

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085770.D
 Acq On : 25 Mar 2016 19:19
 Operator : UM/SJ
 Sample : H1855-06
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Quant Time: Mar 25 21:54:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	105161	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	364853	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	147051	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	221275	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	232117	20.00	ng	0.00
86) Perylene-d12	15.40	264	194025	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	48401	7.67	ng	0.01
7) Phenol-d6	6.46	99	60260	7.51	ng	0.00
23) Nitrobenzene-d5	7.38	82	26642	4.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	7843	5.61	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	48055	5.46	ng	-0.01
78) Terphenyl-d14	12.93	244	35607	3.15	ng	0.00

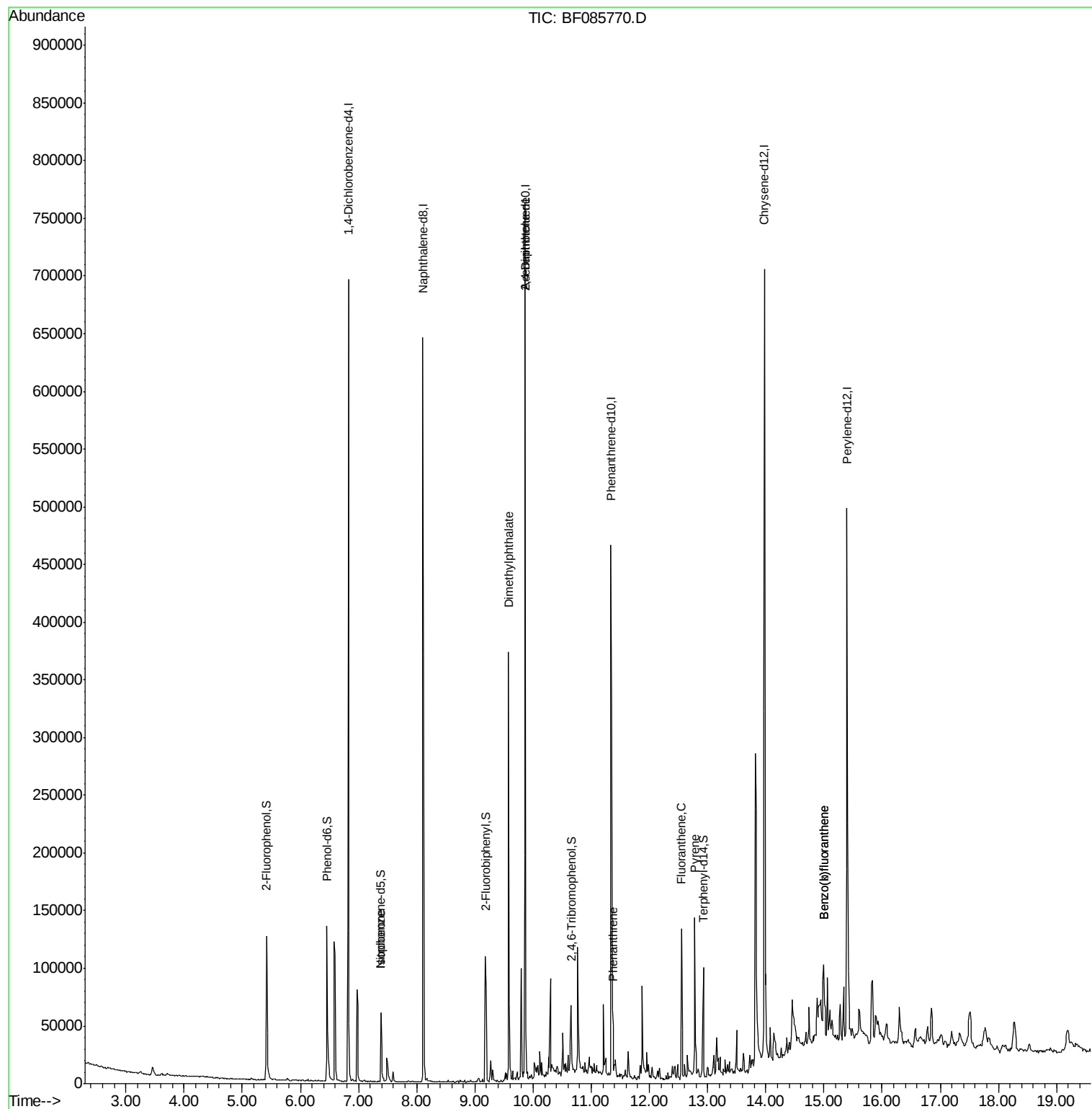
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.38	82	26641	2.13	ng	# 68
37) 2-Methylnaphthalene	8.82	142	597	Below Cal		# 93
49) Dimethylphthalate	9.58	163	136164	12.20	ng	99
56) 2,4-Dinitrotoluene	9.86	165	18844	6.17	ng	# 36
70) Phenanthrene	11.37	178	26955	2.37	ng	98
74) Fluoranthene	12.55	202	54024	4.47	ng	97
77) Pyrene	12.78	202	55844	2.93	ng	99
87) Benzo(b)fluoranthene	15.00	252	41620	3.41	ng	99
88) Benzo(k)fluoranthene	15.00	252	41620	3.78	ng	# 96

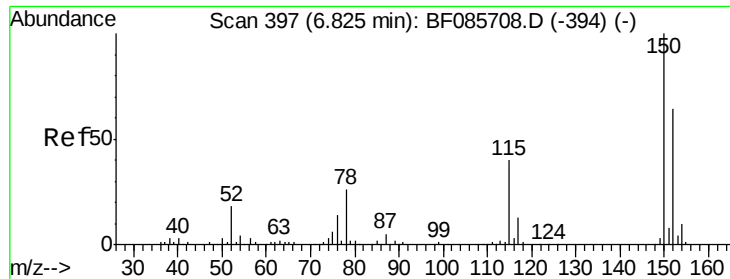
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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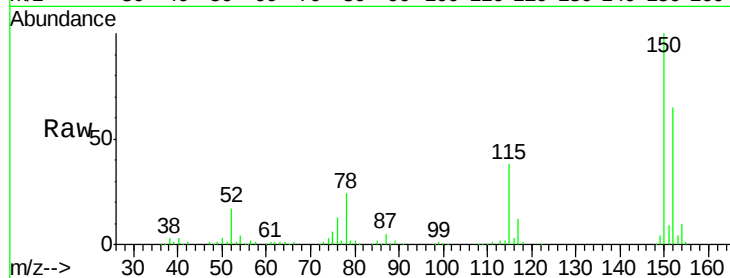


#1

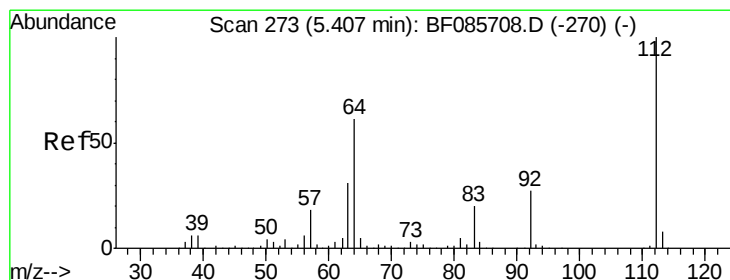
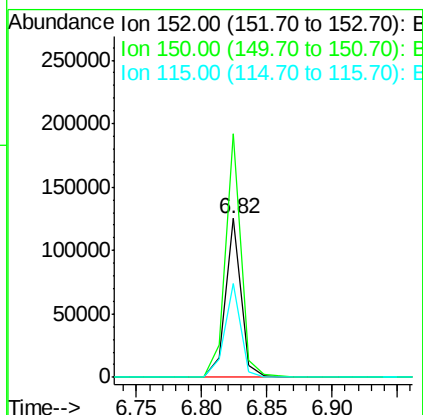
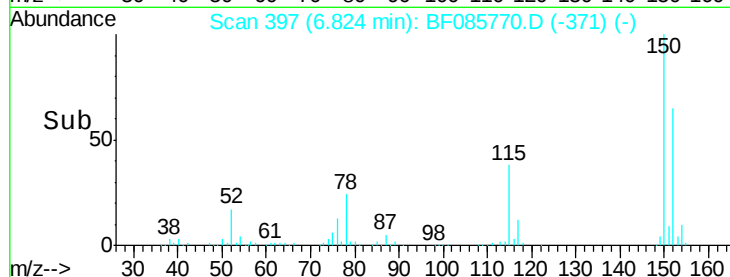
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085770.D
Acq: 25 Mar 2016 19:19

Instrument :
BNA_F
ClientSampleId :
SB-4

Tgt Ion:152 Resp: 105161
Ion Ratio Lower Upper
152 100
150 153.0 124.2 186.2
115 58.8 47.0 70.6



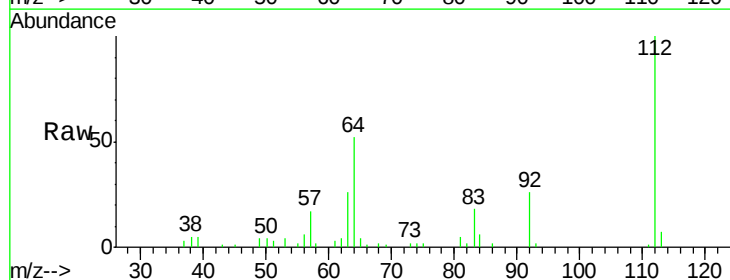
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



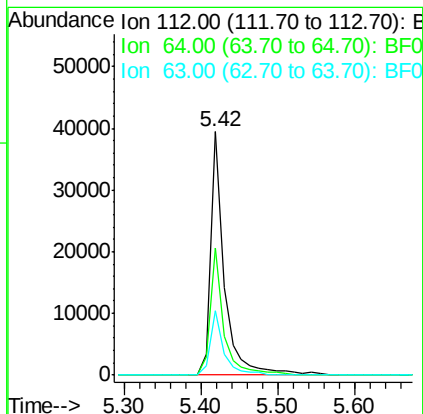
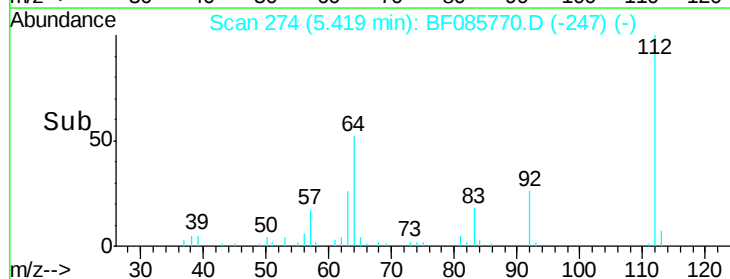
#5

2-Fluorophenol
Concen: 7.67 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085770.D
Acq: 25 Mar 2016 19:19

Tgt Ion:112 Resp: 48401
Ion Ratio Lower Upper
112 100
64 52.0 39.9 59.9
63 26.4 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.51 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Instrument :

BNA_F

ClientSampleId :

SB-4

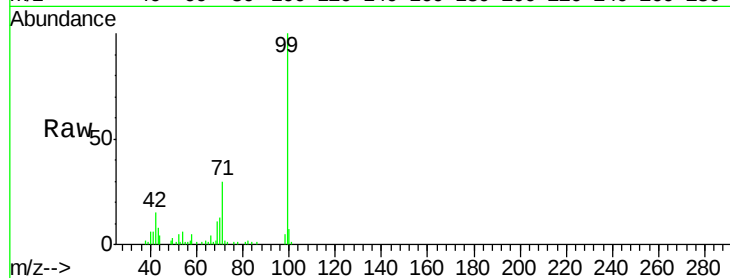
Tgt Ion: 99 Resp: 60260

Ion Ratio Lower Upper

99 100

42 14.7 11.1 16.7

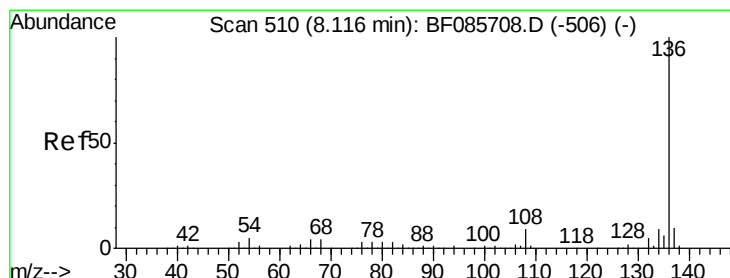
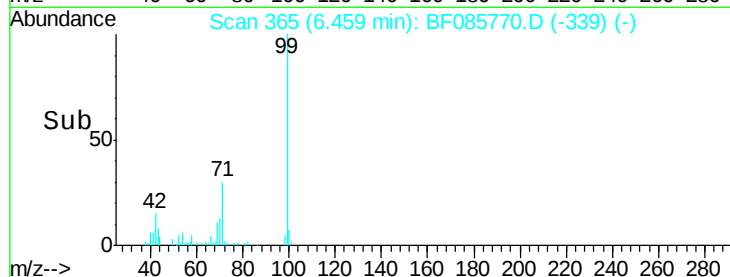
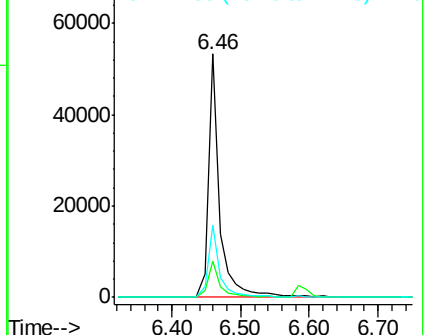
71 29.8 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Tgt Ion: 136 Resp: 364853

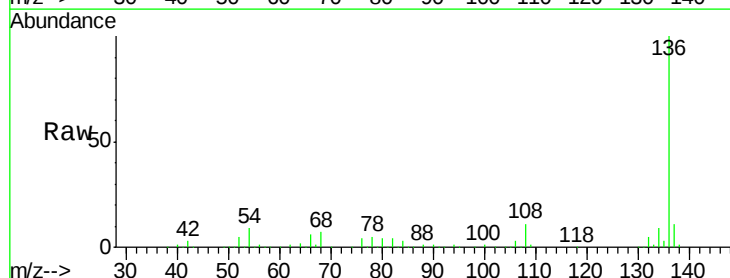
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.9 7.4 11.0

68 7.3 5.8 8.8

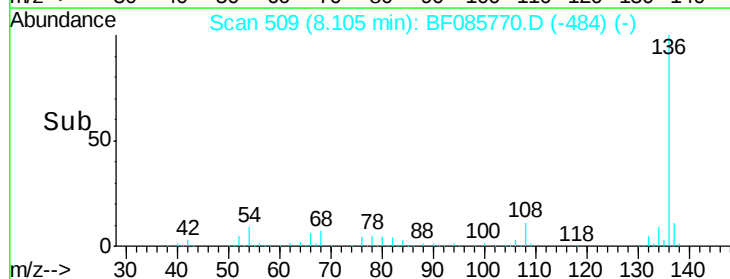
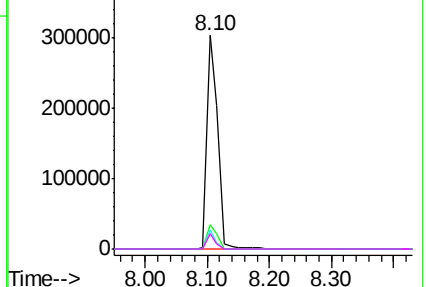


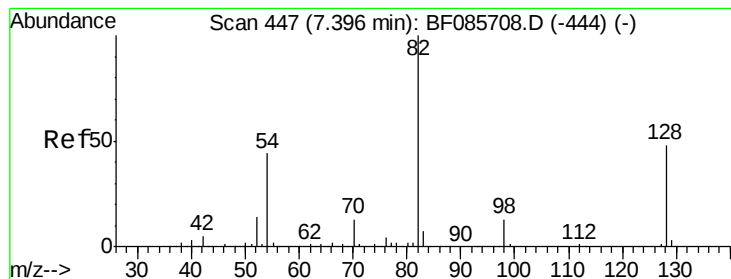
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 4.11 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Instrument :

BNA_F

ClientSampleId :

SB-4

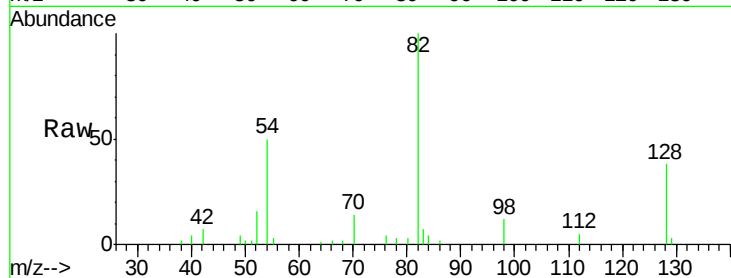
Tgt Ion: 82 Resp: 26642

Ion Ratio Lower Upper

82 100

128 38.1 41.8 62.8#

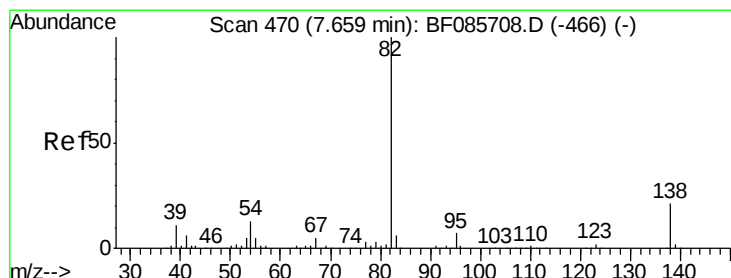
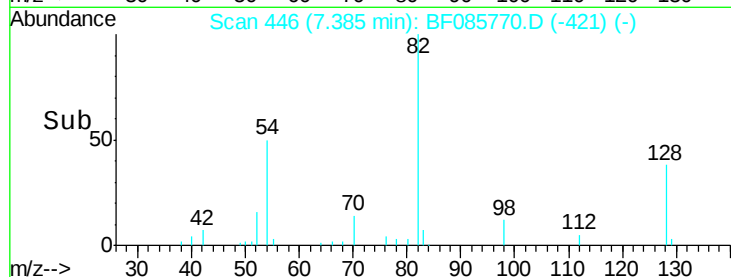
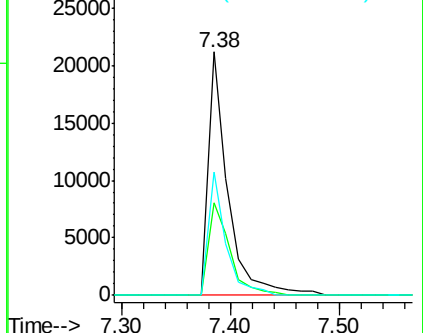
54 50.5 33.4 50.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 2.13 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.27 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

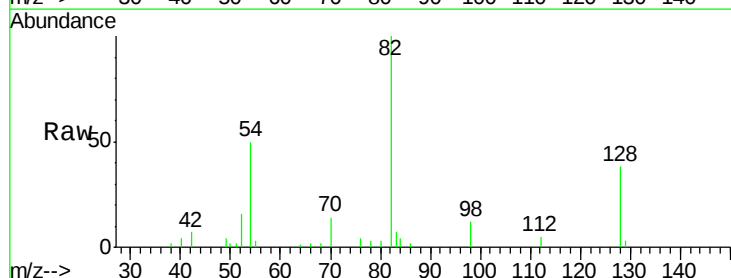
Tgt Ion: 82 Resp: 26641

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

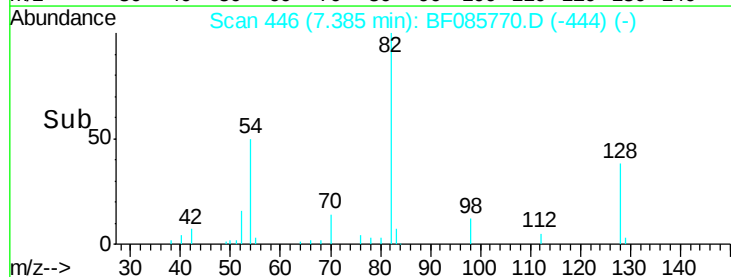
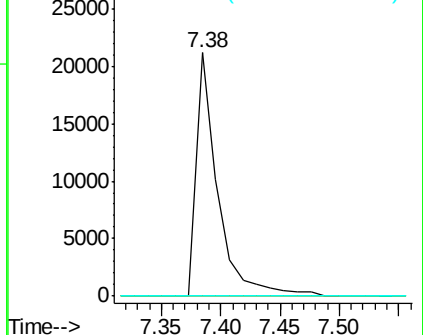
138 0.0 12.9 19.3#

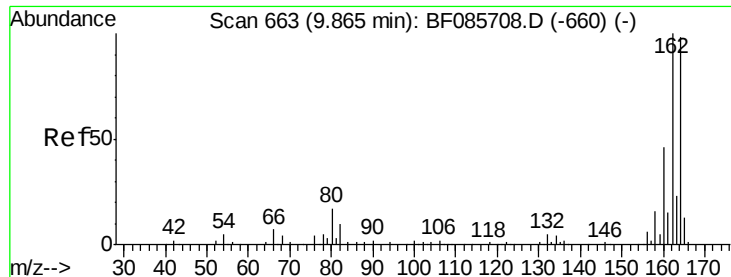


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Instrument :

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ClientSampleId :

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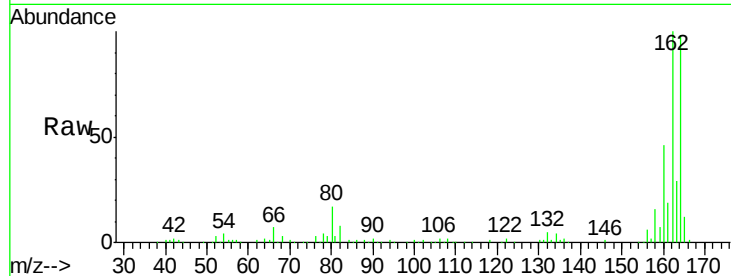
Tgt Ion:164 Resp: 147051

Ion Ratio Lower Upper

164 100

162 102.6 82.1 123.1

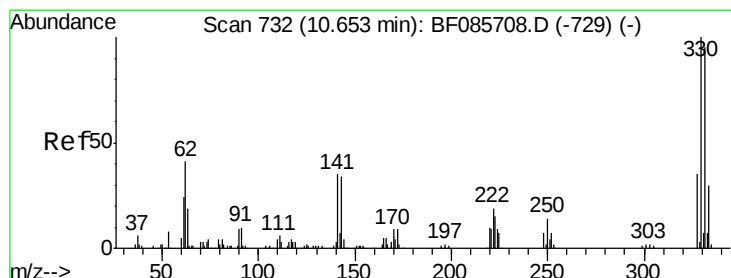
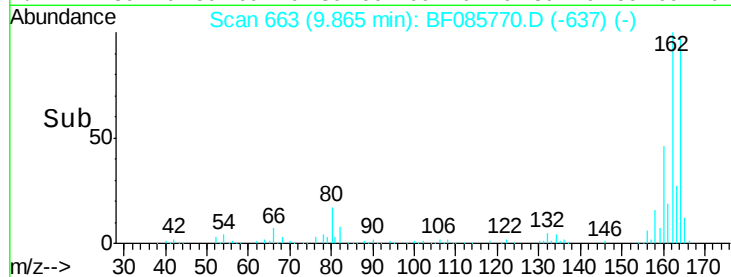
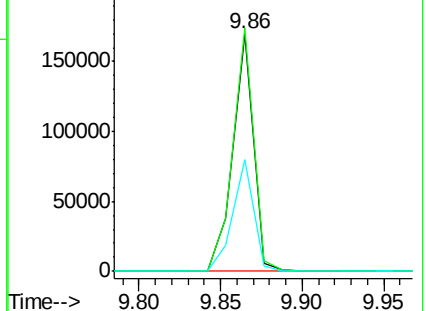
160 47.3 37.4 56.2



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



#41

2,4,6-Tribromophenol

Concen: 5.61 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

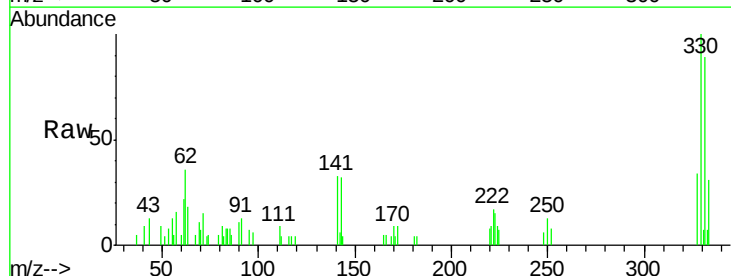
Tgt Ion:330 Resp: 7843

Ion Ratio Lower Upper

330 100

332 92.1 78.2 117.2

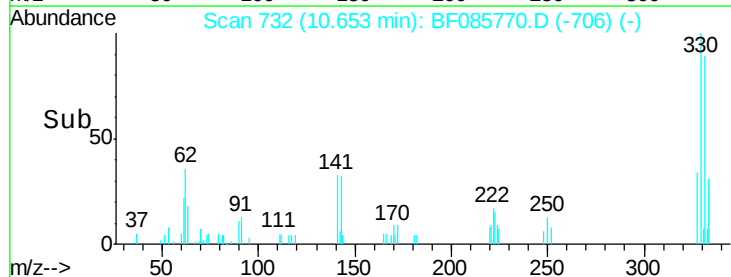
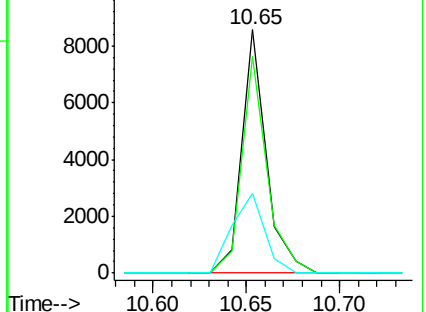
141 43.8 31.5 47.3

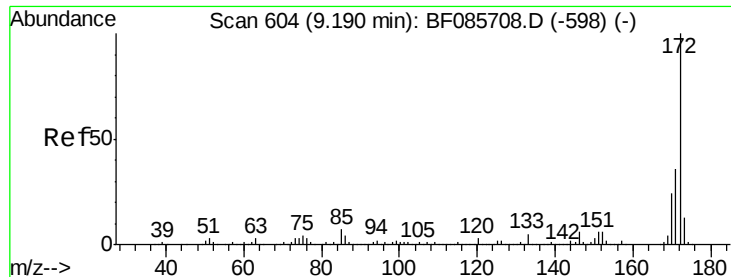


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

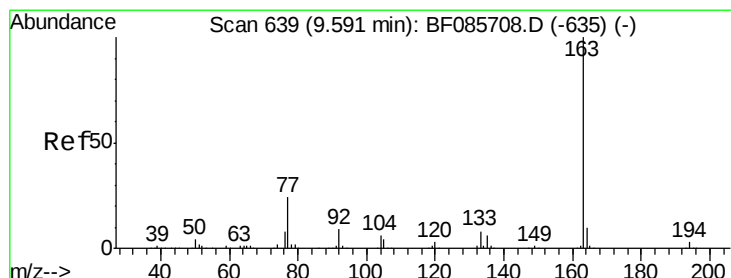
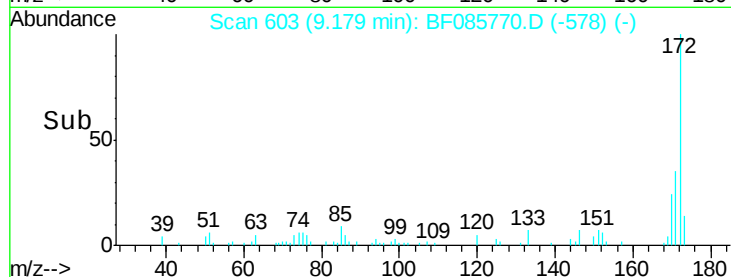
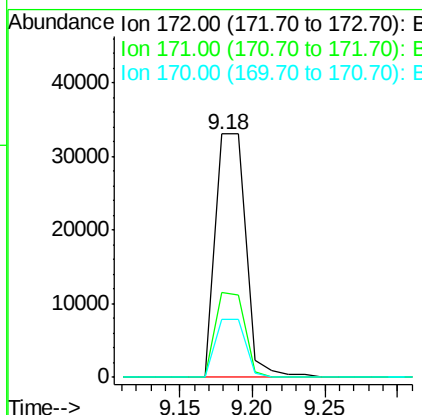
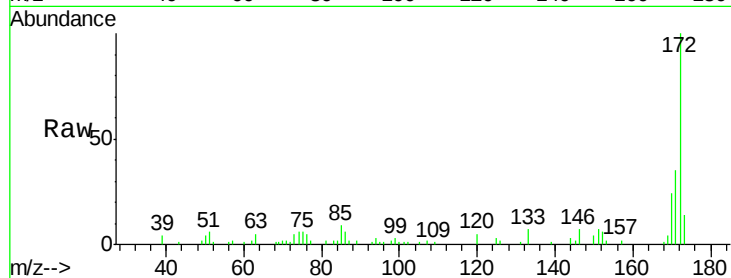




#44
 2-Fluorobiphenyl
 Concen: 5.46 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085770.D
 Acq: 25 Mar 2016 19:19

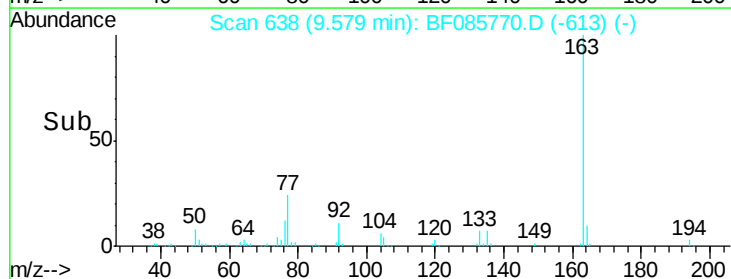
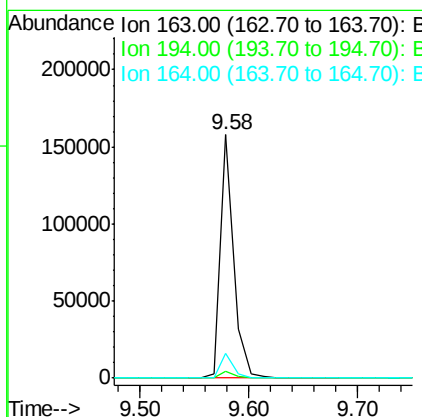
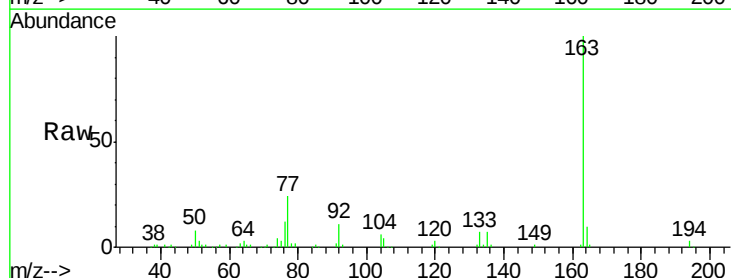
Instrument :
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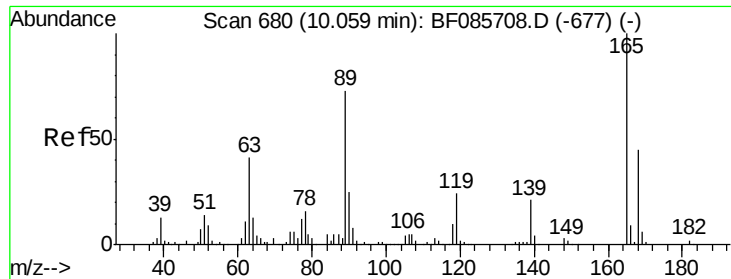
Tgt Ion:172 Resp: 48055
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.4 44.2
 170 23.9 19.8 29.6



#49
 Dimethylphthalate
 Concen: 12.20 ng
 RT: 9.58 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF085770.D
 Acq: 25 Mar 2016 19:19

Tgt Ion:163 Resp: 136164
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.9 4.3
 164 10.0 8.3 12.5

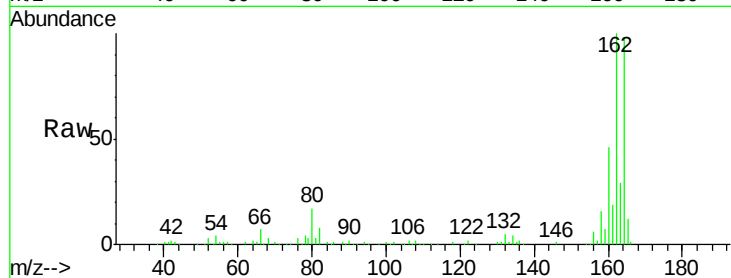




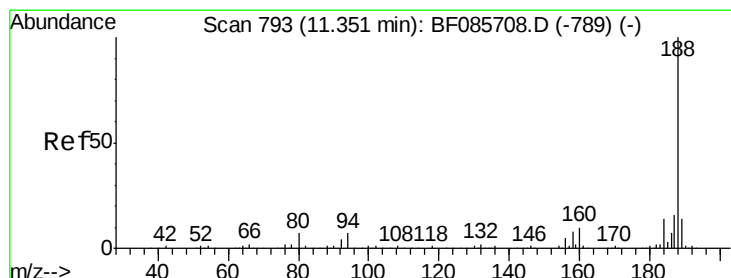
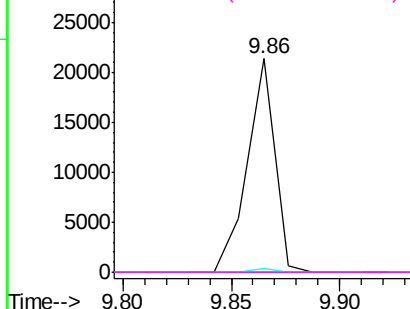
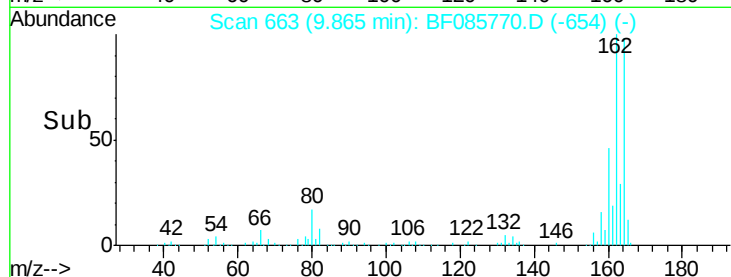
#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.19 min
 Lab File: BF085770.D
 Acq: 25 Mar 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:165 Resp: 18844
 Ion Ratio Lower Upper
 165 100
 63 0.0 24.9 37.3#
 89 1.6 41.0 61.6#
 182 0.0 2.1 3.1#

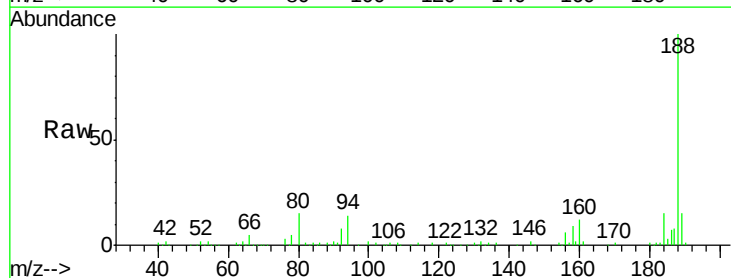


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

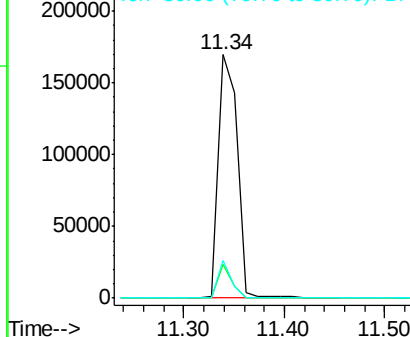
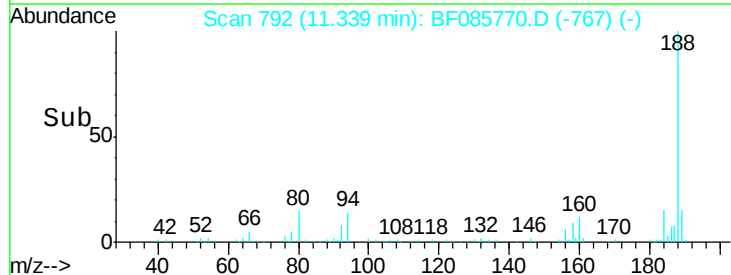


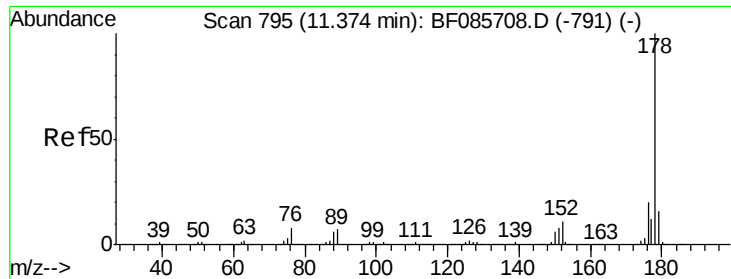
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF085770.D
 Acq: 25 Mar 2016 19:19

Tgt Ion:188 Resp: 221275
 Ion Ratio Lower Upper
 188 100
 94 14.0 5.4 8.0#
 80 15.3 5.5 8.3#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

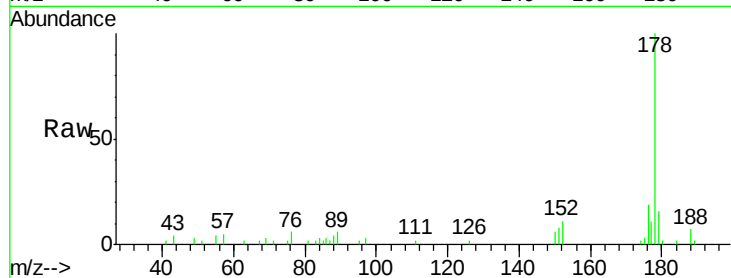




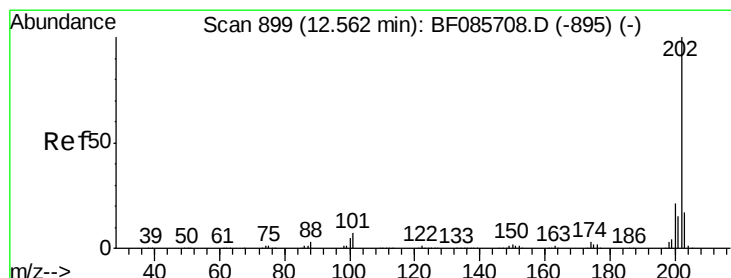
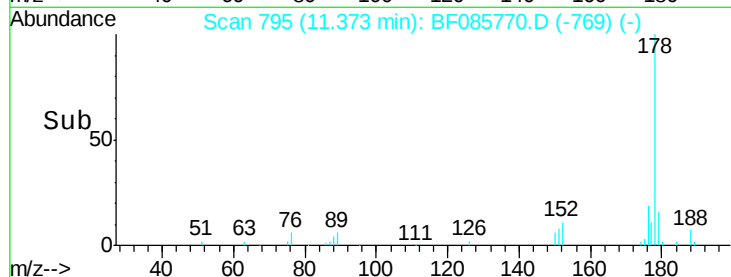
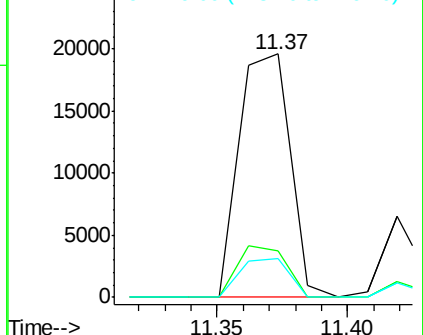
#70
Phenanthrene
Concen: 2.37 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085770.D
Acq: 25 Mar 2016 19:19

Instrument :
BNA_F
ClientSampled :
SB-4

Tgt Ion:178 Resp: 26955
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 15.9 12.6 18.8

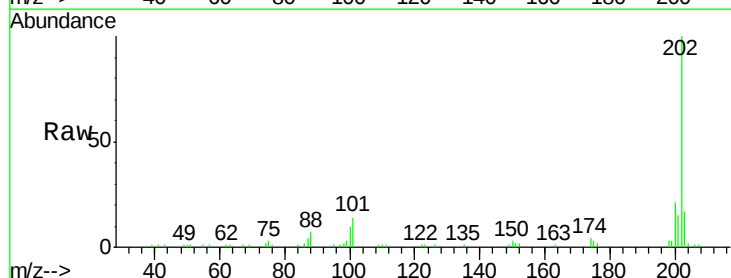


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

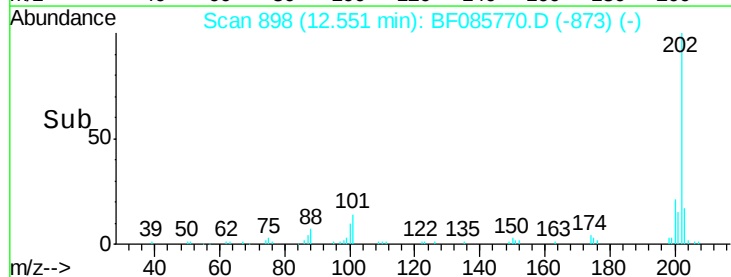
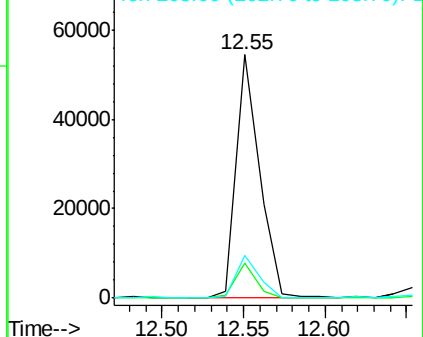


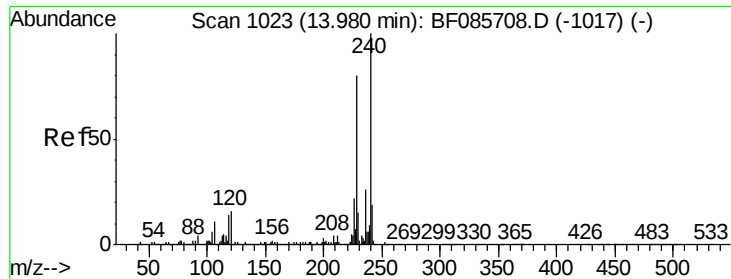
#74
Fluoranthene
Concen: 4.47 ng
RT: 12.55 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF085770.D
Acq: 25 Mar 2016 19:19

Tgt Ion:202 Resp: 54024
Ion Ratio Lower Upper
202 100
101 14.4 0.0 36.6
203 17.5 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Instrument :

BNA_F

ClientSampleId :

SB-4

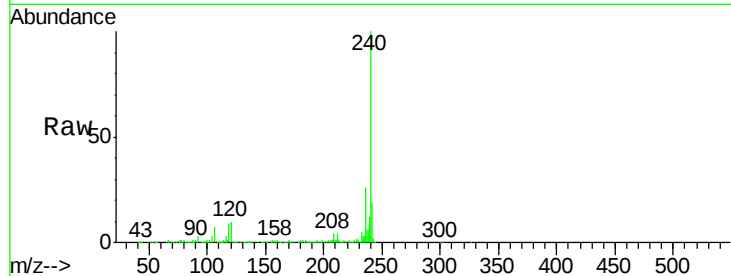
Tgt Ion:240 Resp: 232117

Ion Ratio Lower Upper

240 100

120 10.4 13.8 20.8#

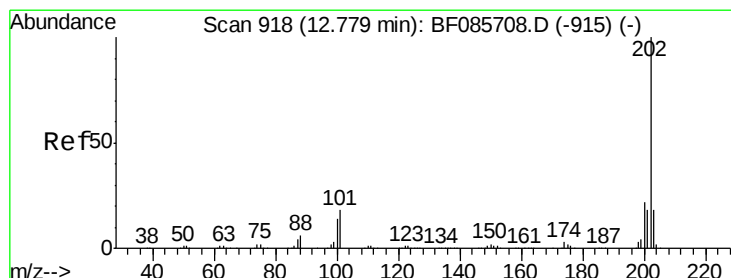
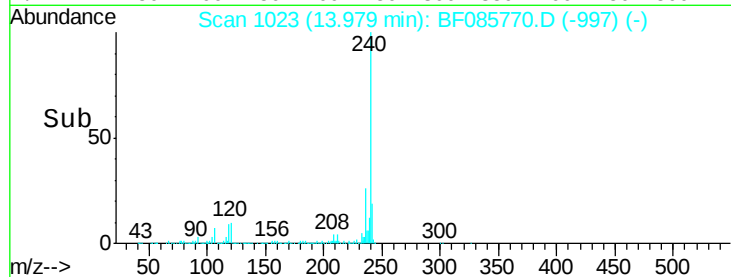
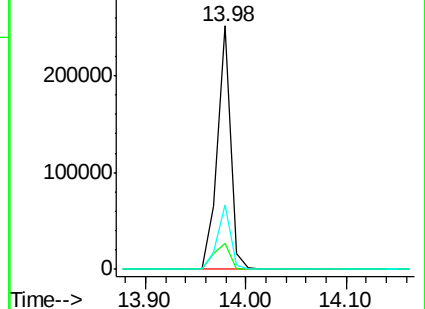
236 26.4 20.6 30.8



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



#77

Pyrene

Concen: 2.93 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

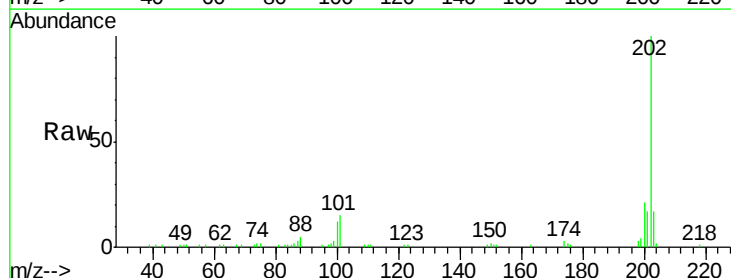
Tgt Ion:202 Resp: 55844

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

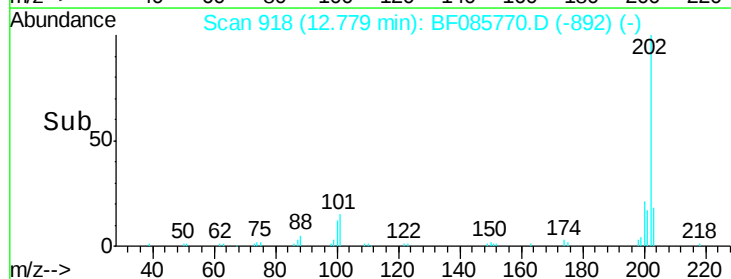
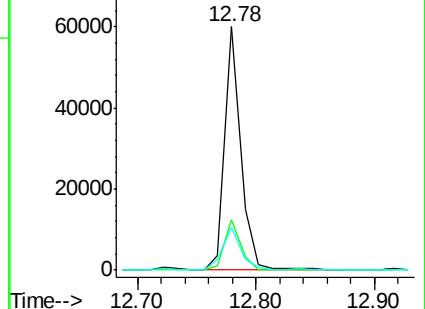
203 17.4 14.0 21.0

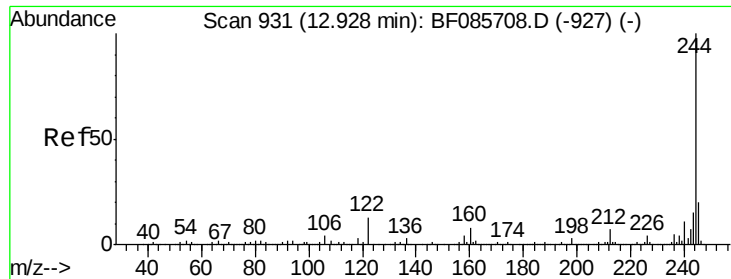


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

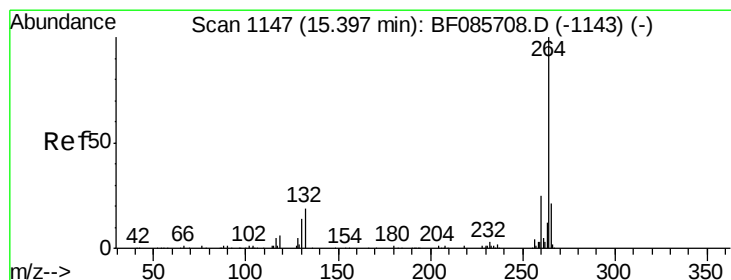
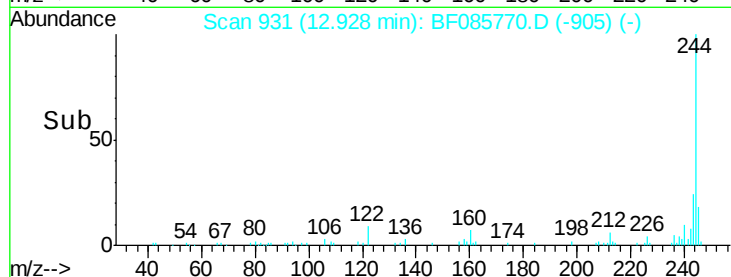
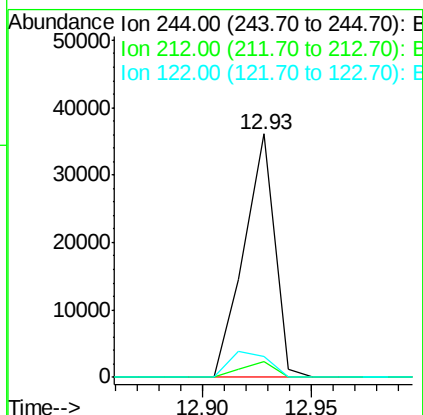
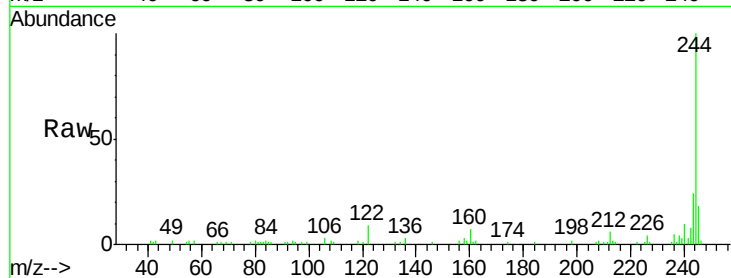




#78
 Terphenyl-d14
 Concen: 3.15 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085770.D
 Acq: 25 Mar 2016 19:19

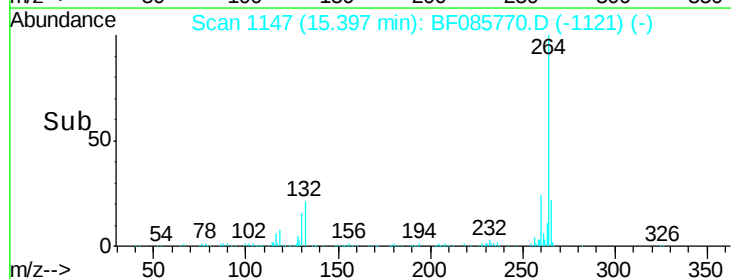
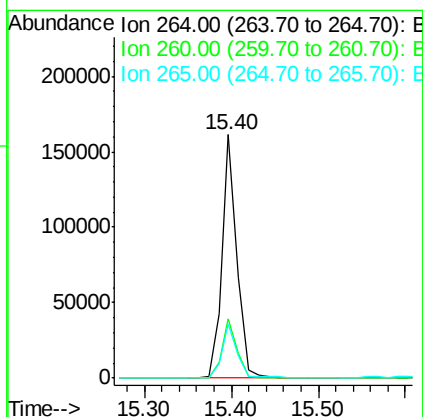
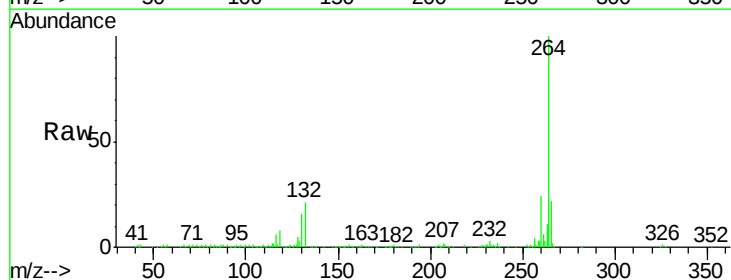
Instrument :
 BNA_F
 ClientSampleId :
 SB-4

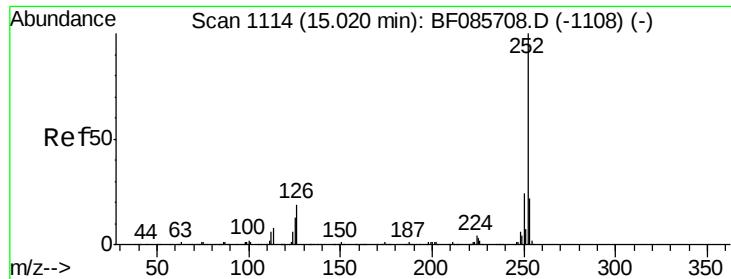
Tgt Ion:244 Resp: 35607
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 8.8 10.2 15.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085770.D
 Acq: 25 Mar 2016 19:19

Tgt Ion:264 Resp: 194025
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 22.1 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.41 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

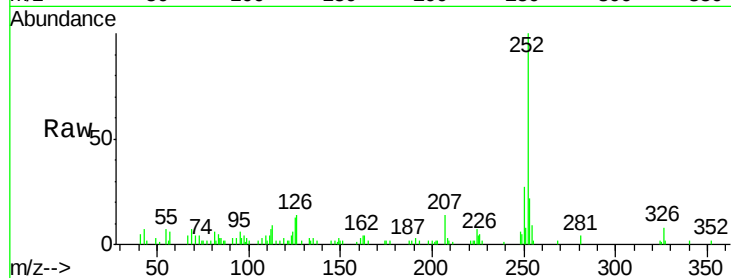
Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Instrument :
BNA_F
ClientSampleId :
SB-4

Tgt Ion:252 Resp: 41620

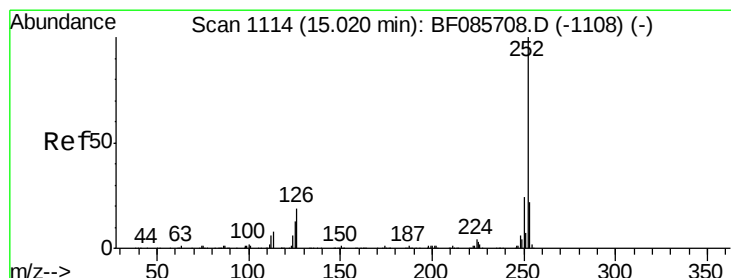
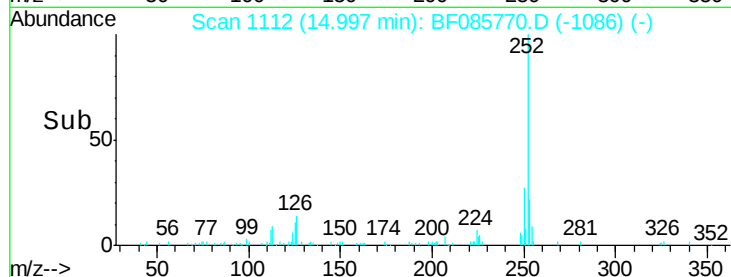
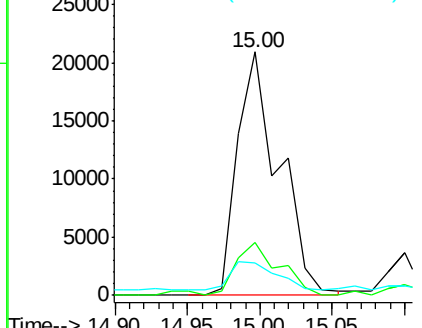
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	13.1	10.3	15.5



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



#88

Benzo(k)fluoranthene

Concen: 3.78 ng

RT: 15.00 min Scan# 1112

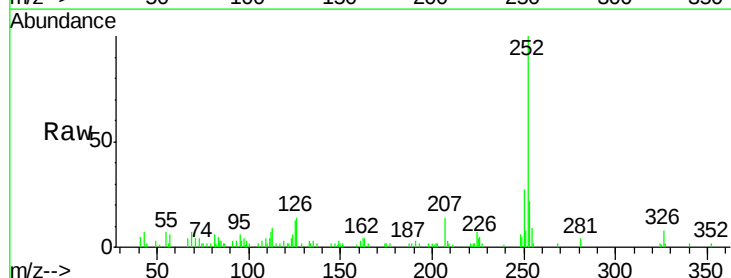
Delta R.T. -0.02 min

Lab File: BF085770.D

Acq: 25 Mar 2016 19:19

Tgt Ion:252 Resp: 41620

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	13.1	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

