

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF043020\
 Data File : BF120254.D
 Acq On : 30 Apr 2020 22:02
 Operator : MA/SJ
 Sample : L2452-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

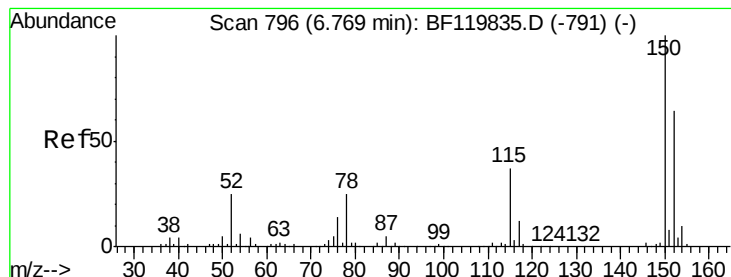
Quant Time: May 01 00:45:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 12:39:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	103527	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	392217	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	200191	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	383064	20.00	ng	0.00
76) Chrysene-d12	13.82	240	317517	20.00	ng	0.00
87) Perylene-d12	15.23	264	297754	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	123849	20.67	ng	0.01
7) Phenol-d6	6.31	99	157578	20.41	ng	0.00
23) Nitrobenzene-d5	7.21	82	96253	12.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	41029	16.74	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	201806	14.31	ng	0.00
79) Terphenyl-d14	12.76	244	242626	12.86	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.30	77	125	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.21	70	12496	2.517	ng	# 74
25) Isophorone	7.21	82	96252	6.586	ng	# 65
51) 2,6-Dinitrotoluene	9.69	165	26177	7.720	ng	# 27
57) 2,4-Dinitrotoluene	9.69	165	26177	5.859	ng	# 20
71) Phenanthrene	11.20	178	43205	2.119	ng	96
72) Anthracene	11.20	178	43205	2.075	ng	97
75) Fluoranthene	12.39	202	65074	2.958	ng	96
78) Pyrene	12.62	202	76009	2.840	ng	98
84) Bis(2-ethylhexyl)phthalate	13.81	149	42457	2.414	ng	# 98
88) Benzo(b)fluoranthene	14.83	252	47091	2.198	ng	# 78
89) Benzo(k)fluoranthene	14.83	252	47091	2.548	ng	# 79

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

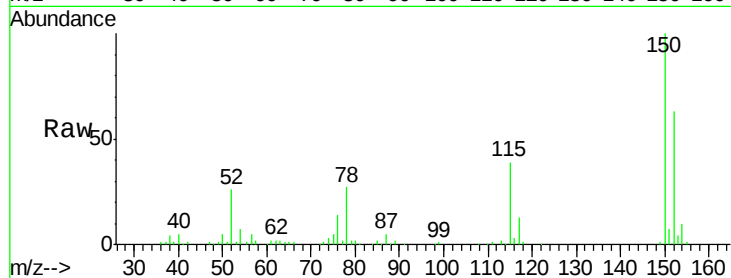


#1

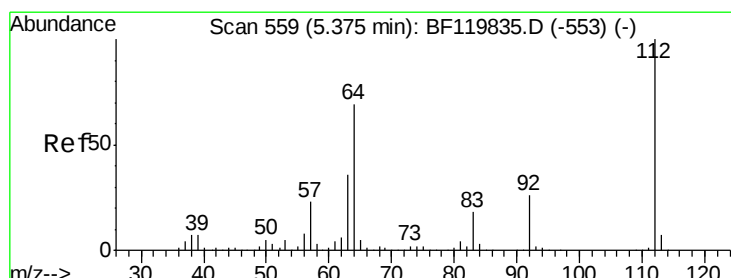
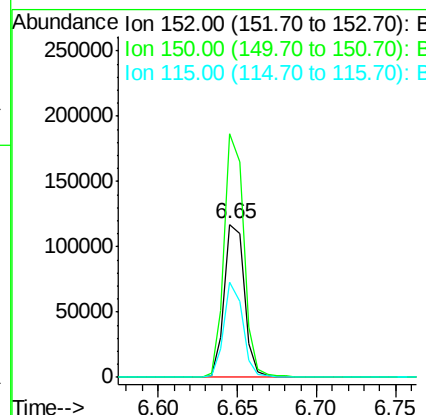
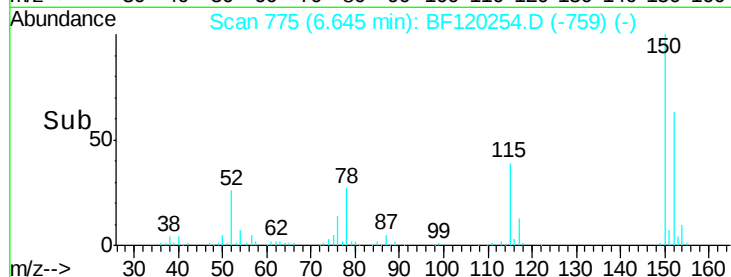
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF120254.D
Acq: 30 Apr 2020 22:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.5	186.7
115	62.1	49.6	74.4



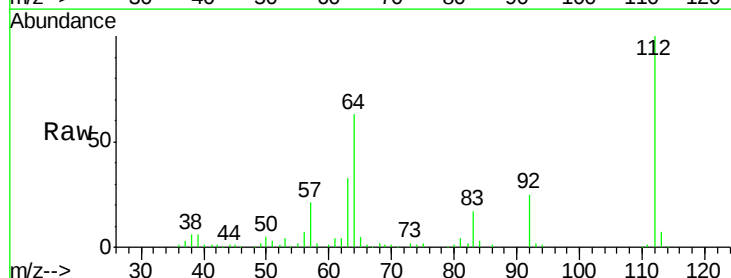
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



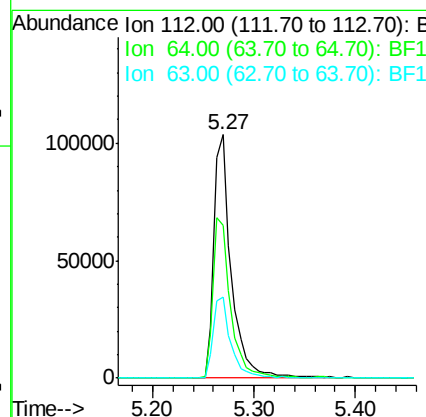
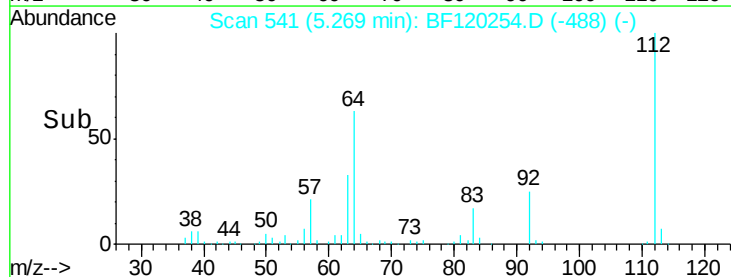
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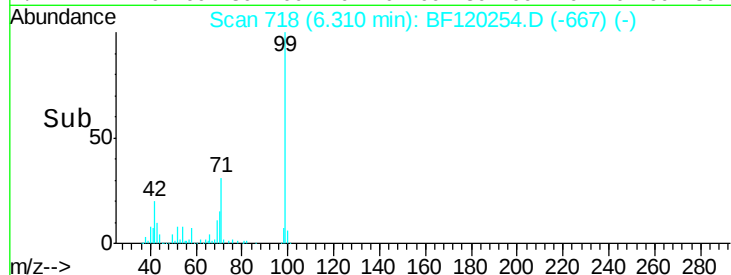
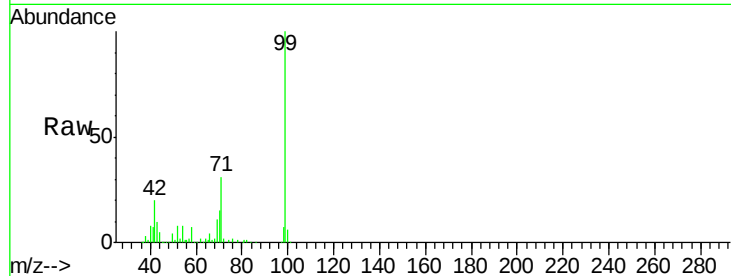
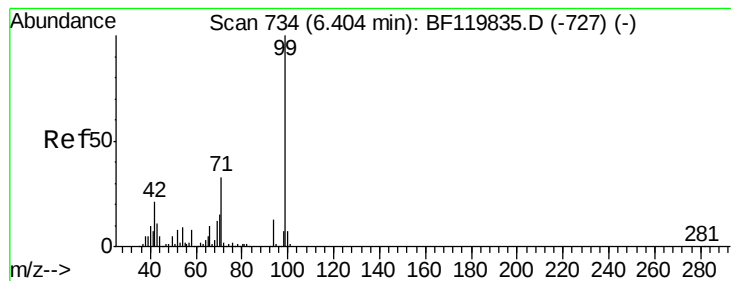
2-Fluorophenol
Concen: 20.674 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF120254.D
Acq: 30 Apr 2020 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	56.7	85.1
63	33.4	29.5	44.3



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: 20.414 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampleId :

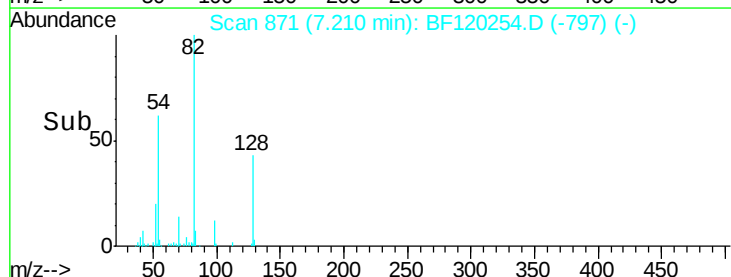
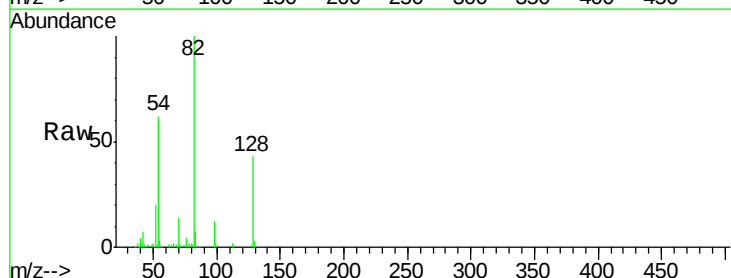
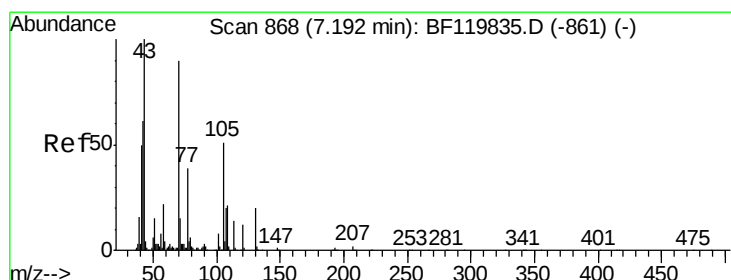
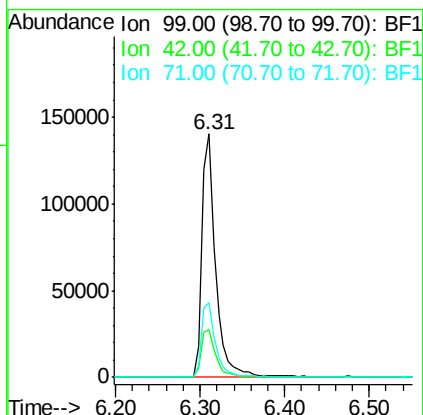
Tot Ion: 99 Resp: 157578

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 30.5 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.517 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.14 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Tgt Ion: 70 Resp: 12496

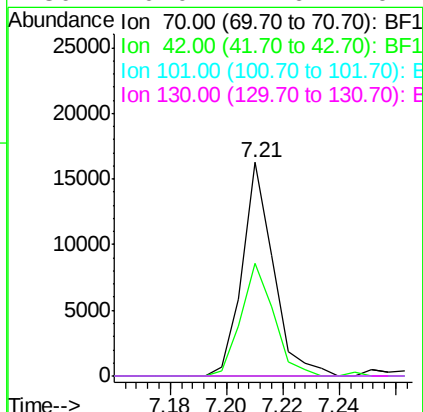
Ion Ratio Lower Upper

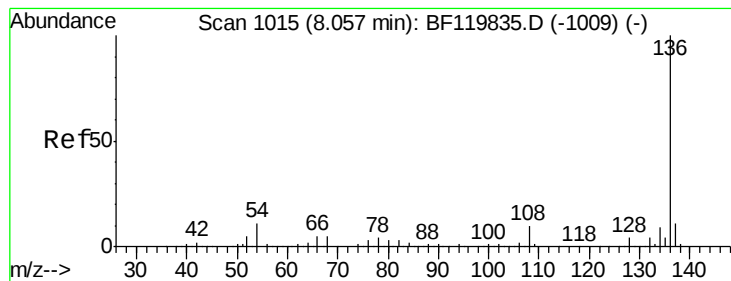
70 100

42 52.9 54.5 81.7#

101 0.0 7.6 11.4#

130 0.0 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 392217

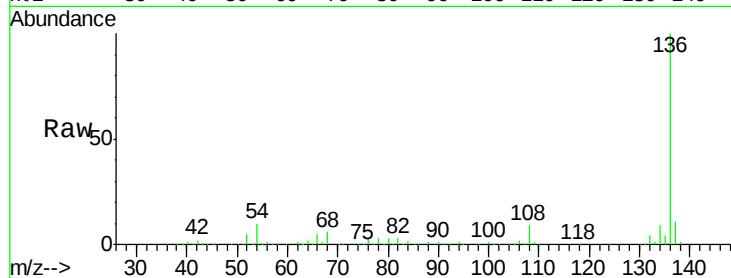
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 10.5 9.1 13.7

68 5.6 4.6 6.8

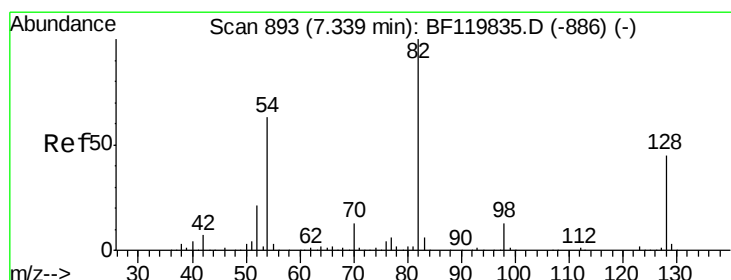
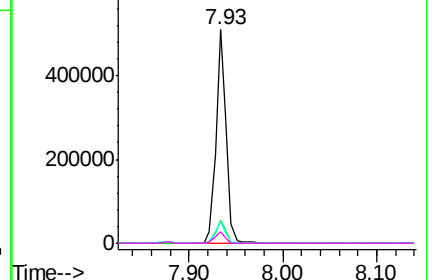
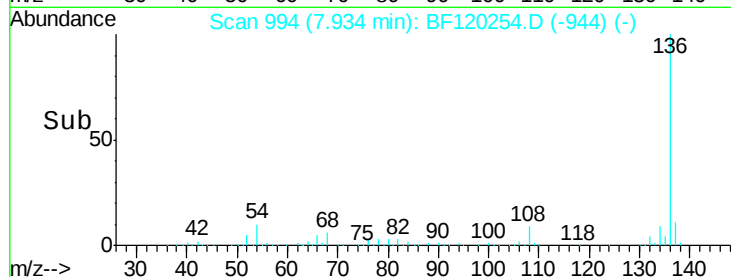


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.696 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

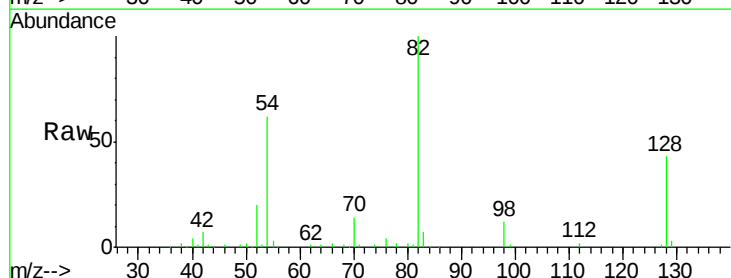
Tgt Ion: 82 Resp: 96253

Ion Ratio Lower Upper

82 100

128 43.2 36.3 54.5

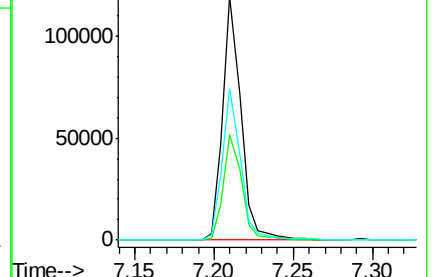
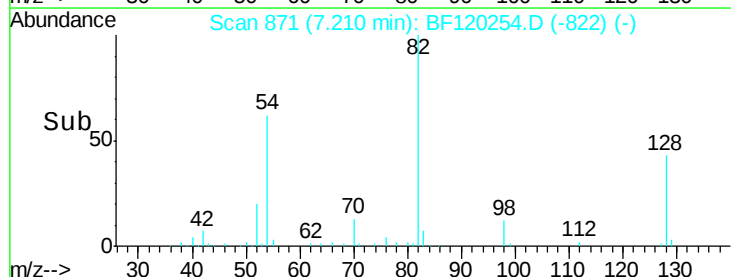
54 62.1 50.6 75.8



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: 6.586 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampleId :

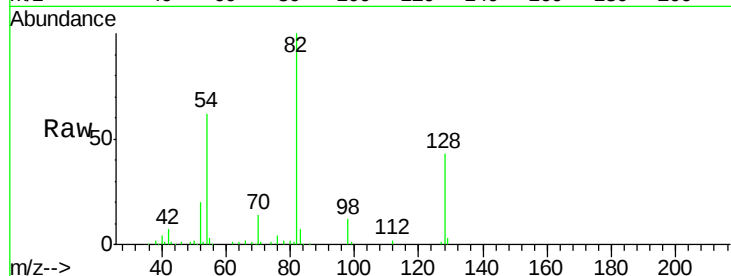
Tot Ion: 82 Resp: 96252

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

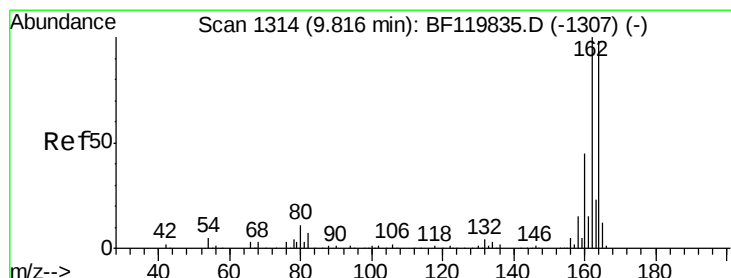
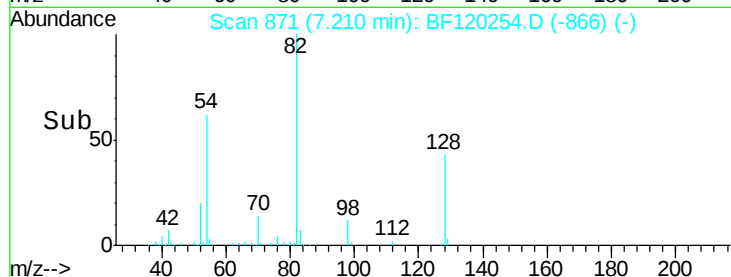
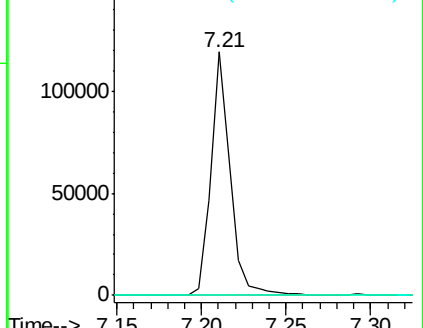
138 0.0 14.6 21.8#



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: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

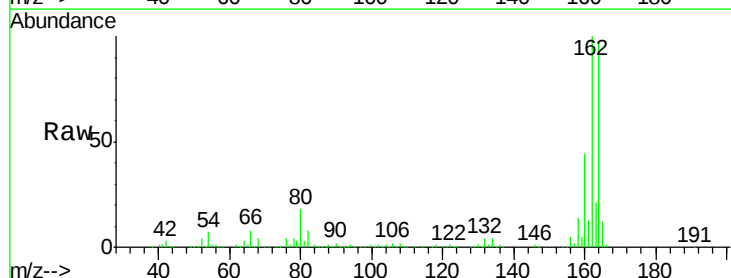
Tgt Ion:164 Resp: 200191

Ion Ratio Lower Upper

164 100

162 103.4 80.6 121.0

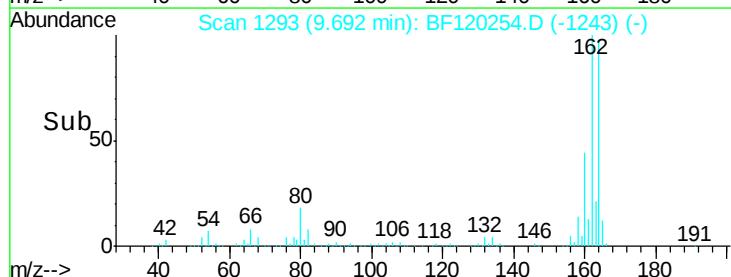
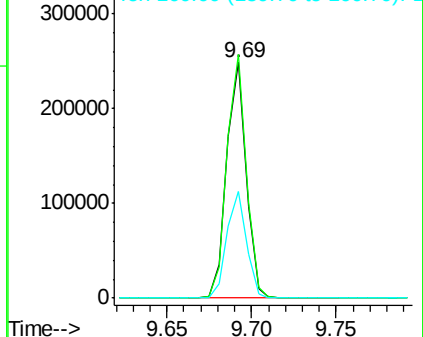
160 45.1 35.7 53.5

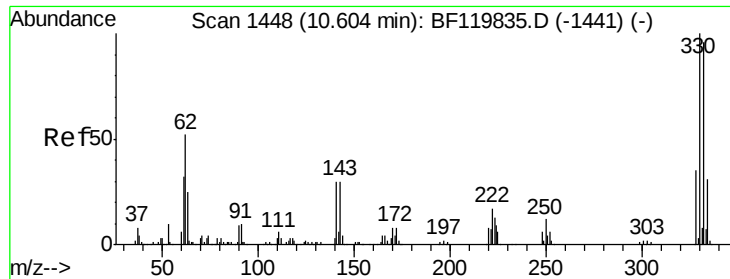


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

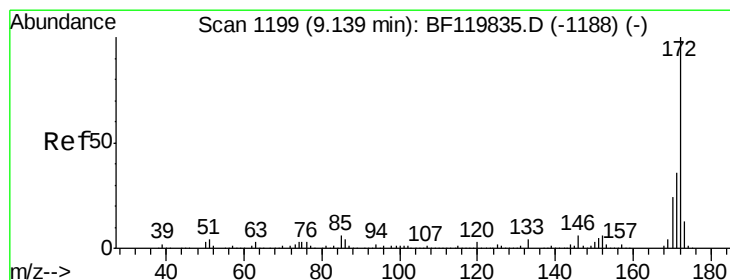
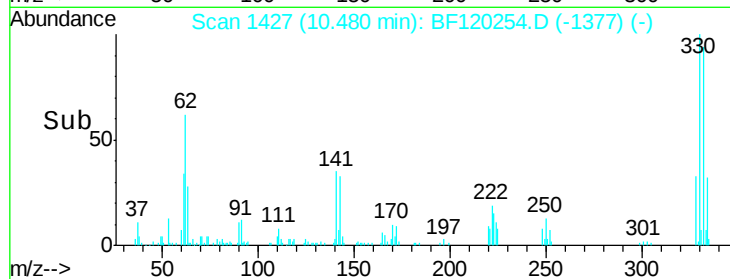
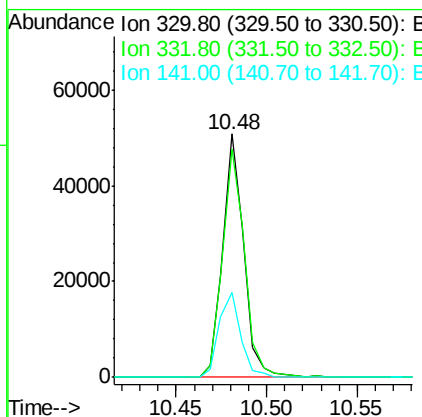
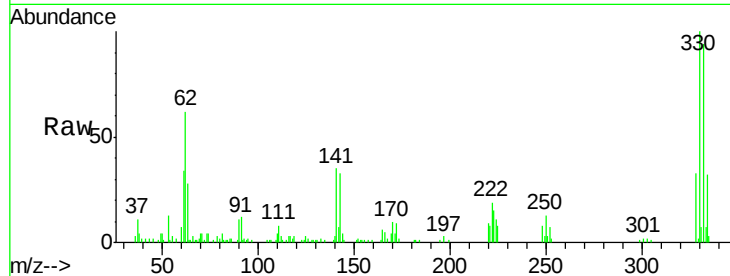




#42
 2,4,6-Tribromophenol
 Concen: 16.740 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF120254.D
 Acq: 30 Apr 2020 22:02

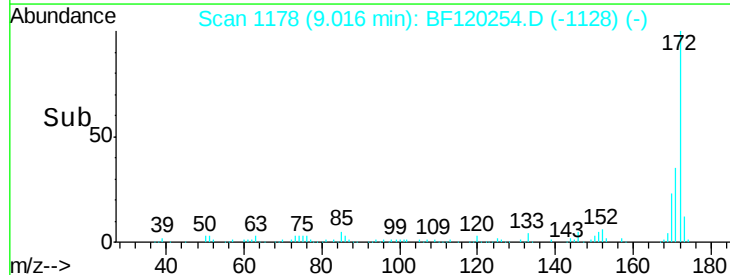
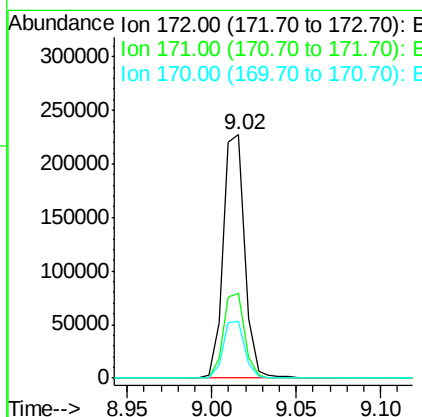
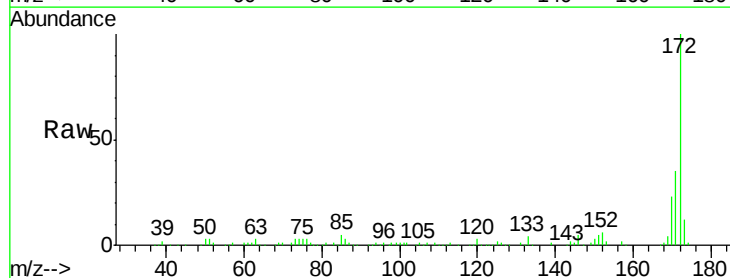
Instrument :
 BNA_F
 ClientSampleId :

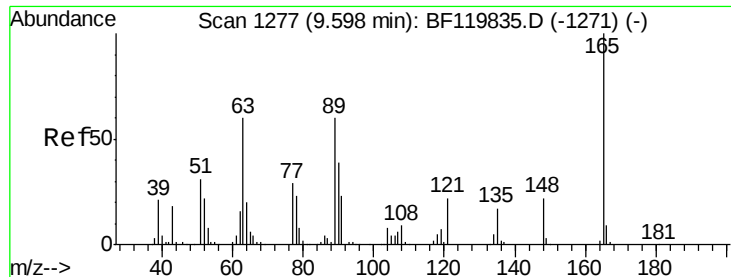
Tot Ion:330 Resp: 41029
 Ion Ratio Lower Upper
 330 100
 332 98.2 75.7 113.5
 141 36.0 25.4 38.0



#45
 2-Fluorobiphenyl
 Concen: 14.312 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF120254.D
 Acq: 30 Apr 2020 22:02

Tgt Ion:172 Resp: 201806
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.2 20.2 30.2

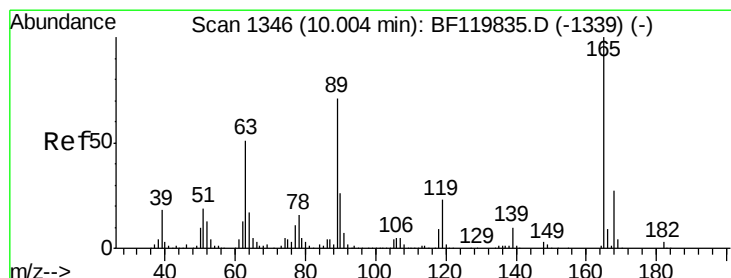
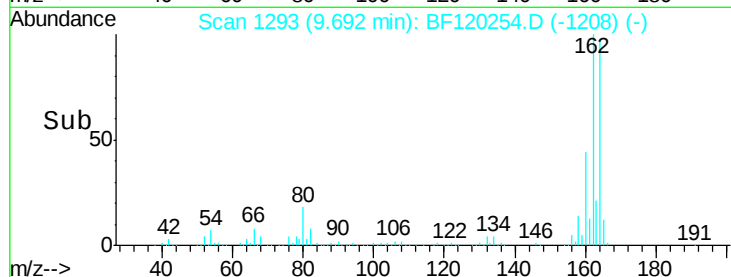
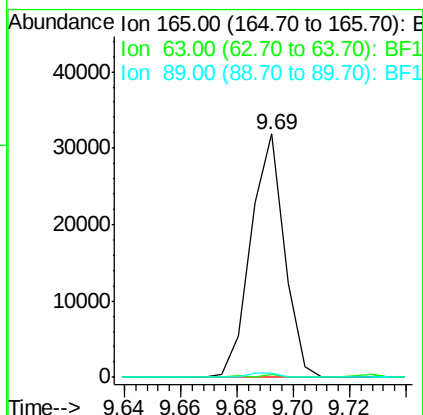
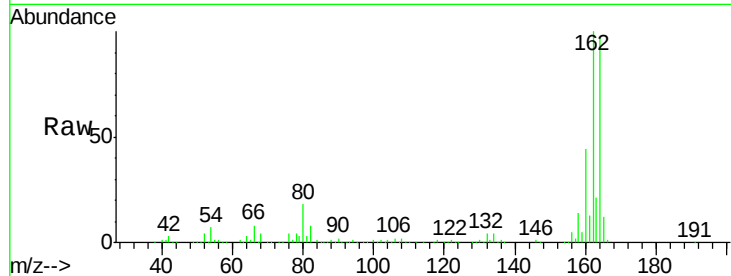




#51
 2,6-Dinitrotoluene
 Concen: 7.720 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. 0.20 min
 Lab File: BF120254.D
 Acq: 30 Apr 2020 22:02

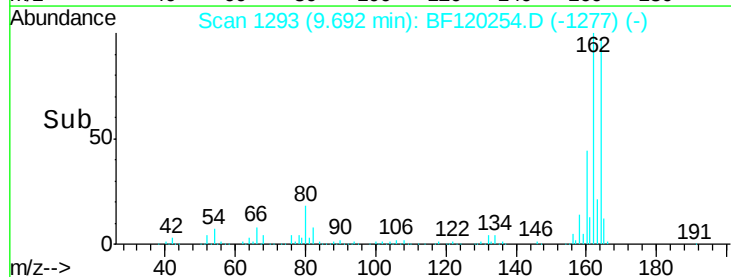
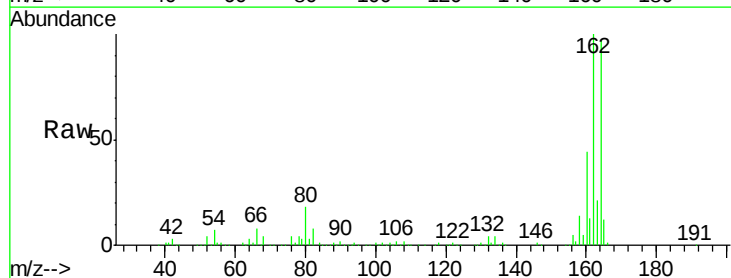
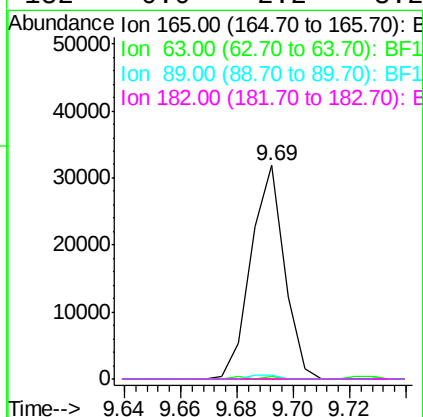
Instrument :
 BNA_F
 ClientSampleId :

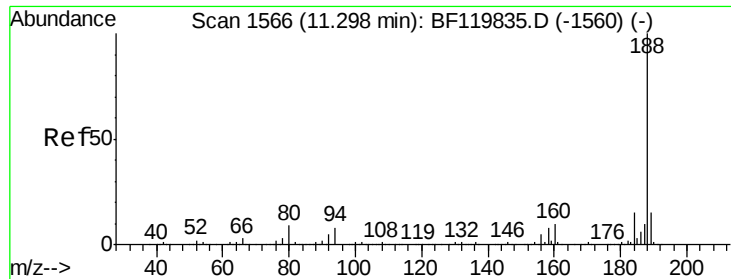
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	45.0	67.4#
89	1.8	41.5	62.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.859 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF120254.D
 Acq: 30 Apr 2020 22:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.6	64.0#
89	1.8	61.0	91.4#
182	0.0	2.2	3.2#

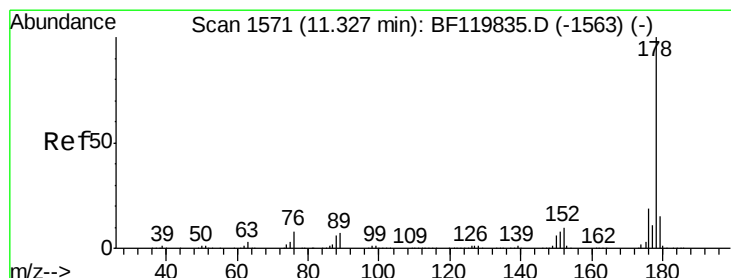
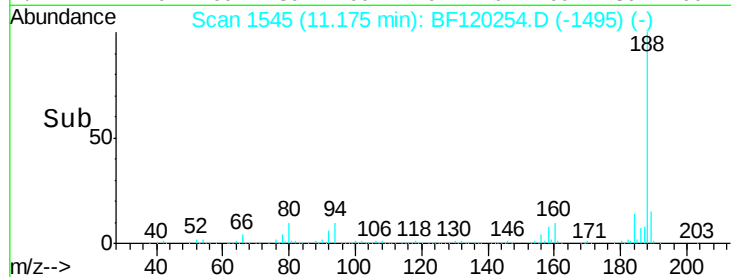
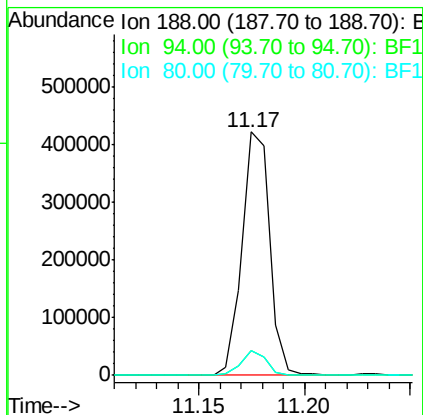
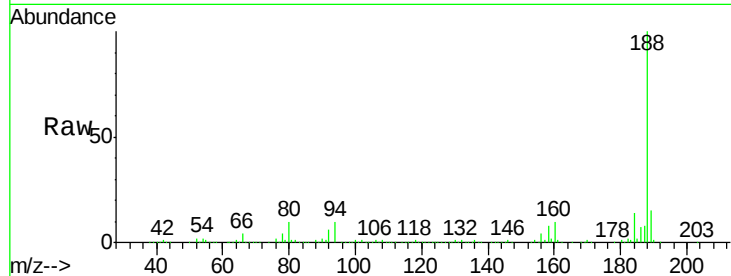




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF120254.D
 Acq: 30 Apr 2020 22:02

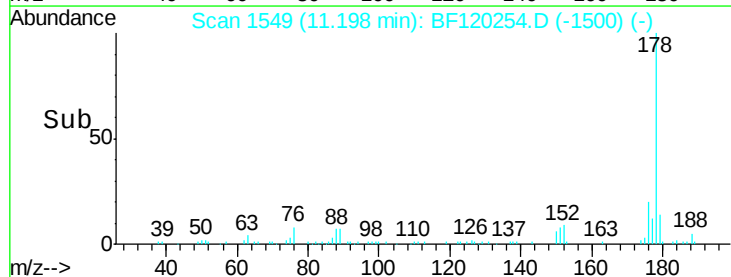
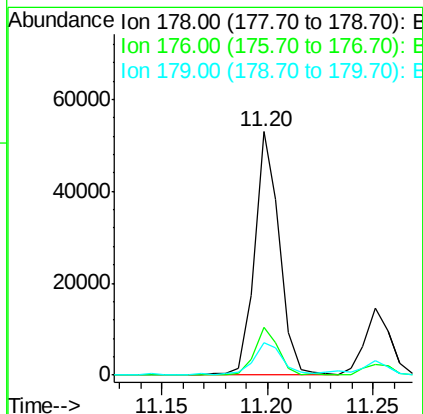
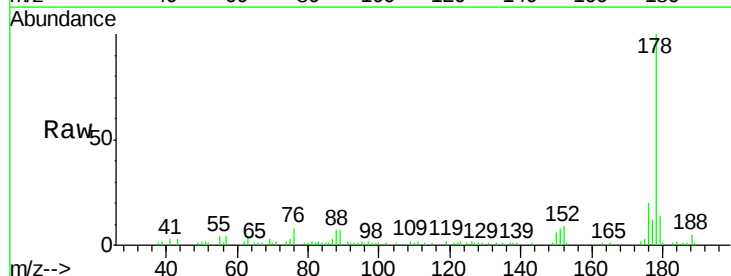
Instrument :
 BNA_F
 ClientSampleId :

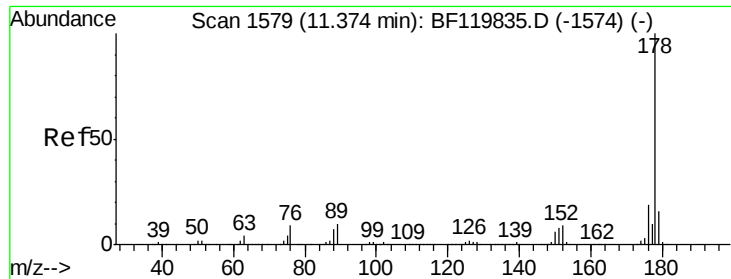
Tot Ion:188 Resp: 383064
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.5 11.3
 80 10.1 9.0 13.4



#71
 Phenanthrene
 Concen: 2.119 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF120254.D
 Acq: 30 Apr 2020 22:02

Tgt Ion:178 Resp: 43205
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 13.5 13.2 19.8





#72

Anthracene

Concen: 2.075 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.06 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

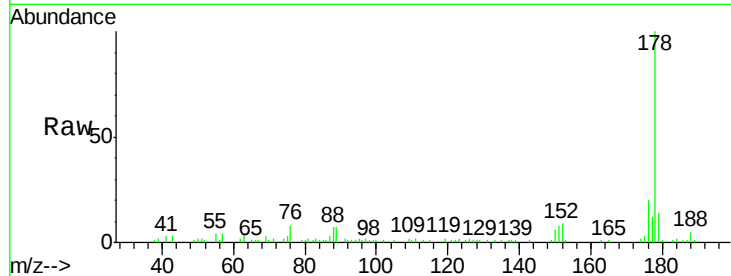
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 43205

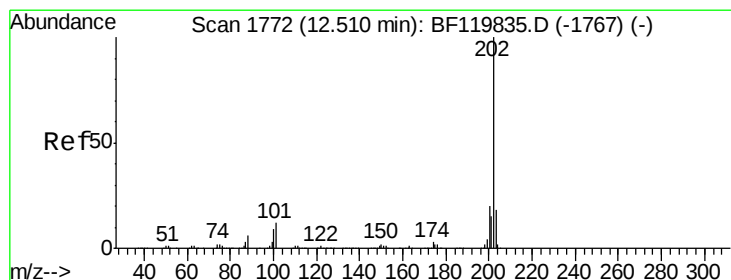
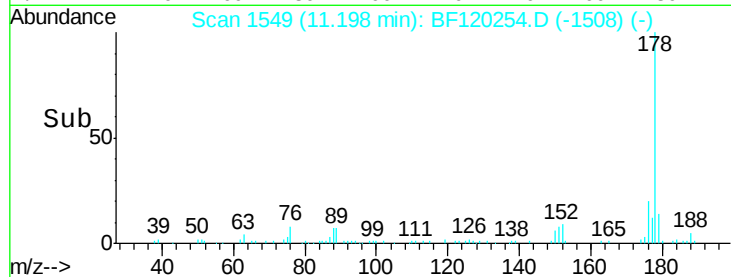
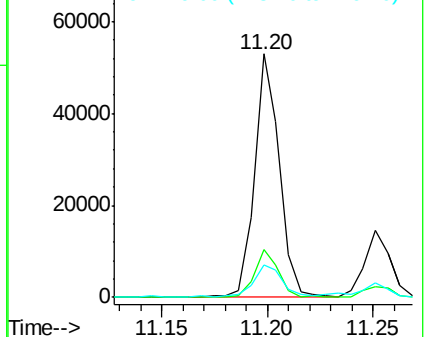
Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.1	24.1
179	13.5	13.0	19.4



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: 2.958 ng

RT: 12.39 min Scan# 1751

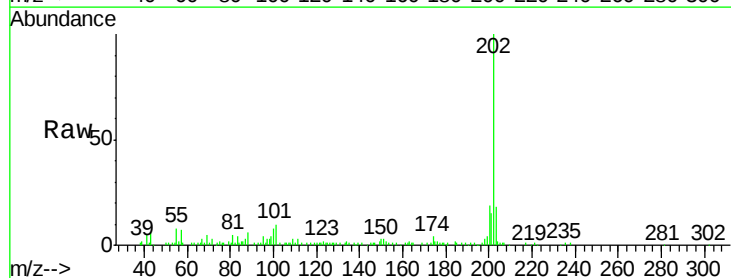
Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Tgt Ion:202 Resp: 65074

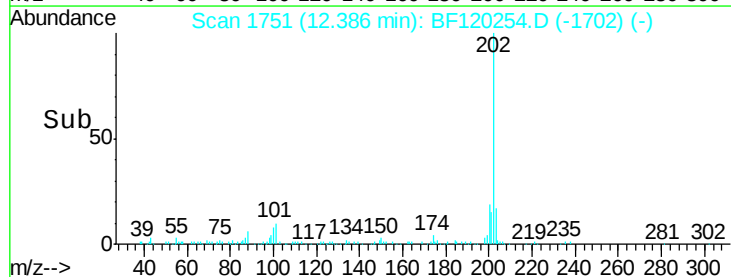
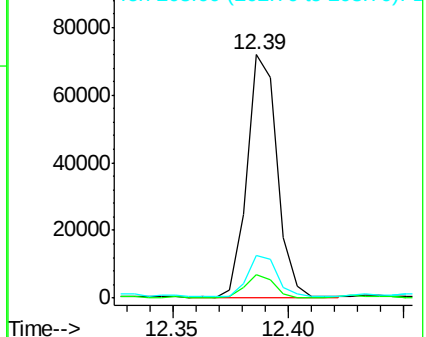
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	32.2
203	17.6	0.0	38.8

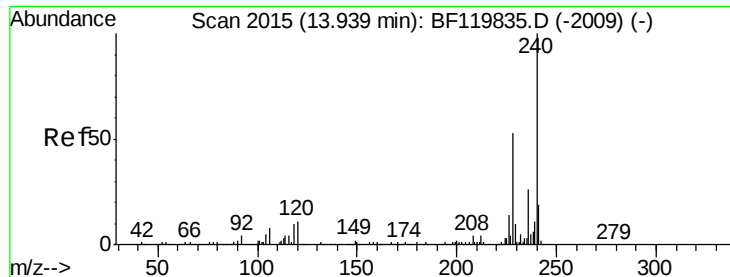


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampled :

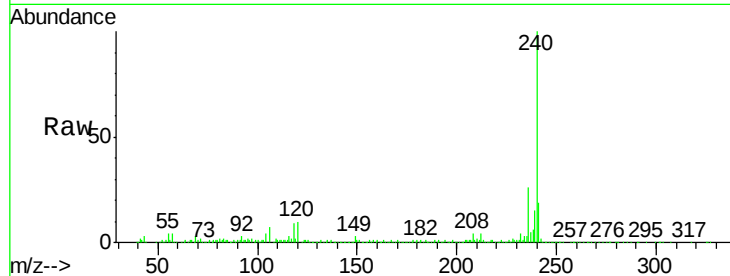
Tot Ion:240 Resp: 317517

Ion Ratio Lower Upper

240 100

120 9.6 10.6 15.8#

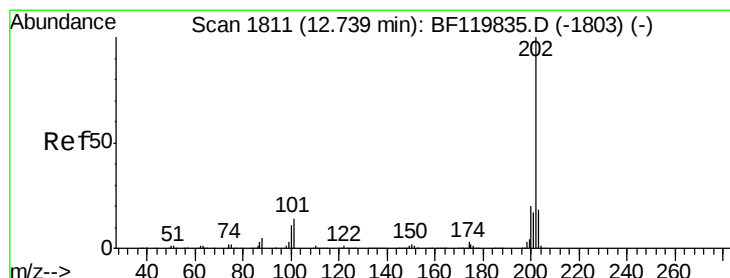
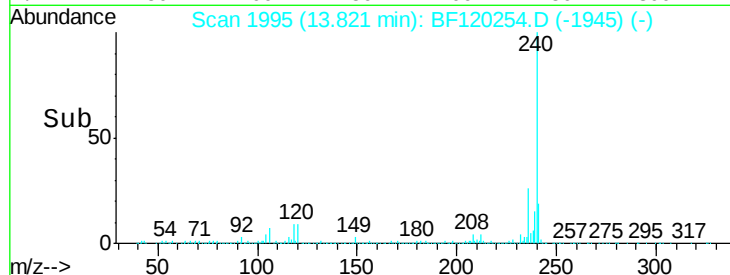
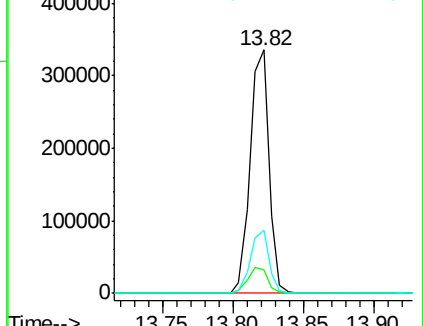
236 25.7 20.2 30.2



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: 2.840 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

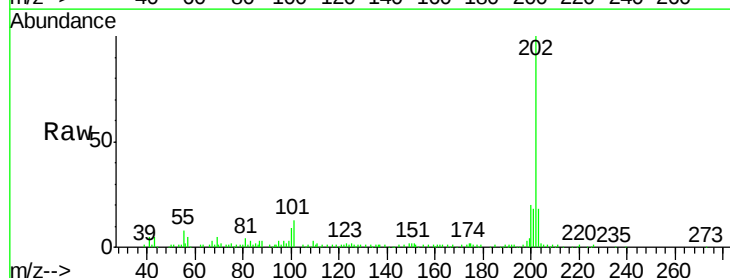
Tgt Ion:202 Resp: 76009

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

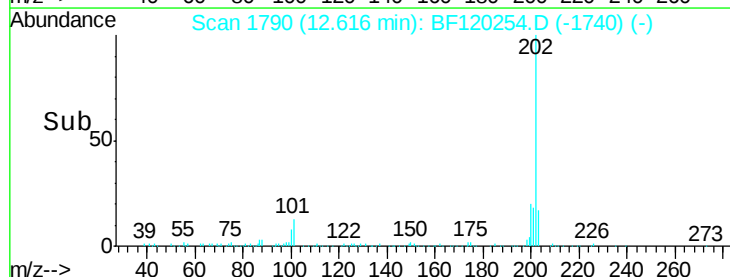
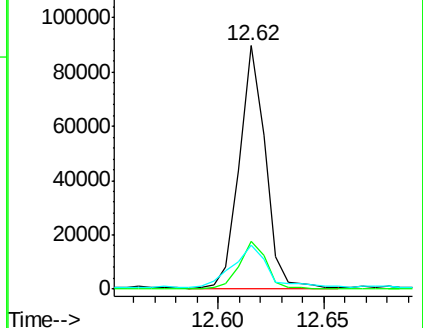
203 18.1 15.1 22.7

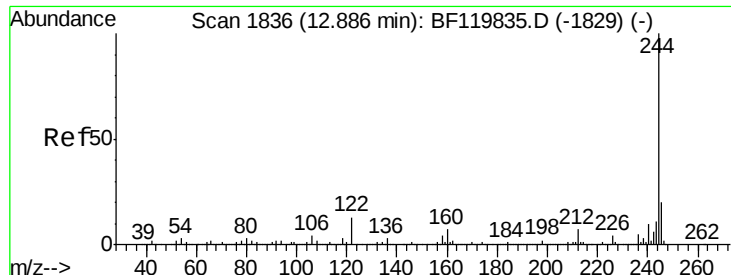


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.858 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampleId :

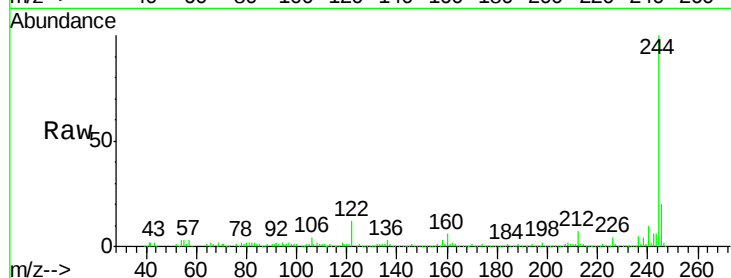
Tot Ion:244 Resp: 242626

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

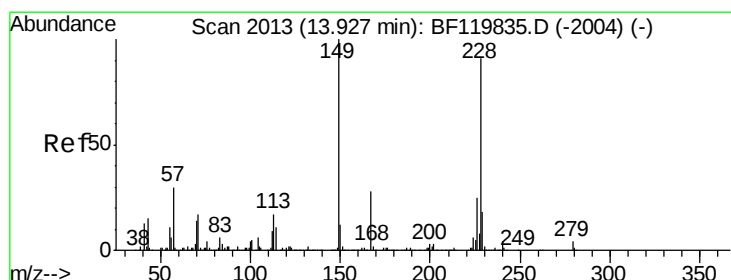
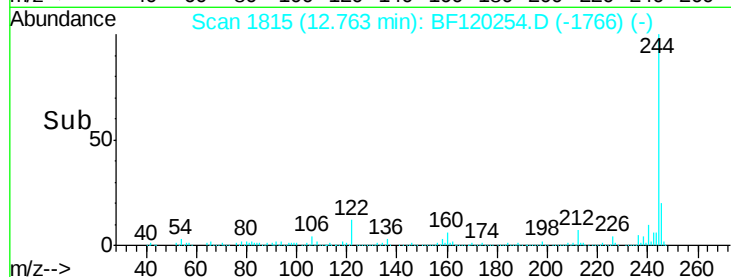
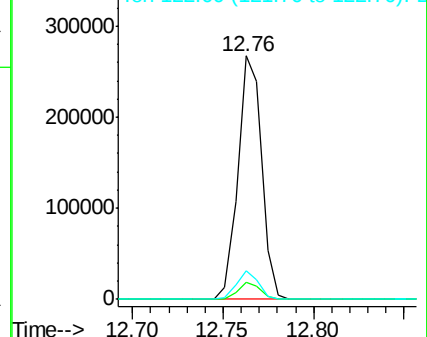
122 11.8 10.3 15.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.414 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

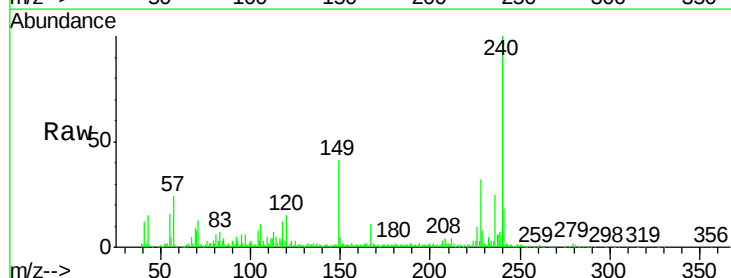
Tgt Ion:149 Resp: 42457

Ion Ratio Lower Upper

149 100

167 27.7 21.3 31.9

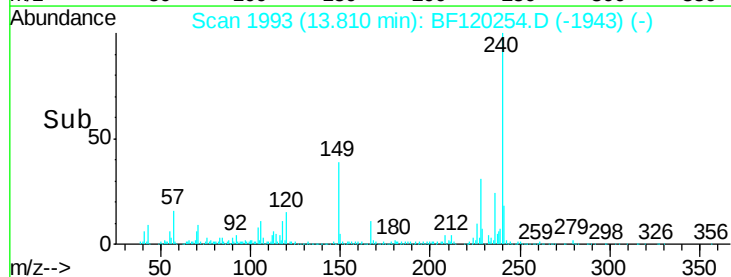
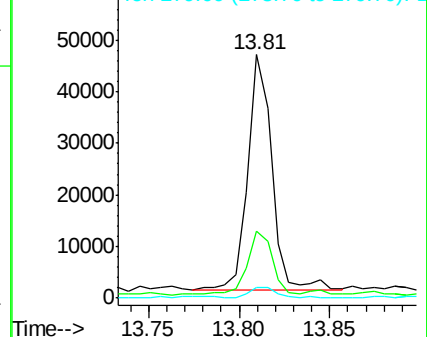
279 4.2 2.7 4.1#

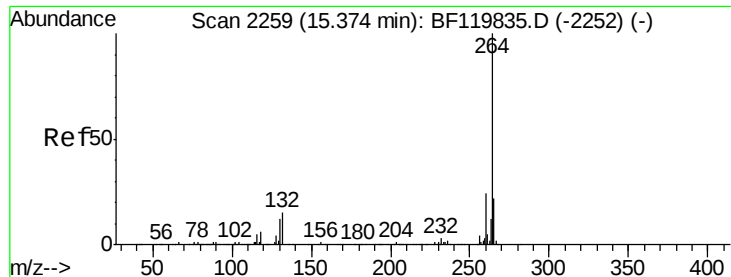


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampleId :

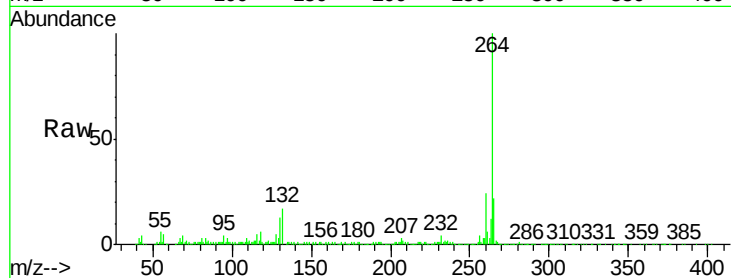
Tot Ion:264 Resp: 297754

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

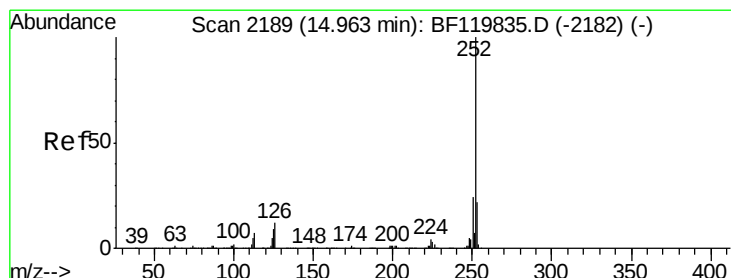
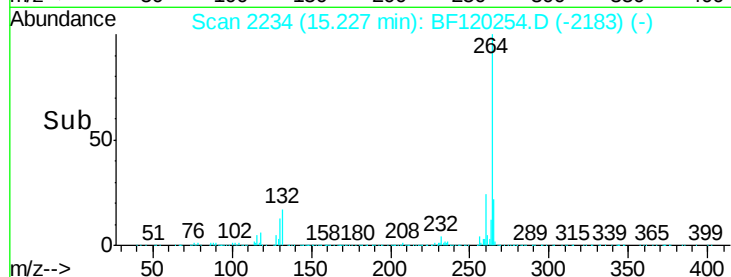
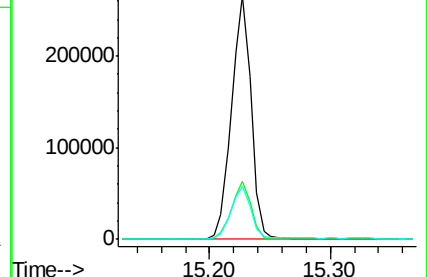
265 21.9 17.7 26.5



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



#88

Benzo(b)fluoranthene

Concen: 2.198 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

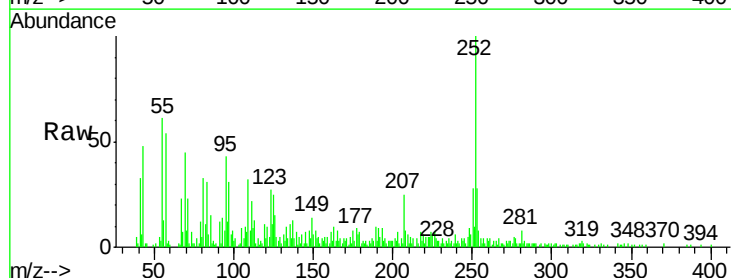
Tgt Ion:252 Resp: 47091

Ion Ratio Lower Upper

252 100

253 27.8 17.4 26.0#

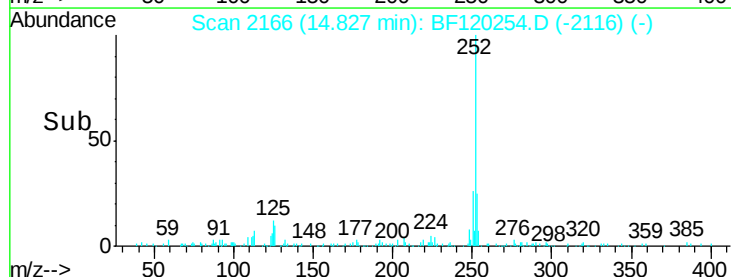
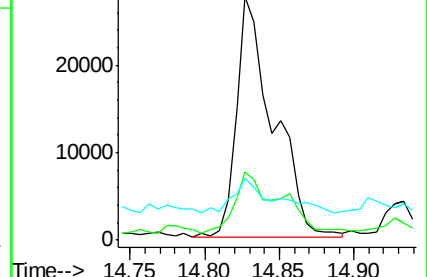
125 25.2 7.9 11.9#

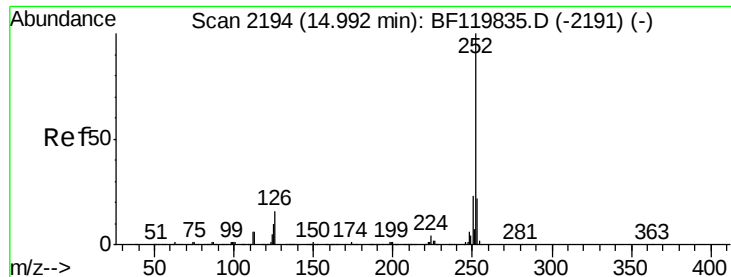


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.548 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.04 min

Lab File: BF120254.D

Acq: 30 Apr 2020 22:02

Instrument :

BNA_F

ClientSampleId :

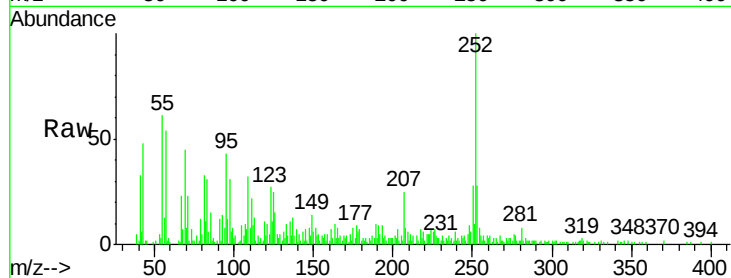
Tot Ion: 252 Resp: 47091

Ion Ratio Lower Upper

252 100

253 27.8 17.8 26.6#

125 25.2 8.4 12.6#



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

