

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042420\
 Data File : BF120205.D
 Acq On : 24 Apr 2020 16:36
 Operator : MA/SJ
 Sample : L2394-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-1

Quant Time: Apr 24 17:09:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 10:24:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	122993	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	448731	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	203389	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	318787	20.00	ng	0.00
76) Chrysene-d12	13.82	240	229973	20.00	ng	0.00
87) Perylene-d12	15.23	264	180453	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	901158	126.62	ng	0.00
7) Phenol-d6	6.32	99	1147531	125.13	ng	0.00
23) Nitrobenzene-d5	7.23	82	683588	78.81	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	217246	87.24	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1264378	88.26	ng	0.00
79) Terphenyl-d14	12.77	244	1019061	74.56	ng	0.00

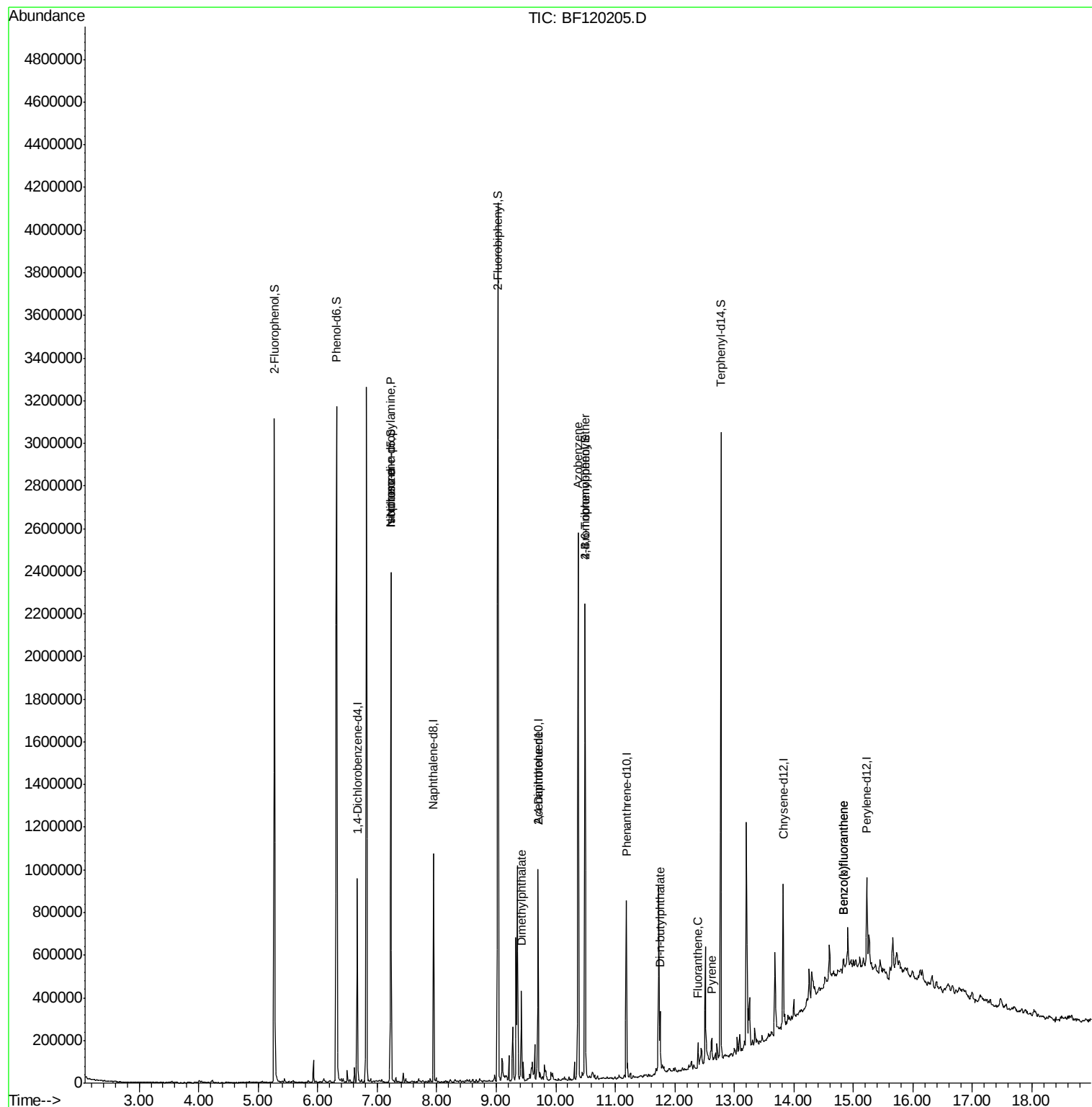
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.21	77	1757	Below Cal		# 80
19) n-Nitroso-di-n-propylamine	7.23	70	91639	15.540	ng	# 77
25) Isophorone	7.23	82	680953	40.725	ng	# 65
50) Dimethylphthalate	9.42	163	132664	8.433	ng	# 99
57) 2,4-Dinitrotoluene	9.70	165	26320	5.799	ng	# 21
63) Azobenzene	10.37	77	32055	2.194	ng	# 31
67) 4-Bromophenyl-phenylether	10.49	248	13503	3.406	ng	# 1
74) Di-n-butylphthalate	11.75	149	114312	5.305	ng	# 97
75) Fluoranthene	12.39	202	42306	2.311	ng	# 93
78) Pyrene	12.62	202	42816	2.208	ng	# 99
88) Benzo(b)fluoranthene	14.83	252	30874	2.378	ng	# 84
89) Benzo(k)fluoranthene	14.83	252	30874	2.756	ng	# 85

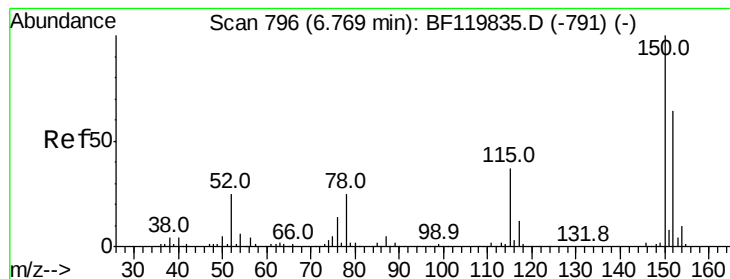
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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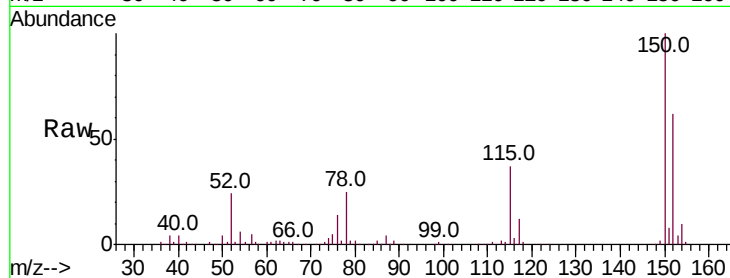


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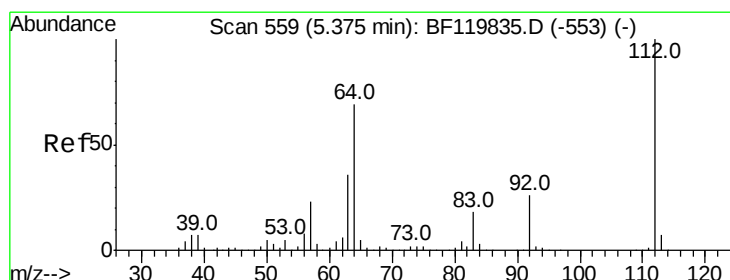
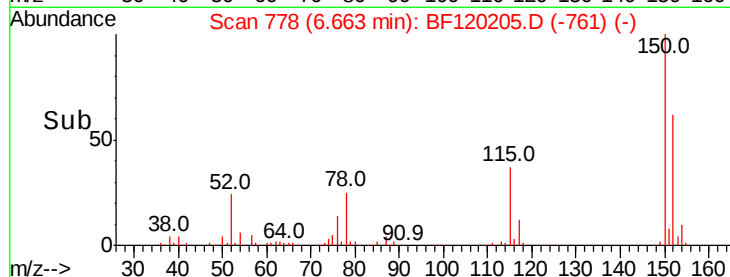
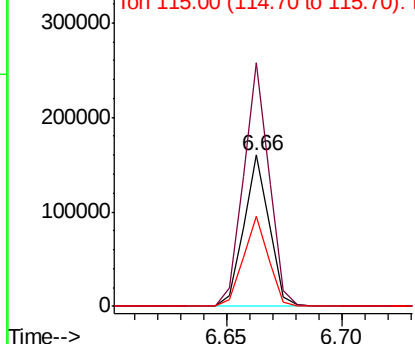
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF120205.D
Acq: 24 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.5	186.7
115	59.9	49.6	74.4



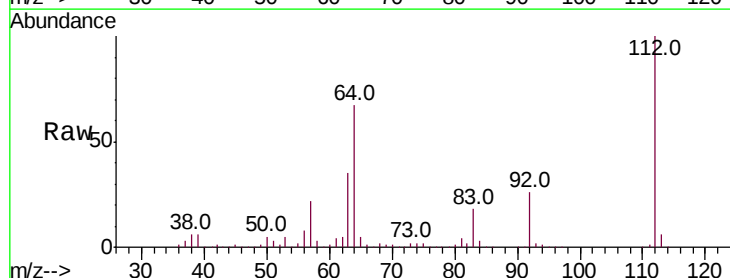
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



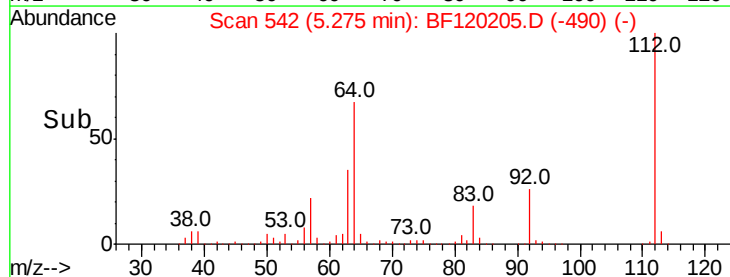
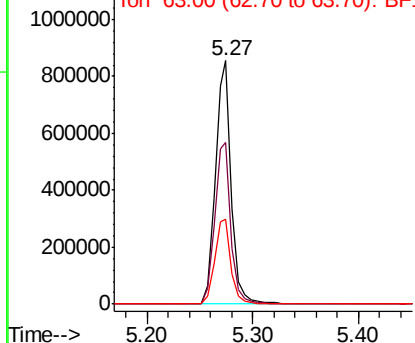
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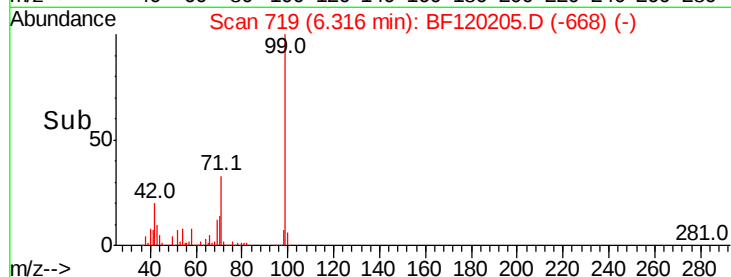
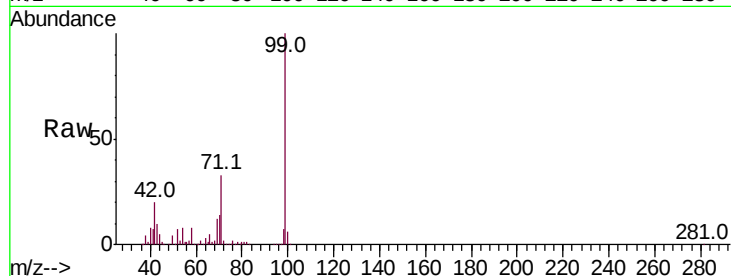
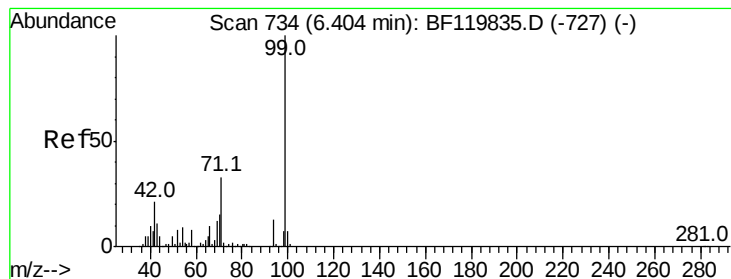
2-Fluorophenol
Concen: 126.622 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF120205.D
Acq: 24 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	56.7	85.1
63	34.7	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: 125.133 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampled :

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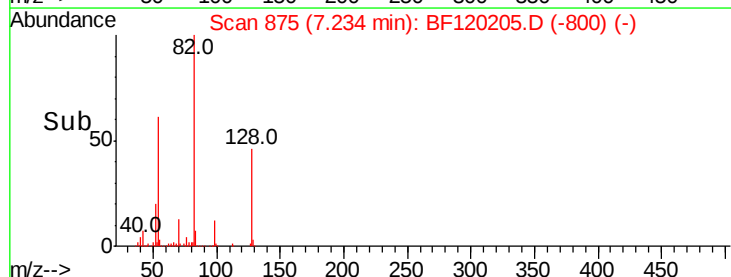
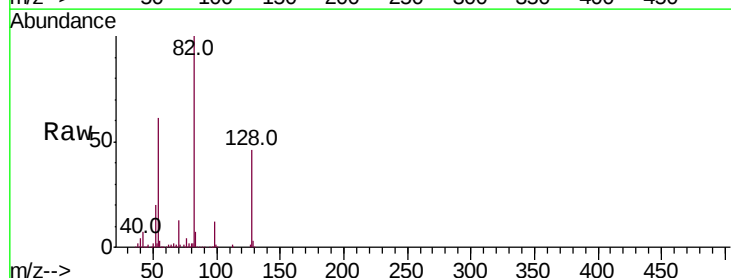
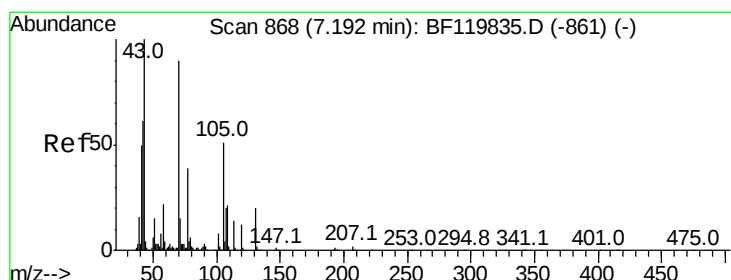
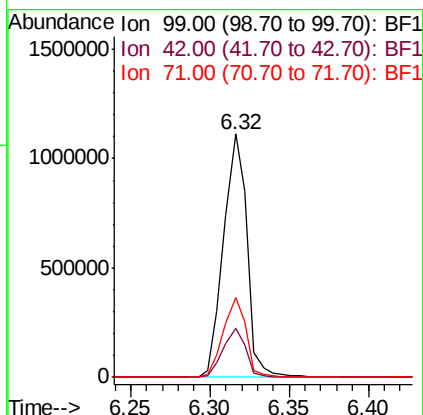
Tot Ion: 99 Resp: 1147531

Ion Ratio Lower Upper

99 100

42 19.9 16.6 24.8

71 32.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.540 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Tgt Ion: 70 Resp: 91639

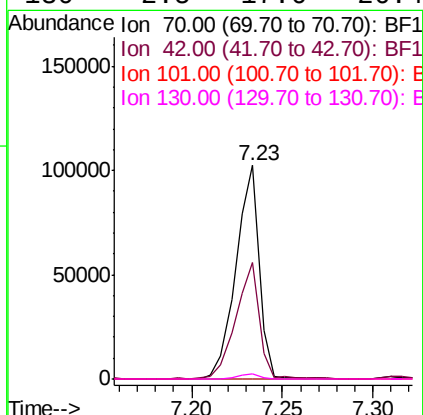
Ion Ratio Lower Upper

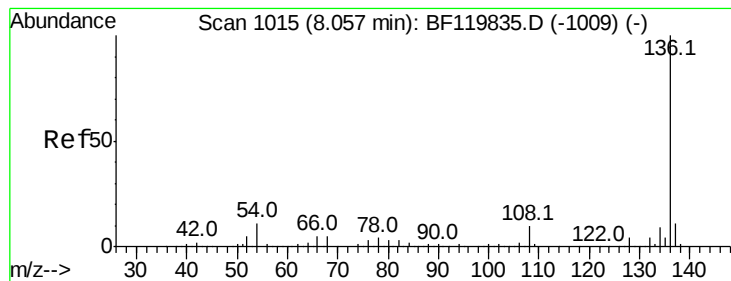
70 100

42 54.5 54.5 81.7

101 0.0 7.6 11.4#

130 2.5 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:136 Resp: 448731

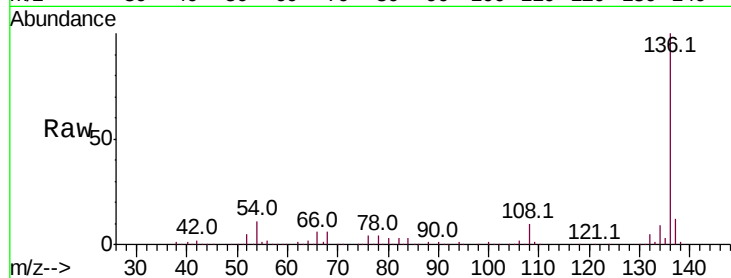
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 11.1 9.1 13.7

68 5.7 4.6 6.8

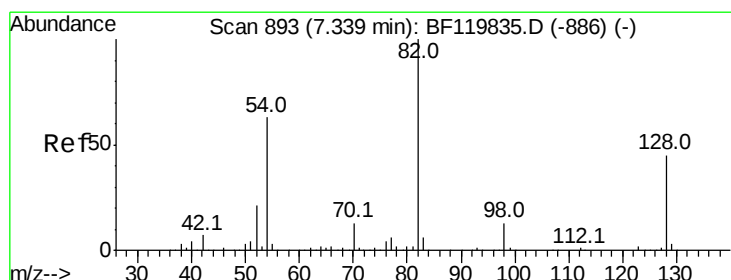
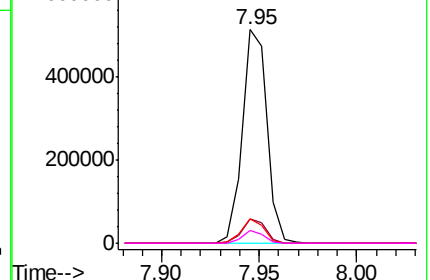
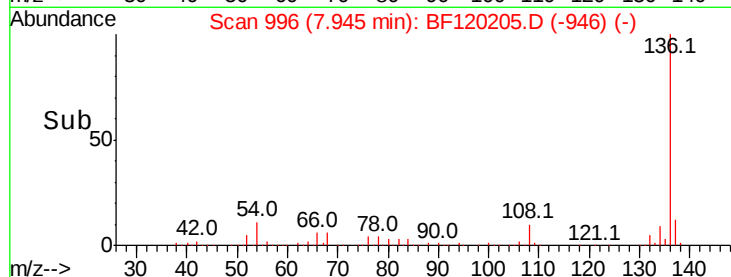


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.810 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

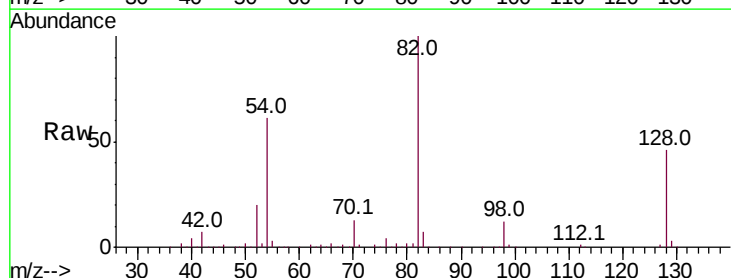
Tgt Ion: 82 Resp: 683588

Ion Ratio Lower Upper

82 100

128 46.4 36.3 54.5

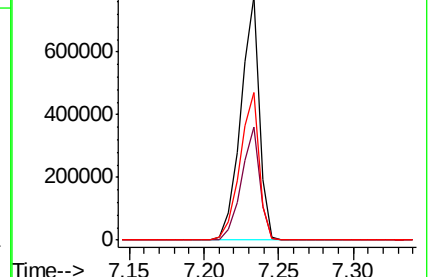
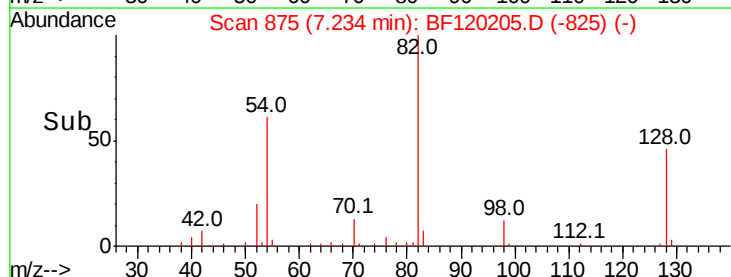
54 60.6 50.6 75.8



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: 40.725 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampled :

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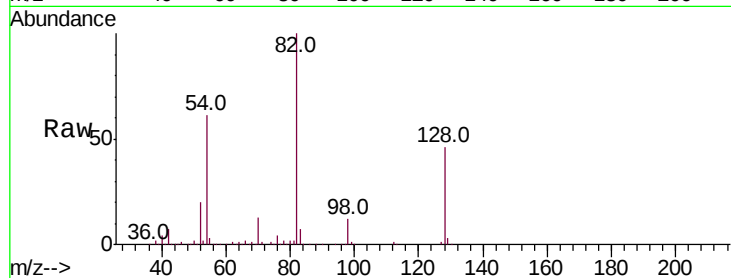
Tot Ion: 82 Resp: 680953

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

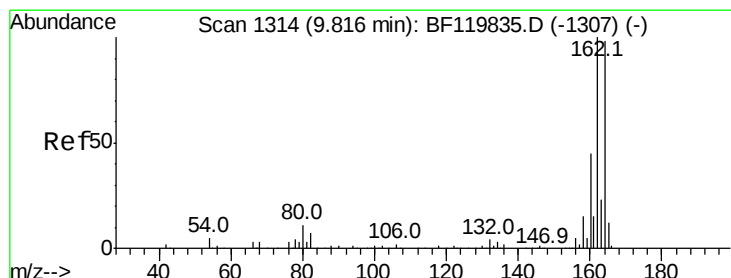
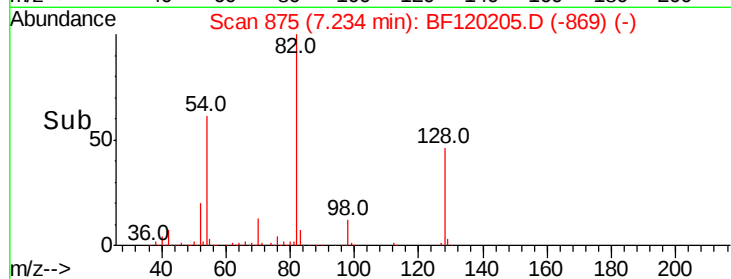
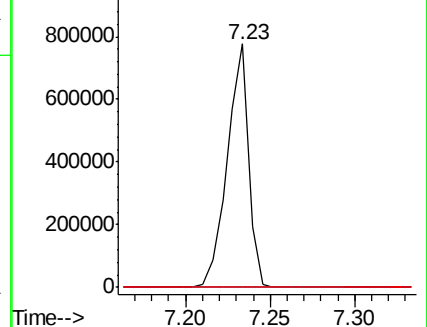
138 0.0 14.6 21.8#



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: 9.70 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

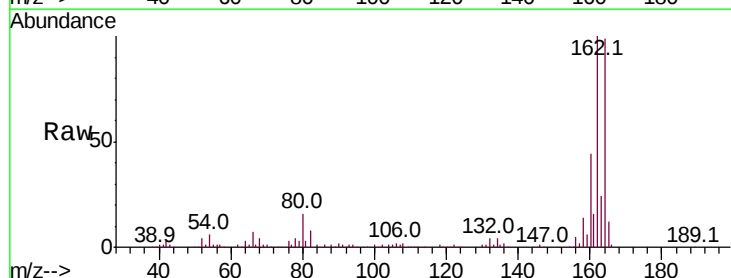
Tgt Ion:164 Resp: 203389

Ion Ratio Lower Upper

164 100

162 101.2 80.6 121.0

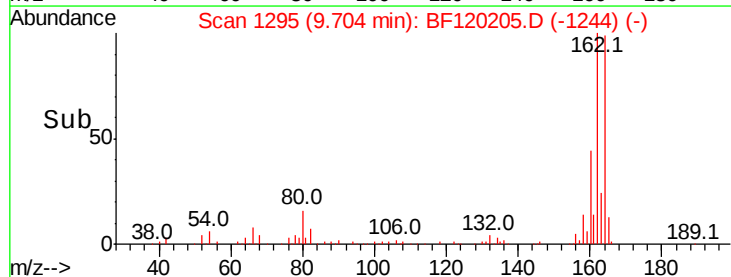
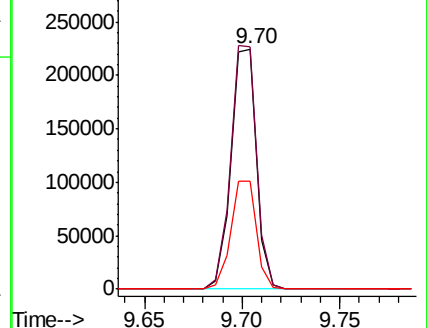
160 44.8 35.7 53.5

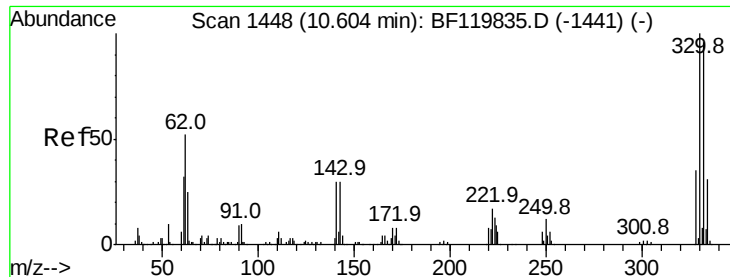


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

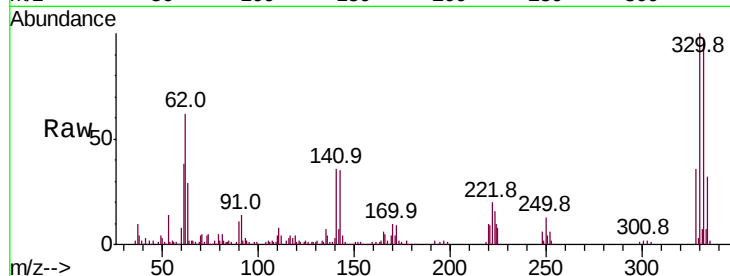




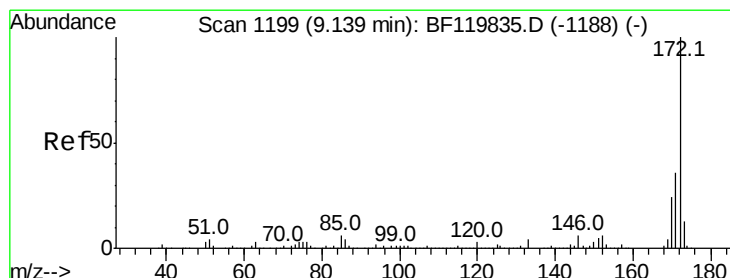
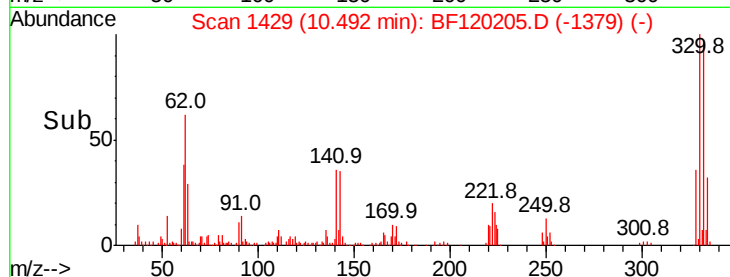
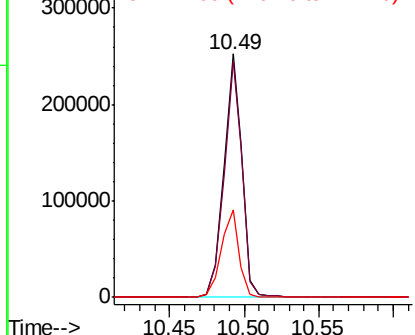
#42
 2,4,6-Tribromophenol
 Concen: 87.241 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF120205.D
 Acq: 24 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.7	113.5
141	35.3	25.4	38.0

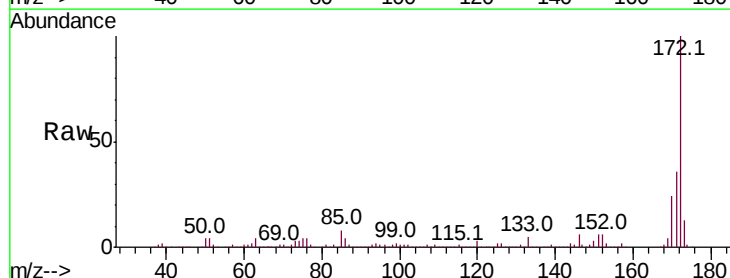


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

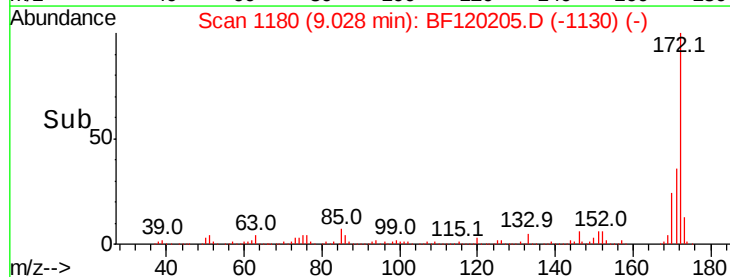
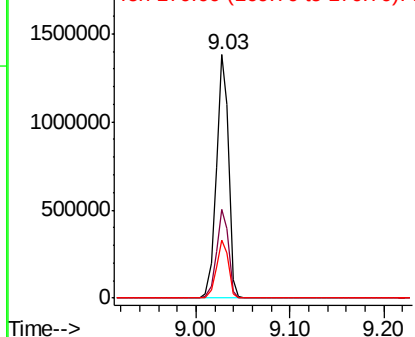


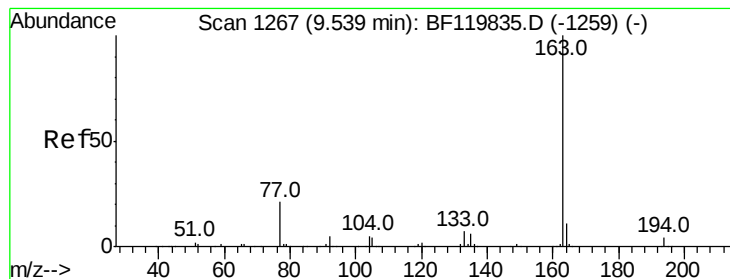
#45
 2-Fluorobiphenyl
 Concen: 88.261 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF120205.D
 Acq: 24 Apr 2020 16:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.1	20.2	30.2



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: 8.433 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

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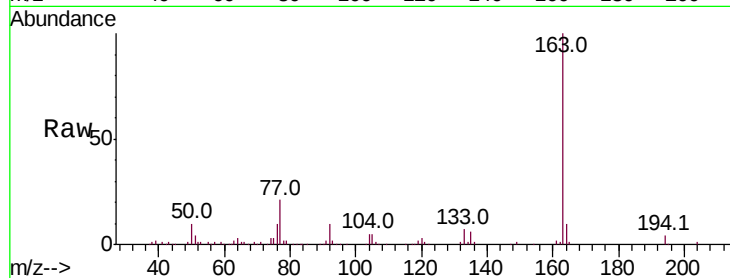
Tot Ion:163 Resp: 132664

Ion Ratio Lower Upper

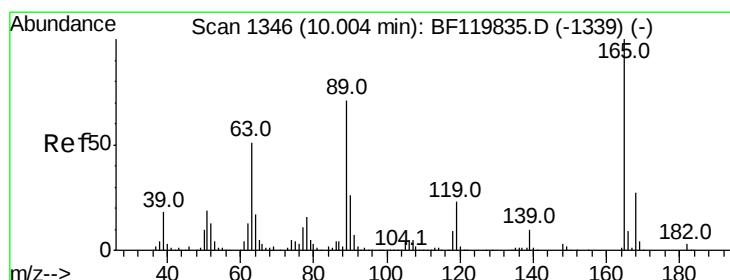
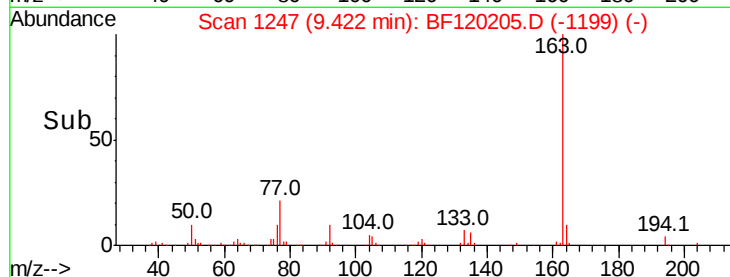
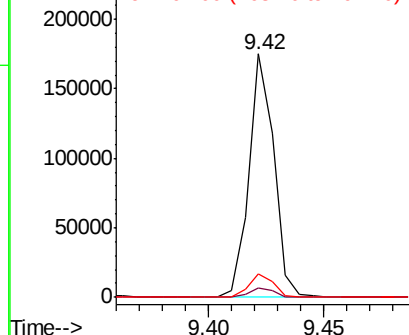
163 100

194 4.0 3.1 4.7

164 9.9 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



#57

2,4-Dinitrotoluene

Concen: 5.799 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.21 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Tgt Ion:165 Resp: 26320

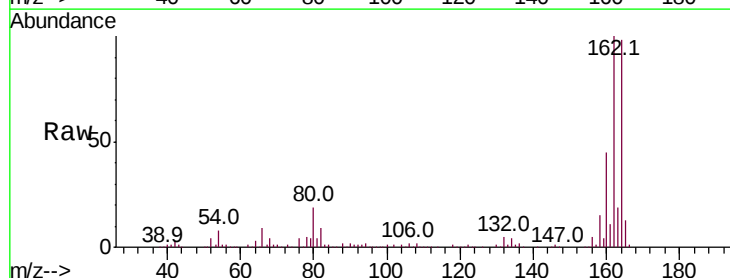
Ion Ratio Lower Upper

165 100

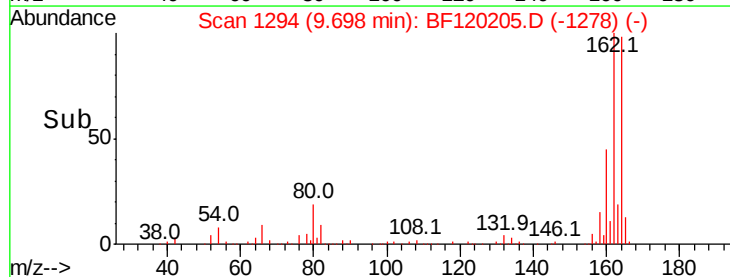
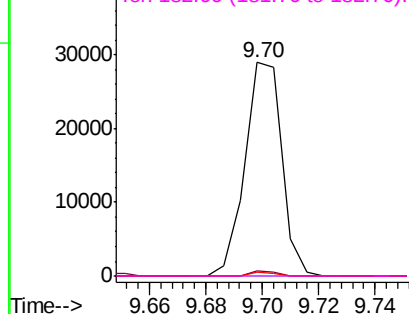
63 2.2 42.6 64.0#

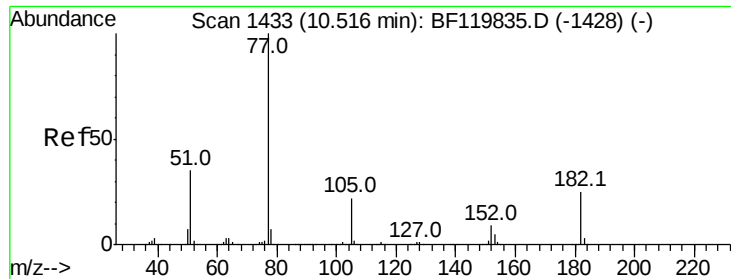
89 1.9 61.0 91.4#

182 0.0 2.2 3.2#



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
Ion 182.00 (181.70 to 182.70): E

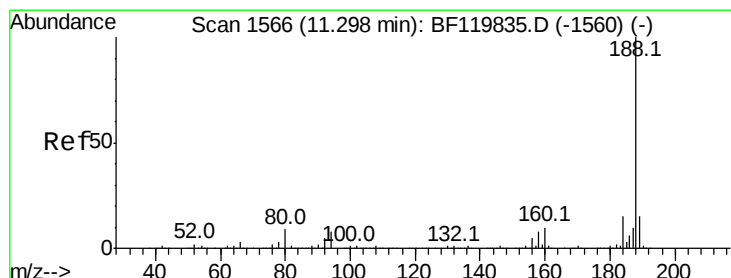
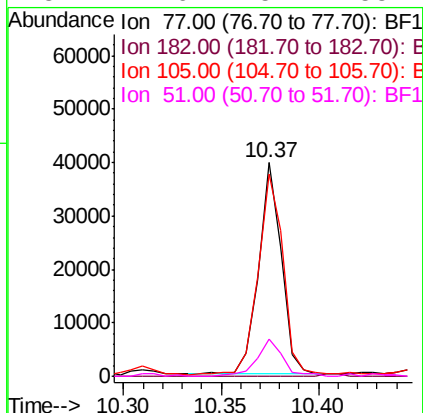
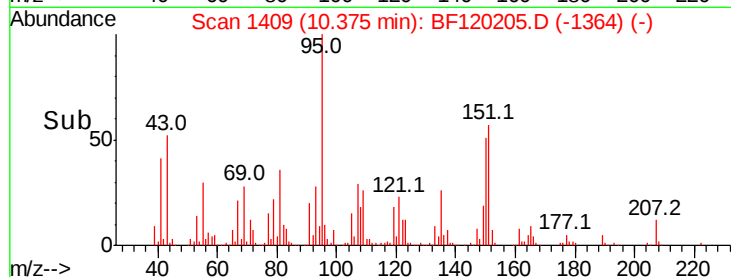
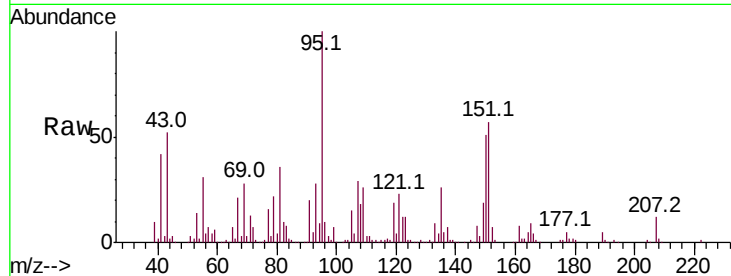




#63
Azobenzene
Concen: 2.194 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.04 min
Lab File: BF120205.D
Acq: 24 Apr 2020 16:36

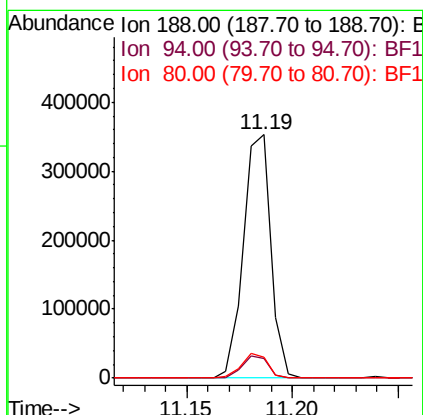
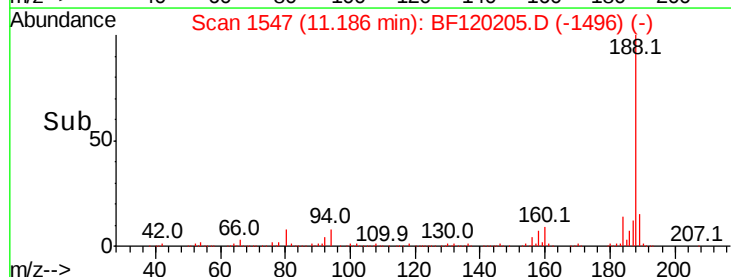
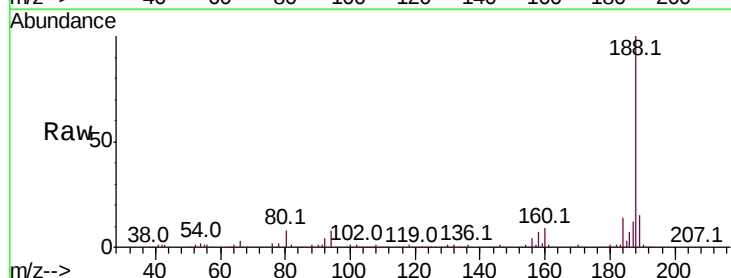
Instrument :
BNA_F
ClientSampleId :
G-1

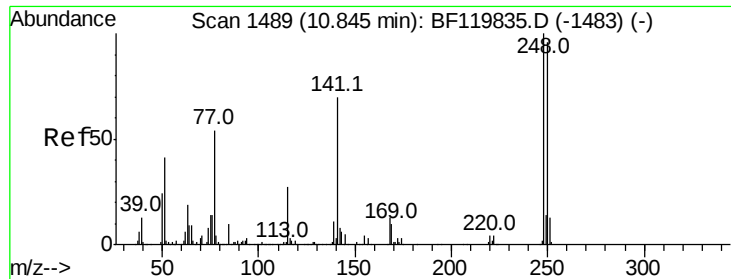
Tot Ion: 77 Resp: 32055
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 94.6 2.6 42.6#
51 17.6 15.1 55.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BF120205.D
Acq: 24 Apr 2020 16:36

Tgt Ion: 188 Resp: 318787
Ion Ratio Lower Upper
188 100
94 7.8 7.5 11.3
80 8.4 9.0 13.4#

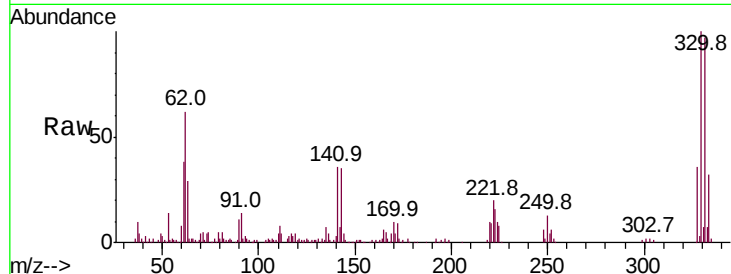




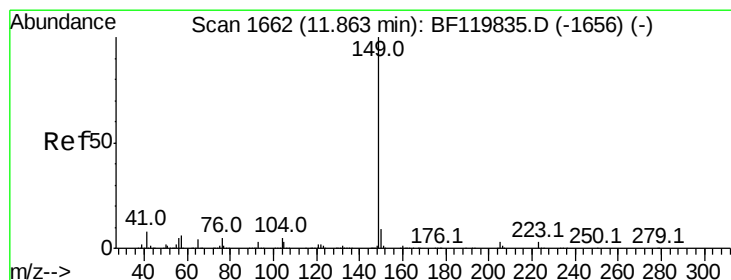
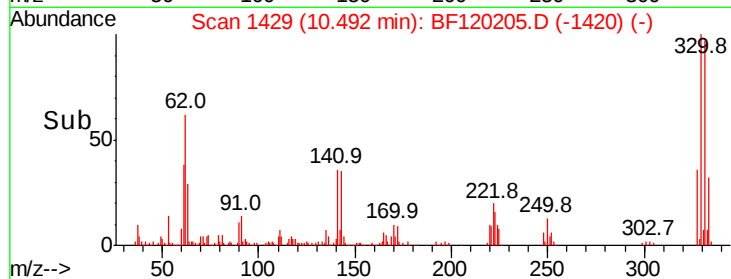
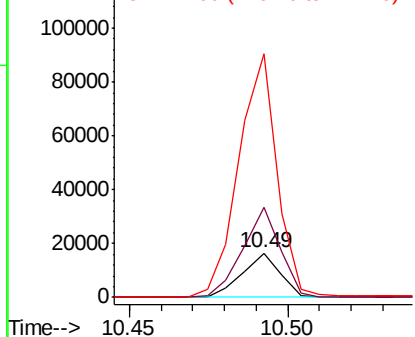
#67
 4-Bromophenyl-phenylether
 Concen: 3.406 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.25 min
 Lab File: BF120205.D
 Acq: 24 Apr 2020 16:36

Instrument :
 BNA_F
 ClientSampled :
 G-1

Tot Ion:248 Resp: 13503
 Ion Ratio Lower Upper
 248 100
 250 203.7 77.3 115.9#
 141 553.2 58.6 87.8#

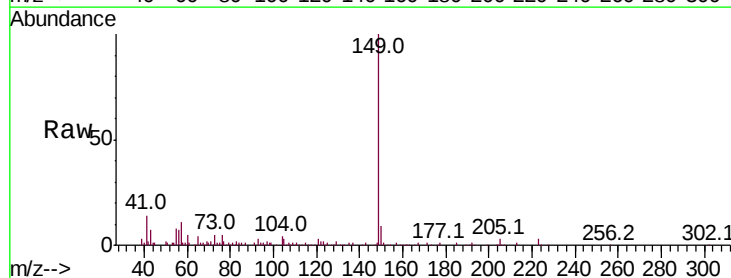


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

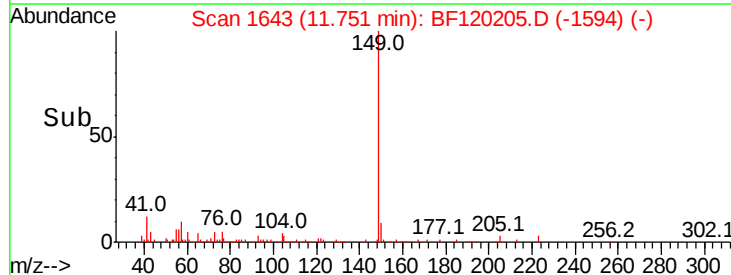
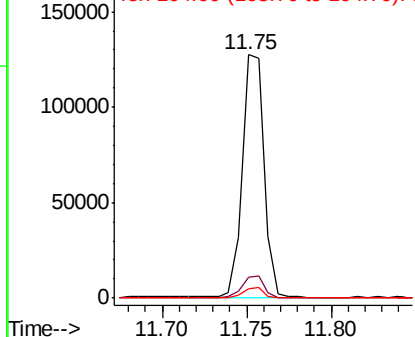


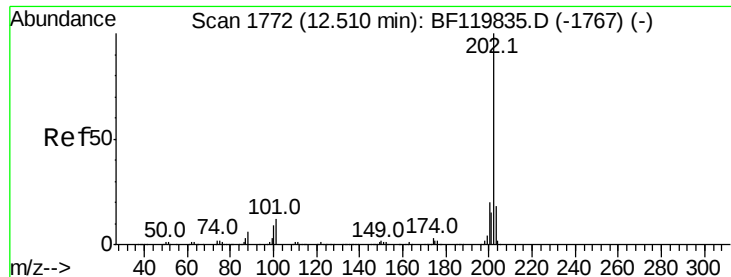
#74
 Di-n-butylphthalate
 Concen: 5.305 ng
 RT: 11.75 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BF120205.D
 Acq: 24 Apr 2020 16:36

Tgt Ion:149 Resp: 114312
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.8 11.8
 104 3.9 3.6 5.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 2.311 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

G-1

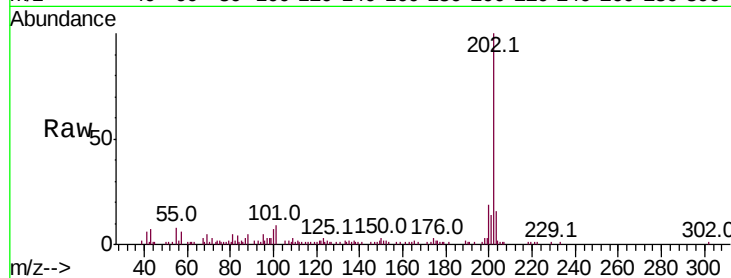
Tot Ion:202 Resp: 42306

Ion Ratio Lower Upper

202 100

101 8.8 0.0 32.2

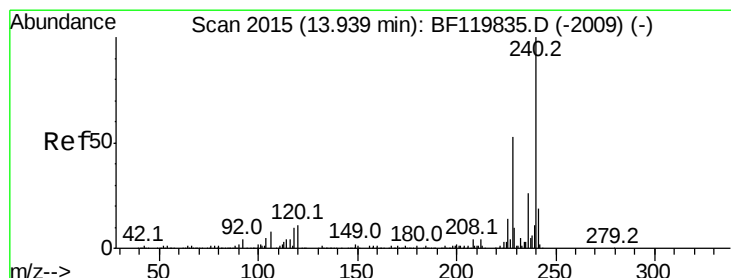
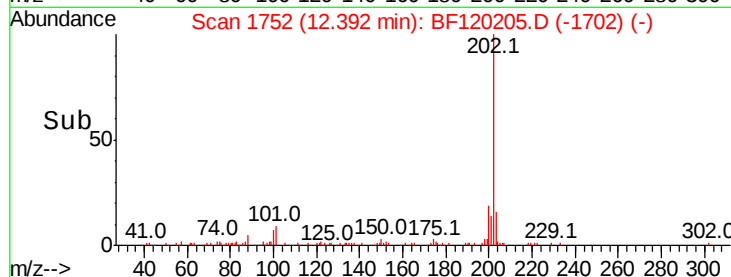
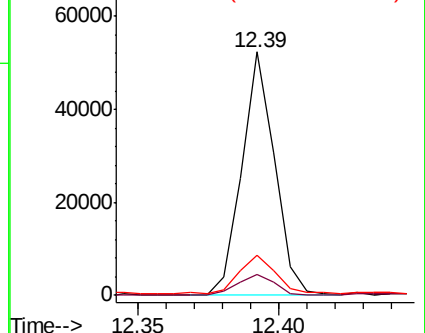
203 16.3 0.0 38.8



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: BF120205.D

Acq: 24 Apr 2020 16:36

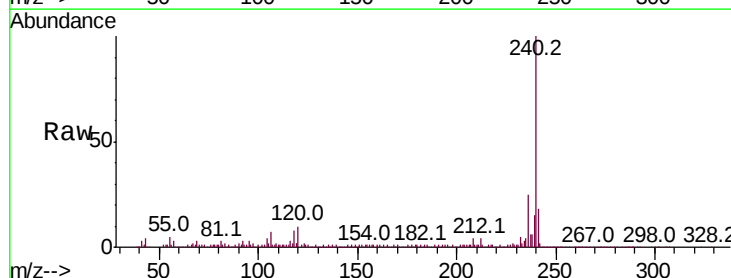
Tgt Ion:240 Resp: 229973

Ion Ratio Lower Upper

240 100

120 10.2 10.6 15.8#

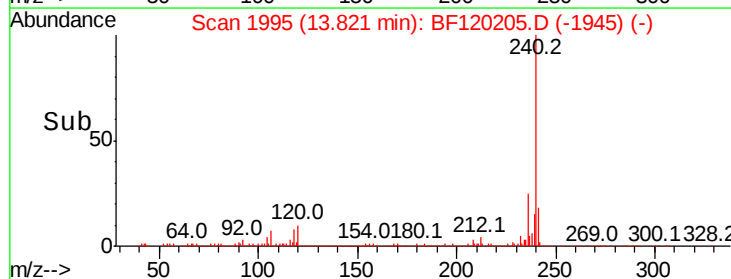
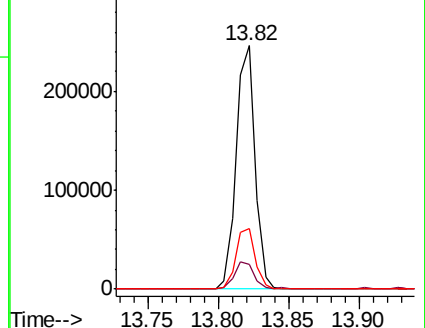
236 25.0 20.2 30.2

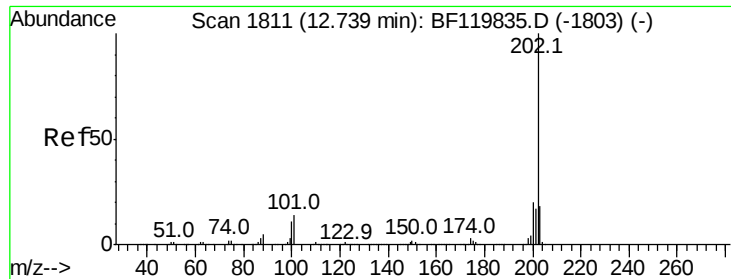


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.208 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

G-1

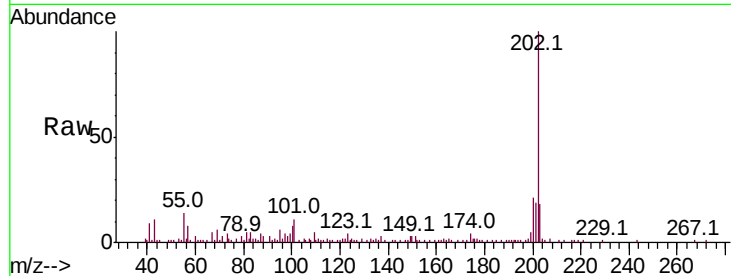
Tot Ion:202 Resp: 42816

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

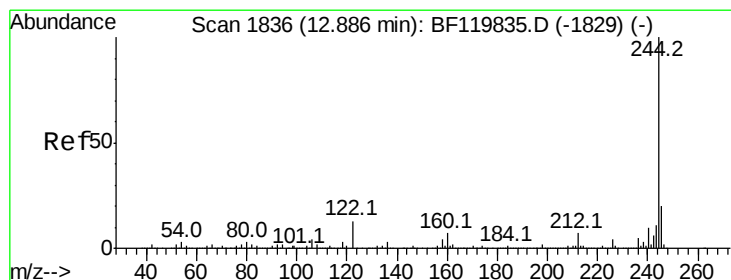
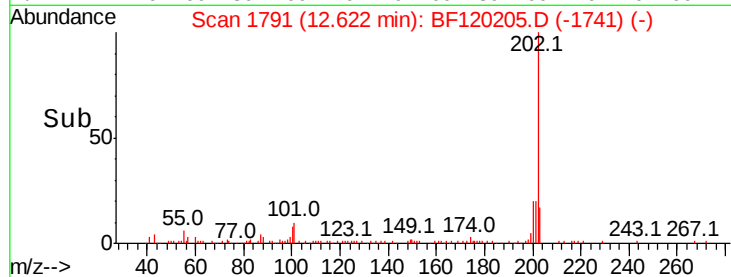
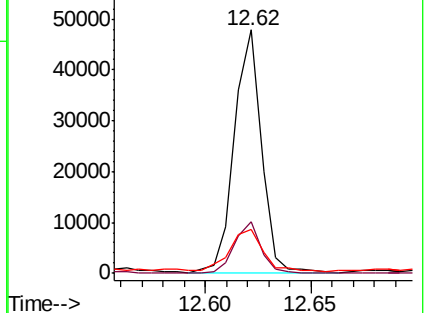
203 18.2 15.1 22.7



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: 74.562 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

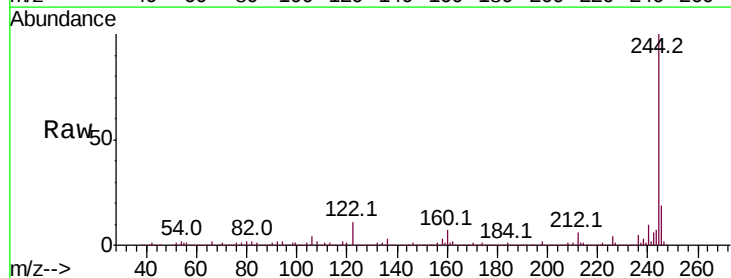
Tgt Ion:244 Resp: 1019061

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

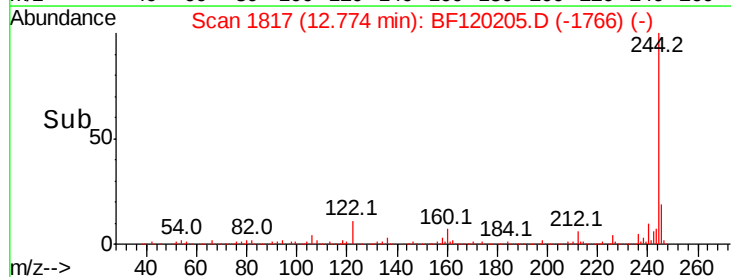
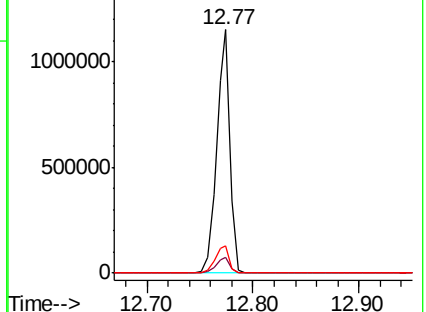
122 11.0 10.3 15.5

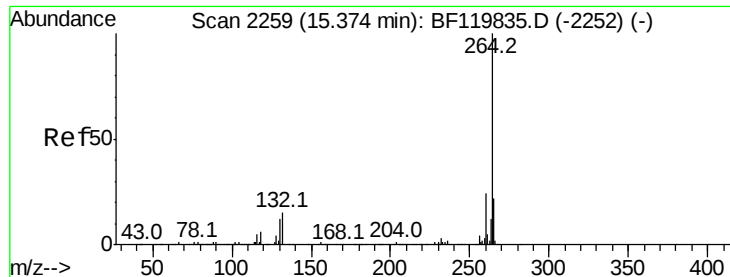


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



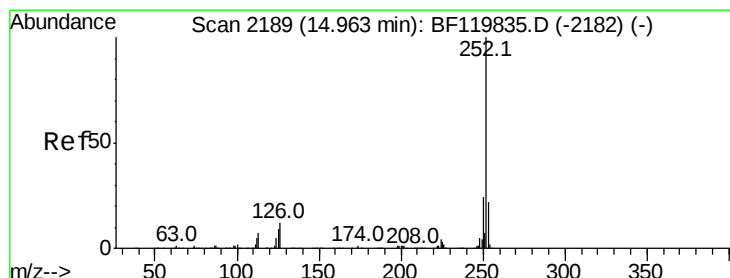
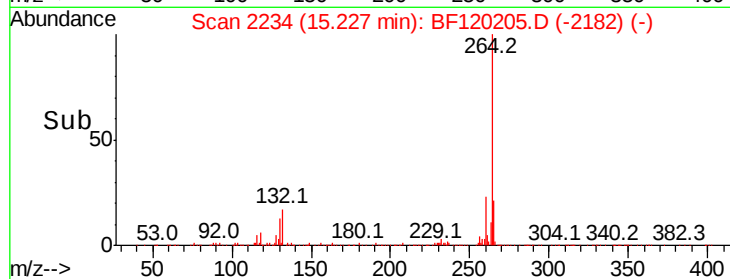
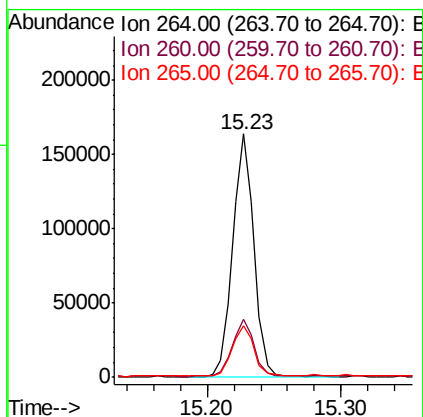
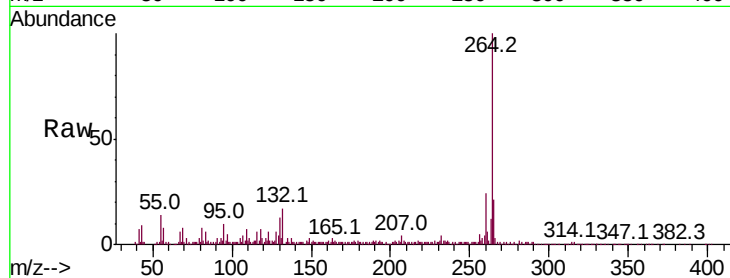


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF120205.D
Acq: 24 Apr 2020 16:36

Instrument :
BNA_F
ClientSampleId :
G-1

Tot Ion:264 Resp: 180453

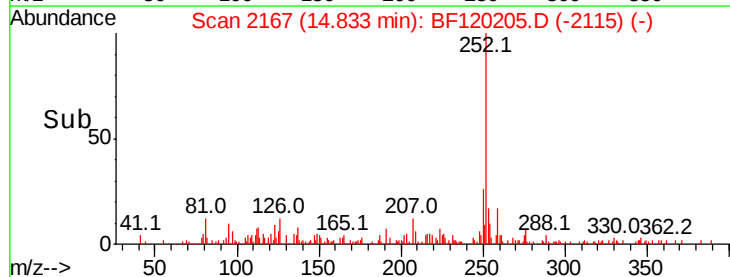
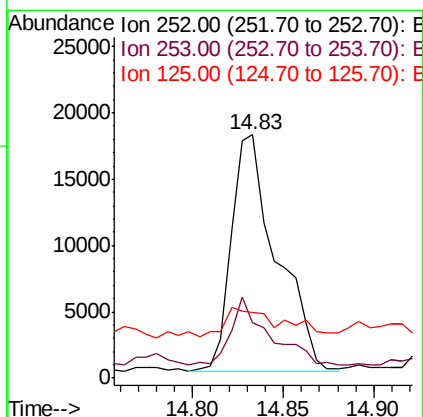
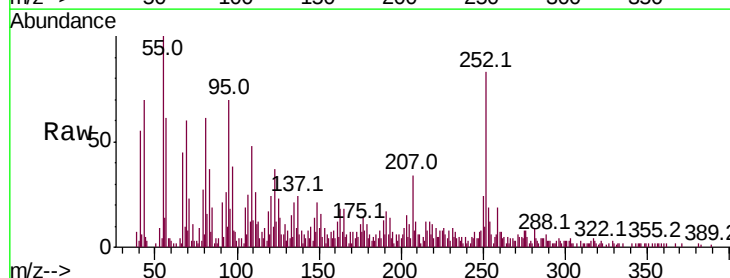
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.4	17.7	26.5

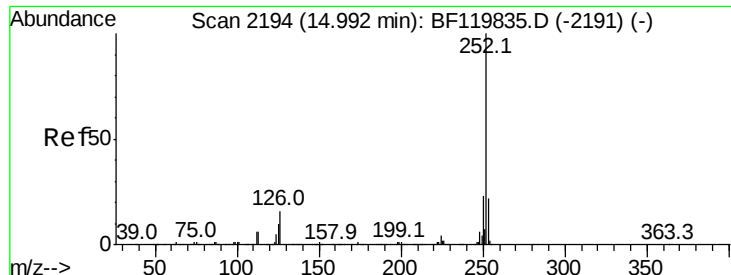


#88
Benzo(b)fluoranthene
Concen: 2.378 ng
RT: 14.83 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF120205.D
Acq: 24 Apr 2020 16:36

Tgt Ion:252 Resp: 30874

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	27.2	7.9	11.9#





#89

Benzo(k)fluoranthene

Concen: 2.756 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF120205.D

Acq: 24 Apr 2020 16:36

Instrument :

BNA_F

ClientSampleId :

G-1

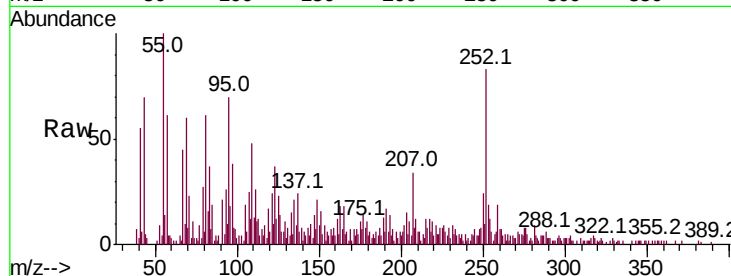
Tot Ion:252 Resp: 30874

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 27.2 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

