

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111770.D
 Acq On : 27 Dec 2018 18:46
 Operator : JU/SJ
 Sample : J6426-18 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS019-1824-01

Quant Time: Dec 28 07:06:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

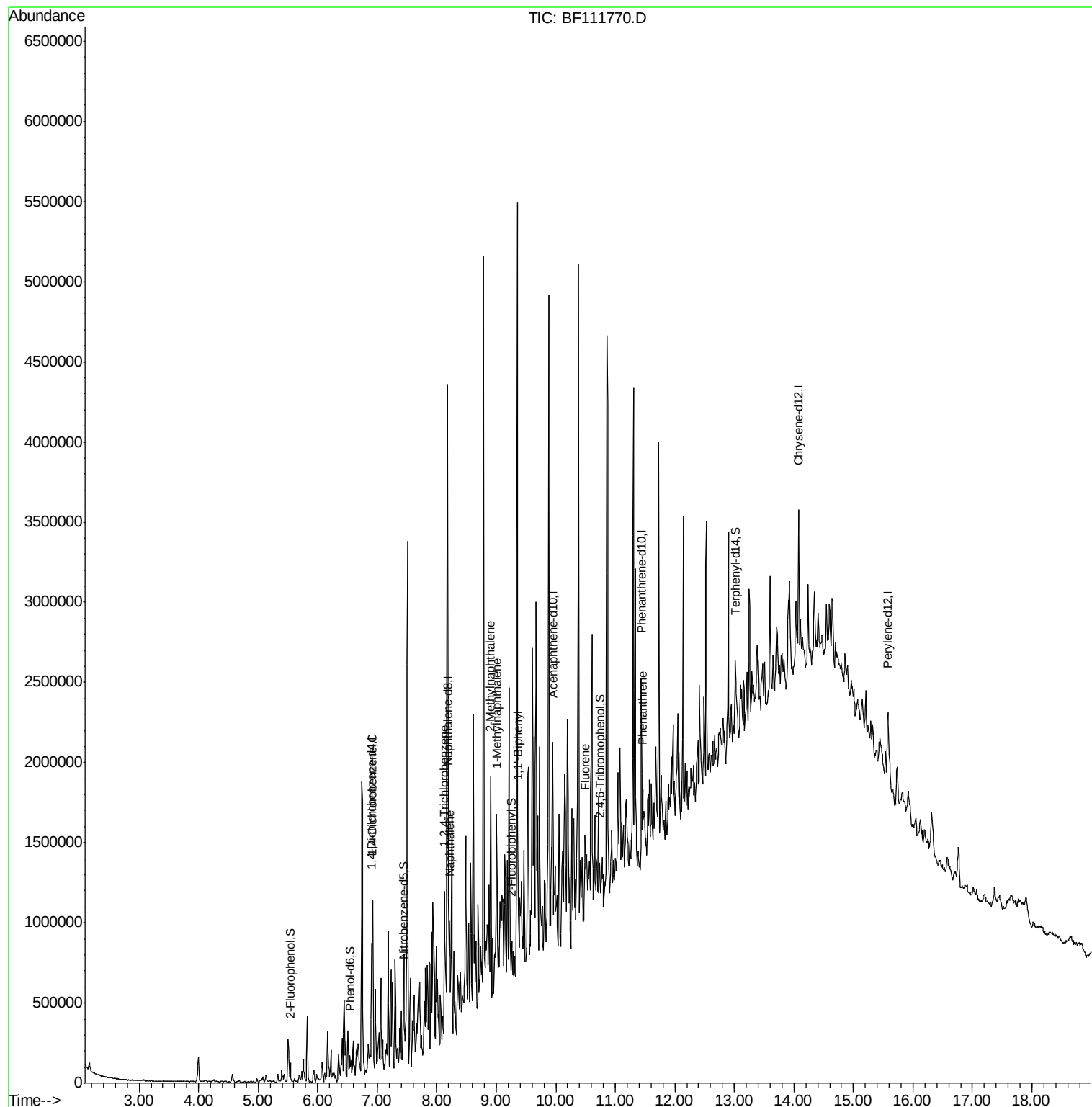
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	122147	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	421364	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	192523	20.00	ng	0.02
64) Phenanthrene-d10	11.44	188	341666	20.00	ng	0.02
76) Chrysene-d12	14.08	240	265774	20.00	ng	0.03
87) Perylene-d12	15.58	264	210180	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	28264	3.94	ng	0.02
7) Phenol-d6	6.55	99	34137	3.74	ng	0.02
23) Nitrobenzene-d5	7.46	82	27886	3.85	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	8158	3.59	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	42420	3.21	ng	0.00
79) Terphenyl-d14	13.02	244	43877	3.13	ng	0.02
Target Compounds						
13) 1,4-Dichlorobenzene	6.93	146	107419	11.514	ng	98
30) 1,2,4-Trichlorobenzene	8.13	180	103495	14.235	ng	95
31) Naphthalene	8.22	128	139602	6.895	ng	97
37) 2-Methylnaphthalene	8.90	142	367197	27.877	ng	97
38) 1-Methylnaphthalene	9.00	142	250244	19.781	ng	# 98
46) 1,1'-Biphenyl	9.37	154	47757	2.939	ng	98
58) Fluorene	10.50	166	50833	4.027	ng	# 89
71) Phenanthrene	11.46	178	151766	8.376	ng	93

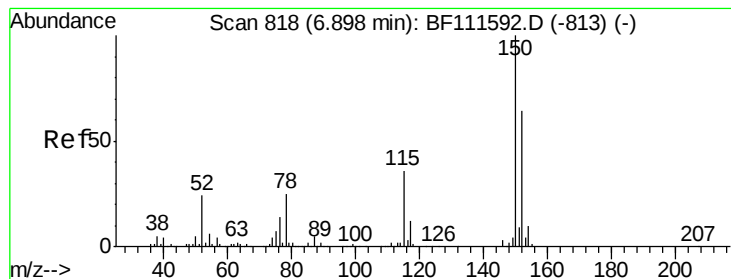
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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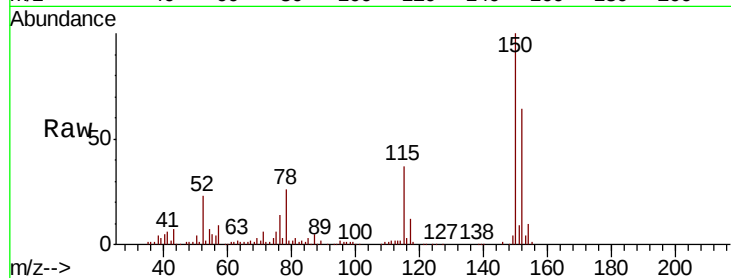


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	57.9	50.7	76.1

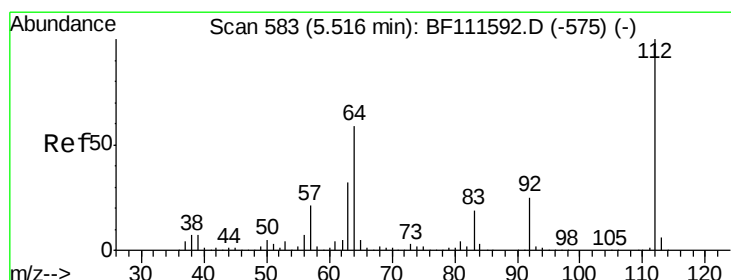
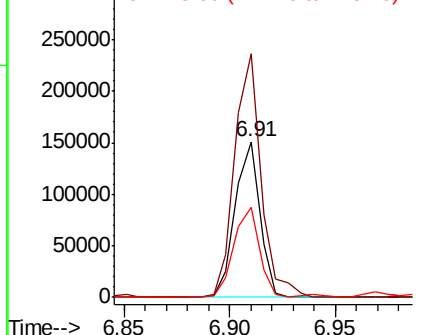
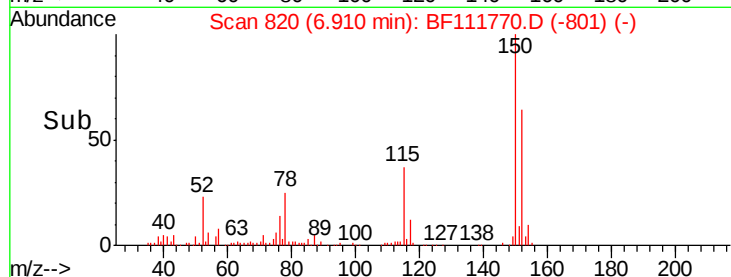


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

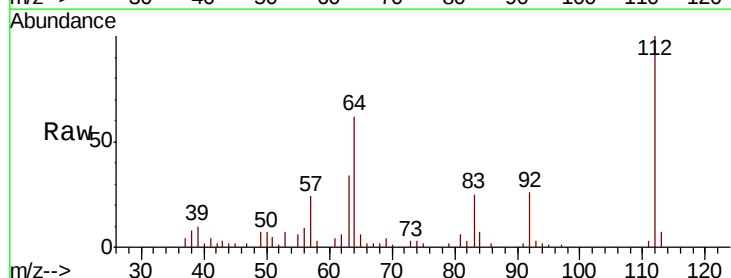
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.944 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	51.8	77.6
63	34.4	26.8	40.2

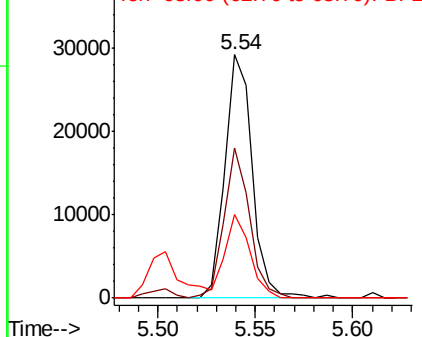
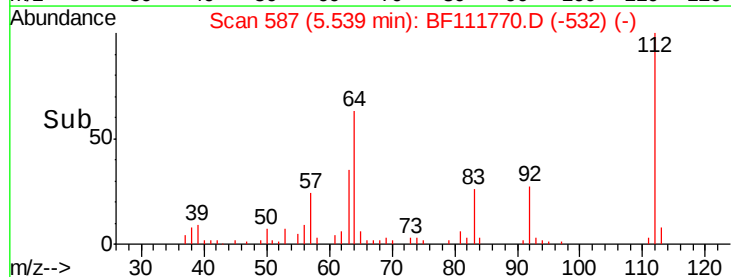


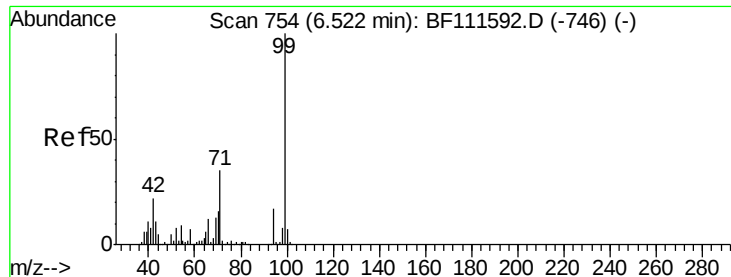
Abundance

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: 3.743 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

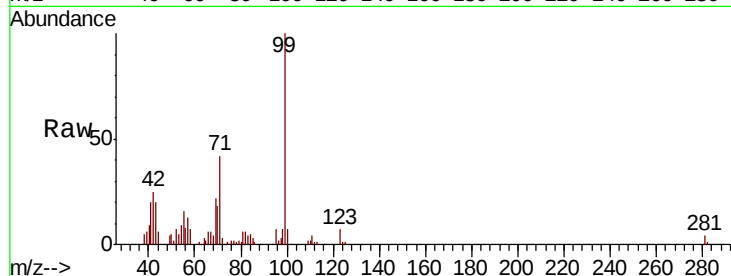
Tot Ion: 99 Resp: 34137

Ion Ratio Lower Upper

99 100

42 24.7 17.4 26.0

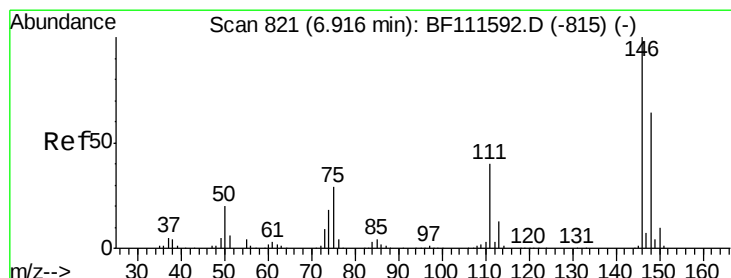
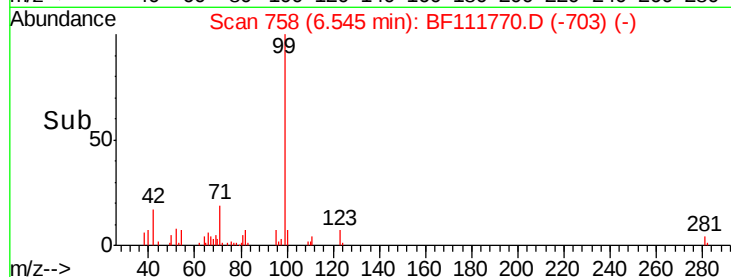
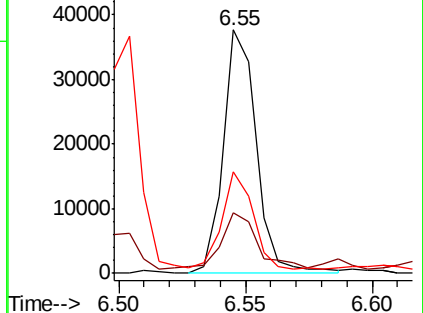
71 41.6 26.1 39.1#



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



#13

1,4-Dichlorobenzene

Concen: 11.514 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

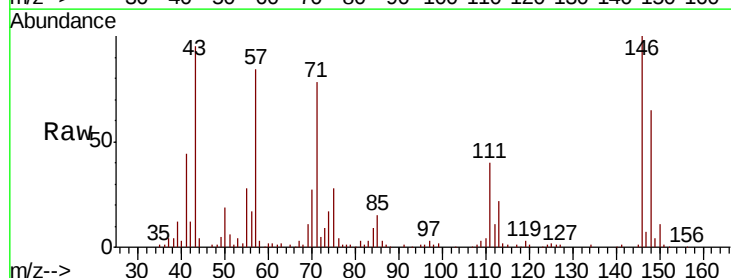
Tgt Ion: 146 Resp: 107419

Ion Ratio Lower Upper

146 100

148 64.7 52.8 79.2

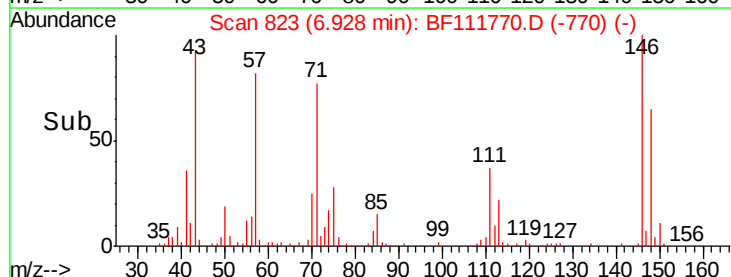
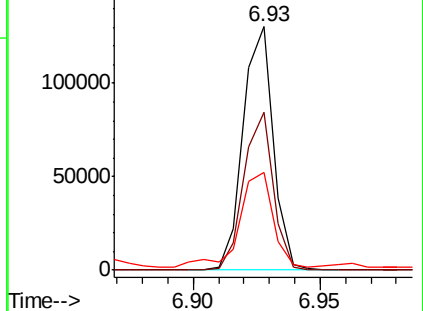
111 40.4 33.4 50.0

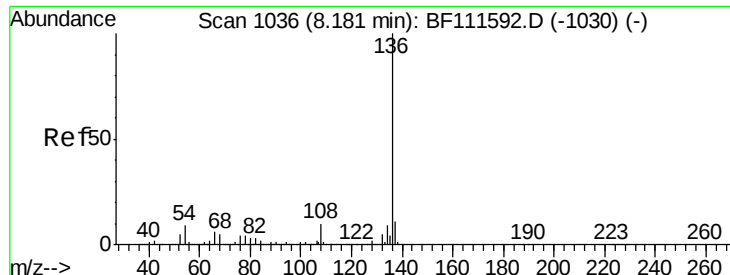


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

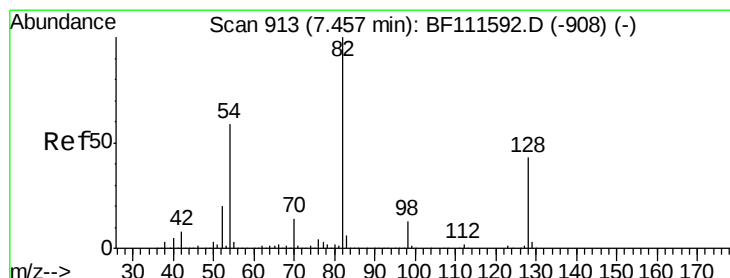
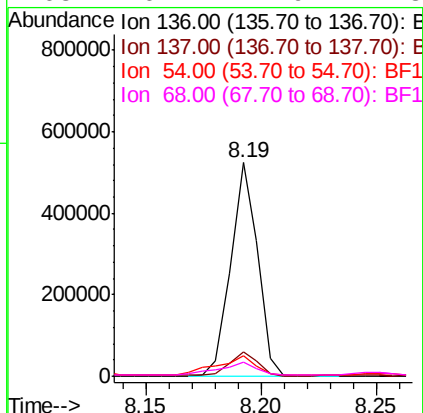
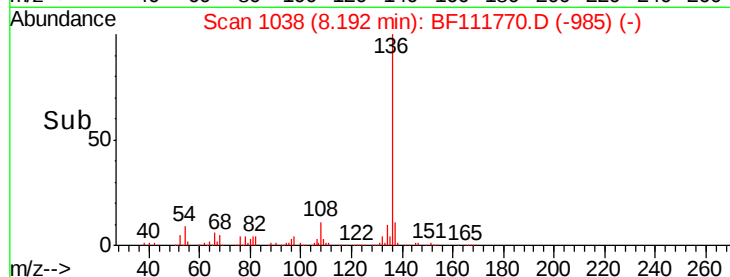
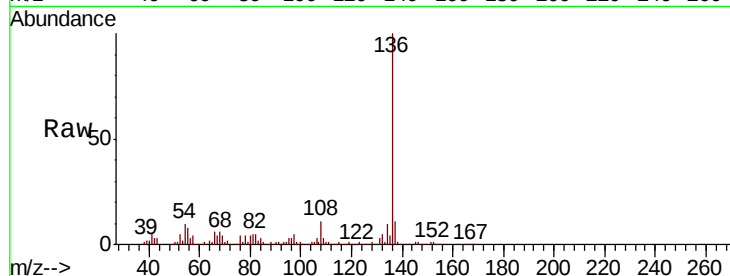




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

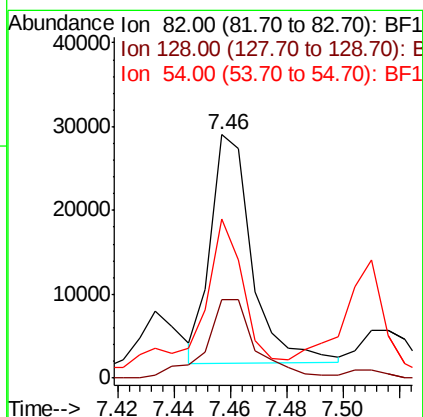
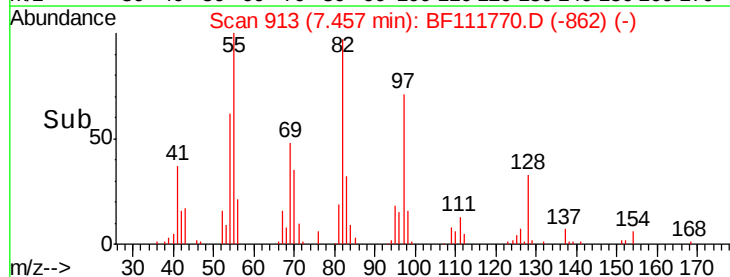
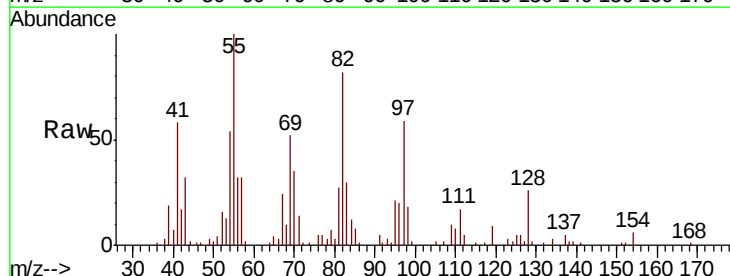
Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

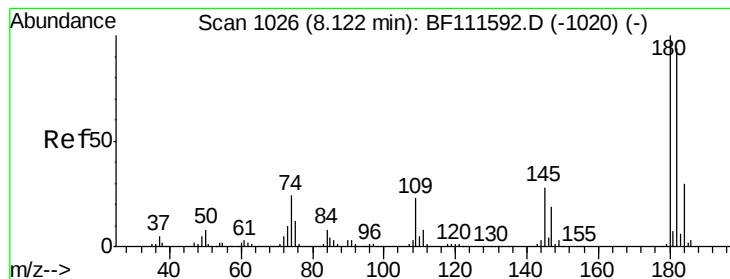
Tot Ion:136	Resp:	421364
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	9.8	7.7 11.5
68	6.4	4.9 7.3



#23
Nitrobenzene-d5
Concen: 3.852 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion: 82	Resp:	27886
Ion Ratio	Lower	Upper
82	100	
128	32.1	37.4 56.2#
54	65.3	47.6 71.4





#30

1,2,4-Trichlorobenzene

Concen: 14.235 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

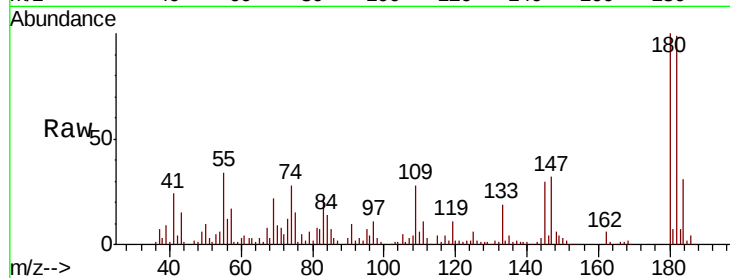
Tot Ion:180 Resp: 103495

Ion Ratio Lower Upper

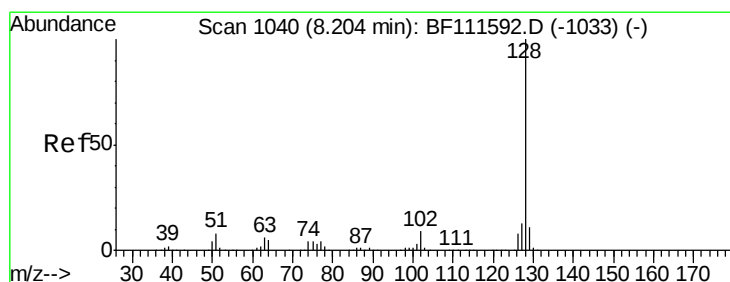
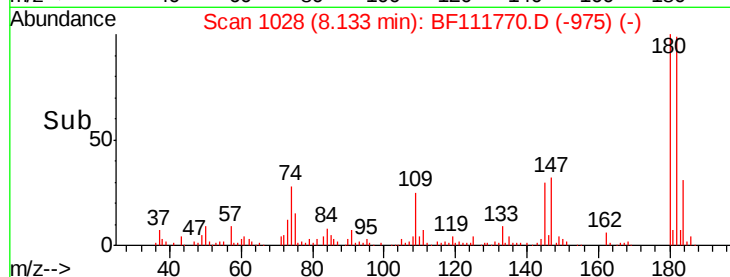
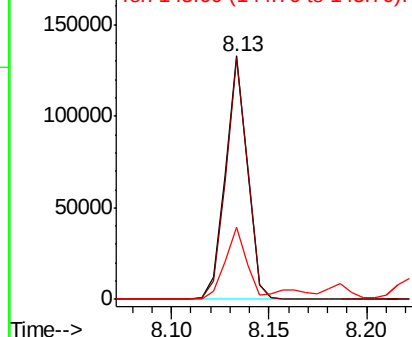
180 100

182 98.9 75.6 113.4

145 29.5 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 6.895 ng

RT: 8.22 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

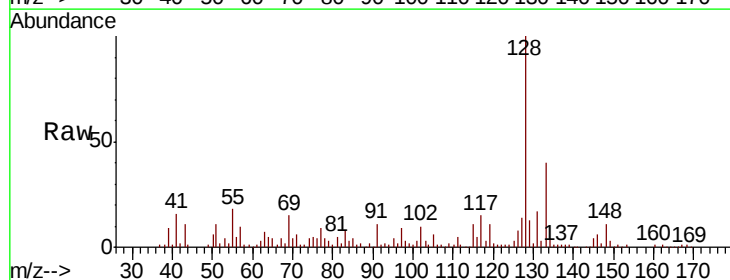
Tgt Ion:128 Resp: 139602

Ion Ratio Lower Upper

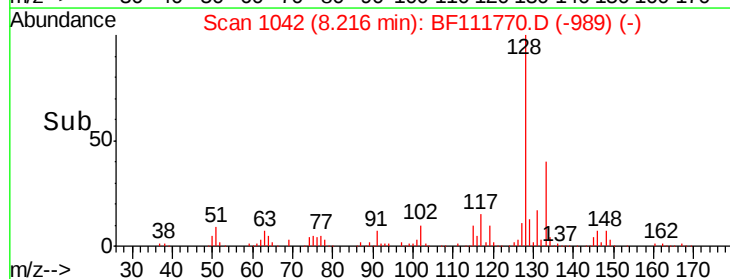
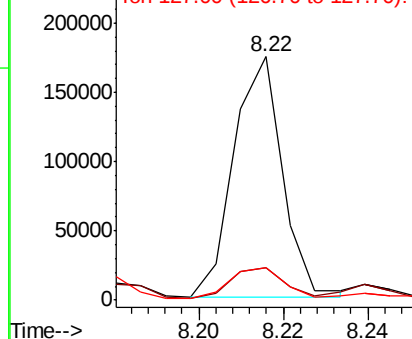
128 100

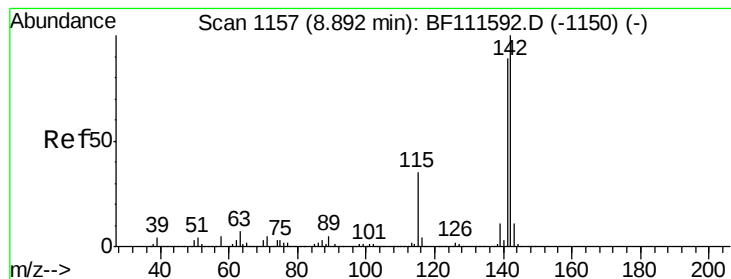
129 13.3 9.8 14.8

127 13.5 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 27.877 ng

RT: 8.90 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

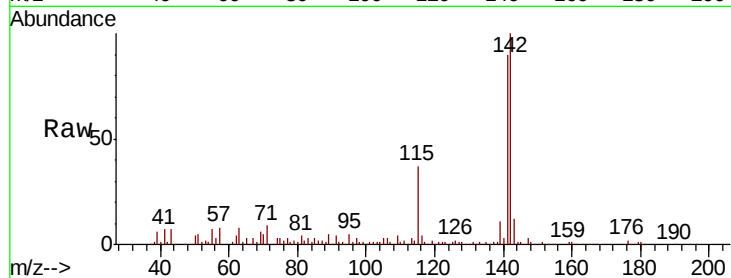
Tot Ion:142 Resp: 367197

Ion Ratio Lower Upper

142 100

141 90.0 70.6 105.8

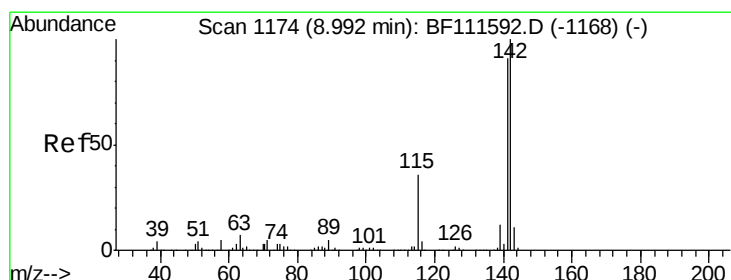
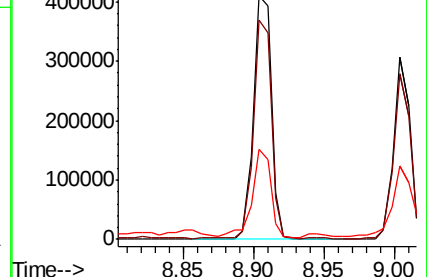
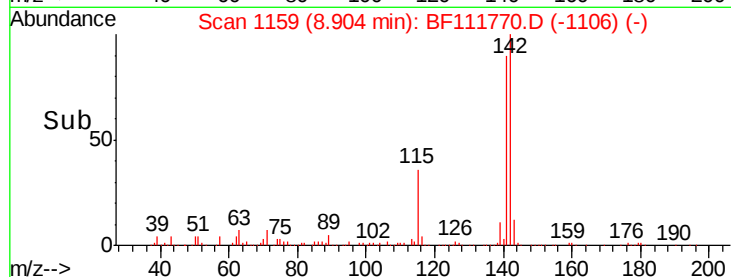
115 36.8 27.0 40.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 19.781 ng

RT: 9.00 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

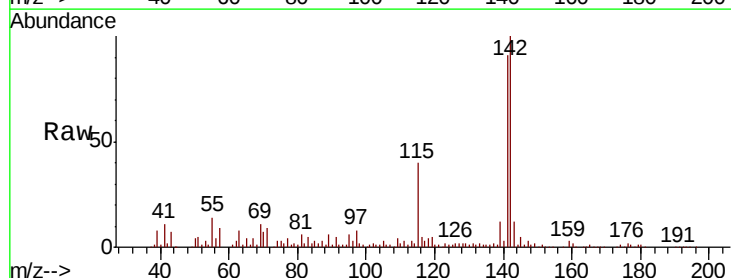
Tgt Ion:142 Resp: 250244

Ion Ratio Lower Upper

142 100

141 91.0 74.2 111.4

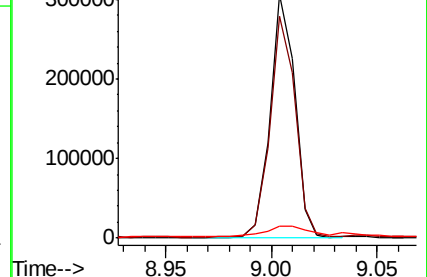
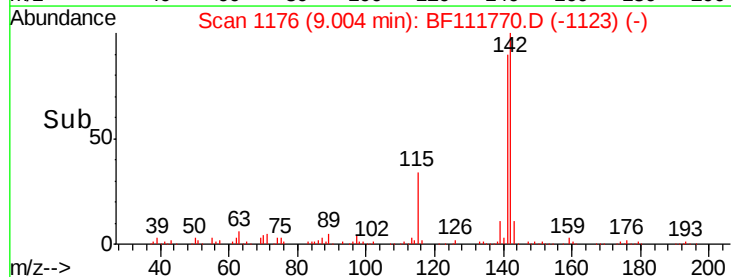
116 4.7 2.9 4.3#

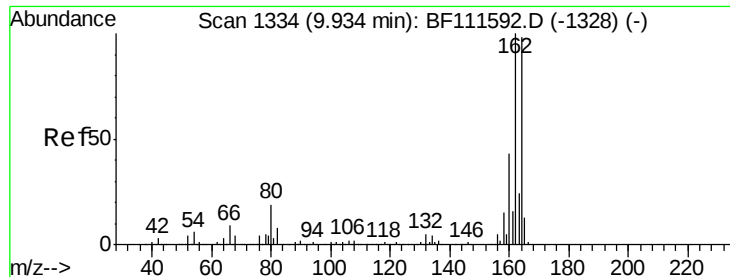


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

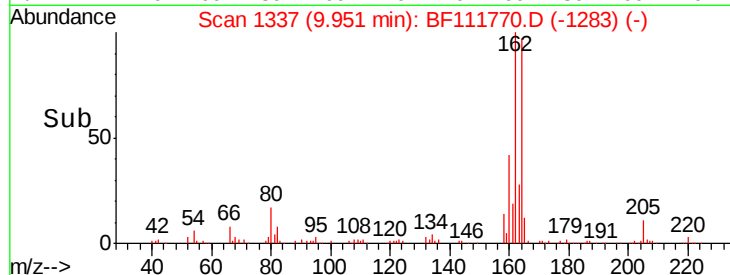
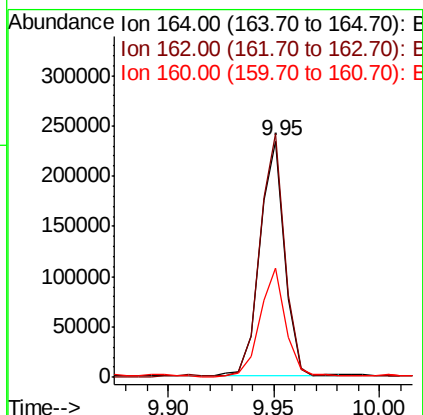
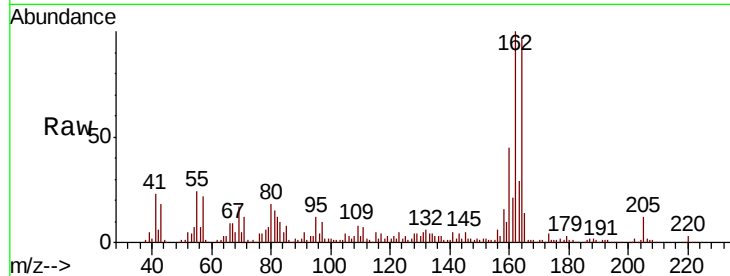




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

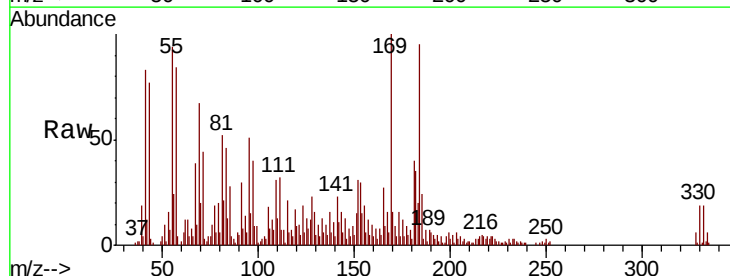
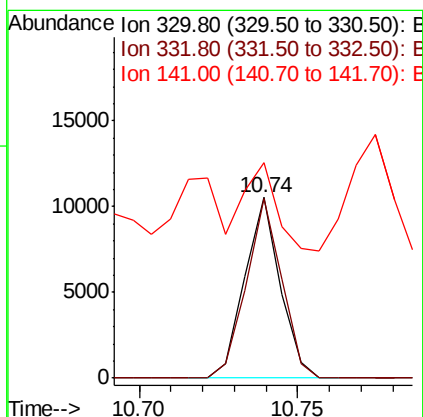
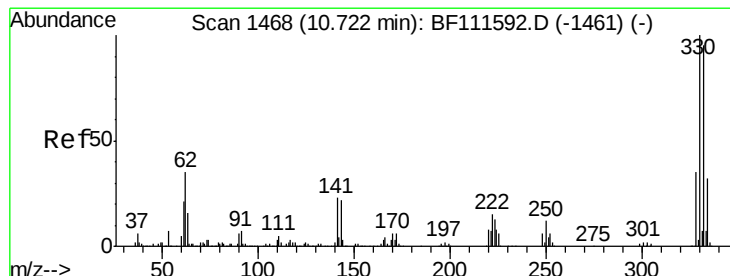
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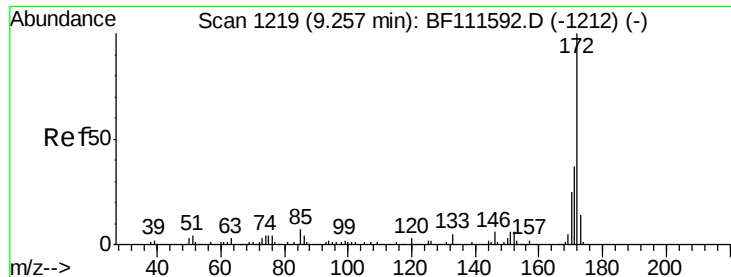
Tot Ion:164 Resp: 192523
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 46.1 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 3.586 ng
RT: 10.74 min Scan# 1471
Delta R.T. 0.02 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion:330 Resp: 8158
Ion Ratio Lower Upper
330 100
332 99.5 76.0 114.0
141 45.1 31.0 46.6

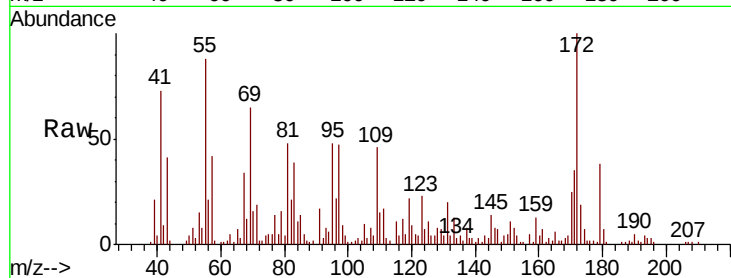




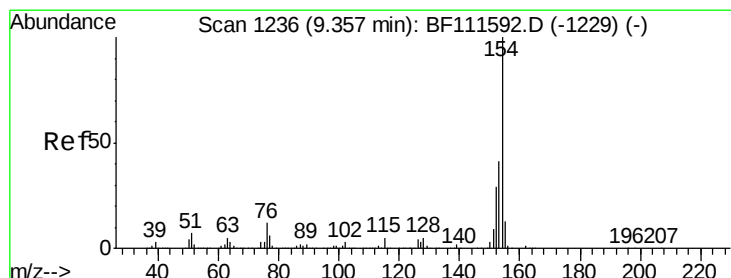
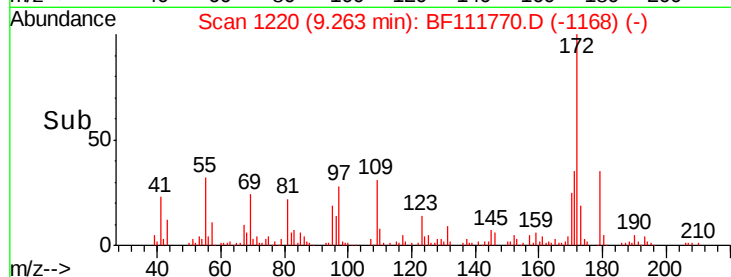
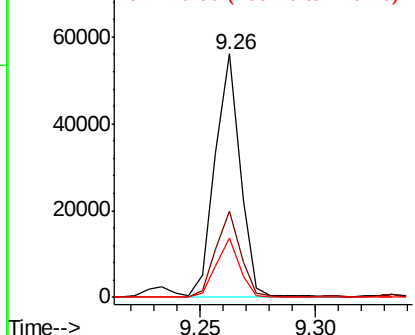
#45
2-Fluorobiphenyl
Concen: 3.212 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Instrument :
BNA_F
ClientSampleId :
P001-SS019-1824-01

Tot Ion:172 Resp: 42420
Ion Ratio Lower Upper
172 100
171 35.5 33.0 49.4
170 24.5 22.3 33.5

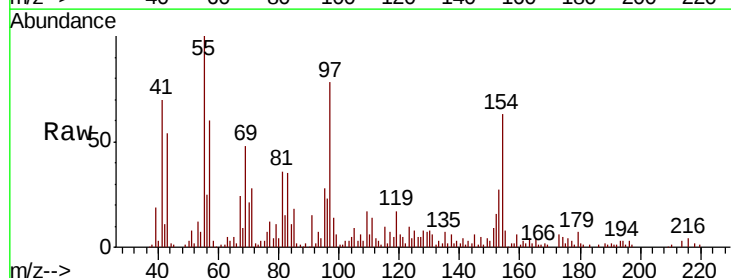


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

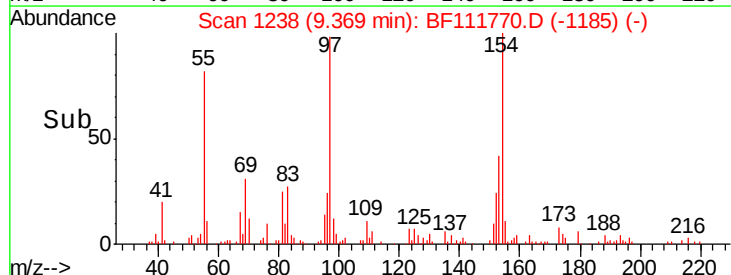
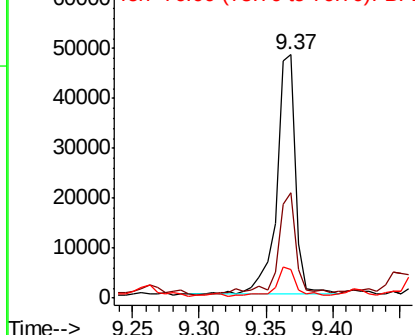


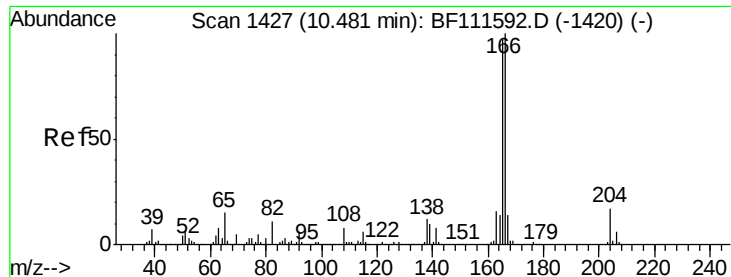
#46
1,1'-Biphenyl
Concen: 2.939 ng
RT: 9.37 min Scan# 1238
Delta R.T. 0.01 min
Lab File: BF111770.D
Acq: 27 Dec 2018 18:46

Tgt Ion:154 Resp: 47757
Ion Ratio Lower Upper
154 100
153 43.3 23.7 63.7
76 11.8 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#58

Fluorene

Concen: 4.027 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

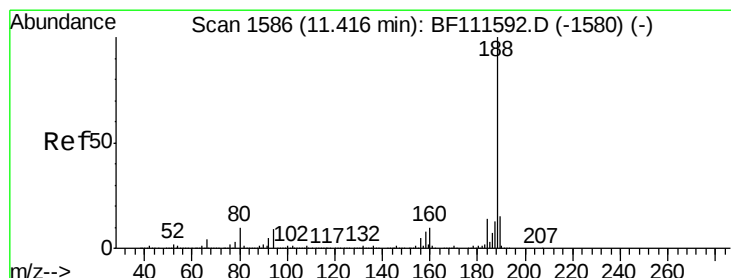
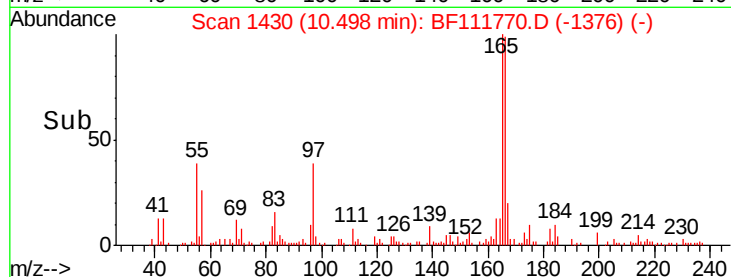
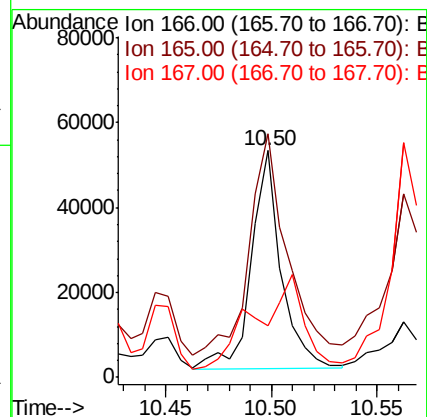
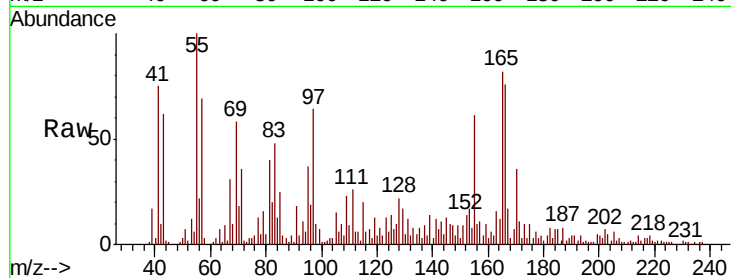
Tot Ion:166 Resp: 50833

Ion Ratio Lower Upper

166 100

165 107.5 78.4 117.6

167 22.7 11.2 16.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

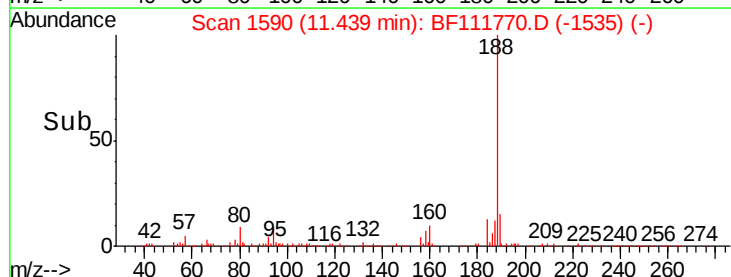
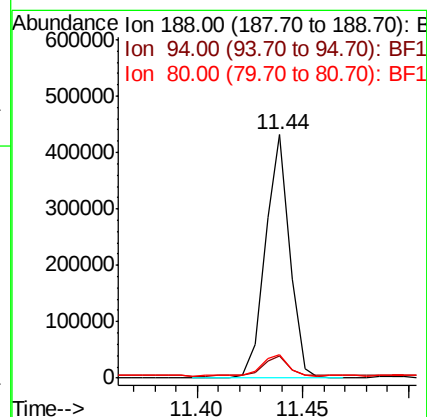
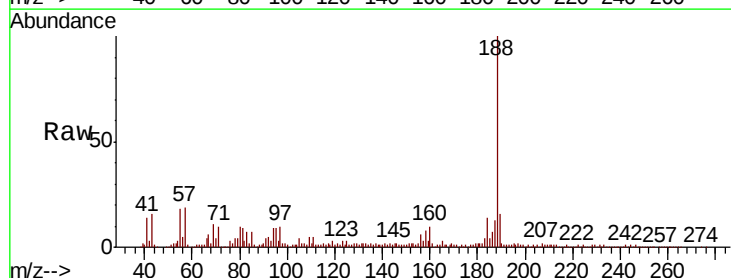
Tgt Ion:188 Resp: 341666

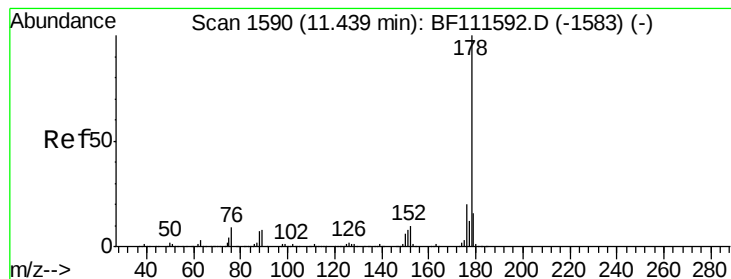
Ion Ratio Lower Upper

188 100

94 9.0 9.6 14.4#

80 9.7 9.8 14.6#





#71

Phenanthrene

Concen: 8.376 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

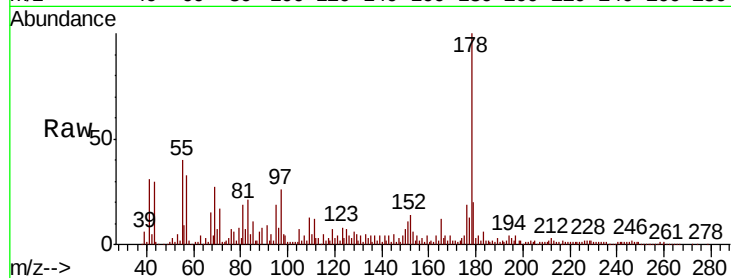
Tot Ion:178 Resp: 151766

Ion Ratio Lower Upper

178 100

176 19.1 18.1 27.1

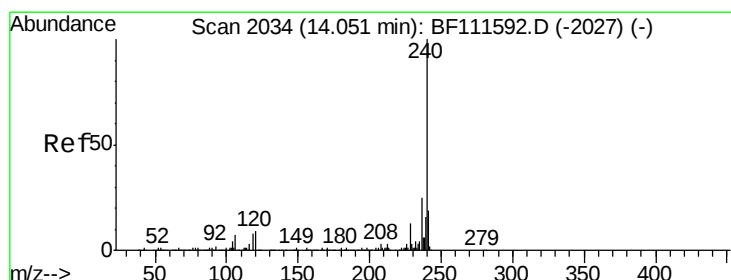
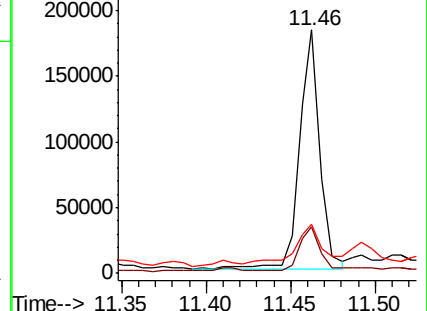
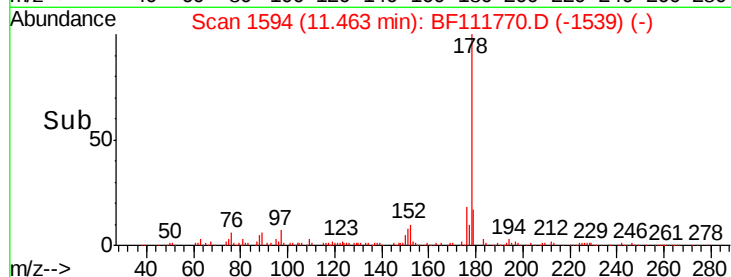
179 20.3 14.0 21.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

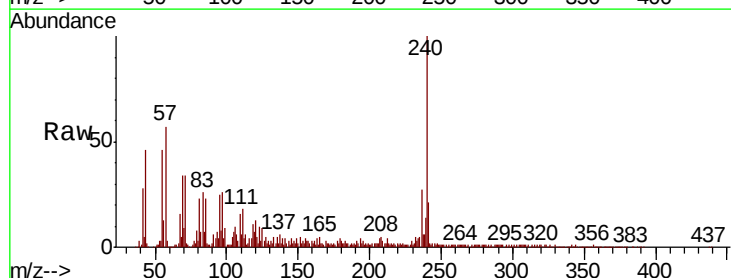
Tgt Ion:240 Resp: 265774

Ion Ratio Lower Upper

240 100

120 12.7 12.2 18.2

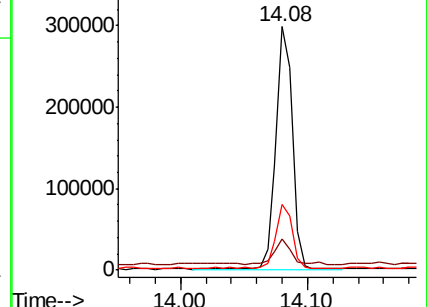
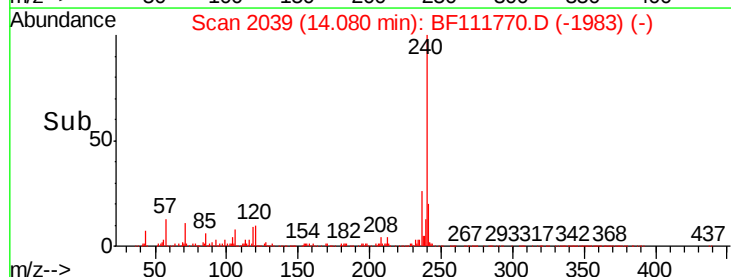
236 26.7 20.2 30.2

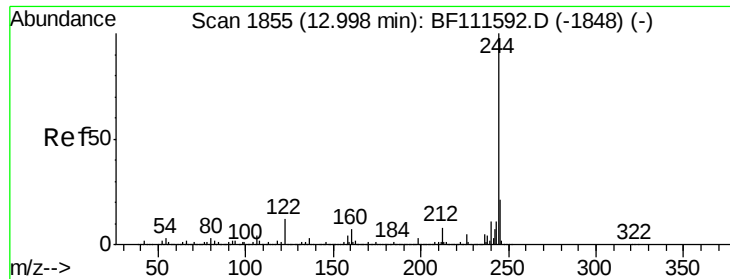


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 3.131 ng

RT: 13.02 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

Instrument :

BNA_F

ClientSampleId :

P001-SS019-1824-01

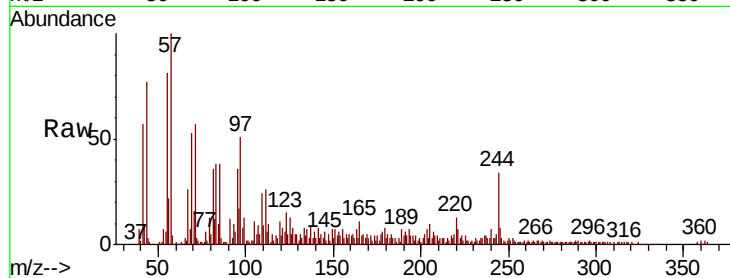
Tot Ion:244 Resp: 43877

Ion Ratio Lower Upper

244 100

212 9.2 5.7 8.5#

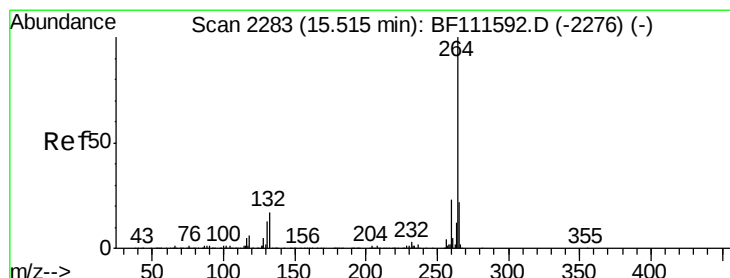
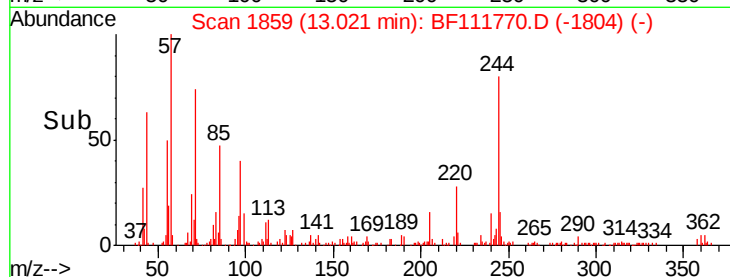
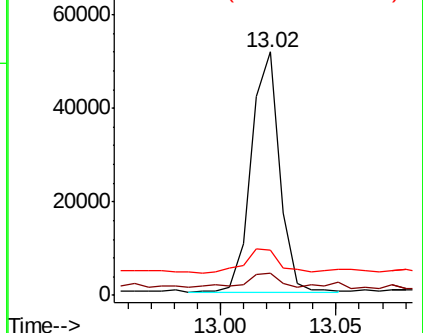
122 18.7 13.1 19.7



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

Perylene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.06 min

Lab File: BF111770.D

Acq: 27 Dec 2018 18:46

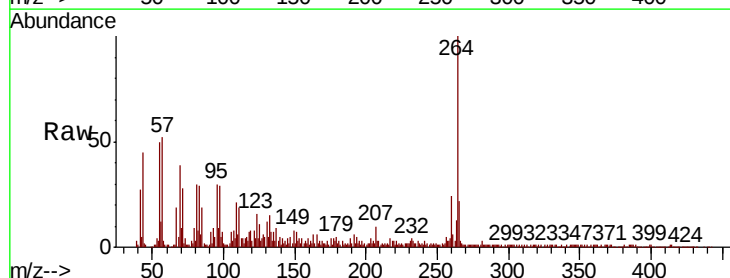
Tgt Ion:264 Resp: 210180

Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 22.4 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

