

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092220\
 Data File : BF121663.D
 Acq On : 23 Sep 2020 3:04
 Operator : JU/CG
 Sample : L4104-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-0-10

Quant Time: Sep 23 05:24:49 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	161476	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	630088	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	316182	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	524893	20.00	ng	0.00
76) Chrysene-d12	13.97	240	308830	20.00	ng	-0.01
86) Perylene-d12	15.43	264	314627	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	770868	70.95	ng	0.00
7) Phenol-d6	6.45	99	1005420	70.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	686321	58.48	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	283239	72.08	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1204974	57.72	ng	0.00
79) Terphenyl-d14	12.92	244	898632	58.95	ng	0.00

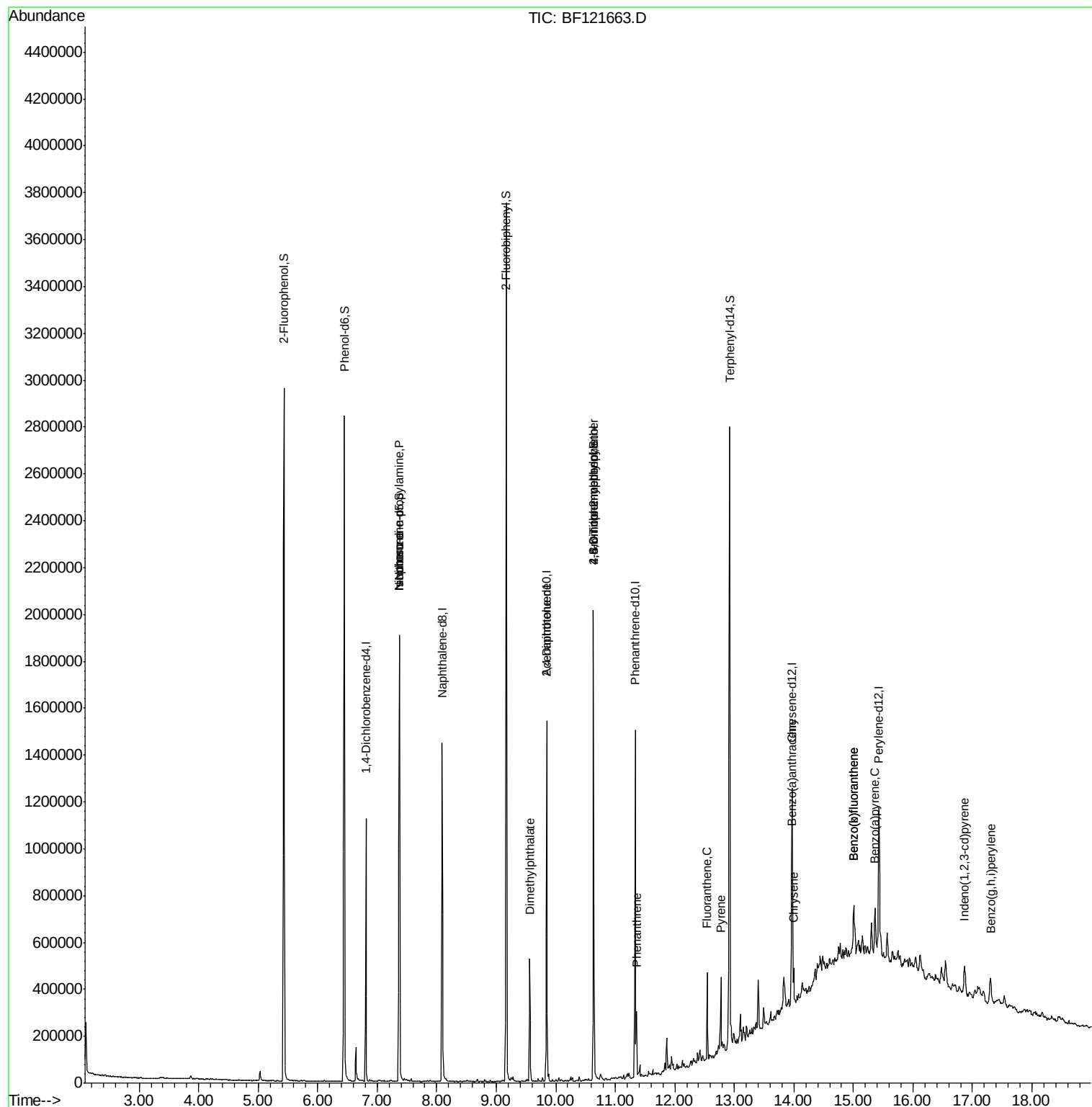
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	91896	11.186	ng	# 79
25) Isophorone	7.37	82	676255	28.627	ng	# 67
50) Dimethylphthalate	9.56	163	198780	8.674	ng	100
57) 2,4-Dinitrotoluene	9.85	165	40368	6.575	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.63	198	664	7.029	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	16389	2.742	ng	# 1
71) Phenanthrene	11.36	178	98656	3.450	ng	98
75) Fluoranthene	12.54	202	143517	4.701	ng	98
78) Pyrene	12.77	202	135241	5.994	ng	98
81) Benzo(a)anthracene	13.96	228	70978	3.633	ng	97
83) Chrysene	14.00	228	69983	3.537	ng	95
87) Indeno(1,2,3-cd)pyrene	16.87	276	82475	4.025	ng	97
88) Benzo(b)fluoranthene	15.00	252	140777	6.693	ng	# 97
89) Benzo(k)fluoranthene	15.00	252	140777	7.309	ng	# 97
90) Benzo(a)pyrene	15.36	252	92154	5.154	ng	# 93
92) Benzo(g,h,i)perylene	17.30	276	86094	5.135	ng	98

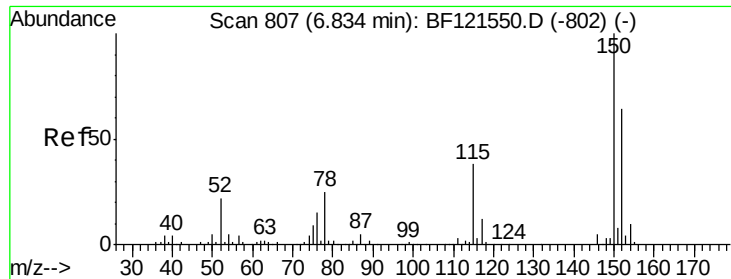
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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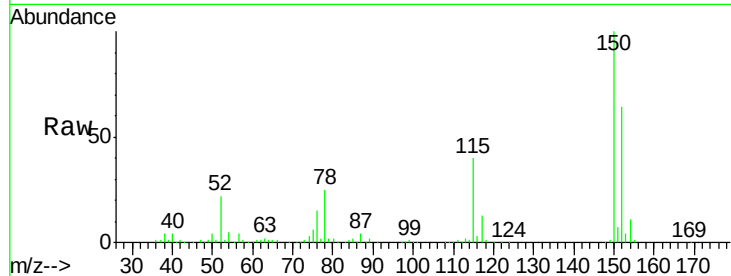


#1

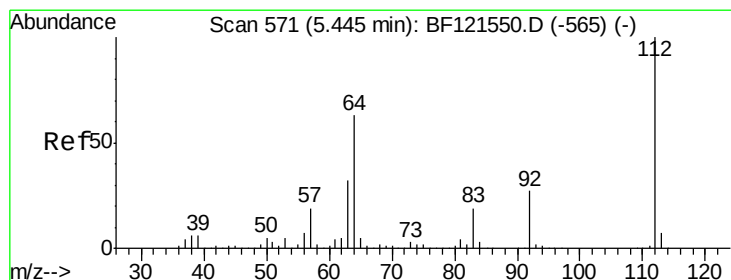
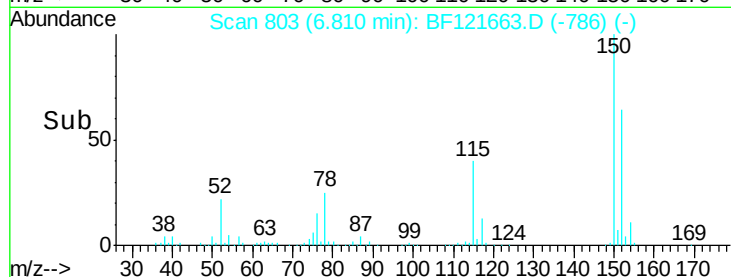
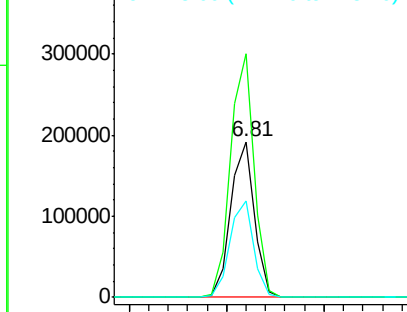
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-0-10

Tot Ion:152 Resp: 161476
Ion Ratio Lower Upper
152 100
150 156.5 128.1 192.1
115 62.2 52.6 79.0



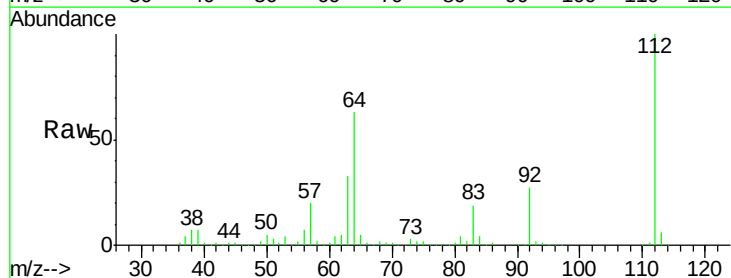
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



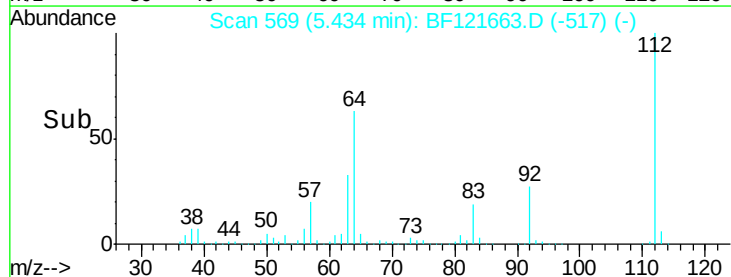
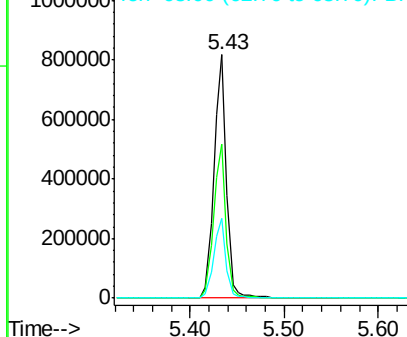
#5

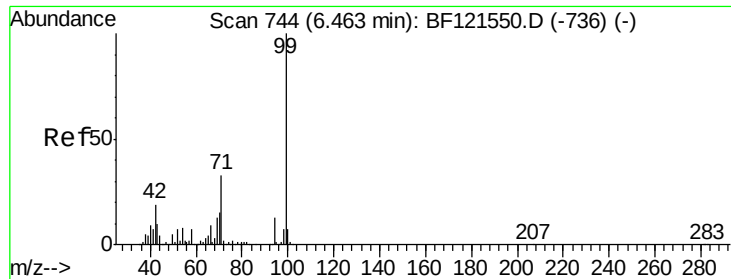
2-Fluorophenol
Concen: 70.946 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

Tgt Ion:112 Resp: 770868
Ion Ratio Lower Upper
112 100
64 63.3 52.2 78.2
63 32.7 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: 70.531 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-0-10

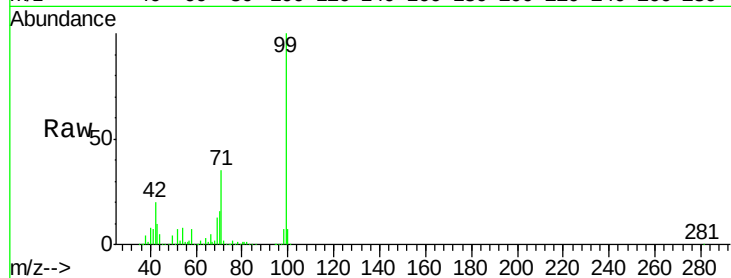
Tot Ion: 99 Resp: 1005420

Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.5	23.3
71	35.3	27.4	41.2

99 100

42 20.1 15.5 23.3

71 35.3 27.4 41.2



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

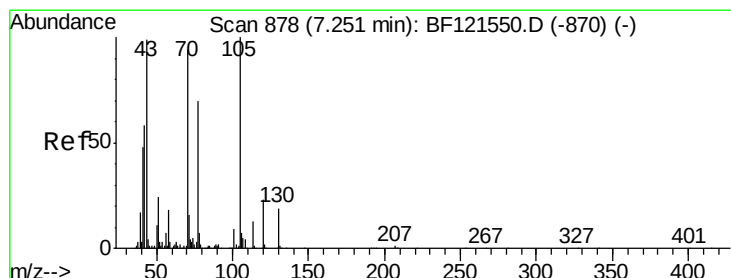
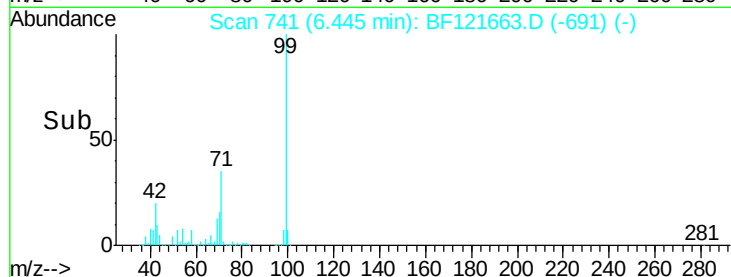
1000000

500000

0

6.45

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 11.186 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Tgt Ion: 70 Resp: 91896

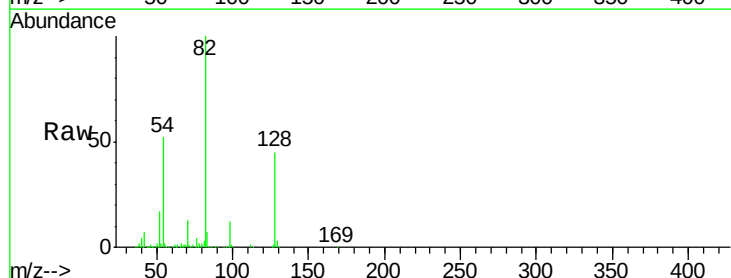
Ion	Ratio	Lower	Upper
70	100		
42	49.9	48.3	72.5
101	0.0	7.6	11.4#
130	2.3	15.9	23.9#

70 100

42 49.9 48.3 72.5

101 0.0 7.6 11.4#

130 2.3 15.9 23.9#



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

120000

100000

80000

60000

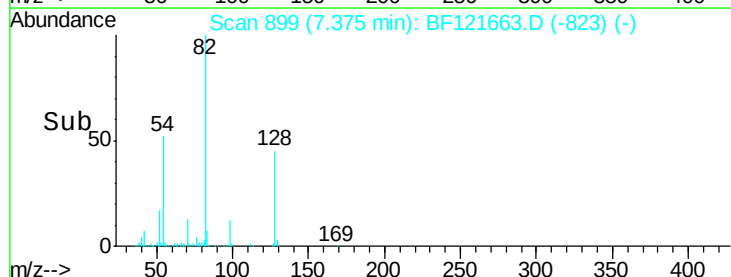
40000

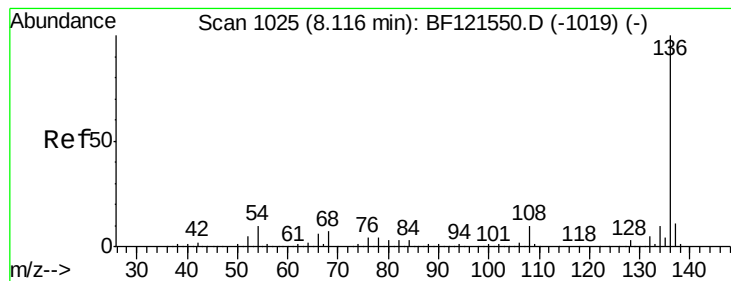
20000

0

7.37

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-0-10

Tot Ion:136 Resp: 630088

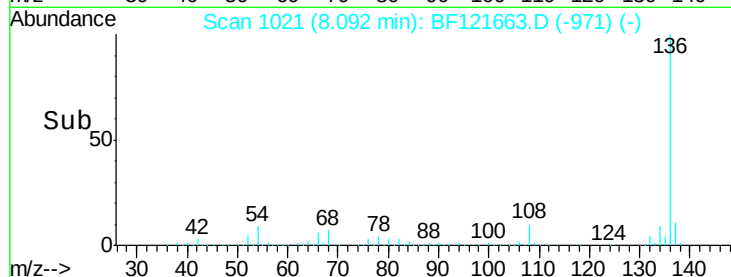
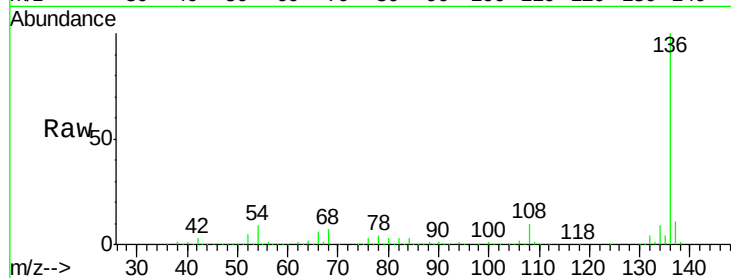
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.0 7.4 11.0

68 6.7 5.3 7.9

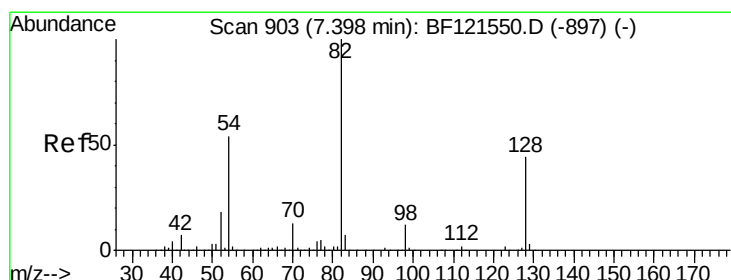
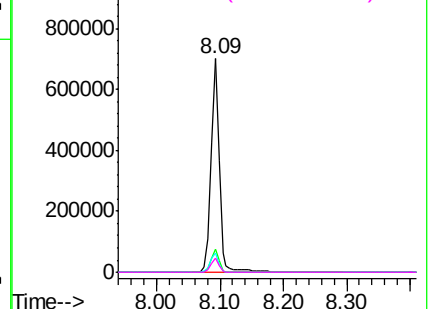


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.484 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

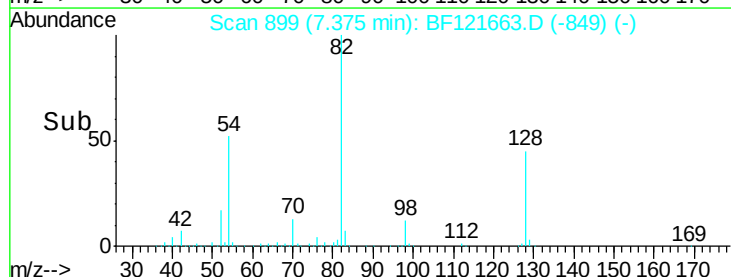
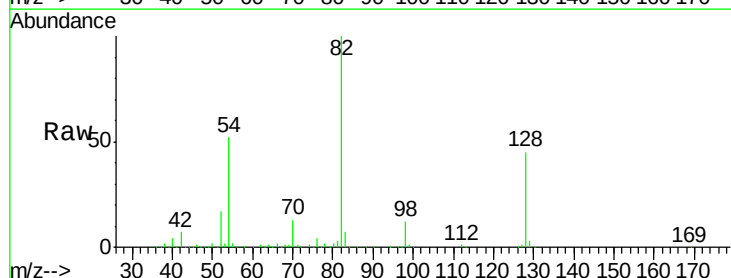
Tgt Ion: 82 Resp: 686321

Ion Ratio Lower Upper

82 100

128 44.9 33.9 50.9

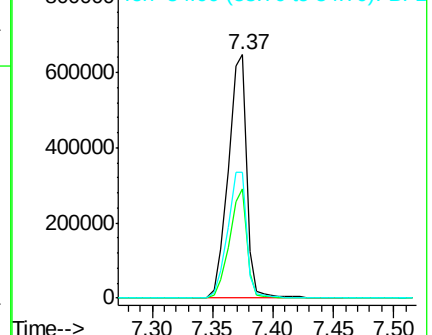
54 51.9 42.9 64.3

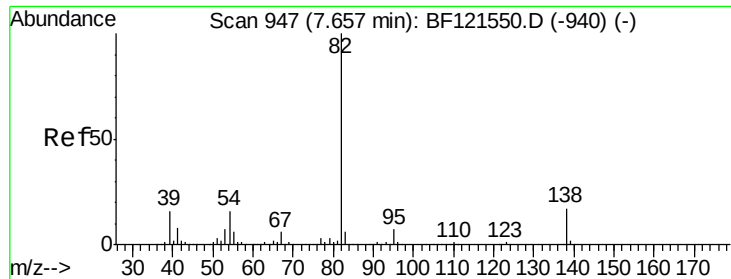


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.627 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-0-10

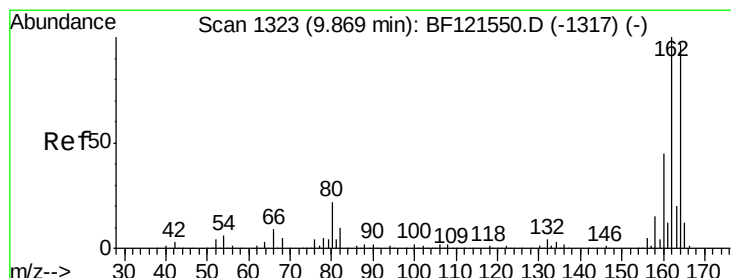
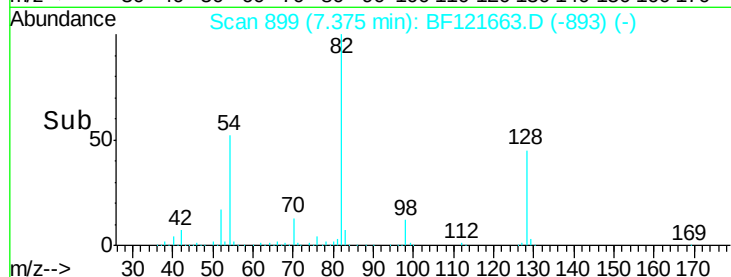
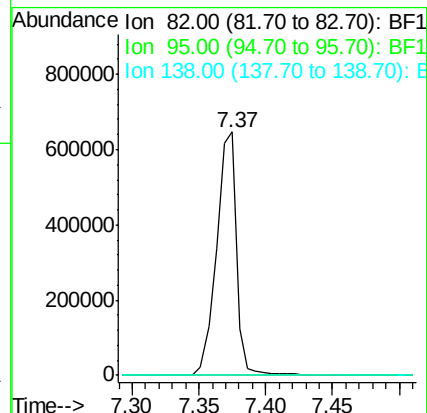
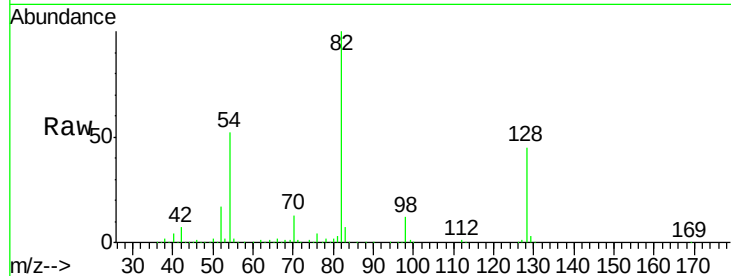
Tot Ion: 82 Resp: 676255

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.2 19.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

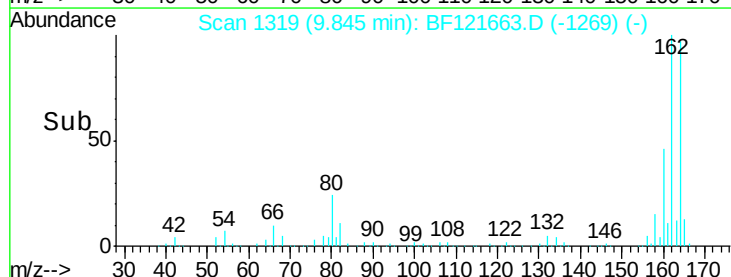
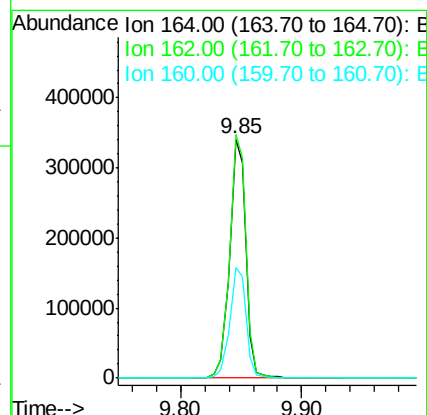
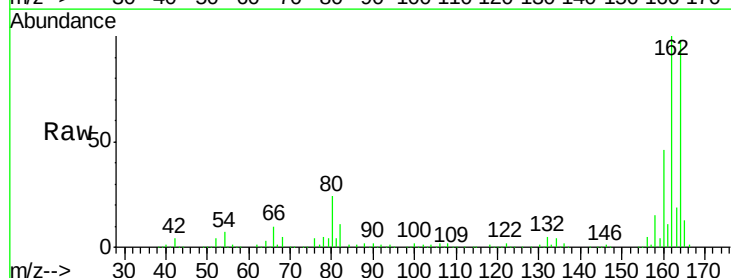
Tgt Ion: 164 Resp: 316182

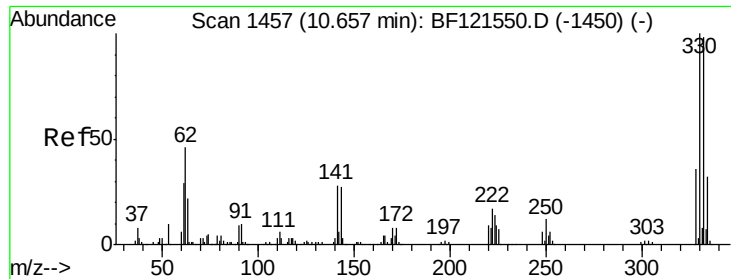
Ion Ratio Lower Upper

164 100

162 102.0 81.2 121.8

160 46.5 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 72.076 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF121663.D

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PAV-B29-092120-0-10

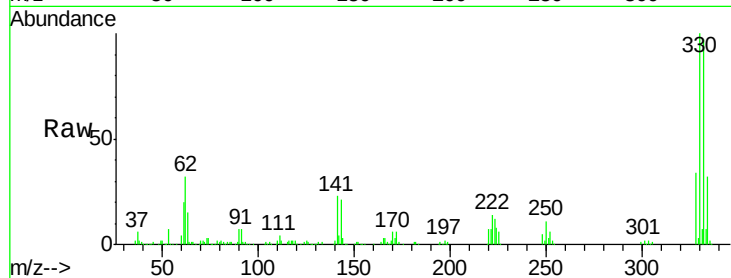
Tot Ion:330 Resp: 283239

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

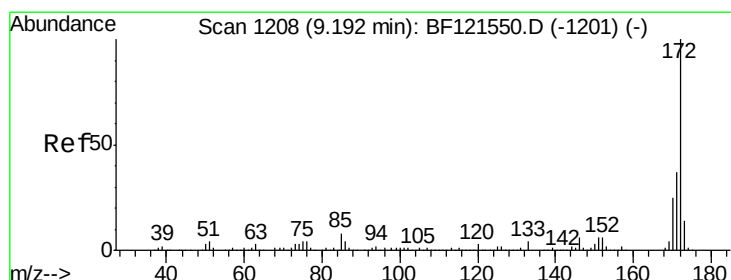
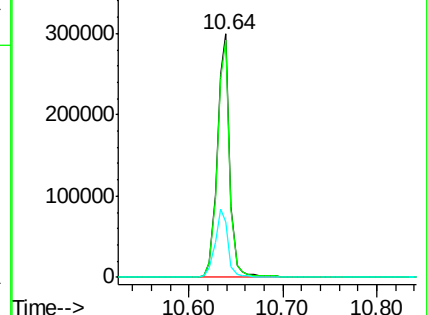
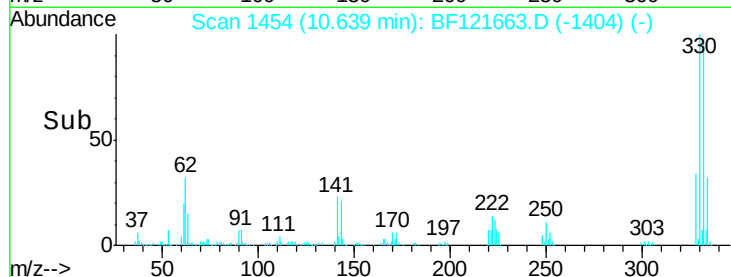
141 29.1 22.4 33.6



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: 57.719 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

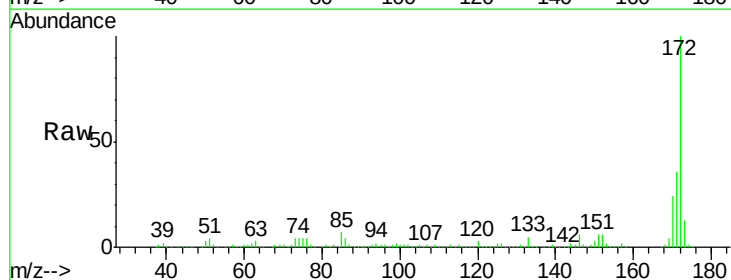
Tgt Ion:172 Resp: 1204974

Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

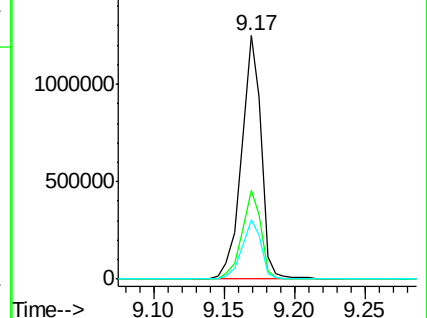
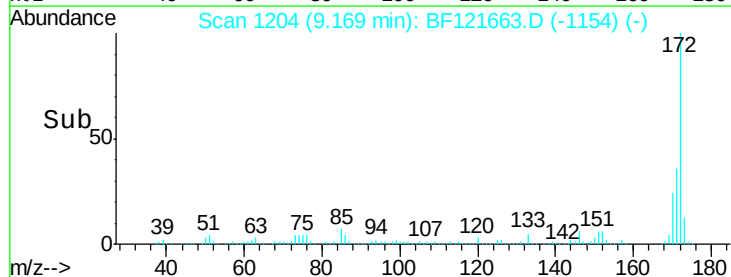
170 24.2 19.5 29.3

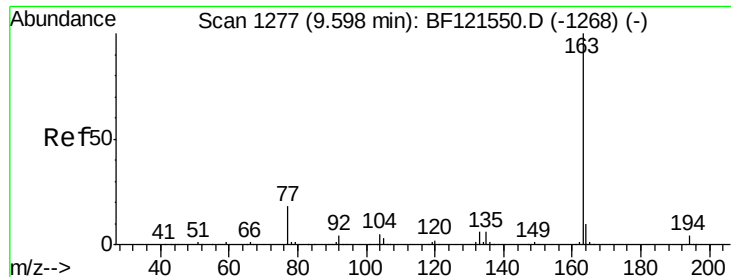


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.674 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121663.D

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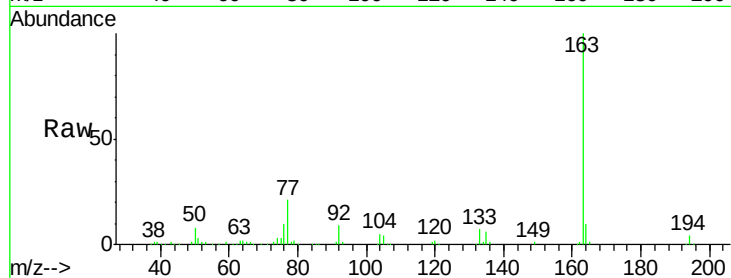
Tot Ion:163 Resp: 198780

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

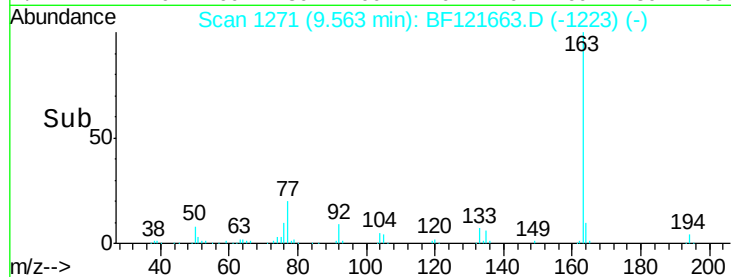
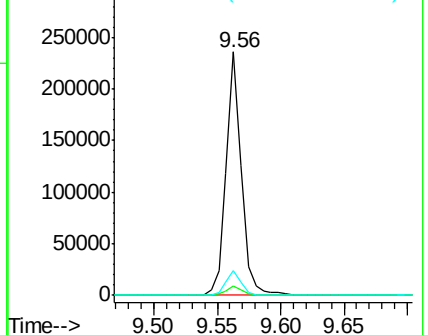
164 10.1 8.0 12.0



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: 6.575 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Tgt Ion:165 Resp: 40368

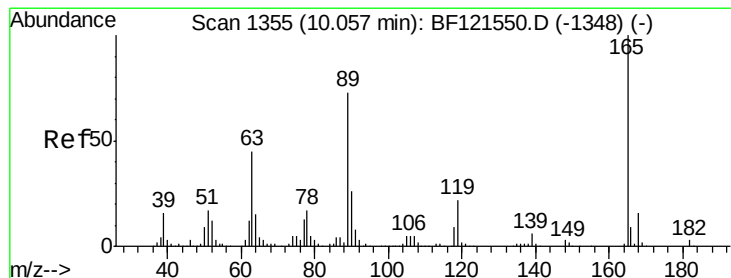
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.4 57.7 86.5#

182 0.0 2.1 3.1#

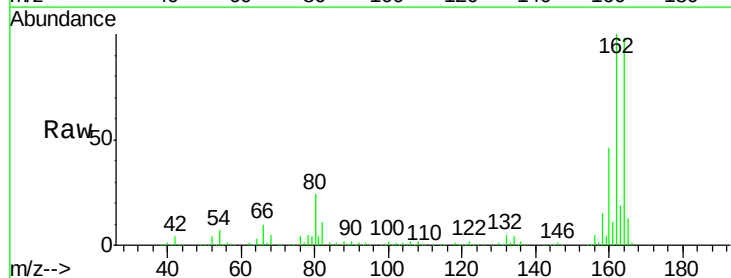
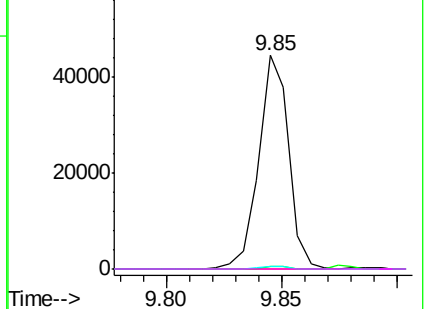


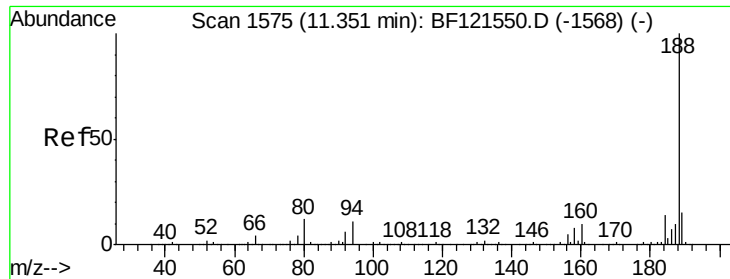
Abundance Ion 165.00 (164.70 to 165.70): E

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

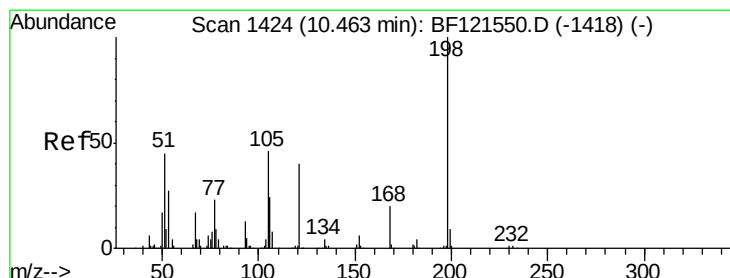
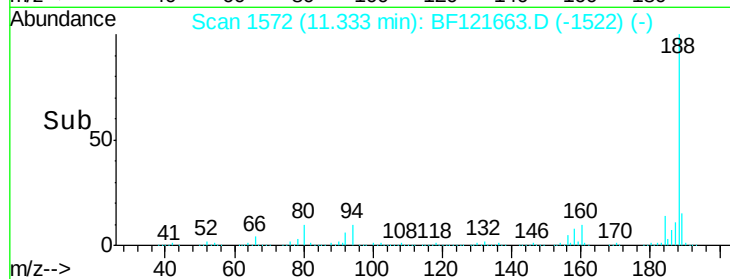
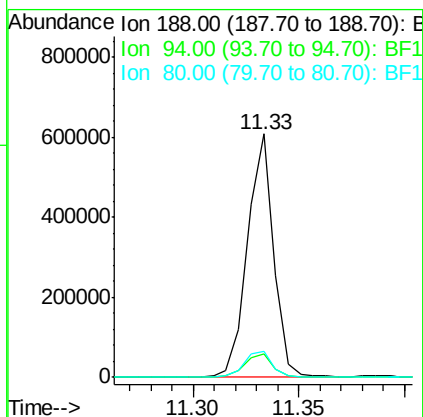
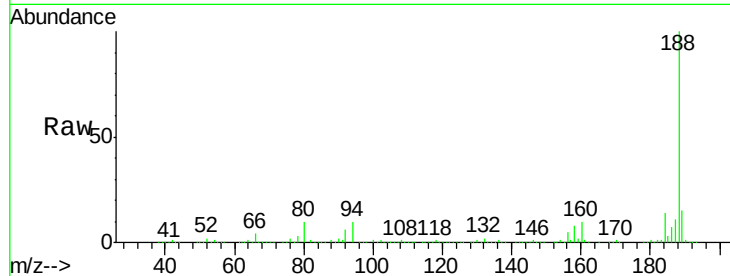




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF121663.D
 Acq: 23 Sep 2020 3:04

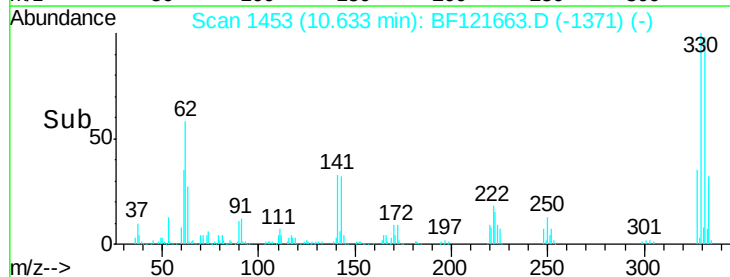
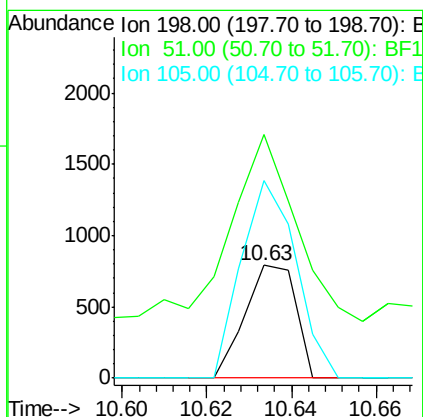
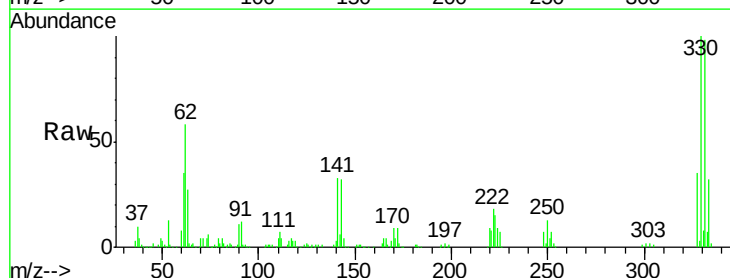
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-0-10

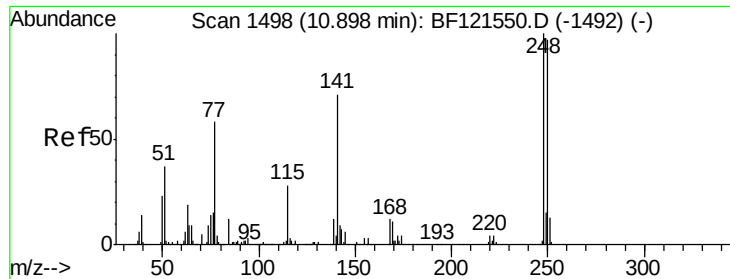
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.4	12.6
80	10.5	9.0	13.4



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.029 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF121663.D
 Acq: 23 Sep 2020 3:04

Tgt Ion	Ratio	Lower	Upper
198	100		
51	216.2	20.3	60.3#
105	175.6	20.2	60.2#

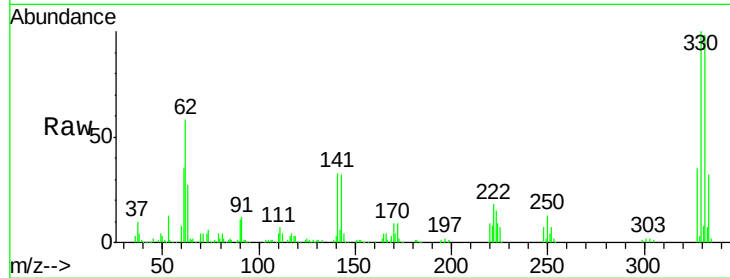




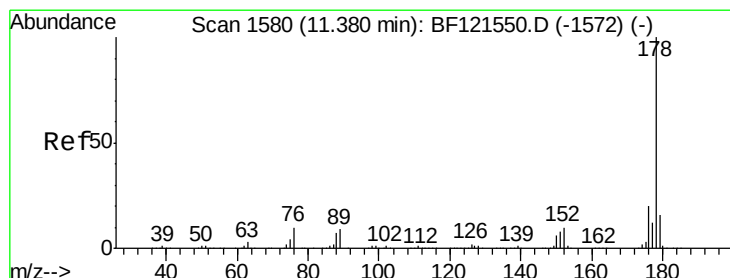
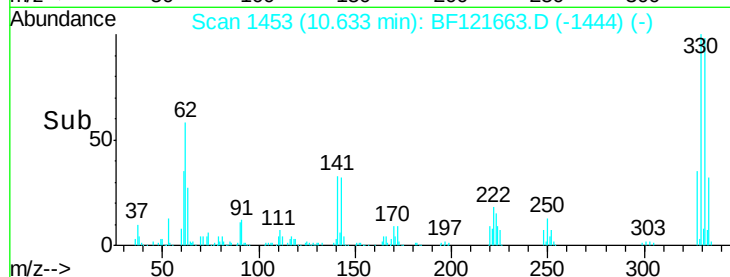
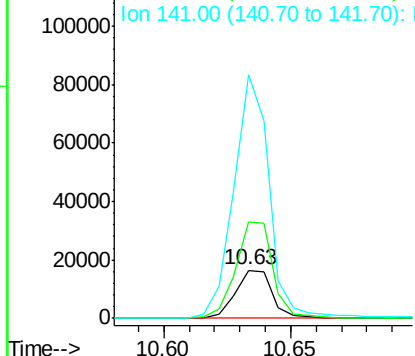
#67
 4-Bromophenyl-phenylether
 Concen: 2.742 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF121663.D
 Acq: 23 Sep 2020 3:04

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B29-092120-0-10

Tot Ion:248 Resp: 16389
 Ion Ratio Lower Upper
 248 100
 250 202.0 79.4 119.0#
 141 509.2 52.2 78.4#

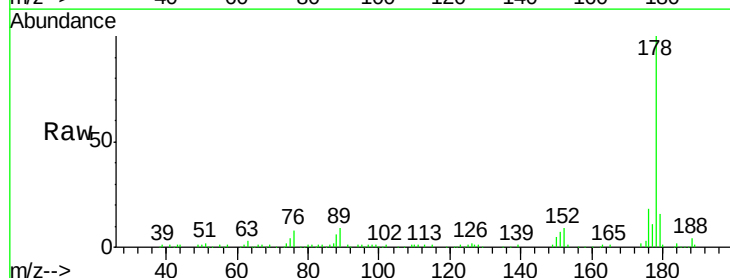


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

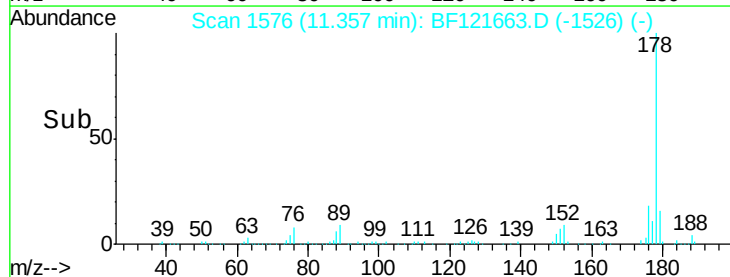
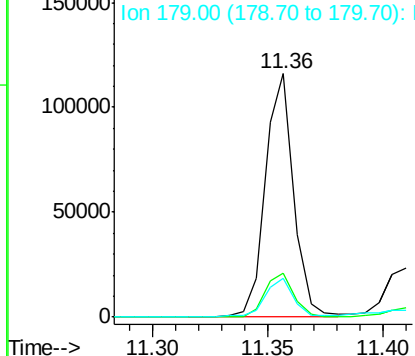


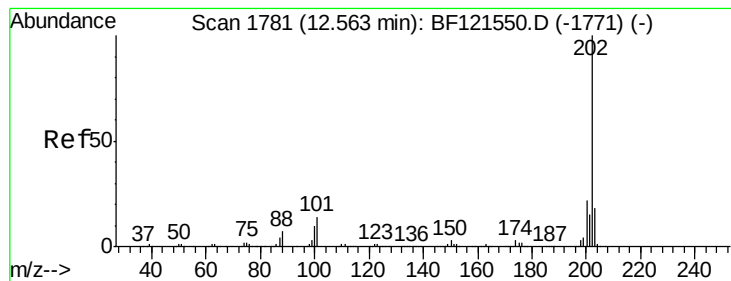
#71
 Phenanthrene
 Concen: 3.450 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121663.D
 Acq: 23 Sep 2020 3:04

Tgt Ion:178 Resp: 98656
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.9 23.9
 179 15.7 12.6 18.8



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: 4.701 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

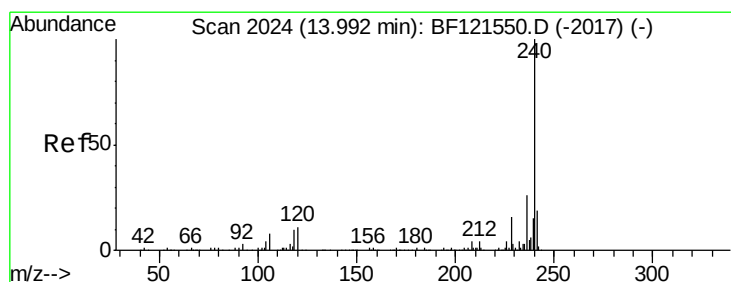
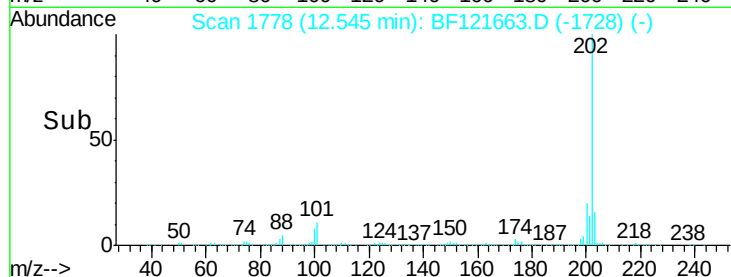
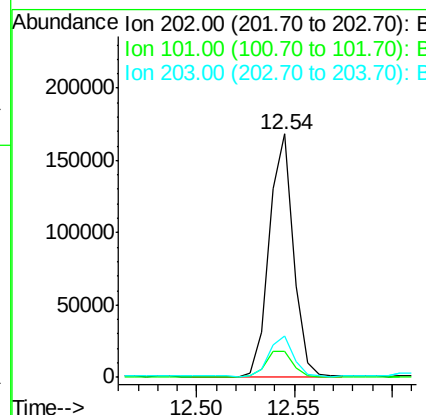
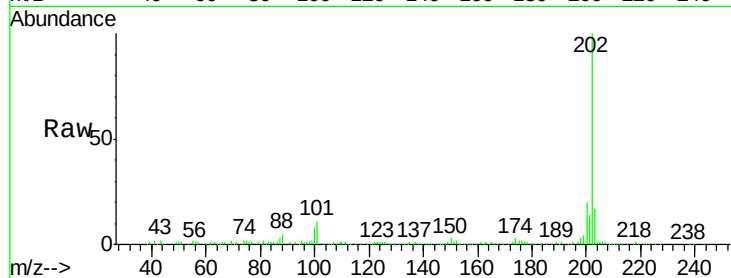
Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-0-10

Tot Ion:	202	Resp:	143517
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.9
203	16.8	0.0	37.8



#76

Chrysene-d12

Concen: 20.000 ng

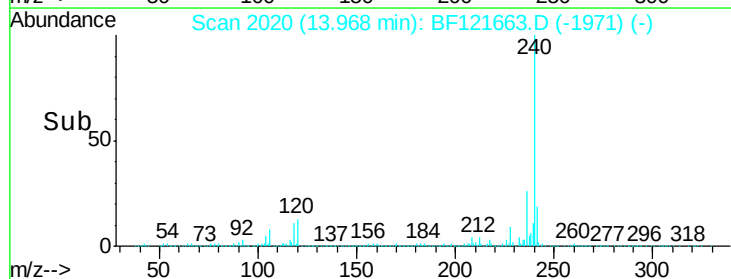
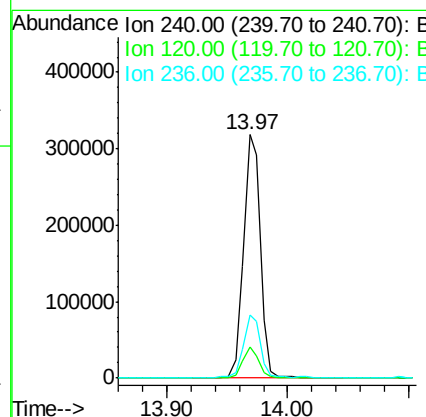
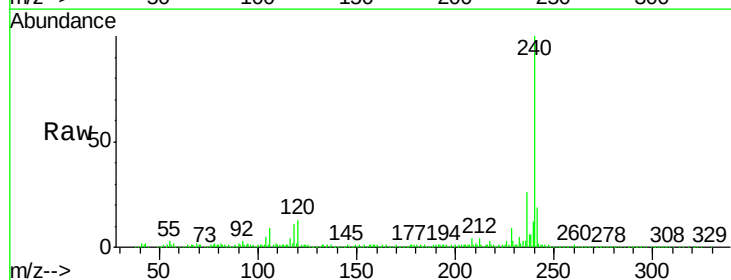
RT: 13.97 min Scan# 2020

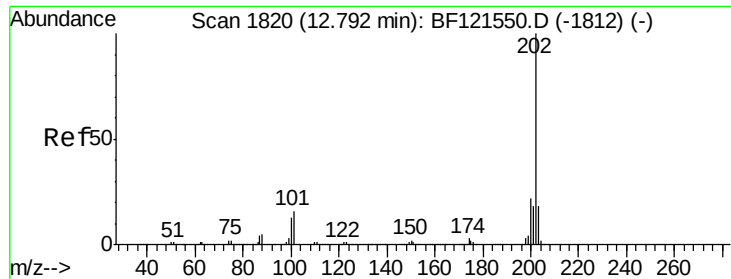
Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Tgt Ion:	240	Resp:	308830
Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.2	13.8
236	26.0	20.4	30.6

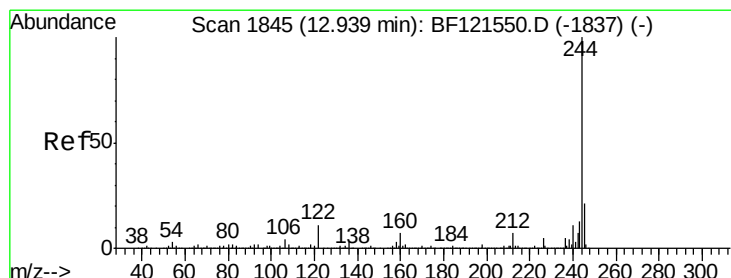
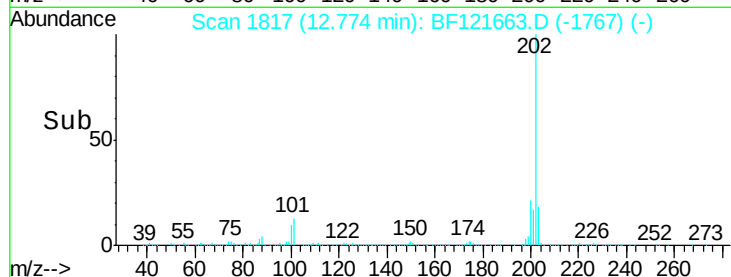
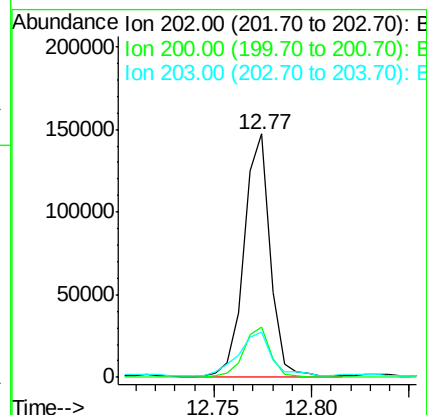
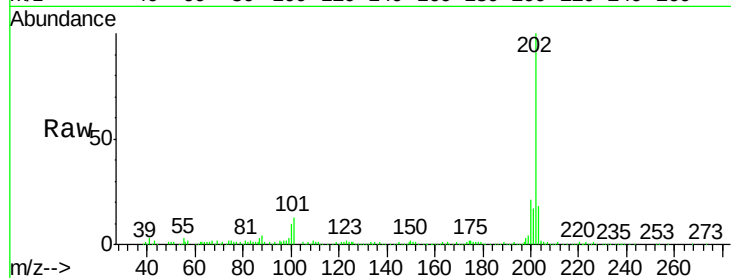




#78
Pvrene
Concen: 5.994 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

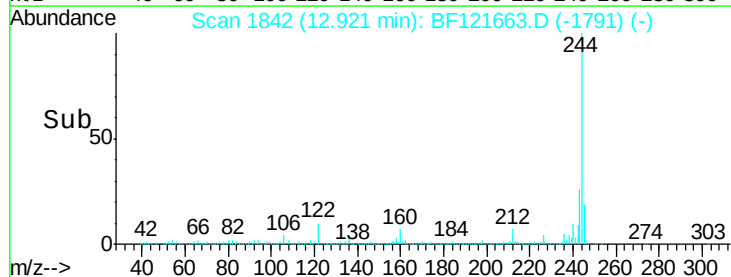
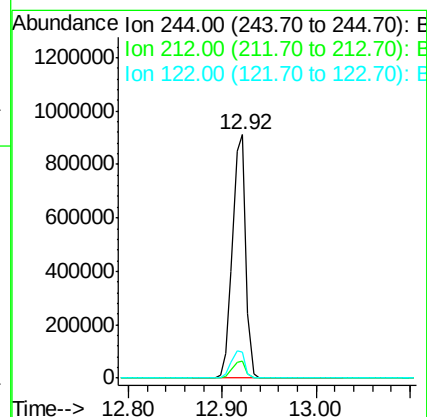
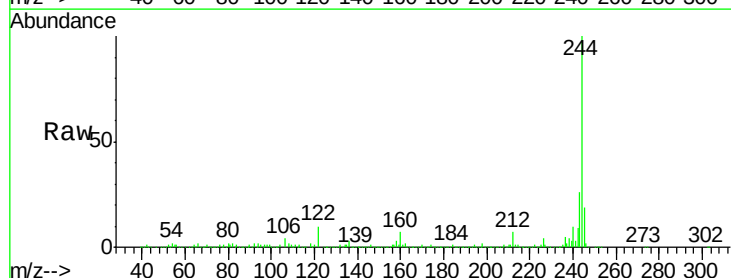
Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-0-10

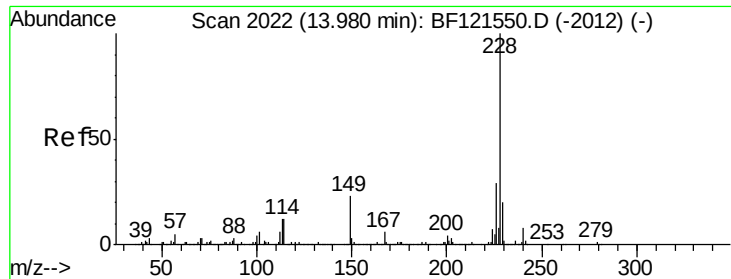
Tot Ion:202 Resp: 135241
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.6
203 18.5 14.4 21.6



#79
Terphenyl-d14
Concen: 58.950 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

Tgt Ion:244 Resp: 898632
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 10.4 7.4 11.0

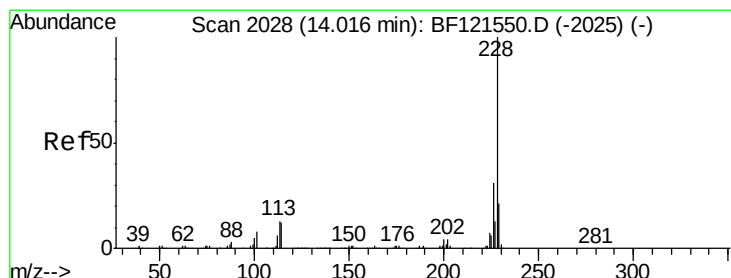
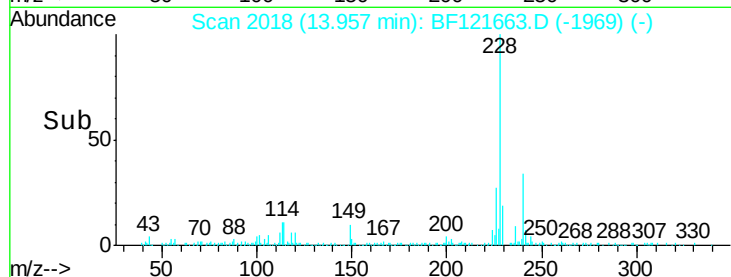
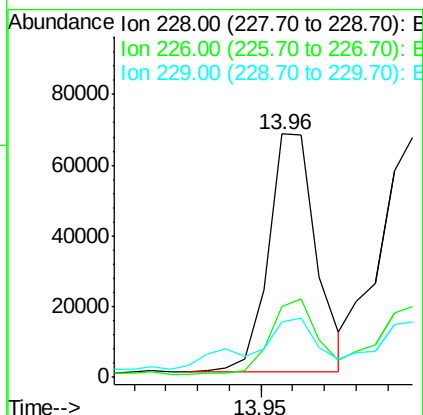
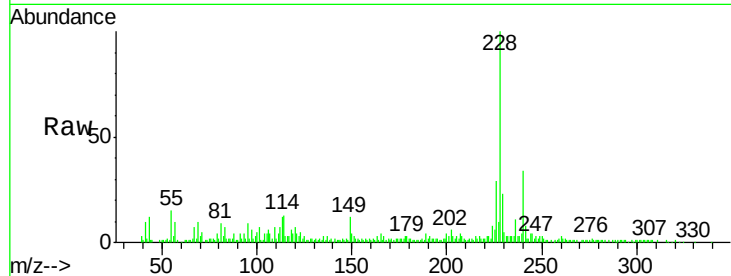




#81
Benzo(a)anthracene
Concen: 3.633 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

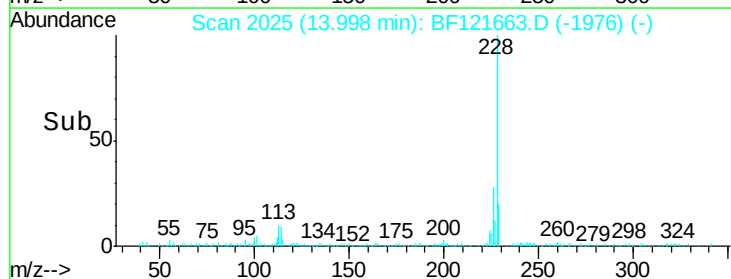
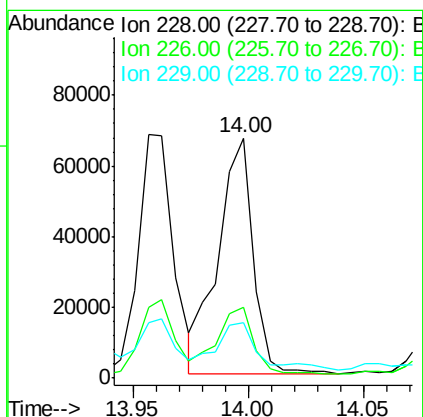
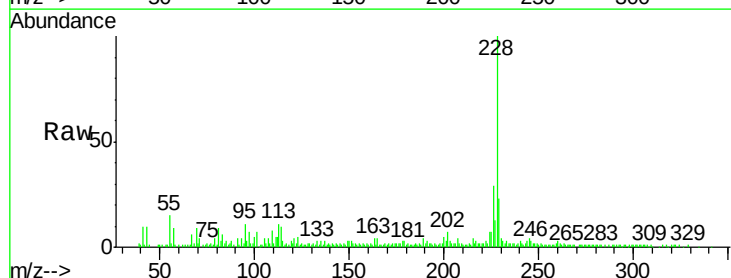
Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-0-10

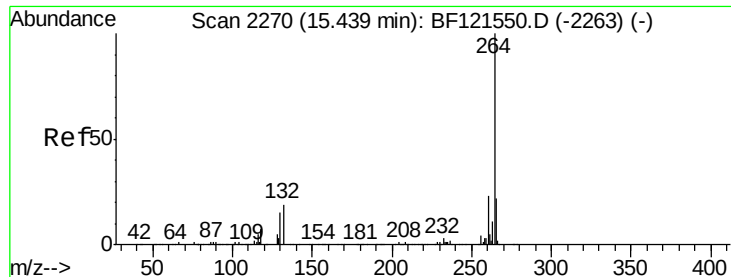
Tot Ion:228 Resp: 70978
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 22.6 16.2 24.2



#83
Chrysene
Concen: 3.537 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

Tgt Ion:228 Resp: 69983
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.4
229 23.3 16.0 24.0





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-0-10

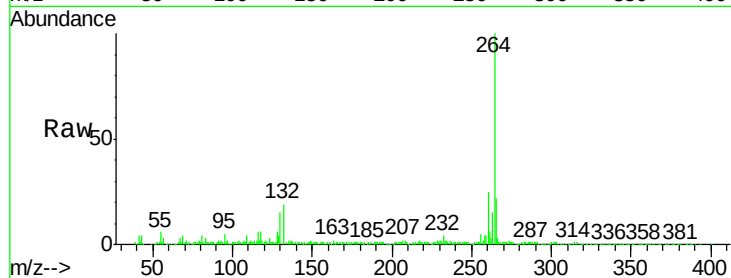
Tot Ion:264 Resp: 314627

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

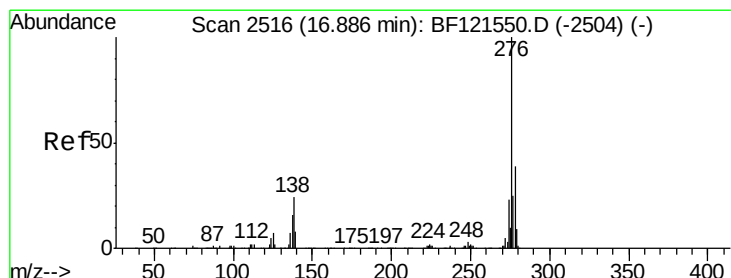
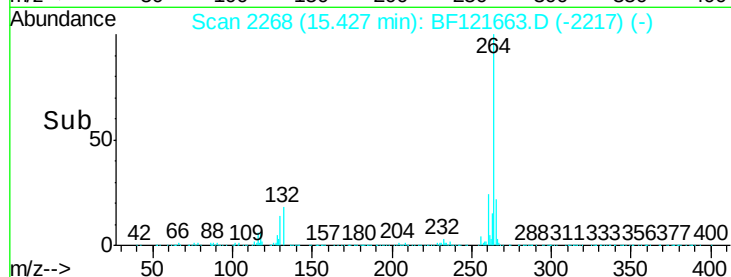
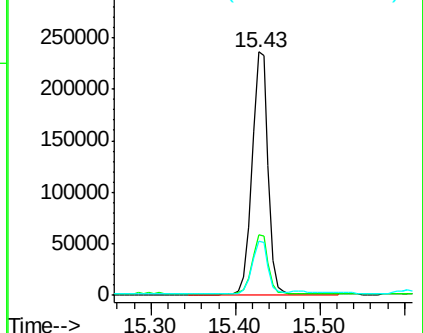
265 22.5 17.3 25.9



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: 4.025 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

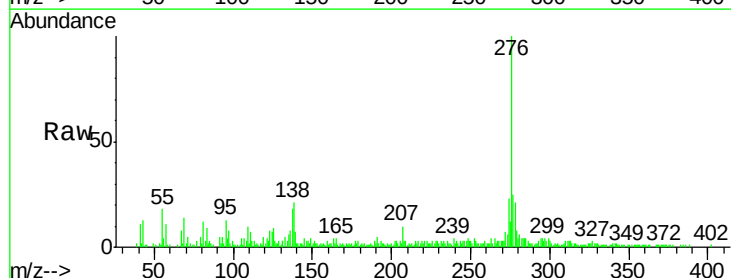
Tgt Ion:276 Resp: 82475

Ion Ratio Lower Upper

276 100

138 21.6 19.0 28.6

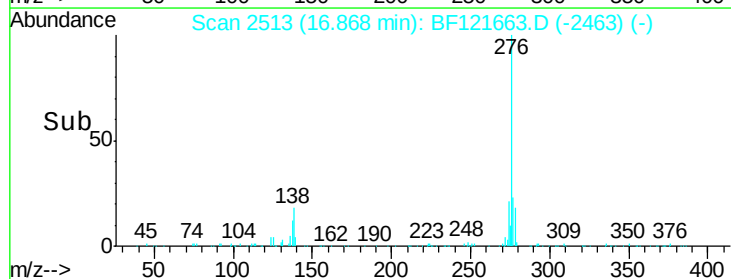
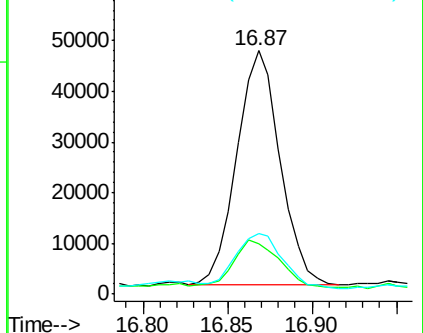
277 25.6 20.2 30.2

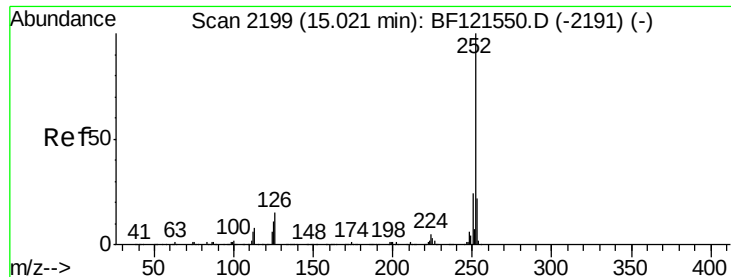


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

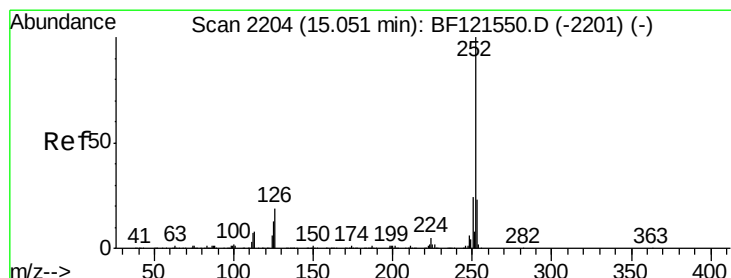
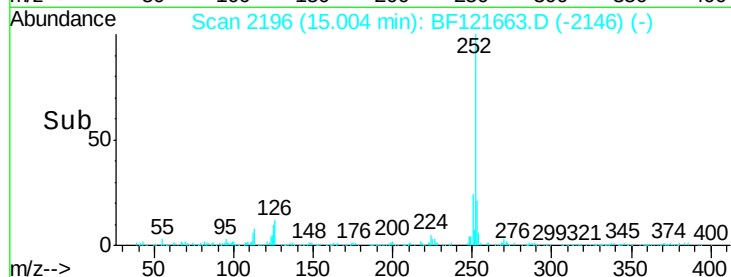
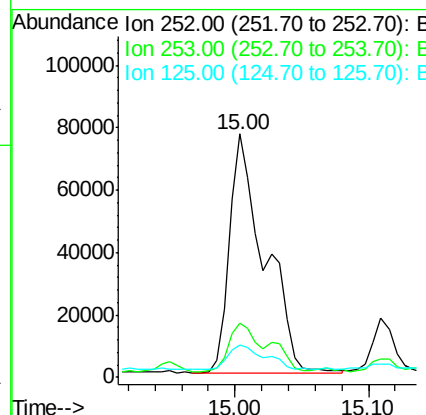
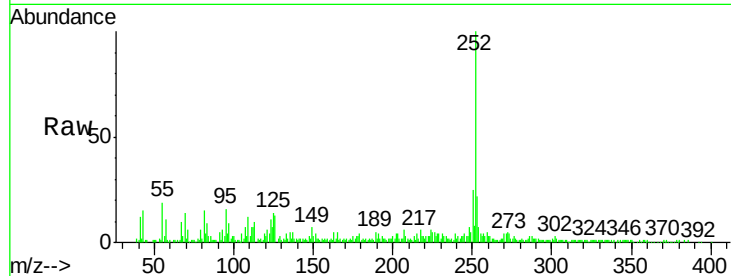




#88
Benzo(b)fluoranthene
Concen: 6.693 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

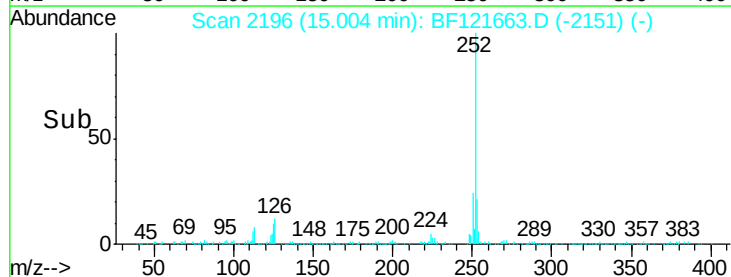
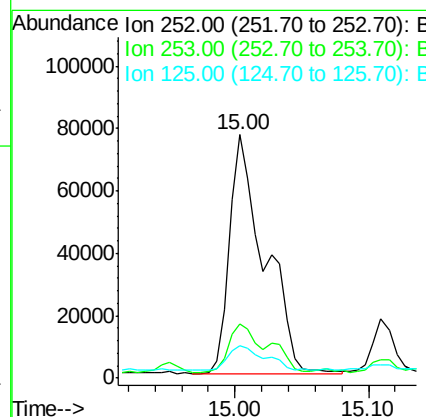
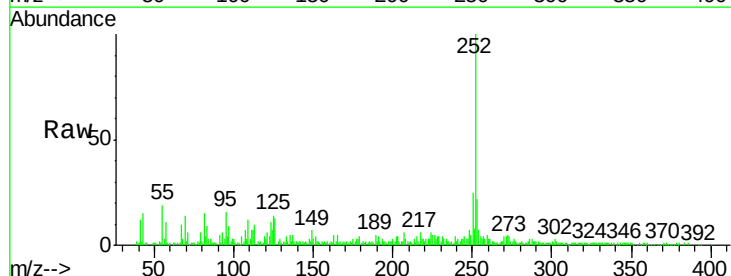
Instrument :
BNA_F
ClientSampleId :
PAV-B29-092120-0-10

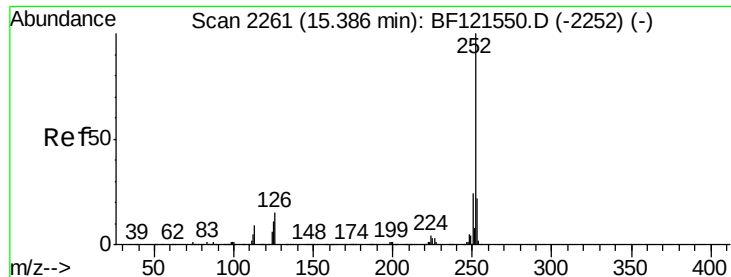
Tot Ion:252 Resp: 140777
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 13.6 8.5 12.7#



#89
Benzo(k)fluoranthene
Concen: 7.309 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF121663.D
Acq: 23 Sep 2020 3:04

Tgt Ion:252 Resp: 140777
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 13.6 8.4 12.6#





#90

Benzo(a)pyrene

Concen: 5.154 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

Instrument :

BNA_F

ClientSampleId :

PAV-B29-092120-0-10

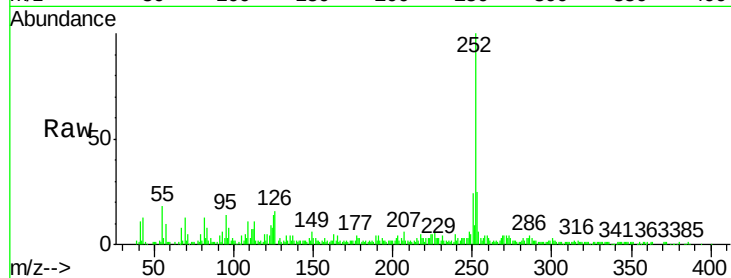
Tot Ion:252 Resp: 92154

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

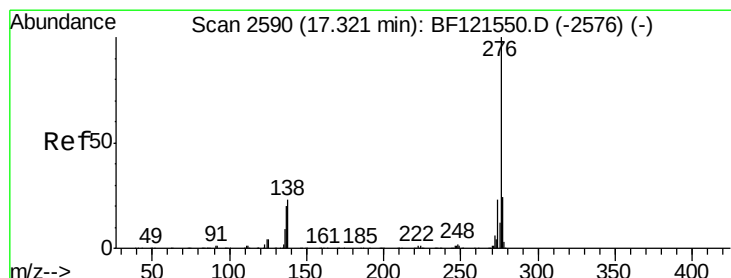
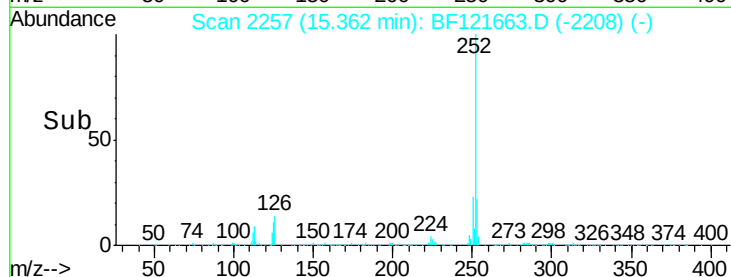
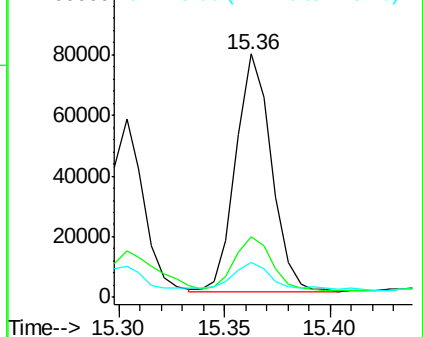
125 14.2 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.135 ng

RT: 17.30 min Scan# 2587

Delta R.T. -0.01 min

Lab File: BF121663.D

Acq: 23 Sep 2020 3:04

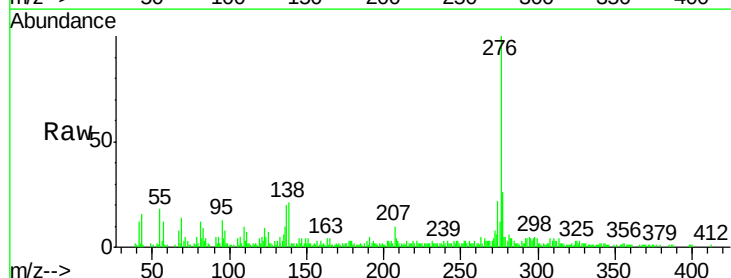
Tgt Ion:276 Resp: 86094

Ion Ratio Lower Upper

276 100

277 25.7 19.3 28.9

138 21.2 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

