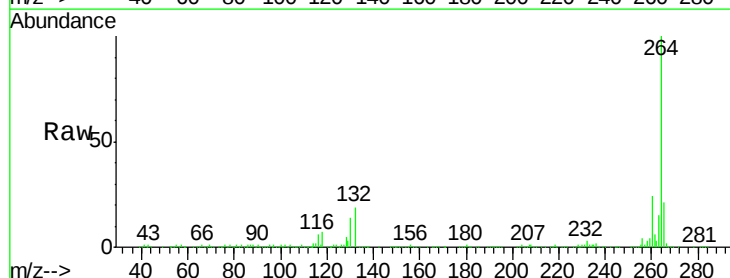
Tgt Ion:264 Resp: 325623

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

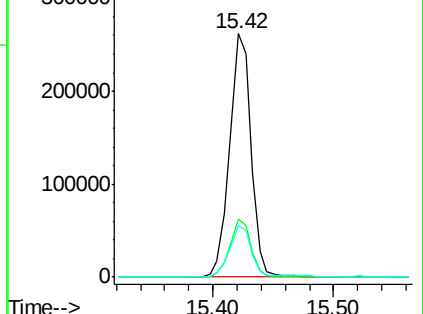
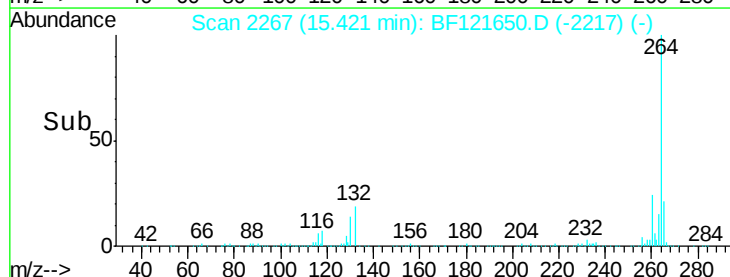
265 21.3 17.3 25.9

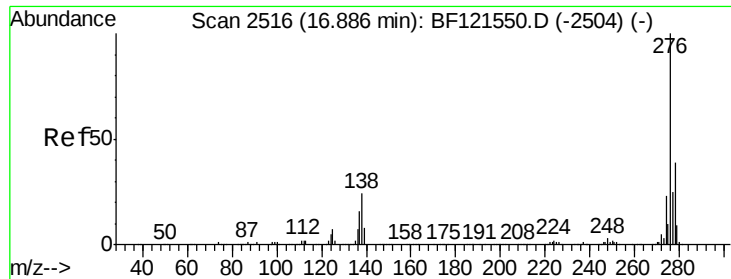


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

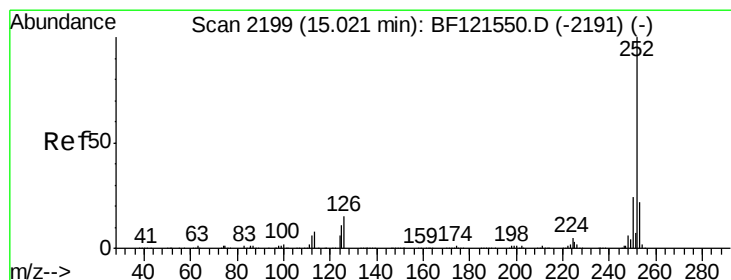
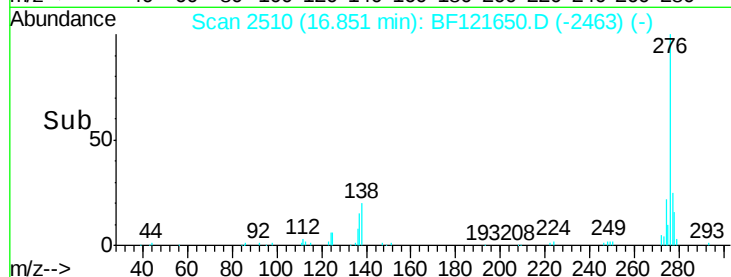
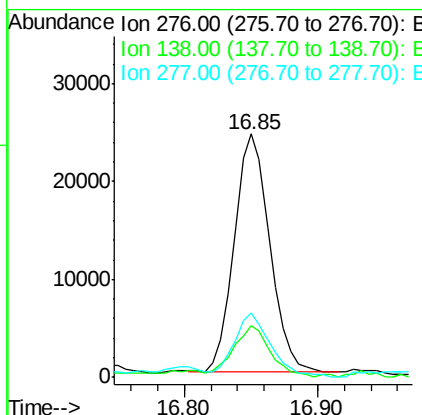
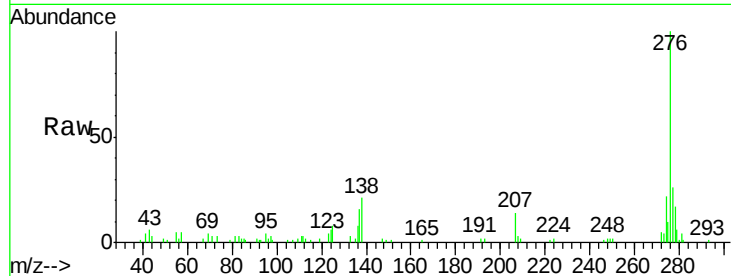




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.096 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. -0.02 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

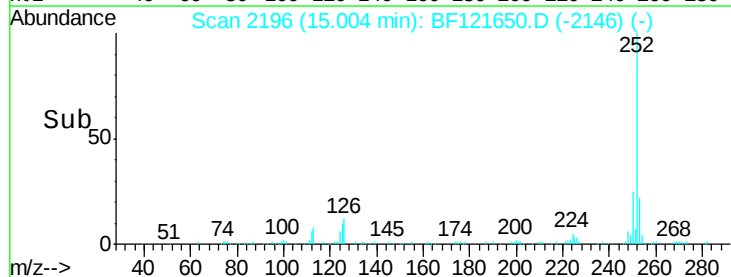
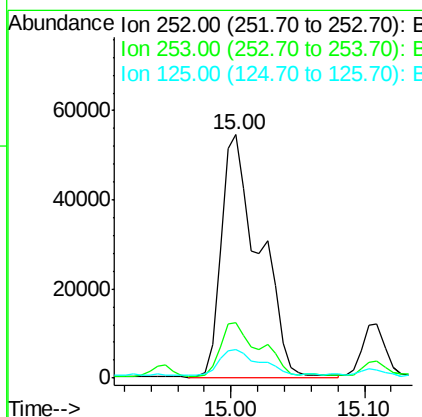
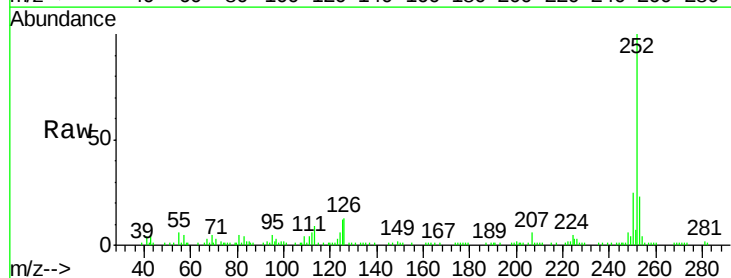
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-10-17

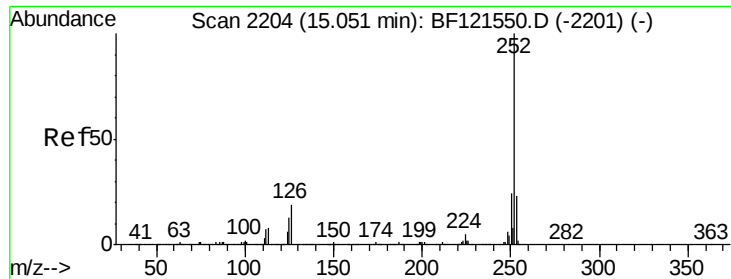
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.0	28.6
277	28.5	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 5.019 ng
 RT: 15.00 min Scan# 2196
 Delta R.T. -0.01 min
 Lab File: BF121650.D
 Acq: 22 Sep 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	11.7	8.5	12.7

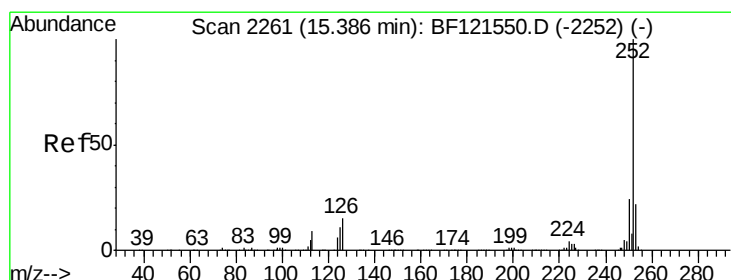
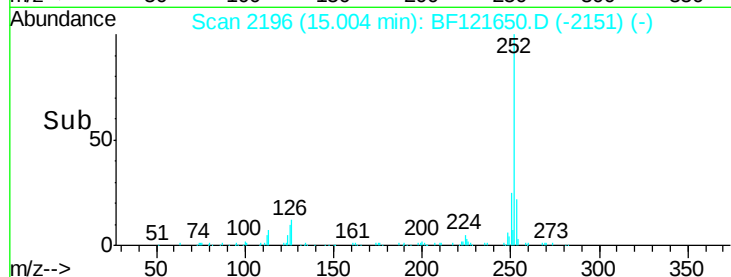
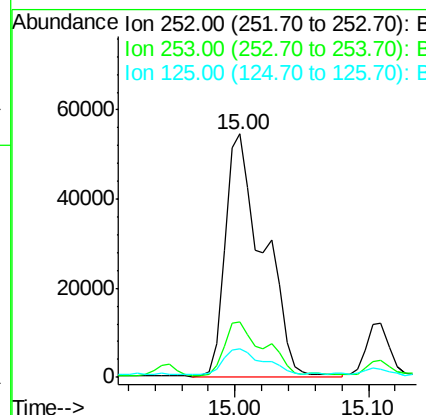
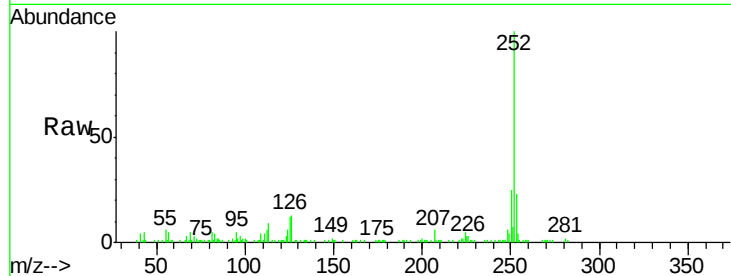




#89
Benzo(k)fluoranthene
Concen: 5.480 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

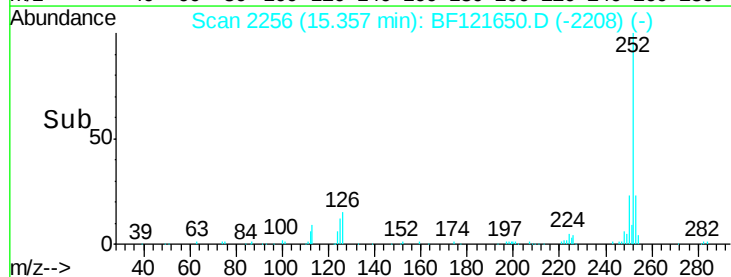
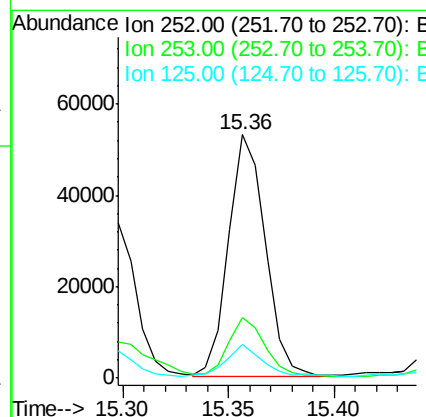
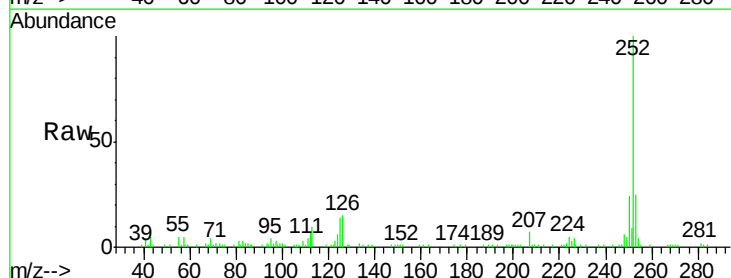
Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-10-17

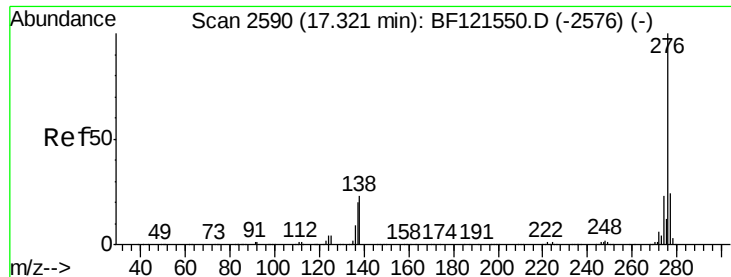
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.7	8.4	12.6



#90
Benzo(a)pyrene
Concen: 3.469 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BF121650.D
Acq: 22 Sep 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.2
125	13.7	9.1	13.7#





#92

Benzo(a,h,i)perylene

Concen: 2.714 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.04 min

Lab File: BF121650.D

Acq: 22 Sep 2020 20:22

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-10-17

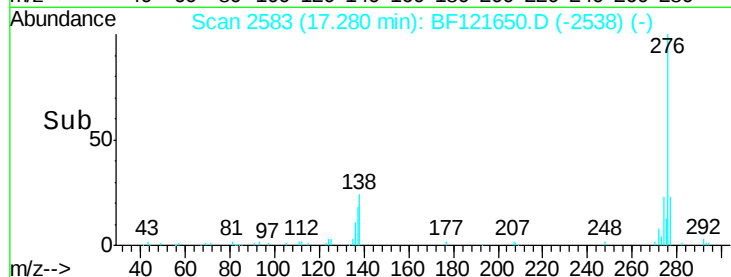
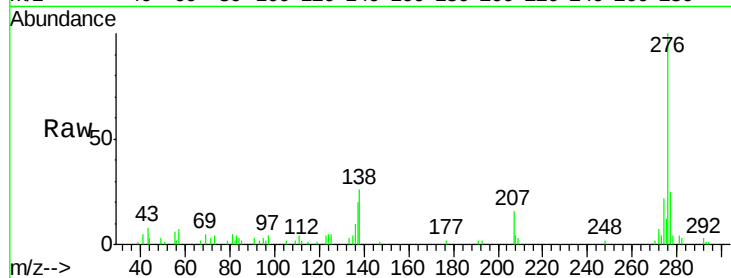
Tot Ion: 276 Resp: 47091

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 26.0 16.9 25.3#



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

