

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032816\
 Data File : BF085845.D
 Acq On : 29 Mar 2016 11:43
 Operator : UM/SJ
 Sample : H1834-12
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 12:59:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	117761	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	361925	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	165203	20.00	ng	0.01
63) Phenanthrene-d10	11.36	188	292328	20.00	ng	0.01
75) Chrysene-d12	13.98	240	231669	20.00	ng	0.00
86) Perylene-d12	15.40	264	239689	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	874925	123.74	ng	0.01
7) Phenol-d6	6.46	99	1041352	115.83	ng	0.00
23) Nitrobenzene-d5	7.38	82	695817	108.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	188942	120.37	ng	0.01
44) 2-Fluorobiphenyl	9.19	172	904603	91.49	ng	0.00
78) Terphenyl-d14	12.93	244	718826	63.81	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.34	77	13153	2.43	ng	# 14
15) Benzyl Alcohol	6.97	79	22232	3.71	ng	# 47
18) Hexachloroethane	7.29	117	74265	22.61	ng	# 1
19) n-Nitroso-di-n-propylamine	7.17	70	42335	7.86	ng	# 25
22) Acetophenone	7.21	105	49349	5.85	ng	# 1
24) Nitrobenzene	7.36	77	94676	14.29	ng	# 30
25) Isophorone	7.64	82	102206	8.26	ng	# 1
26) 2-Nitrophenol	7.74	139	11300	3.41	ng	# 1
27) 2,4-Dimethylphenol	7.76	122	12874	2.22	ng	# 1
28) bis(2-Chloroethoxy)methane	7.89	93	22411	3.18	ng	# 1
31) Naphthalene	8.16	128	92582	5.08	ng	# 1
32) Benzoic acid	7.90	122	9382	2.44	ng	# 18
33) 4-Chloroaniline	8.16	127	26270	3.53	ng	# 1
35) Caprolactam	8.55	113	156617	90.78	ng	# 79
36) 4-Chloro-3-methylphenol	8.64	107	17251	3.03	ng	# 39
37) 2-Methylnaphthalene	8.82	142	163731	12.51	ng	# 90
42) 2,4,6-Trichlorophenol	9.11	196	6704	2.03	ng	# 13
45) 1,1'-Biphenyl	9.29	154	30922	2.22	ng	# 90
49) Dimethylphthalate	9.59	163	110292	8.80	ng	# 53
50) 2,6-Dinitrotoluene	9.65	165	20992	7.78	ng	# 48
51) Acenaphthene	9.90	154	70385	6.90	ng	# 82
52) 3-Nitroaniline	9.82	138	10153	3.29	ng	# 27
53) 2,4-Dinitrophenol	9.91	184	1073	6.77	ng	# 1
54) Dibenzofuran	10.08	168	32477	2.46	ng	# 1
55) 4-Nitrophenol	9.98	139	66404	33.01	ng	# 51
56) 2,4-Dinitrotoluene	10.08	165	27061	7.89	ng	# 67
57) Fluorene	10.42	166	113686	10.36	ng	# 84
61) 4-Nitroaniline	10.29	138	7691	2.60	ng	# 84
62) Azobenzene	10.58	77	31076	2.61	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.52	198	4588	2.68	ng	# 1
65) n-Nitrosodiphenylamine	10.53	169	353959	38.23	ng	# 50
68) Atrazine	11.08	200	12272	3.93	ng	# 1
69) Pentachlorophenol	11.19	266	3932	2.56	ng	# 16
70) Phenanthrene	11.38	178	405356	27.01	ng	# 93

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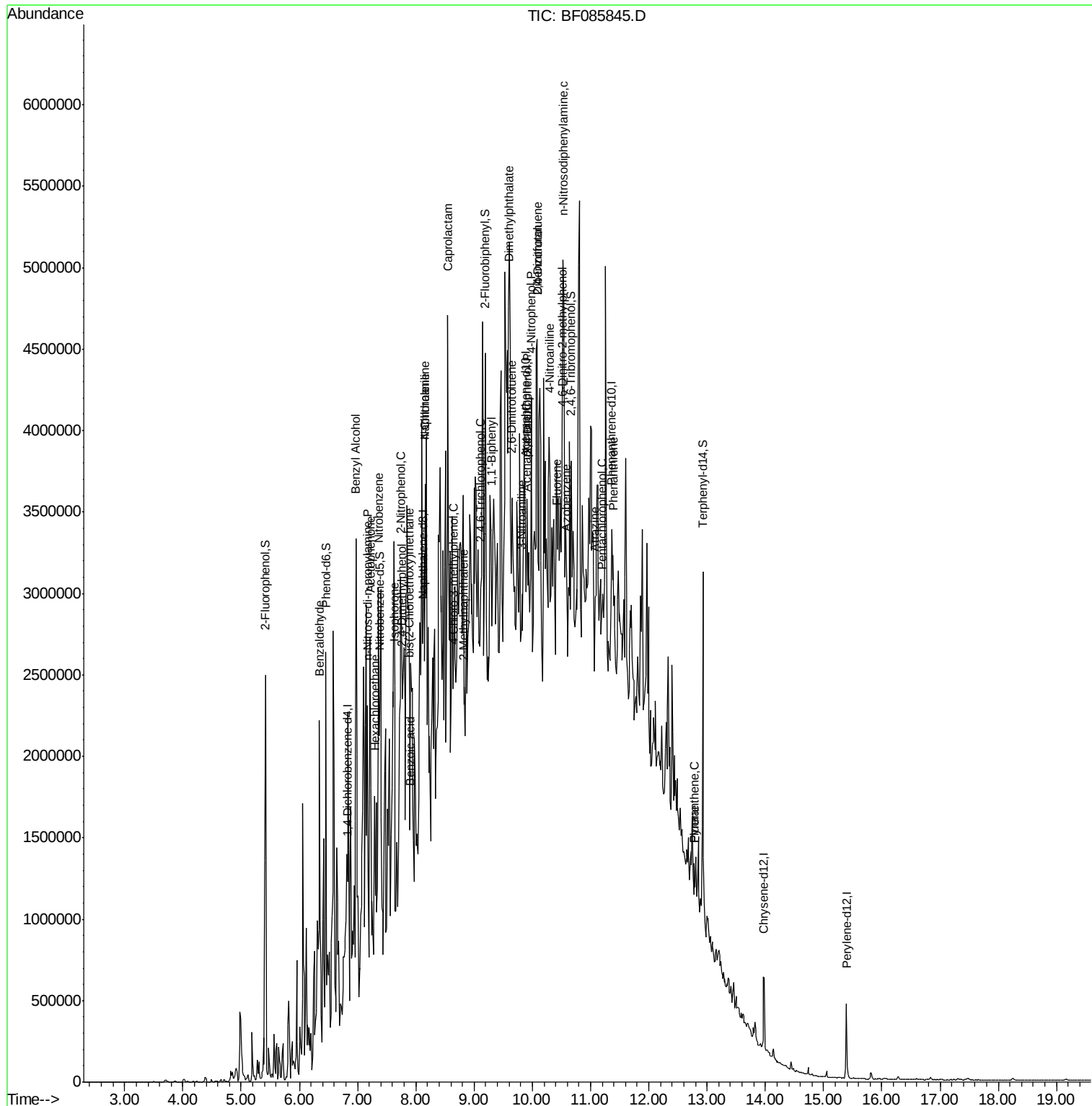
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.79	202	95970	6.02	nq	88
77) Pyrene	12.79	202	95970	5.04	nq #	91

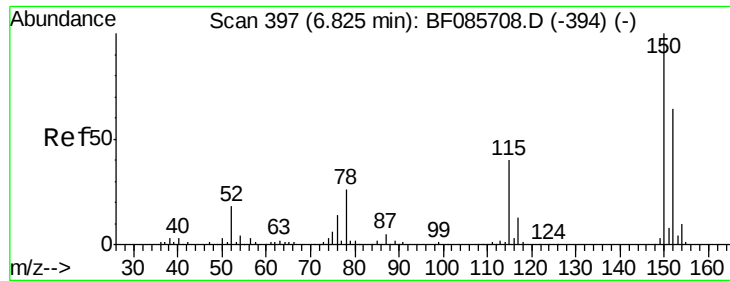
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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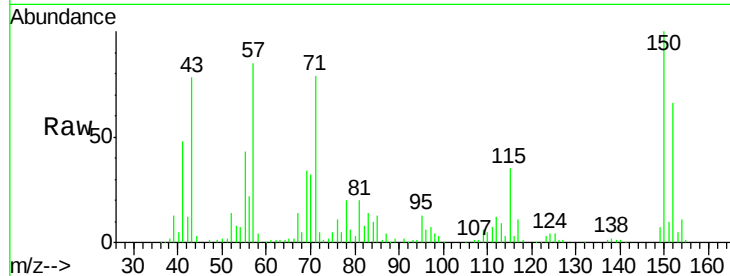


#1

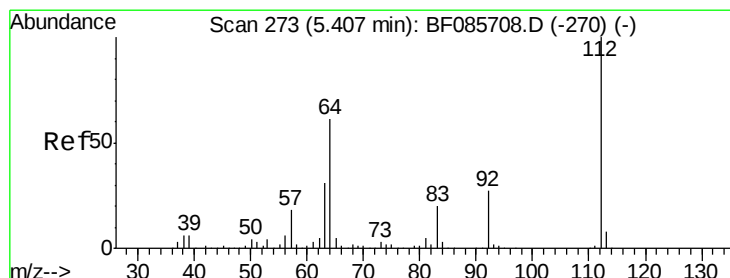
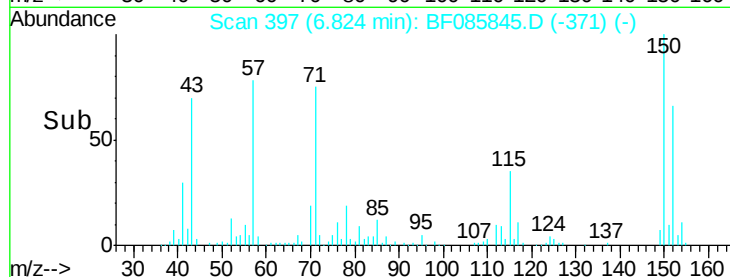
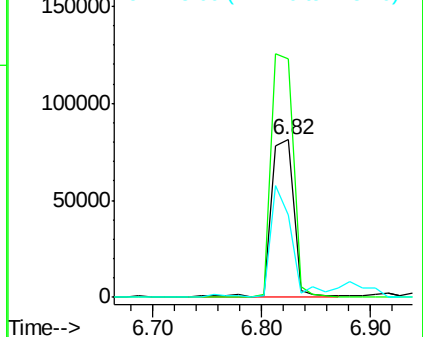
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117761
Ion Ratio Lower Upper
152 100
150 151.2 124.2 186.2
115 52.6 47.0 70.6



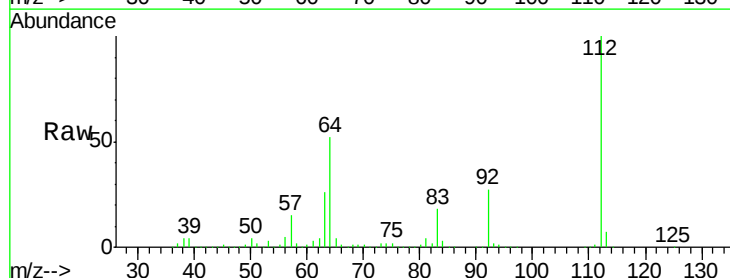
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



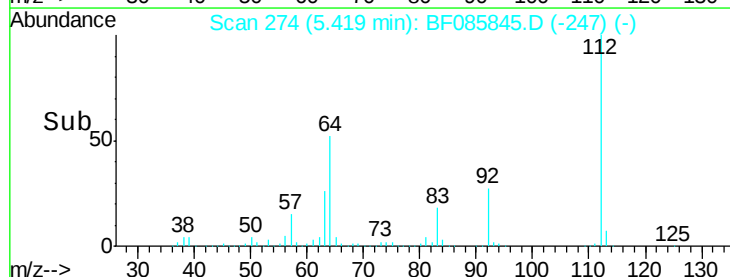
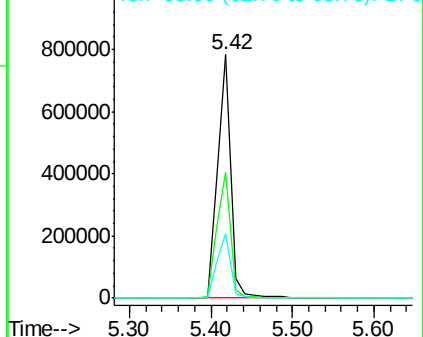
#5

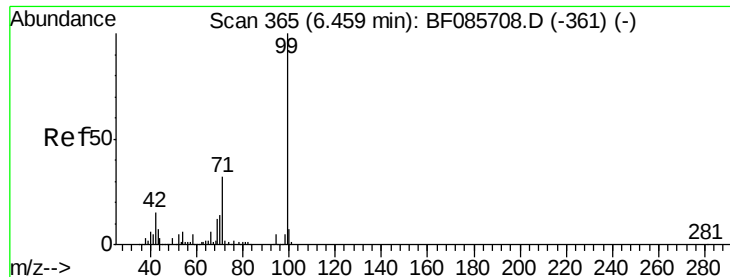
2-Fluorophenol
Concen: 123.74 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Tgt Ion:112 Resp: 874925
Ion Ratio Lower Upper
112 100
64 51.9 39.9 59.9
63 26.2 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: 115.83 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

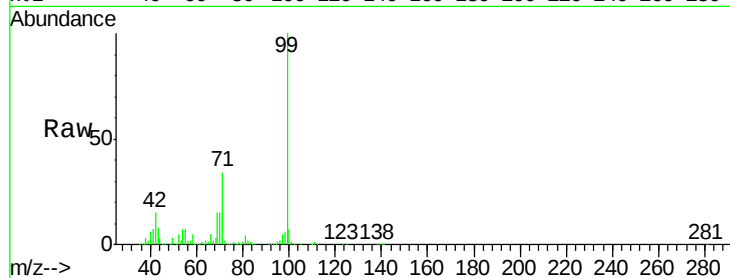
Tot Ion: 99 Resp: 1041352

Ion Ratio Lower Upper

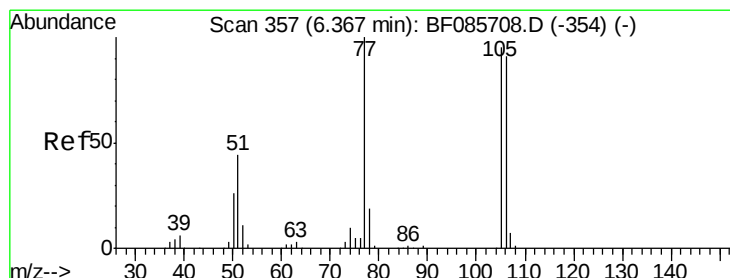
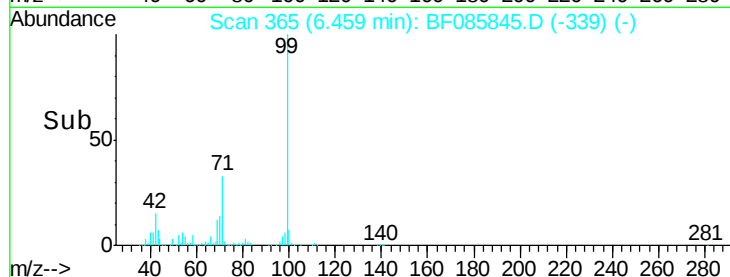
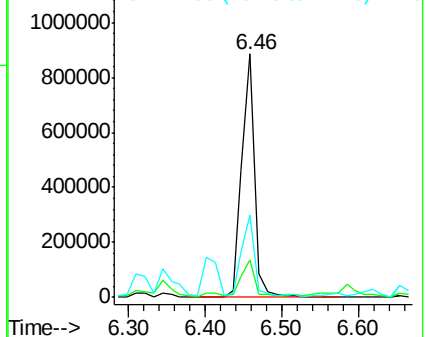
99 100

42 15.3 11.1 16.7

71 33.8 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



#9

Benzaldehyde

Concen: 2.43 ng

RT: 6.34 min Scan# 355

Delta R.T. -0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

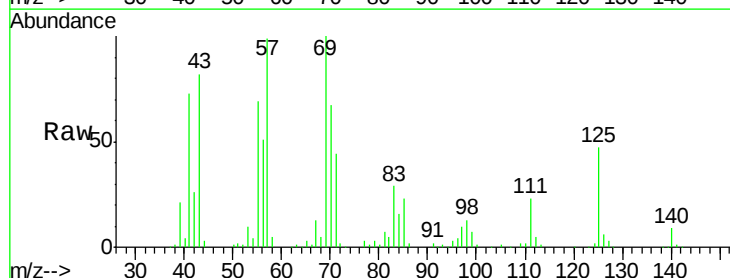
Tgt Ion: 77 Resp: 13153

Ion Ratio Lower Upper

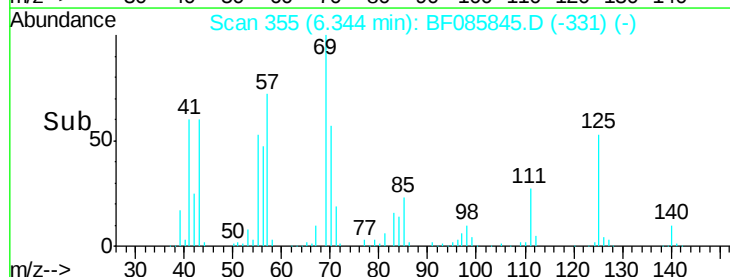
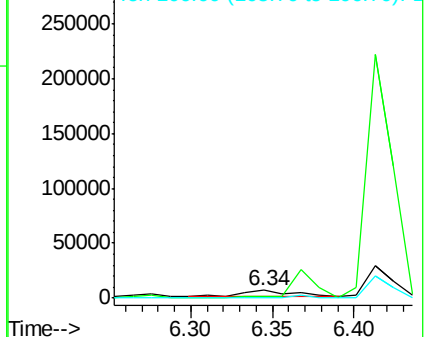
77 100

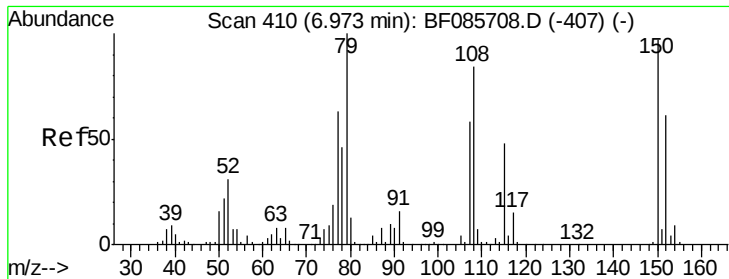
105 25.1 80.1 120.1#

106 0.0 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





#15

Benzyl Alcohol

Concen: 3.71 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampled :

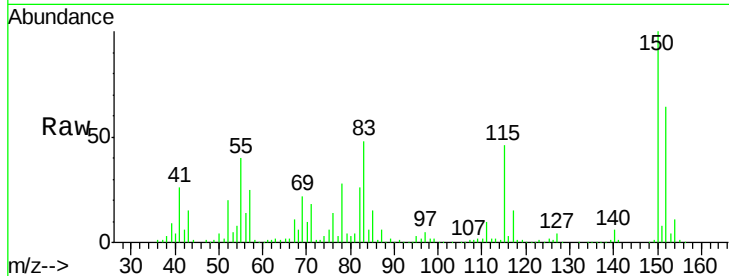
Tot Ion: 79 Resp: 22232

Ion Ratio Lower Upper

79 100

108 19.9 61.8 92.6#

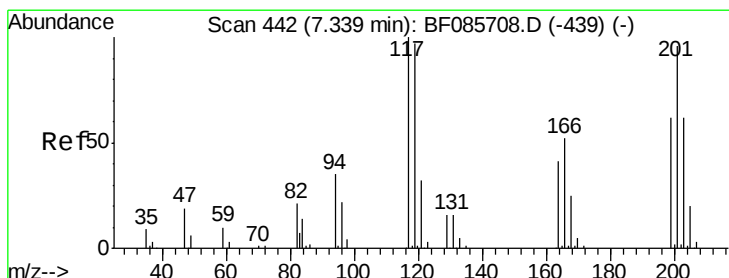
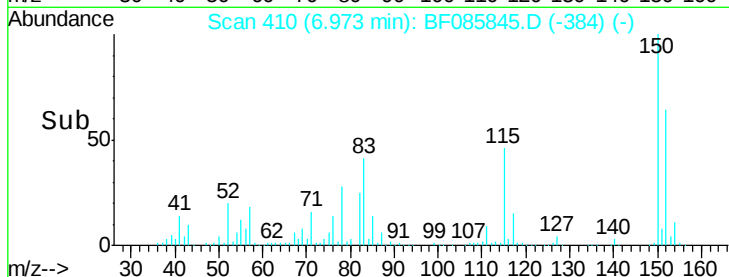
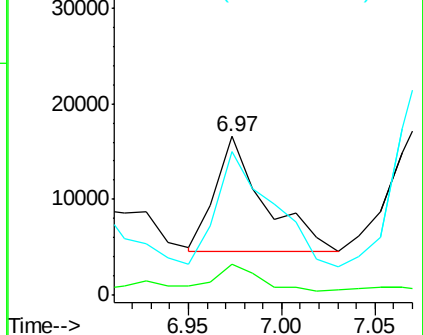
77 90.3 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 22.61 ng

RT: 7.29 min Scan# 438

Delta R.T. -0.05 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

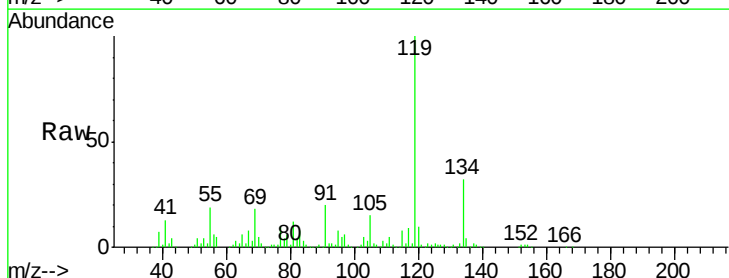
Tgt Ion: 117 Resp: 74265

Ion Ratio Lower Upper

117 100

119 1069.7 76.7 115.1#

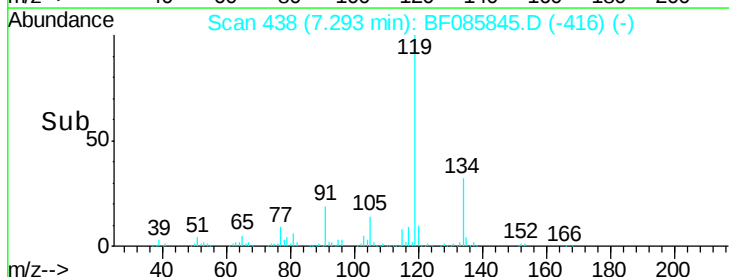
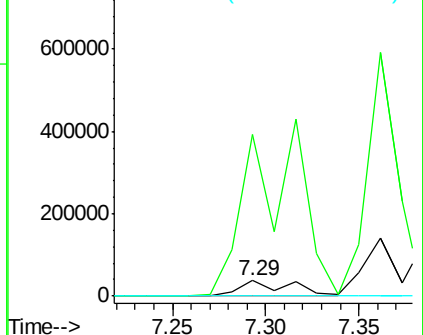
201 0.0 83.3 124.9#

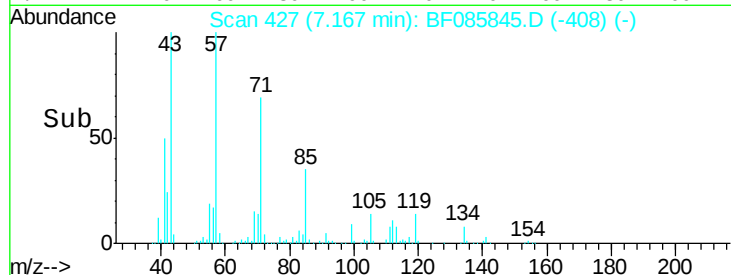
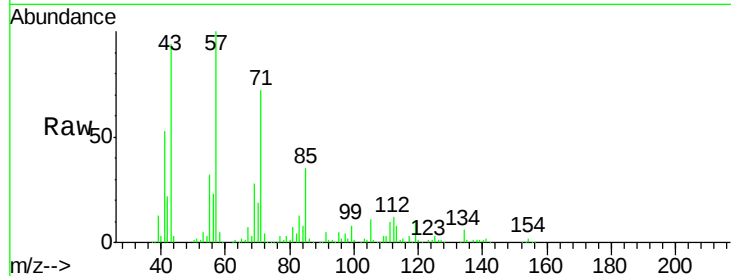
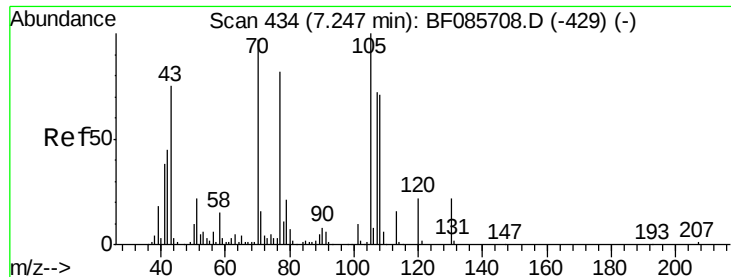


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

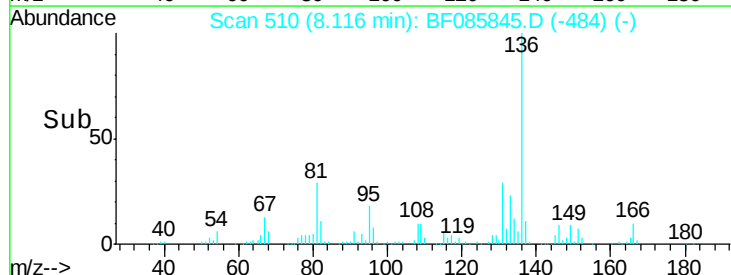
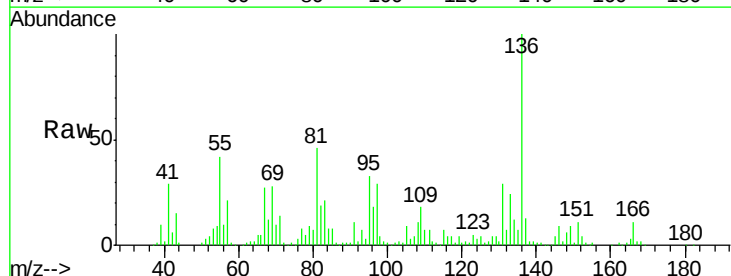
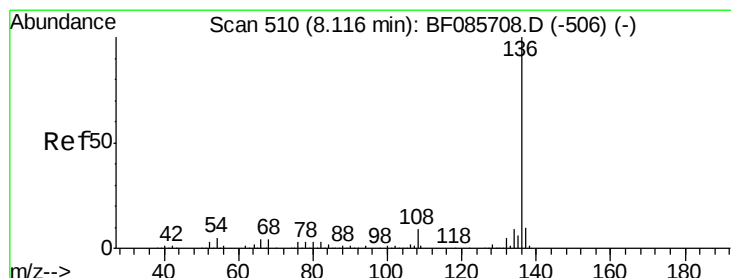
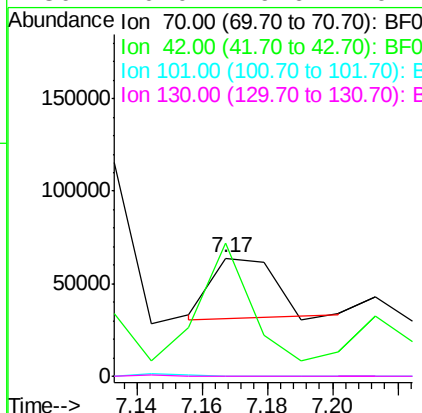




#19
n-Nitroso-di-n-propylamine
Concen: 7.86 ng
RT: 7.17 min Scan# 427
Delta R.T. -0.08 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

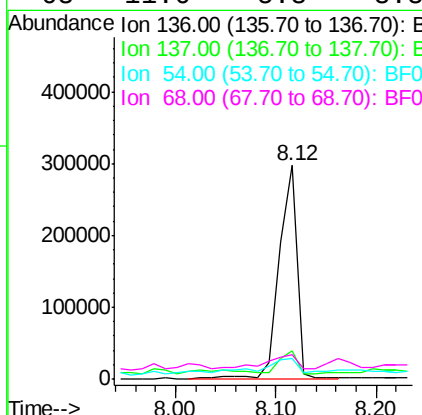
Instrument :
BNA_F
ClientSampled :

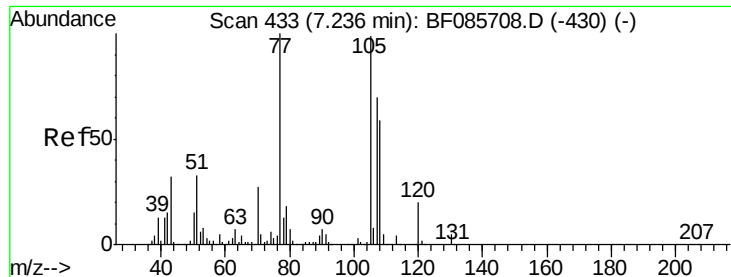
Tot Ion: 70 Resp: 42335
Ion Ratio Lower Upper
70 100
42 112.5 37.1 55.7#
101 0.0 8.6 12.8#
130 0.0 19.6 29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Tgt Ion:136 Resp: 361925
Ion Ratio Lower Upper
136 100
137 13.4 9.1 13.7
54 9.3 7.4 11.0
68 11.6 5.8 8.8#





#22

Acetophenone

Concen: 5.85 ng

RT: 7.21 min Scan# 431

Delta R.T. -0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 49349

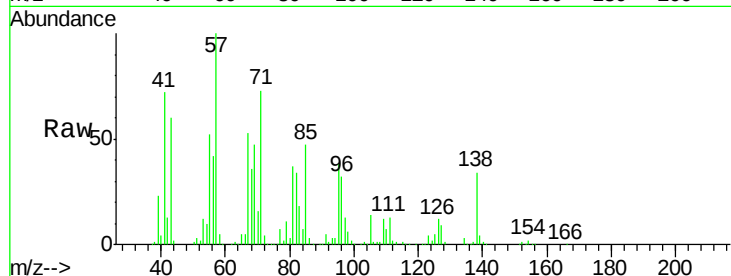
Ion Ratio Lower Upper

105 100

71 538.4 3.6 5.4#

51 23.5 25.4 38.0#

120 0.0 16.9 25.3#

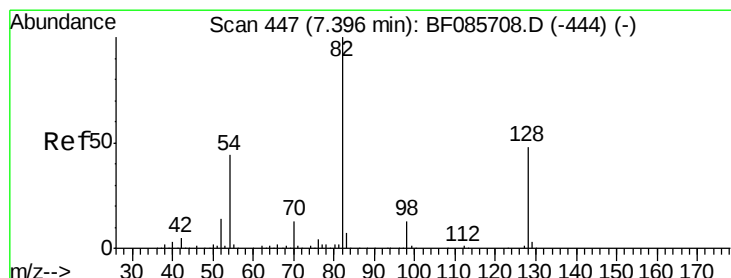
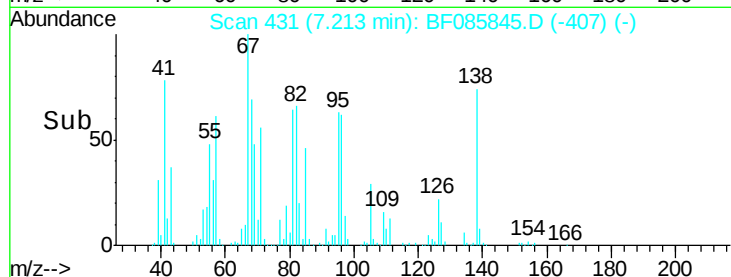
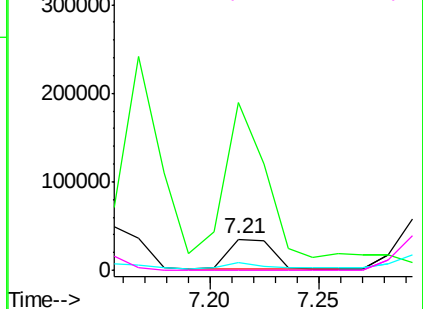


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 108.26 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

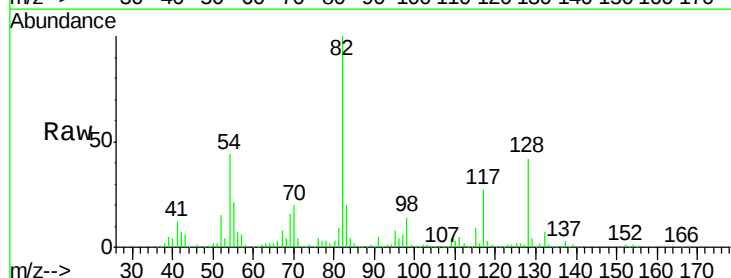
Tgt Ion: 82 Resp: 695817

Ion Ratio Lower Upper

82 100

128 42.2 41.8 62.8

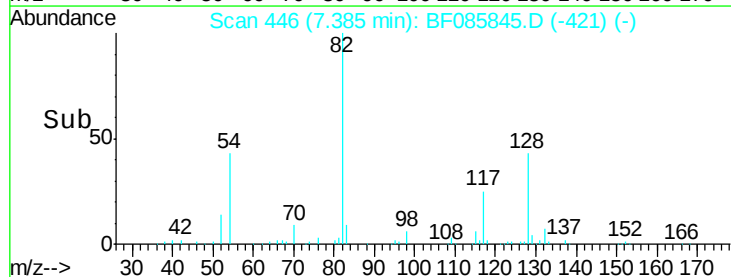
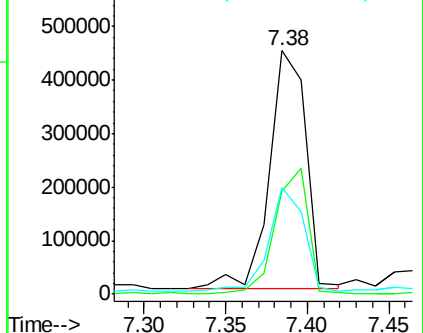
54 44.0 33.4 50.0

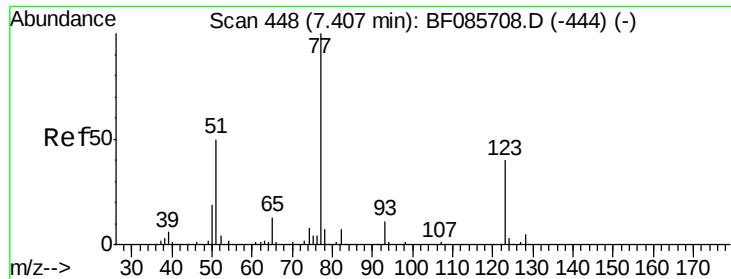


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

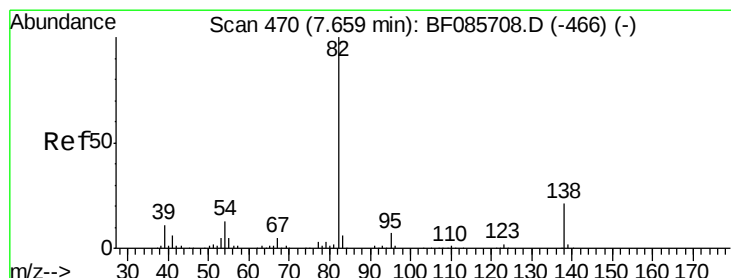
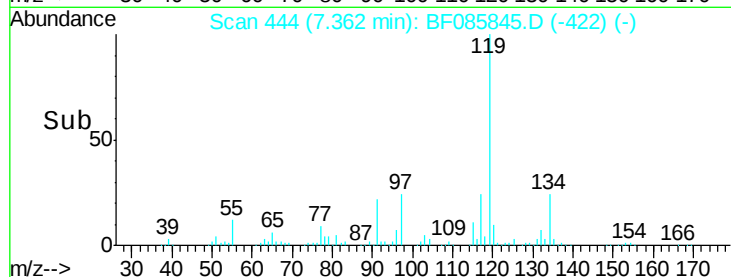
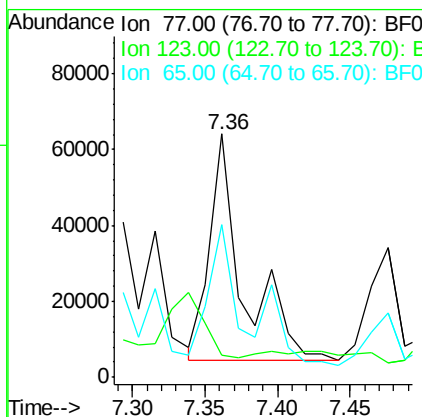
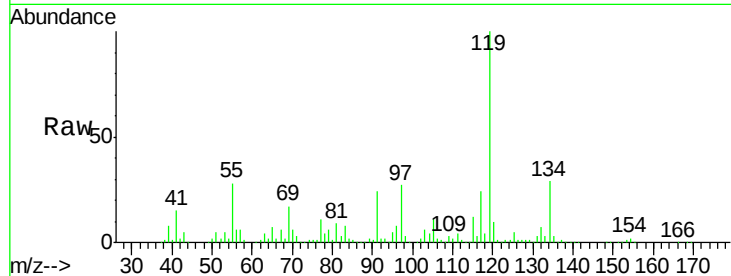




#24
Nitrobenzene
Concen: 14.29 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

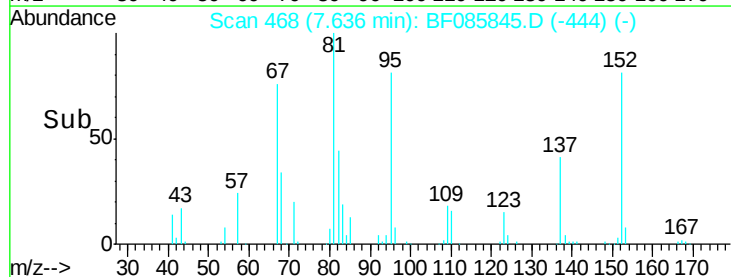
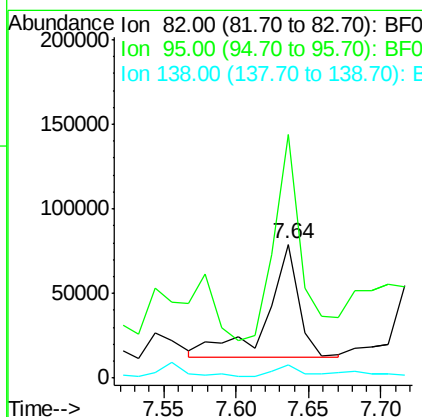
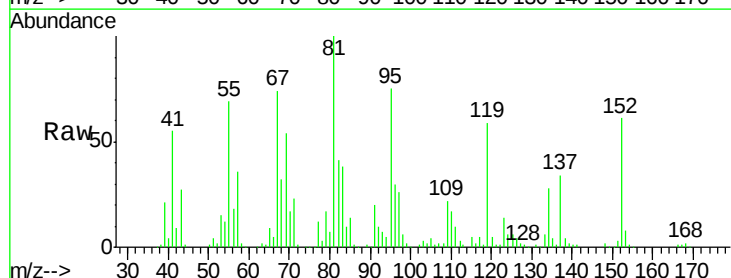
Instrument :
BNA_F
ClientSampled :

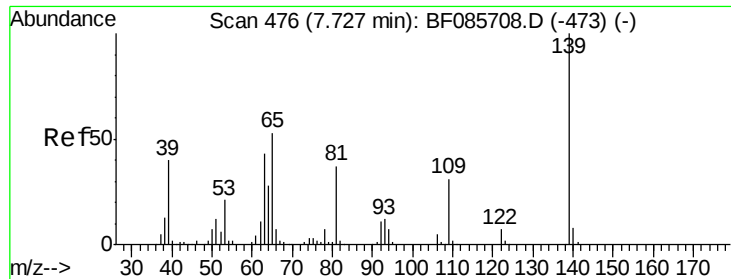
Tot Ion: 77 Resp: 94676
Ion Ratio Lower Upper
77 100
123 9.3 35.0 52.4#
65 62.6 10.6 16.0#



#25
Isophorone
Concen: 8.26 ng
RT: 7.64 min Scan# 468
Delta R.T. -0.02 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Tgt Ion: 82 Resp: 102206
Ion Ratio Lower Upper
82 100
95 181.5 5.4 8.2#
138 9.9 12.9 19.3#





#26

2-Nitrophenol

Concen: 3.41 ng

RT: 7.74 min Scan# 477

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :
BNA_F
ClientSampleId :

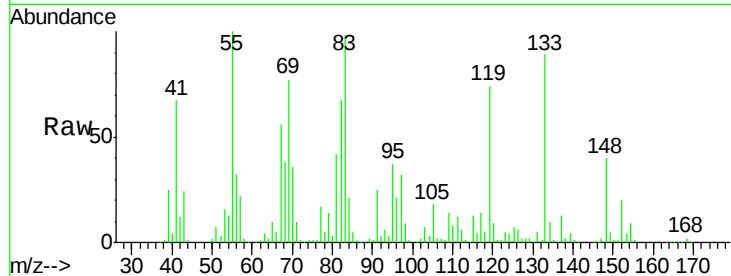
Tot Ion:139 Resp: 11300

Ion Ratio Lower Upper

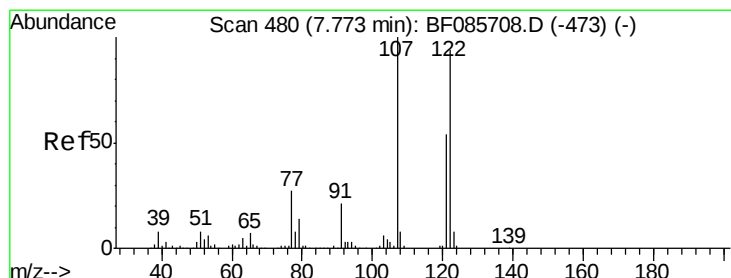
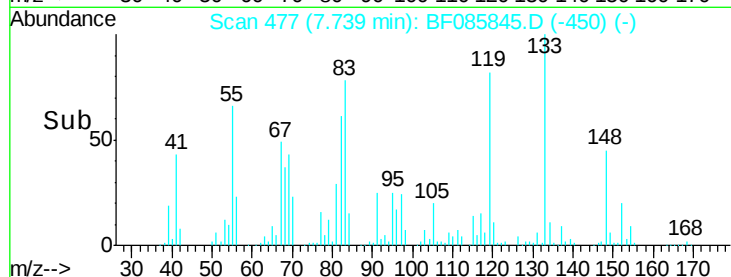
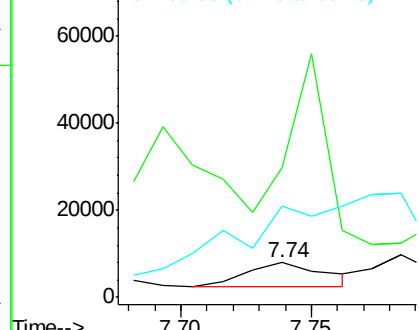
139 100

109 374.7 22.1 33.1#

65 264.5 33.9 50.9#



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): E



#27

2,4-Dimethylphenol

Concen: 2.22 ng

RT: 7.76 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

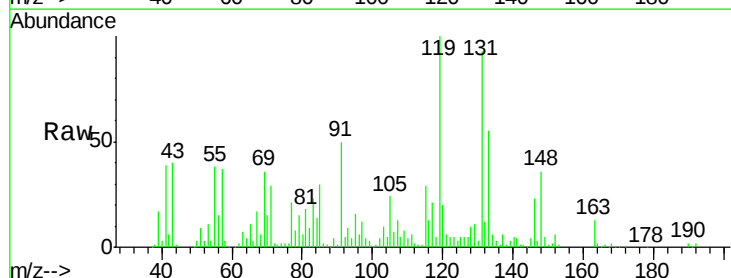
Tgt Ion:122 Resp: 12874

Ion Ratio Lower Upper

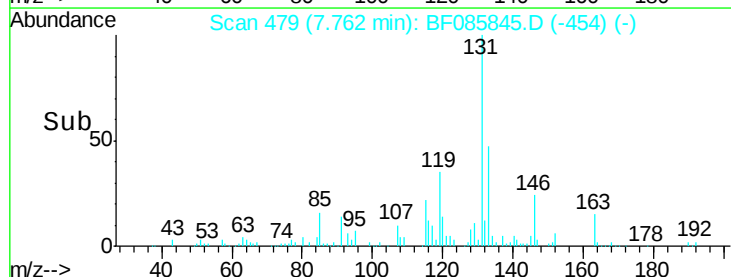
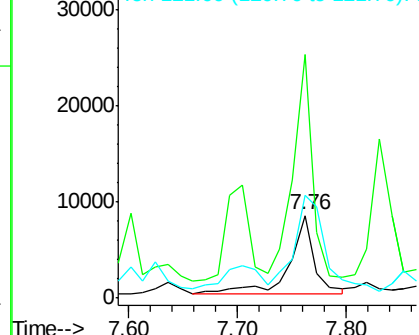
122 100

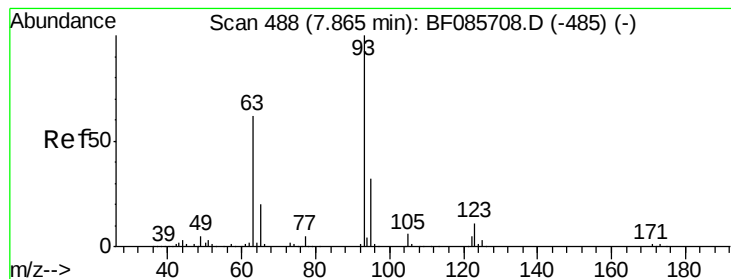
107 294.3 93.0 139.6#

121 125.1 45.9 68.9#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#28

bis(2-Chloroethoxy)methane

Concen: 3.18 ng

RT: 7.89 min Scan# 490

Delta R.T. 0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

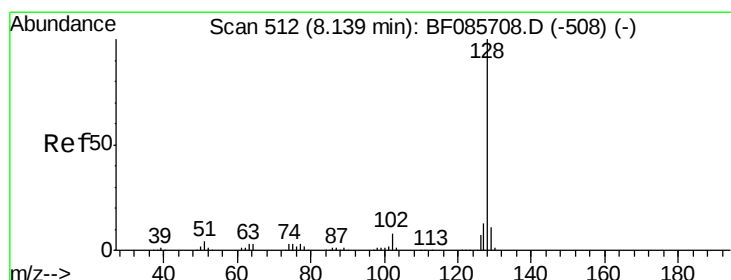
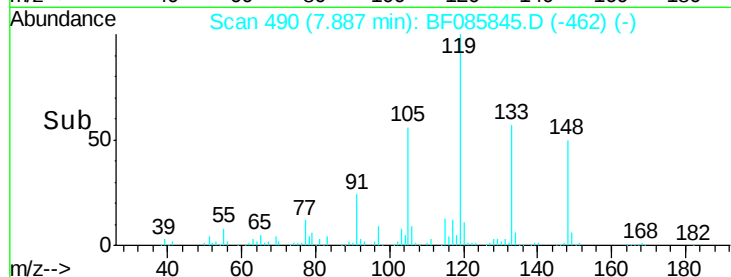
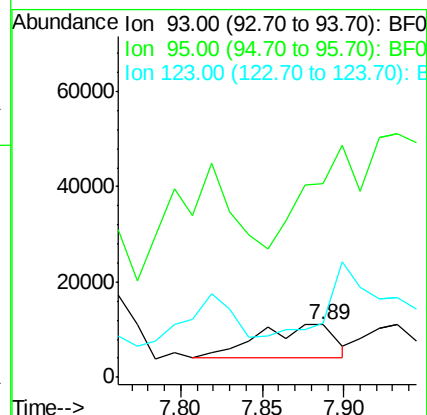
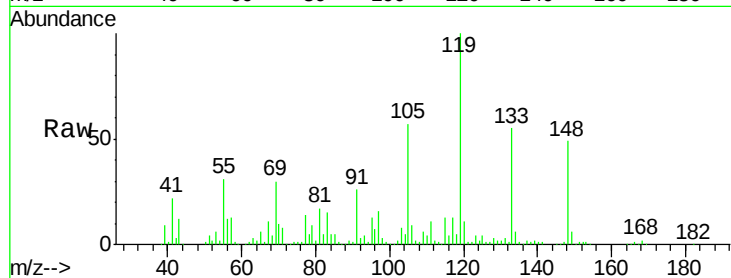
Tot Ion: 93 Resp: 22411

Ion Ratio Lower Upper

93 100

95 366.3 26.4 39.6#

123 103.5 9.8 14.6#



#31

Naphthalene

Concen: 5.08 ng

RT: 8.16 min Scan# 514

Delta R.T. 0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

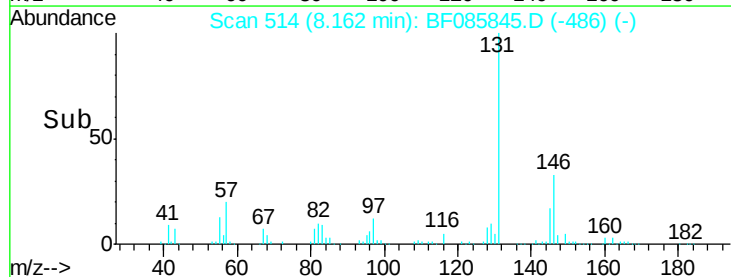
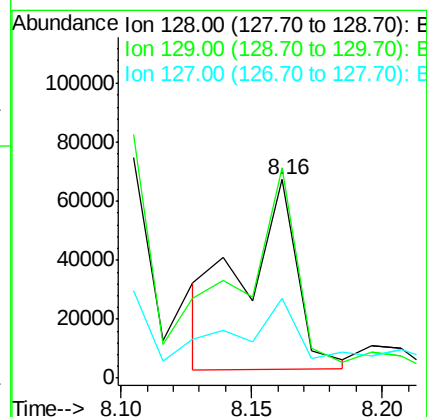
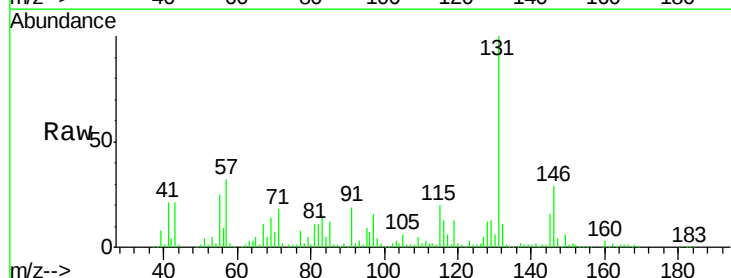
Tgt Ion: 128 Resp: 92582

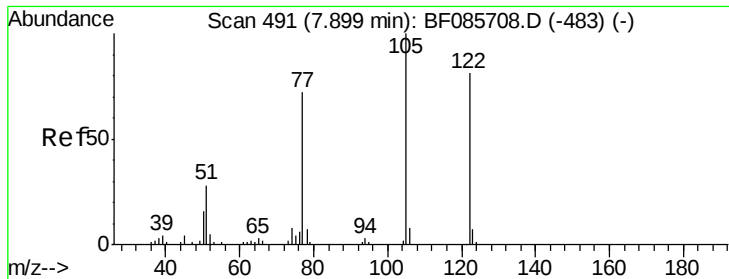
Ion Ratio Lower Upper

128 100

129 105.9 9.4 14.0#

127 40.4 11.0 16.6#





#32

Benzoic acid

Concen: 2.44 ng

RT: 7.90 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

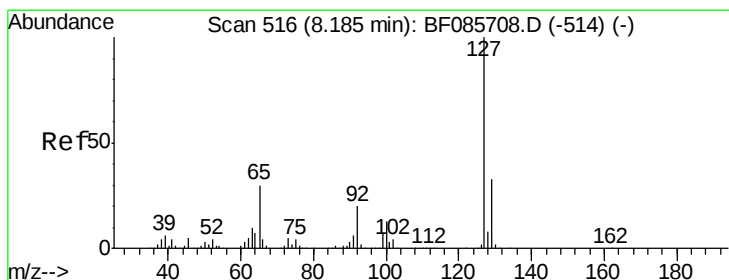
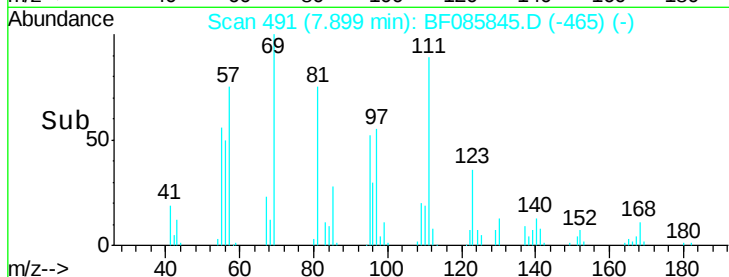
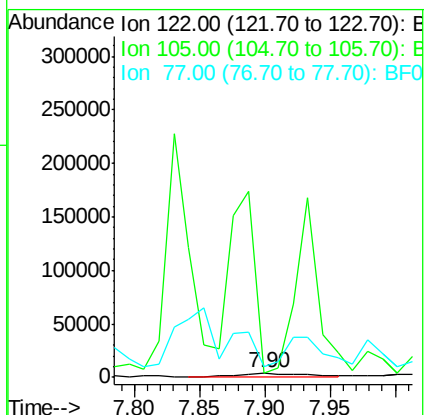
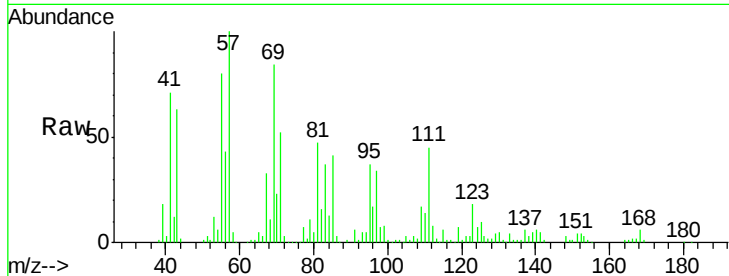
Tot Ion:122 Resp: 9382

Ion Ratio Lower Upper

122 100

105 90.4 102.9 142.9#

77 237.6 71.8 111.8#



#33

4-Chloroaniline

Concen: 3.53 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Tgt Ion:127 Resp: 26270

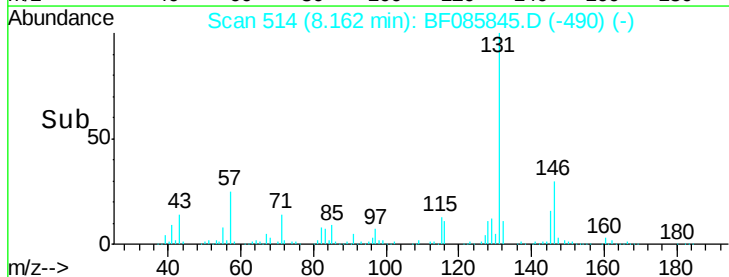
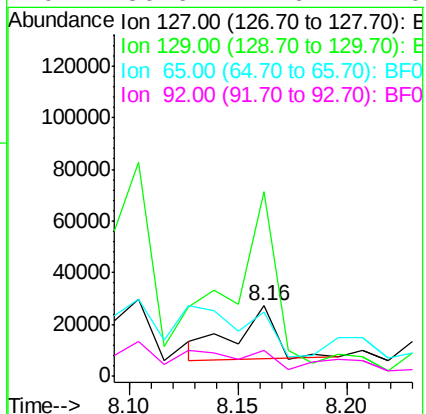
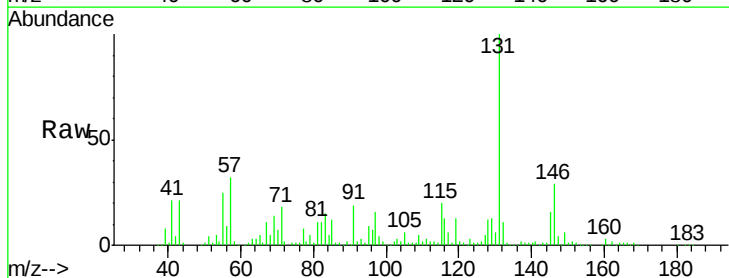
Ion Ratio Lower Upper

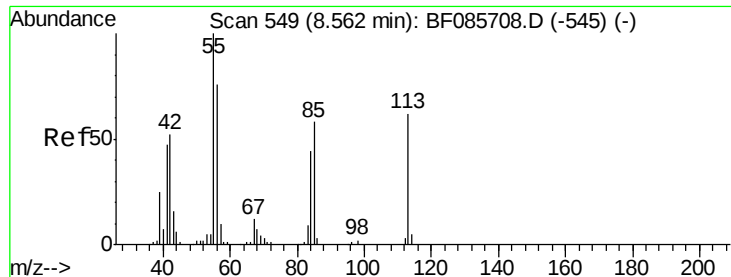
127 100

129 261.8 26.1 39.1#

65 91.5 19.5 29.3#

92 36.6 14.6 22.0#





#35

Caprolactam

Concen: 90.78 ng

RT: 8.55 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

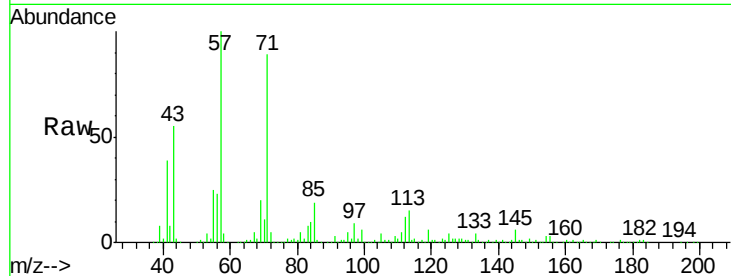
Tot Ion:113 Resp: 156617

Ion Ratio Lower Upper

113 100

55 172.2 139.4 179.4

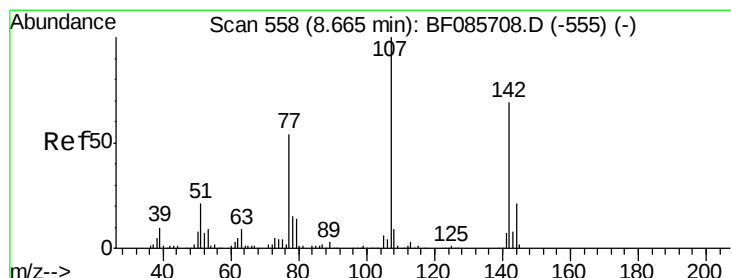
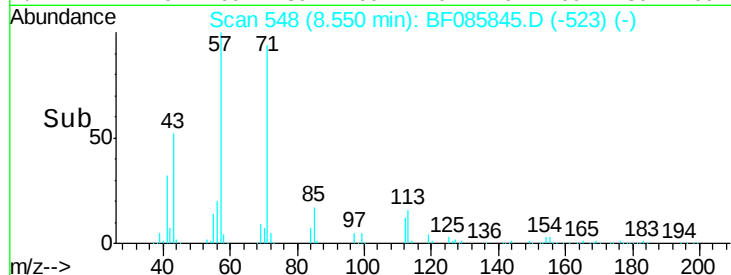
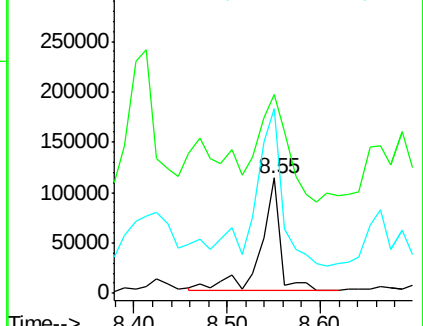
56 160.5 100.4 140.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 3.03 ng

RT: 8.64 min Scan# 556

Delta R.T. -0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

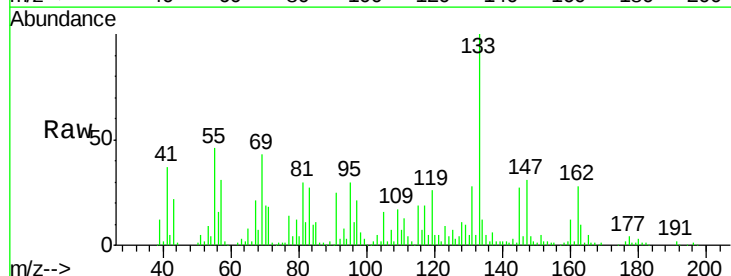
Tgt Ion:107 Resp: 17251

Ion Ratio Lower Upper

107 100

144 20.5 19.3 28.9

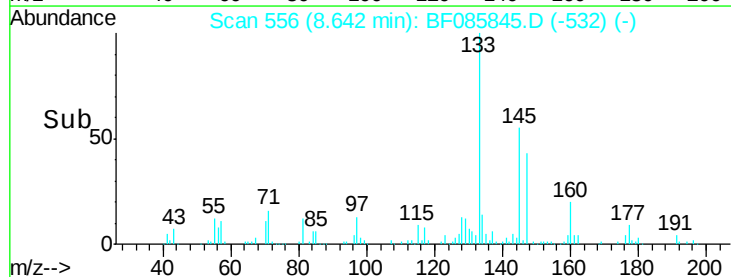
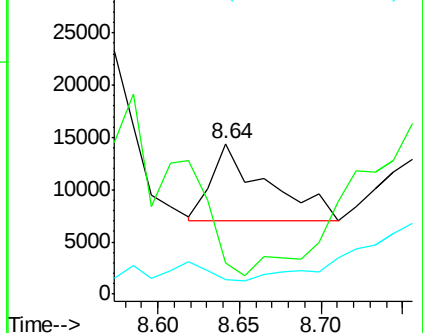
142 9.2 61.4 92.0#

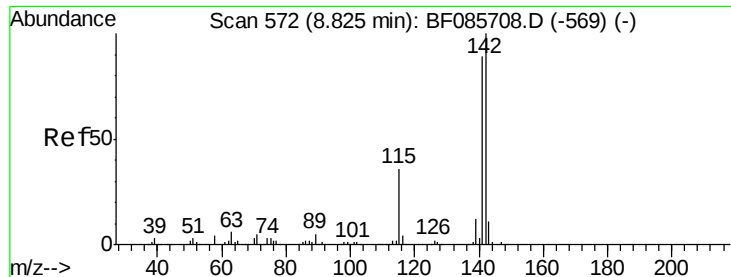


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 12.51 ng

RT: 8.82 min Scan# 572

Delta R.T. 0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

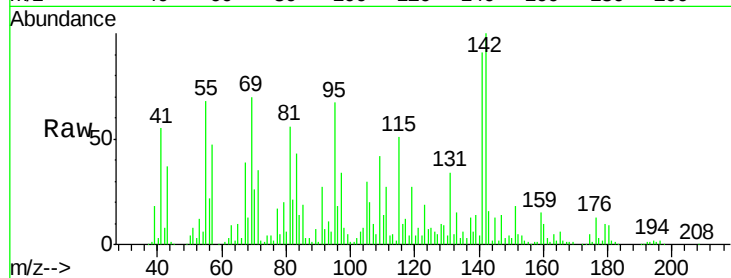
Tot Ion:142 Resp: 163731

Ion Ratio Lower Upper

142 100

141 91.1 71.6 107.4

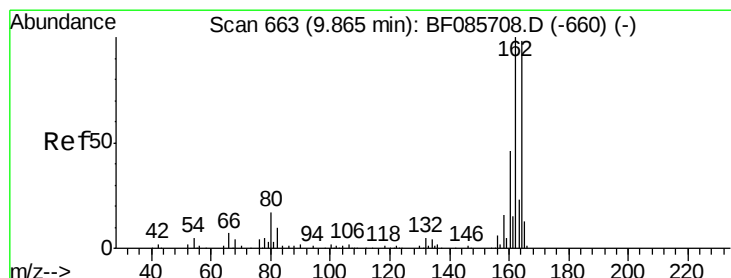
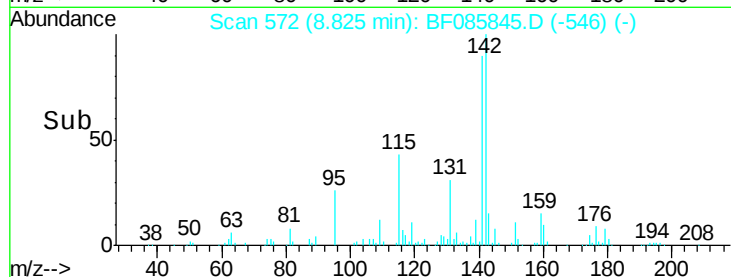
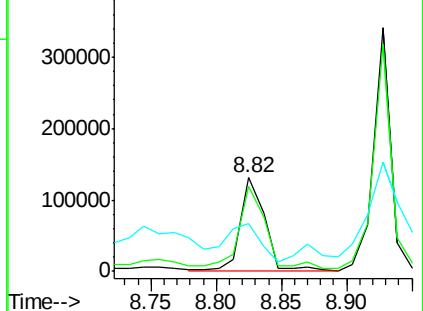
115 51.2 26.8 40.2#



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

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

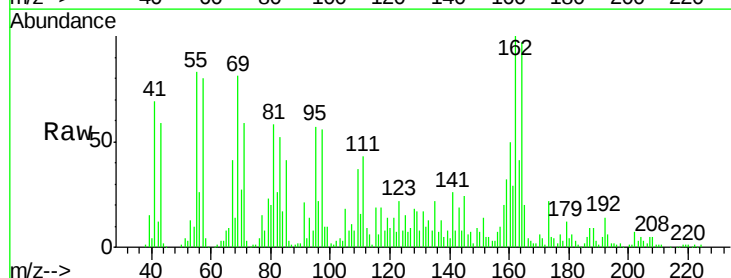
Tgt Ion:164 Resp: 165203

Ion Ratio Lower Upper

164 100

162 103.3 82.1 123.1

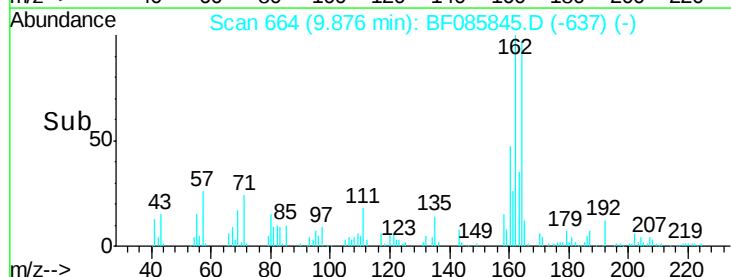
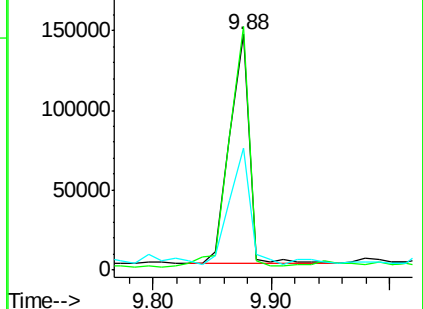
160 51.8 37.4 56.2

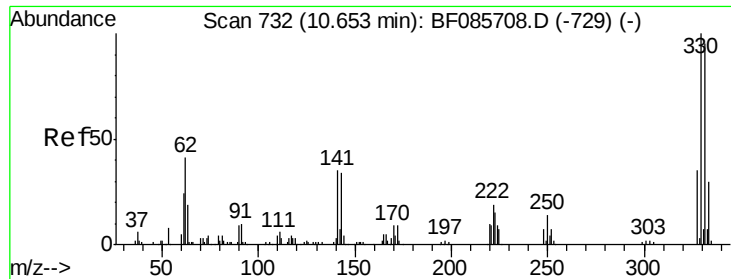


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

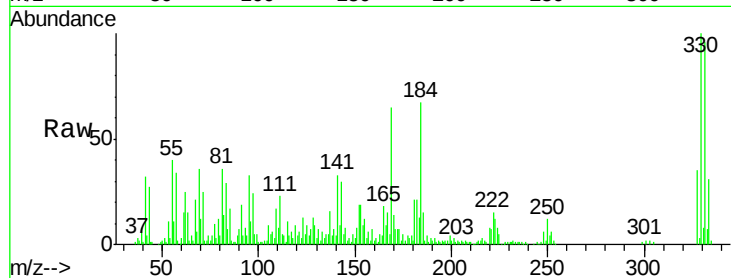




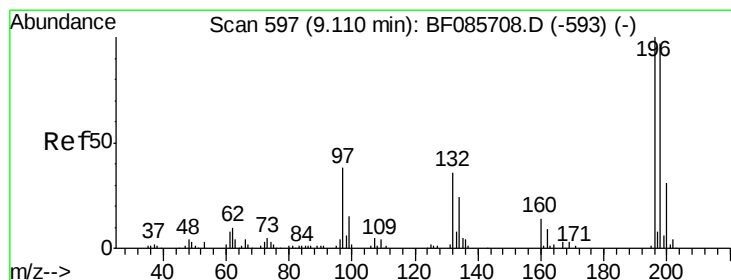
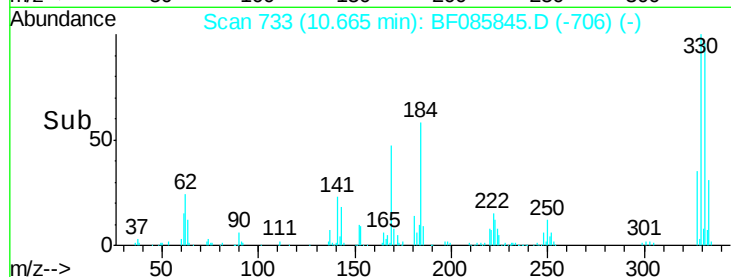
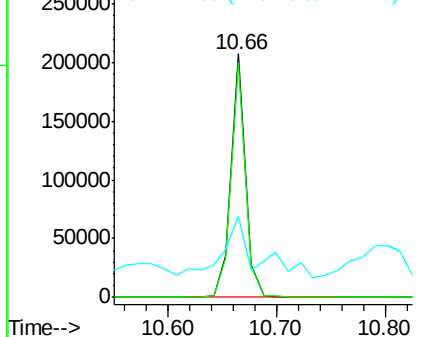
#41
 2,4,6-Tribromophenol
 Concen: 120.37 ng
 RT: 10.66 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 188942
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.2 117.2
 141 40.6 31.5 47.3

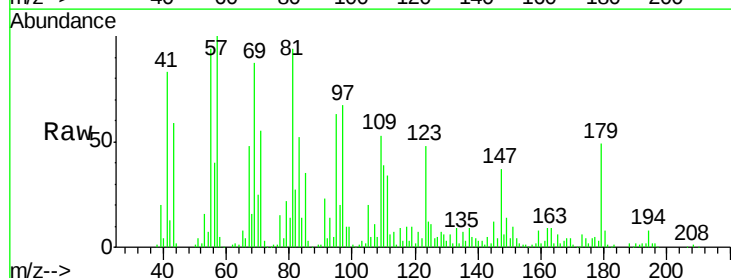


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

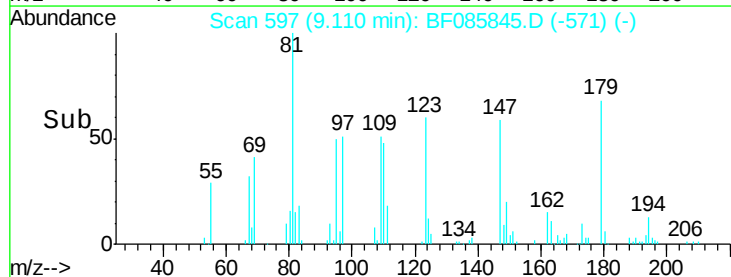
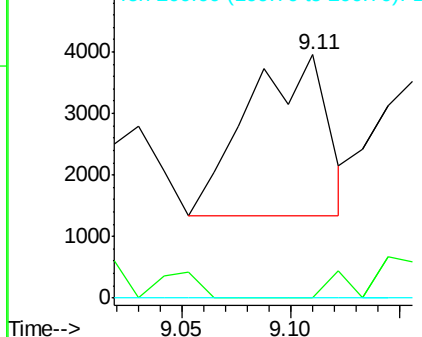


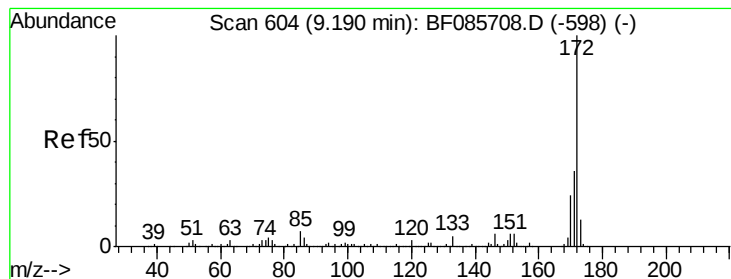
#42
 2,4,6-Trichlorophenol
 Concen: 2.03 ng
 RT: 9.11 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Tgt Ion:196 Resp: 6704
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.3 112.9#
 200 0.0 23.7 35.5#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

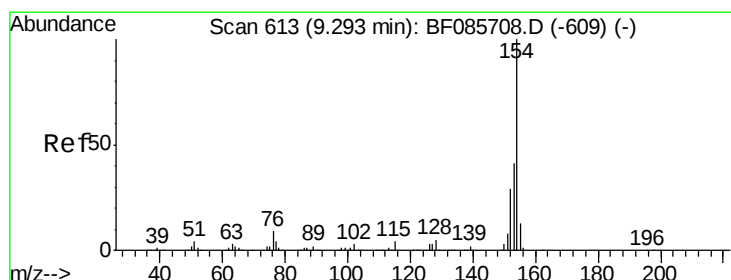
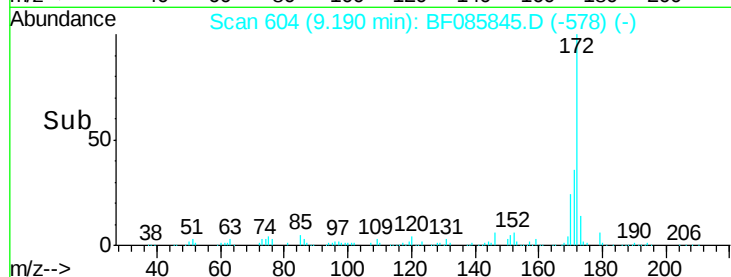
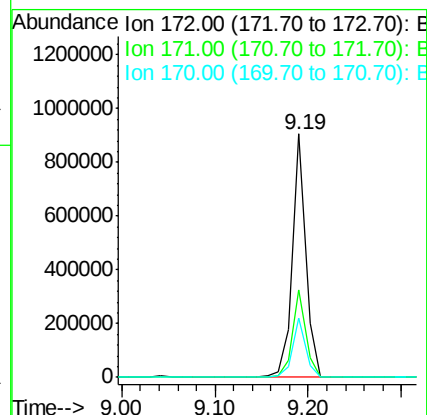
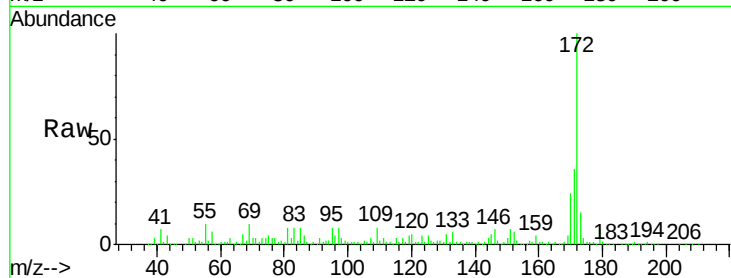




#44
2-Fluorobiphenyl
Concen: 91.49 ng
RT: 9.19 min Scan# 604
Delta R.T. -0.00 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

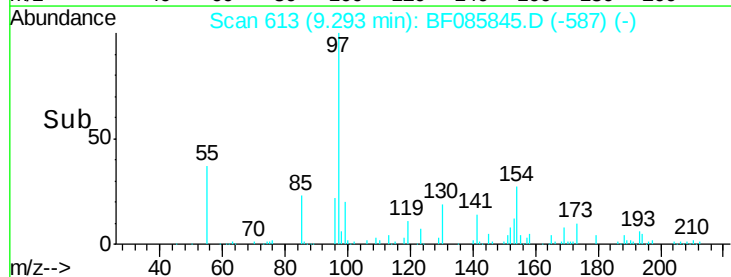
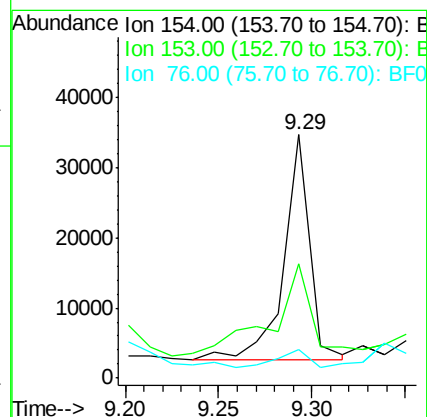
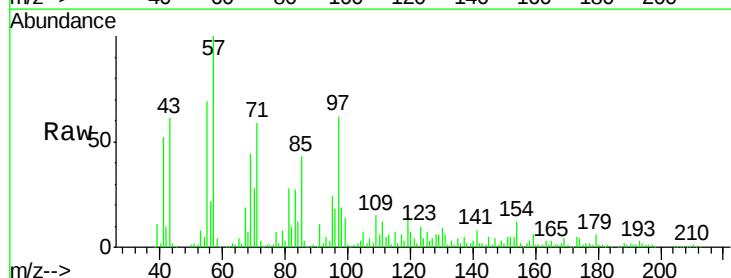
Instrument :
BNA_F
ClientSampleId :

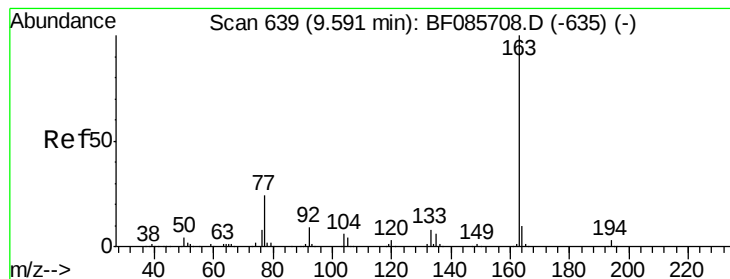
Tot Ion:172 Resp: 904603
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.2
170 24.2 19.8 29.6



#45
1,1'-Biphenyl
Concen: 2.22 ng
RT: 9.29 min Scan# 613
Delta R.T. -0.00 min
Lab File: BF085845.D
Acq: 29 Mar 2016 11:43

Tgt Ion:154 Resp: 30922
Ion Ratio Lower Upper
154 100
153 46.7 20.8 60.8
76 12.0 0.0 36.7





#49

Dimethylphthalate

Concen: 8.80 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

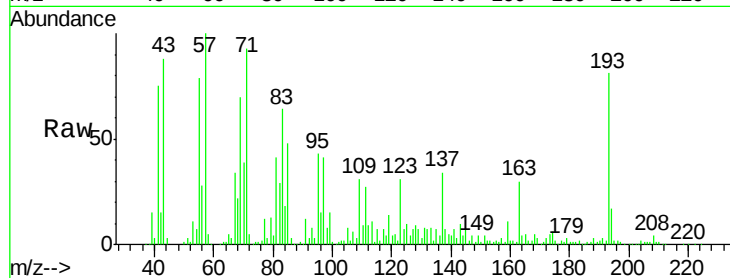
Tot Ion:163 Resp: 110292

Ion Ratio Lower Upper

163 100

194 57.9 2.9 4.3#

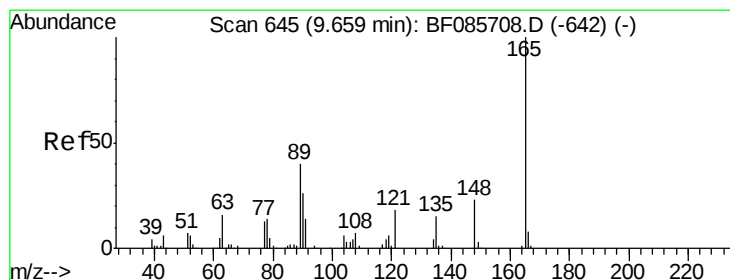
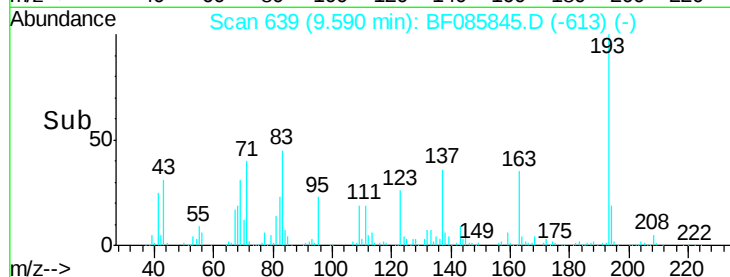
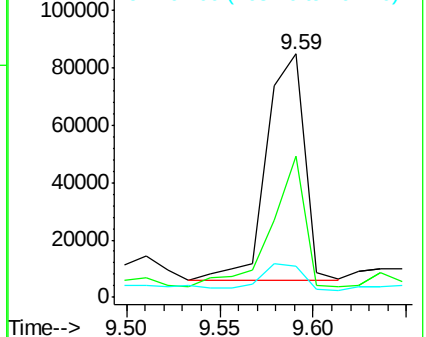
164 12.6 8.3 12.5#



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



#50

2,6-Dinitrotoluene

Concen: 7.78 ng

RT: 9.65 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

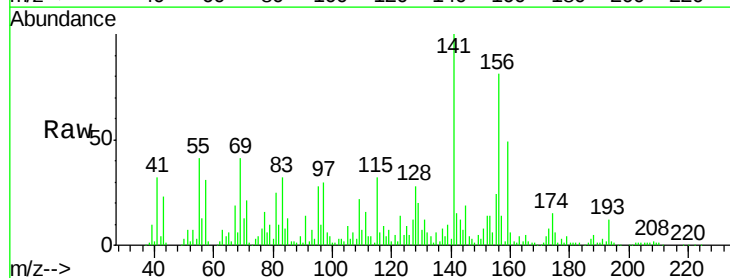
Tgt Ion:165 Resp: 20992

Ion Ratio Lower Upper

165 100

63 140.8 51.8 77.8#

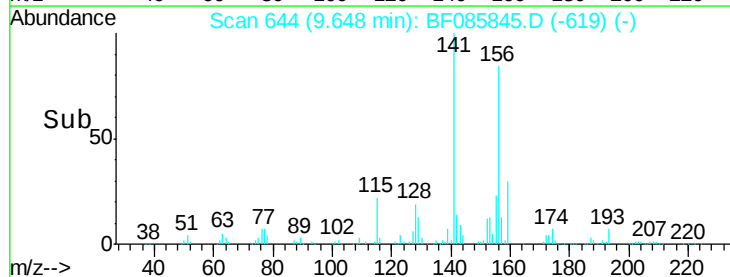
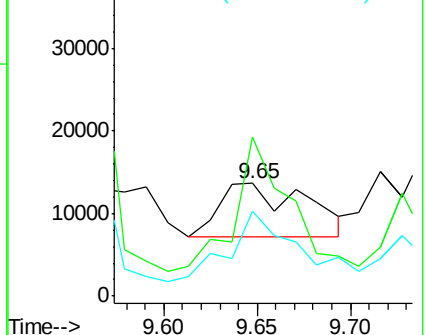
89 75.0 53.7 80.5

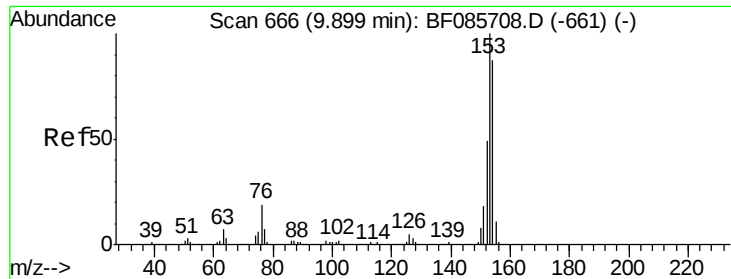


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.90 ng

RT: 9.90 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

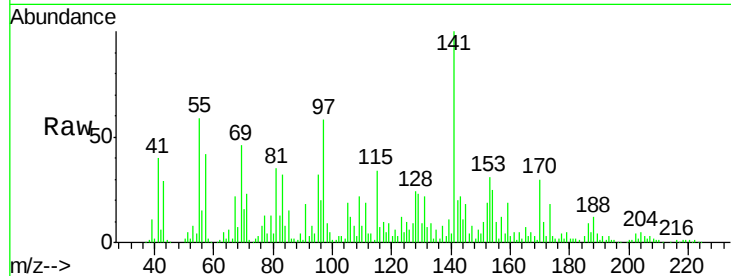
Tot Ion:154 Resp: 70385

Ion Ratio Lower Upper

154 100

153 125.5 90.1 135.1

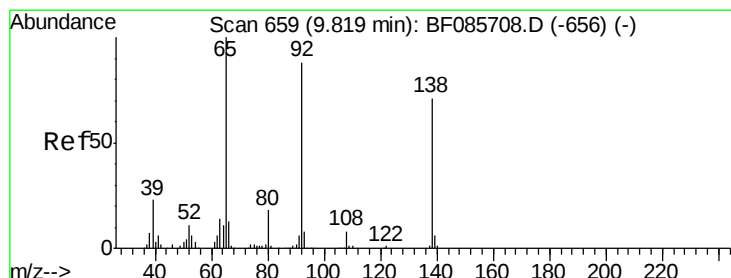
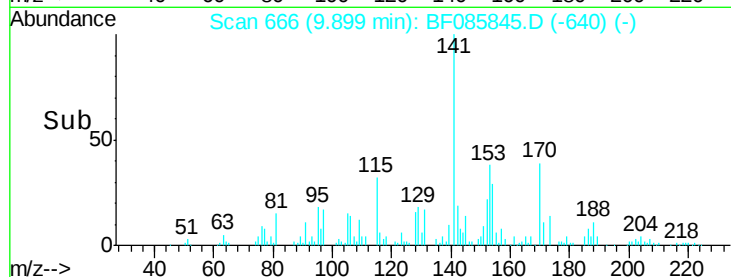
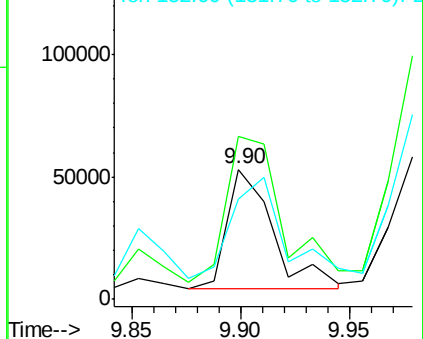
152 76.7 44.2 66.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.29 ng

RT: 9.82 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

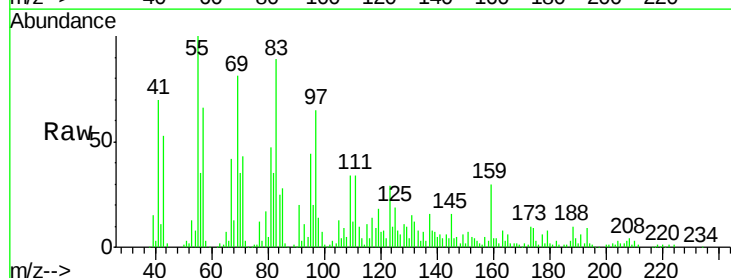
Tgt Ion:138 Resp: 10153

Ion Ratio Lower Upper

138 100

108 61.0 8.7 13.1#

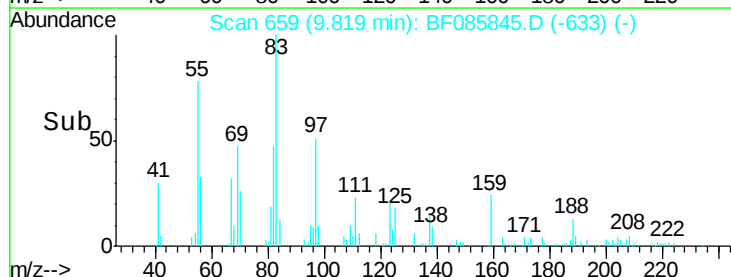
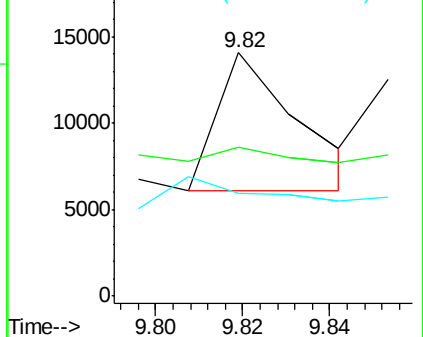
92 42.4 93.3 139.9#

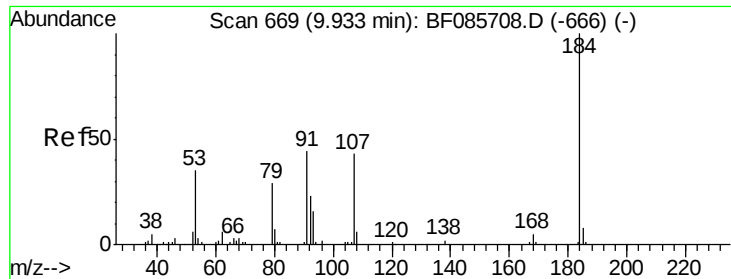


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

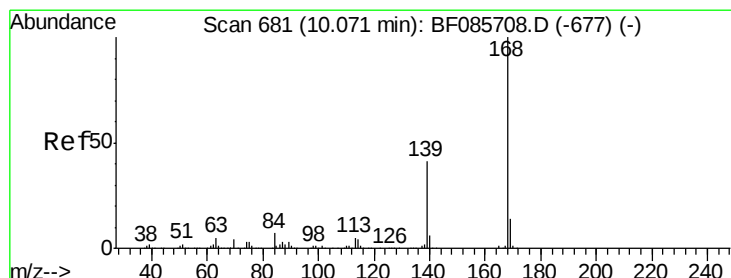
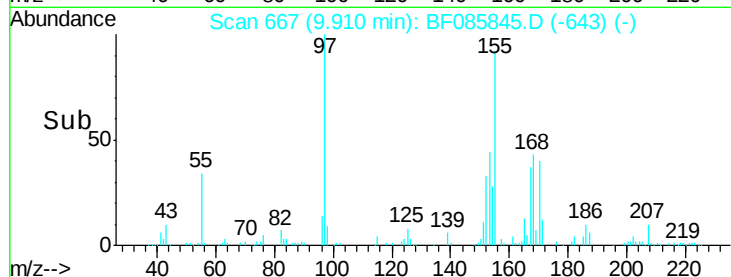
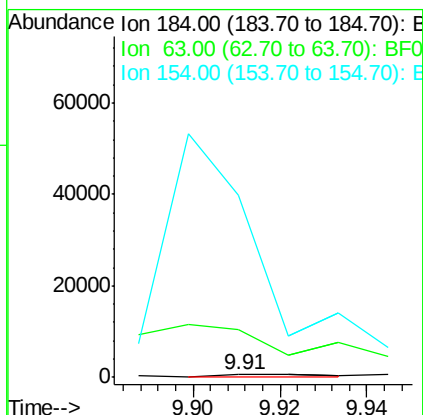
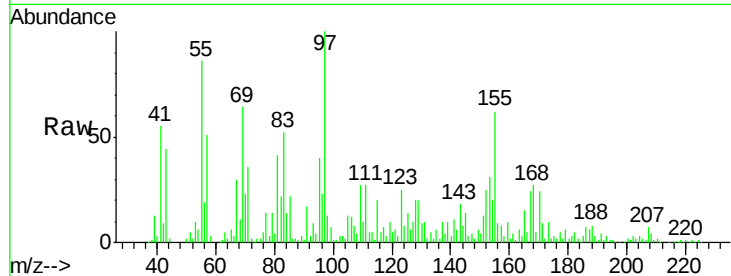




#53
 2,4-Dinitrophenol
 Concen: 6.77 ng
 RT: 9.91 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

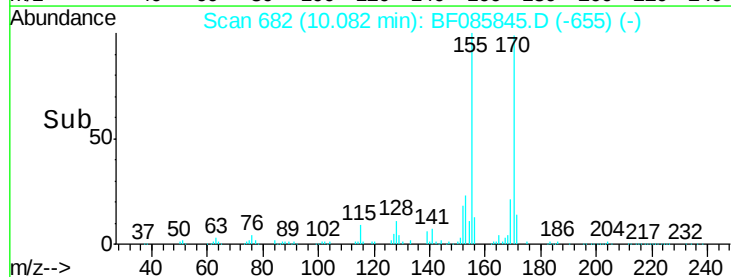
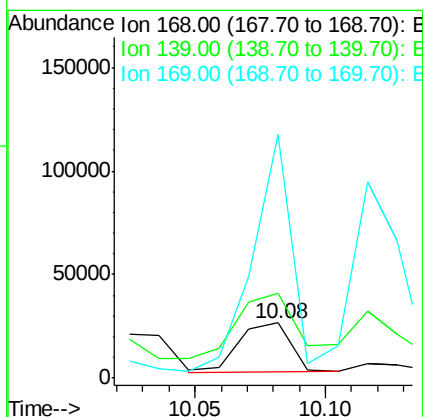
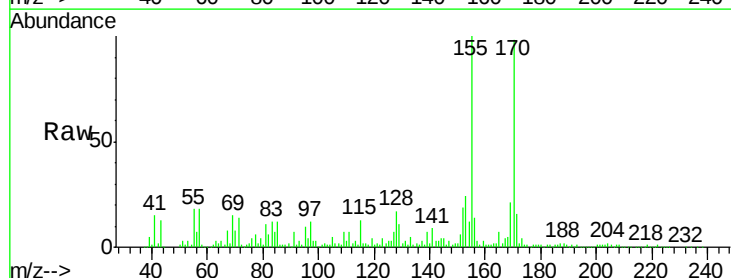
Instrument :
 BNA_F
 ClientSampleId :

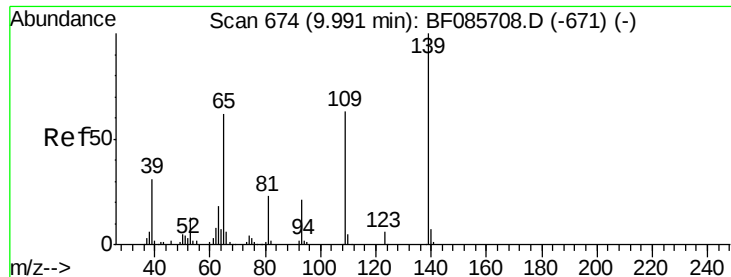
Tot Ion:184 Resp: 1073
 Ion Ratio Lower Upper
 184 100
 63 1718.6 69.5 104.3#
 154 6510.7 58.3 87.5#



#54
 Dibenzofuran
 Concen: 2.46 ng
 RT: 10.08 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Tgt Ion:168 Resp: 32477
 Ion Ratio Lower Upper
 168 100
 139 153.6 31.9 47.9#
 169 442.1 11.0 16.6#





#55

4-Nitrophenol

Concen: 33.01 ng

RT: 9.98 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

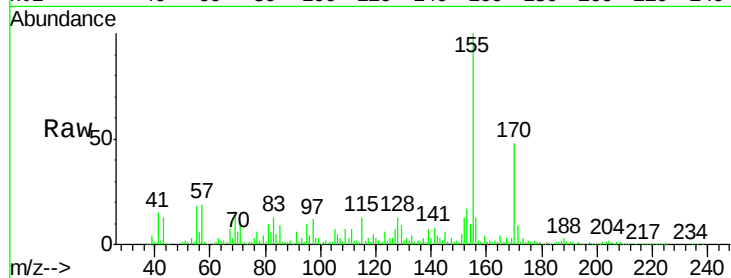
Tot Ion:139 Resp: 66404

Ion Ratio Lower Upper

139 100

109 96.8 49.2 89.2#

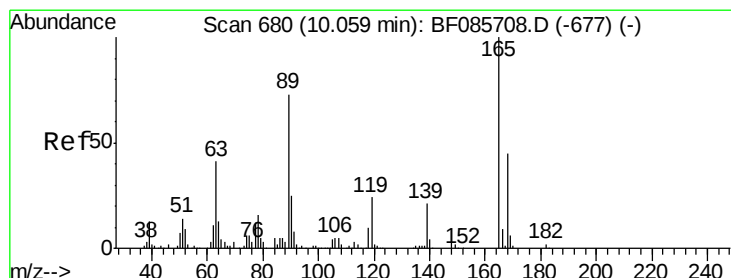
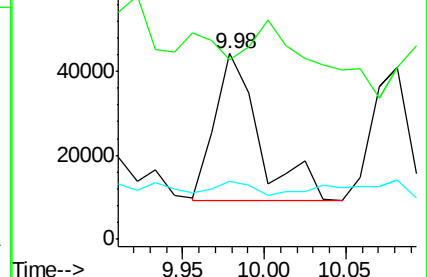
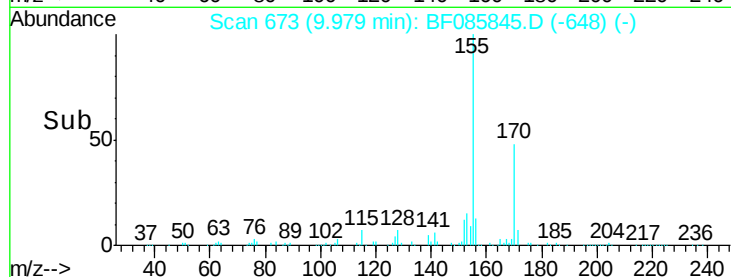
65 31.2 66.9 106.9#



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: 7.89 ng

RT: 10.08 min Scan# 682

Delta R.T. 0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Tgt Ion:165 Resp: 27061

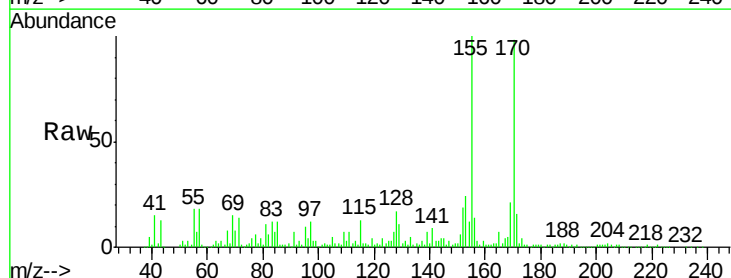
Ion Ratio Lower Upper

165 100

63 51.4 24.9 37.3#

89 29.4 41.0 61.6#

182 11.9 2.1 3.1#

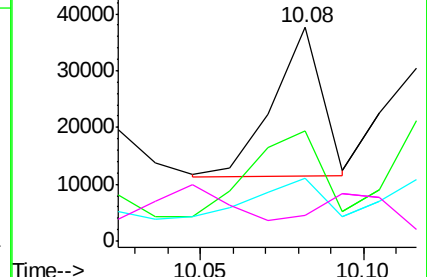
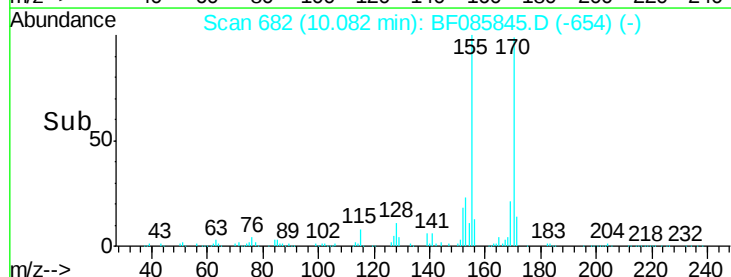


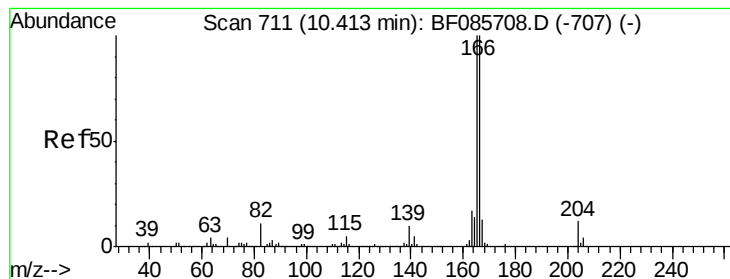
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 10.36 ng

RT: 10.42 min Scan# 712

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

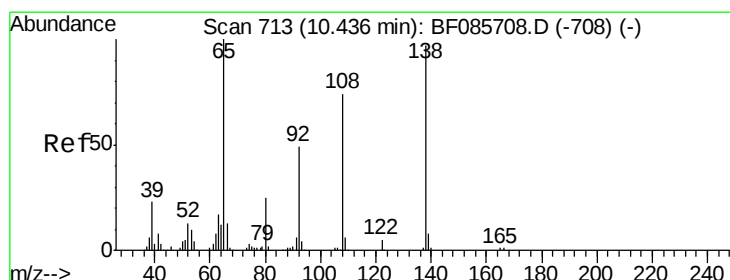
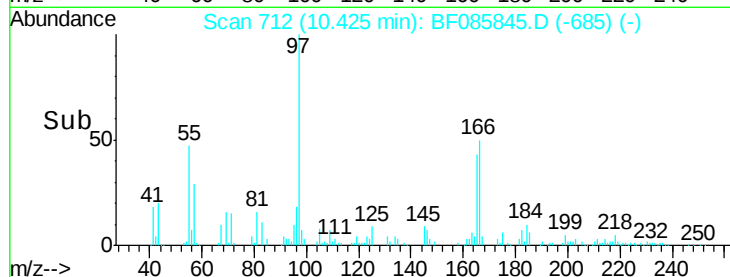
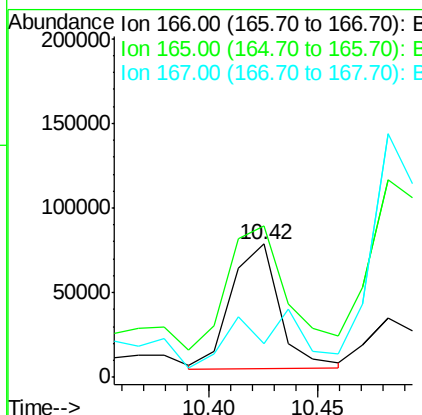
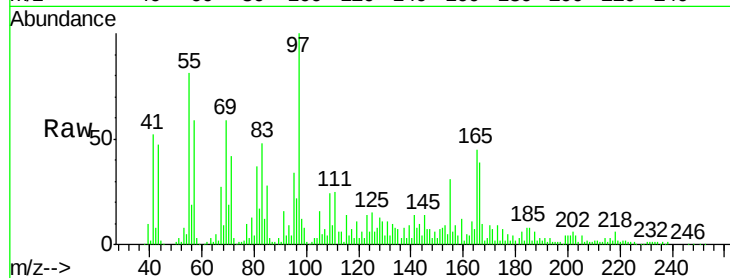
Tot Ion:166 Resp: 113686

Ion Ratio Lower Upper

166 100

165 114.0 79.4 119.0

167 25.0 11.0 16.4#



#61

4-Nitroaniline

Concen: 2.60 ng

RT: 10.29 min Scan# 700

Delta R.T. -0.15 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

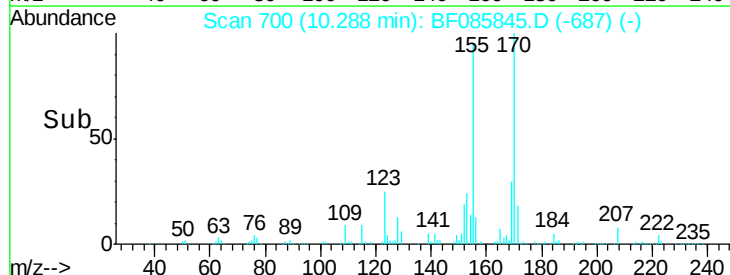
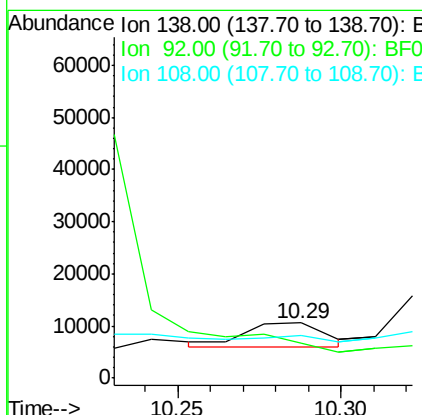
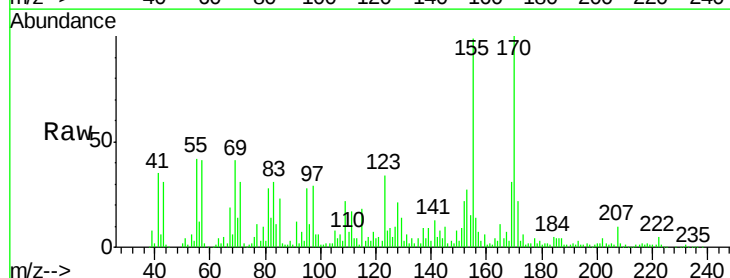
Tgt Ion:138 Resp: 7691

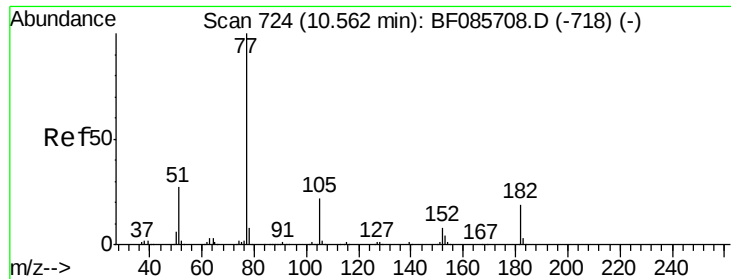
Ion Ratio Lower Upper

138 100

92 64.5 26.4 66.4

108 76.3 49.0 89.0





#62

Azobenzene

Concen: 2.61 ng

RT: 10.58 min Scan# 726

Delta R.T. 0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 31076

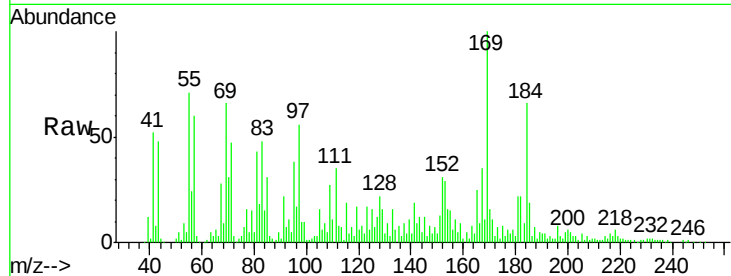
Ion Ratio Lower Upper

77 100

182 135.7 1.9 41.9#

105 100.9 3.5 43.5#

51 29.4 6.3 46.3

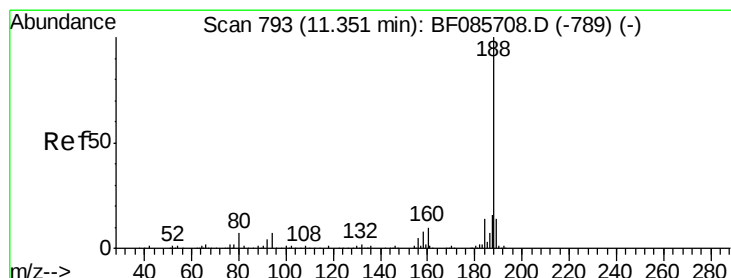
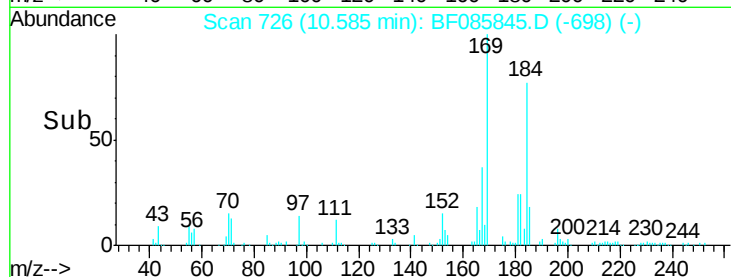
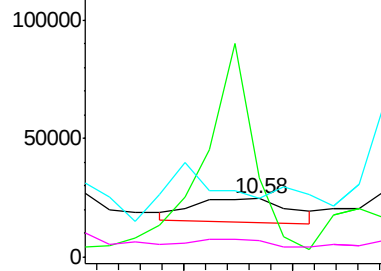


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

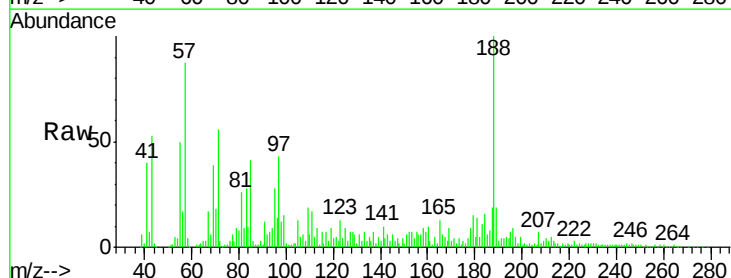
Tgt Ion: 188 Resp: 292328

Ion Ratio Lower Upper

188 100

94 8.8 5.4 8.0#

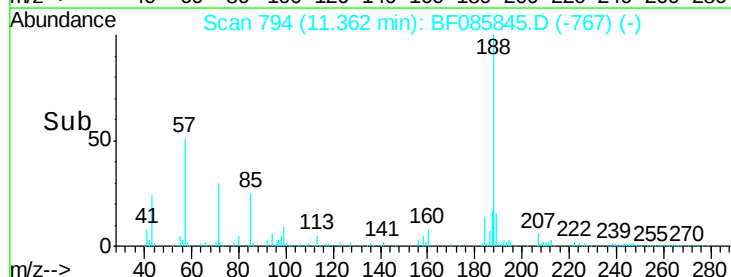
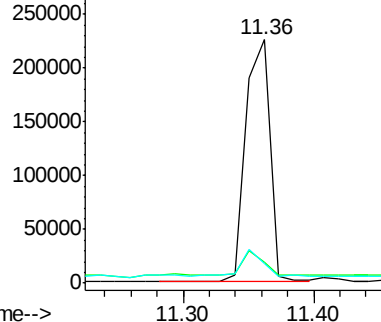
80 8.1 5.5 8.3

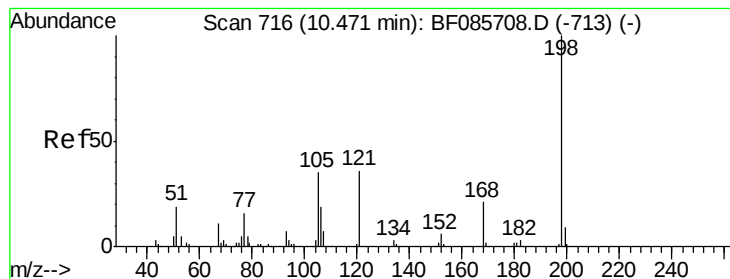


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.68 ng

RT: 10.52 min Scan# 720

Delta R.T. 0.05 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

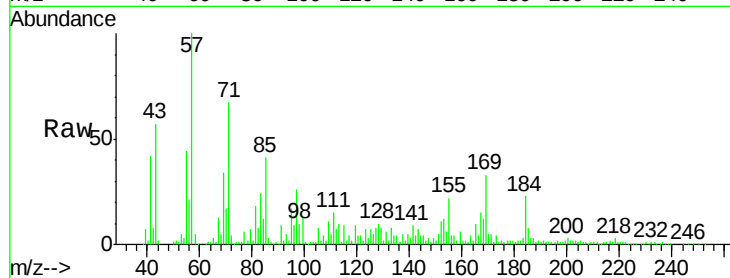
Tot Ion:198 Resp: 4588

Ion Ratio Lower Upper

198 100

51 149.2 45.4 85.4#

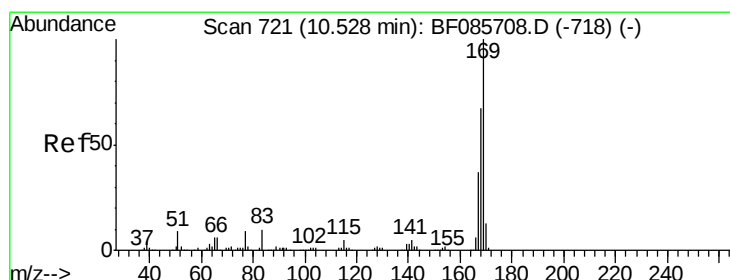
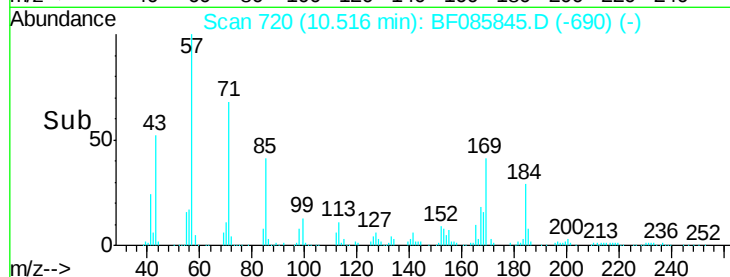
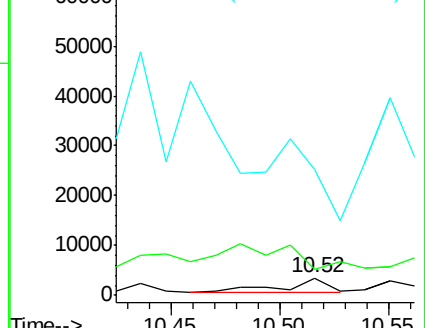
105 730.2 45.9 85.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 38.23 ng

RT: 10.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

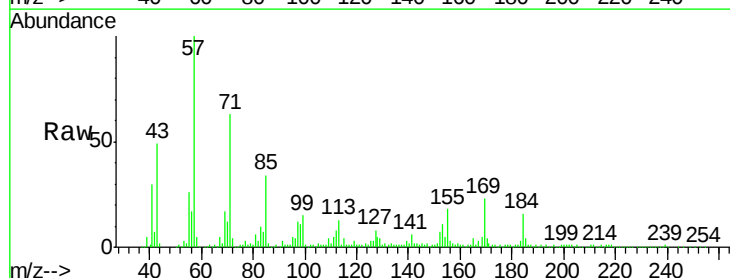
Tgt Ion:169 Resp: 353959

Ion Ratio Lower Upper

169 100

168 23.3 54.4 81.6#

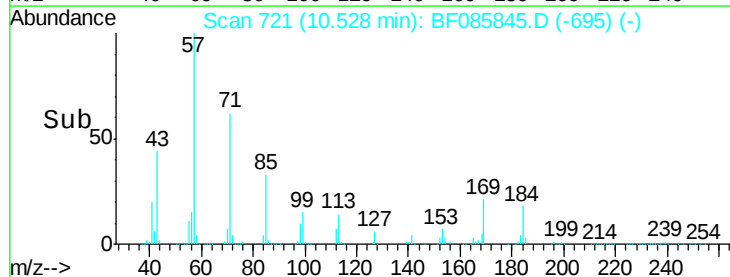
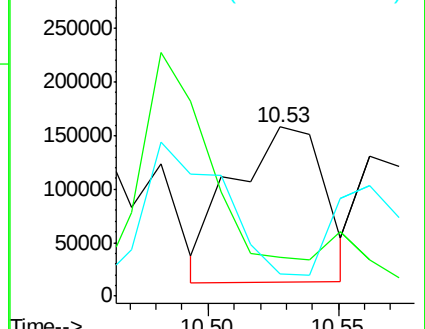
167 13.1 29.4 44.0#

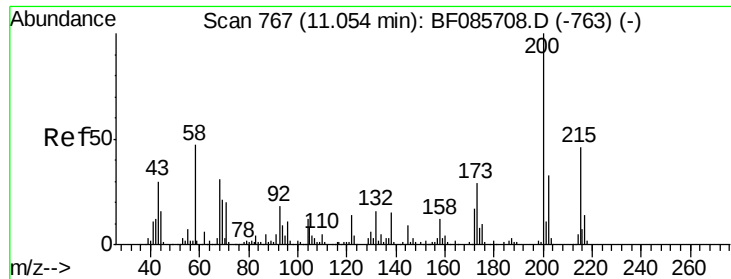


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 3.93 ng

RT: 11.08 min Scan# 769

Delta R.T. 0.02 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampled :

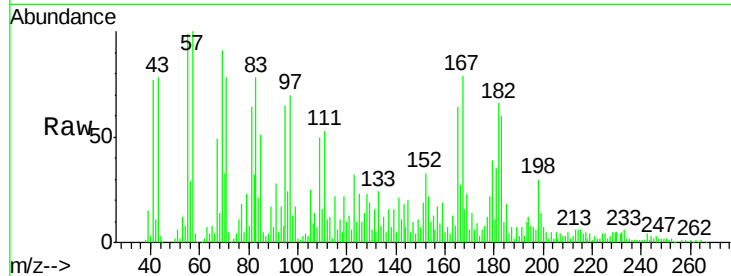
Tot Ion:200 Resp: 12272

Ion Ratio Lower Upper

200 100

173 132.2 7.7 47.7#

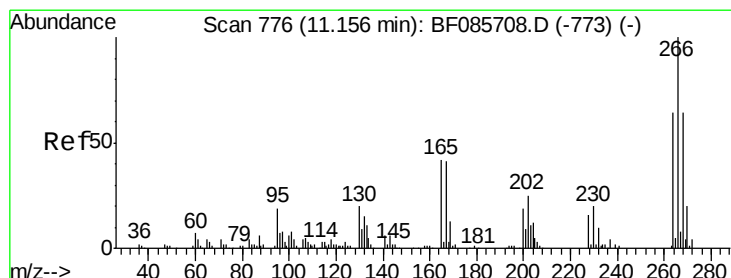
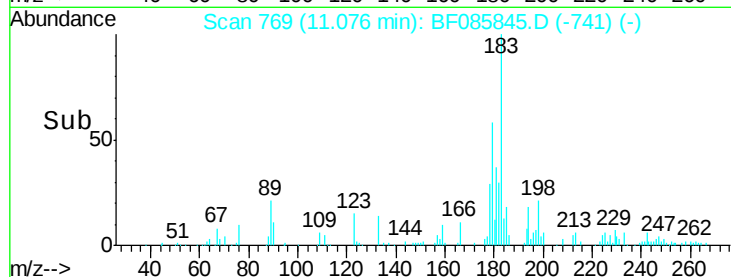
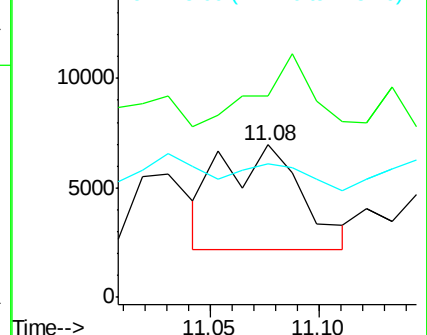
215 87.9 25.4 65.4#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 2.56 ng

RT: 11.19 min Scan# 779

Delta R.T. 0.03 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

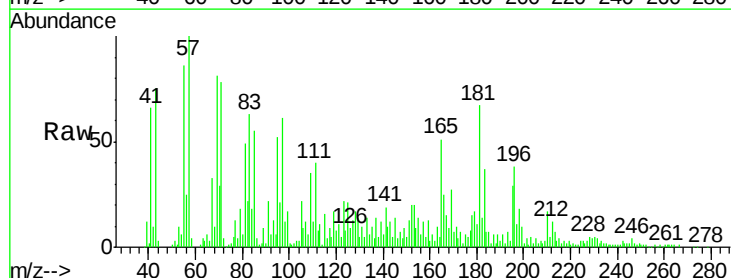
Tgt Ion:266 Resp: 3932

Ion Ratio Lower Upper

266 100

268 0.0 51.5 77.3#

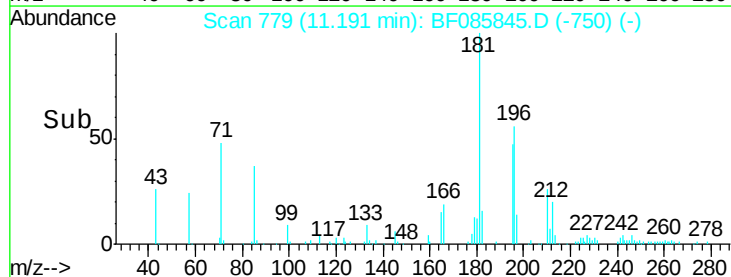
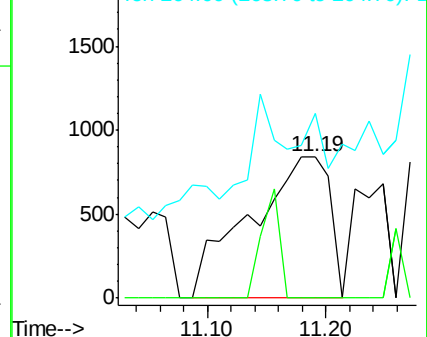
264 130.5 50.6 76.0#

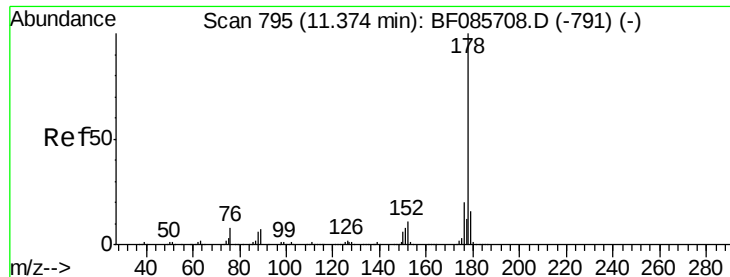


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 27.01 ng

RT: 11.38 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

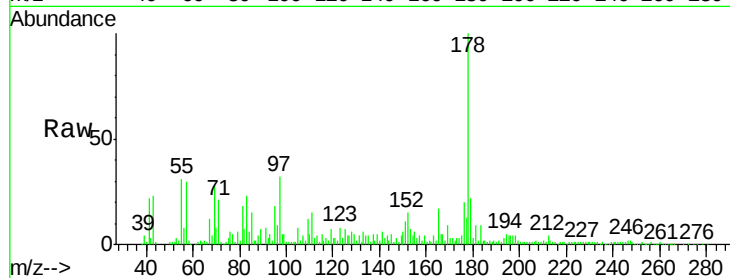
Tot Ion:178 Resp: 405356

Ion Ratio Lower Upper

178 100

176 19.9 16.3 24.5

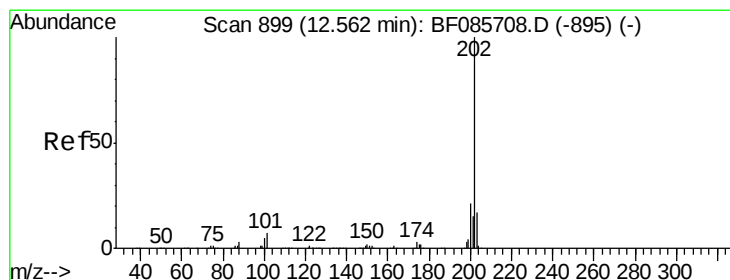
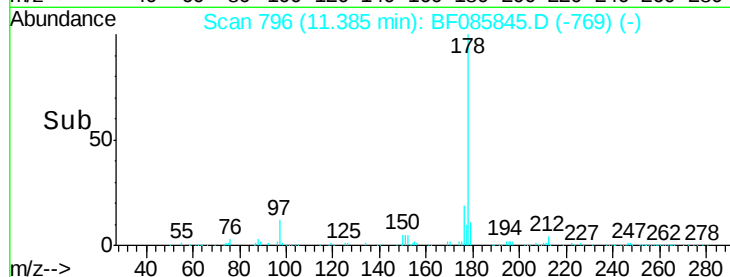
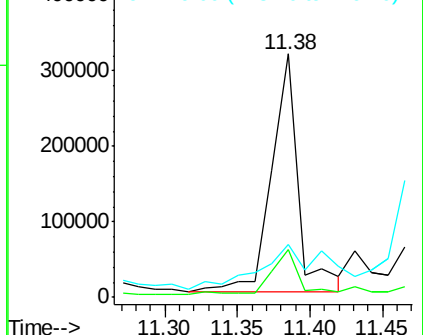
179 21.8 12.6 18.8#



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: 6.02 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.23 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

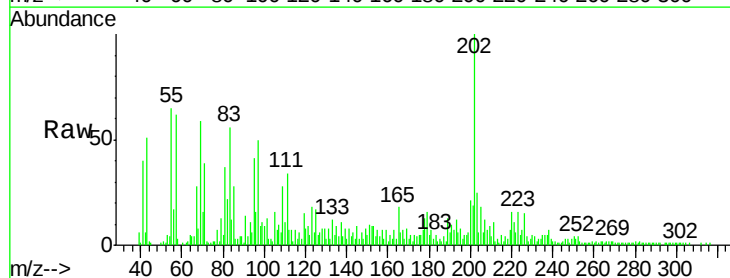
Tgt Ion:202 Resp: 95970

Ion Ratio Lower Upper

202 100

101 13.2 0.0 36.6

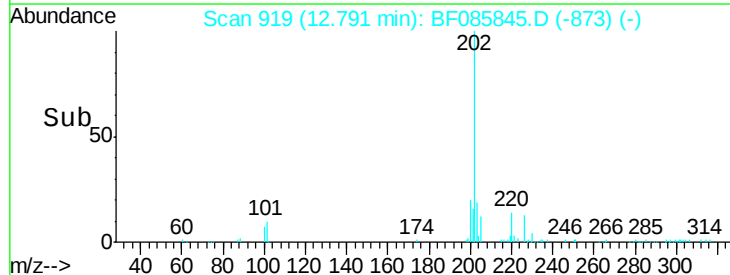
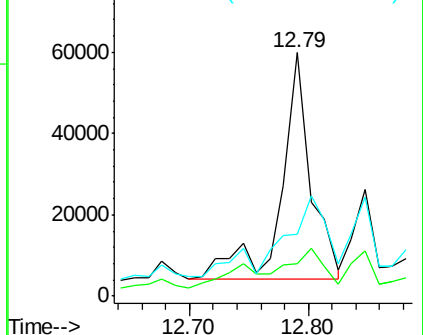
203 25.2 0.0 38.1

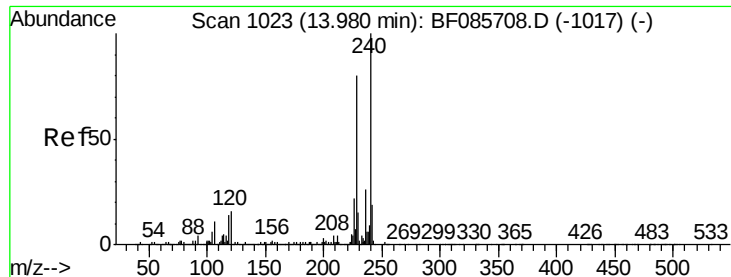


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF085845.D

Acq: 29 Mar 2016 11:43

Instrument :

BNA_F

ClientSampleId :

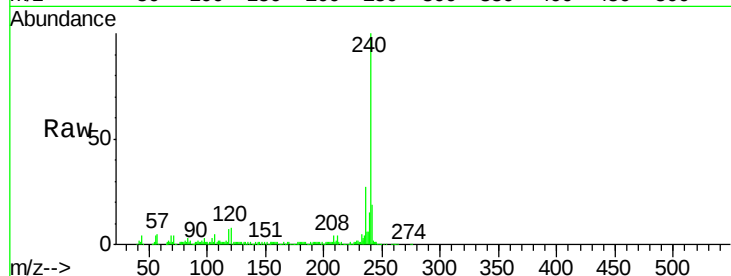
Tot Ion:240 Resp: 231669

Ion Ratio Lower Upper

240 100

120 8.0 13.8 20.8#

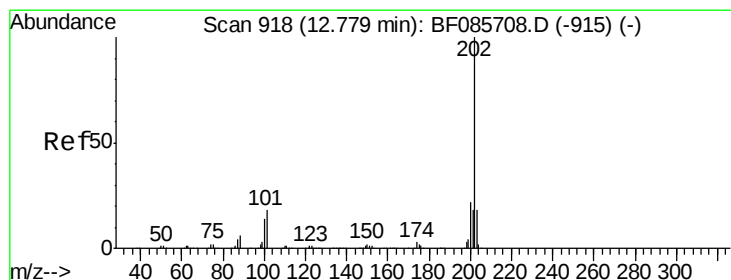
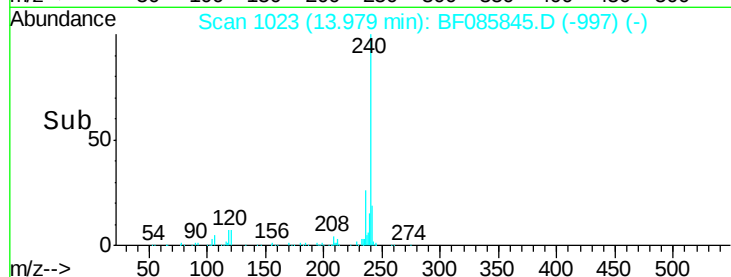
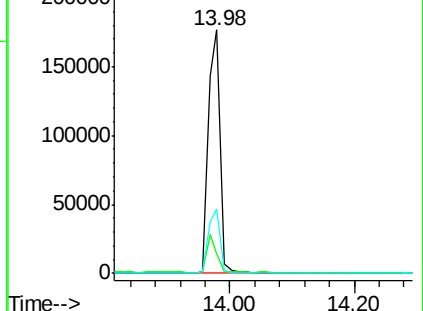
236 26.5 20.6 30.8



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: 5.04 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085845.D

Acq: 29 Mar 2016 11:43

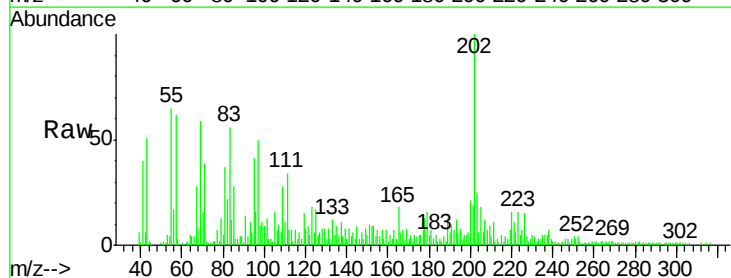
Tgt Ion:202 Resp: 95970

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

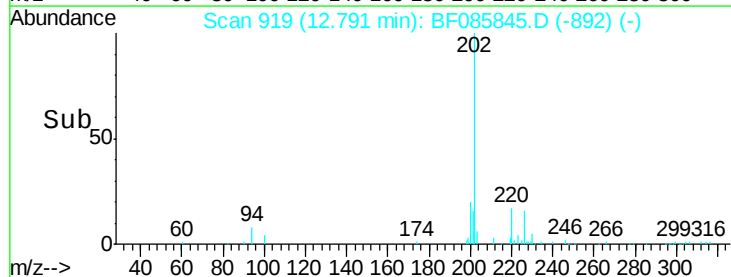
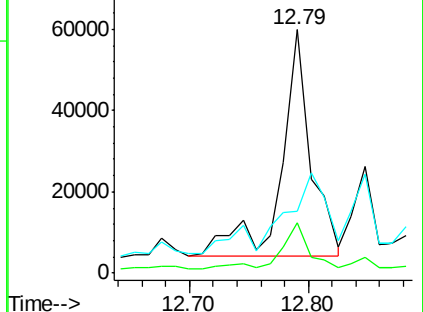
203 25.2 14.0 21.0#

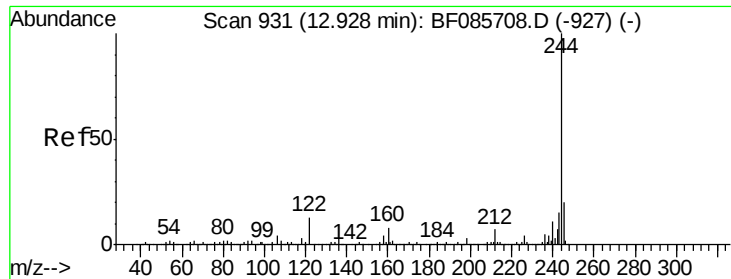


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

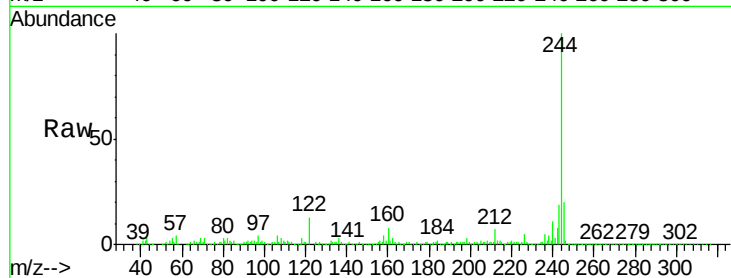




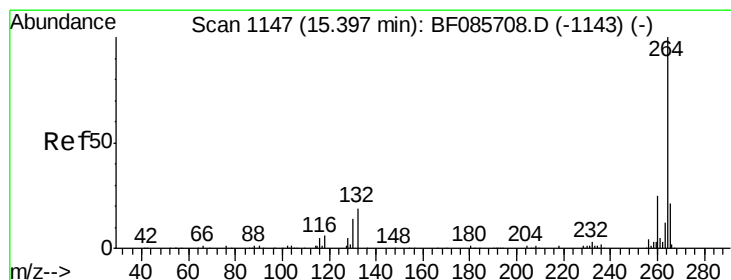
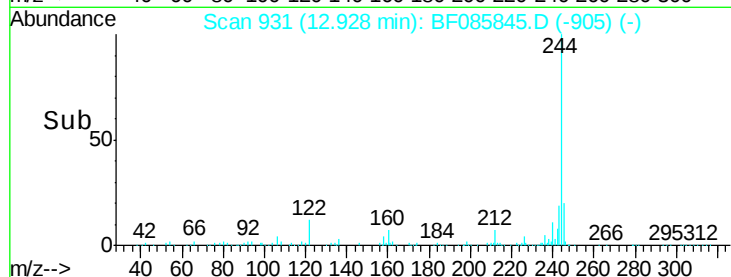
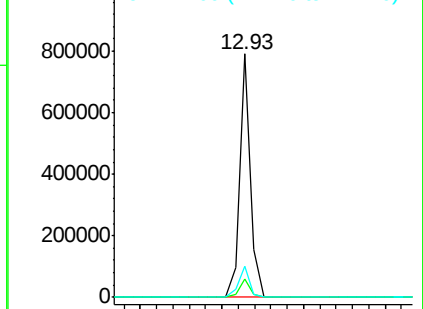
#78
 Terphenyl-d14
 Concen: 63.81 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 718826
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 12.7 10.2 15.4

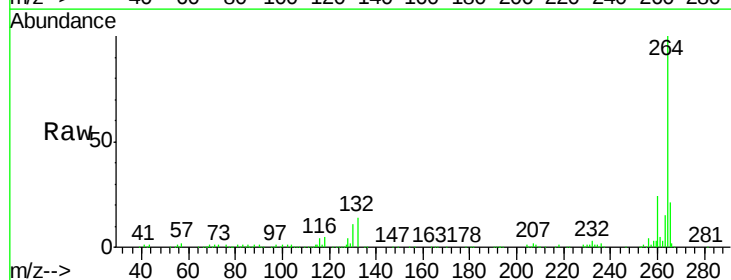


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085845.D
 Acq: 29 Mar 2016 11:43

Tgt Ion:264 Resp: 239689
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.3 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

