

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032416\
 Data File : BF085755.D
 Acq On : 25 Mar 2016 11:20
 Operator : UM/SJ
 Sample : H1907-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 25 14:11:17 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	110563	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	393670	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	164742	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	252435	20.00	ng	0.00
75) Chrysene-d12	13.98	240	231080	20.00	ng	0.00
86) Perylene-d12	15.40	264	195284	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	720465	108.52	ng	0.02
7) Phenol-d6	6.46	99	815973	96.67	ng	0.00
23) Nitrobenzene-d5	7.40	82	545083	77.97	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	153724	98.21	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	831116	84.29	ng	0.00
78) Terphenyl-d14	12.93	244	550273	48.97	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	16204	3.19	ng	86
19) n-Nitroso-di-n-propylamine	7.40	70	69712	13.79	ng	# 74
25) Isophorone	7.40	82	530673	39.41	ng	# 68
37) 2-Methylnaphthalene	8.82	142	7110	Below Cal		96
49) Dimethylphthalate	9.58	163	187320	14.99	ng	100
55) 4-Nitrophenol	10.07	139	4944	2.46	ng	# 10
56) 2,4-Dinitrotoluene	9.86	165	21643	6.33	ng	# 37
66) 4-Bromophenyl-phenylether	10.65	248	10435	4.04	ng	# 1
70) Phenanthrene	11.37	178	167703	12.94	ng	98
71) Anthracene	11.42	178	44530	3.27	ng	98
74) Fluoranthene	12.55	202	184840	13.42	ng	98
77) Pvrene	12.78	202	164945	8.68	ng	98
80) Benzo(a)anthracene	13.97	228	88716	6.73	ng	97
82) Chrysene	14.00	228	60545	4.56	ng	97
85) Indeno(1,2,3-cd)pyrene	16.78	276	32970	3.22	ng	# 90
87) Benzo(b)fluoranthene	15.00	252	105467	8.57	ng	97
88) Benzo(k)fluoranthene	15.00	252	105467	9.51	ng	# 95
89) Benzo(a)pyrene	15.34	252	54690	5.01	ng	98
91) Benzo(a,h,i)perylene	17.20	276	28080	2.73	ng	95

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

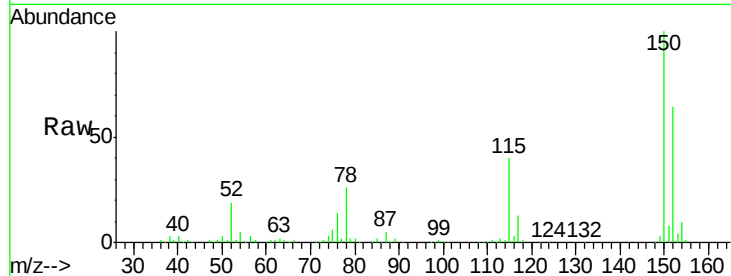


#1

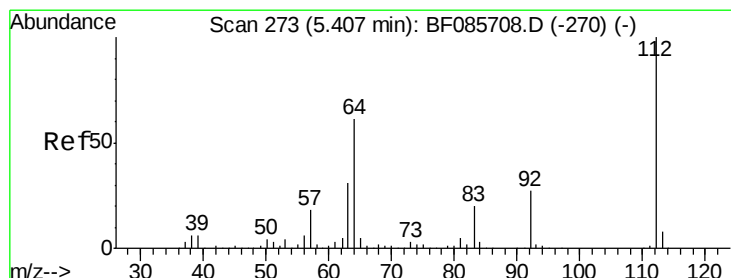
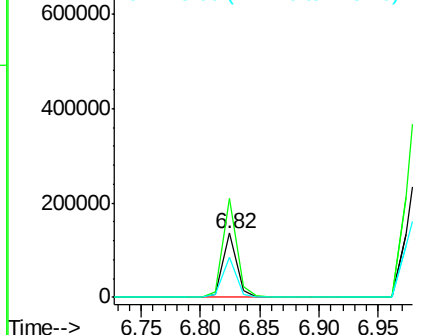
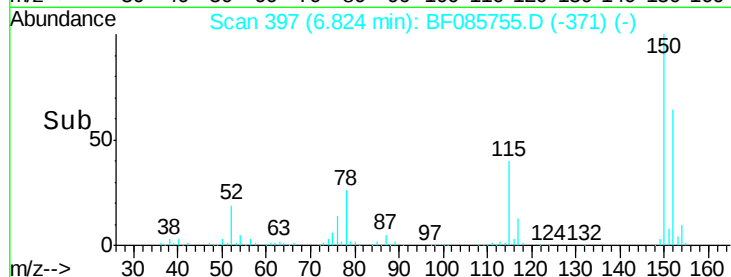
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110563
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 62.5 47.0 70.6



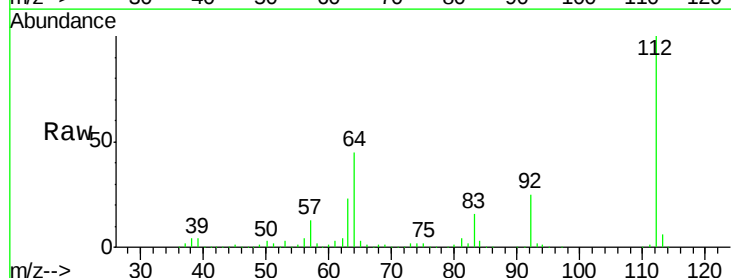
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



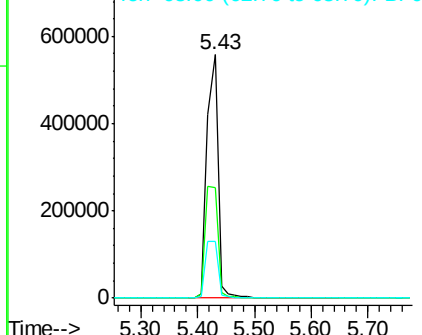
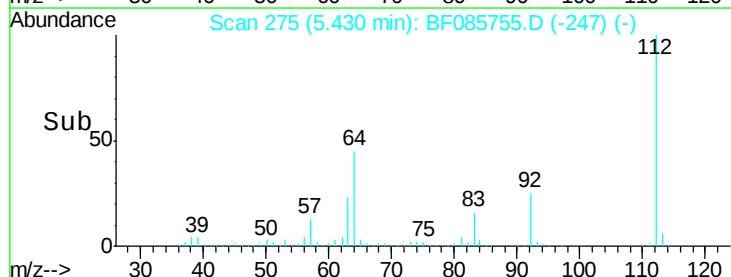
#5

2-Fluorophenol
Concen: 108.52 ng
RT: 5.43 min Scan# 275
Delta R.T. 0.02 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Tgt Ion:112 Resp: 720465
Ion Ratio Lower Upper
112 100
64 45.5 39.9 59.9
63 23.2 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: 96.67 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

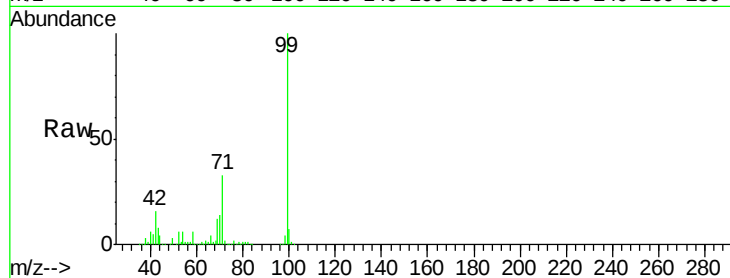
Tot Ion: 99 Resp: 815973

Ion Ratio Lower Upper

99 100

42 15.7 11.1 16.7

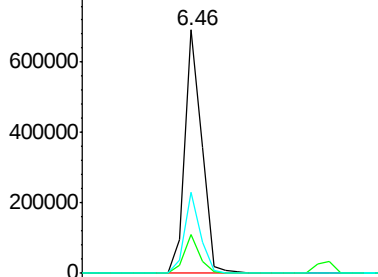
71 33.0 24.9 37.3



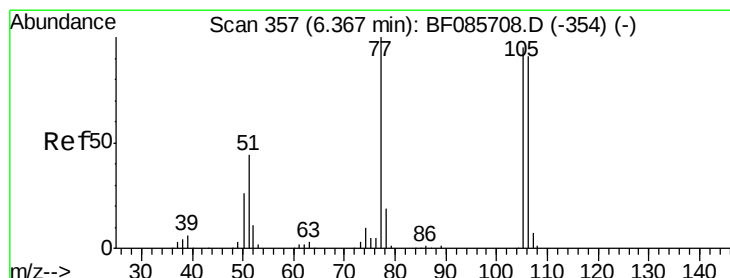
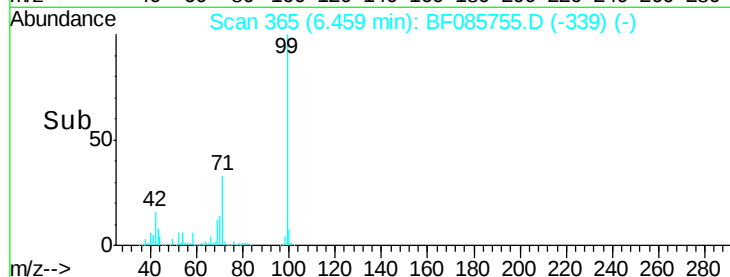
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#9

Benzaldehyde

Concen: 3.19 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

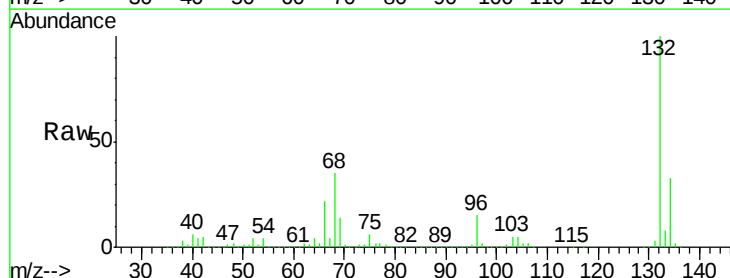
Tgt Ion: 77 Resp: 16204

Ion Ratio Lower Upper

77 100

105 86.9 80.1 120.1

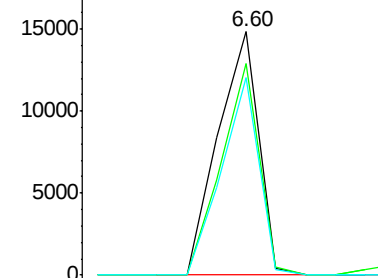
106 81.1 75.0 115.0



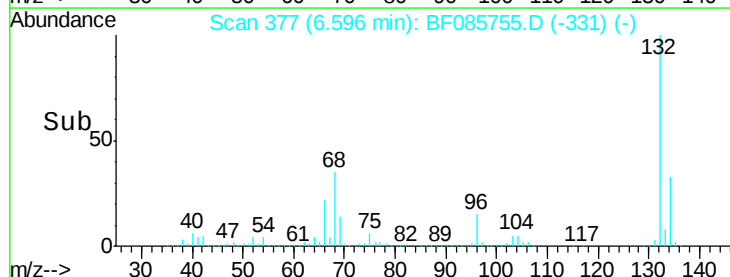
Abundance Ion 77.00 (76.70 to 77.70): BF0

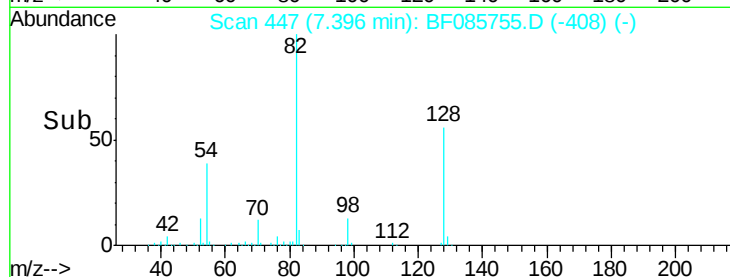
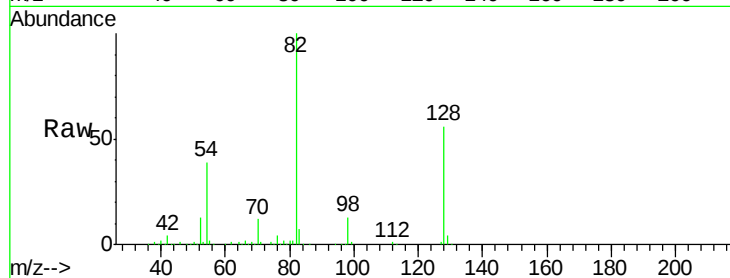
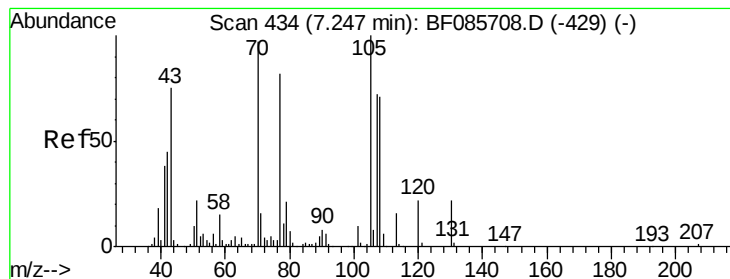
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 13.79 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 69712

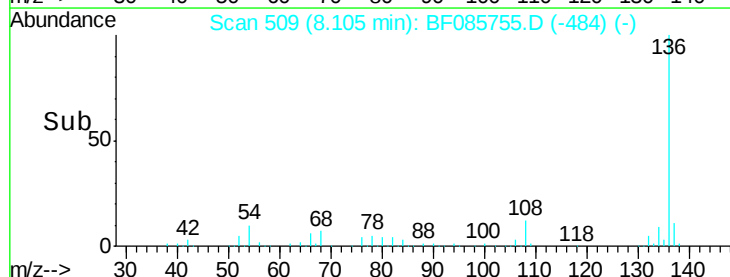
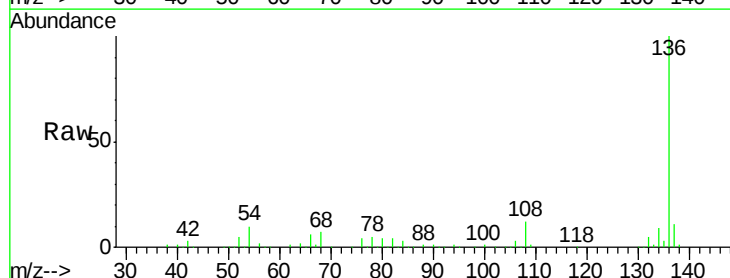
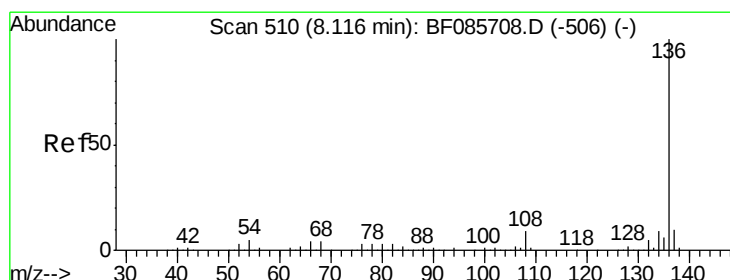
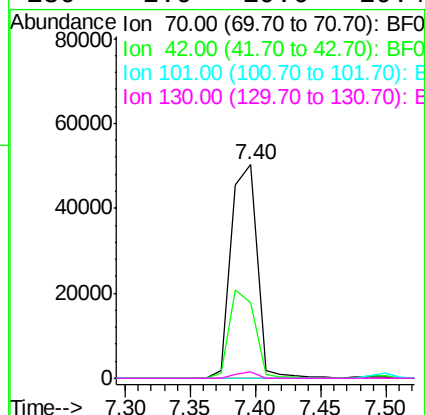
Ion Ratio Lower Upper

70 100

42 35.4 37.1 55.7#

101 0.0 8.6 12.8#

130 2.9 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Tgt Ion: 136 Resp: 393670

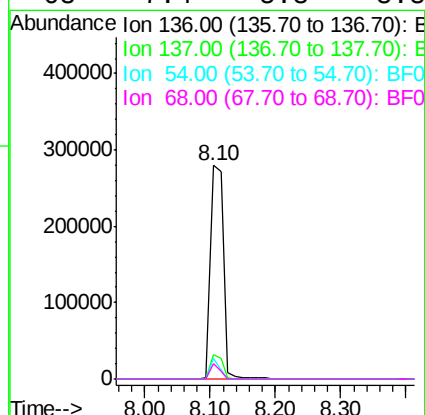
Ion Ratio Lower Upper

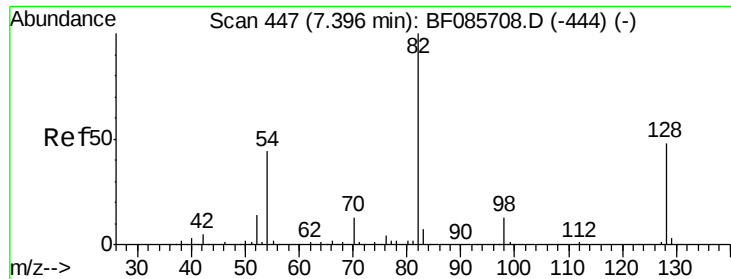
136 100

137 11.3 9.1 13.7

54 9.5 7.4 11.0

68 7.4 5.8 8.8

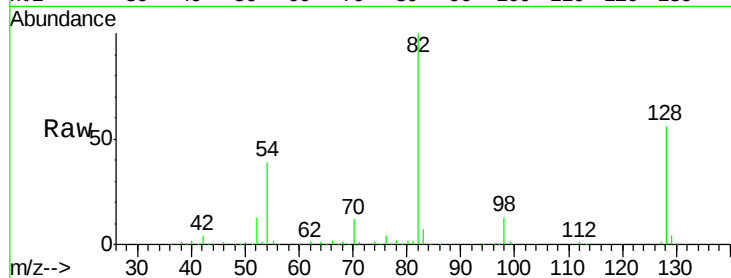




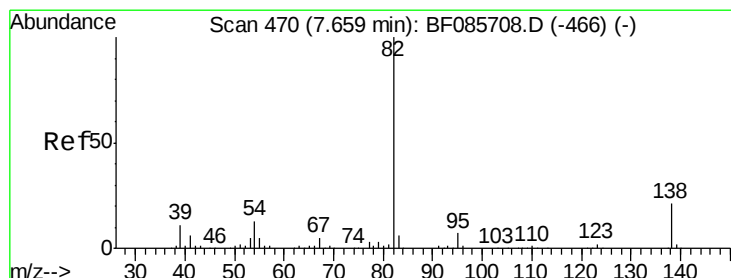
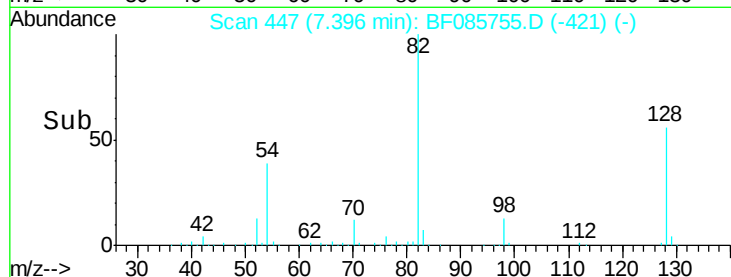
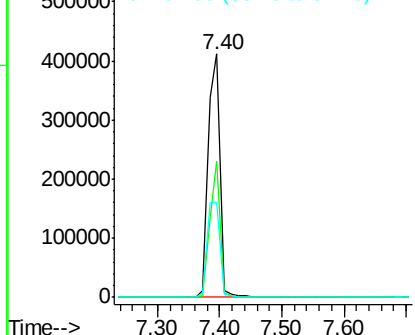
#23
Nitrobenzene-d5
Concen: 77.97 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 545083
Ion Ratio Lower Upper
82 100
128 55.7 41.8 62.8
54 39.3 33.4 50.0

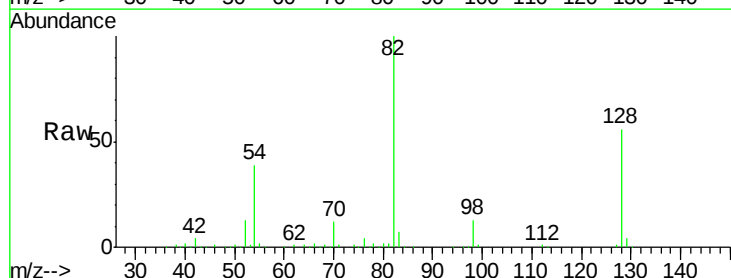


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

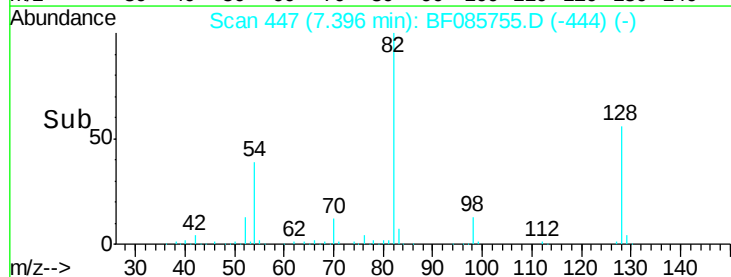
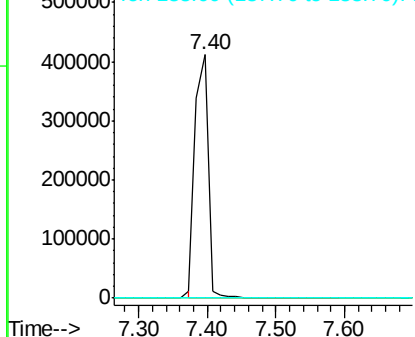


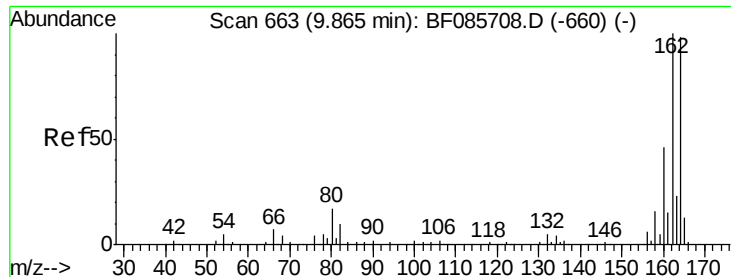
#25
Isophorone
Concen: 39.41 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.26 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Tgt Ion: 82 Resp: 530673
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

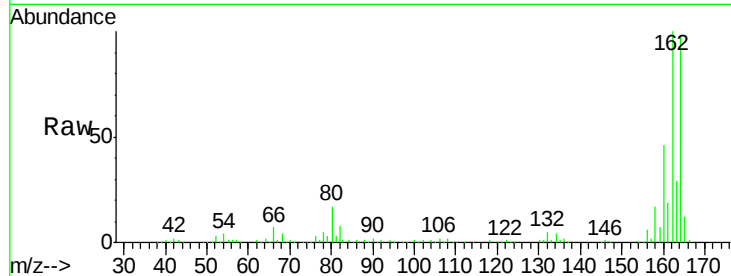




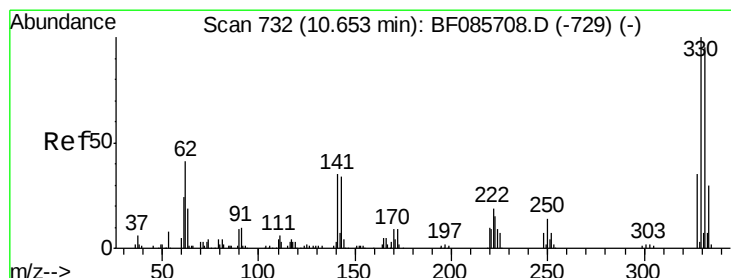
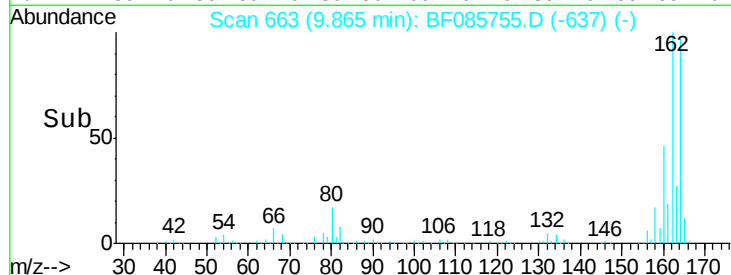
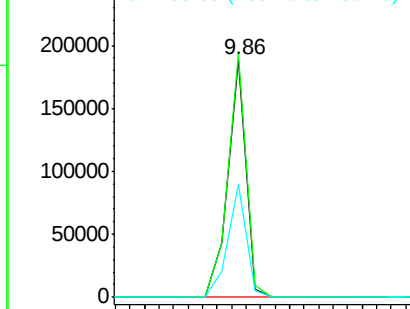
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085755.D
 Acq: 25 Mar 2016 11:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 164742
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.1 123.1
 160 47.6 37.4 56.2

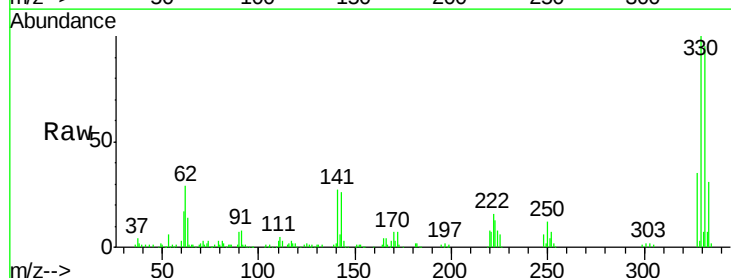


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

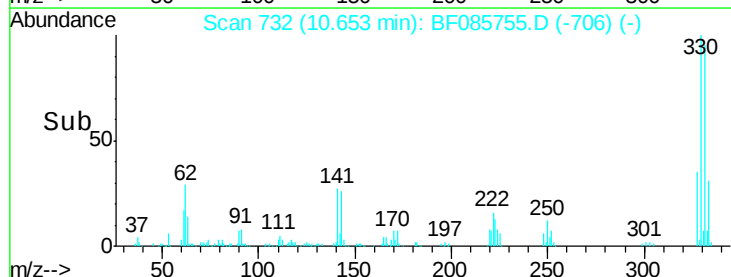
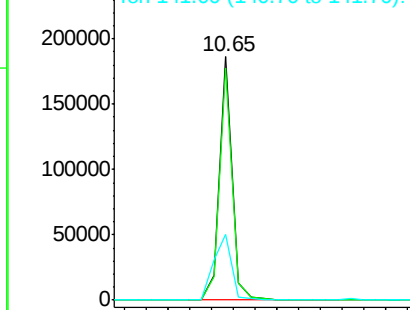


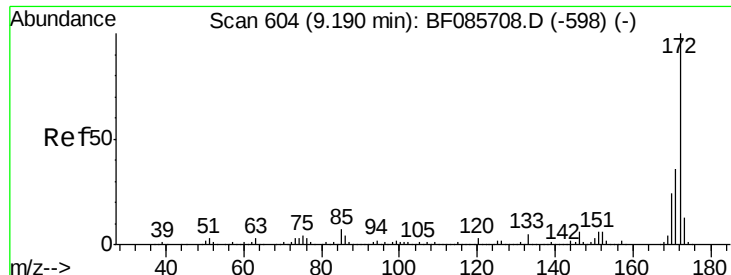
#41
 2,4,6-Tribromophenol
 Concen: 98.21 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085755.D
 Acq: 25 Mar 2016 11:20

Tgt Ion:330 Resp: 153724
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.2 117.2
 141 38.5 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

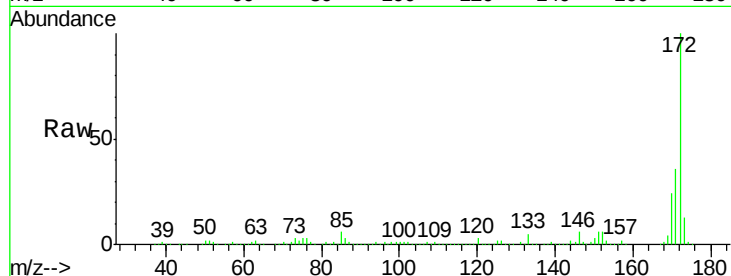




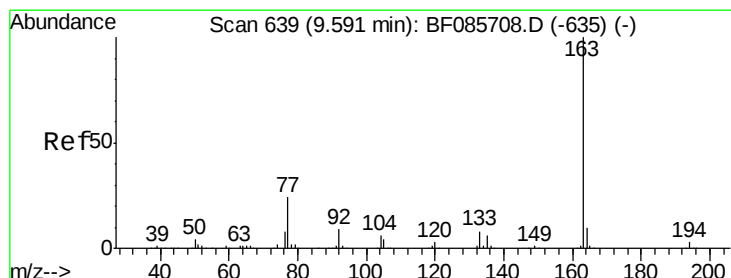
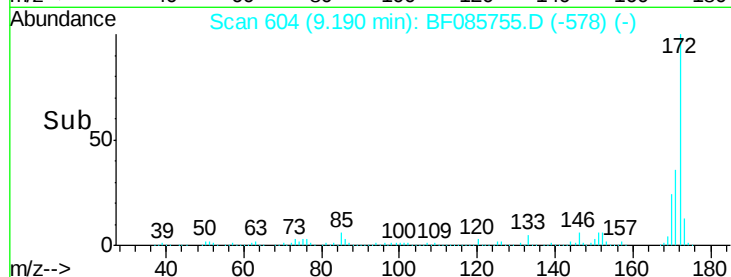
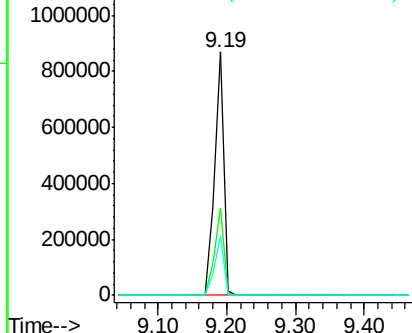
#44
2-Fluorobiphenyl
Concen: 84.29 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 831116
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.2
170 24.3 19.8 29.6

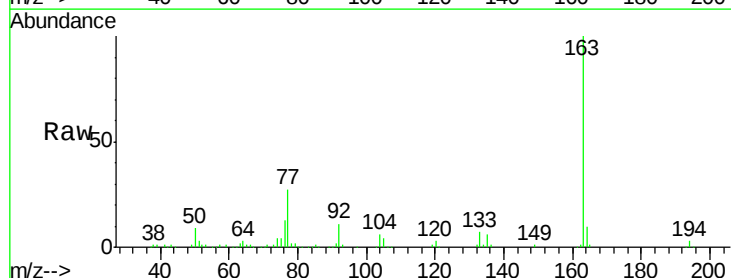


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

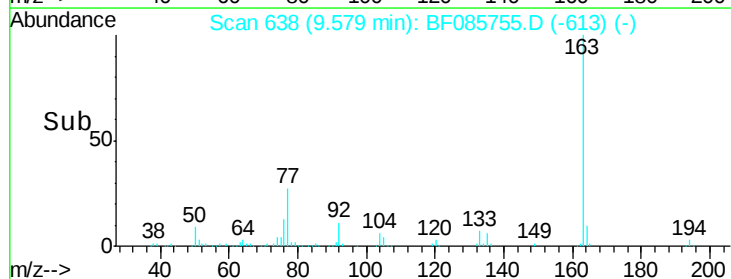
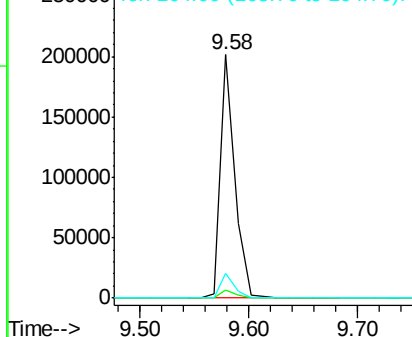


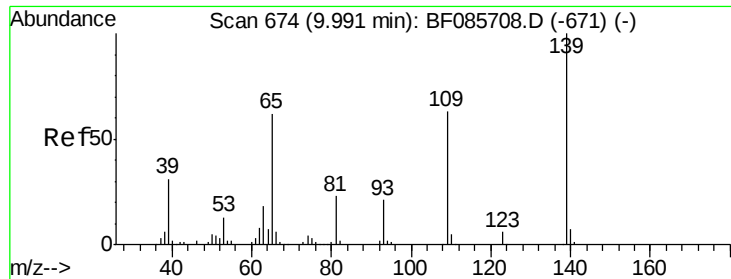
#49
Dimethylphthalate
Concen: 14.99 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Tgt Ion:163 Resp: 187320
Ion Ratio Lower Upper
163 100
194 3.2 2.9 4.3
164 10.3 8.3 12.5



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





#55

4-Nitrophenol

Concen: 2.46 ng

RT: 10.07 min Scan# 681

Delta R.T. 0.08 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

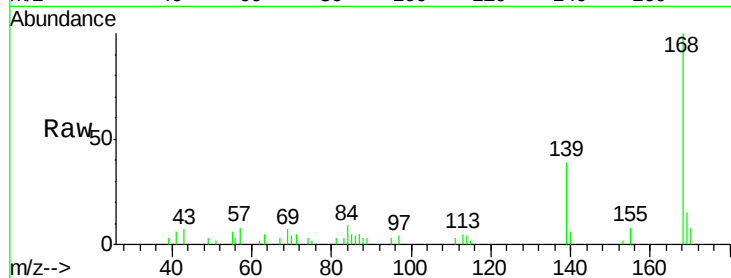
Tot Ion:139 Resp: 4944

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

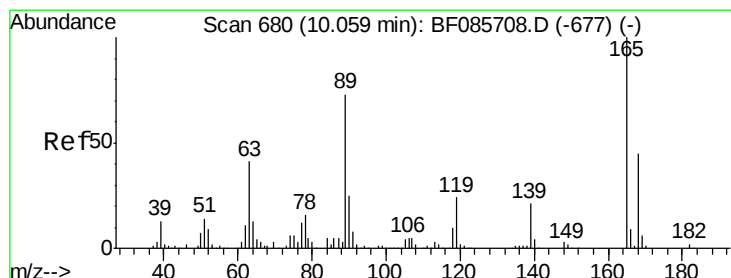
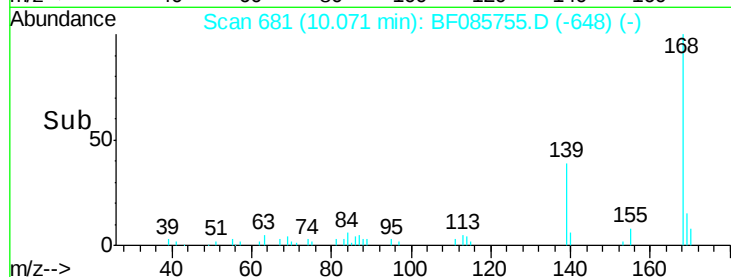
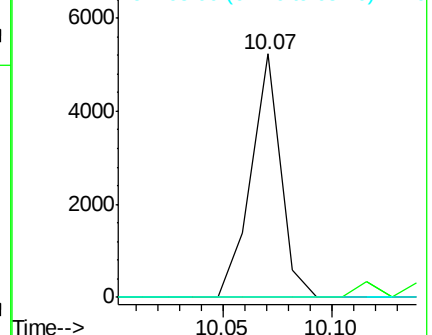
65 0.0 66.9 106.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.33 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Tgt Ion:165 Resp: 21643

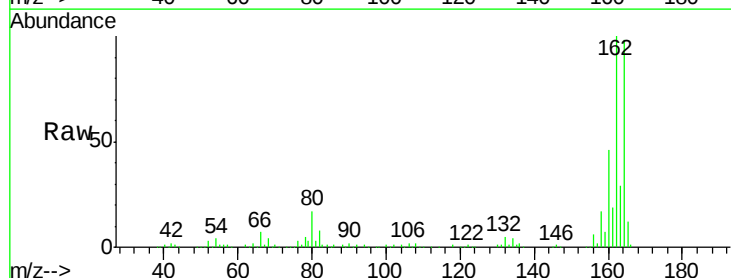
Ion Ratio Lower Upper

165 100

63 1.4 24.9 37.3#

89 1.9 41.0 61.6#

182 0.0 2.1 3.1#

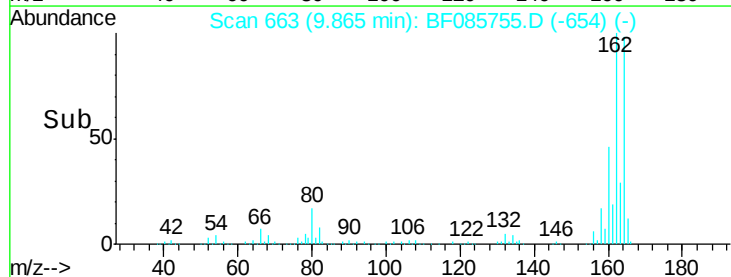
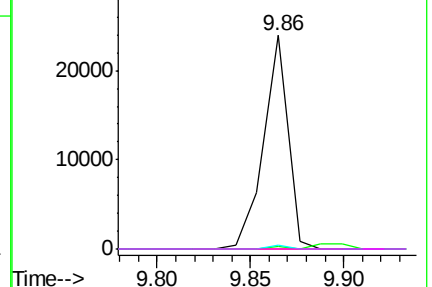


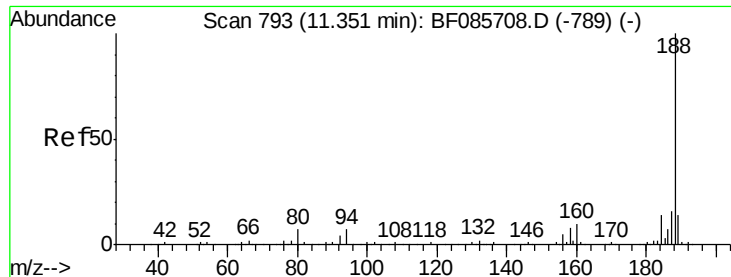
Abundance Ion 165.00 (164.70 to 165.70): E

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

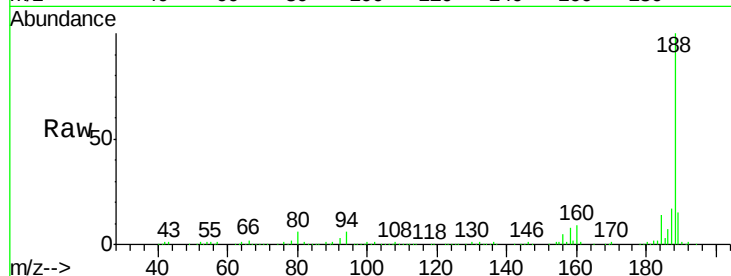




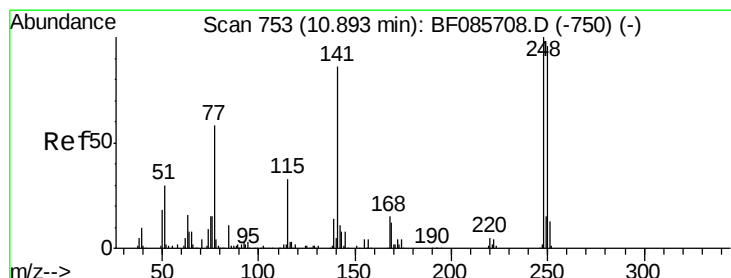
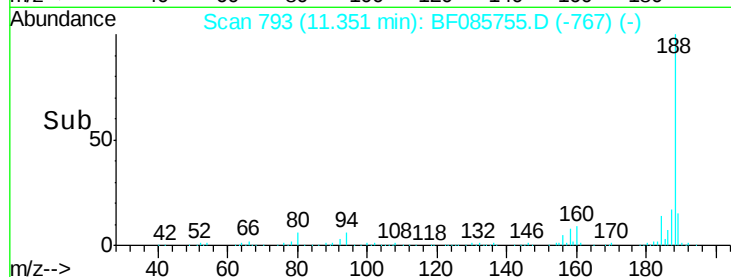
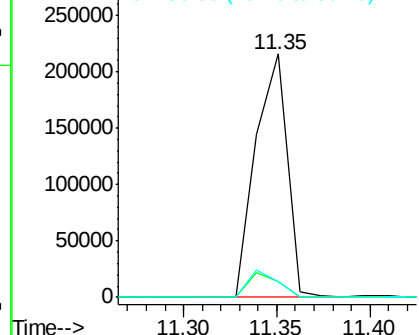
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.4	8.0
80	6.3	5.5	8.3

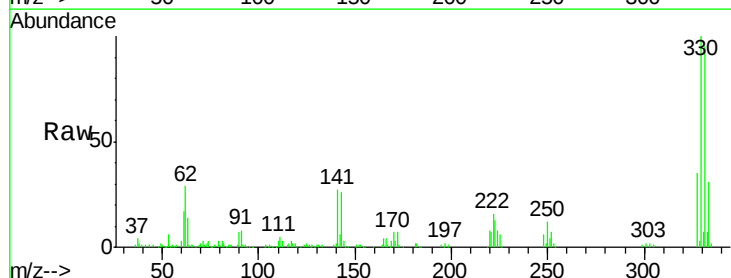


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

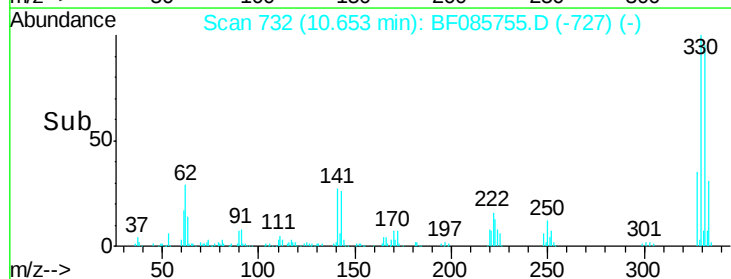
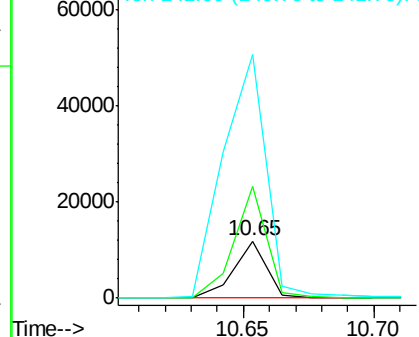


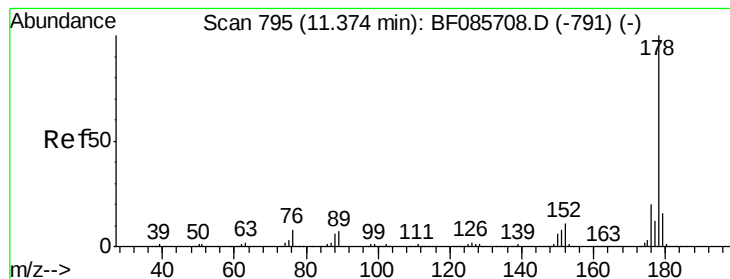
#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.24 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.5	77.4	116.0#
141	426.0	63.6	95.4#



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





#70

Phenanthrene

Concen: 12.94 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

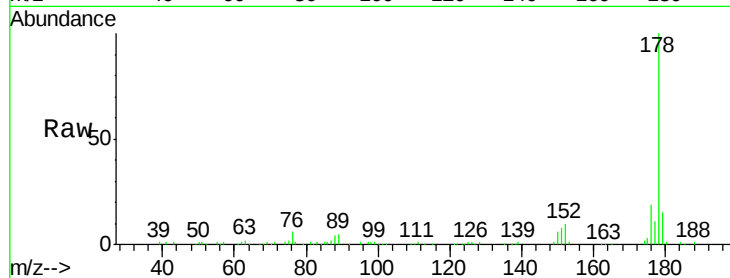
Tot Ion:178 Resp: 167703

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

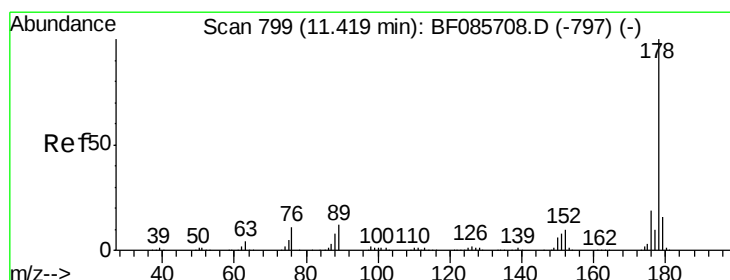
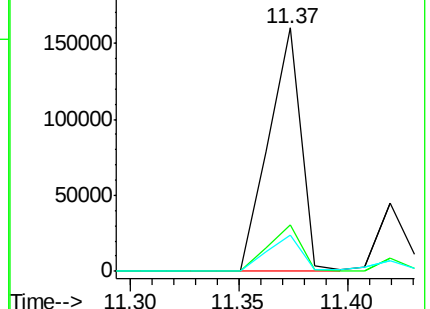
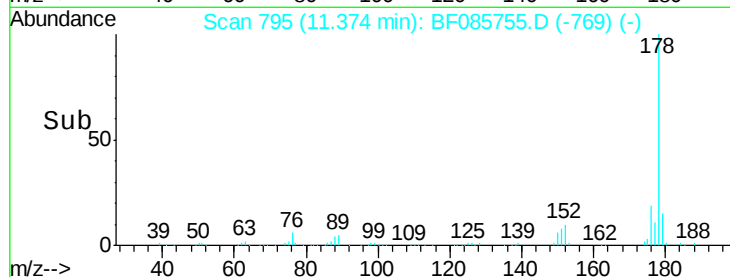
179 15.0 12.6 18.8



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



#71

Anthracene

Concen: 3.27 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

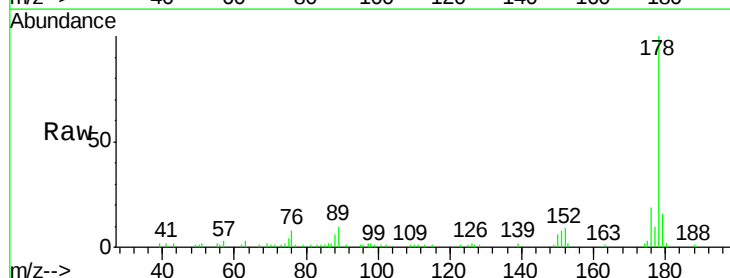
Tgt Ion:178 Resp: 44530

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

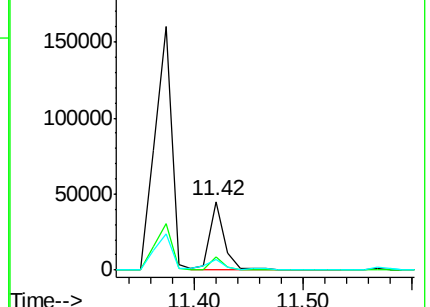
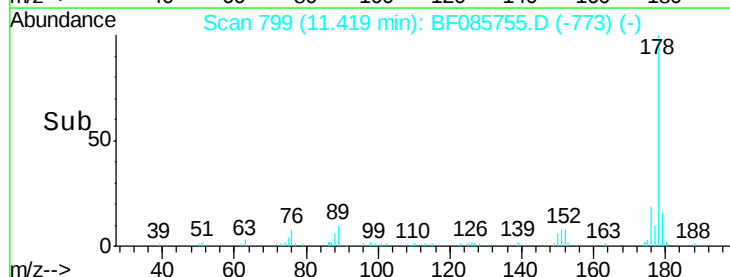
179 15.8 13.0 19.4

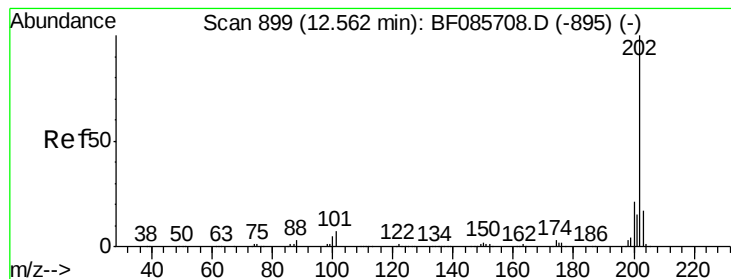


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.42 ng

RT: 12.55 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

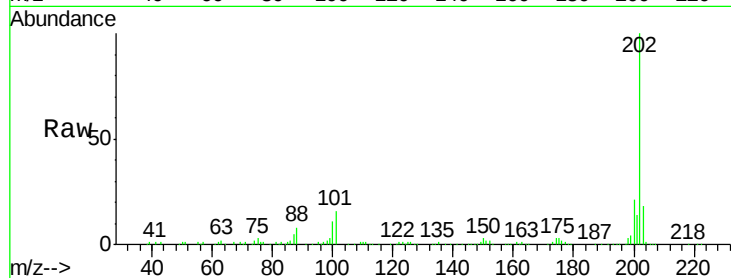
Tot Ion:202 Resp: 184840

Ion Ratio Lower Upper

202 100

101 15.5 0.0 36.6

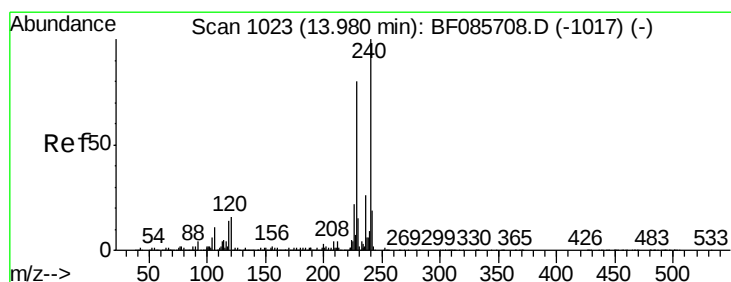
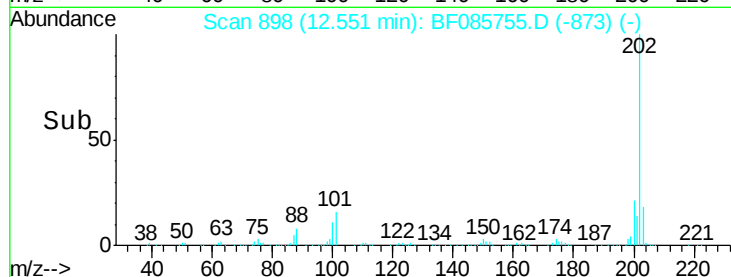
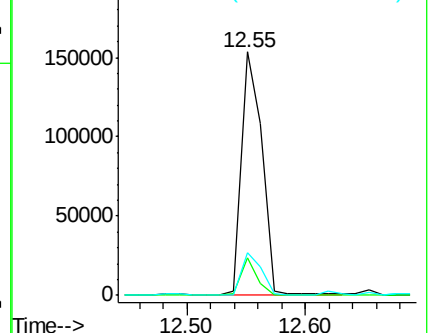
203 17.7 0.0 38.1



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: BF085755.D

Acq: 25 Mar 2016 11:20

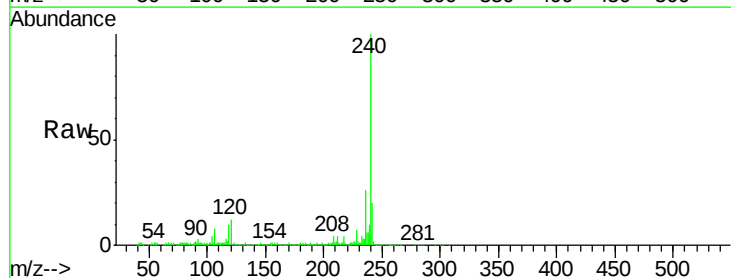
Tgt Ion:240 Resp: 231080

Ion Ratio Lower Upper

240 100

120 12.0 13.8 20.8#

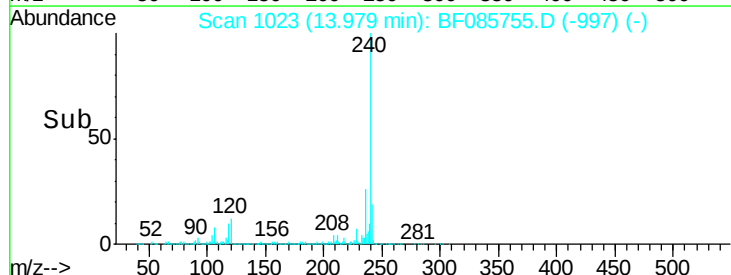
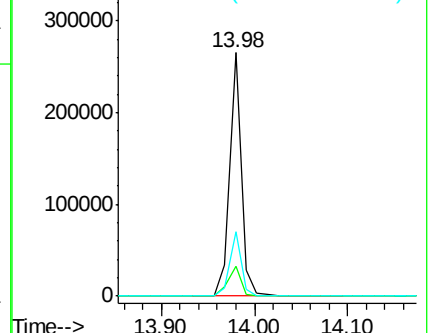
236 26.4 20.6 30.8

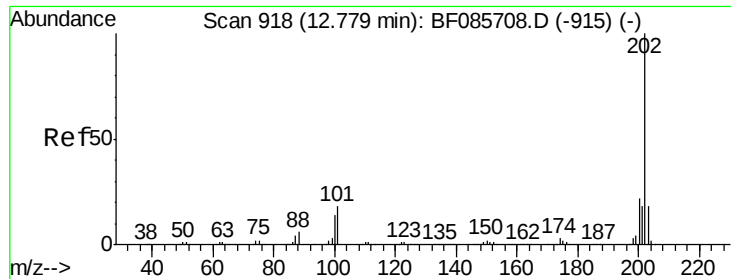


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

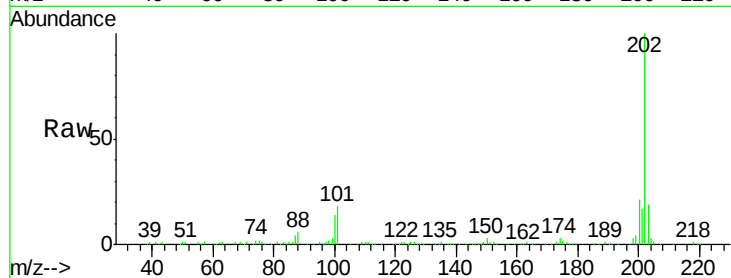




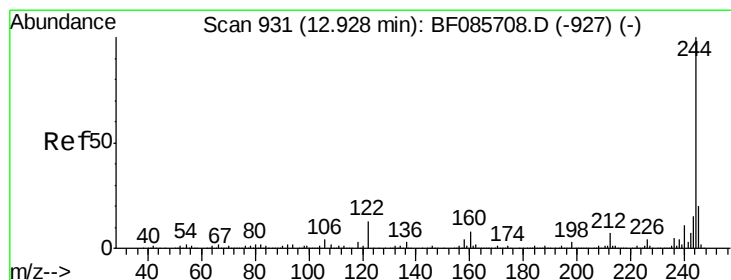
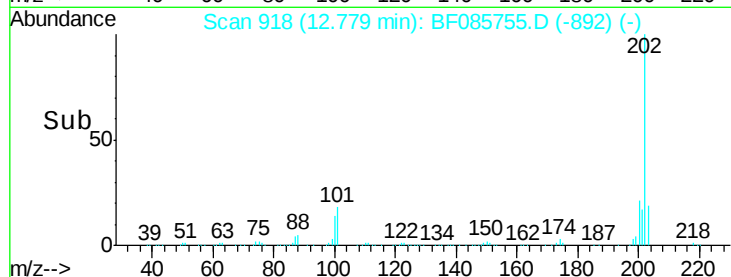
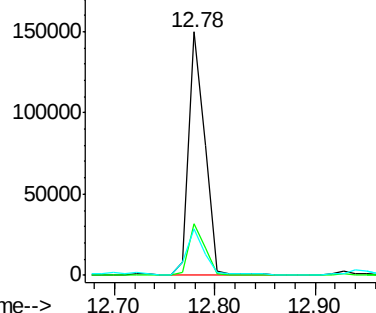
#77
Pvrene
Concen: 8.68 ng
RT: 12.78 min Scan# 918
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	18.9	14.0	21.0

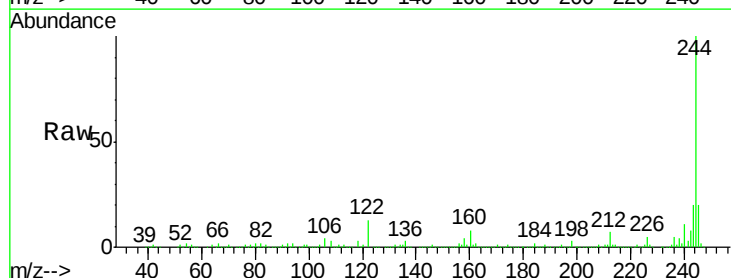


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

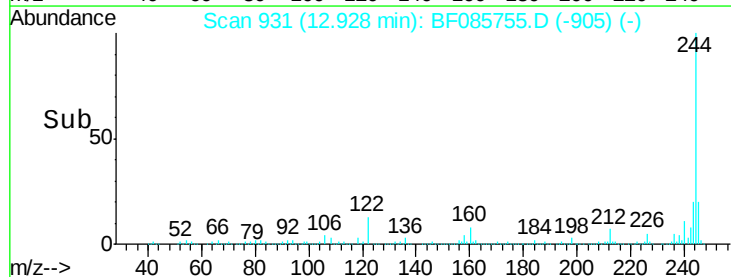
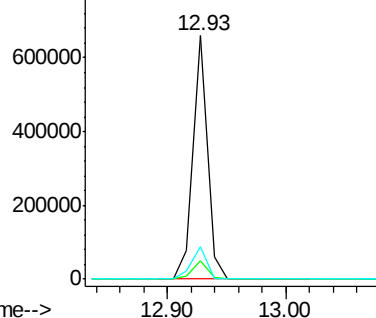


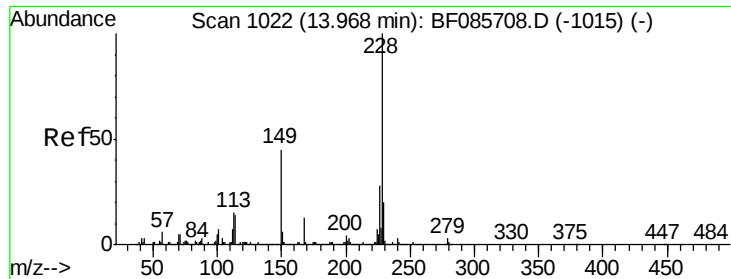
#78
Terphenyl-d14
Concen: 48.97 ng
RT: 12.93 min Scan# 931
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	13.4	10.2	15.4



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





#80

Benzo(a)anthracene

Concen: 6.73 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

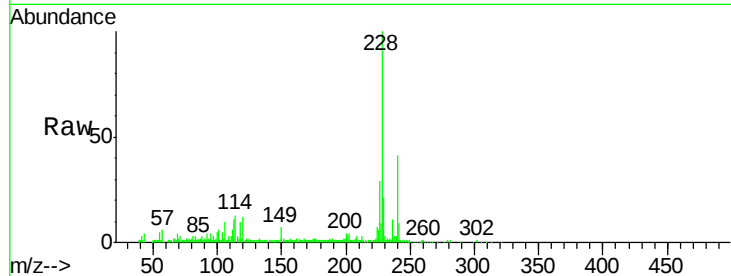
Tot Ion:228 Resp: 88716

Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

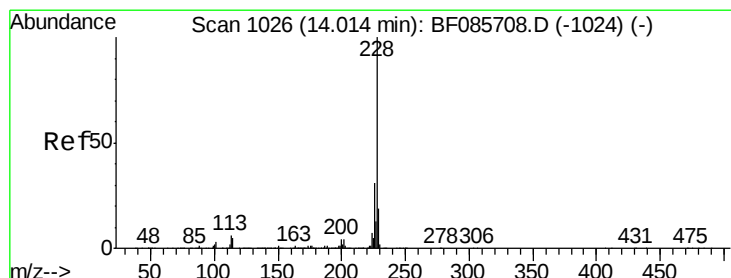
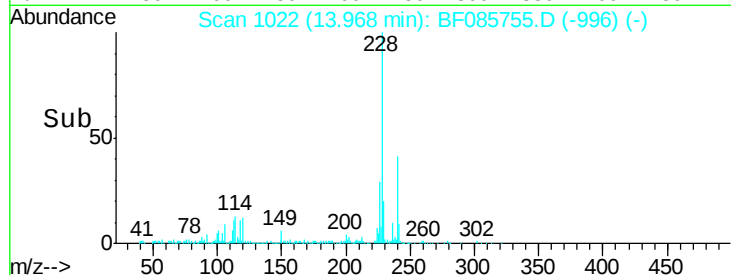
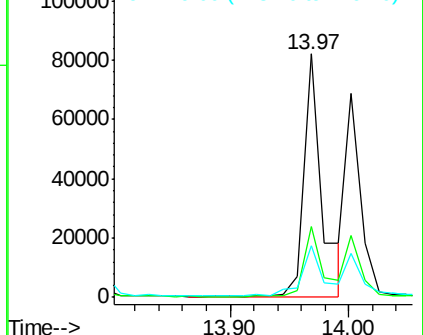
229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.56 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

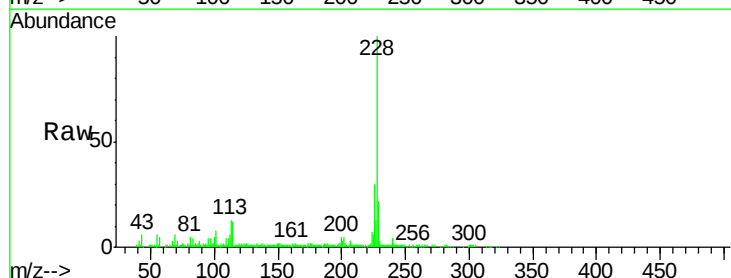
Tgt Ion:228 Resp: 60545

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

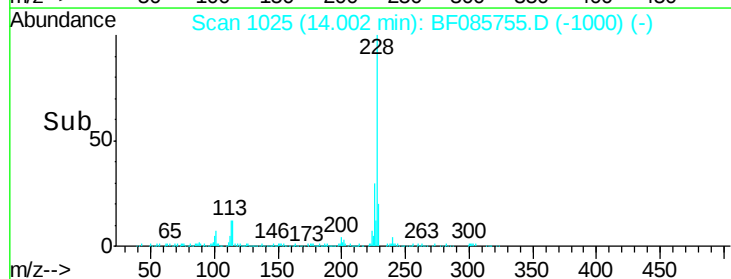
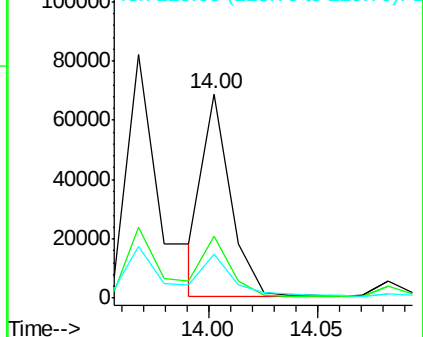
229 21.7 15.7 23.5

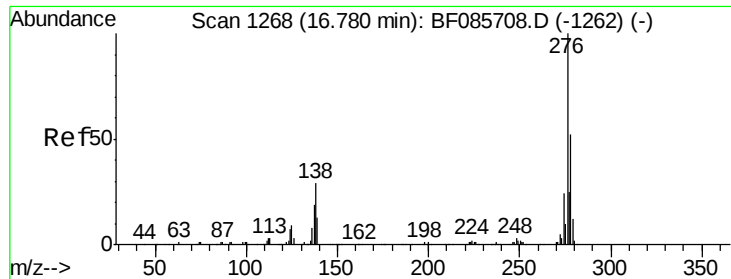


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

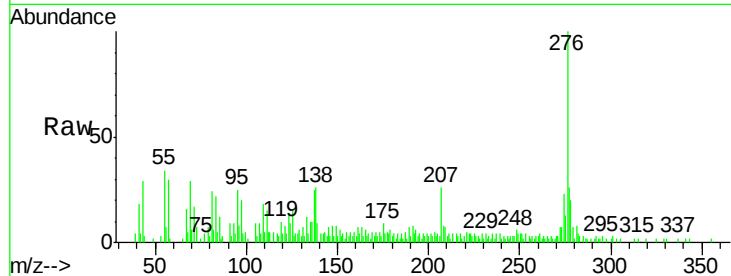




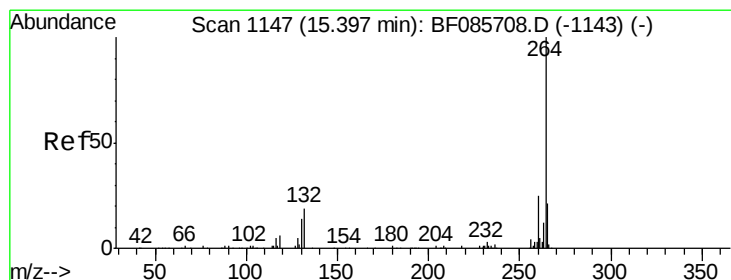
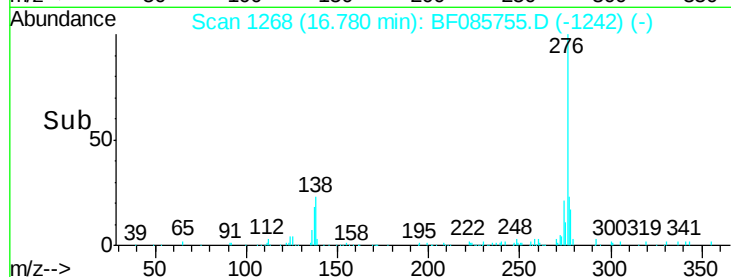
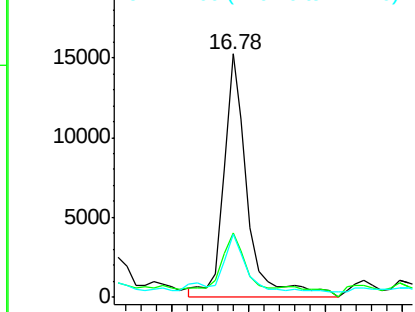
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.22 ng
 RT: 16.78 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF085755.D
 Acq: 25 Mar 2016 11:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 32970
 Ion Ratio Lower Upper
 276 100
 138 20.1 24.2 36.4#
 277 25.0 20.0 30.0

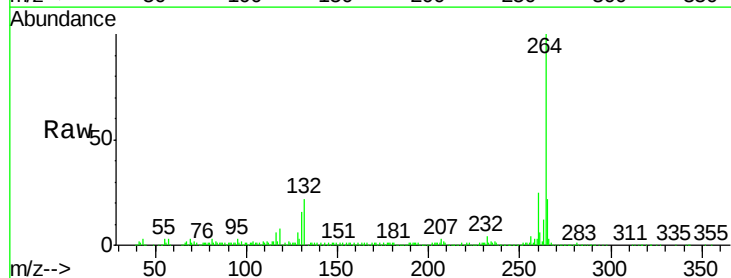


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

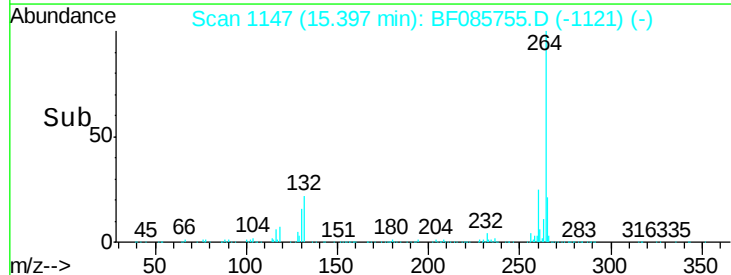
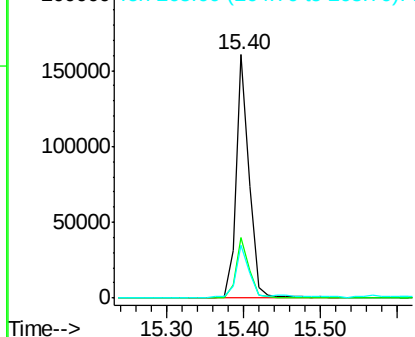


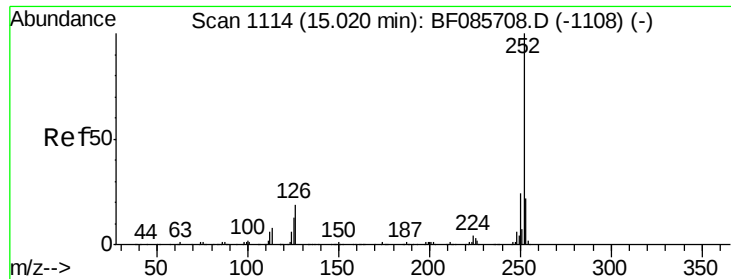
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085755.D
 Acq: 25 Mar 2016 11:20

Tgt Ion:264 Resp: 195284
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.2
 265 21.7 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 8.57 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085755.D

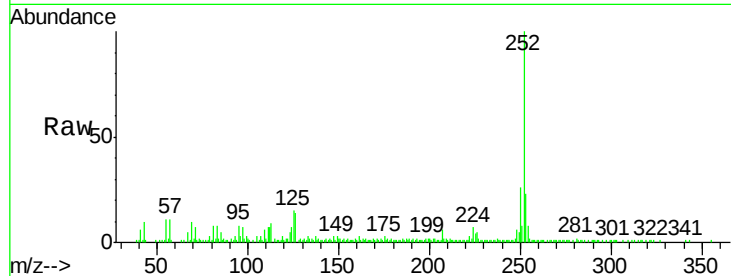
Acq: 25 Mar 2016 11:20

Instrument :

BNA_F

ClientSampleId :

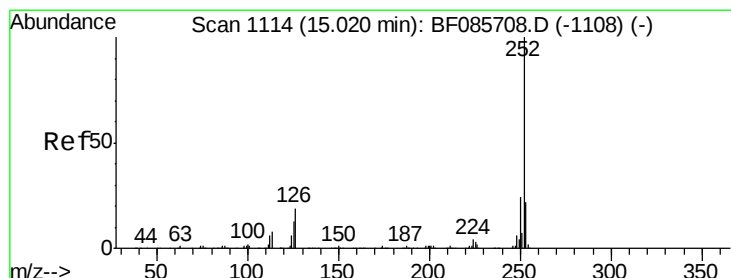
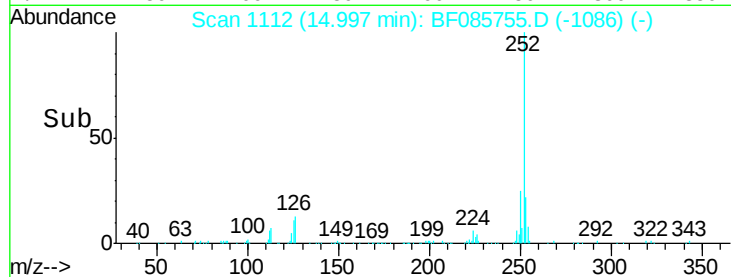
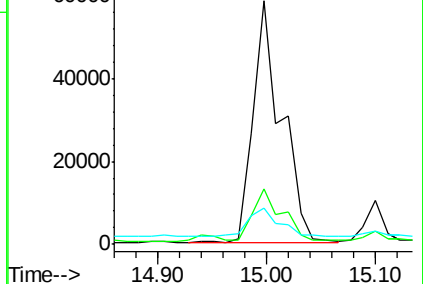
Tot Ion:252	Resp:	105467
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.6 26.4
125	14.6	10.3 15.5



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: 9.51 ng

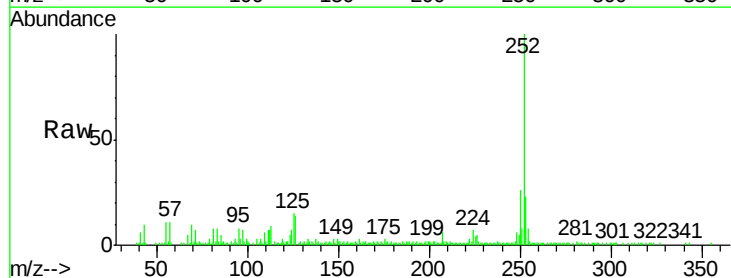
RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

Lab File: BF085755.D

Acq: 25 Mar 2016 11:20

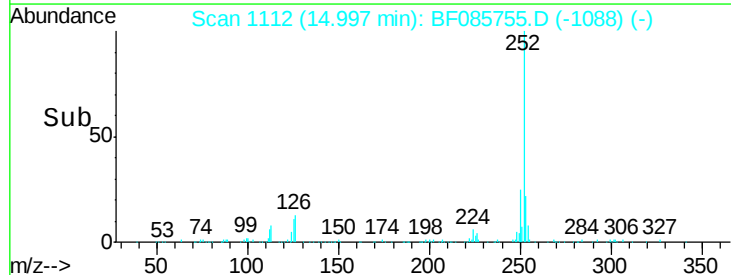
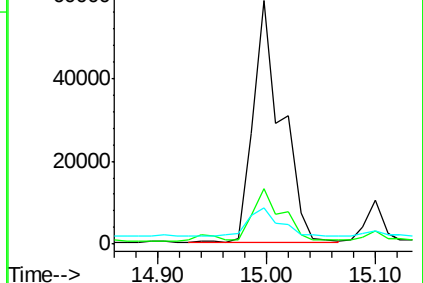
Tgt Ion:252	Resp:	105467
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.8 26.6
125	14.6	7.7 11.5#

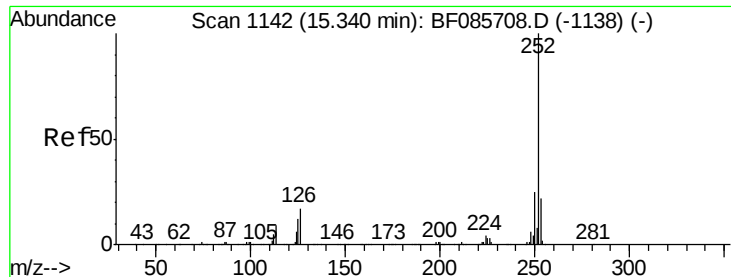


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

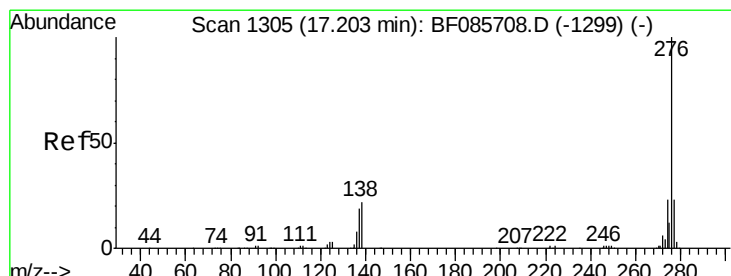
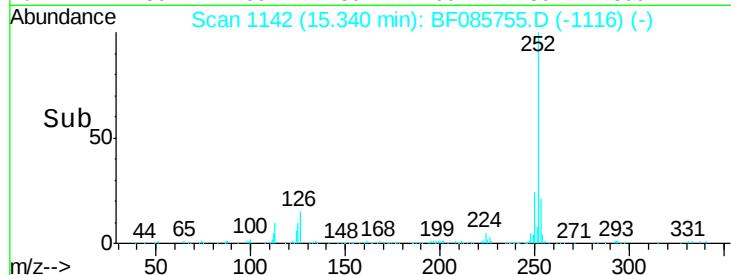
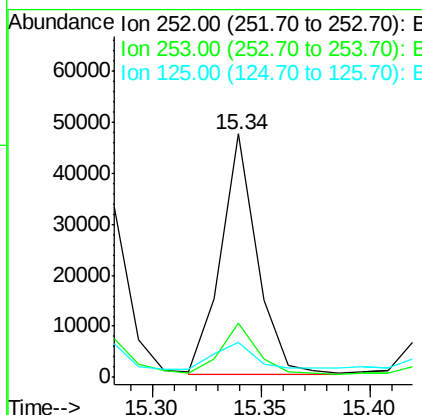
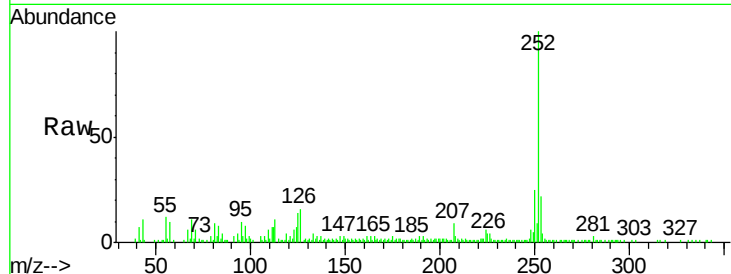




#89
Benzo(a)pyrene
Concen: 5.01 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	14.4	10.3	15.5



#91
Benzo(g,h,i)perylene
Concen: 2.73 ng
RT: 17.20 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF085755.D
Acq: 25 Mar 2016 11:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.8	28.2
138	25.6	22.6	34.0

