

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111630.D
 Acq On : 20 Dec 2018 10:58
 Operator : JU/SJ
 Sample : J6469-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1

Quant Time: Dec 20 13:49:31 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

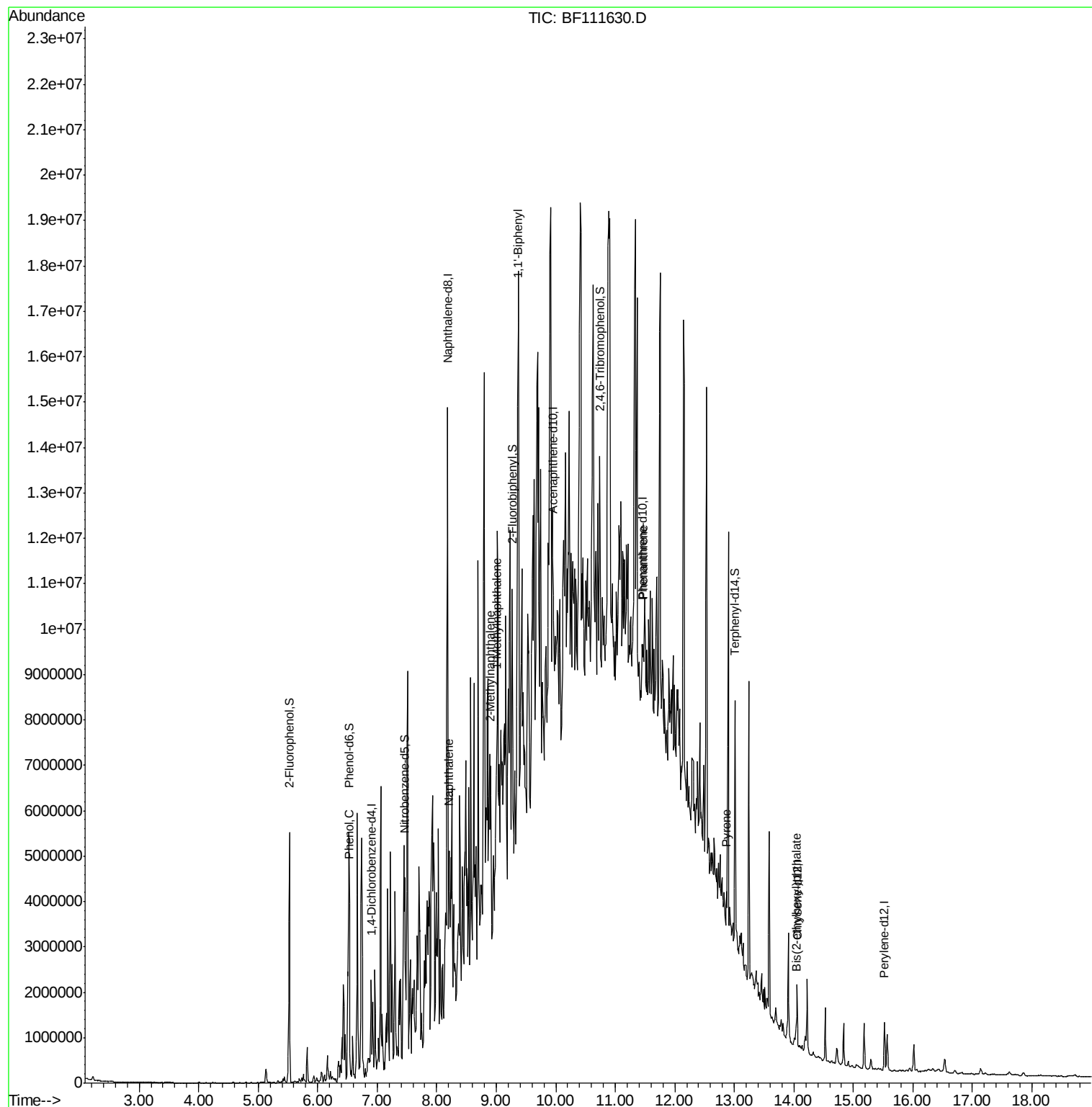
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	212234	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	544439	20.00	ng	0.00
39) Acenaphthene-d10	9.96	164	300673	20.00	ng	0.02
64) Phenanthrene-d10	11.45	188	481304	20.00	ng	0.03
76) Chrysene-d12	14.05	240	497708	20.00	ng	0.00
87) Perylene-d12	15.52	264	515995	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1611056	129.39	ng	0.01
7) Phenol-d6	6.53	99	2094158	132.16	ng	0.00
23) Nitrobenzene-d5	7.46	82	1326026	141.77	ng	0.00
42) 2,4,6-Tribromophenol	10.75	330	455112	128.10	ng	0.02
45) 2-Fluorobiphenyl	9.27	172	2029806	98.40	ng	0.01
79) Terphenyl-d14	13.01	244	1829233	69.70	ng	0.01
Target Compounds						
10) Phenol	6.54	94	80013	4.475	ng	98
31) Naphthalene	8.20	128	266886	10.202	ng	# 88
37) 2-Methylnaphthalene	8.90	142	1095577	64.372	ng	98
38) 1-Methylnaphthalene	9.00	142	670957	41.048	ng	# 97
46) 1,1'-Biphenyl	9.36	154	184256	7.260	ng	98
71) Phenanthrene	11.47	178	304688	11.937	ng	# 86
78) Pyrene	12.87	202	131233	3.734	ng	# 95
84) Bis(2-ethylhexyl)phthalate	14.04	149	83131	4.607	ng	# 97

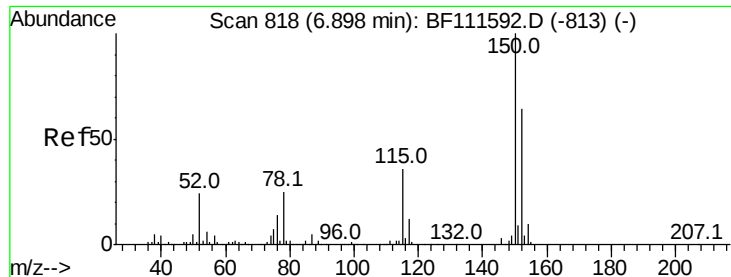
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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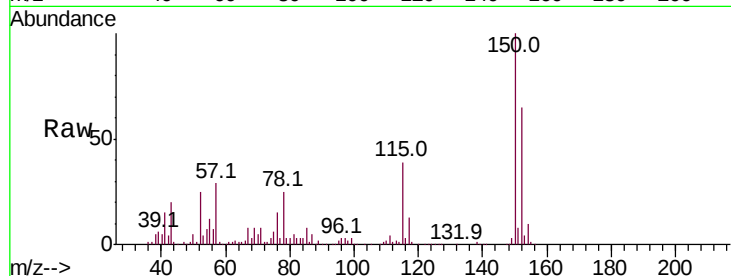


#1

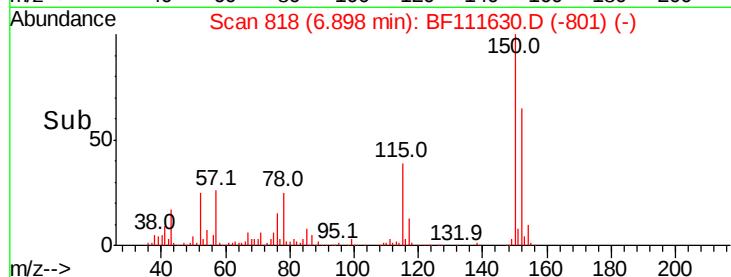
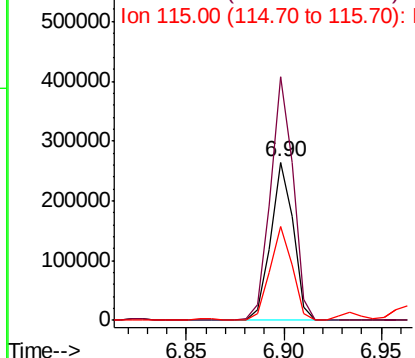
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111630.D
Acq: 20 Dec 2018 10:58

Instrument :
BNA_F
ClientSampleId :
DRUM-1

Tot Ion:152 Resp: 212234
Ion Ratio Lower Upper
152 100
150 153.7 126.6 189.8
115 59.5 50.7 76.1



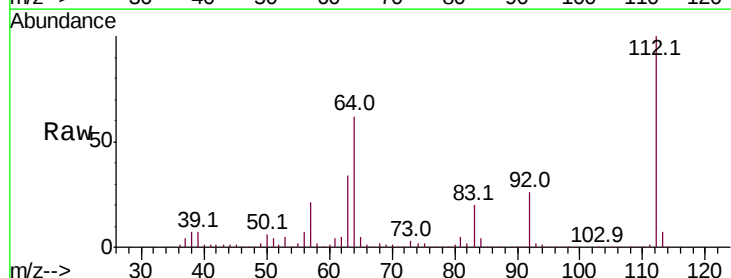
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



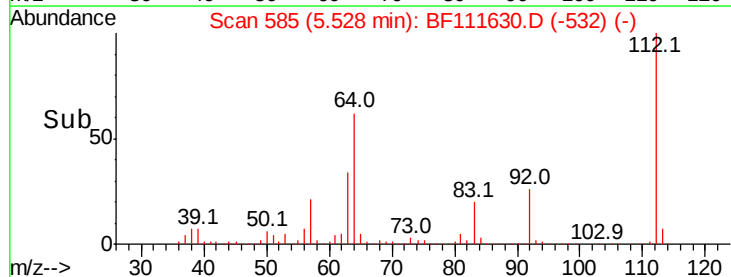
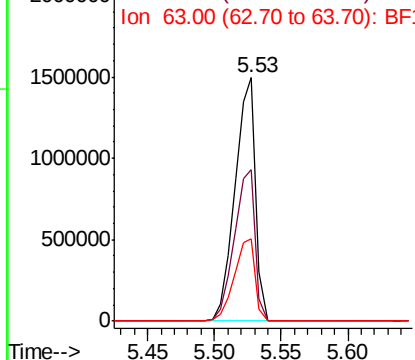
#5

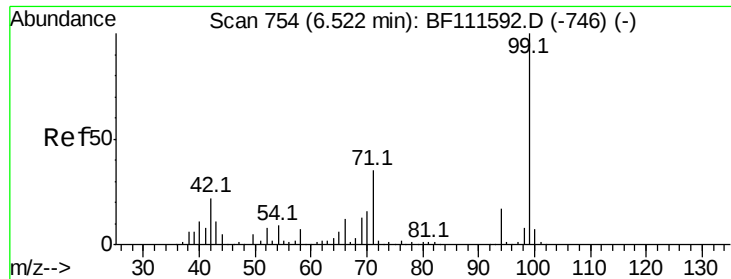
2-Fluorophenol
Concen: 129.390 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111630.D
Acq: 20 Dec 2018 10:58

Tgt Ion:112 Resp: 1611056
Ion Ratio Lower Upper
112 100
64 62.0 51.8 77.6
63 33.6 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: 132.157 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

Instrument :

BNA_F

ClientSampleId :

DRUM-1

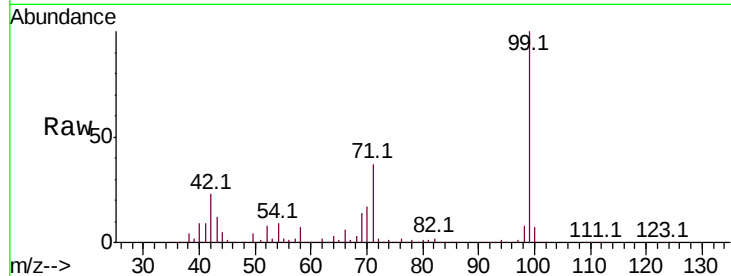
Tot Ion: 99 Resp: 2094158

Ion Ratio Lower Upper

99 100

42 23.3 17.4 26.0

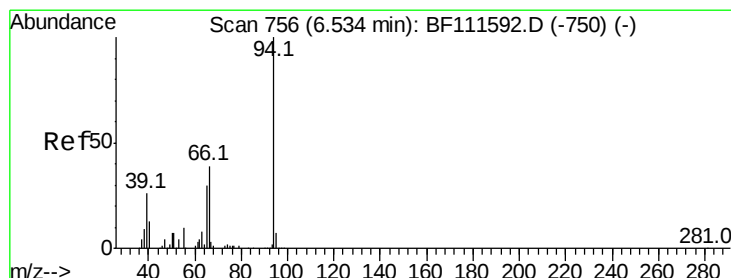
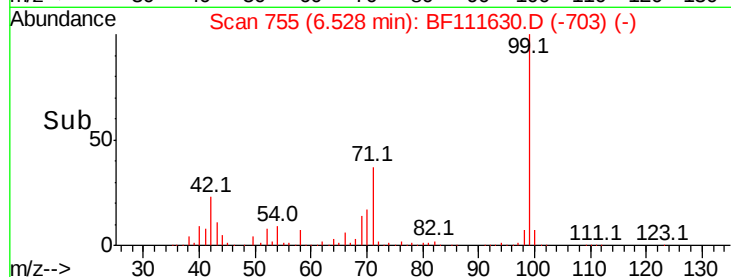
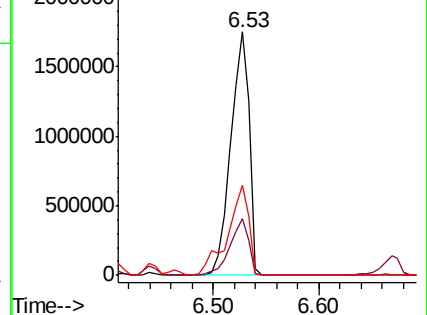
71 37.1 26.1 39.1



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



#10

Phenol

Concen: 4.475 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

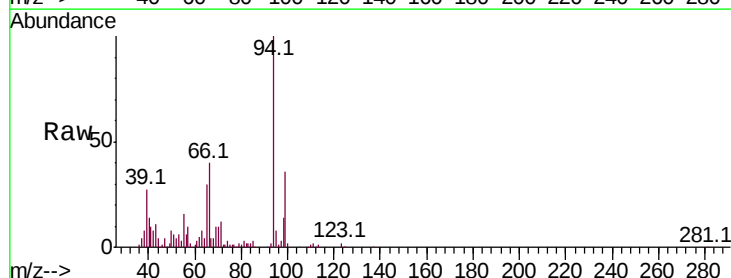
Tgt Ion: 94 Resp: 80013

Ion Ratio Lower Upper

94 100

65 29.9 11.7 51.7

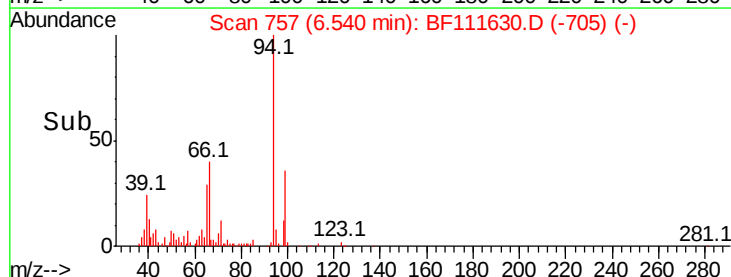
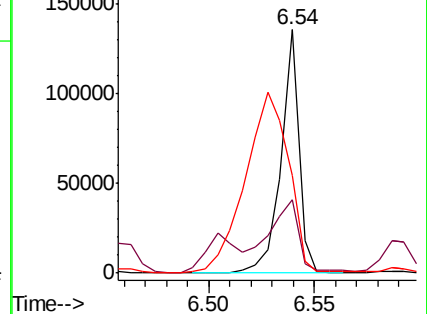
66 40.0 21.0 61.0

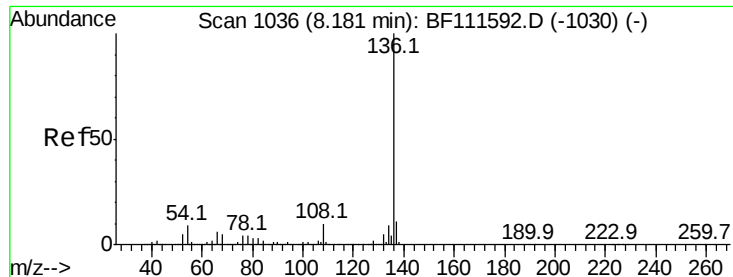


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

Instrument :

BNA_F

ClientSampleId :

DRUM-1

Tot Ion:136 Resp: 544439

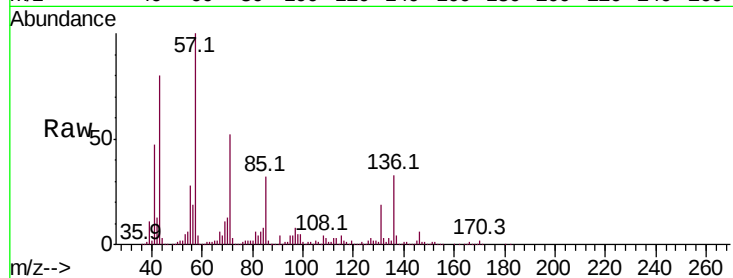
Ion Ratio Lower Upper

136 100

137 12.0 9.1 13.7

54 17.5 7.7 11.5#

68 12.0 4.9 7.3#

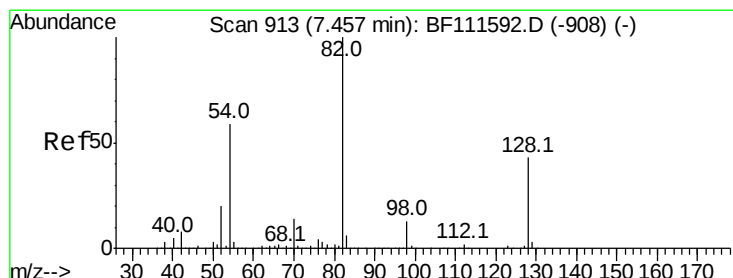
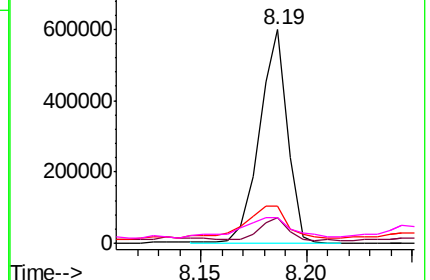
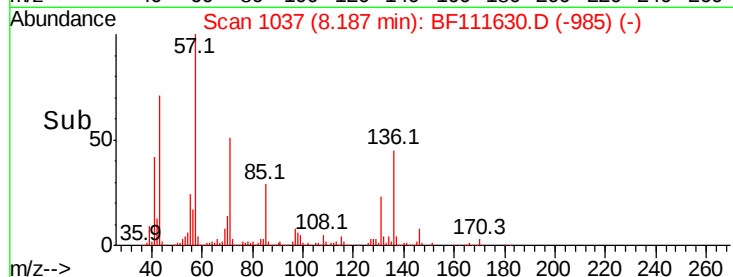


Abundance Ion 136.00 (135.70 to 136.70): E

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: 141.770 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

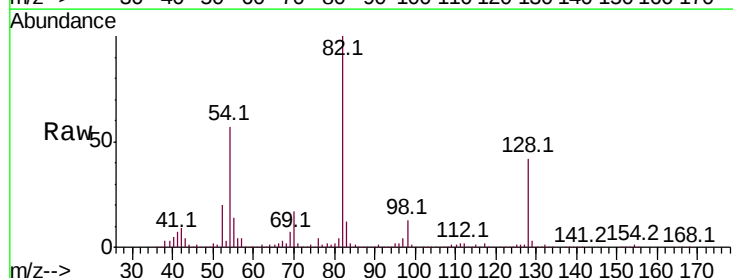
Tgt Ion: 82 Resp: 1326026

Ion Ratio Lower Upper

82 100

128 42.4 37.4 56.2

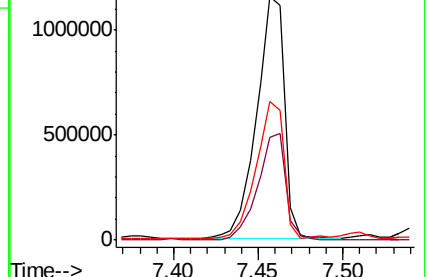
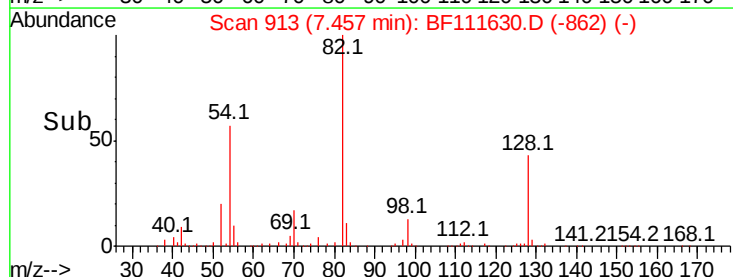
54 57.1 47.6 71.4

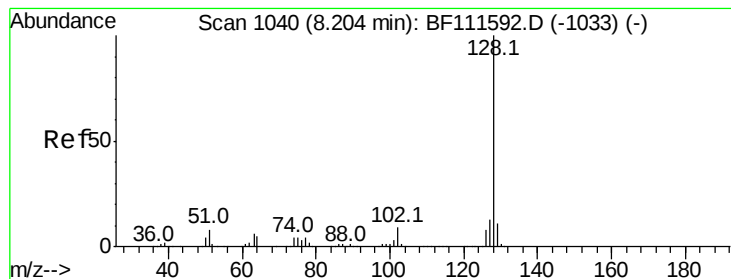


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 10.202 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

Instrument :

BNA_F

ClientSampleId :

DRUM-1

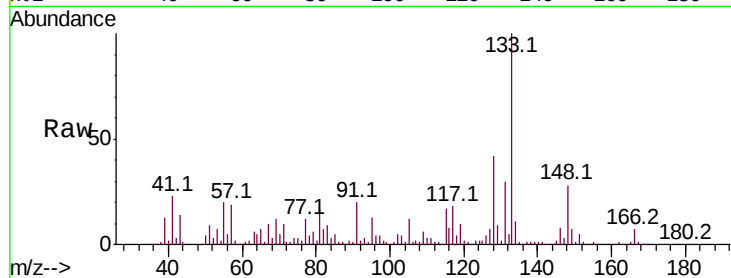
Tot Ion:128 Resp: 266886

Ion Ratio Lower Upper

128 100

129 20.5 9.8 14.8#

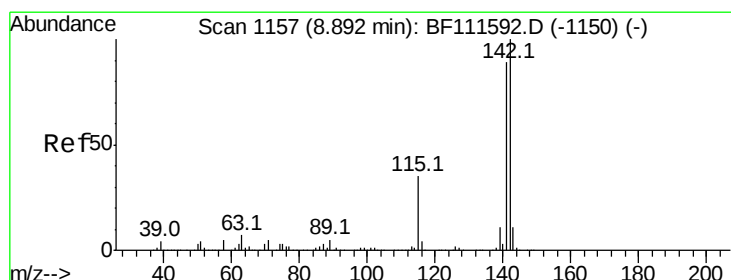
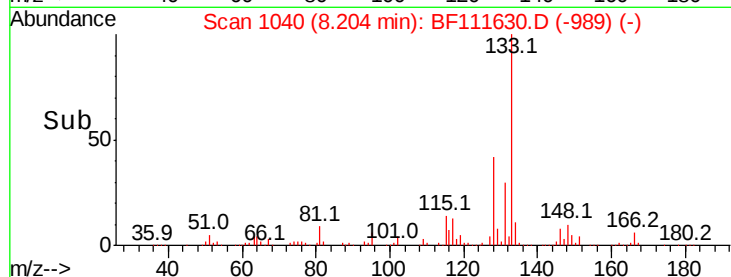
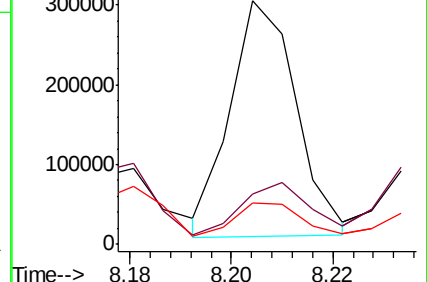
127 16.8 12.0 18.0



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: 64.372 ng

RT: 8.90 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

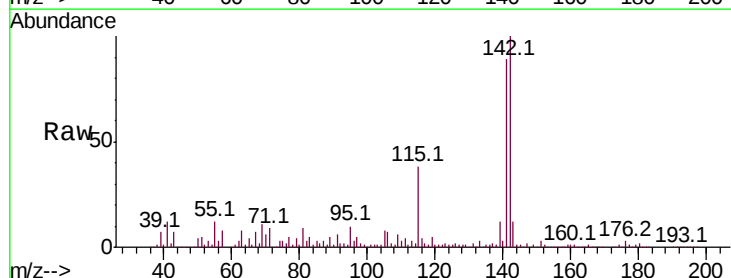
Tgt Ion:142 Resp: 1095577

Ion Ratio Lower Upper

142 100

141 88.5 70.6 105.8

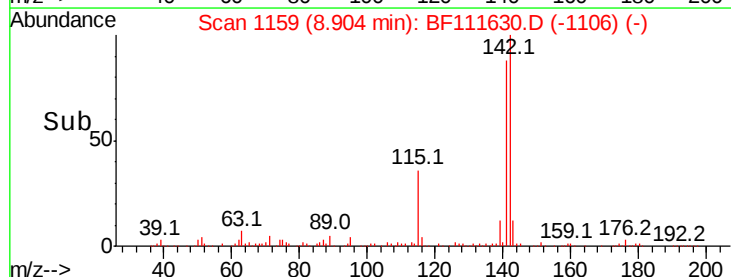
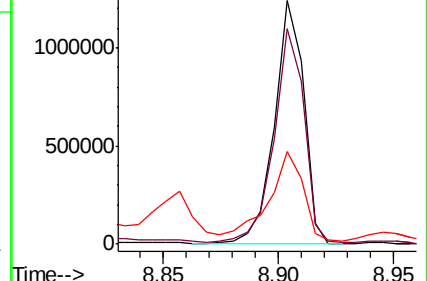
115 37.8 27.0 40.6

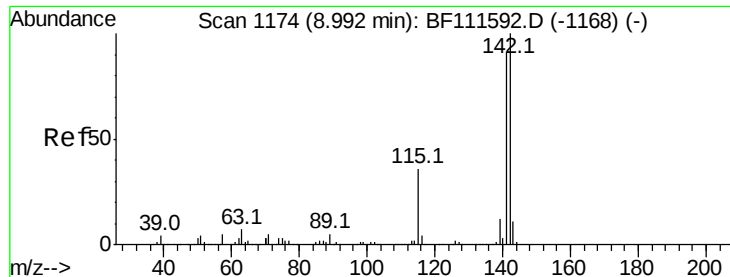


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

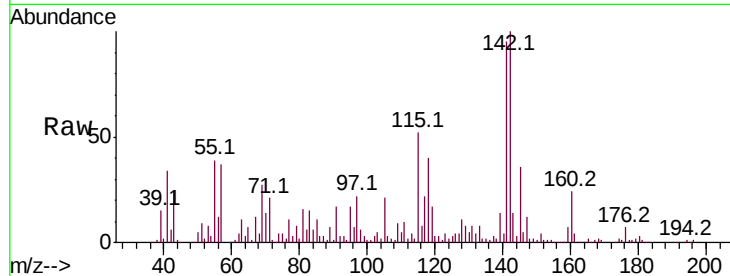




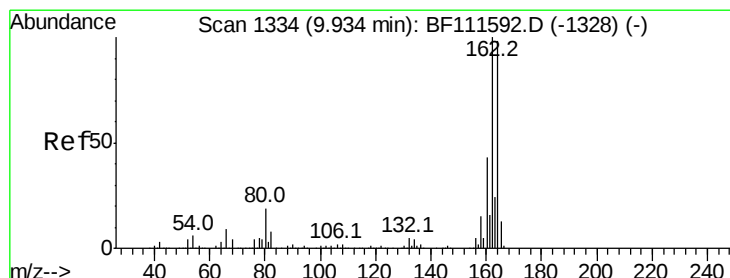
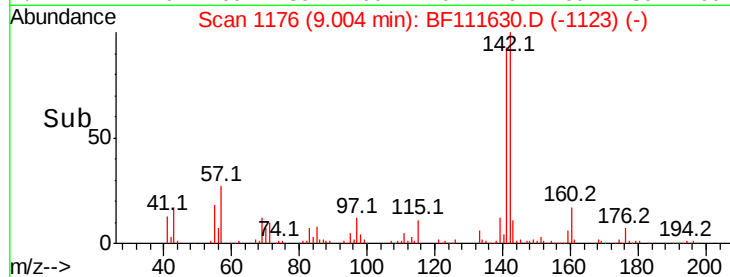
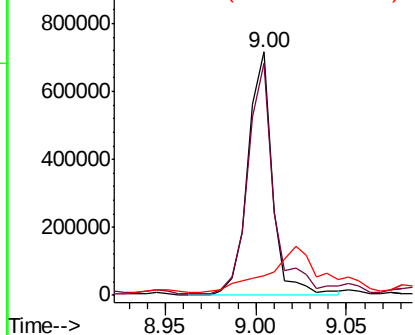
#38
1-Methylnaphthalene
Concen: 41.048 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF111630.D
Acq: 20 Dec 2018 10:58

Instrument :
BNA_F
ClientSampled :
DRUM-1

Tot Ion:142 Resp: 670957
Ion Ratio Lower Upper
142 100
141 95.3 74.2 111.4
116 8.3 2.9 4.3#

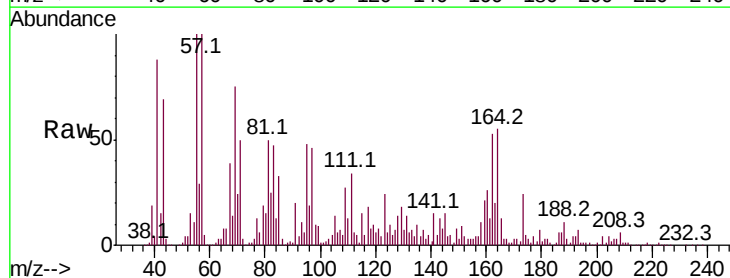


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

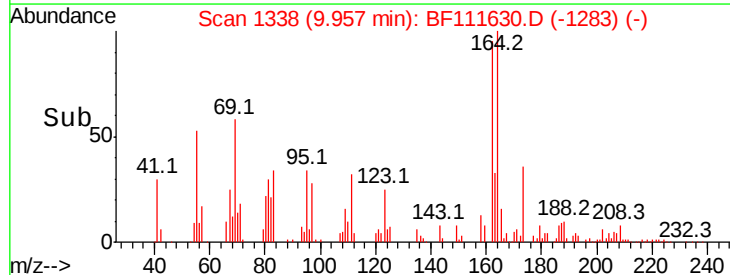
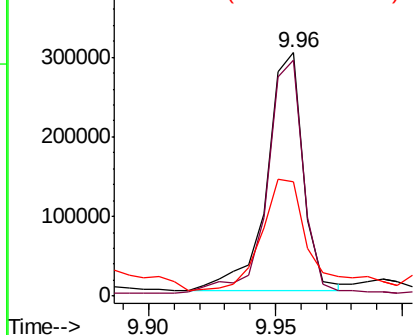


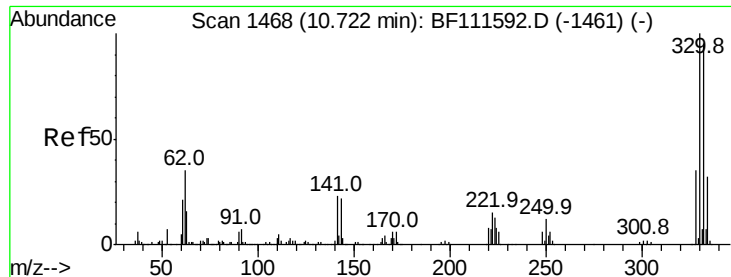
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BF111630.D
Acq: 20 Dec 2018 10:58

Tgt Ion:164 Resp: 300673
Ion Ratio Lower Upper
164 100
162 97.1 81.4 122.0
160 46.8 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: 128.104 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.02 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

Instrument :

BNA_F

ClientSampleId :

DRUM-1

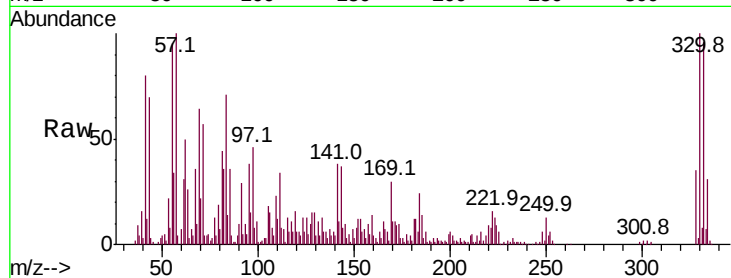
Tot Ion:330 Resp: 455112

Ion Ratio Lower Upper

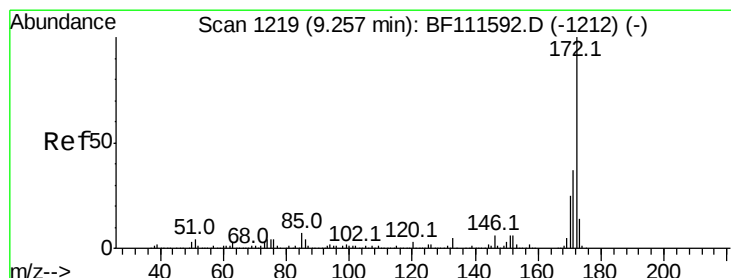
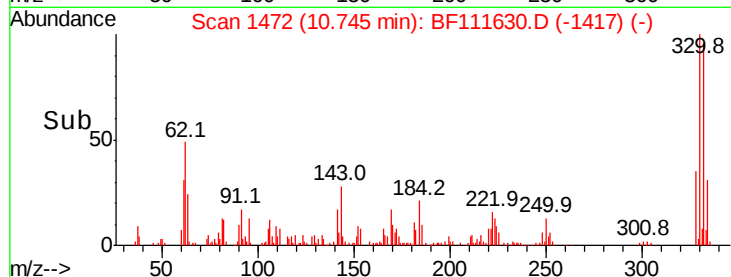
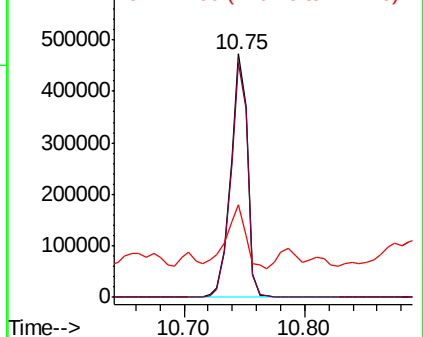
330 100

332 96.5 76.0 114.0

141 29.8 31.0 46.6#



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



#45

2-Fluorobiphenyl

Concen: 98.399 ng

RT: 9.27 min Scan# 1221

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

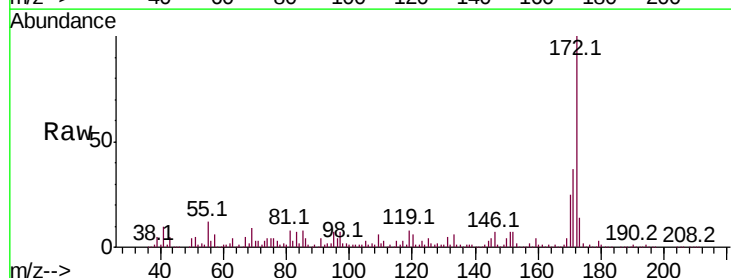
Tgt Ion:172 Resp: 2029806

Ion Ratio Lower Upper

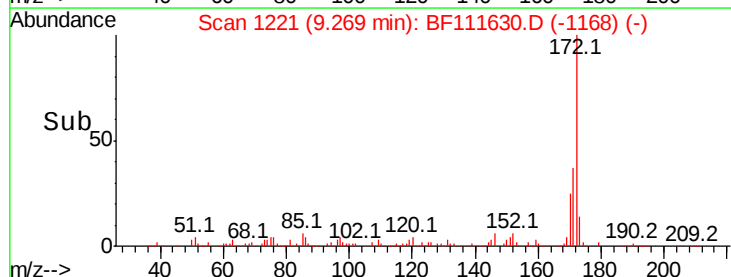
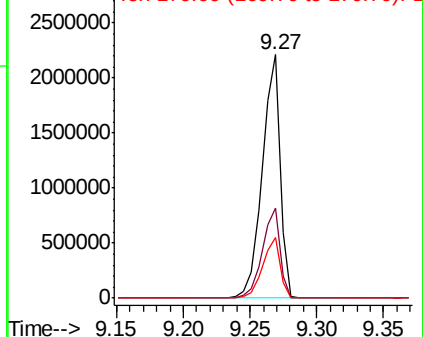
172 100

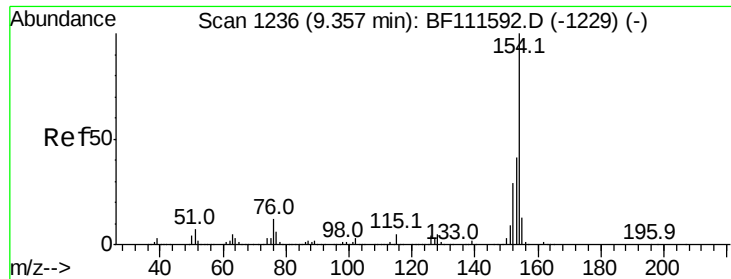
171 36.8 33.0 49.4

170 24.8 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

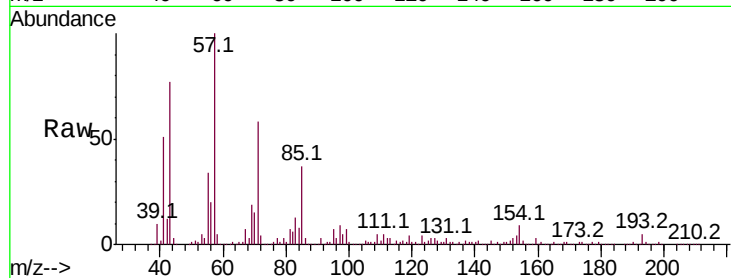




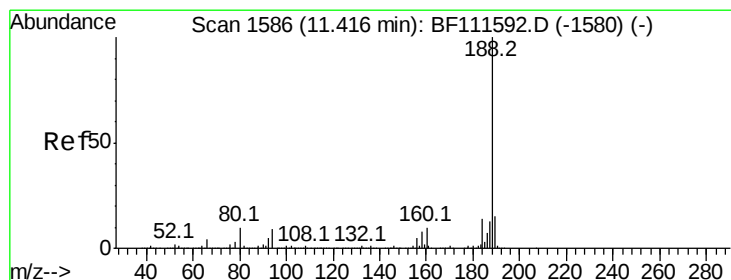
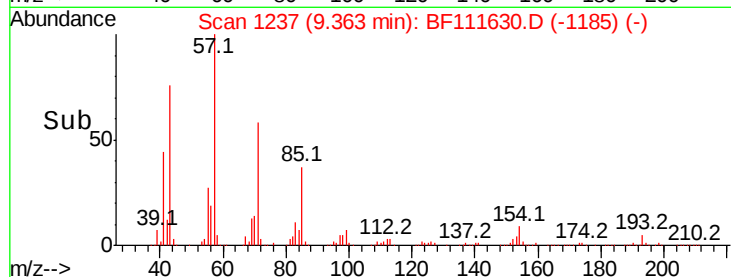
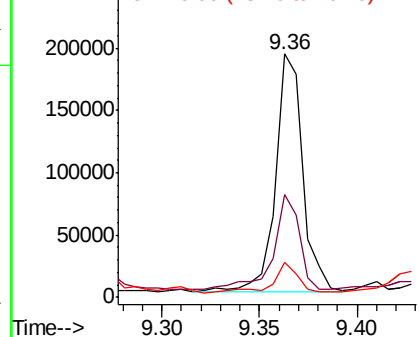
#46
 1,1'-Biphenyl
 Concen: 7.260 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BF111630.D
 Acq: 20 Dec 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1

Tot Ion:154 Resp: 184256
 Ion Ratio Lower Upper
 154 100
 153 42.5 23.7 63.7
 76 14.5 0.0 35.0

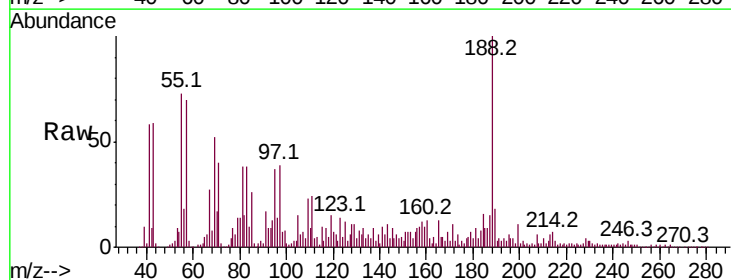


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

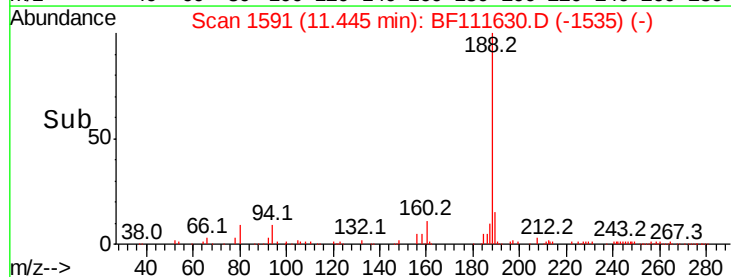
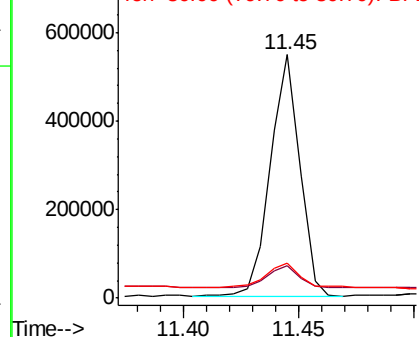


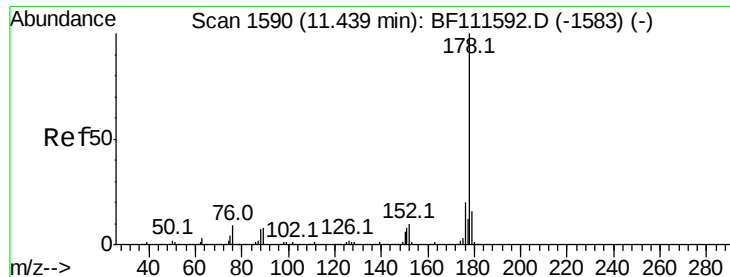
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.03 min
 Lab File: BF111630.D
 Acq: 20 Dec 2018 10:58

Tgt Ion:188 Resp: 481304
 Ion Ratio Lower Upper
 188 100
 94 13.2 9.6 14.4
 80 14.1 9.8 14.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 11.937 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.03 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

Instrument :

BNA_F

ClientSampleId :

DRUM-1

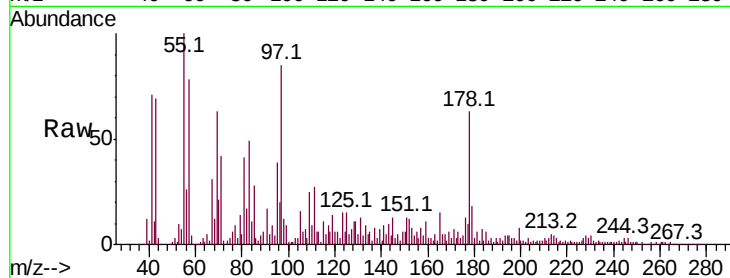
Tot Ion:178 Resp: 304688

Ion Ratio Lower Upper

178 100

176 20.6 18.1 27.1

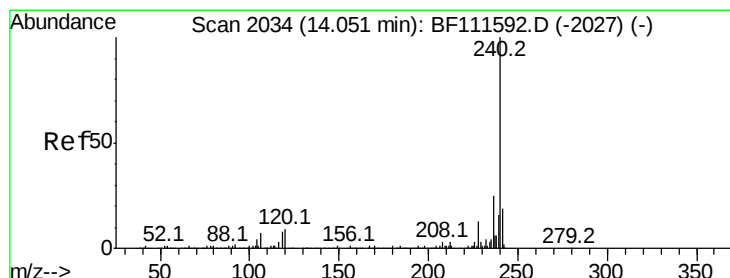
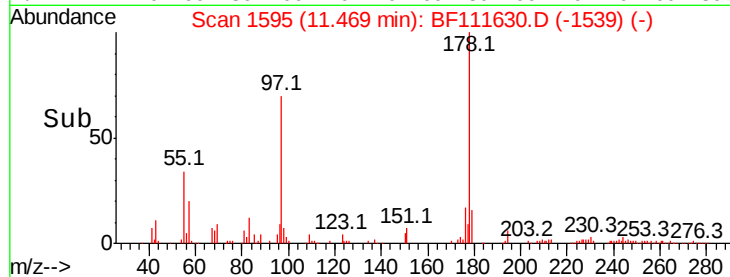
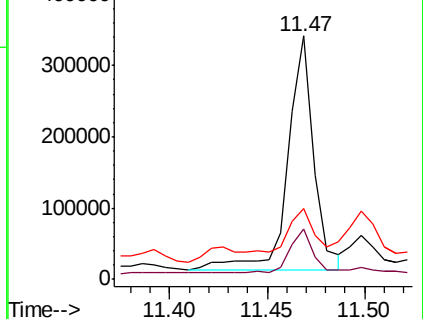
179 28.9 14.0 21.0#



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

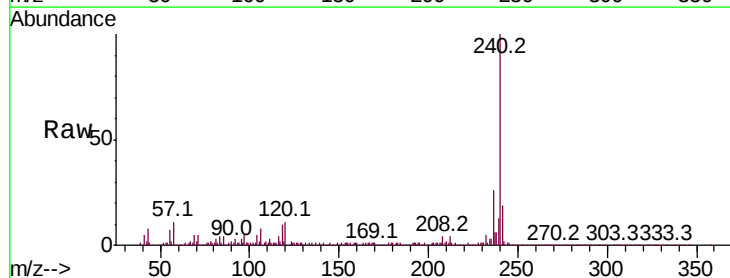
Tgt Ion:240 Resp: 497708

Ion Ratio Lower Upper

240 100

120 11.3 12.2 18.2#

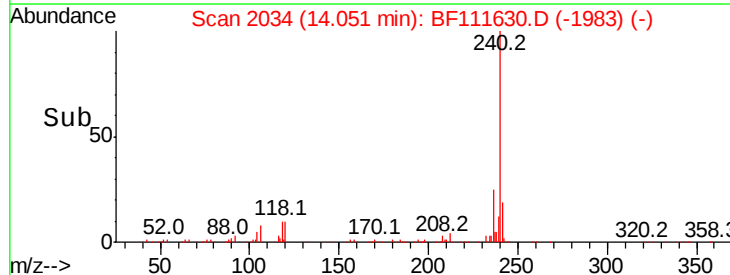
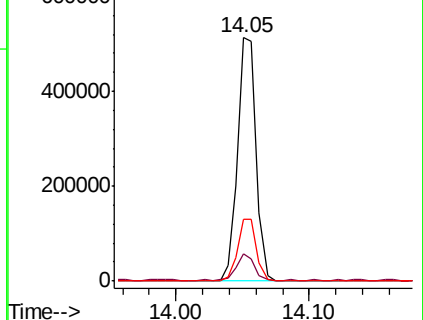
236 25.5 20.2 30.2

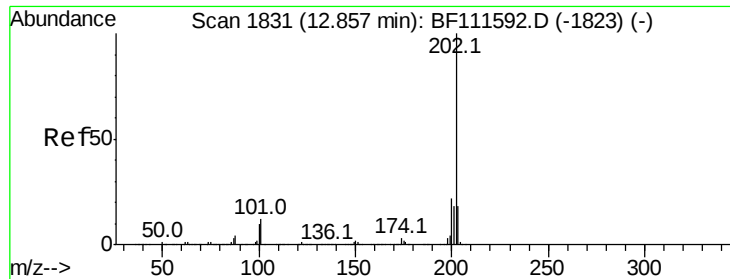


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

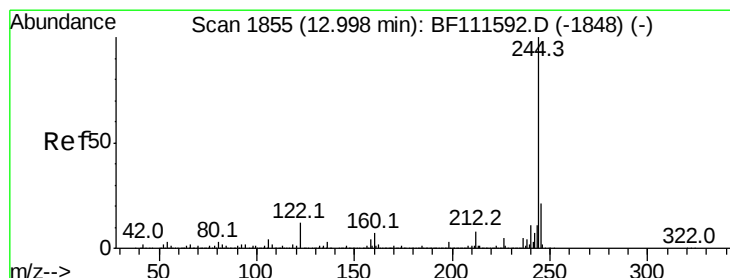
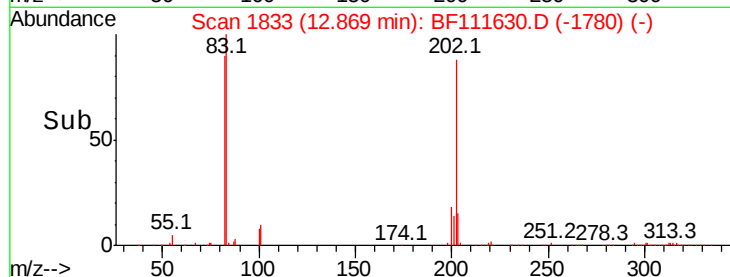
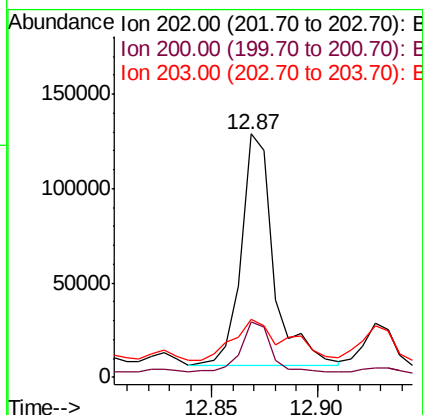
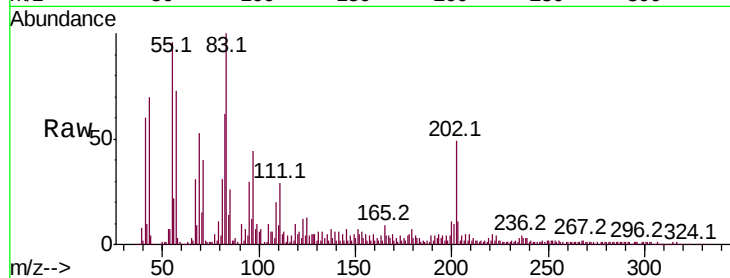




#78
Pvrene
Concen: 3.734 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111630.D
Acq: 20 Dec 2018 10:58

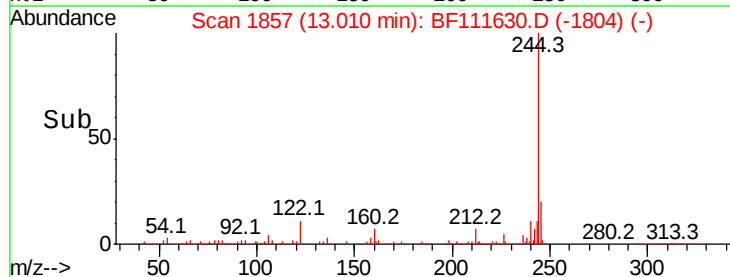
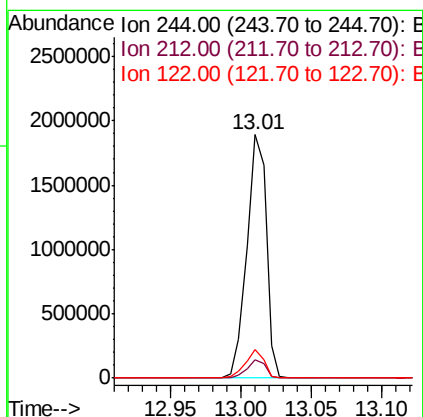
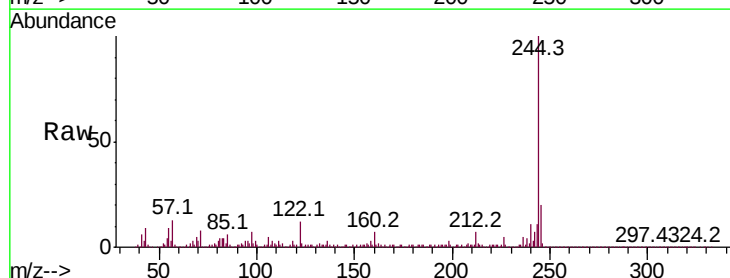
Instrument :
BNA_F
ClientSampleId :
DRUM-1

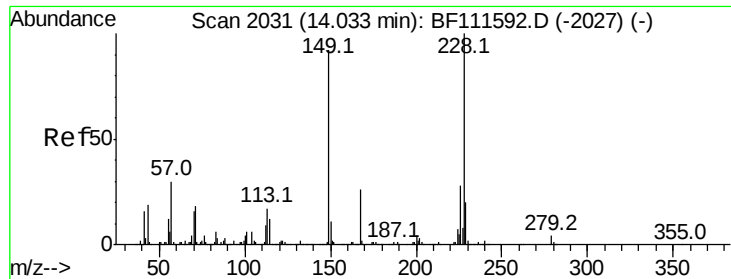
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	19.0	28.4
203	23.6	15.2	22.8#



#79
Terphenyl-d14
Concen: 69.699 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF111630.D
Acq: 20 Dec 2018 10:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	11.9	13.1	19.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.607 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

Instrument :

BNA_F

ClientSampleId :

DRUM-1

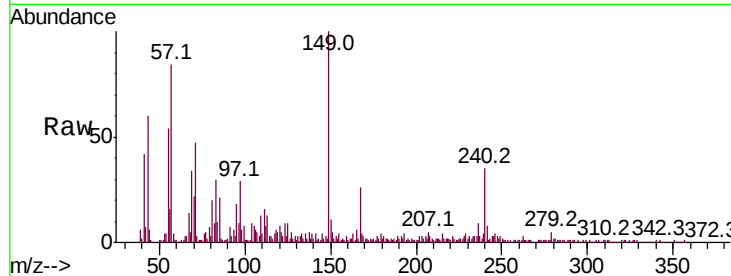
Tot Ion:149 Resp: 83131

Ion Ratio Lower Upper

149 100

167 26.4 22.5 33.7

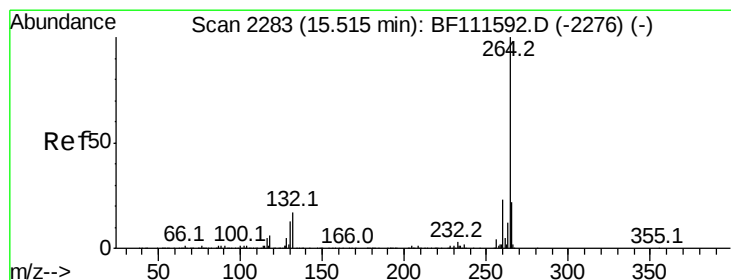
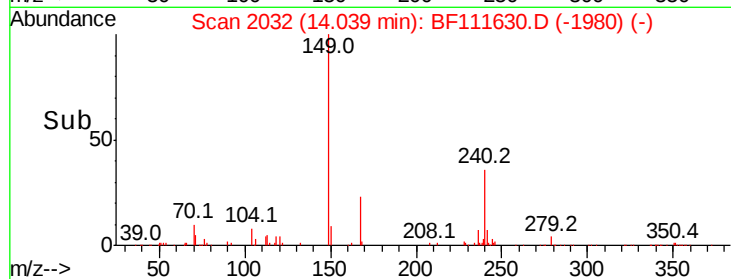
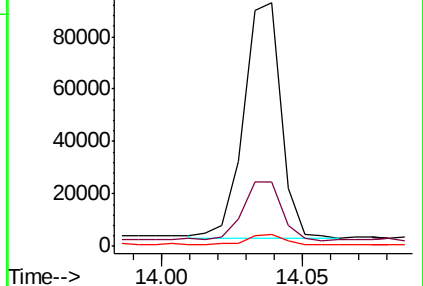
279 5.1 2.6 4.0#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.01 min

Lab File: BF111630.D

Acq: 20 Dec 2018 10:58

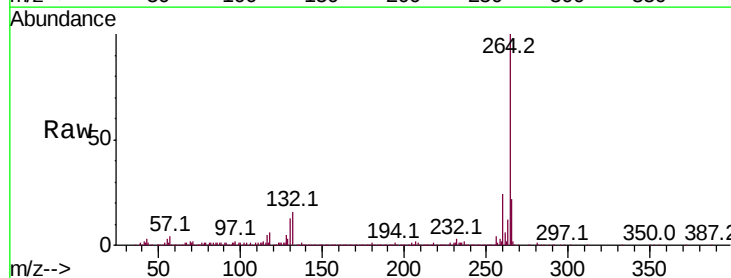
Tgt Ion:264 Resp: 515995

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

265 22.2 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

