

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121709.D
 Acq On : 28 Sep 2020 13:35
 Operator : JU/CG
 Sample : L4136-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B26-092420-0-10

Quant Time: Sep 28 14:45:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	149082	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	577558	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	300143	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	554462	20.00	ng	0.00
76) Chrysene-d12	13.95	240	370551	20.00	ng	0.00
86) Perylene-d12	15.40	264	340472	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	835618	83.30	ng	0.00
7) Phenol-d6	6.43	99	1068381	81.18	ng	0.00
23) Nitrobenzene-d5	7.36	82	737924	68.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	326608	87.55	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1289180	65.05	ng	0.00
79) Terphenyl-d14	12.90	244	1257038	68.73	ng	0.00

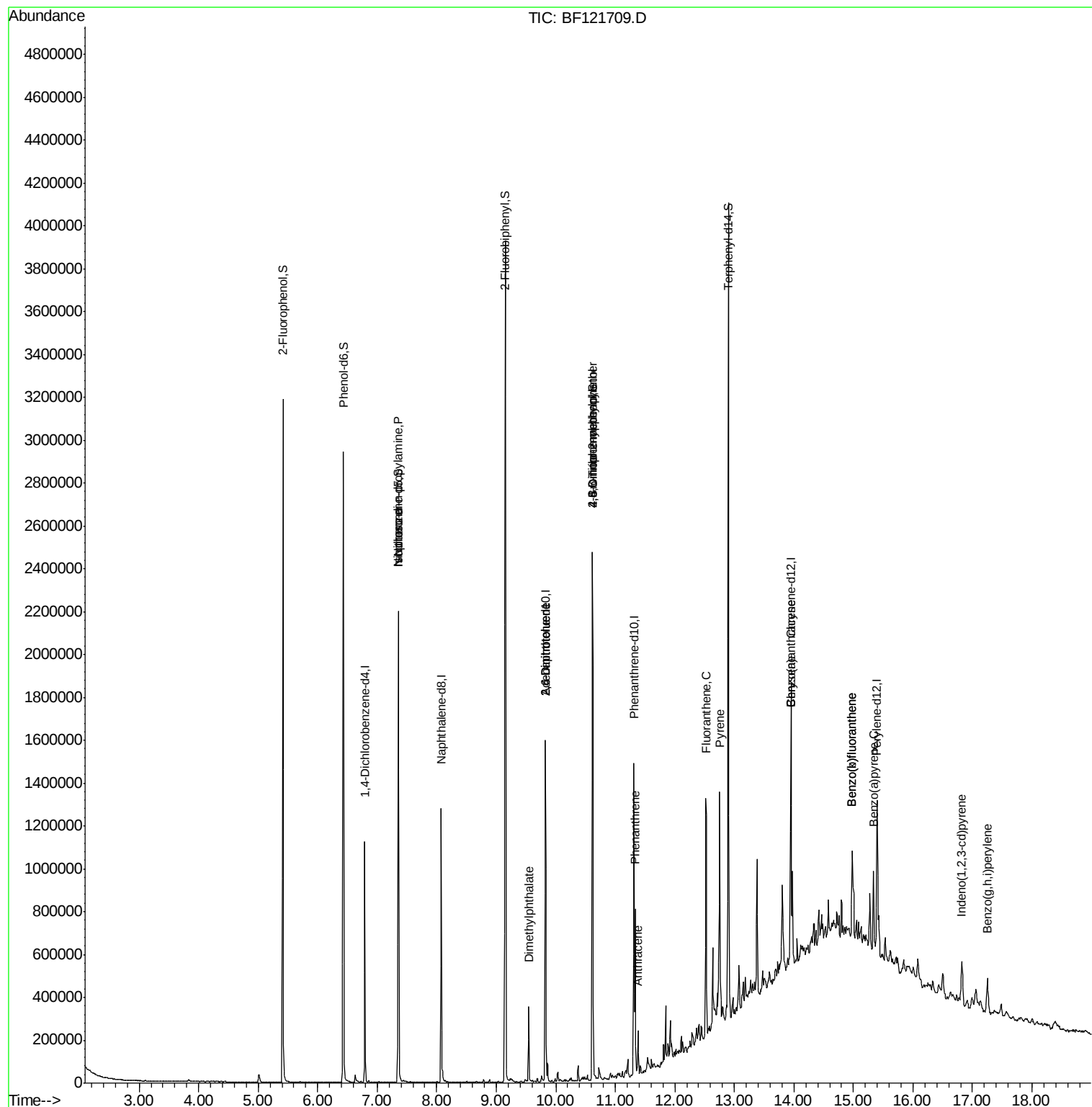
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	97097	12.801	ng	# 82
25) Isophorone	7.36	82	728237	33.631	ng	# 65
50) Dimethylphthalate	9.55	163	128877	5.924	ng	99
51) 2,6-Dinitrotoluene	9.83	165	39077	8.435	ng	# 22
57) 2,4-Dinitrotoluene	9.83	165	39077	6.705	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.62	198	581	6.998	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	19184	3.039	ng	# 1
71) Phenanthrene	11.33	178	272639	9.025	ng	98
72) Anthracene	11.39	178	71412	2.291	ng	97
75) Fluoranthene	12.52	202	447263	13.869	ng	98
78) Pyrene	12.75	202	436291	16.115	ng	98
81) Benzo(a)anthracene	13.94	228	188141	8.026	ng	98
83) Chrysene	13.94	228	188141	7.925	ng	95
87) Indeno(1,2,3-cd)pyrene	16.82	276	131187	5.917	ng	95
88) Benzo(b)fluoranthene	14.98	252	295147	12.967	ng	96
89) Benzo(k)fluoranthene	14.98	252	295147	14.160	ng	# 94
90) Benzo(a)pyrene	15.34	252	185379	9.582	ng	97
92) Benzo(g,h,i)perylene	17.25	276	134204	7.397	ng	98

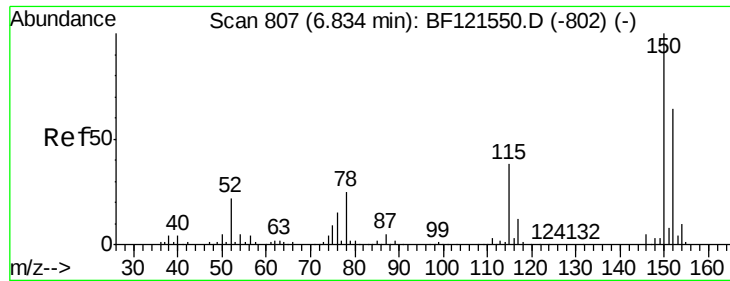
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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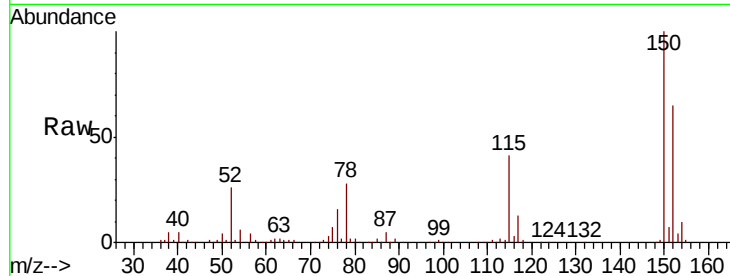


#1

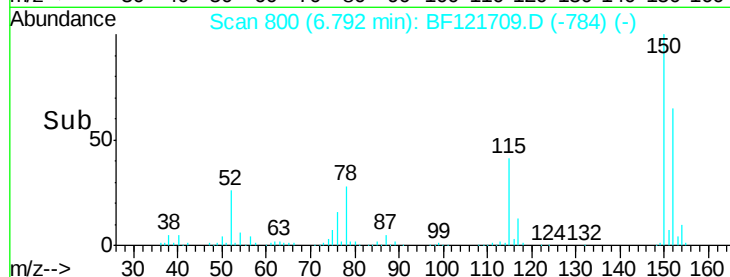
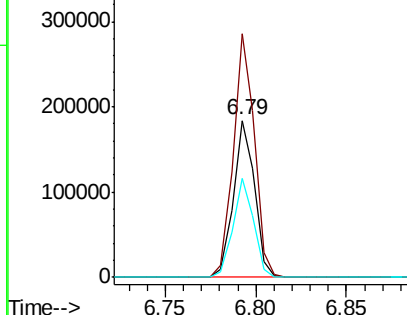
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

Tot Ion:152 Resp: 149082
Ion Ratio Lower Upper
152 100
150 155.0 122.6 184.0
115 62.8 47.1 70.7



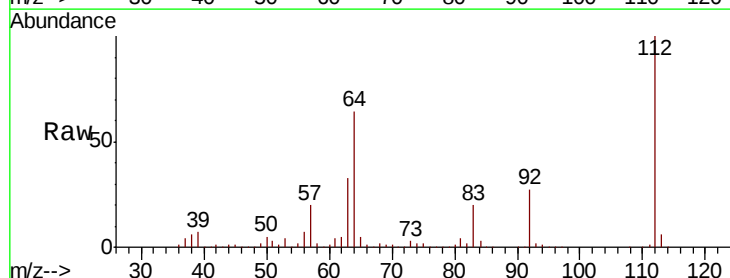
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



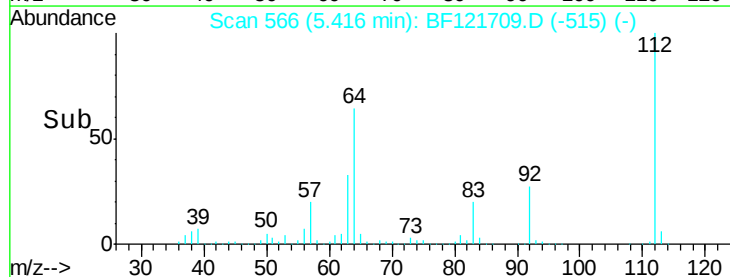
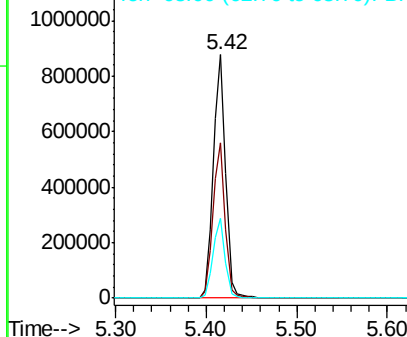
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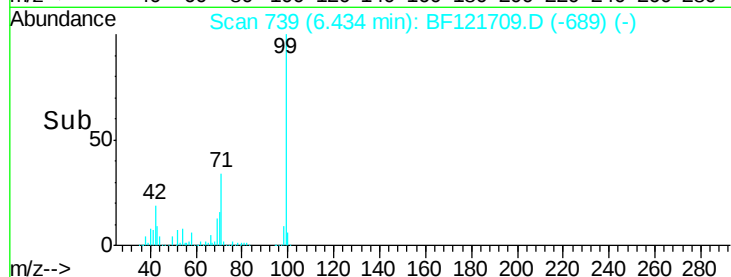
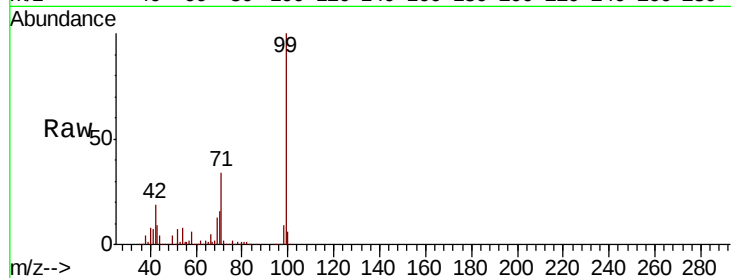
2-Fluorophenol
Concen: 83.299 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion:112 Resp: 835618
Ion Ratio Lower Upper
112 100
64 63.7 49.5 74.3
63 32.6 25.4 38.0



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: 81.179 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

Instrument :

BNA_F

ClientSampleId :

PAV-B26-092420-0-10

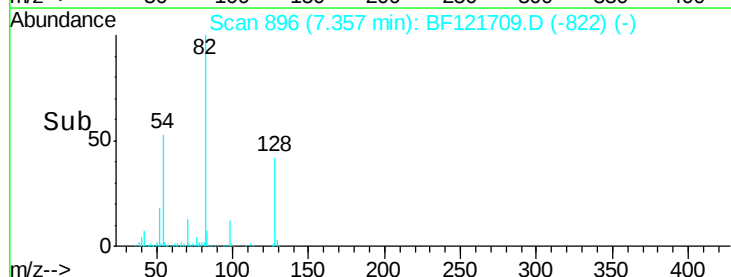
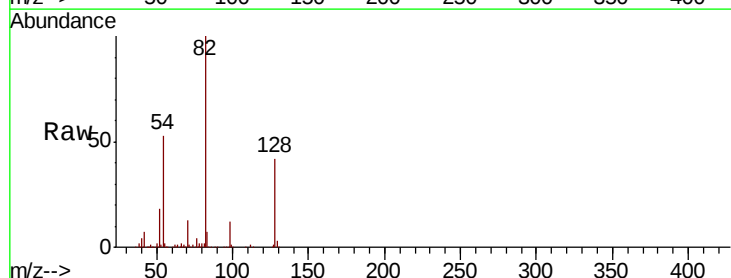
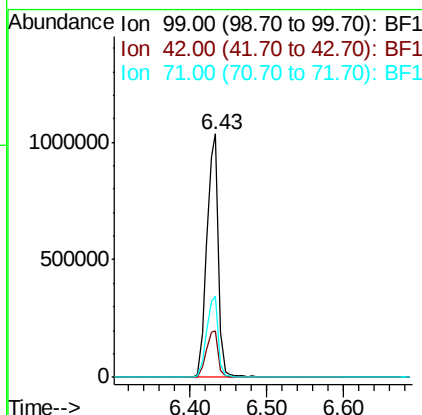
Tot Ion: 99 Resp: 1068381

Ion Ratio Lower Upper

99 100

42 19.1 16.1 24.1

71 33.5 27.6 41.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.801 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

Tgt Ion: 70 Resp: 97097

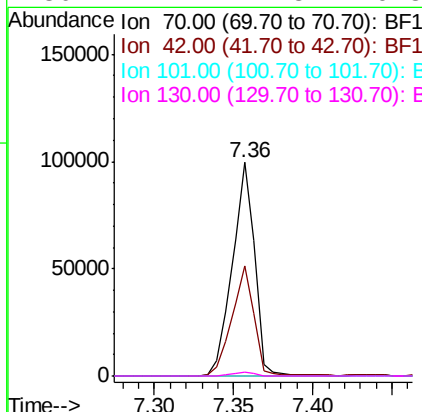
Ion Ratio Lower Upper

70 100

42 51.6 45.8 68.6

101 0.0 7.6 11.4#

130 2.1 17.8 26.8#

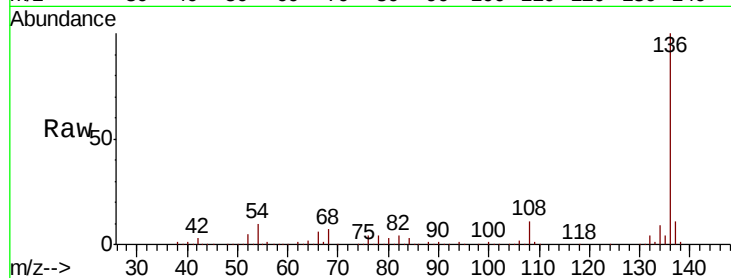




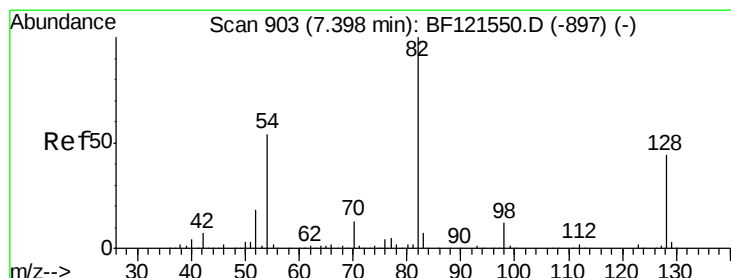
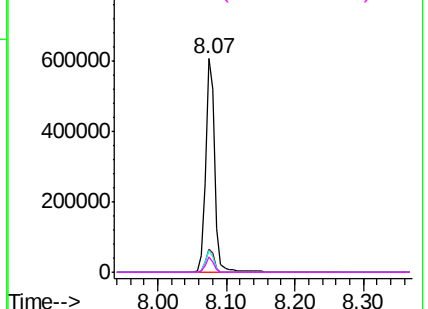
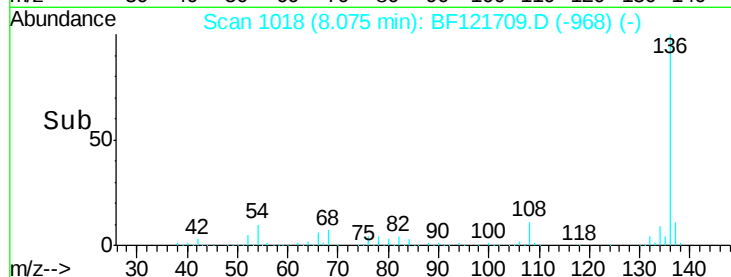
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

Tot Ion:136	Resp:	577558
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.8 13.2
54	9.9	7.5 11.3
68	7.3	5.5 8.3

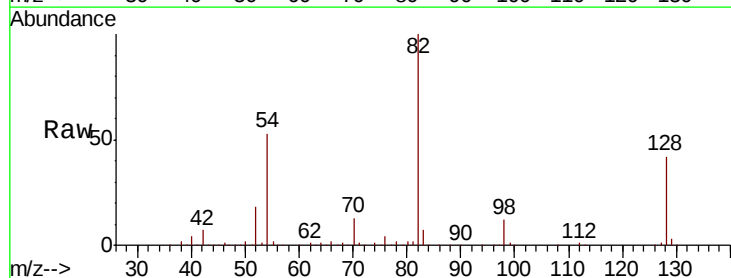


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

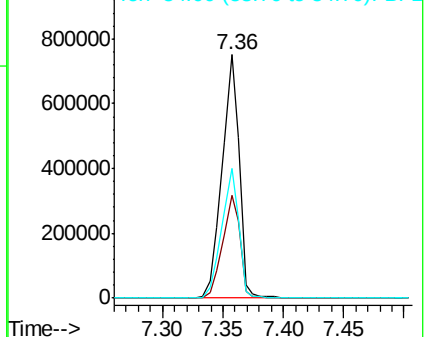
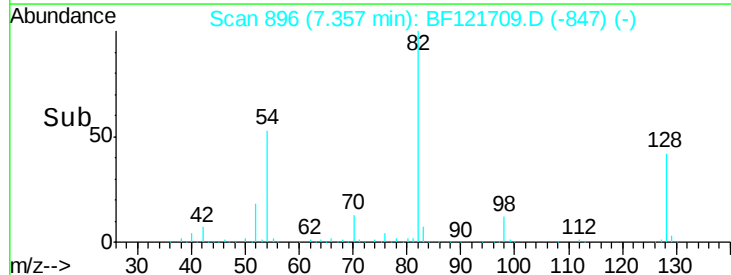


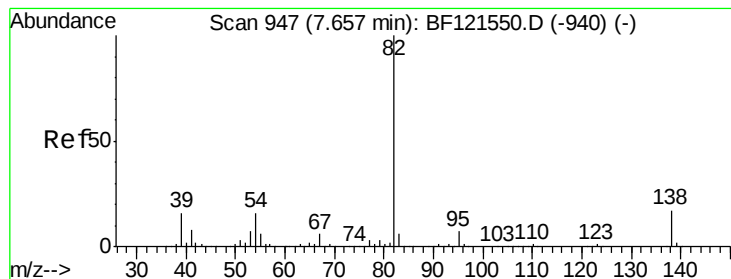
#23
Nitrobenzene-d5
Concen: 68.600 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion: 82	Resp:	737924
Ion	Ratio	Lower Upper
82	100	
128	42.1	35.8 53.6
54	53.4	42.6 63.8



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: 33.631 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

Instrument :

BNA_F

ClientSampleId :

PAV-B26-092420-0-10

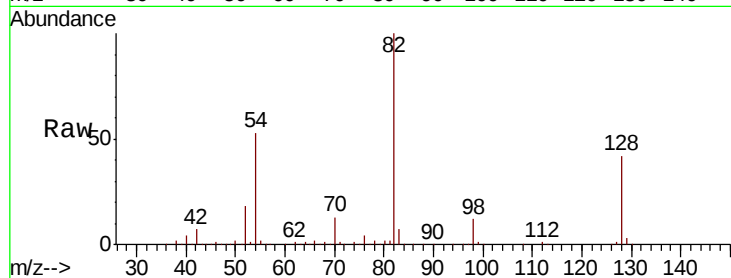
Tot Ion: 82 Resp: 728237

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

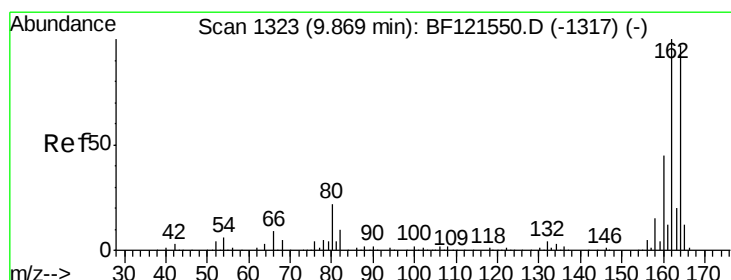
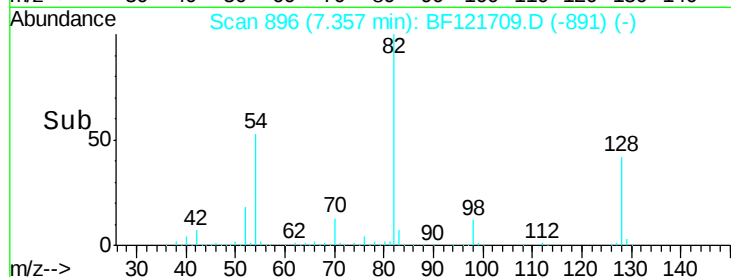
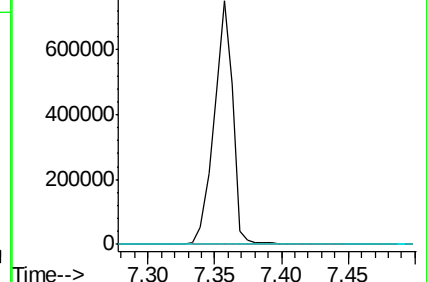
138 0.0 14.2 21.4#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

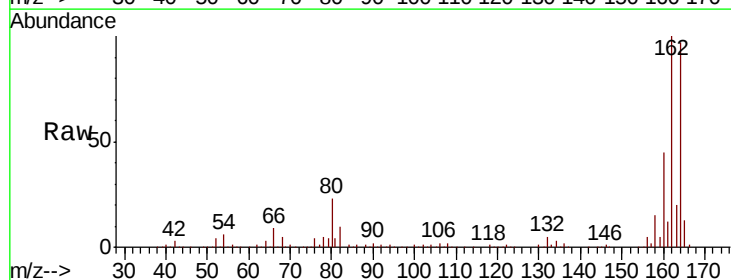
Tgt Ion: 164 Resp: 300143

Ion Ratio Lower Upper

164 100

162 103.4 82.1 123.1

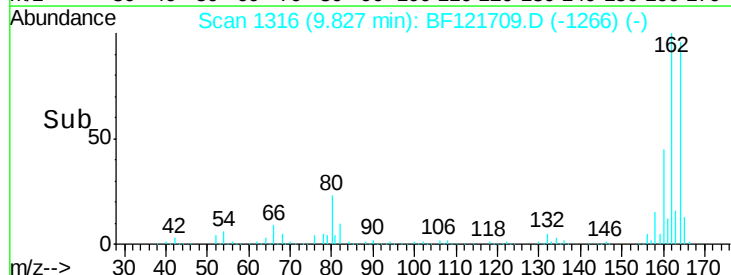
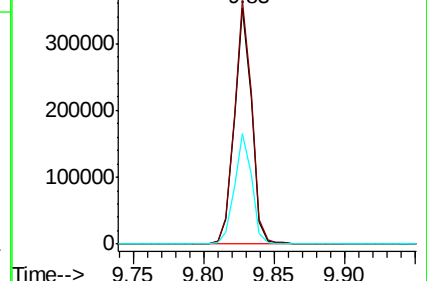
160 47.0 36.8 55.2

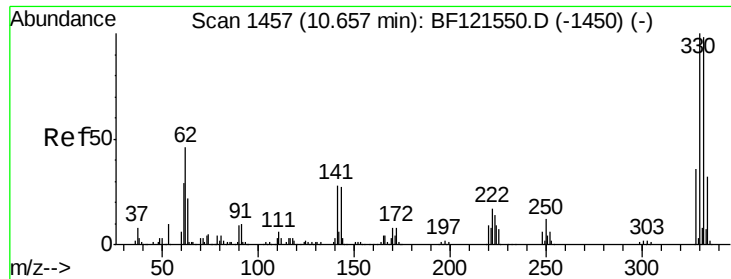


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

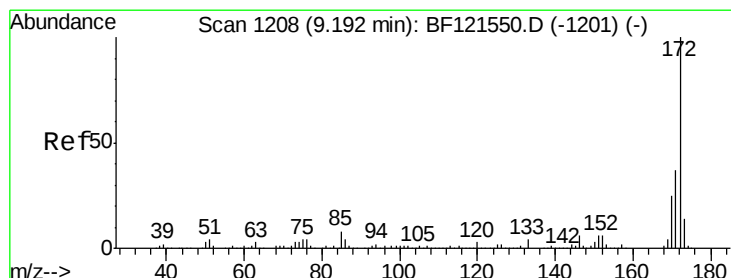
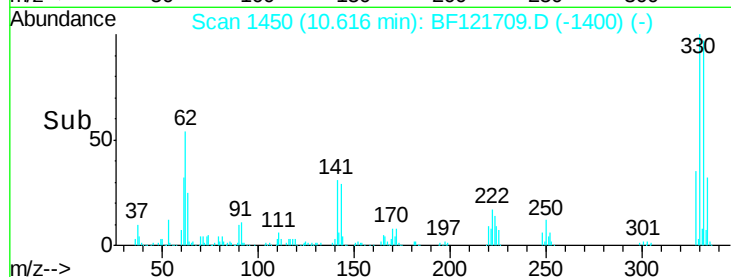
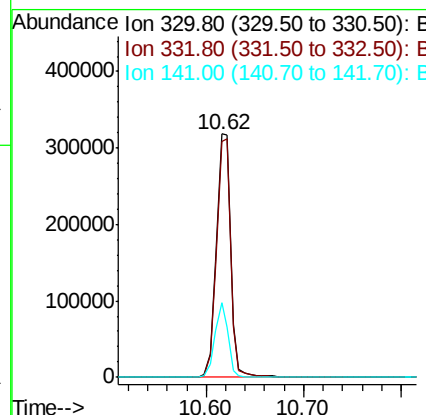
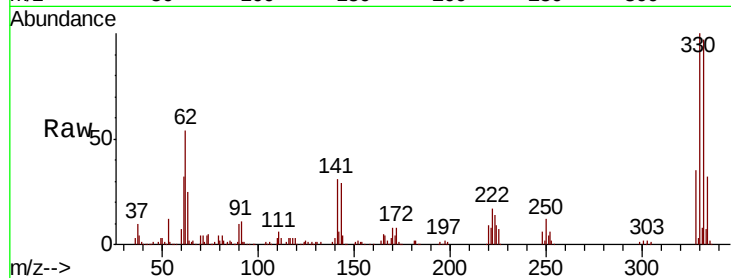




#42
 2,4,6-Tribromophenol
 Concen: 87.554 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF121709.D
 Acq: 28 Sep 2020 13:35

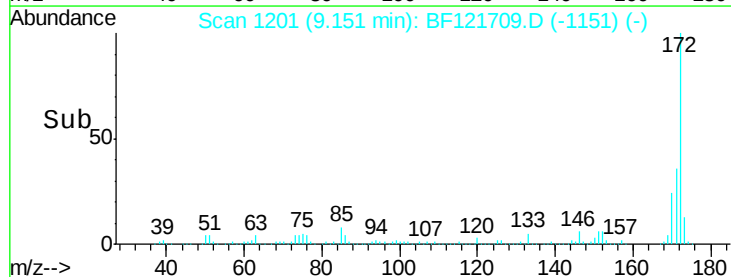
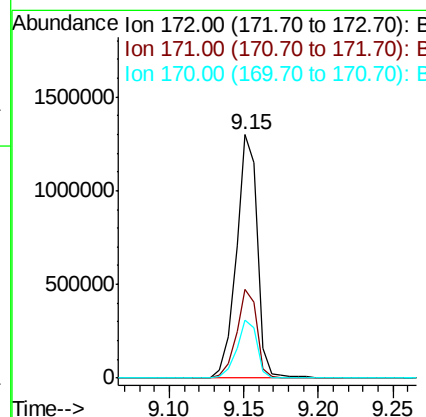
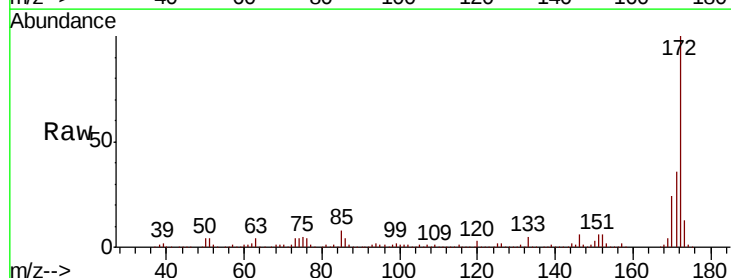
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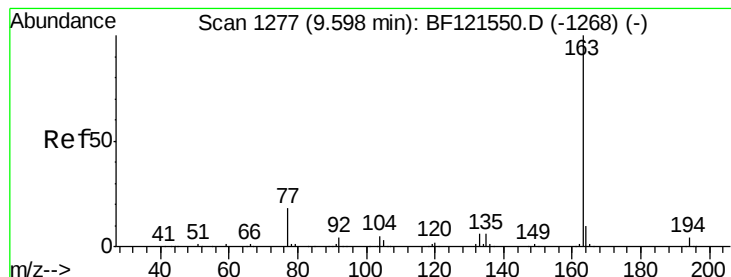
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.0	114.0
141	28.3	22.2	33.4



#45
 2-Fluorobiphenyl
 Concen: 65.052 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121709.D
 Acq: 28 Sep 2020 13:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	23.9	19.5	29.3





#50

Dimethylphthalate

Concen: 5.924 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

Instrument :

BNA_F

ClientSampleId :

PAV-B26-092420-0-10

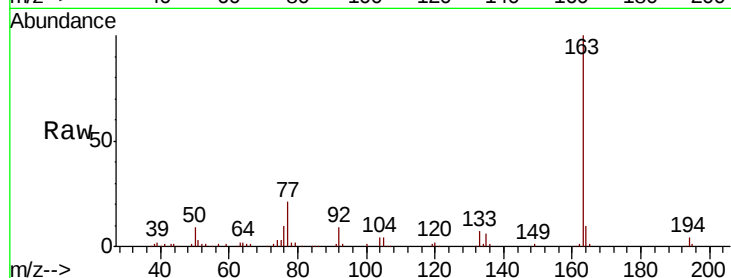
Tot Ion:163 Resp: 128877

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

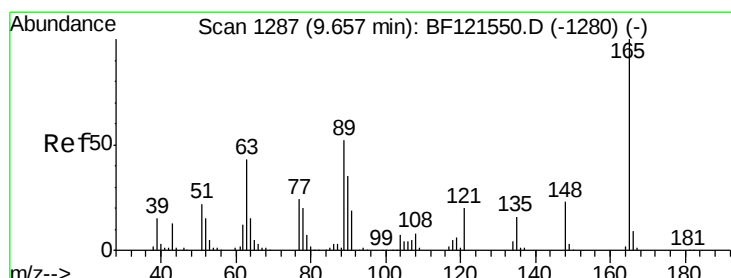
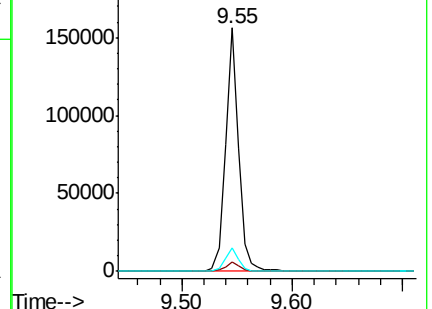
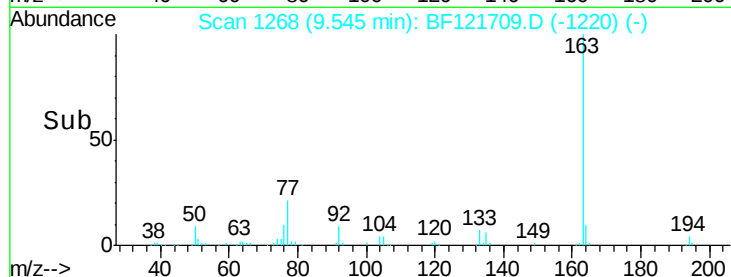
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.435 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

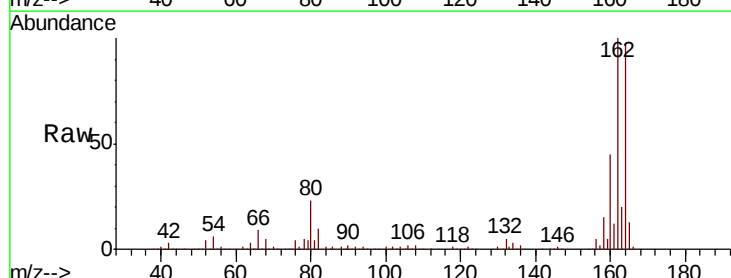
Tgt Ion:165 Resp: 39077

Ion Ratio Lower Upper

165 100

63 1.4 49.8 74.6#

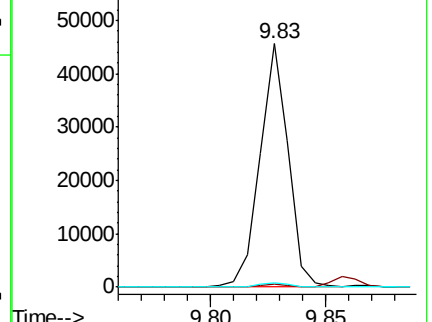
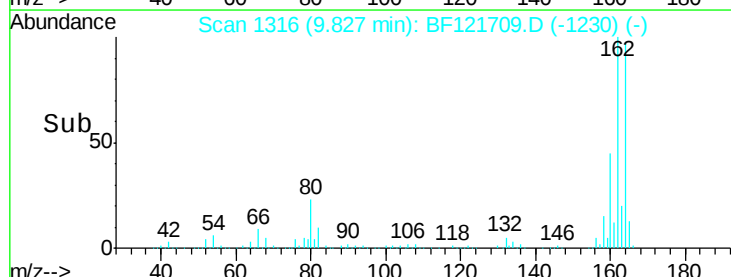
89 1.7 48.2 72.2#



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

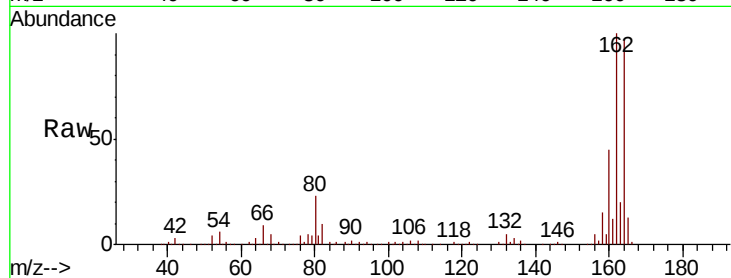




#57
 2,4-Dinitrotoluene
 Concen: 6.705 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.20 min
 Lab File: BF121709.D
 Acq: 28 Sep 2020 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B26-092420-0-10

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.6	55.0#
89	1.7	57.6	86.4#
182	0.0	2.3	3.5#



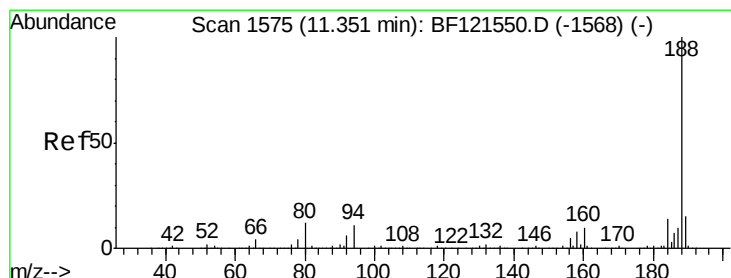
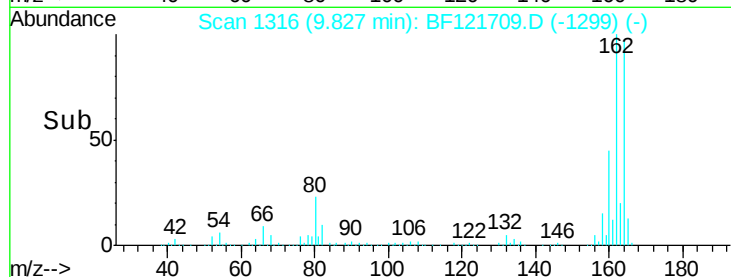
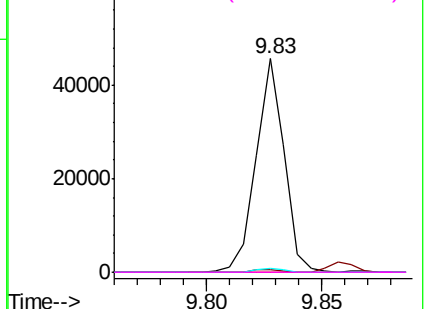
Abundance

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: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF121709.D
 Acq: 28 Sep 2020 13:35

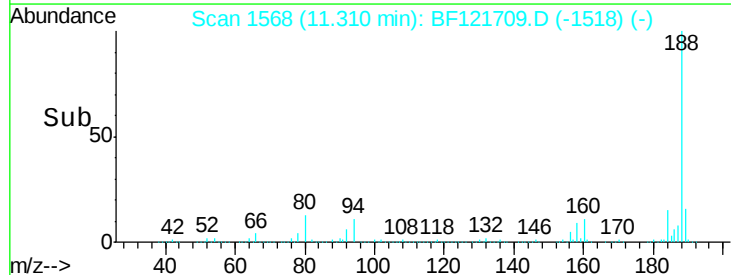
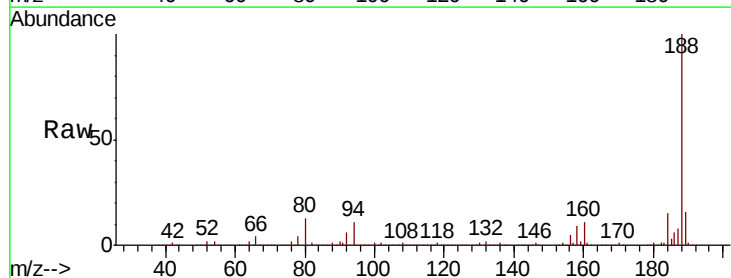
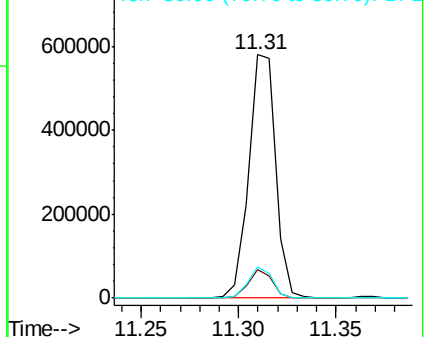
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.4	12.6
80	12.6	9.3	13.9

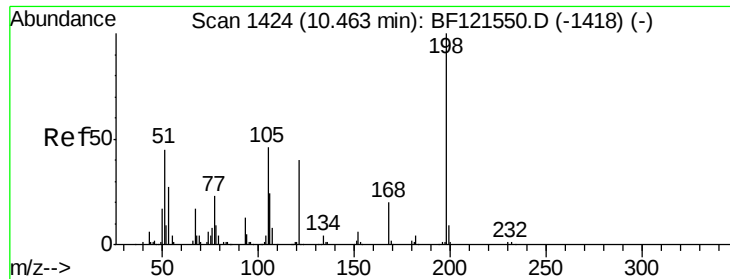
Abundance

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

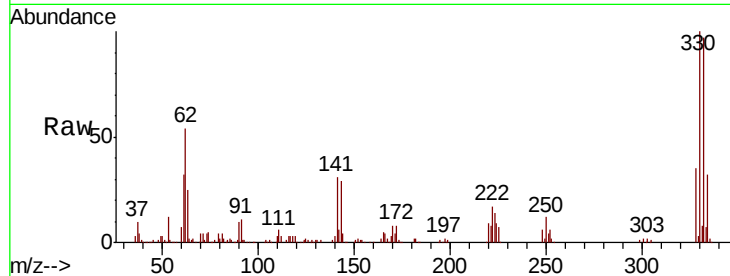




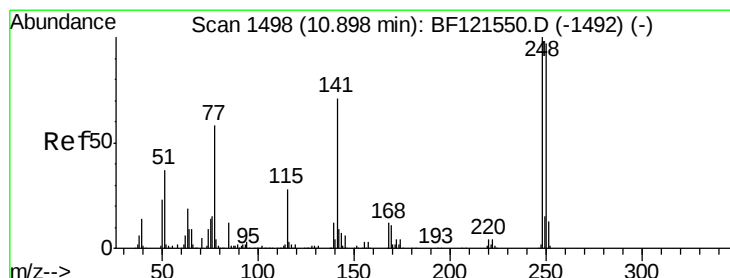
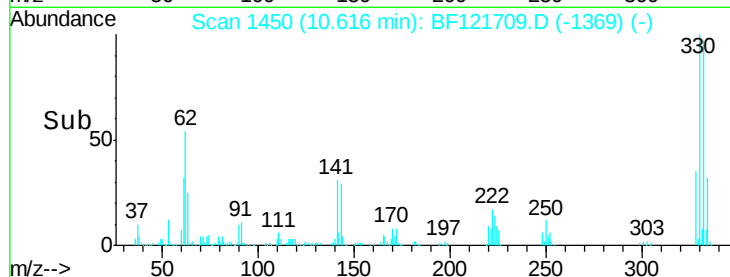
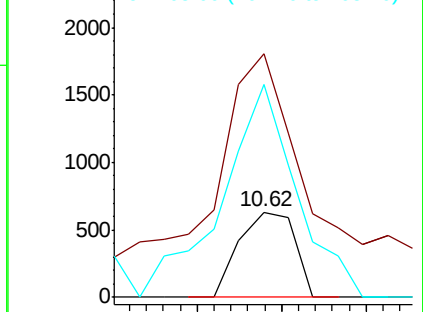
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.998 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.18 min
 Lab File: BF121709.D
 Acq: 28 Sep 2020 13:35

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B26-092420-0-10

Tot Ion	Ratio	Lower	Upper
198	100		
51	286.1	18.8	58.8#
105	250.2	18.5	58.5#

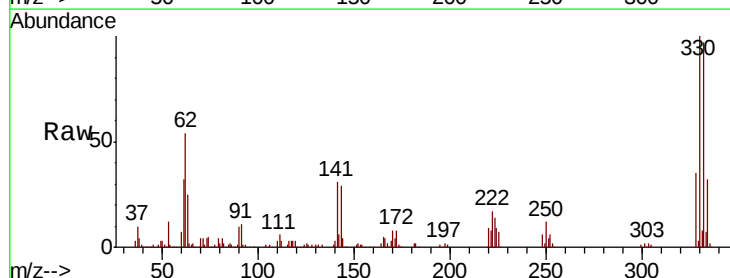


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

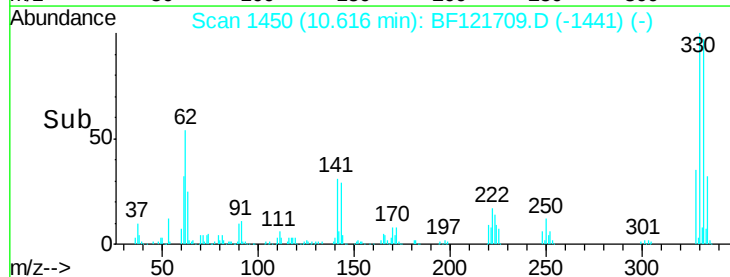
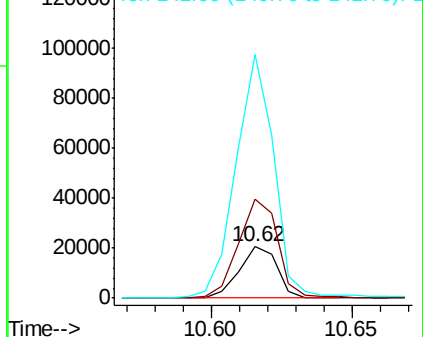


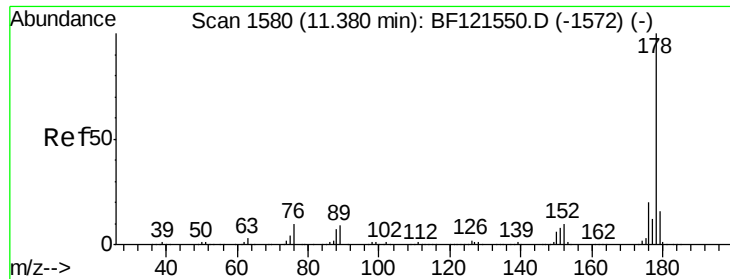
#67
 4-Bromophenyl-phenylether
 Concen: 3.039 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF121709.D
 Acq: 28 Sep 2020 13:35

Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.7	76.8	115.2#
141	474.9	55.7	83.5#



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

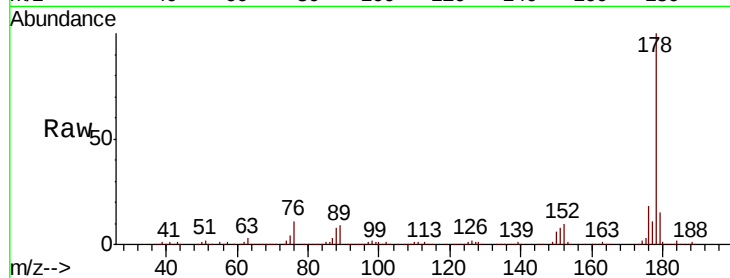




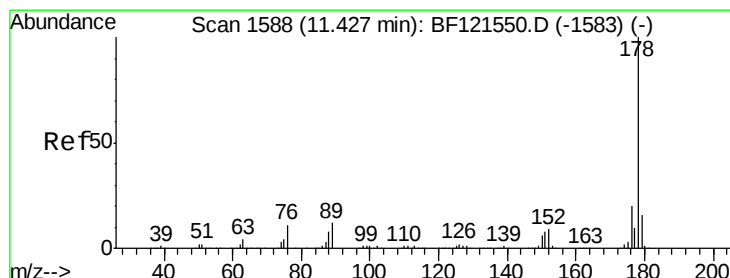
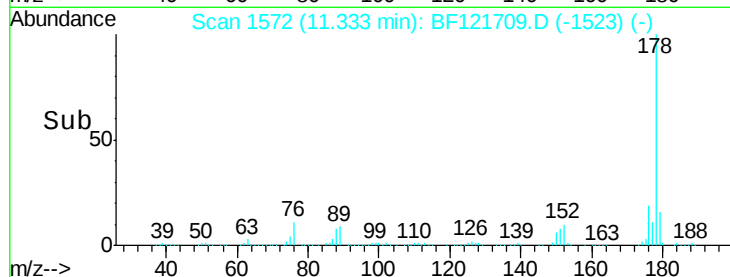
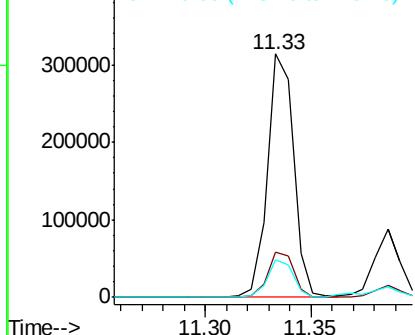
#71
Phenanthrene
Concen: 9.025 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

Tot Ion:178 Resp: 272639
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 15.5 12.5 18.7

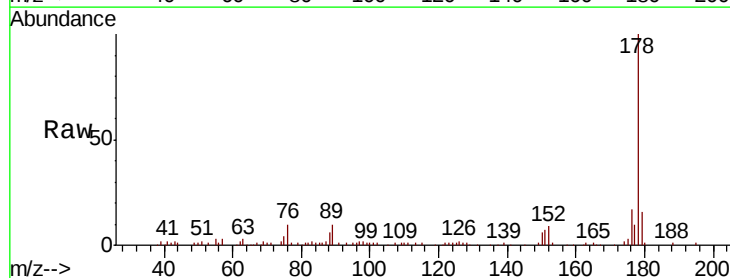


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

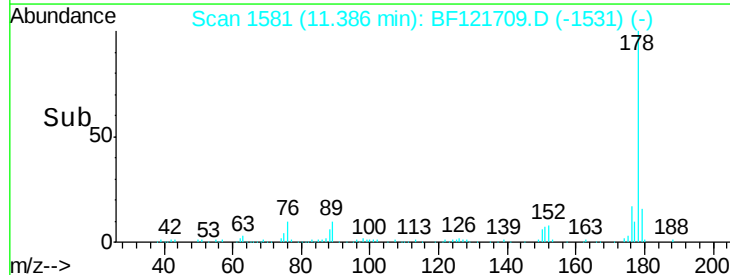
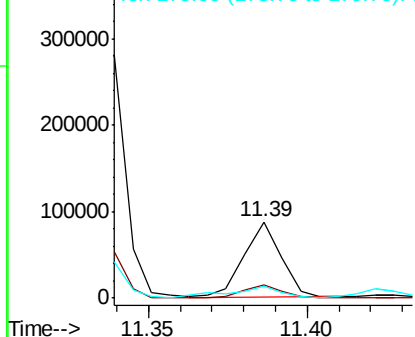


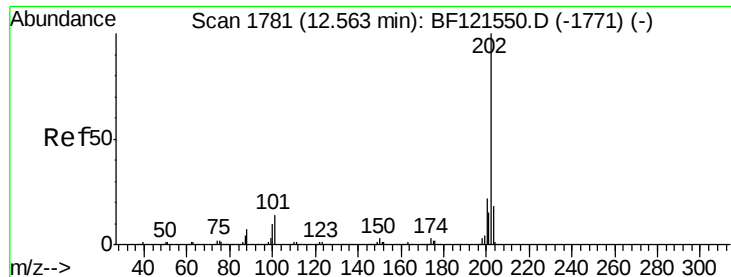
#72
Anthracene
Concen: 2.291 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion:178 Resp: 71412
Ion Ratio Lower Upper
178 100
176 17.2 15.6 23.4
179 15.6 12.7 19.1



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





#75

Fluoranthene

Concen: 13.869 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

Instrument :

BNA_F

ClientSampleId :

PAV-B26-092420-0-10

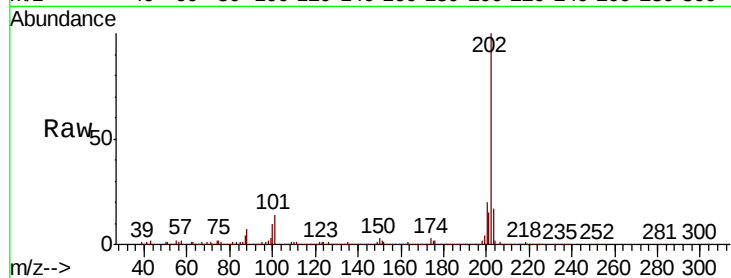
Tot Ion:202 Resp: 447263

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.7

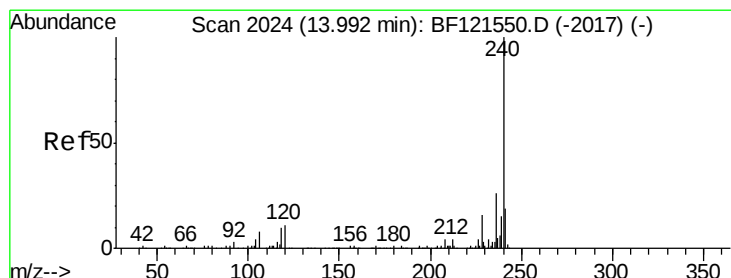
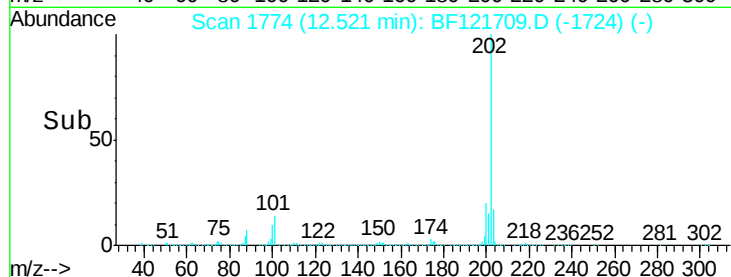
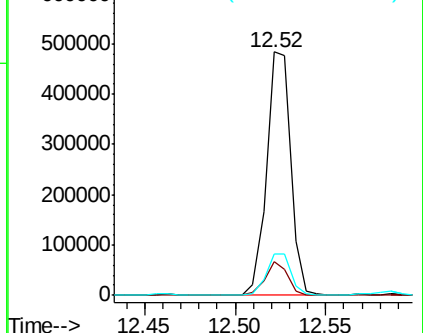
203 17.2 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

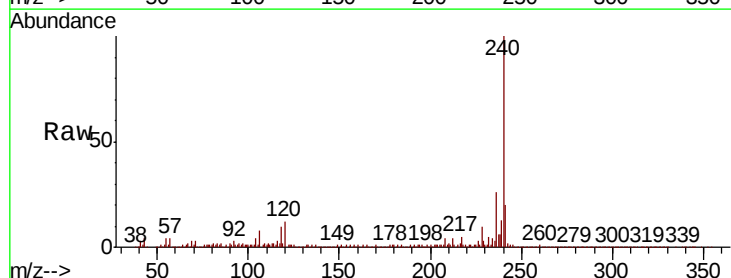
Tgt Ion:240 Resp: 370551

Ion Ratio Lower Upper

240 100

120 11.8 9.1 13.7

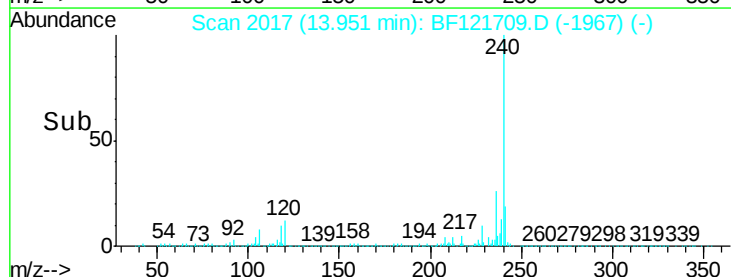
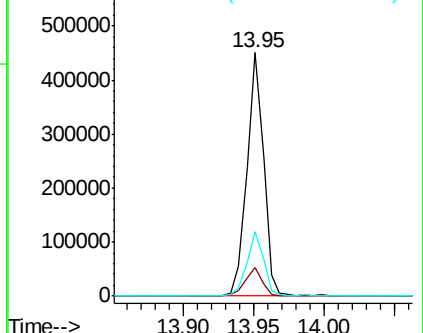
236 26.4 20.6 30.8

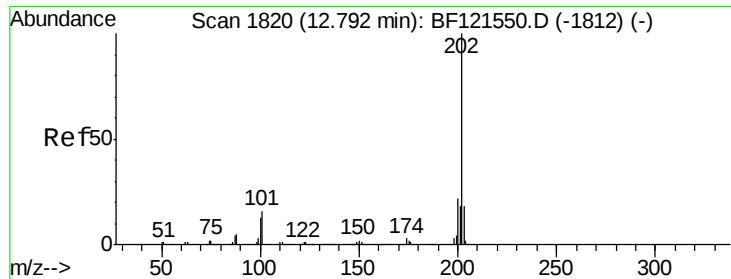


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

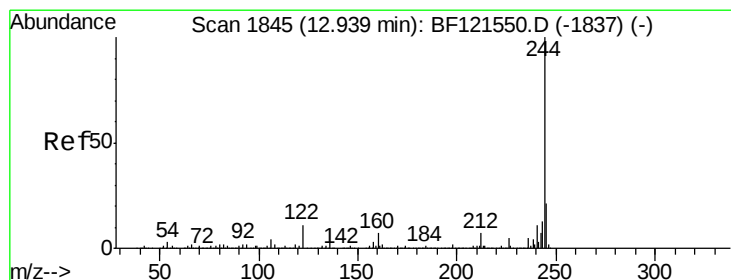
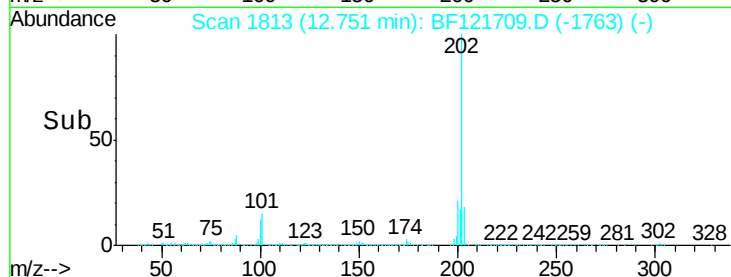
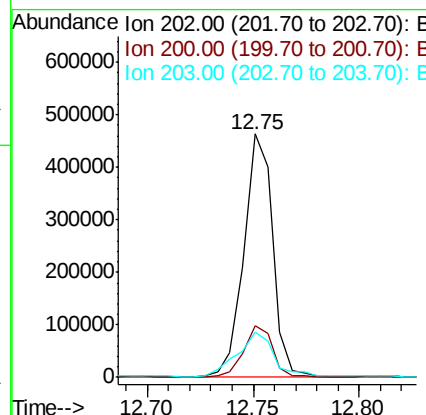
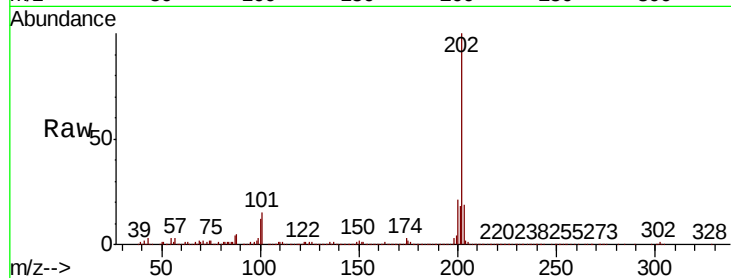




#78
Pvrene
Concen: 16.115 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

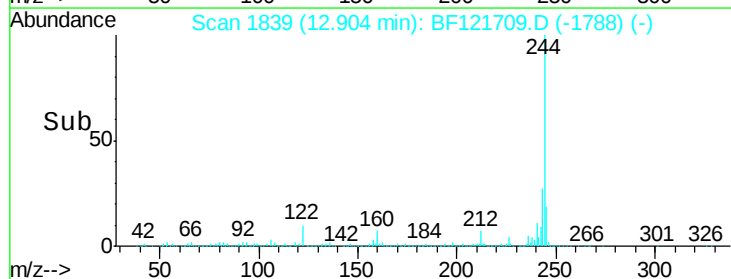
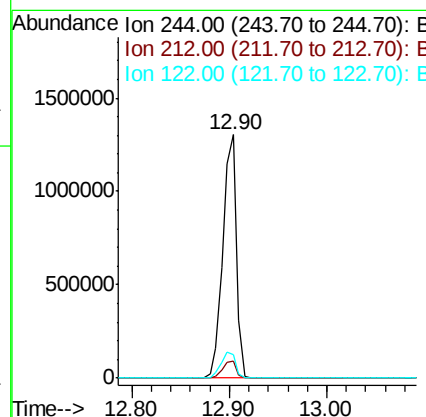
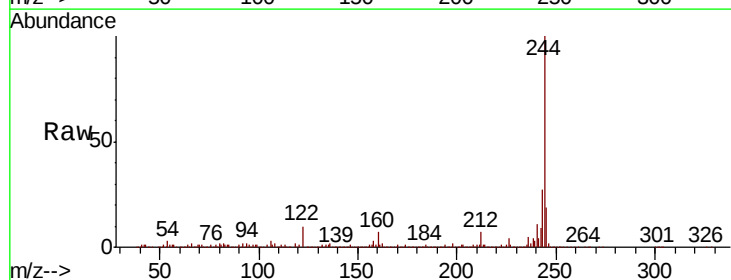
Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

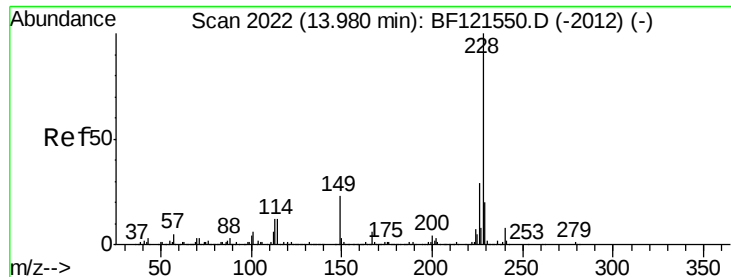
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.8
203	18.6	14.3	21.5



#79
Terphenyl-d14
Concen: 68.726 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.7	8.0	12.0

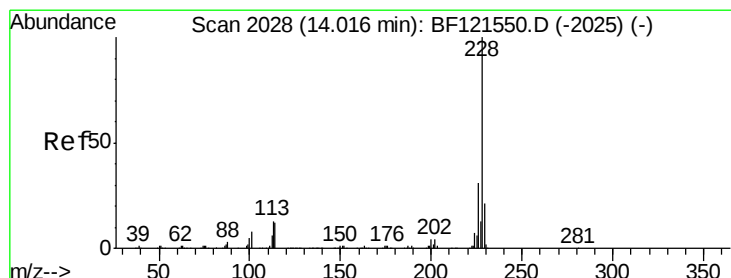
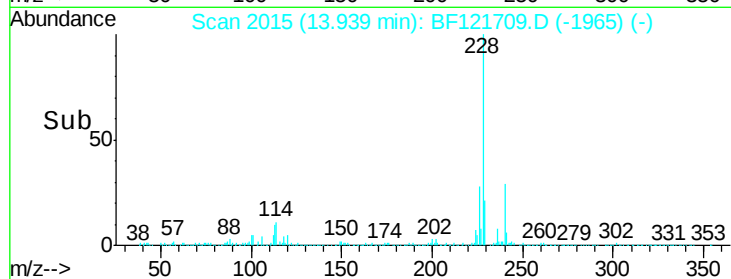
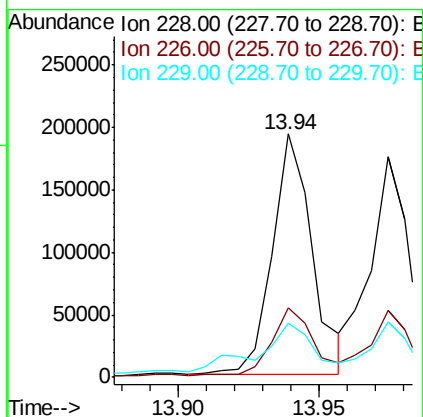
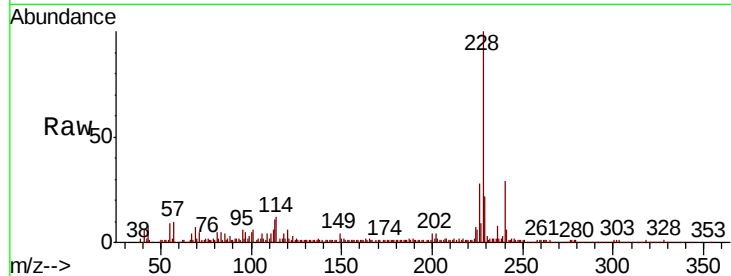




#81
Benzo(a)anthracene
Concen: 8.026 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

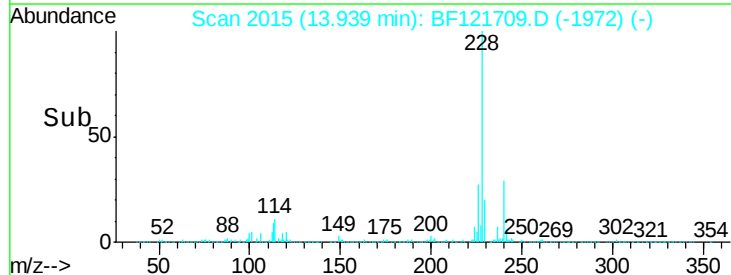
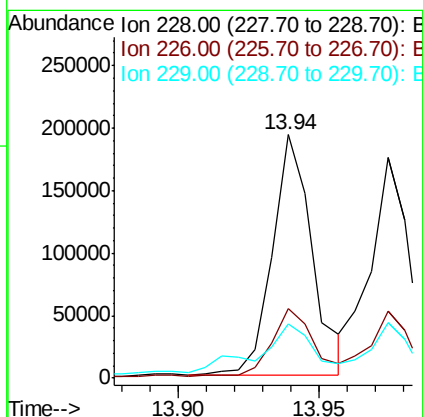
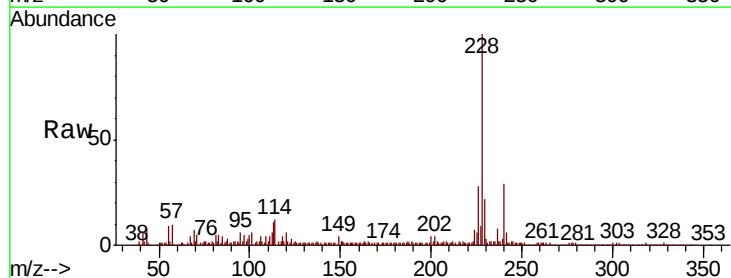
Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

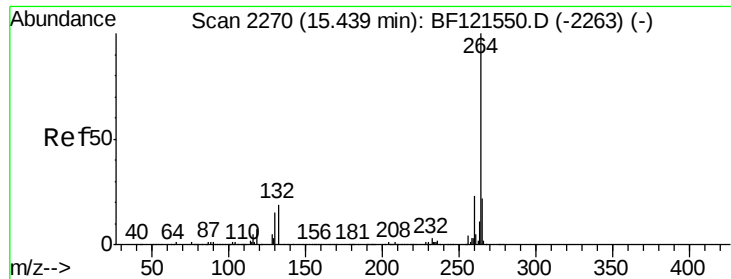
Tot Ion:228 Resp: 188141
Ion Ratio Lower Upper
228 100
226 28.4 22.5 33.7
229 22.1 16.2 24.4



#83
Chrysene
Concen: 7.925 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.05 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion:228 Resp: 188141
Ion Ratio Lower Upper
228 100
226 28.4 25.0 37.4
229 22.1 16.0 24.0

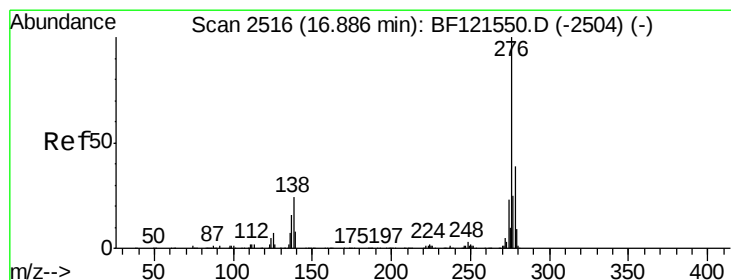
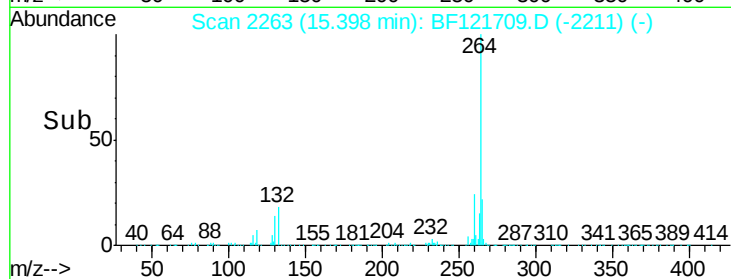
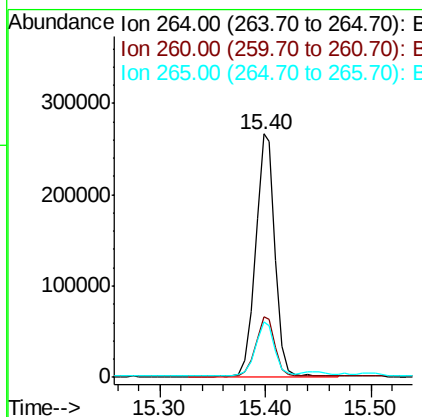
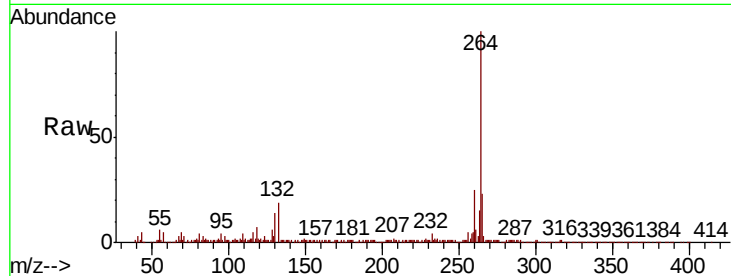




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

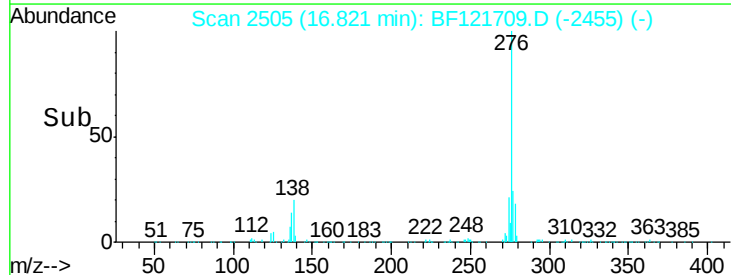
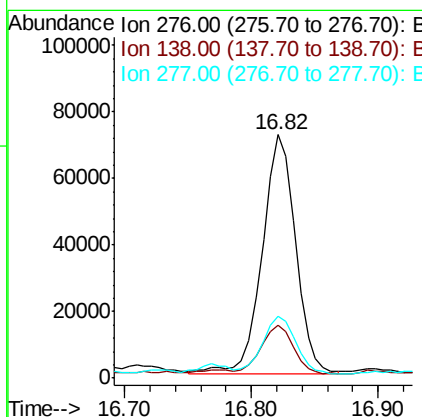
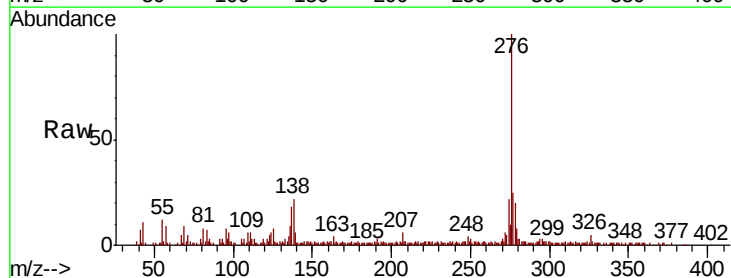
Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

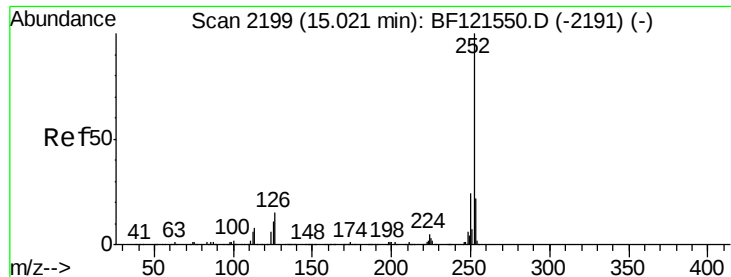
Tot Ion:264 Resp: 340472
Ion Ratio Lower Upper
264 100
260 24.7 18.4 27.6
265 22.9 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.917 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion:276 Resp: 131187
Ion Ratio Lower Upper
276 100
138 19.9 19.5 29.3
277 24.5 20.2 30.4

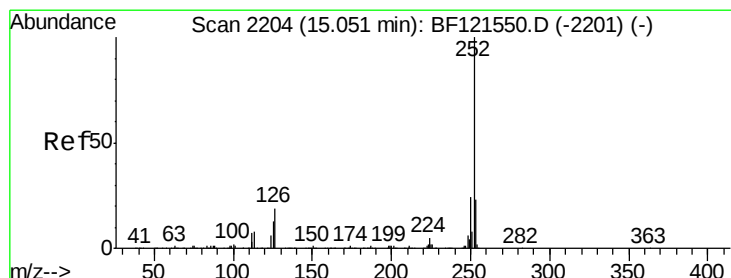
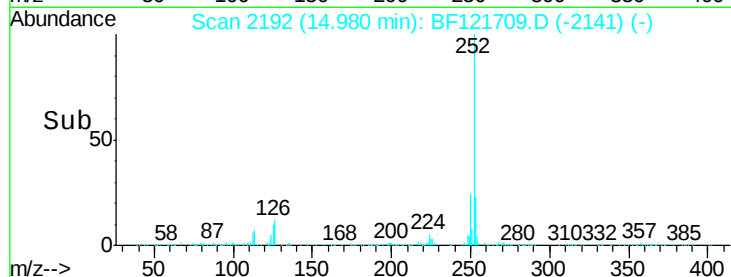
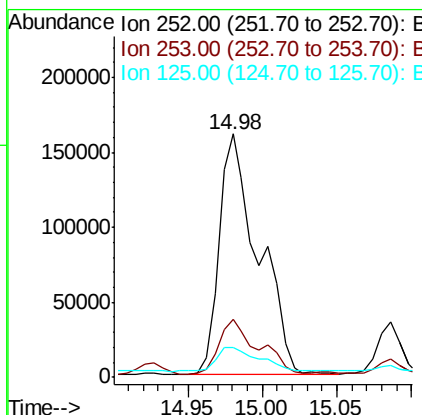
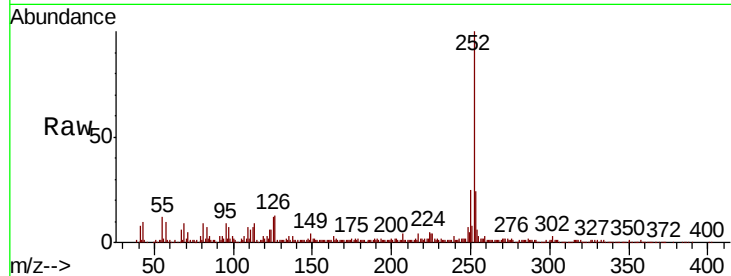




#88
Benzo(b)fluoranthene
Concen: 12.967 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

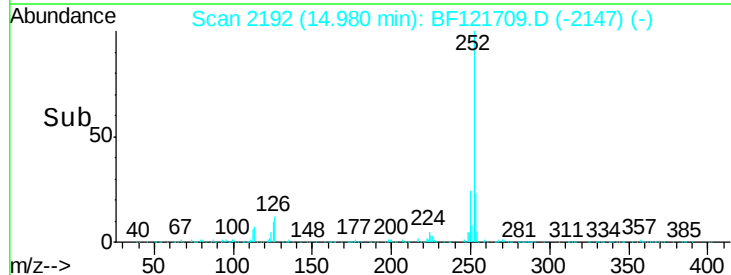
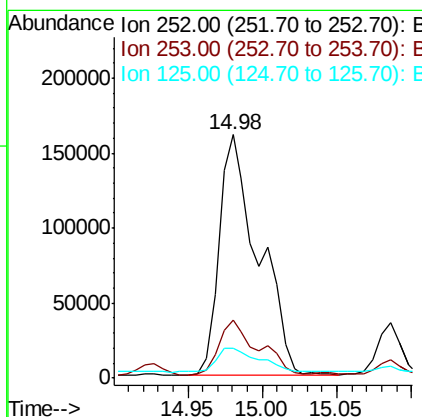
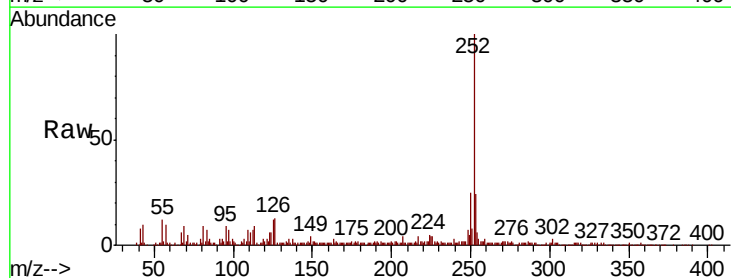
Instrument :
BNA_F
ClientSampleId :
PAV-B26-092420-0-10

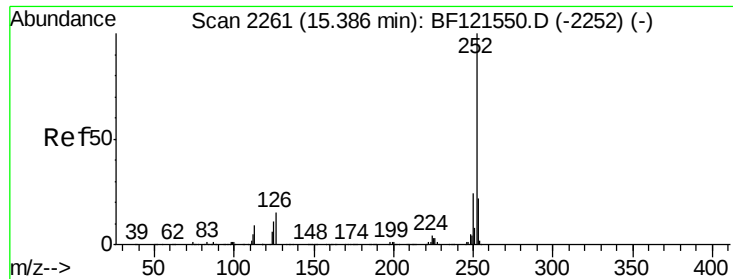
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	12.5	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 14.160 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF121709.D
Acq: 28 Sep 2020 13:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	12.5	7.1	10.7#





#90

Benzo(a)pyrene

Concen: 9.582 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

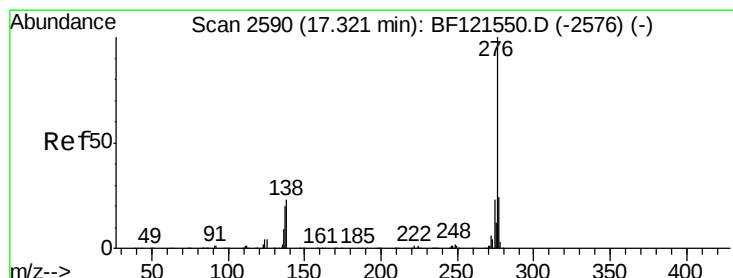
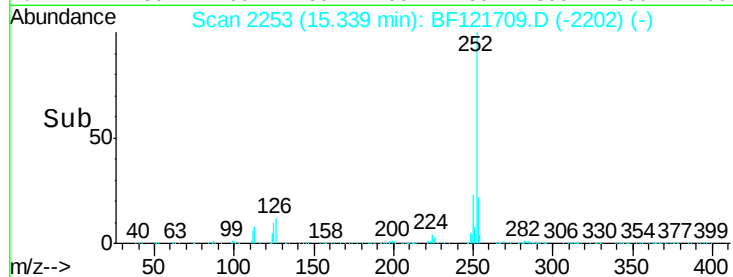
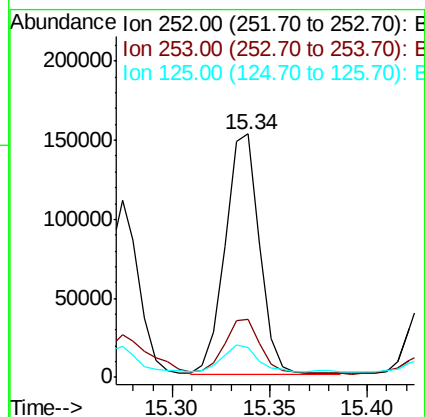
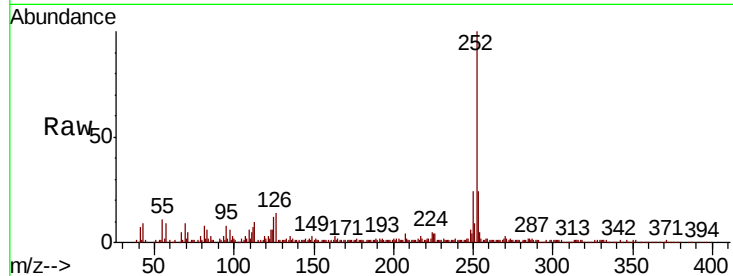
Instrument :

BNA_F

ClientSampleId :

PAV-B26-092420-0-10

Tot Ion:252	Resp:	185379
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.4 26.2
125	12.2	9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 7.397 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF121709.D

Acq: 28 Sep 2020 13:35

Tgt Ion:276	Resp:	134204
Ion Ratio	Lower	Upper
276	100	
277	24.2	18.8 28.2
138	22.3	16.6 25.0

