

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\
 Data File : BF118721.D
 Acq On : 27 Jan 2020 16:14
 Operator : CG/JU
 Sample : L1017-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 16:45:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	303275	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1067267	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	499148	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	750973	20.00	ng	0.00
76) Chrysene-d12	14.02	240	603354	20.00	ng	0.00
87) Perylene-d12	15.49	264	770576	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	796156	48.76	ng	0.00
7) Phenol-d6	6.48	99	951344	44.82	ng	-0.01
23) Nitrobenzene-d5	7.42	82	590453	30.94	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	222004	38.45	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1148112	37.81	ng	0.00
79) Terphenyl-d14	12.99	244	999180	36.12	ng	0.02

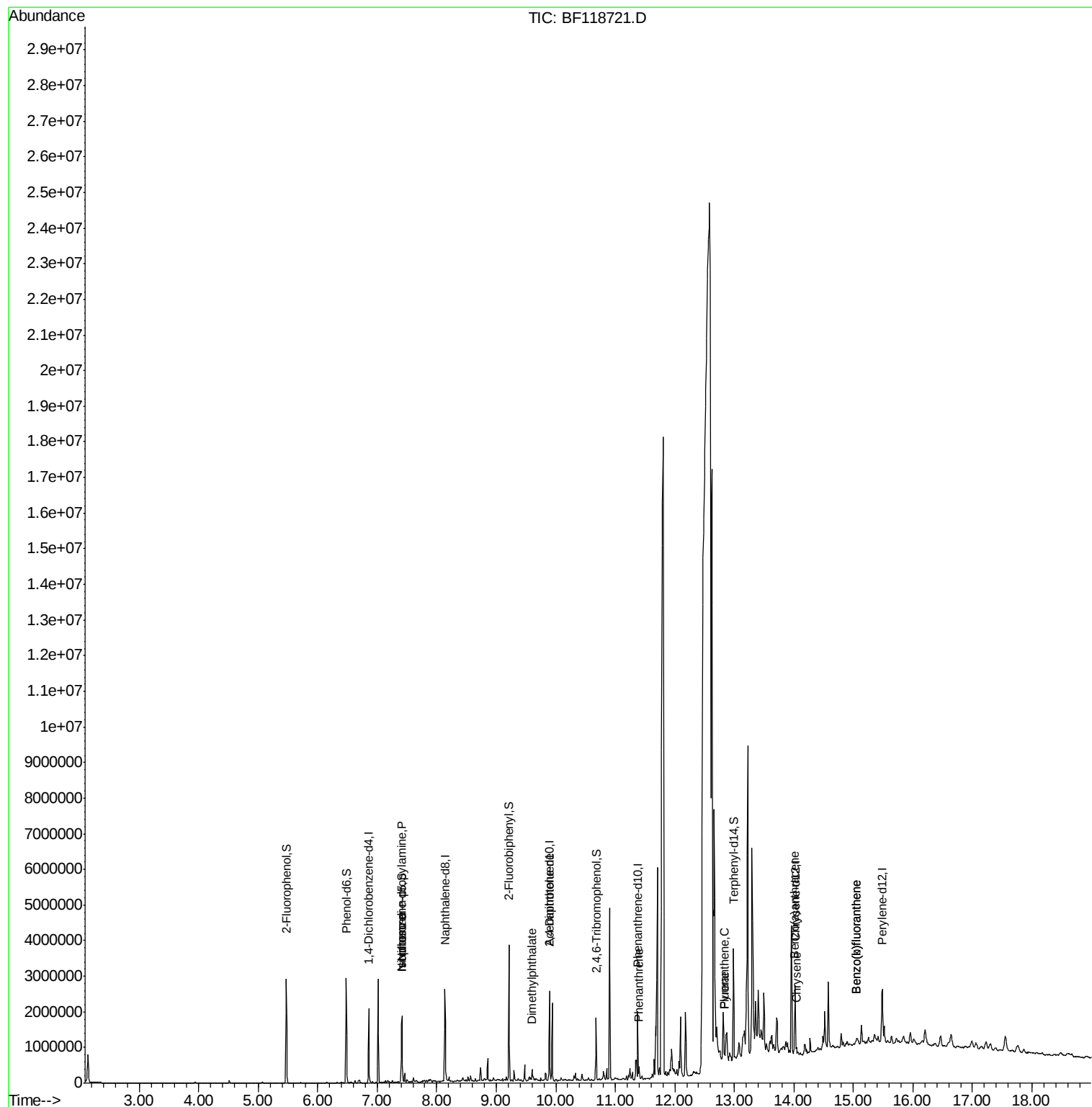
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	82223	5.737	ng	# 74
25) Isophorone	7.42	82	584845	16.805	ng	# 63
50) Dimethylphthalate	9.60	163	105376	3.240	ng	99
57) 2,4-Dinitrotoluene	9.89	165	67173	7.317	ng	# 30
71) Phenanthrene	11.40	178	127876	3.530	ng	98
75) Fluoranthene	12.84	202	91484	2.394	ng	94
78) Pyrene	12.84	202	91562	2.235	ng	95
81) Benzo(a)anthracene	14.01	228	80406	2.215	ng	# 89
83) Chrysene	14.04	228	78494	2.257	ng	# 95
88) Benzo(b)fluoranthene	15.06	252	122597	2.531	ng	# 80
89) Benzo(k)fluoranthene	15.06	252	122597	2.732	ng	# 81

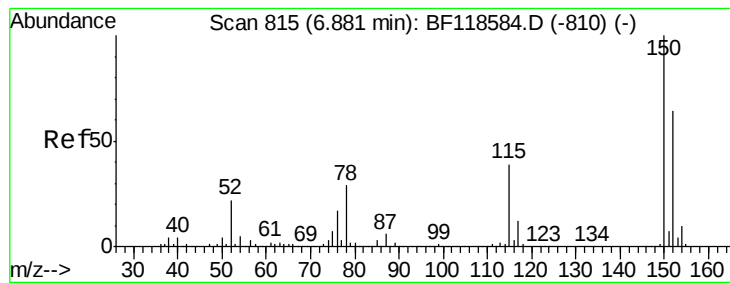
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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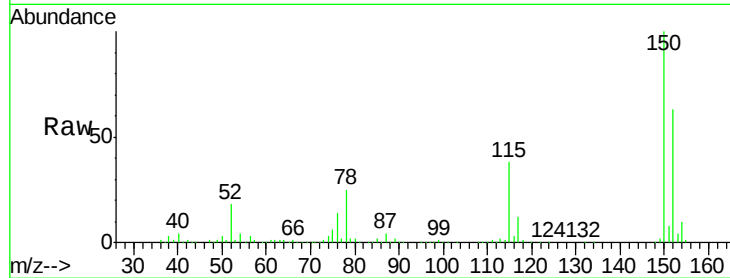


#1

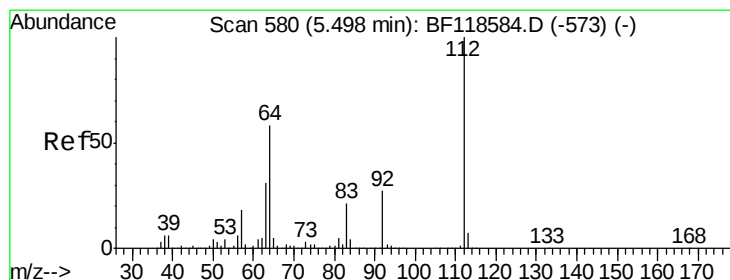
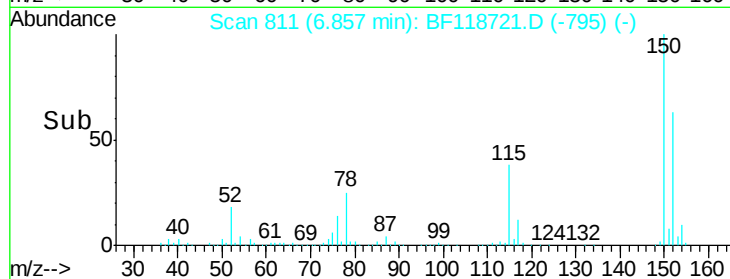
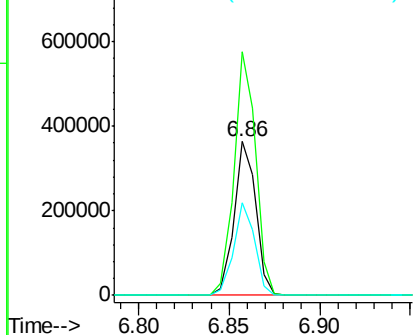
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	123.7	185.5
115	60.2	45.1	67.7



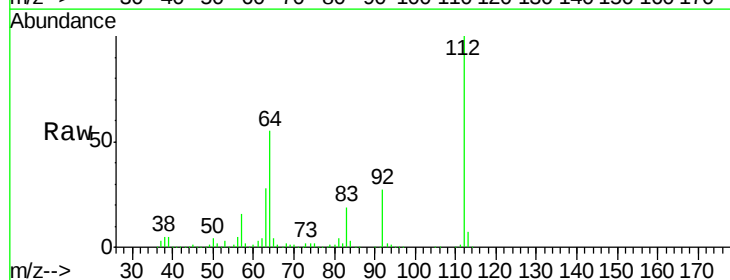
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



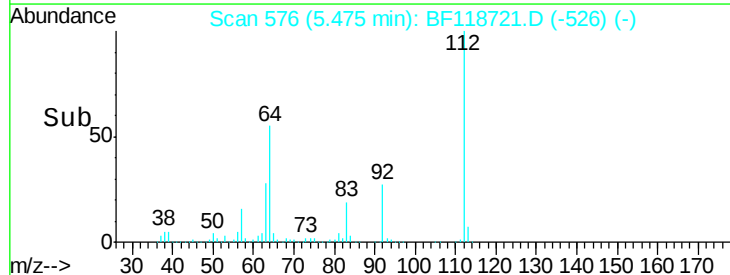
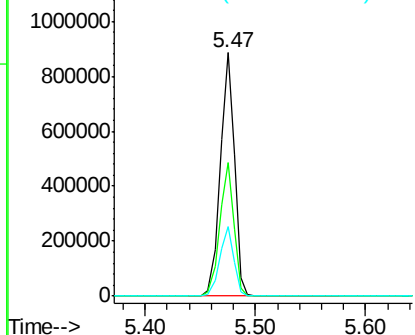
#5

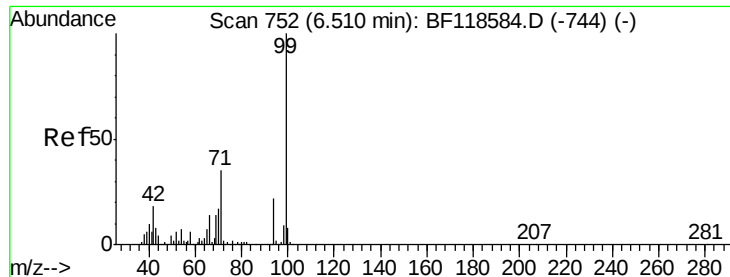
2-Fluorophenol
Concen: 48.757 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	42.4	63.6
63	28.3	21.7	32.5



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: 44.824 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampled :

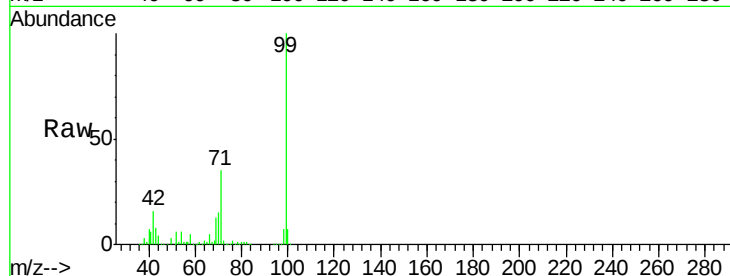
Tot Ion: 99 Resp: 951344

Ion Ratio Lower Upper

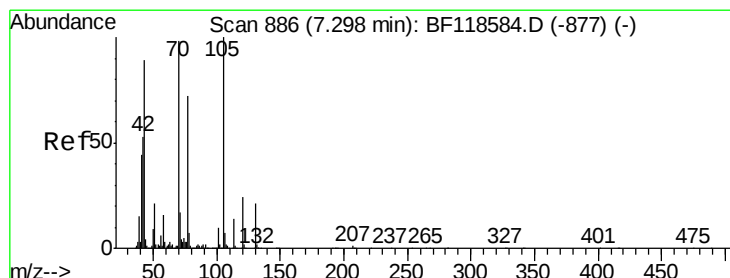
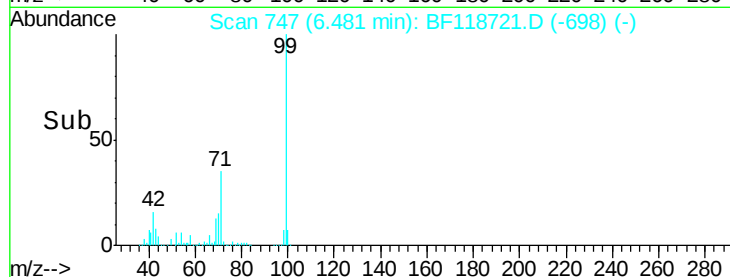
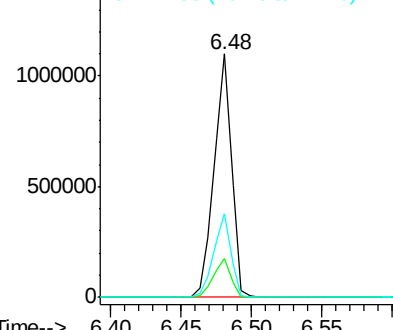
99 100

42 16.1 13.1 19.7

71 34.6 28.4 42.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.737 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Tgt Ion: 70 Resp: 82223

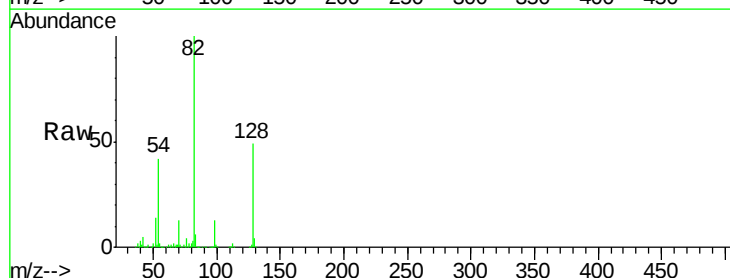
Ion Ratio Lower Upper

70 100

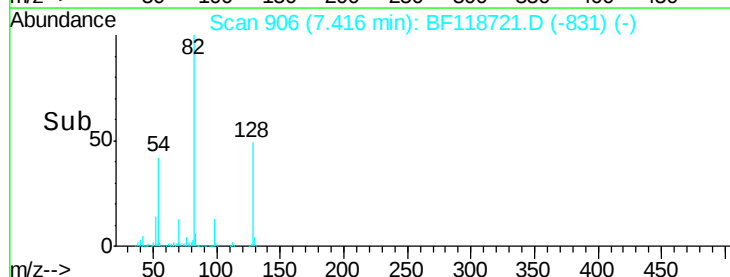
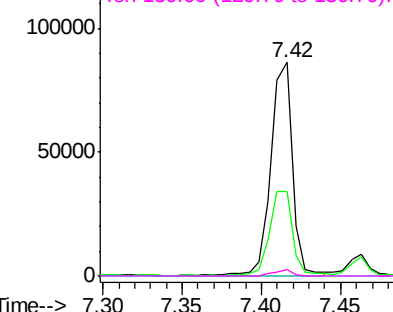
42 39.5 41.6 62.4#

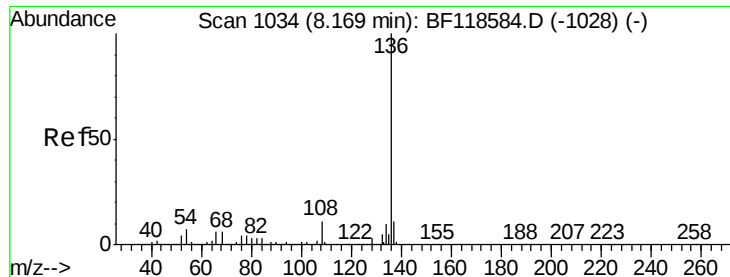
101 0.0 7.9 11.9#

130 2.8 19.0 28.6#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1067267

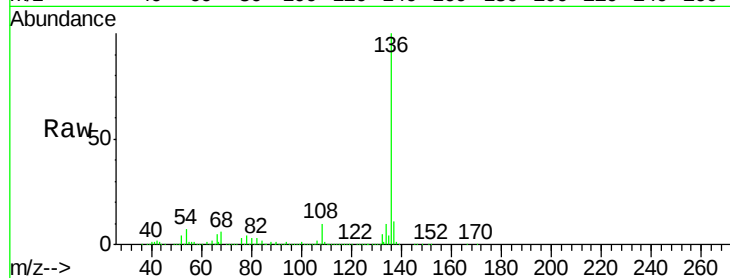
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.9 5.1 7.7

68 6.0 4.3 6.5

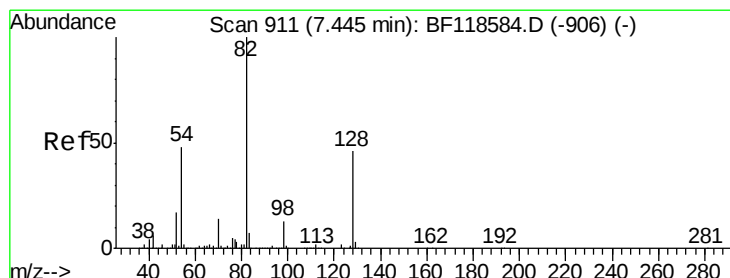
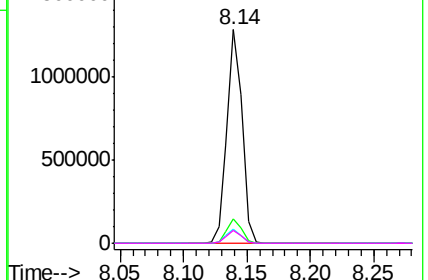
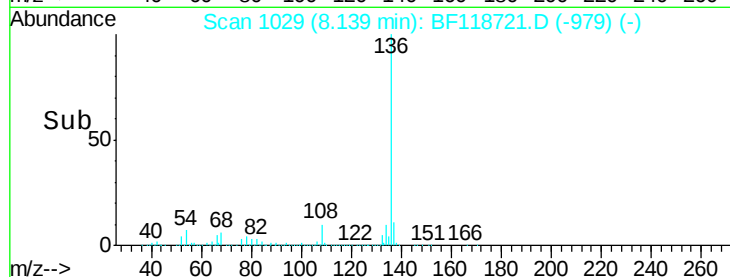


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.945 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

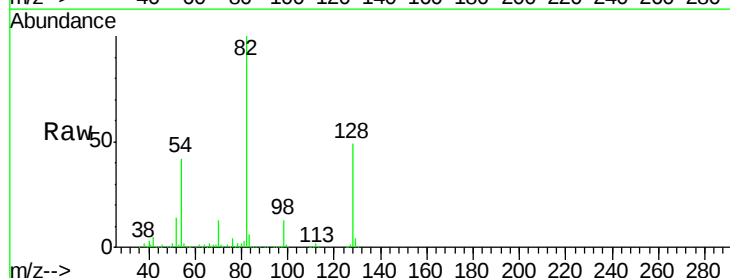
Tgt Ion: 82 Resp: 590453

Ion Ratio Lower Upper

82 100

128 49.1 38.2 57.2

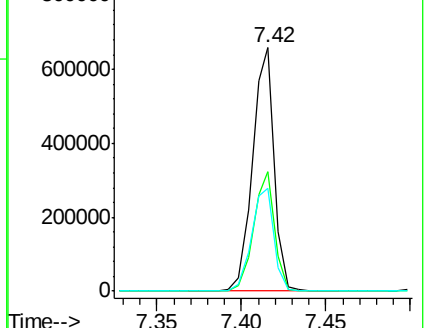
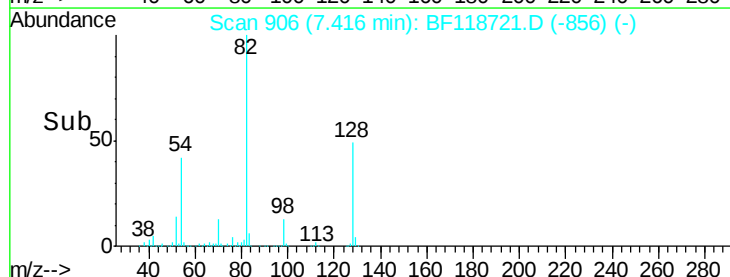
54 42.3 36.1 54.1



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: 16.805 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampled :

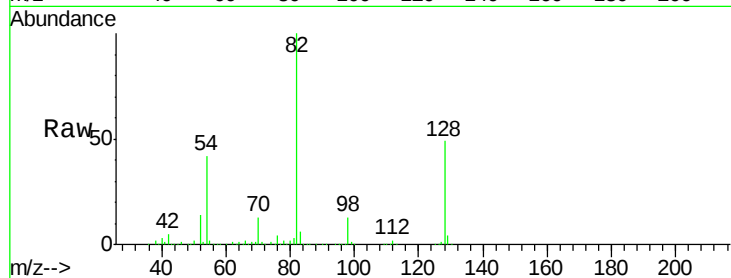
Tot Ion: 82 Resp: 584845

Ion Ratio Lower Upper

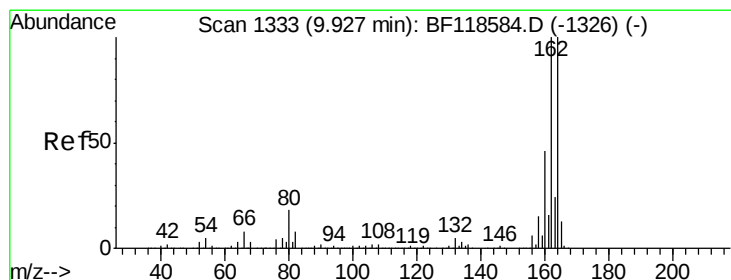
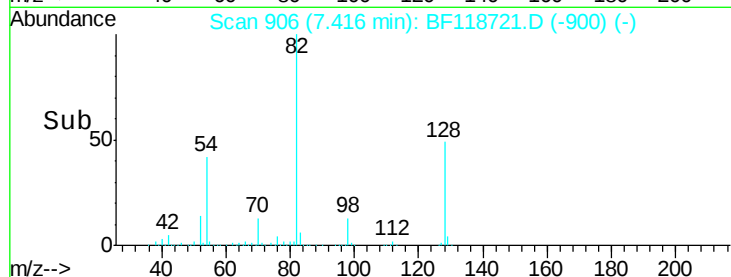
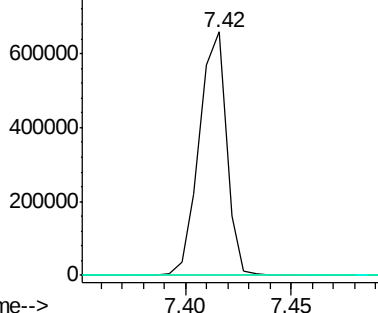
82 100

95 0.1 5.8 8.8#

138 0.0 15.8 23.8#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

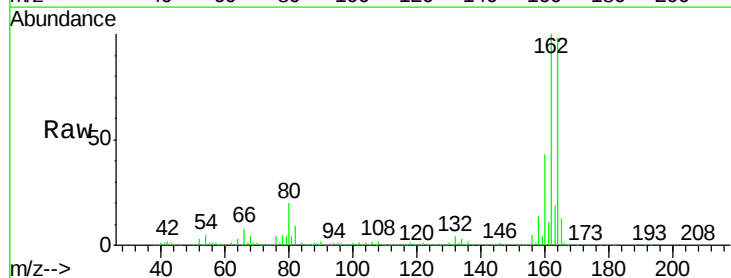
Tgt Ion: 164 Resp: 499148

Ion Ratio Lower Upper

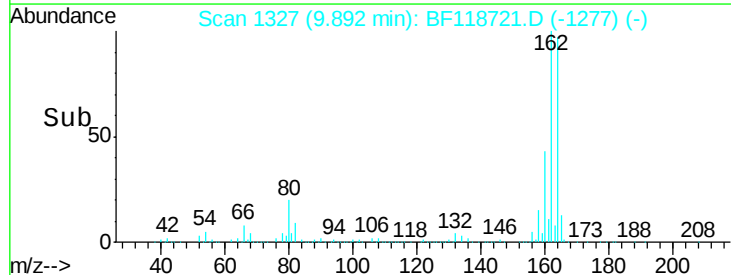
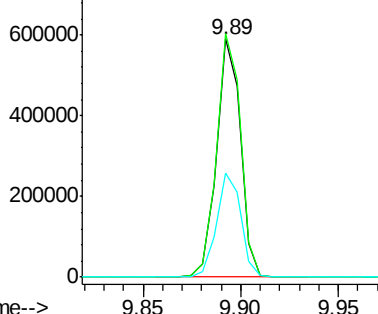
164 100

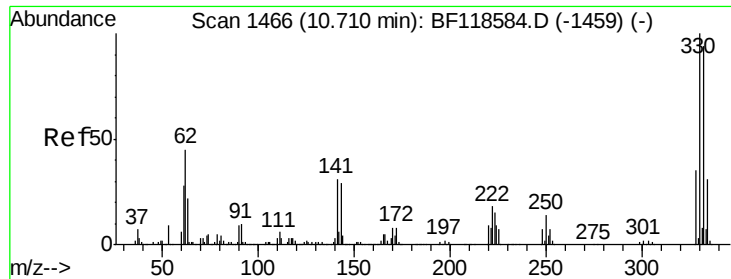
162 102.2 80.8 121.2

160 43.6 35.4 53.0



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

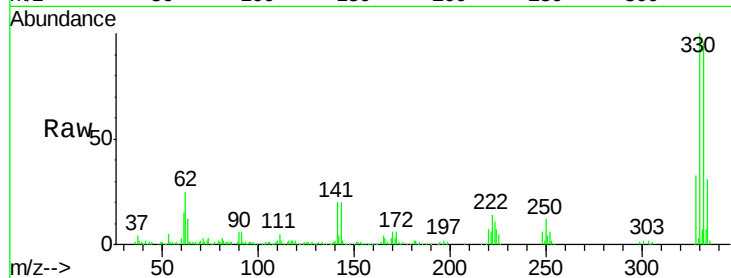




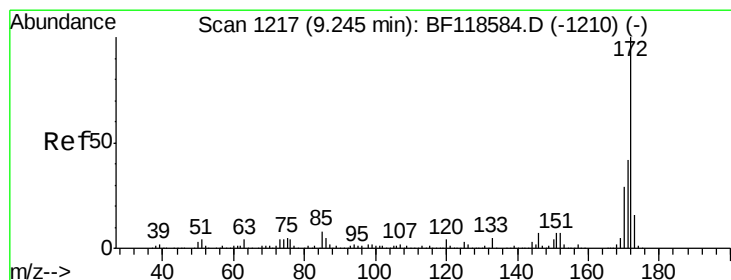
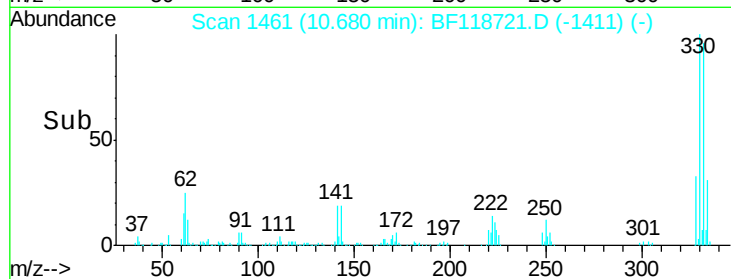
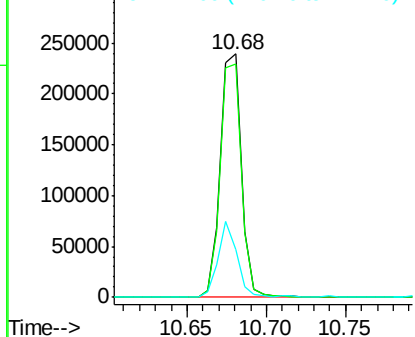
#42
 2,4,6-Tribromophenol
 Concen: 38.454 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF118721.D
 Acq: 27 Jan 2020 16:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 222004
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.6 116.4
 141 26.7 22.2 33.2

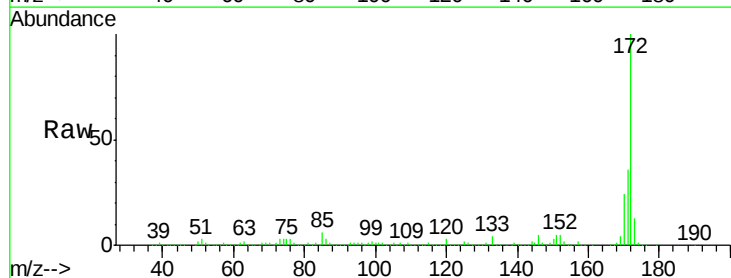


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

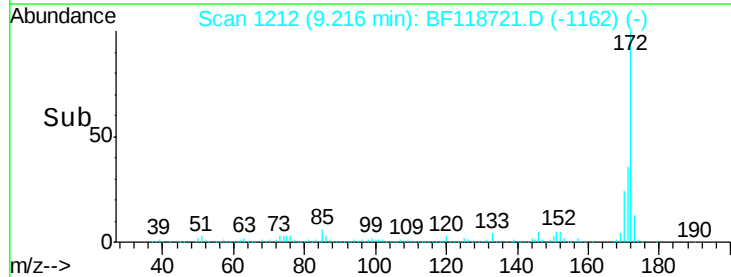
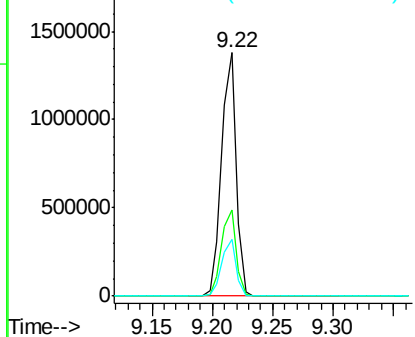


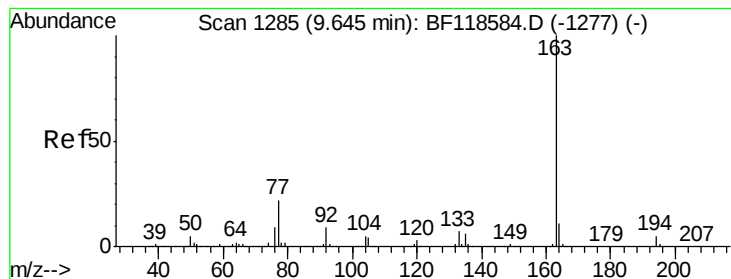
#45
 2-Fluorobiphenyl
 Concen: 37.806 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118721.D
 Acq: 27 Jan 2020 16:14

Tgt Ion:172 Resp: 1148112
 Ion Ratio Lower Upper
 172 100
 171 35.5 31.0 46.4
 170 23.6 20.7 31.1



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: 3.240 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampleId :

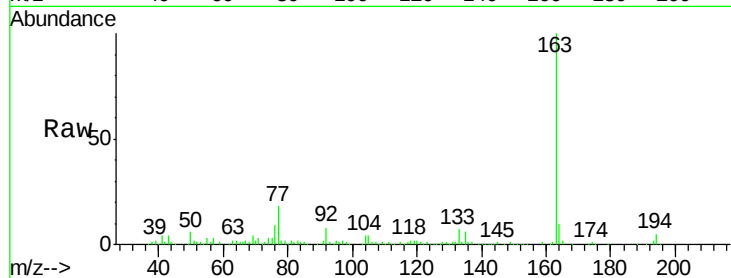
Tot Ion:163 Resp: 105376

Ion Ratio Lower Upper

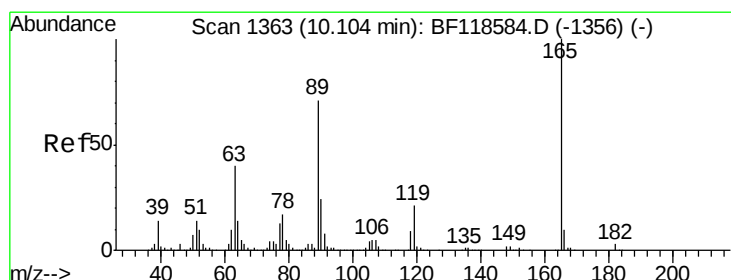
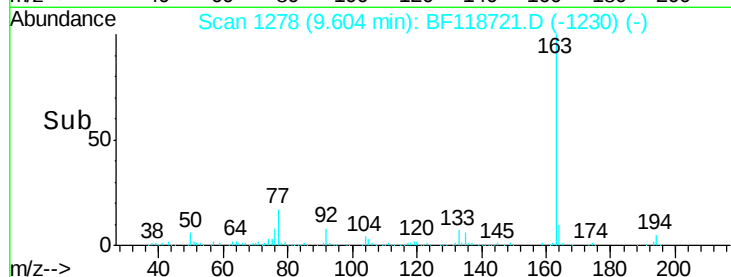
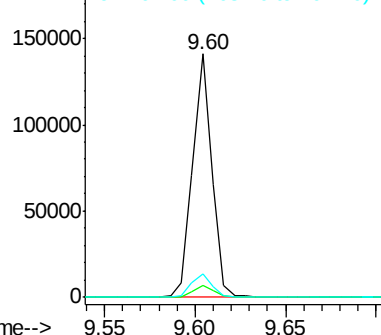
163 100

194 4.6 3.7 5.5

164 9.7 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: 7.317 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Tgt Ion:165 Resp: 67173

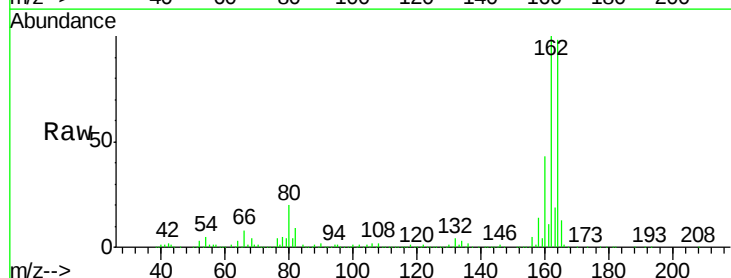
Ion Ratio Lower Upper

165 100

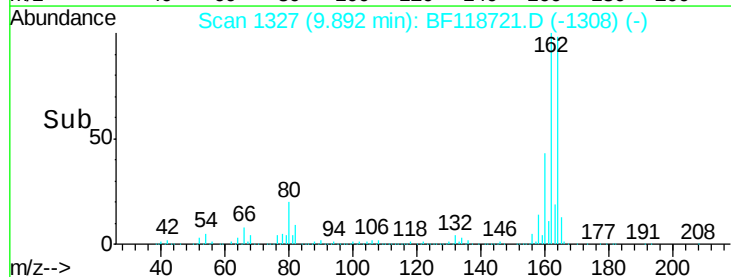
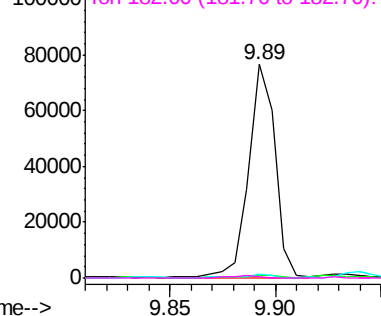
63 1.2 28.5 42.7#

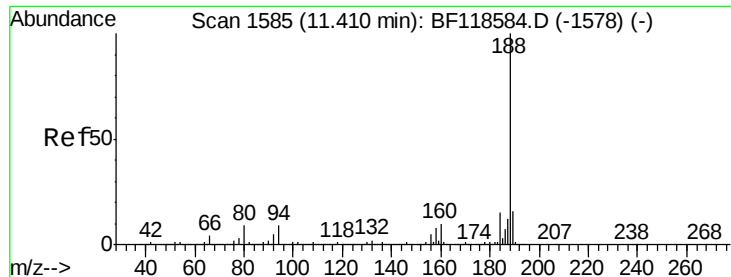
89 1.6 50.4 75.6#

182 0.5 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

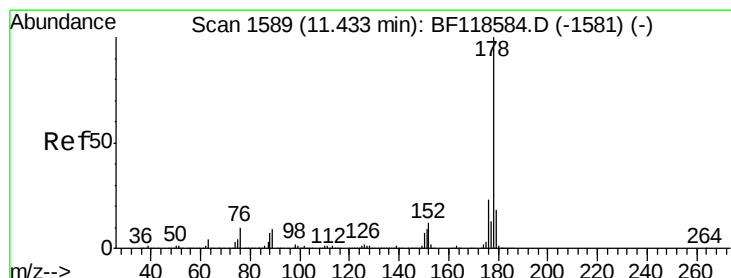
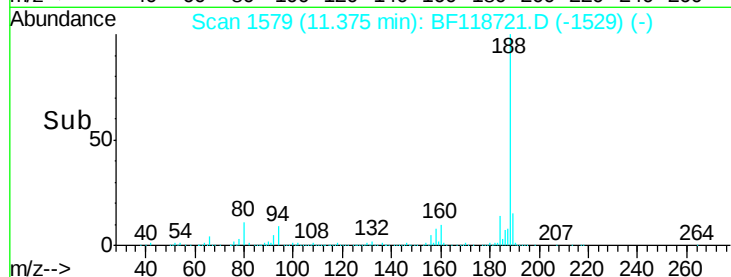
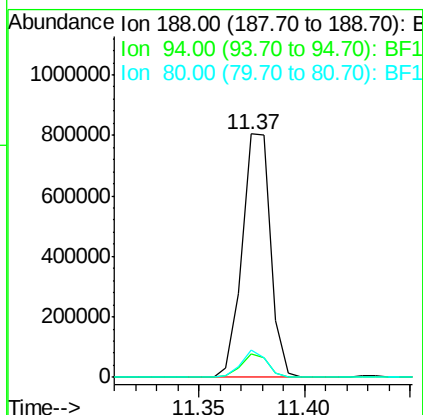
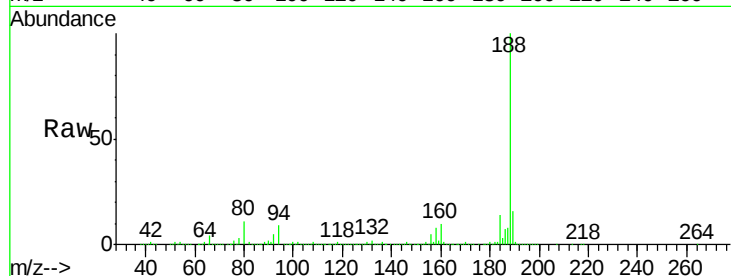




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

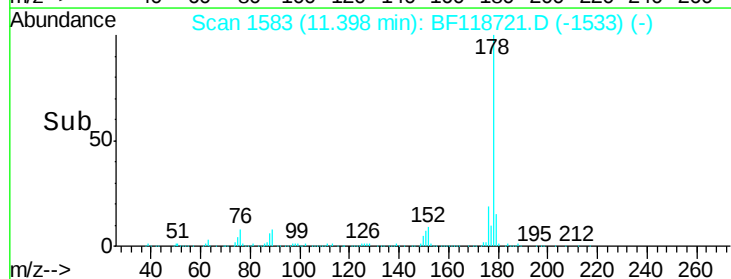
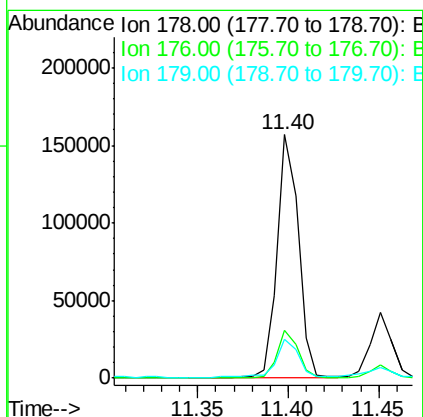
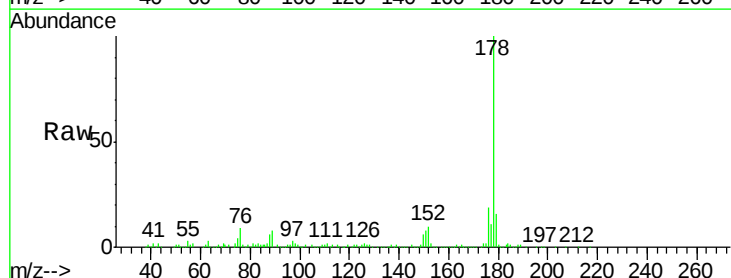
Instrument :
BNA_F
ClientSampled :

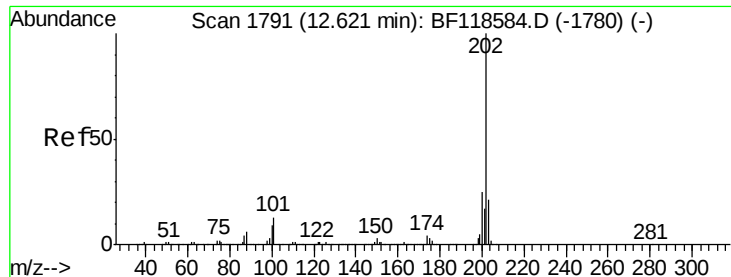
Tot Ion:188 Resp: 750973
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 11.0 7.8 11.8



#71
Phenanthrene
Concen: 3.530 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

Tgt Ion:178 Resp: 127876
Ion Ratio Lower Upper
178 100
176 19.5 16.5 24.7
179 16.0 13.3 19.9





#75

Fluoranthene

Concen: 2.394 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.25 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampled :

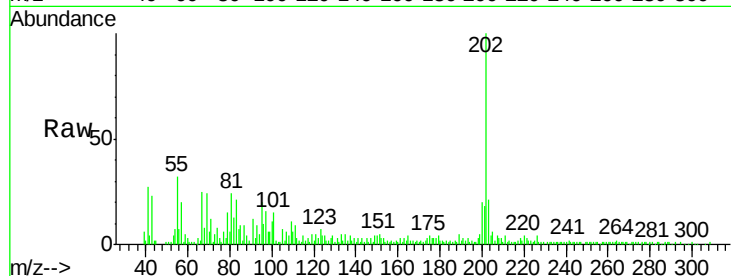
Tot Ion:202 Resp: 91484

Ion Ratio Lower Upper

202 100

101 15.4 0.0 32.1

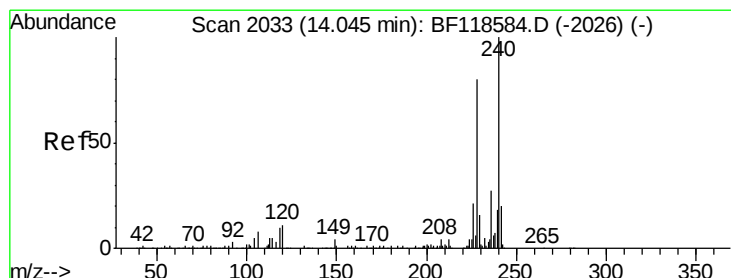
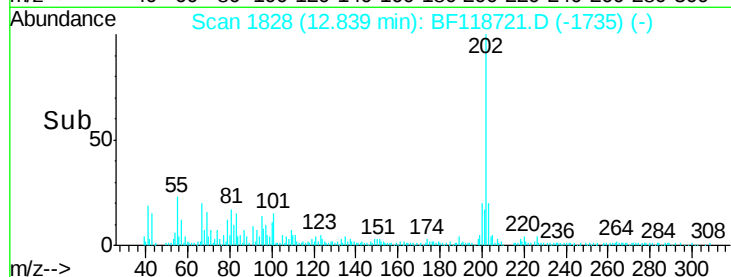
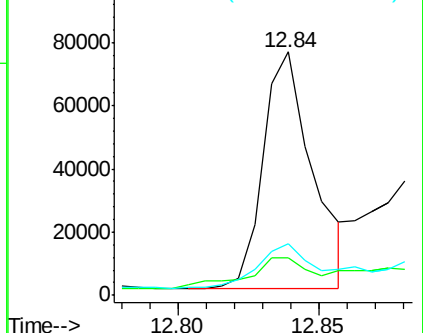
203 21.0 0.0 38.9



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: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

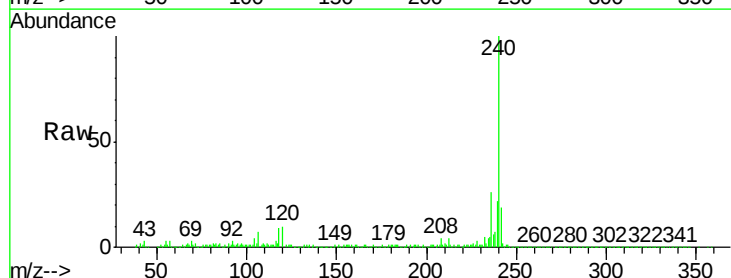
Tgt Ion:240 Resp: 603354

Ion Ratio Lower Upper

240 100

120 10.4 7.6 11.4

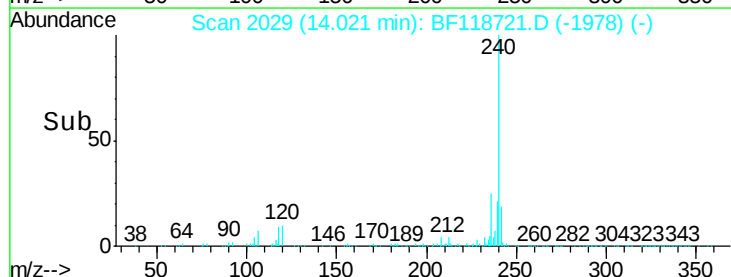
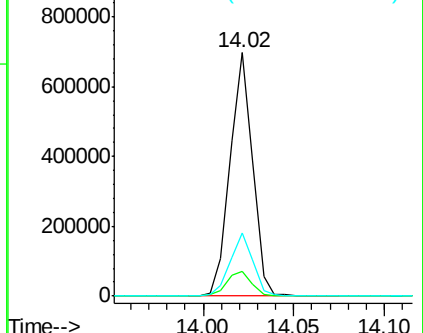
236 25.7 21.0 31.4

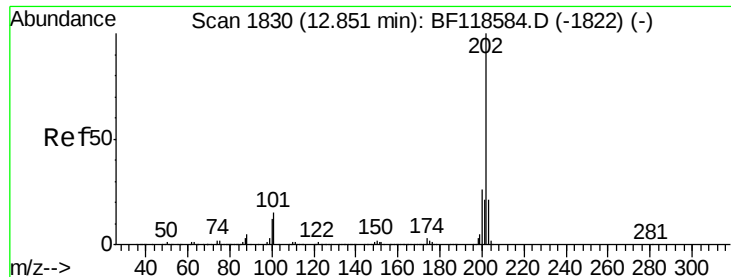


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.235 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.02 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampleId :

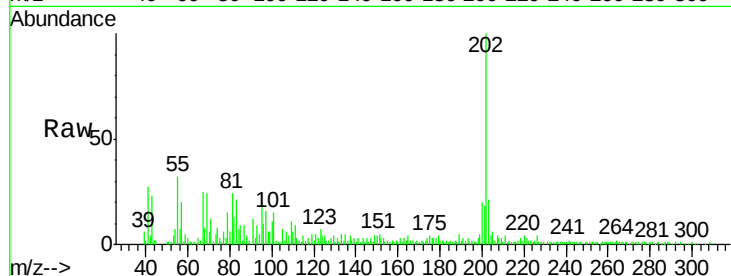
Tot Ion:202 Resp: 91562

Ion Ratio Lower Upper

202 100

200 20.2 18.1 27.1

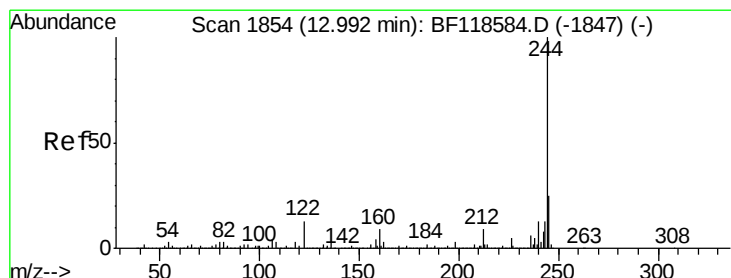
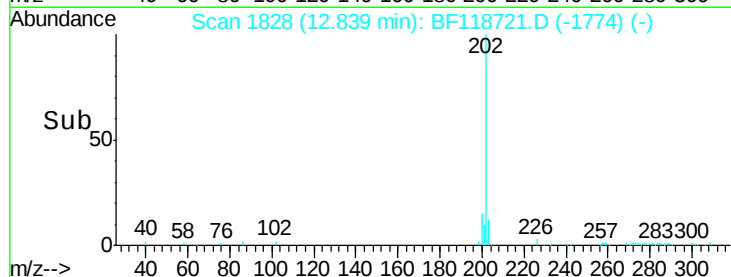
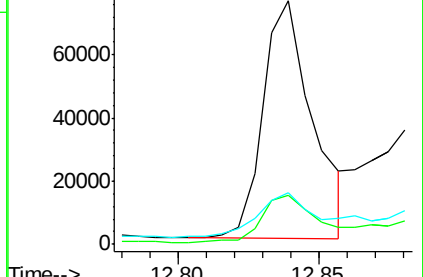
203 21.0 15.2 22.8



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: 36.120 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.02 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

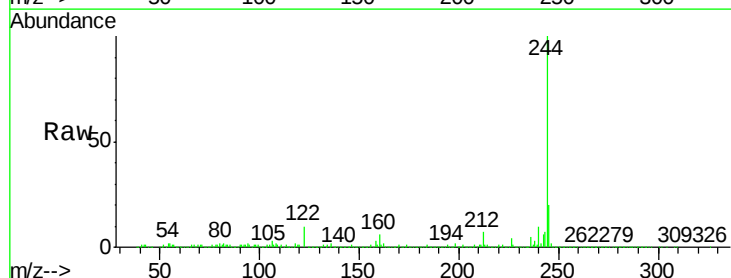
Tgt Ion:244 Resp: 999180

Ion Ratio Lower Upper

244 100

212 6.6 6.3 9.5

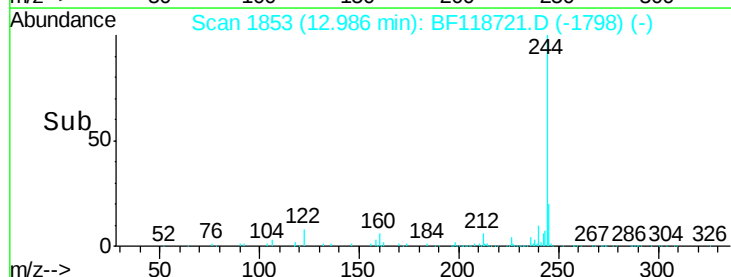
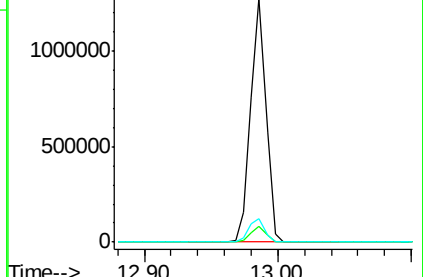
122 9.7 9.2 13.8

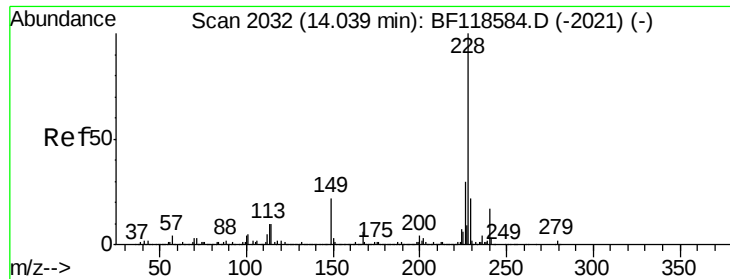


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

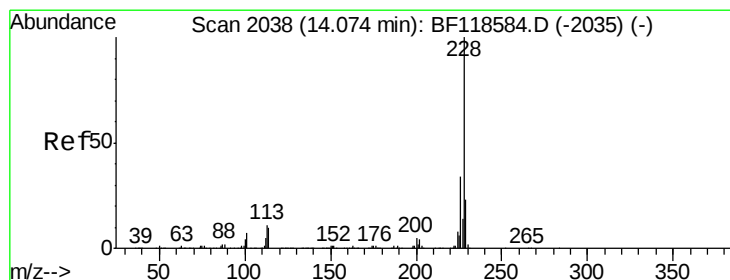
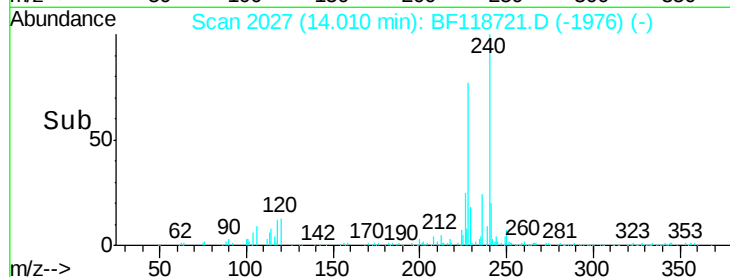
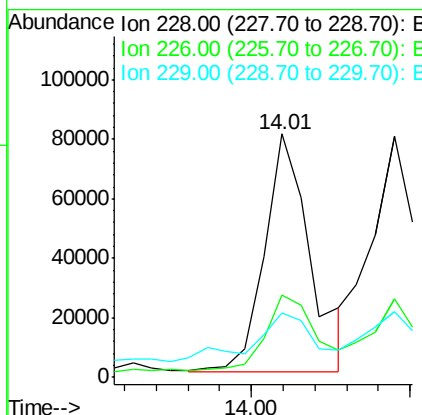
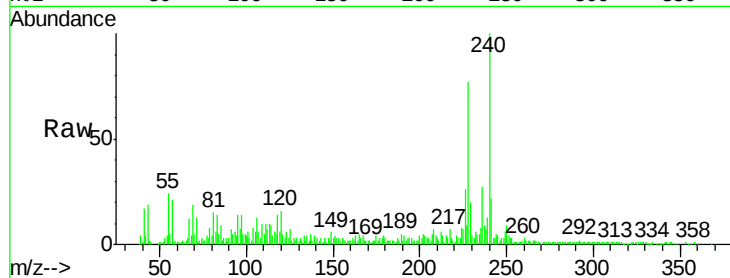




#81
Benzo(a)anthracene
Concen: 2.215 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

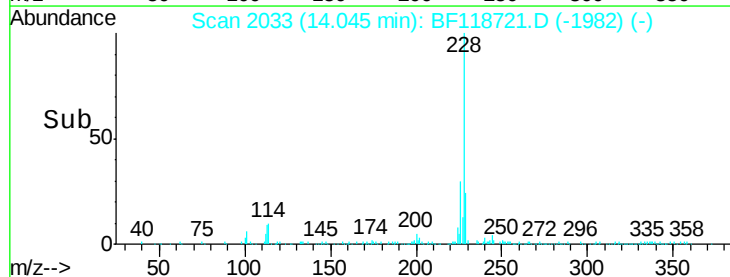
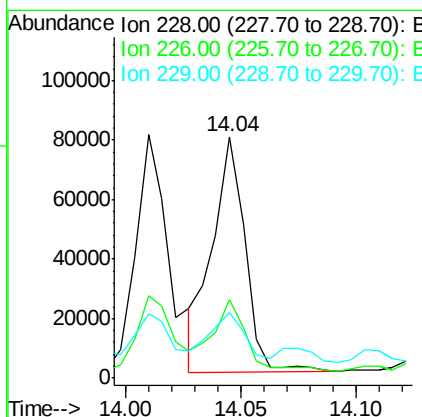
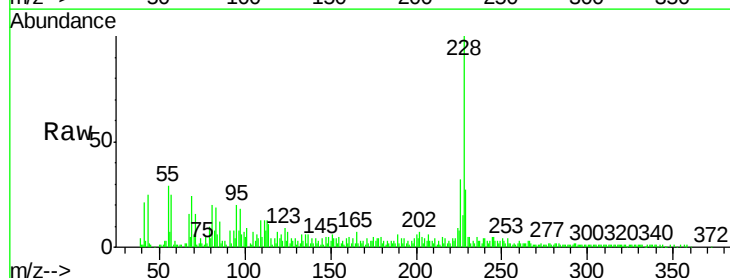
Instrument :
BNA_F
ClientSampled :

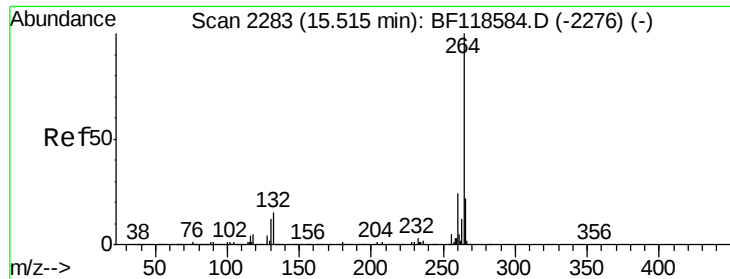
Tot Ion:228 Resp: 80406
Ion Ratio Lower Upper
228 100
226 34.1 22.6 34.0#
229 26.4 16.6 25.0#



#83
Chrysene
Concen: 2.257 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

Tgt Ion:228 Resp: 78494
Ion Ratio Lower Upper
228 100
226 32.3 25.6 38.4
229 27.1 17.1 25.7#

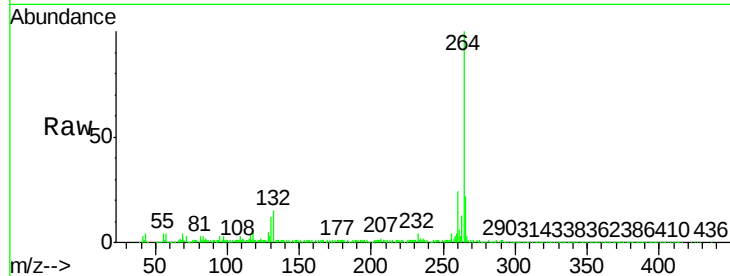




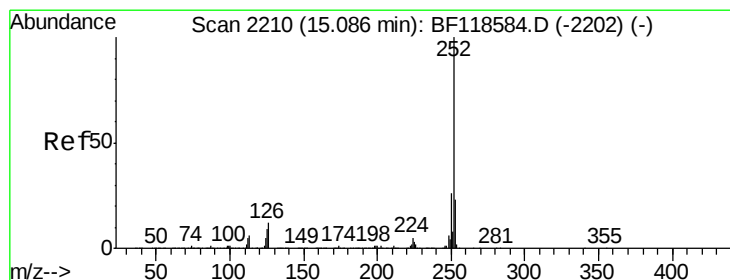
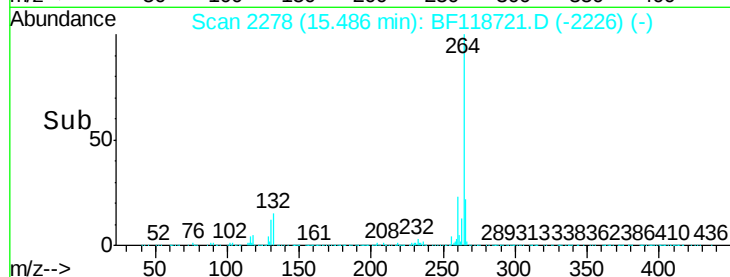
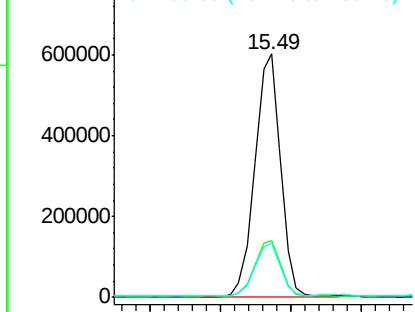
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	22.4	17.0	25.6

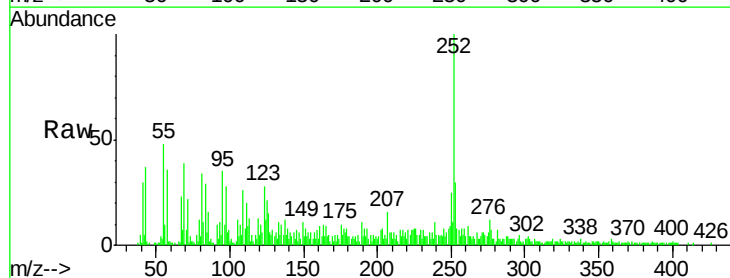


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

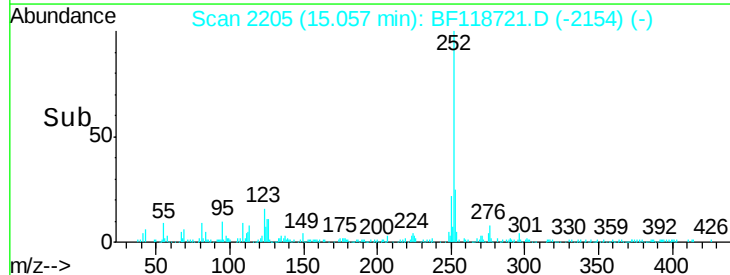
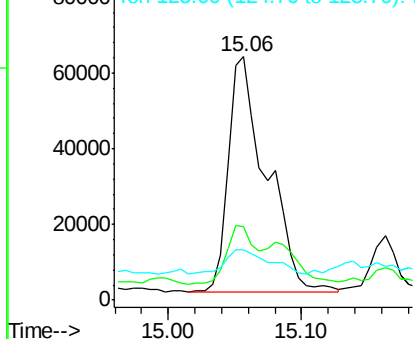


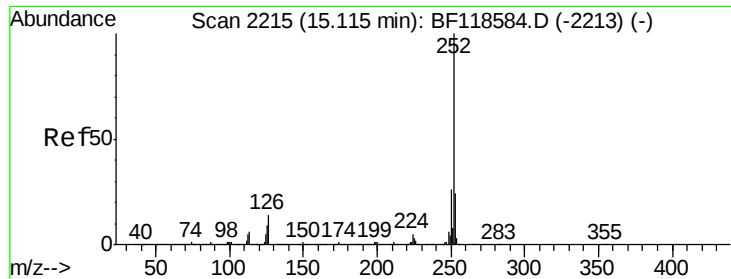
#88
Benzo(b)fluoranthene
Concen: 2.531 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF118721.D
Acq: 27 Jan 2020 16:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.2	27.4#
125	20.9	7.7	11.5#



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: 2.732 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.03 min

Lab File: BF118721.D

Acq: 27 Jan 2020 16:14

Instrument :

BNA_F

ClientSampleId :

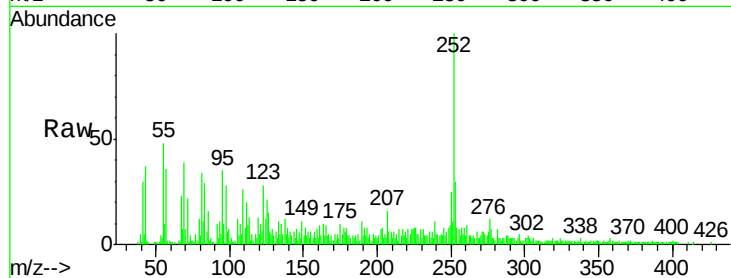
Tot Ion:252 Resp: 122597

Ion Ratio Lower Upper

252 100

253 30.3 18.4 27.6#

125 20.9 8.1 12.1#



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

