

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030216\
 Data File : BF085136.D
 Acq On : 2 Mar 2016 23:06
 Operator : SJ/IZ
 Sample : H1623-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 01:49:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	165881	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	684969	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	292604	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	506773	20.00	ng	0.00
75) Chrysene-d12	14.15	240	361279	20.00	ng	0.00
86) Perylene-d12	15.63	264	379340	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1406652	137.67	ng	0.03
7) Phenol-d6	6.62	99	1667691	124.50	ng	0.00
23) Nitrobenzene-d5	7.56	82	1215790	94.43	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	490922	166.95	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1697128	85.42	ng	0.00
78) Terphenyl-d14	13.10	244	1468921	95.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.70	88	448	0.09	ng	# 22
4) n-Nitrosodimethylamine	3.38	42	134	0.02	ng	# 1
6) Aniline	6.76	93	1826	0.10	ng	# 1
8) 2-Chlorophenol	6.78	128	724	0.06	ng	# 92
9) Benzaldehyde	6.62	77	2386	Below Cal		# 4
10) Phenol	6.63	94	733	0.05	ng	# 54
11) bis(2-Chloroethyl)ether	6.76	93	1826	0.15	ng	# 1
15) Benzyl Alcohol	7.14	79	19891	2.04	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	7.28	45	243	0.01	ng	# 67
17) 2-Methylphenol	7.12	107	1071	0.11	ng	# 1
19) n-Nitroso-di-n-propylamine	7.56	70	166878	18.90	ng	# 77
22) Acetophenone	7.40	105	861	0.05	ng	# 46
24) Nitrobenzene	7.56	77	3460	0.26	ng	# 39
27) 2,4-Dimethylphenol	7.96	122	3875	0.33	ng	# 6
31) Naphthalene	8.30	128	55595	1.60	ng	# 97
32) Benzoic acid	7.96	122	3875	12.83	ng	# 89
33) 4-Chloroaniline	8.38	127	272	0.02	ng	# 1
37) 2-Methylnaphthalene	8.98	142	7582	0.36	ng	# 100
45) 1,1'-Biophenyl	9.45	154	2819	0.11	ng	# 91
47) 2-Nitroaniline	9.35	65	3071	0.52	ng	# 1
48) Acenaphthylene	9.89	152	1030	0.04	ng	# 58
50) 2,6-Dinitrotoluene	10.02	165	37636	8.37	ng	# 22
51) Acenaphthene	10.06	154	10369	0.59	ng	# 98
54) Dibenzofuran	10.23	168	6162	0.27	ng	# 96
55) 4-Nitrophenol	10.23	139	2259	0.55	ng	# 21
56) 2,4-Dinitrotoluene	10.02	165	37638	6.21	ng	# 19
57) Fluorene	10.57	166	5494	0.30	ng	# 99
59) Diethylphthalate	10.45	149	1721	0.08	ng	# 57
62) Azobenzene	10.74	77	480	0.02	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.81	198	987	7.48	ng	# 1
65) n-Nitrosodiphenylamine	10.81	169	12237	0.77	ng	# 46
66) 4-Bromophenyl-phenylether	10.82	248	28777	5.41	ng	# 1
69) Pentachlorophenol	11.32	266	239	0.07	ng	# 18
70) Phenanthrene	11.53	178	9178	0.36	ng	# 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

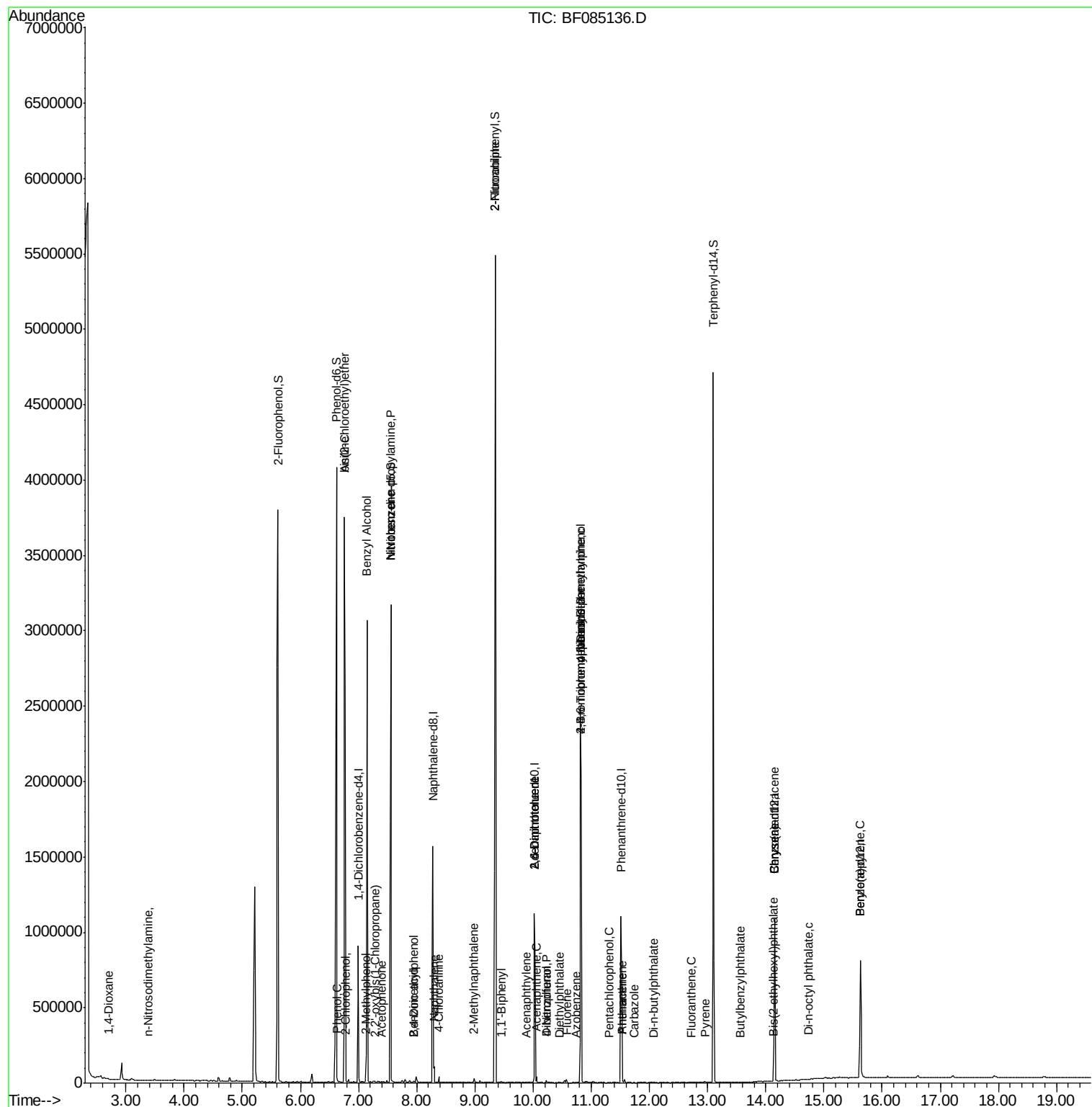
71) Anthracene	11.53	178	9178	0.32	nq	99
72) Carbazole	11.74	167	477	0.02	nq	# 57
73) Di-n-butylphthalate	12.07	149	2147	0.07	nq	# 78
74) Fluoranthene	12.72	202	572	0.02	nq	62
77) Pyrene	12.95	202	2276	0.09	nq	# 94
79) Butylbenzylphthalate	13.57	149	215	0.02	nq	# 38
80) Benzo(a)anthracene	14.15	228	832	0.04	nq	# 52
82) Chrysene	14.15	228	832	0.04	nq	# 50
83) Bis(2-ethylhexyl)phthalate	14.13	149	1363	0.11	nq	# 99
84) Di-n-octyl phthalate	14.73	149	536	0.03	nq	# 1
89) Benzo(a)pyrene	15.63	252	1021	0.05	nq	# 69

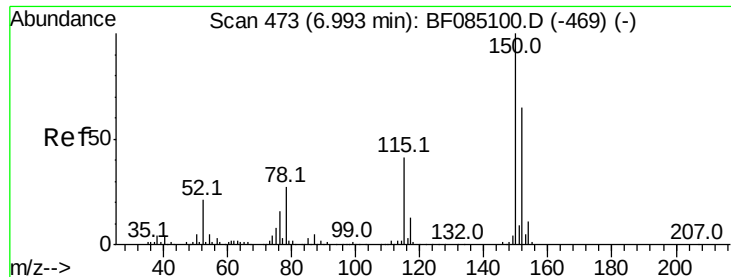
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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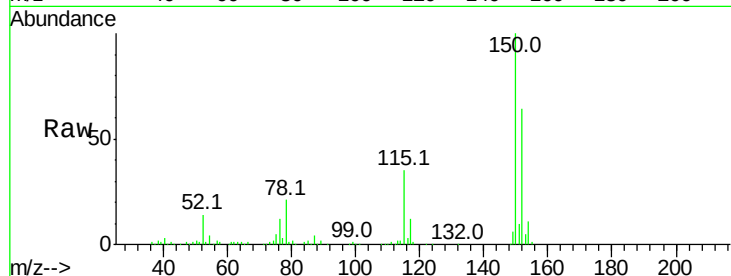


#1

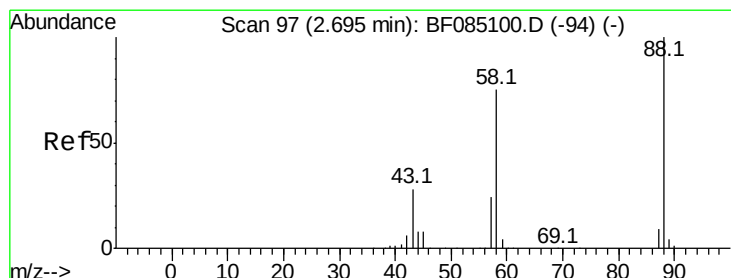
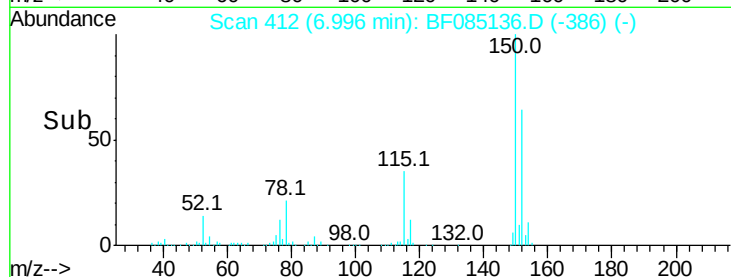
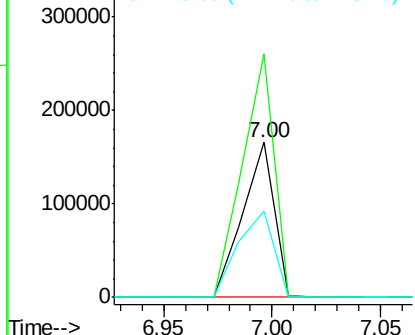
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 412
 Delta R.T. 0.00 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 165881
 Ion Ratio Lower Upper
 152 100
 150 157.2 123.4 185.0
 115 55.7 50.0 75.0



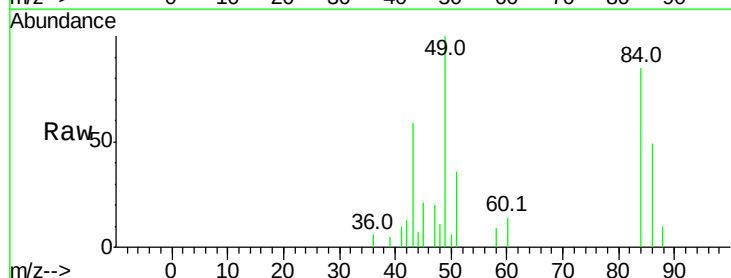
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



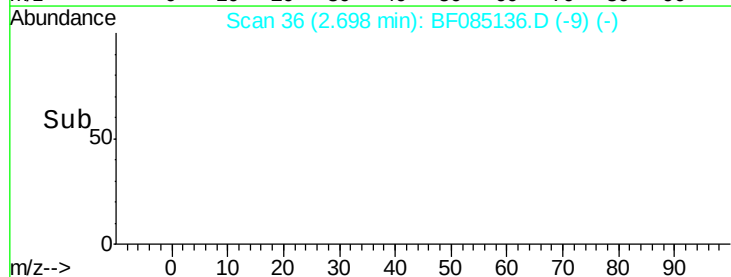
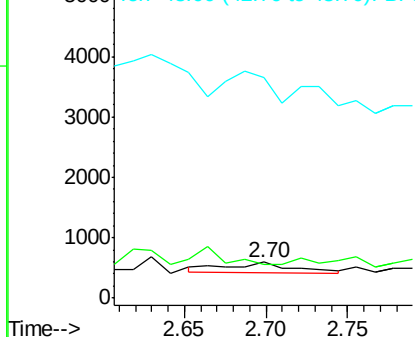
#2

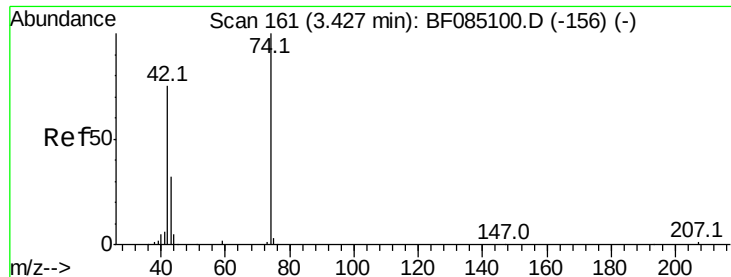
1,4-Dioxane
 Concen: 0.09 ng
 RT: 2.70 min Scan# 36
 Delta R.T. 0.00 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Tgt Ion: 88 Resp: 448
 Ion Ratio Lower Upper
 88 100
 58 0.0 58.4 87.6#
 43 0.0 22.2 33.4#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.38 min Scan# 96

Delta R.T. -0.04 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

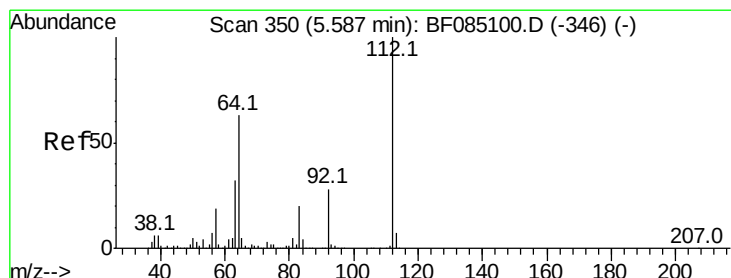
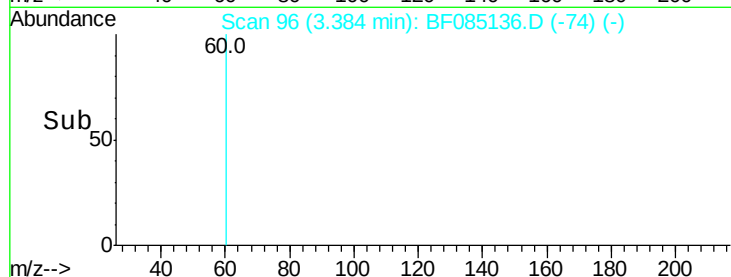
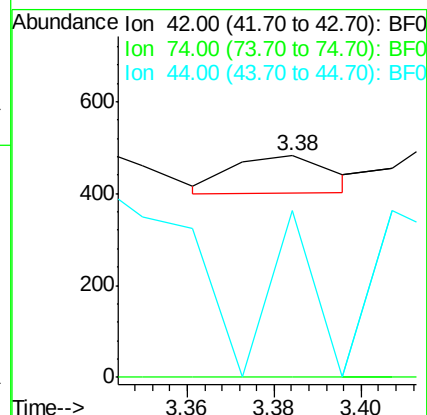
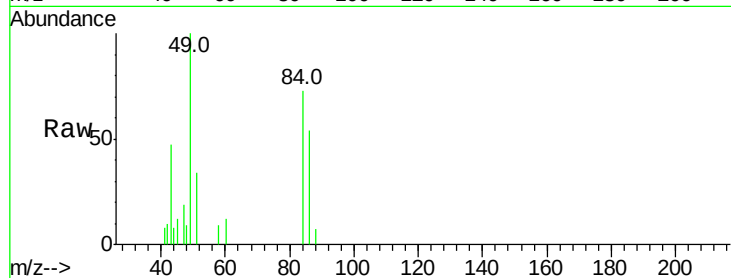
Tot Ion: 42 Resp: 134

Ion Ratio Lower Upper

42 100

74 0.0 106.6 160.0#

44 75.5 5.4 8.2#



#5

2-Fluorophenol

Concen: 137.67 ng

RT: 5.61 min Scan# 291

Delta R.T. 0.03 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

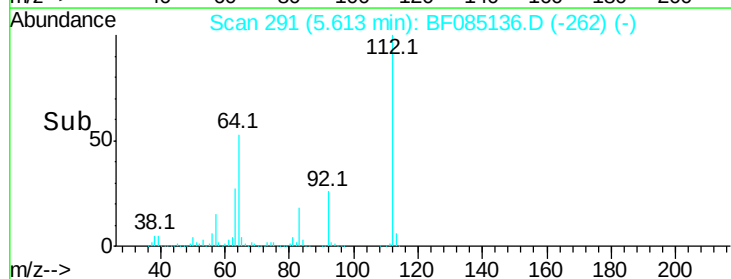
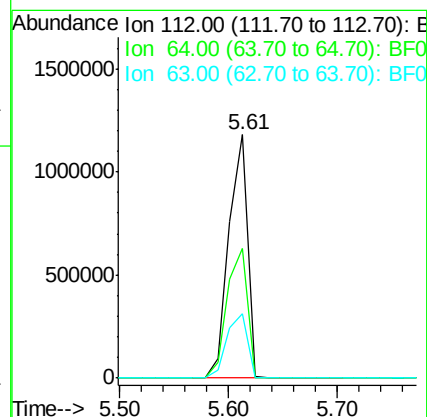
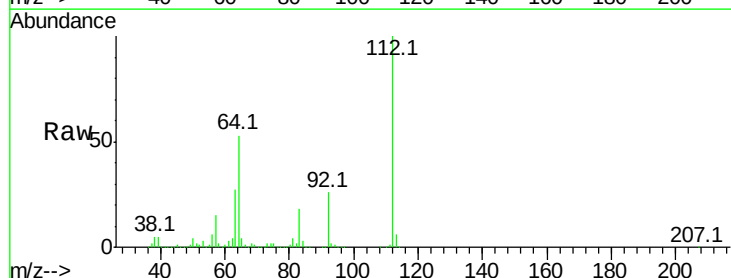
Tgt Ion: 112 Resp: 1406652

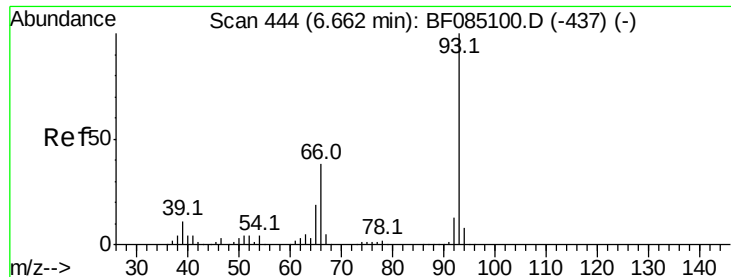
Ion Ratio Lower Upper

112 100

64 53.1 50.6 76.0

63 26.6 25.5 38.3





#6

Aniline

Concen: 0.10 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.09 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

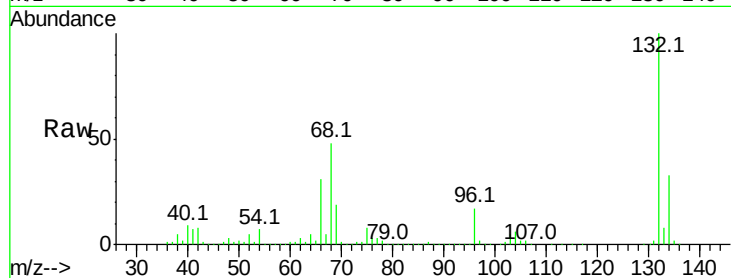
Tot Ion: 93 Resp: 1826

Ion Ratio Lower Upper

93 100

66 20831.2 30.1 45.1#

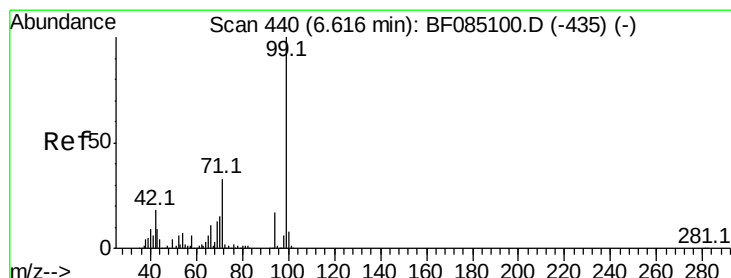
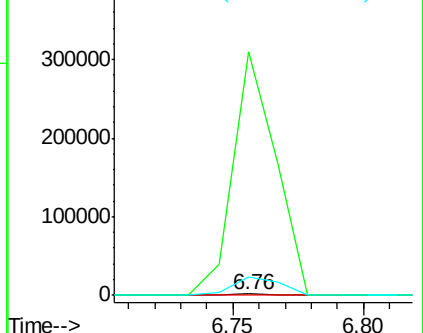
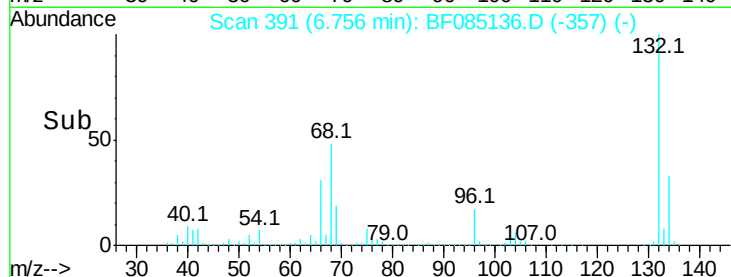
65 1568.3 15.0 22.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 124.50 ng

RT: 6.62 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

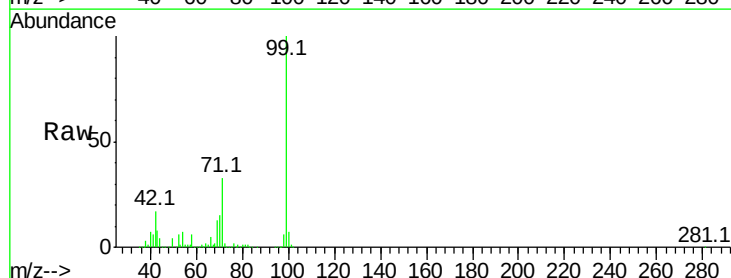
Tgt Ion: 99 Resp: 1667691

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

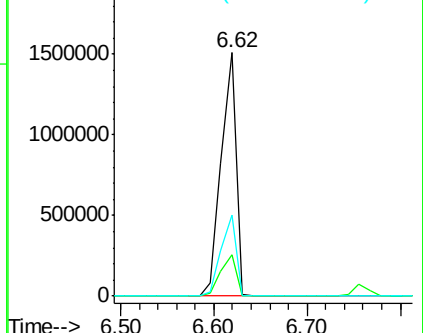
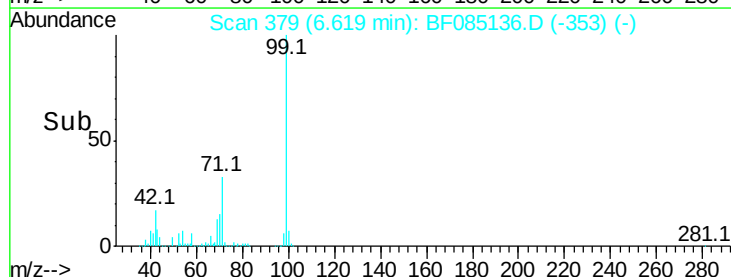
71 33.4 26.8 40.2

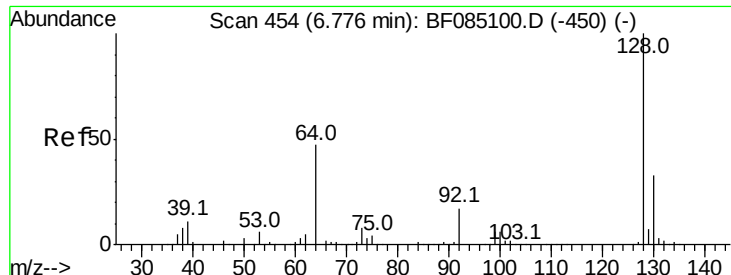


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.06 na

RT: 6.78 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

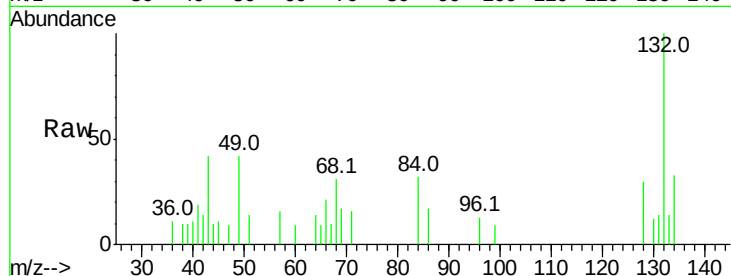
Tot Ion:128 Resp: 724

Ion Ratio Lower Upper

128 100

130 38.6 13.1 53.1

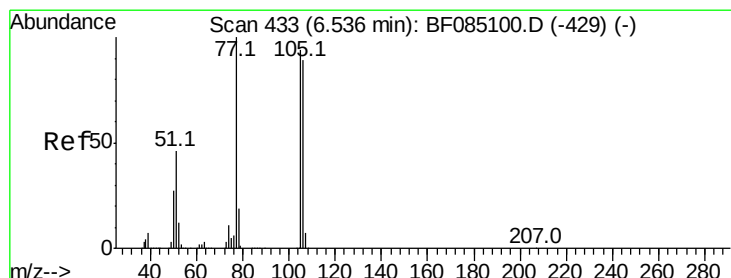
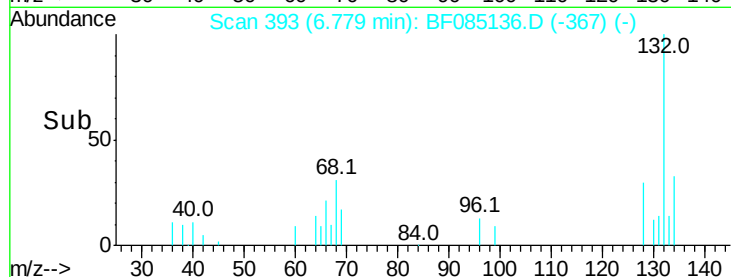
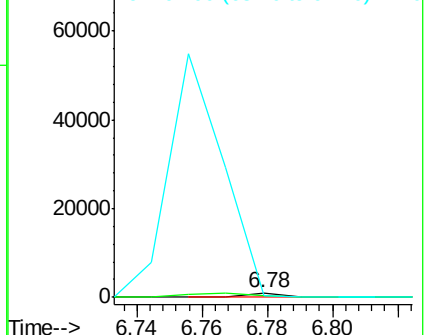
64 45.0 29.6 69.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.62 min Scan# 379

Delta R.T. 0.08 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

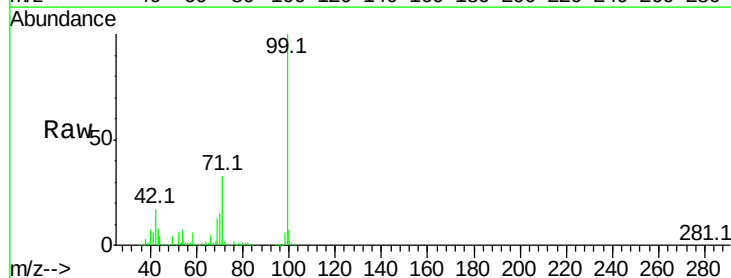
Tgt Ion: 77 Resp: 2386

Ion Ratio Lower Upper

77 100

105 0.0 73.7 113.7#

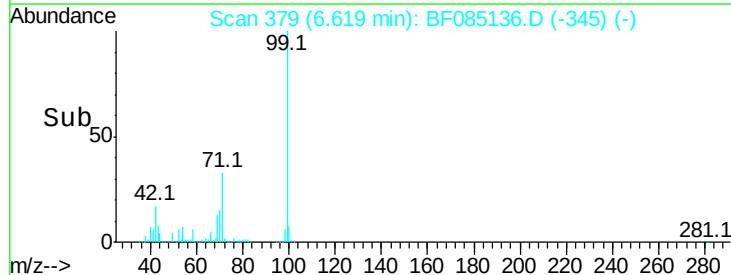
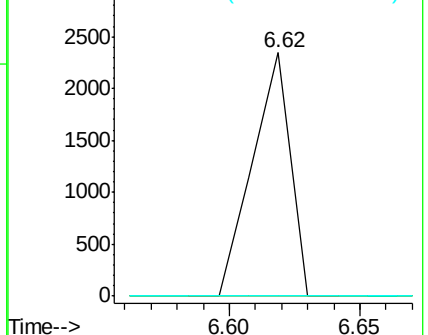
106 0.0 69.2 109.2#

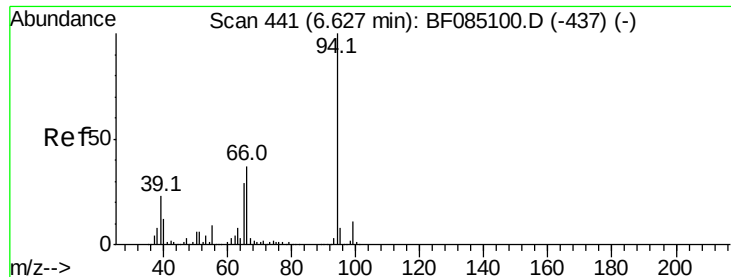


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.05 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

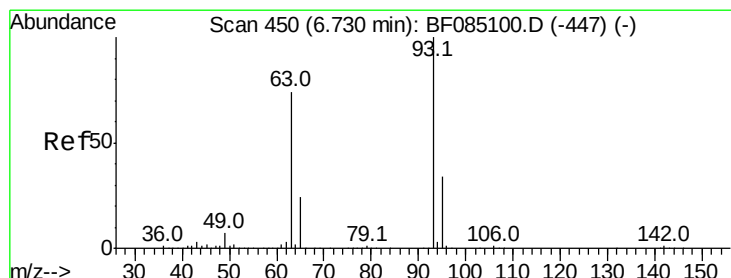
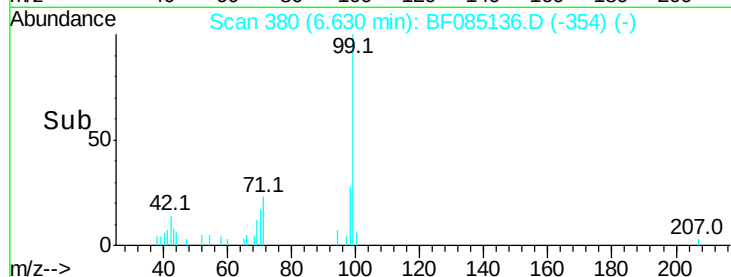
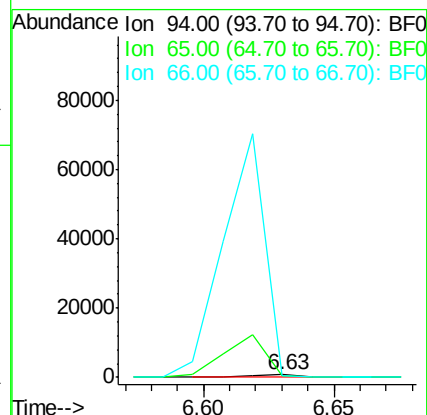
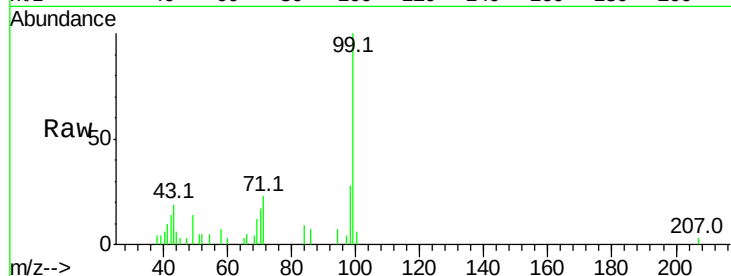
Tot Ion: 94 Resp: 733

Ion Ratio Lower Upper

94 100

65 44.6 9.1 49.1

66 73.2 17.5 57.5#



#11

bis(2-Chloroethyl)ether

Concen: 0.15 ng

RT: 6.76 min Scan# 391

Delta R.T. 0.03 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

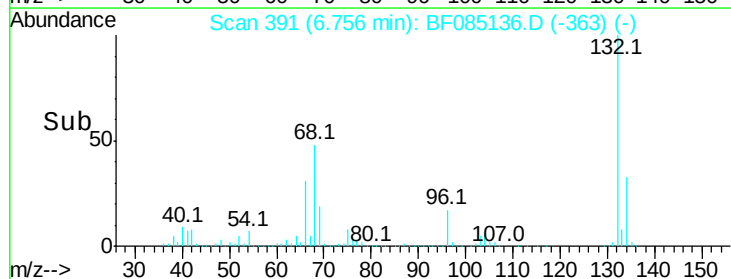
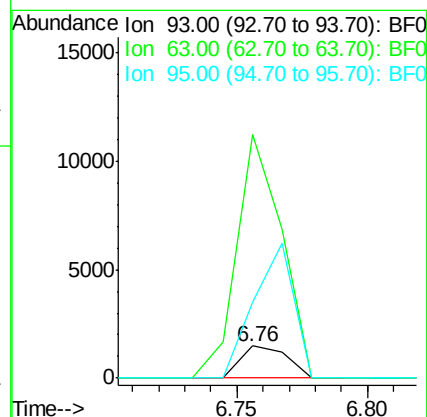
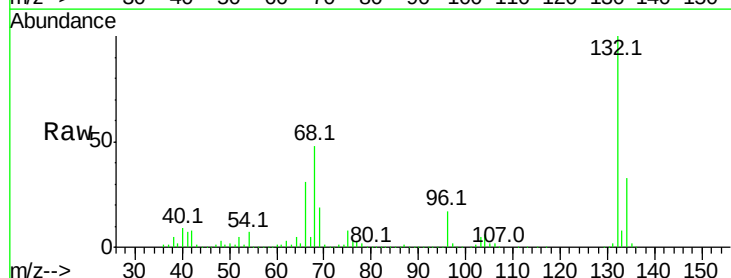
Tgt Ion: 93 Resp: 1826

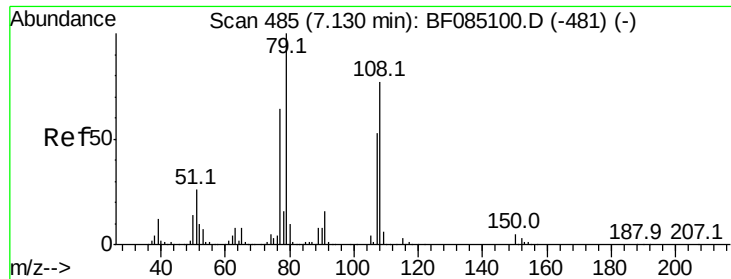
Ion Ratio Lower Upper

93 100

63 755.7 53.9 93.9#

95 234.8 13.8 53.8#





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 7.14 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampled :

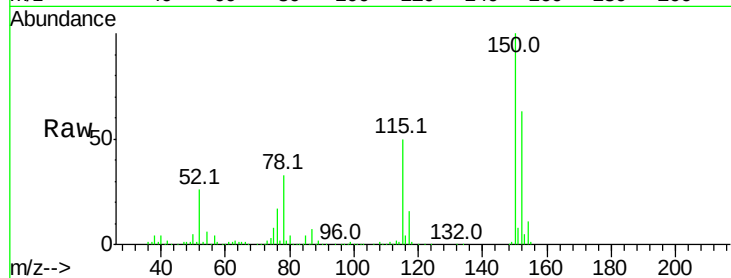
Tot Ion: 79 Resp: 19891

Ion Ratio Lower Upper

79 100

108 29.7 61.8 92.6#

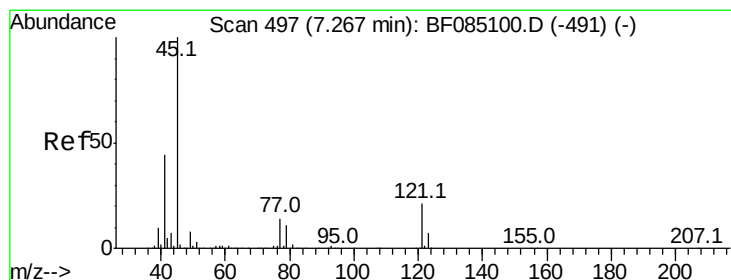
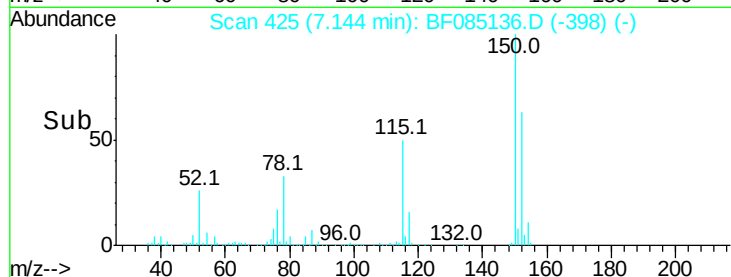
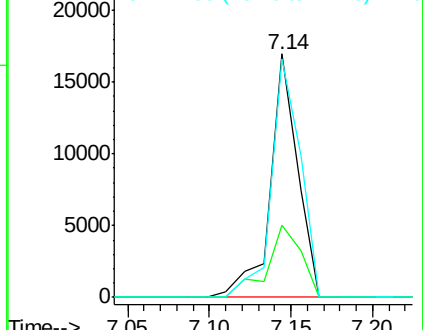
77 98.0 51.2 76.8#



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.01 ng

RT: 7.28 min Scan# 437

Delta R.T. 0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

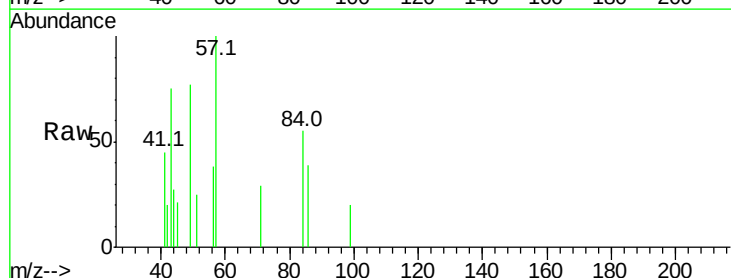
Tgt Ion: 45 Resp: 243

Ion Ratio Lower Upper

45 100

77 0.0 0.0 34.4

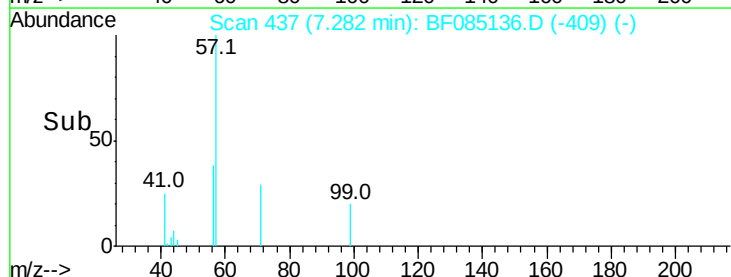
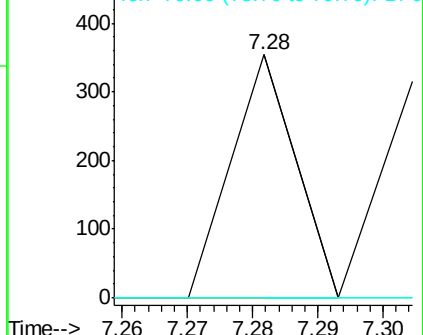
79 0.0 0.0 31.1

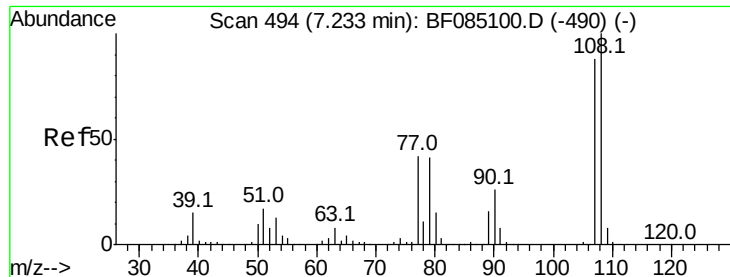


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 0.11 ng

RT: 7.12 min Scan# 423

Delta R.T. -0.11 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 1071

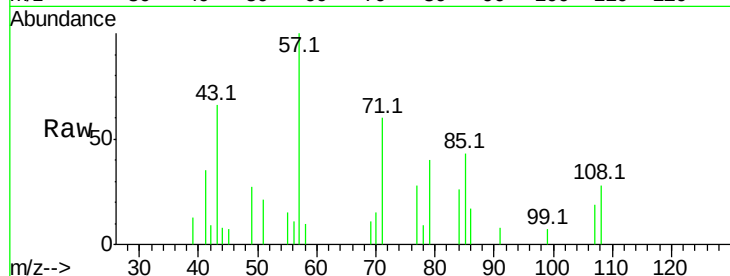
Ion Ratio Lower Upper

107 100

108 146.0 91.4 137.2#

77 149.7 38.7 58.1#

79 212.6 37.8 56.6#

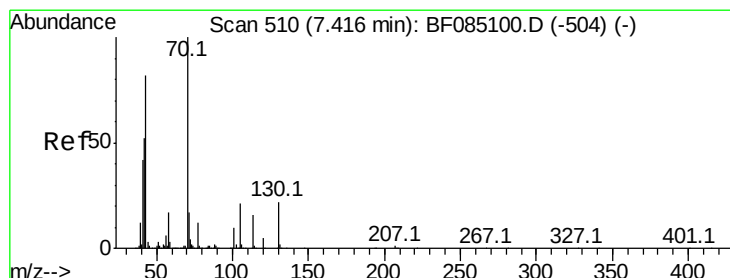
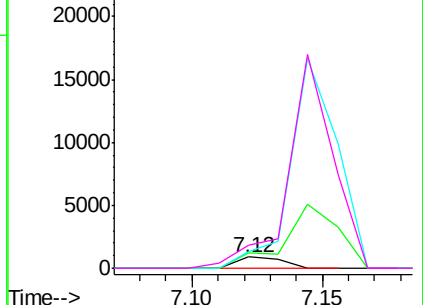
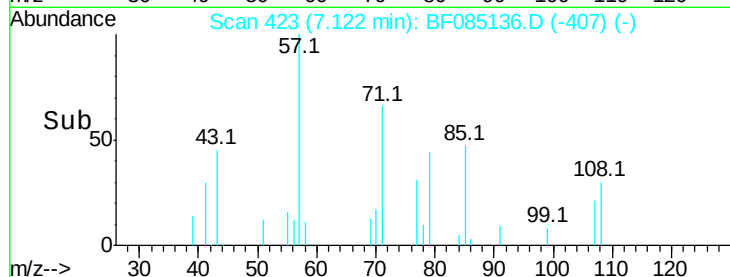


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.90 ng

RT: 7.56 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Tgt Ion: 70 Resp: 166878

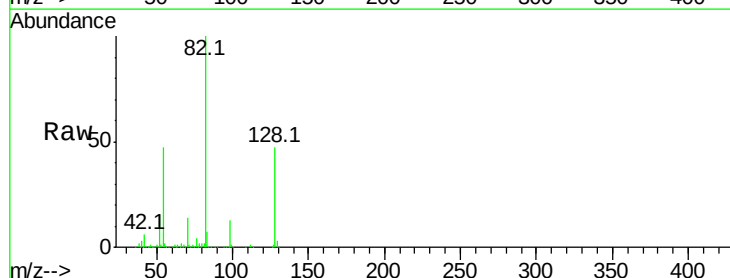
Ion Ratio Lower Upper

70 100

42 41.3 41.9 62.9#

101 0.0 7.8 11.8#

130 2.3 17.2 25.8#

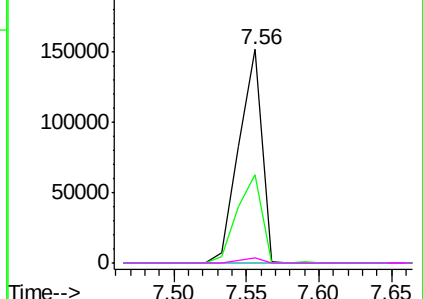
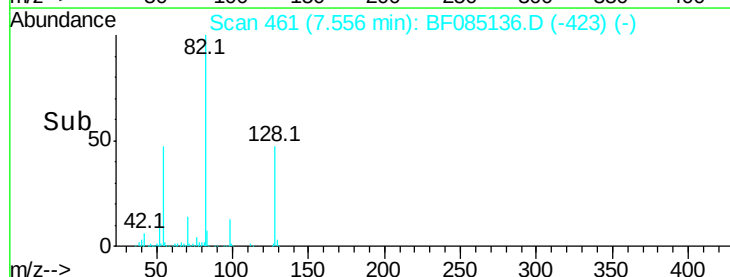


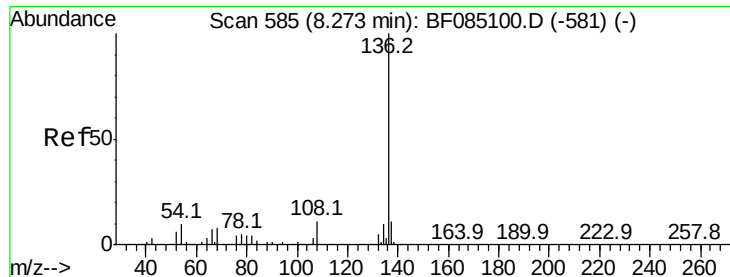
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

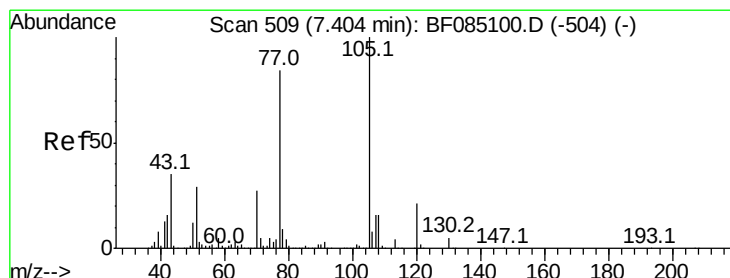
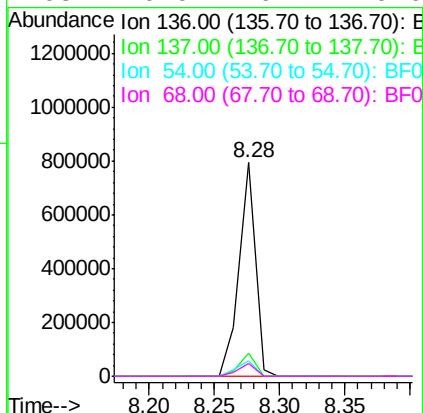
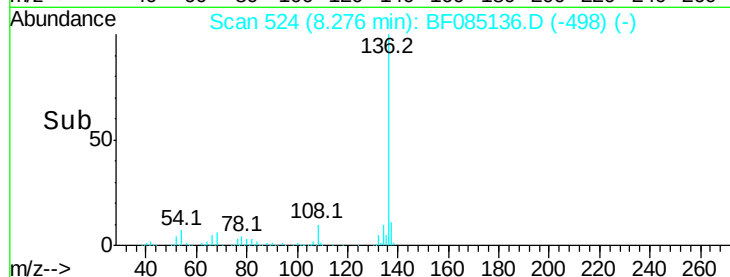
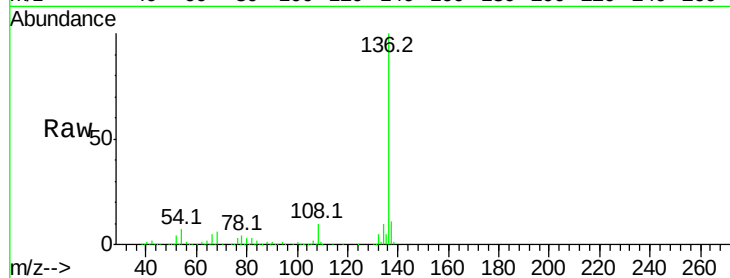




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.28 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF085136.D
Acq: 2 Mar 2016 23:06

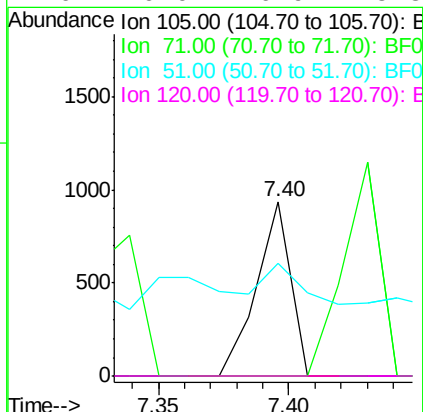
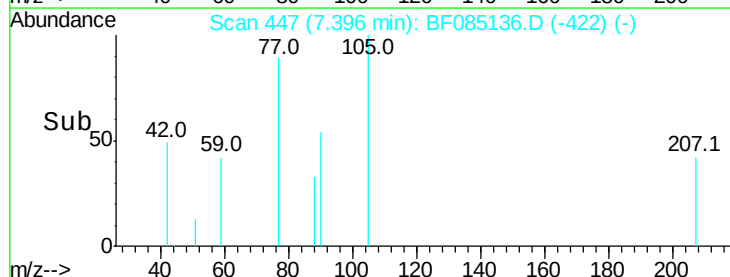
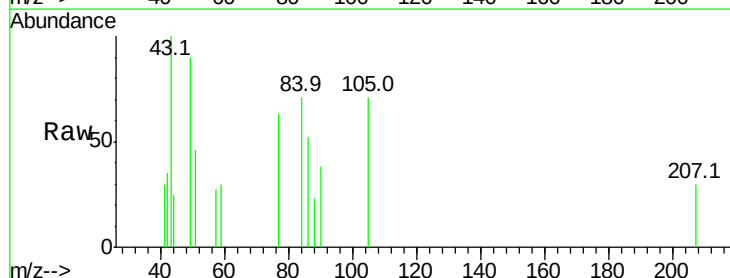
Instrument :
BNA_F
ClientSampleId :

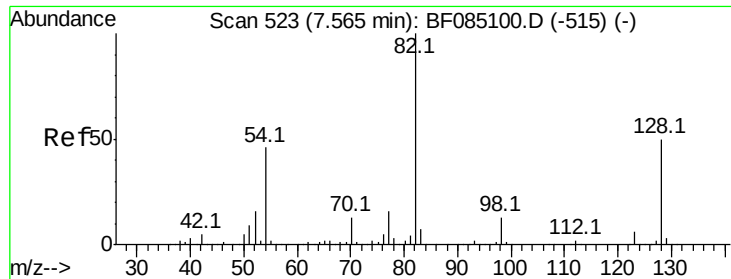
Tot Ion:	136	Resp:	684969
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	7.1	8.5	12.7#
68	6.0	6.4	9.6#



#22
Acetophenone
Concen: 0.05 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF085136.D
Acq: 2 Mar 2016 23:06

Tgt Ion:	105	Resp:	861
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.8	5.6#
51	64.7	22.9	34.3#
120	0.0	16.9	25.3#



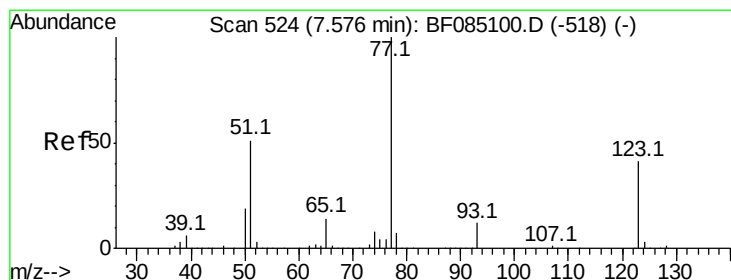
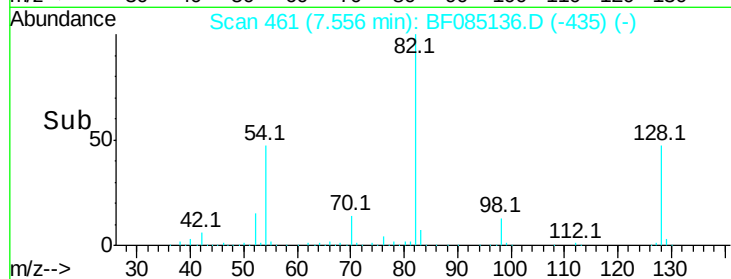
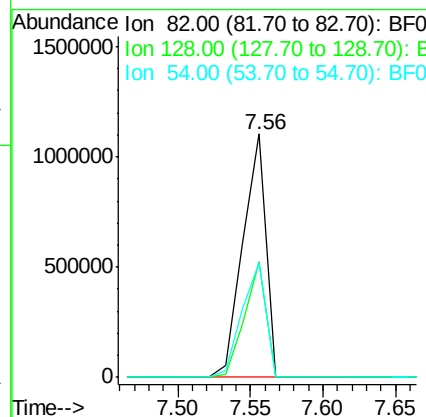
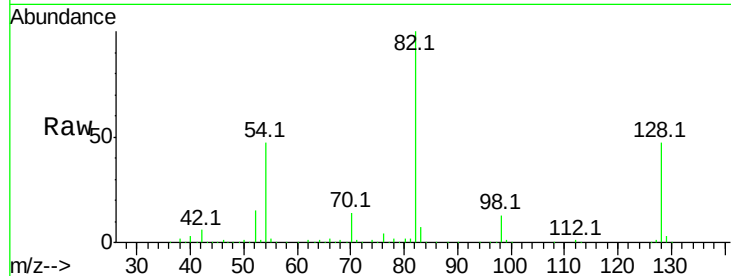


#23
 Nitrobenzene-d5
 Concen: 94.43 ng
 RT: 7.56 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1215790

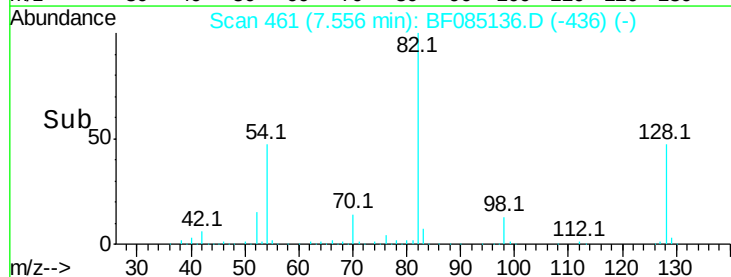
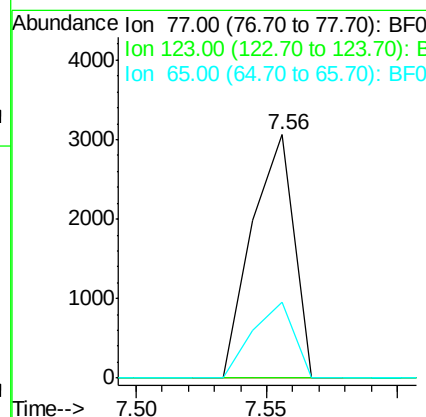
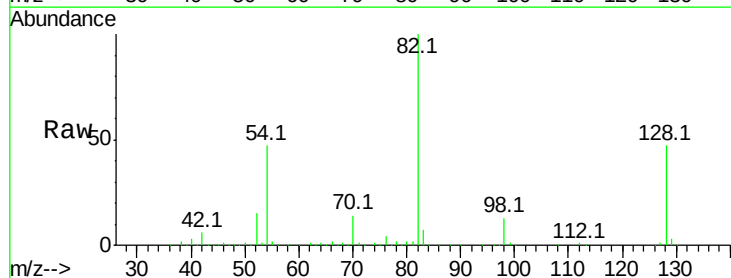
Ion	Ratio	Lower	Upper
82	100		
128	47.2	39.8	59.6
54	47.0	36.6	54.8

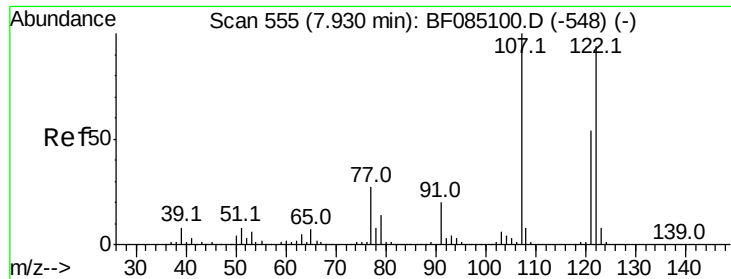


#24
 Nitrobenzene
 Concen: 0.26 ng
 RT: 7.56 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Tgt Ion: 77 Resp: 3460

Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.4	50.2#
65	31.3	10.9	16.3#

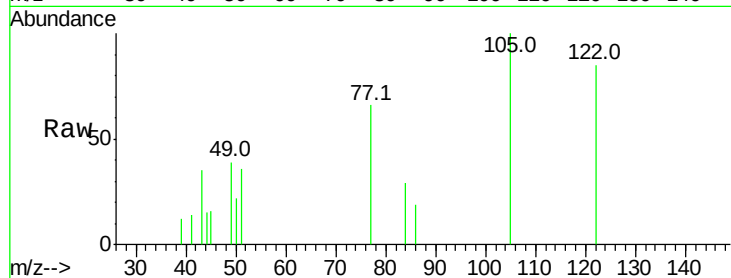




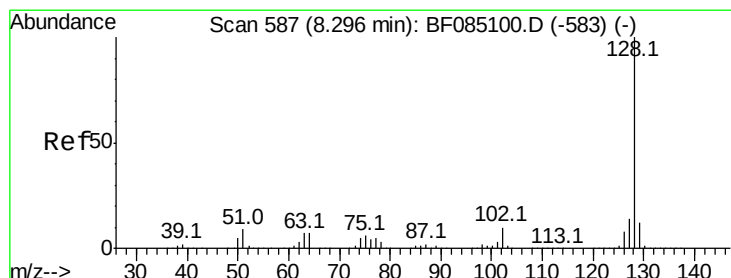
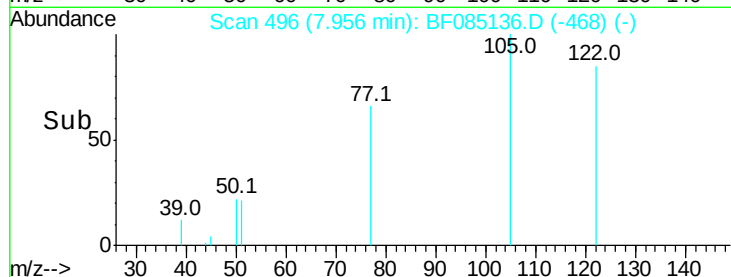
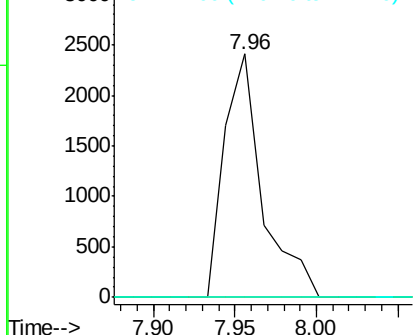
#27
2,4-Dimethylphenol
Concen: 0.33 ng
RT: 7.96 min Scan# 496
Delta R.T. 0.03 min
Lab File: BF085136.D
Acq: 2 Mar 2016 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 3875
Ion Ratio Lower Upper
122 100
107 0.0 85.0 127.4#
121 0.0 45.8 68.8#

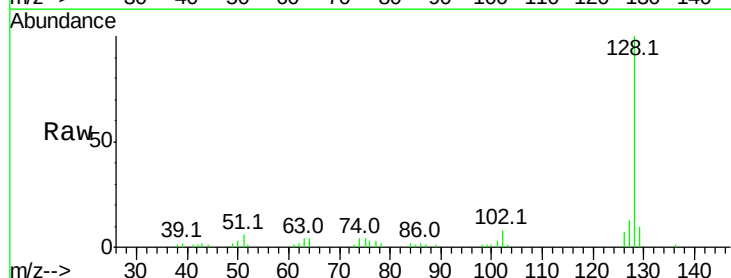


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

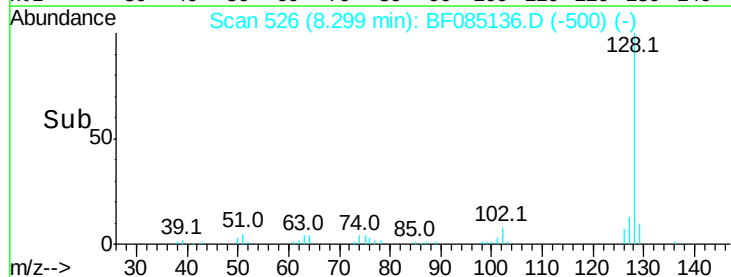
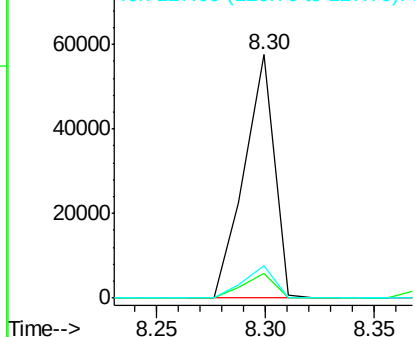


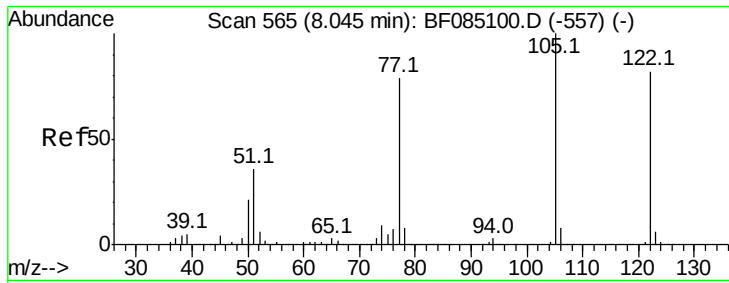
#31
Naphthalene
Concen: 1.60 ng
RT: 8.30 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF085136.D
Acq: 2 Mar 2016 23:06

Tgt Ion:128 Resp: 55595
Ion Ratio Lower Upper
128 100
129 10.1 9.7 14.5
127 13.3 11.1 16.7



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





#32

Benzoic acid

Concen: 12.83 ng

RT: 7.96 min Scan# 496

Delta R.T. -0.09 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

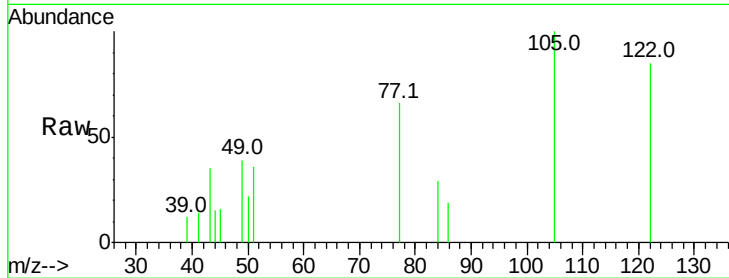
Tot Ion:122 Resp: 3875

Ion Ratio Lower Upper

122 100

105 117.7 102.0 142.0

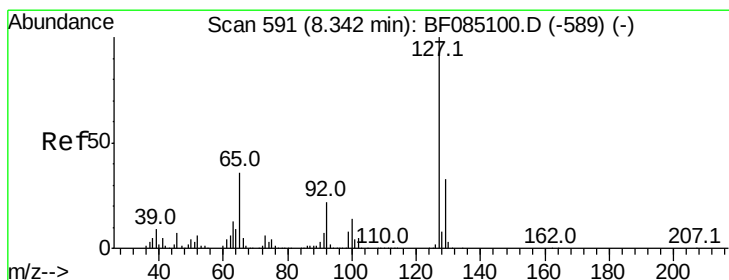
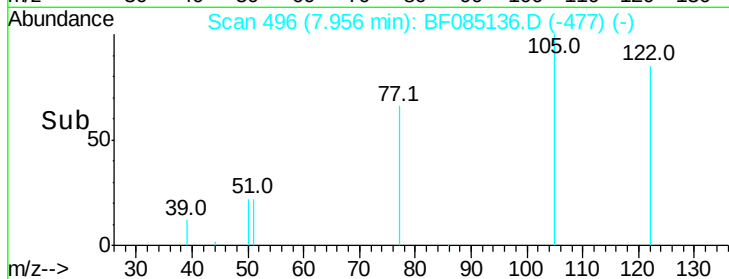
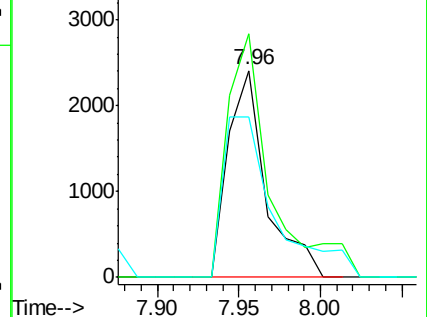
77 77.7 76.8 116.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 0.02 ng

RT: 8.38 min Scan# 533

Delta R.T. 0.04 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Tgt Ion:127 Resp: 272

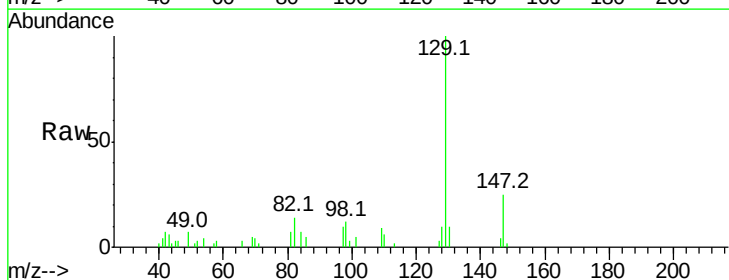
Ion Ratio Lower Upper

127 100

129 3702.0 26.3 39.5#

65 0.0 28.6 43.0#

92 0.0 17.8 26.8#

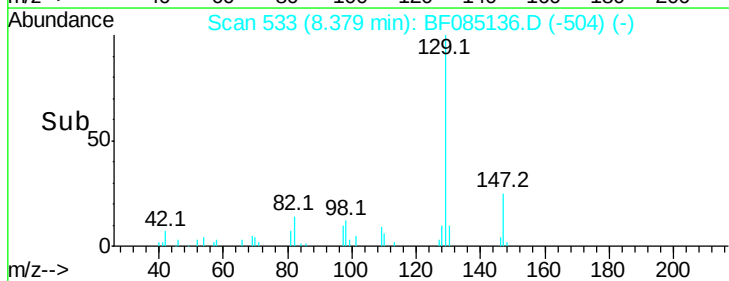
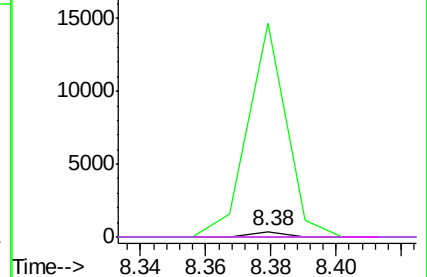


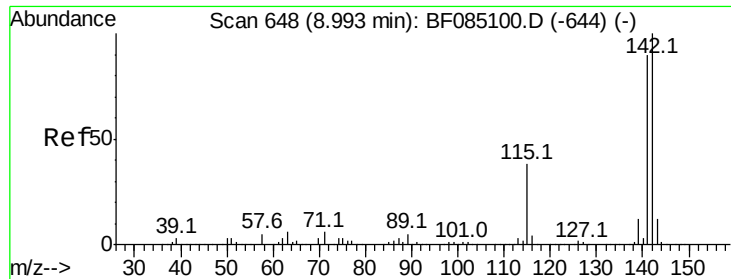
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

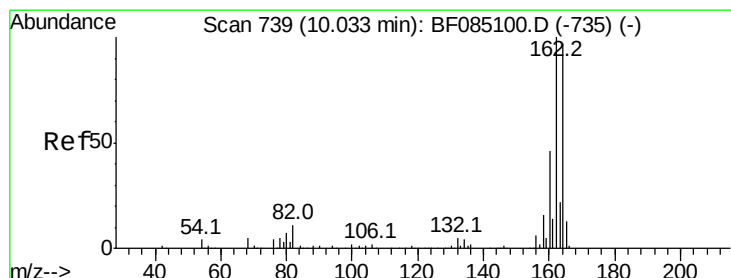
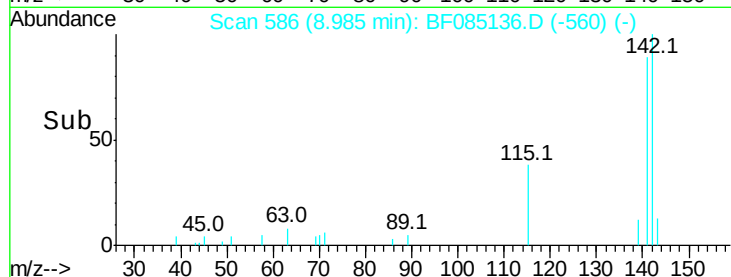
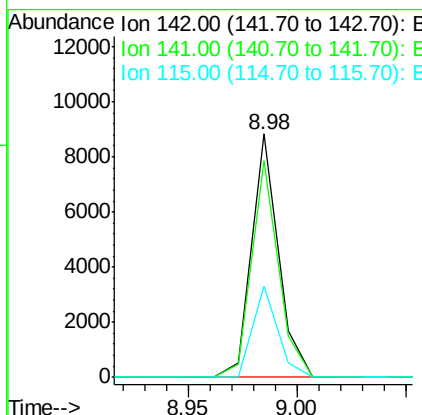
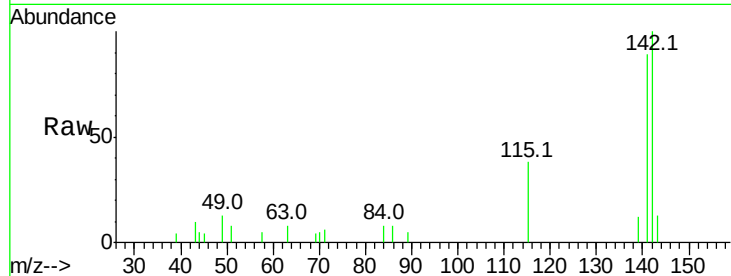




#37
 2-Methylnaphthalene
 Concen: 0.36 ng
 RT: 8.98 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

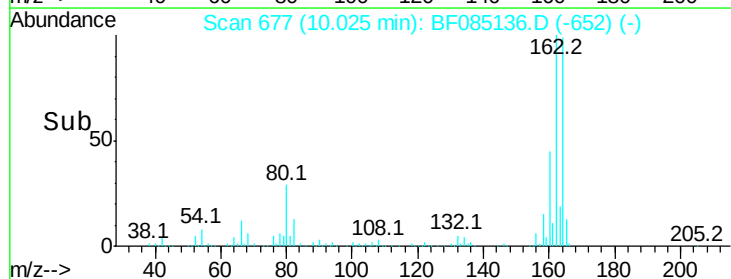
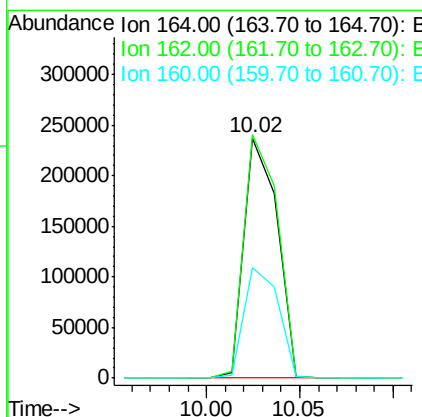
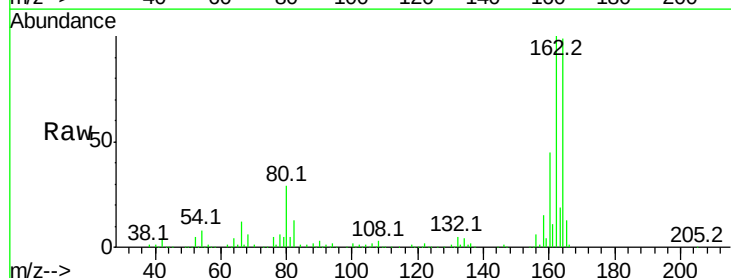
Instrument :
 BNA_F
 ClientSampleId :

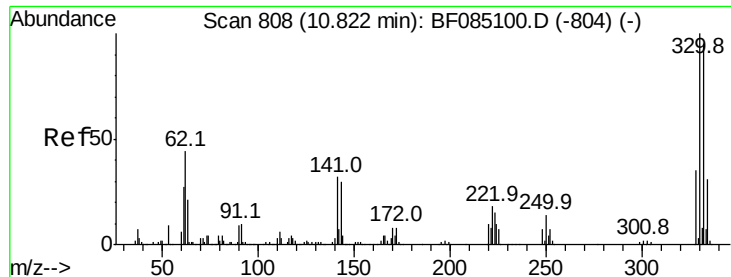
Tot Ion:	142	Resp:	7582
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	37.6	30.1	45.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.02 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Tgt Ion:	164	Resp:	292604
Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	46.0	38.2	57.2

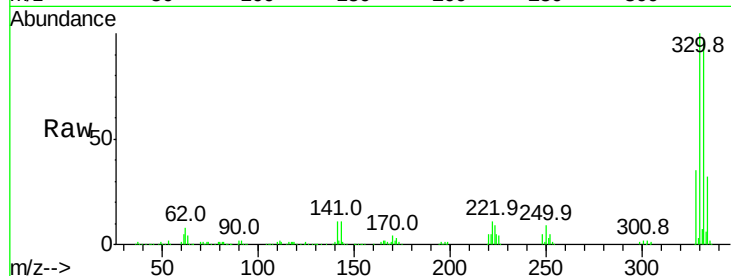




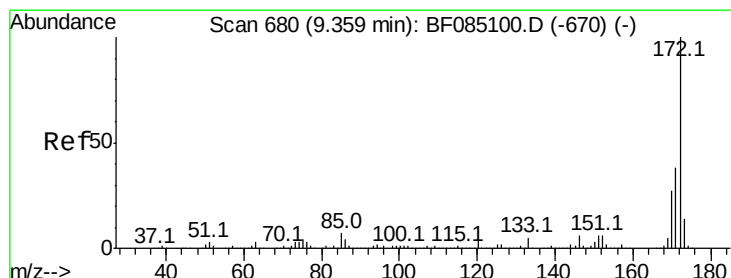
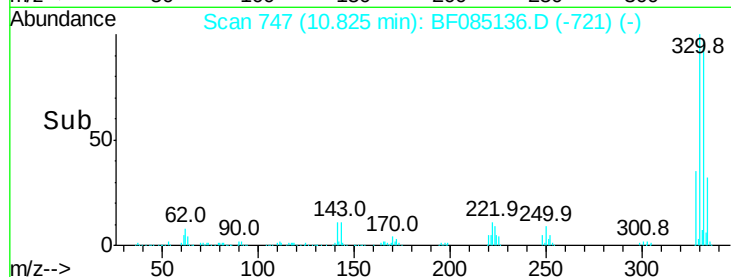
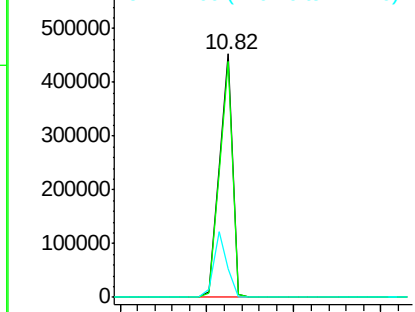
#41
 2,4,6-Tribromophenol
 Concen: 166.95 ng
 RT: 10.82 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 490922
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.9 113.9
 141 26.7 28.9 43.3#

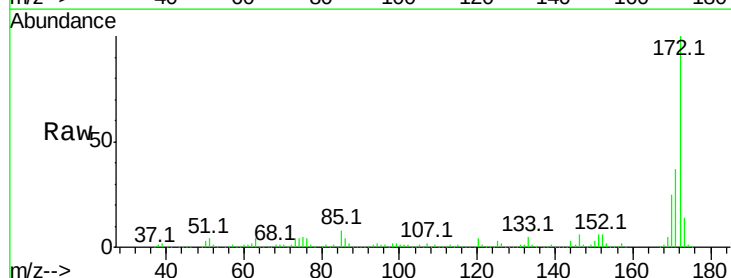


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

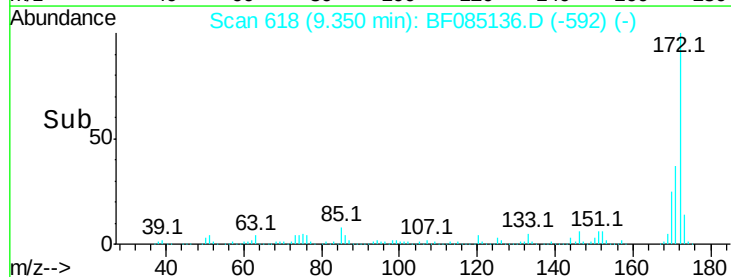
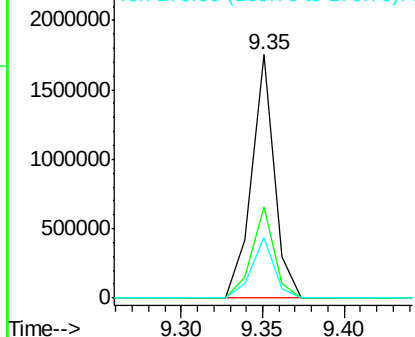


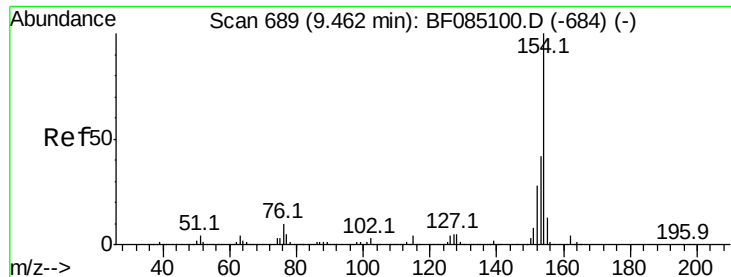
#44
 2-Fluorobiphenyl
 Concen: 85.42 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Tgt Ion:172 Resp: 1697128
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.5 45.7
 170 25.1 21.2 31.8



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





#45

1,1'-Biphenyl

Concen: 0.11 ng

RT: 9.45 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

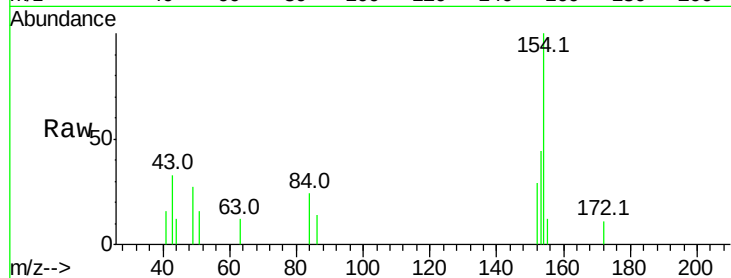
Tot Ion:154 Resp: 2819

Ion Ratio Lower Upper

154 100

153 44.4 21.5 61.5

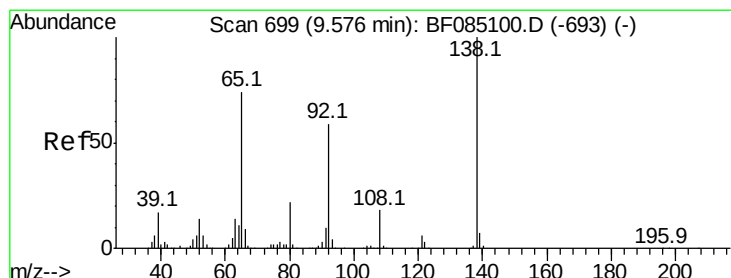
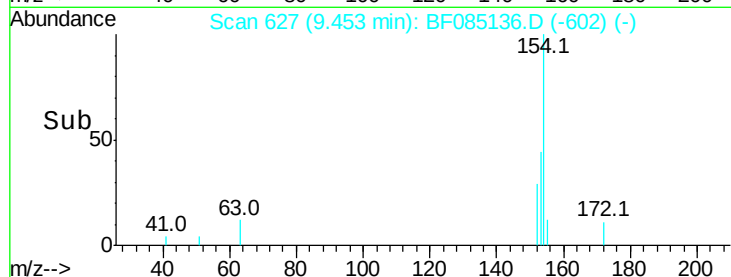
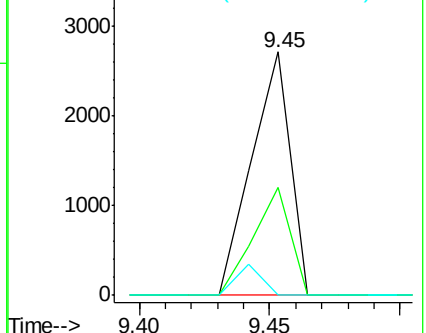
76 0.0 0.0 29.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#47

2-Nitroaniline

Concen: 0.52 ng

RT: 9.35 min Scan# 618

Delta R.T. -0.23 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

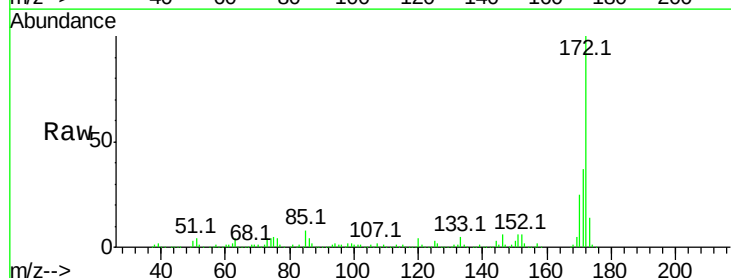
Tgt Ion: 65 Resp: 3071

Ion Ratio Lower Upper

65 100

92 211.7 63.8 95.6#

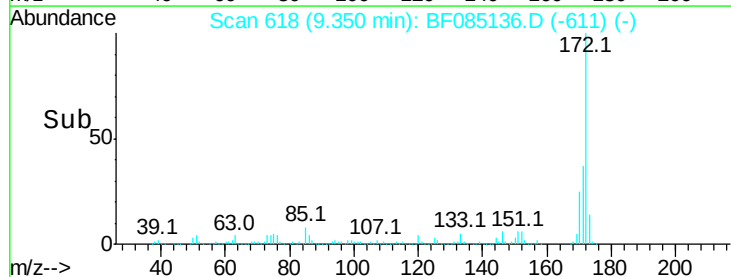
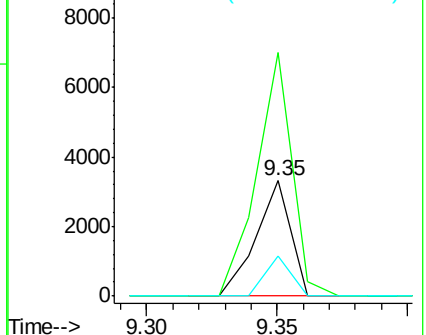
138 34.5 108.5 162.7#

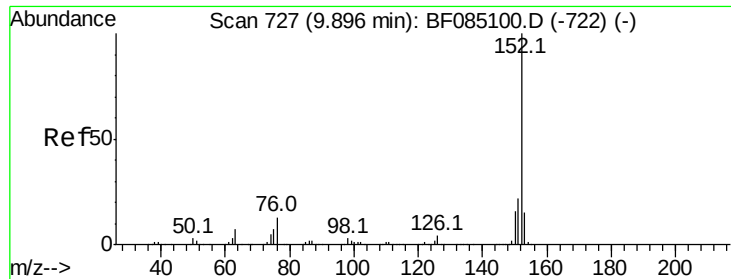


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.04 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

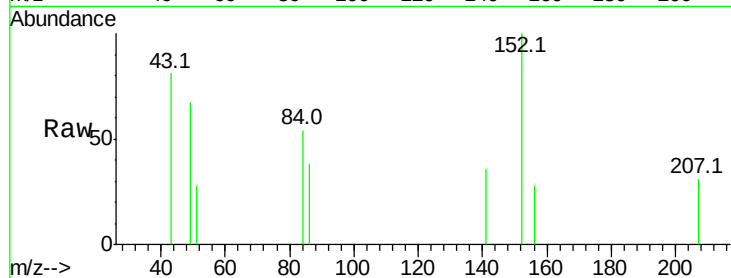
Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :



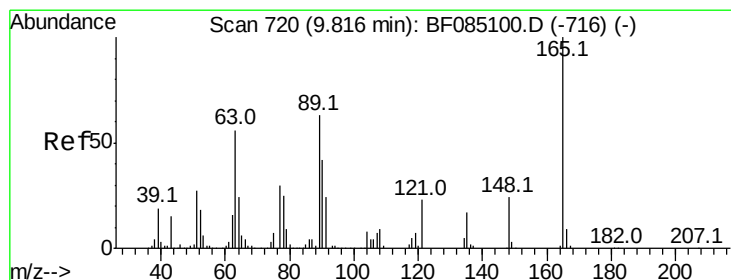
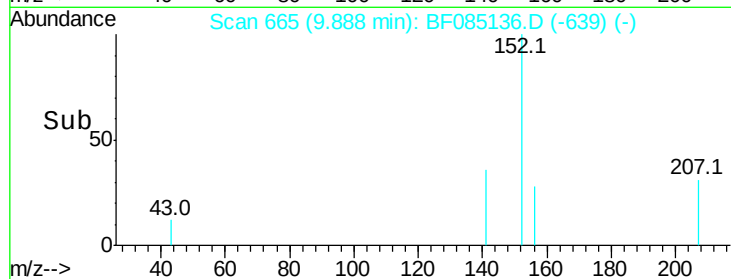
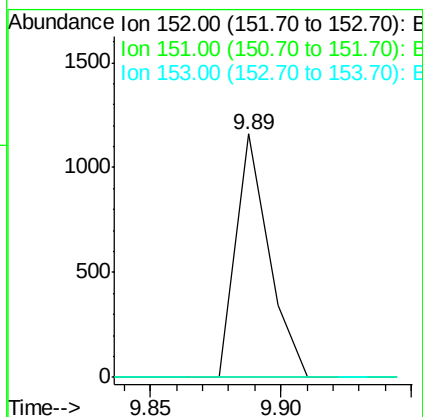
Tot Ion:152 Resp: 1030

Ion Ratio Lower Upper

152 100

151 0.0 17.4 26.0#

153 0.0 12.0 18.0#



#50

2,6-Dinitrotoluene

Concen: 8.37 ng

RT: 10.02 min Scan# 677

Delta R.T. 0.21 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

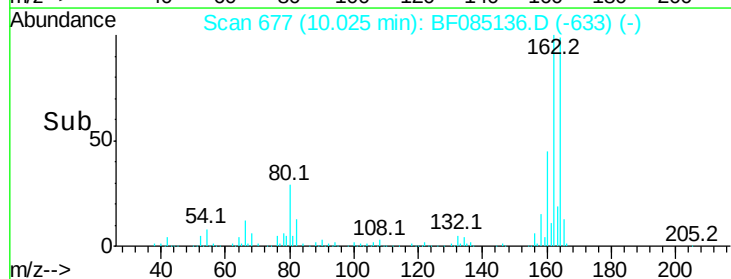
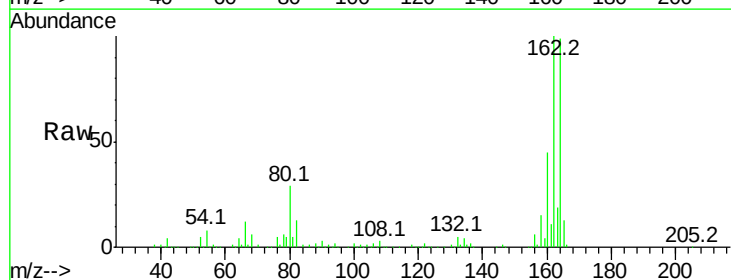
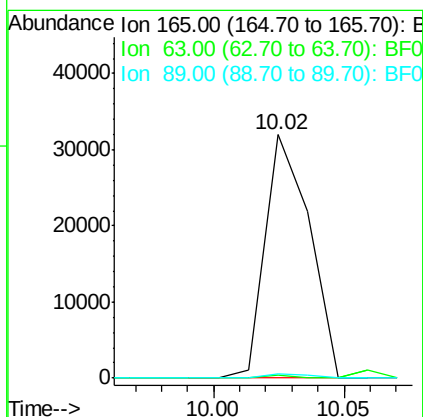
Tgt Ion:165 Resp: 37636

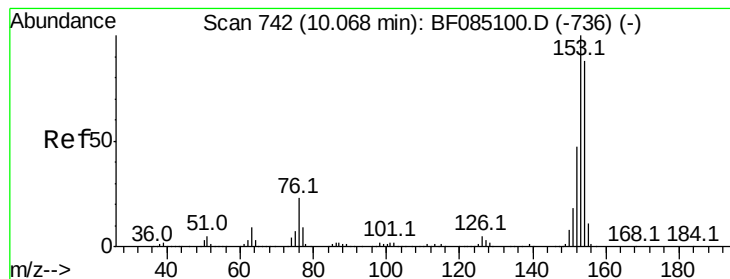
Ion Ratio Lower Upper

165 100

63 1.3 47.4 71.2#

89 1.8 50.2 75.2#





#51

Acenaphthene

Concen: 0.59 ng

RT: 10.06 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

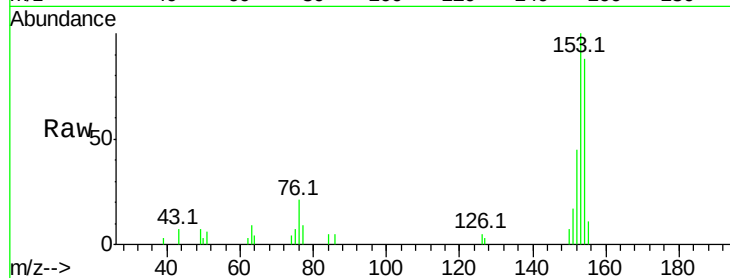
Tot Ion:154 Resp: 10369

Ion Ratio Lower Upper

154 100

153 113.1 91.0 136.6

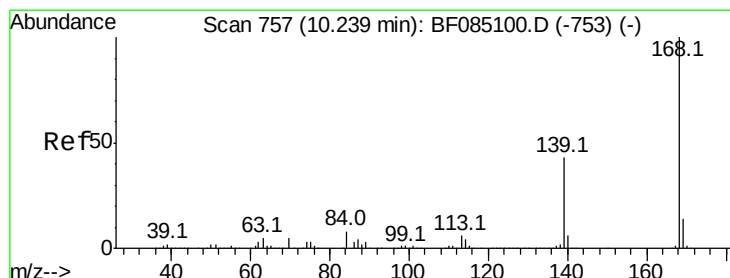
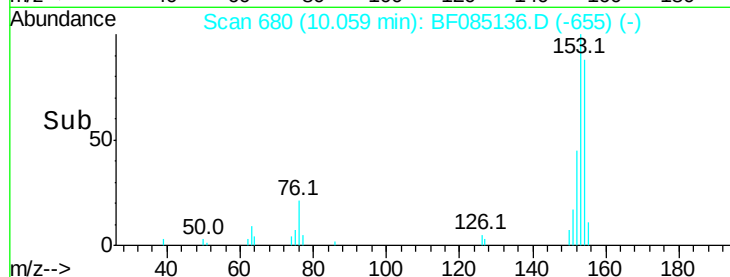
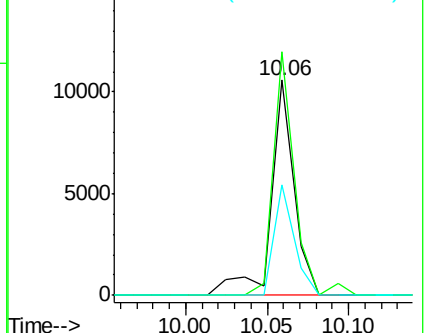
152 51.2 43.0 64.6



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



#54

Dibenzofuran

Concen: 0.27 ng

RT: 10.23 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

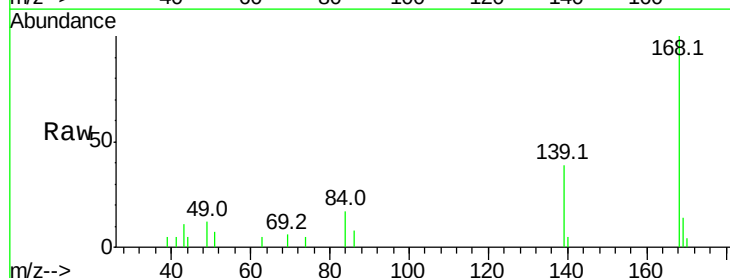
Tgt Ion:168 Resp: 6162

Ion Ratio Lower Upper

168 100

139 39.0 34.2 51.2

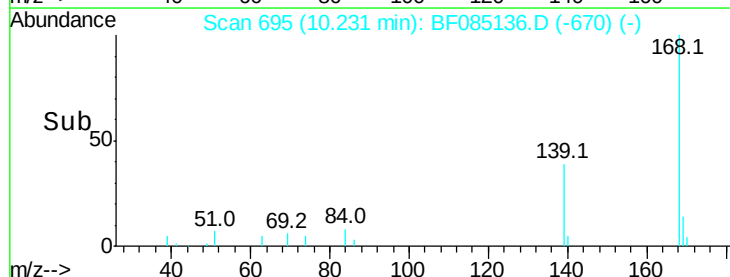
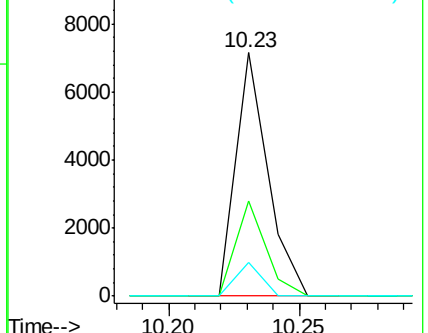
169 14.1 11.4 17.2

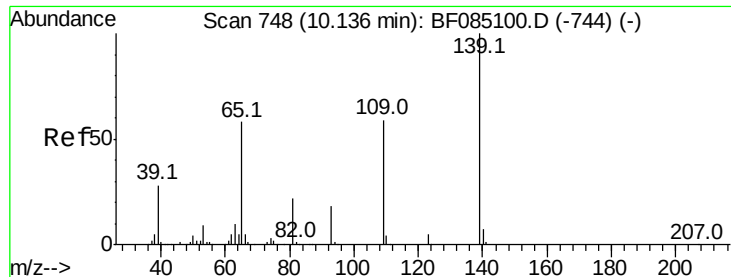


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.55 ng

RT: 10.23 min Scan# 695

Delta R.T. 0.09 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

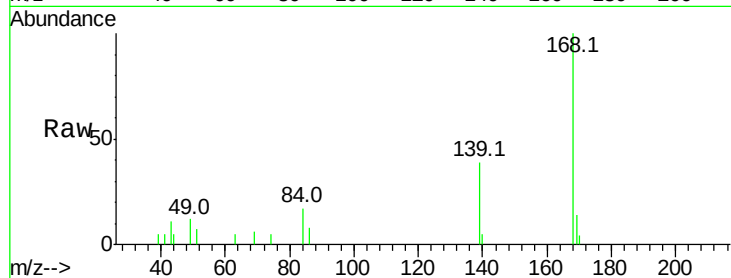
Tot Ion:139 Resp: 2259

Ion Ratio Lower Upper

139 100

109 0.0 39.5 79.5#

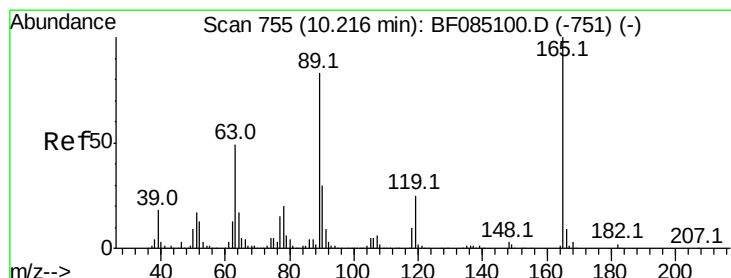
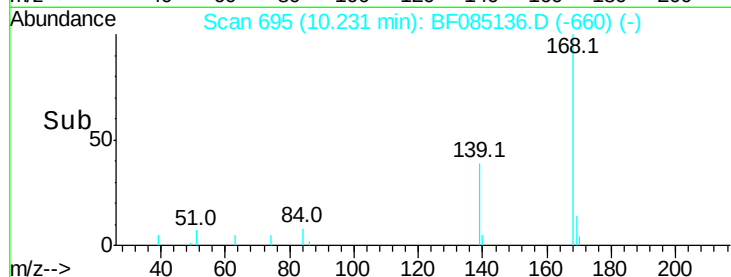
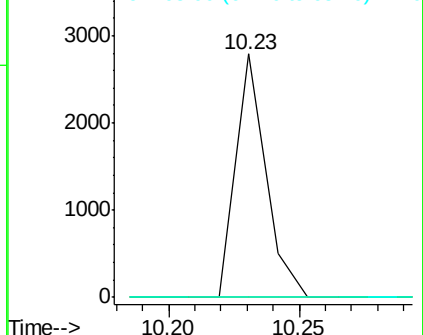
65 0.0 38.4 78.4#



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: 6.21 ng

RT: 10.02 min Scan# 677

Delta R.T. -0.19 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Tgt Ion:165 Resp: 37638

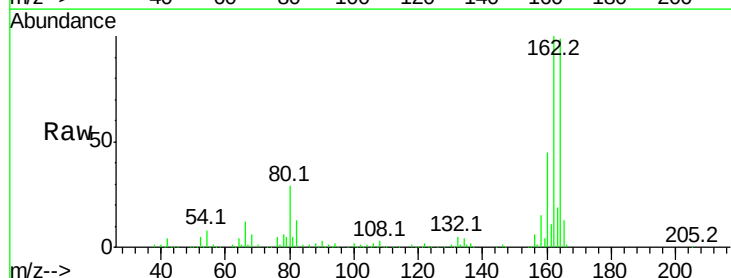
Ion Ratio Lower Upper

165 100

63 1.3 39.2 58.8#

89 1.8 66.2 99.4#

182 0.0 1.8 2.8#

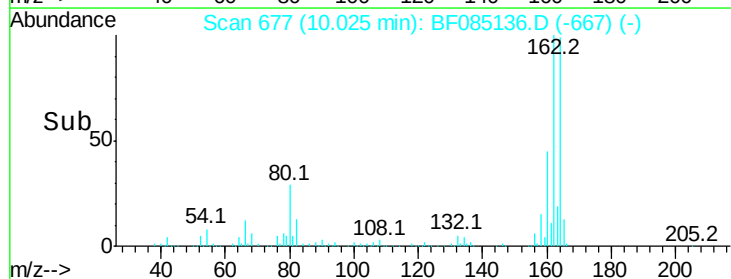
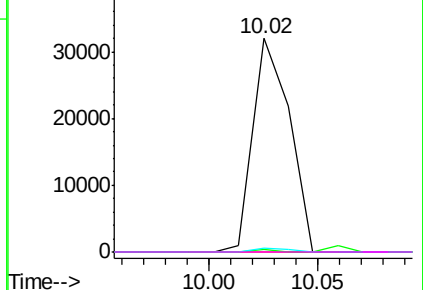


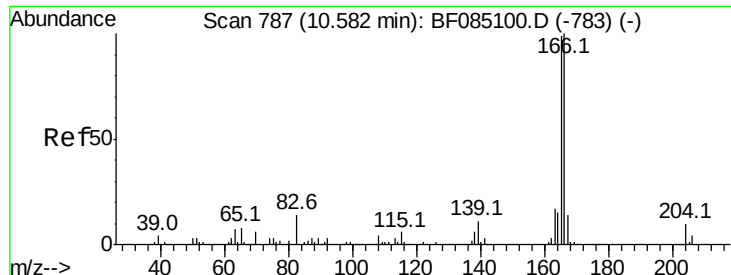
Abundance Ion 165.00 (164.70 to 165.70): E

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

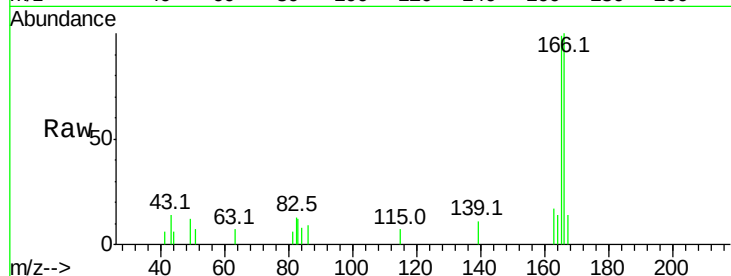




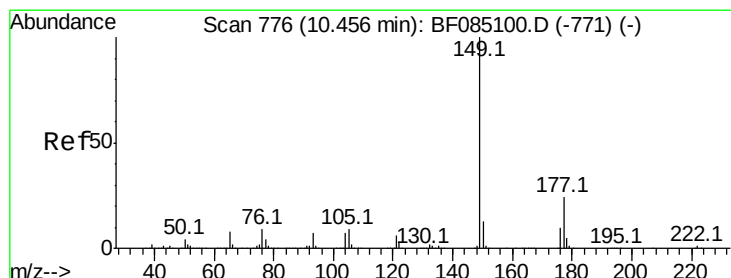
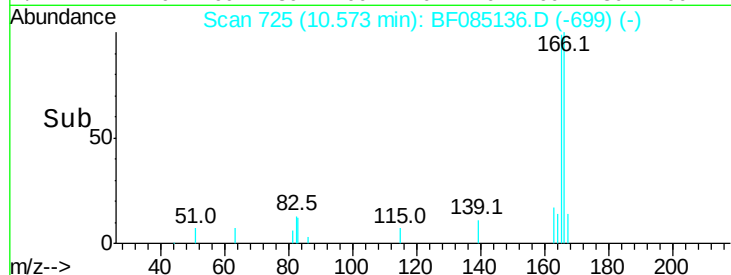
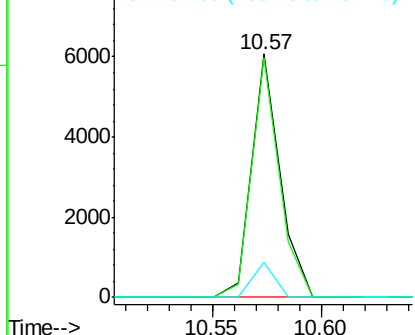
#57
 Fluorene
 Concen: 0.30 ng
 RT: 10.57 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 5494
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.4 119.2
 167 14.4 11.2 16.8

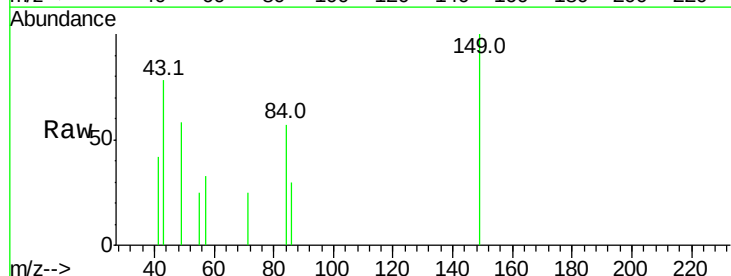


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

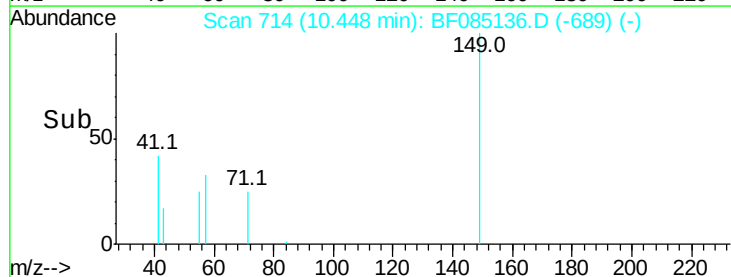
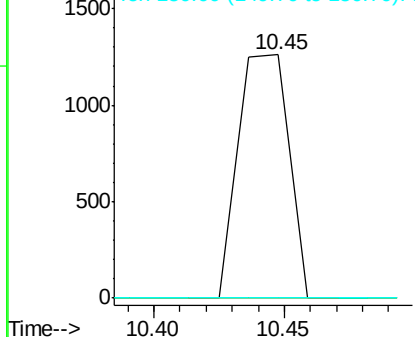


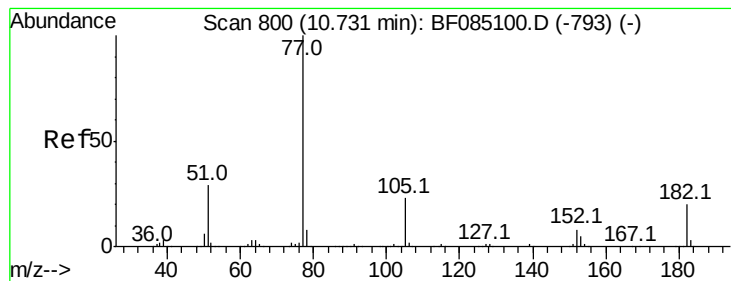
#59
 Diethylphthalate
 Concen: 0.08 ng
 RT: 10.45 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Tgt Ion:149 Resp: 1721
 Ion Ratio Lower Upper
 149 100
 177 0.0 19.4 29.2#
 150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.02 ng

RT: 10.74 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 480

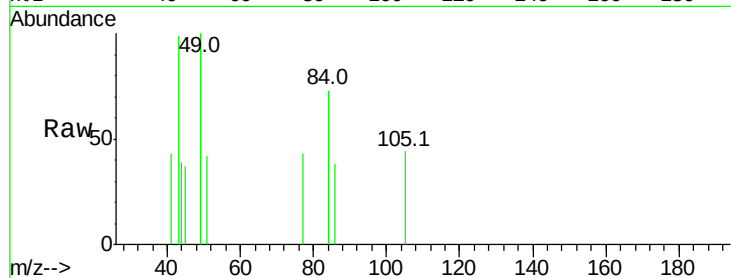
Ion Ratio Lower Upper

77 100

182 0.0 0.0 39.8

105 102.3 2.7 42.7#

51 98.6 9.4 49.4#

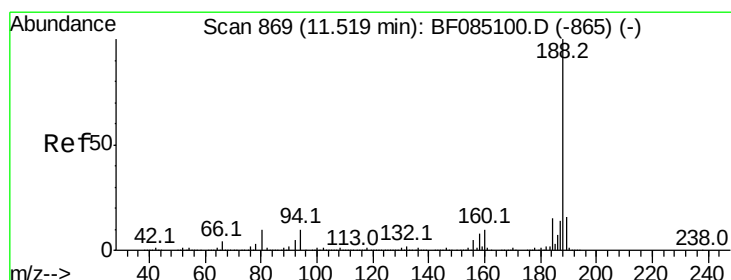
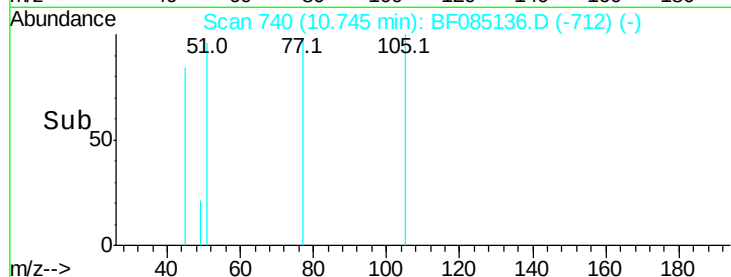
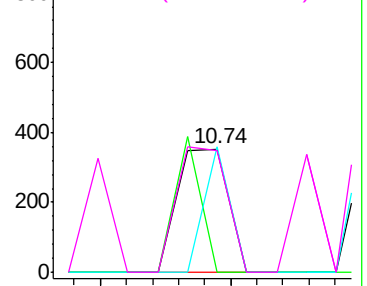


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

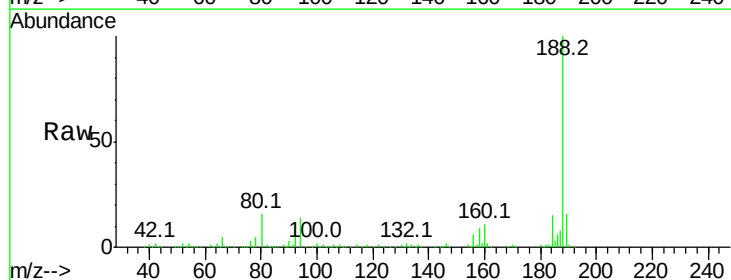
Tgt Ion: 188 Resp: 506773

Ion Ratio Lower Upper

188 100

94 14.0 7.8 11.6#

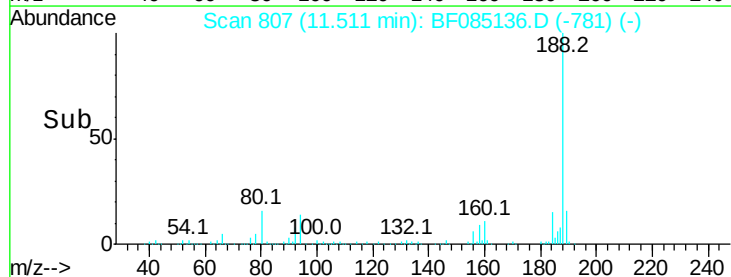
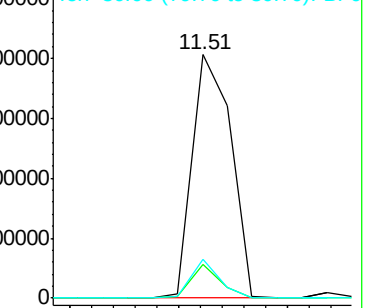
80 16.1 8.2 12.4#

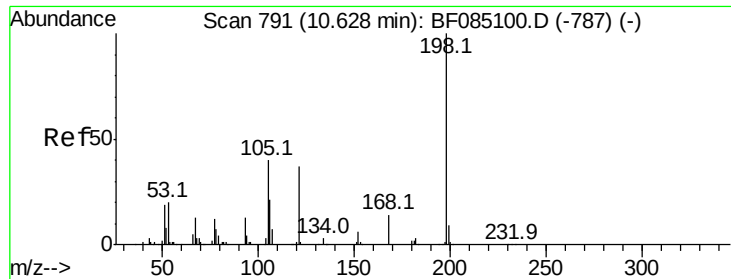


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.48 ng

RT: 10.81 min Scan# 746

Delta R.T. 0.19 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

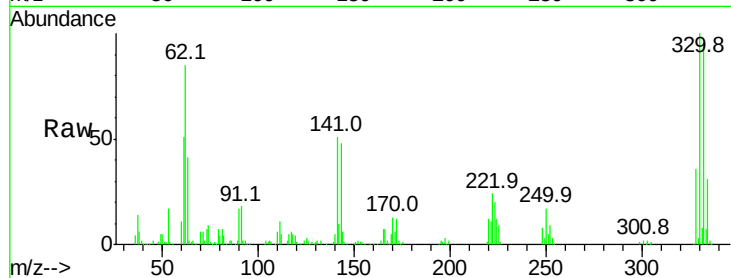
Tot Ion:198 Resp: 987

Ion Ratio Lower Upper

198 100

51 199.6 12.5 52.5#

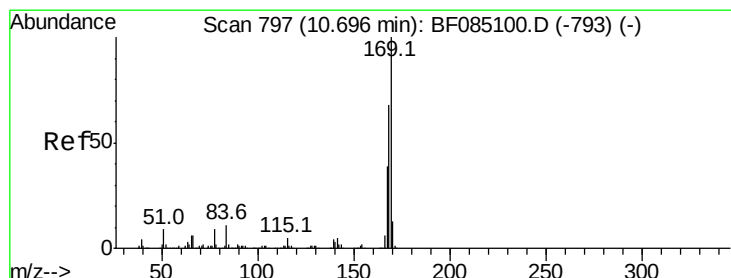
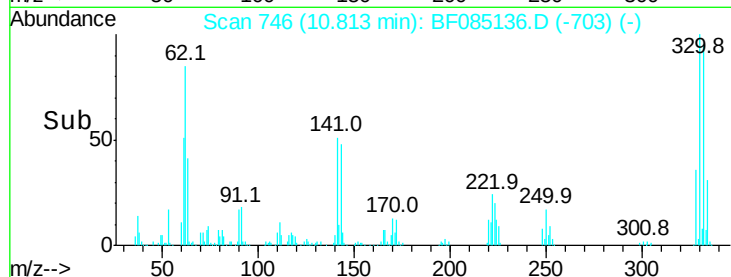
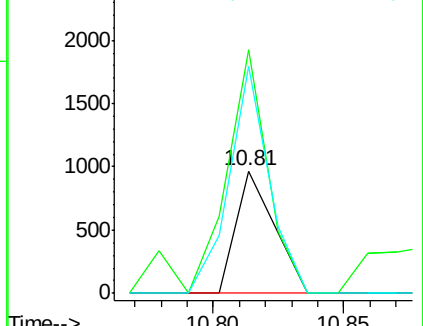
105 186.5 20.2 60.2#



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: 0.77 ng

RT: 10.81 min Scan# 746

Delta R.T. 0.12 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

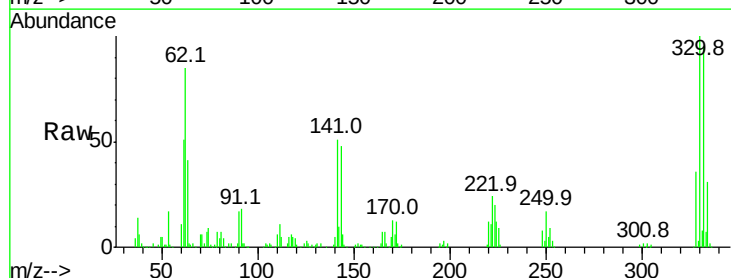
Tgt Ion:169 Resp: 12237

Ion Ratio Lower Upper

169 100

168 6.8 54.6 81.8#

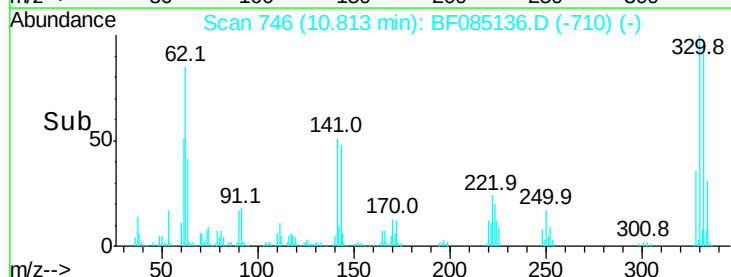
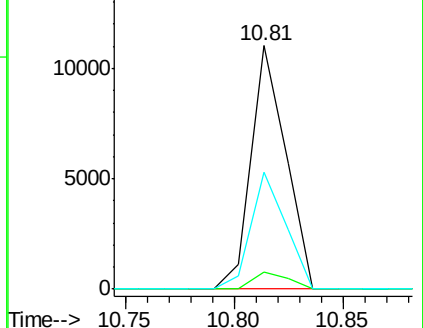
167 47.9 30.8 46.2#

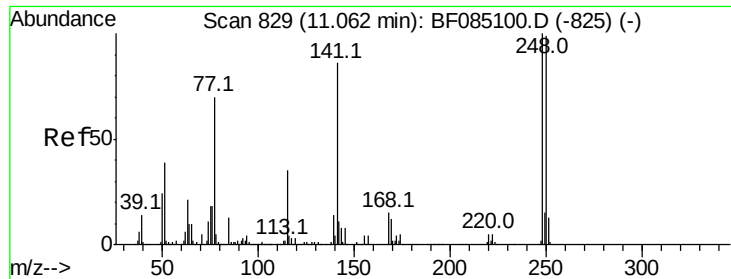


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.41 ng

RT: 10.82 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

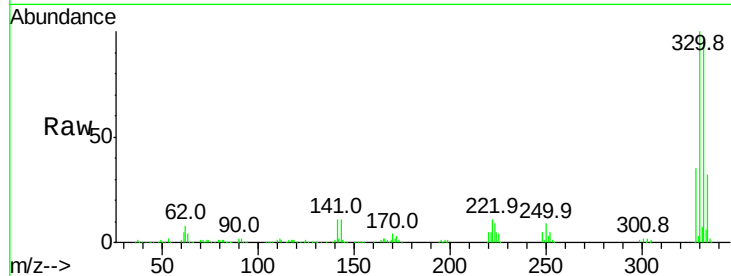
Tot Ion:248 Resp: 28777

Ion Ratio Lower Upper

248 100

250 203.4 79.0 118.4#

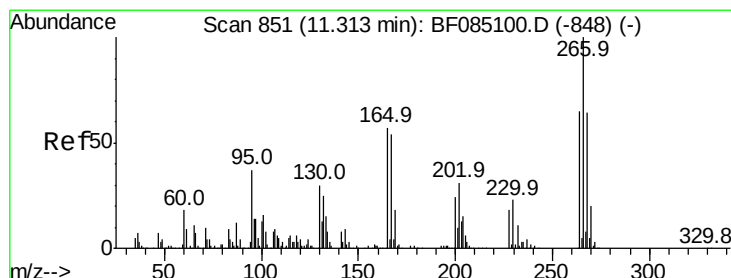
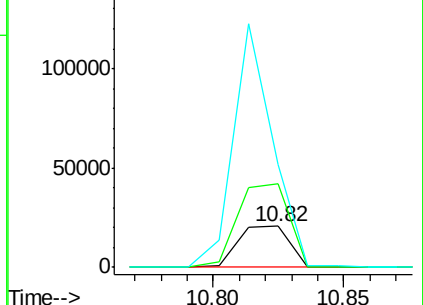
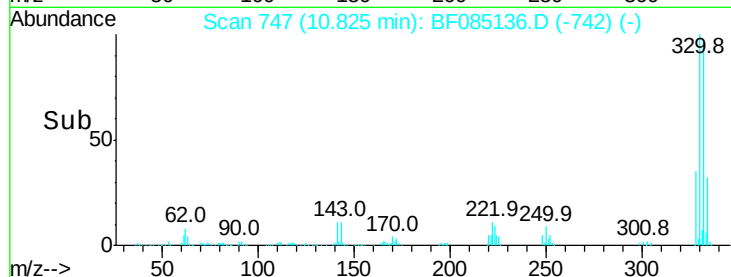
141 252.9 68.6 103.0#



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



#69

Pentachlorophenol

Concen: 0.07 ng

RT: 11.32 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

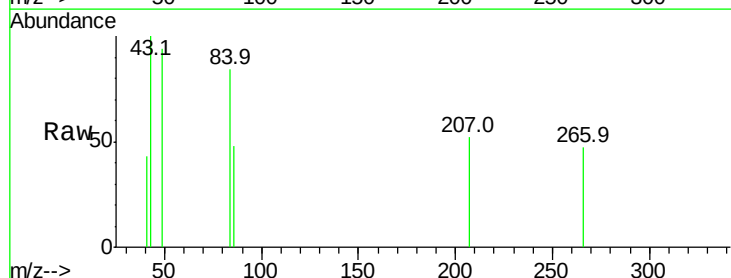
Tgt Ion:266 Resp: 239

Ion Ratio Lower Upper

266 100

268 0.0 51.0 76.6#

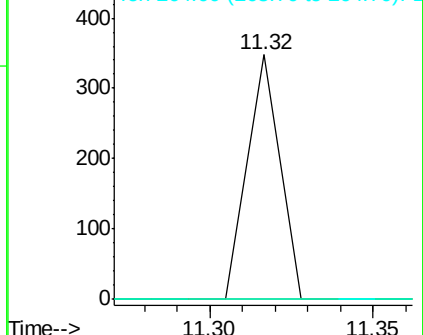
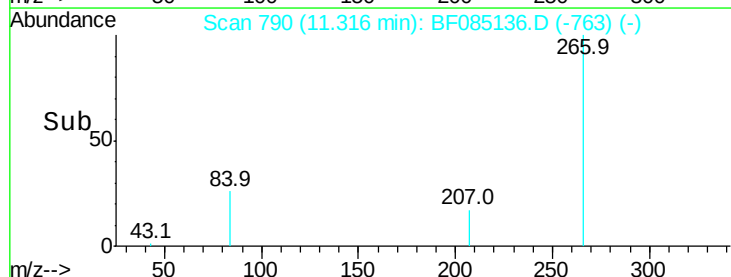
264 0.0 52.3 78.5#

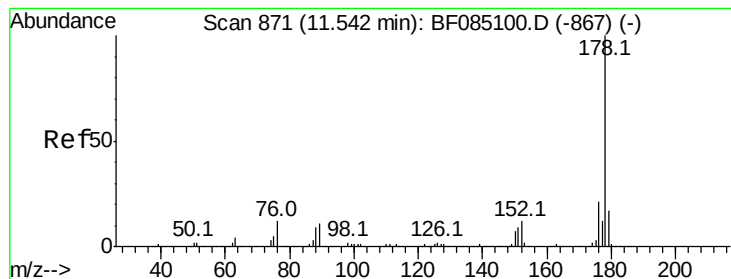


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 0.36 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampled :

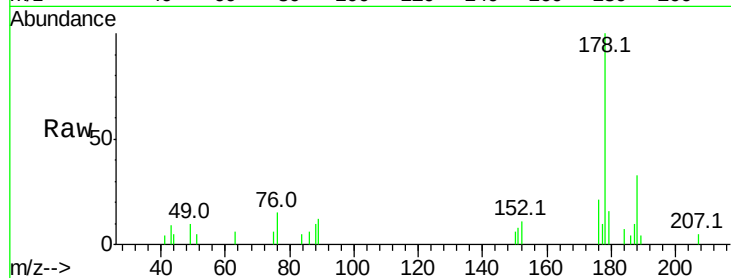
Tot Ion:178 Resp: 9178

Ion Ratio Lower Upper

178 100

176 21.3 17.0 25.6

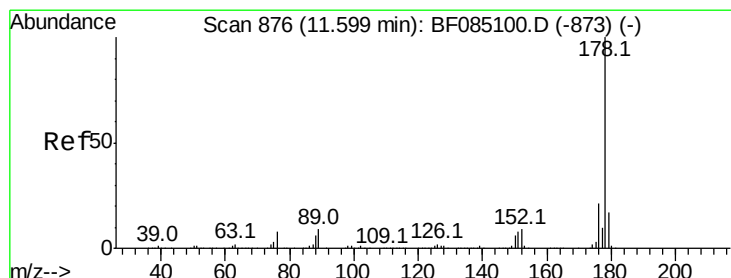
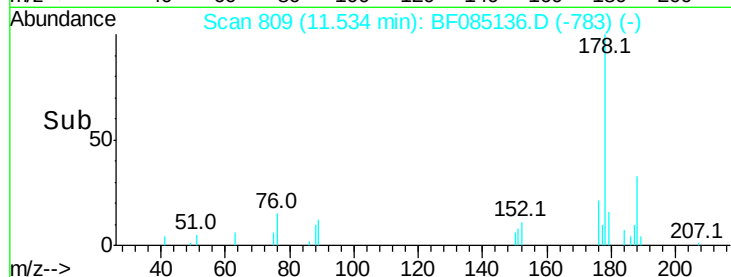
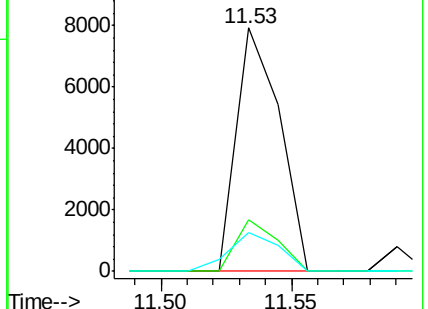
179 16.0 13.3 19.9



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: 0.32 ng

RT: 11.53 min Scan# 809

Delta R.T. -0.07 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

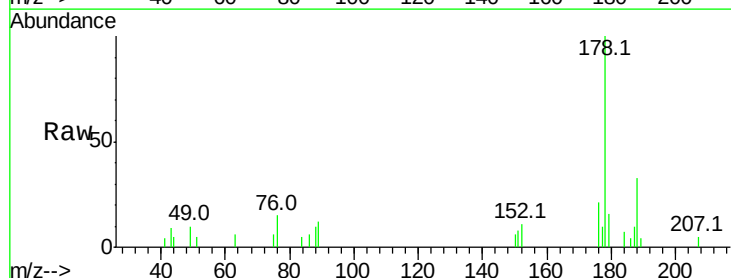
Tgt Ion:178 Resp: 9178

Ion Ratio Lower Upper

178 100

176 21.3 16.6 25.0

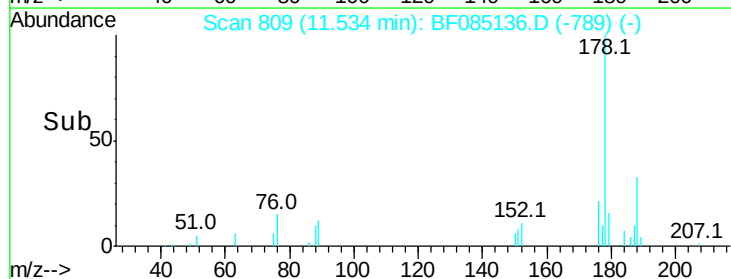
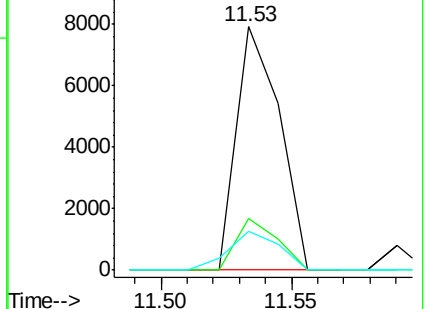
179 16.0 13.2 19.8

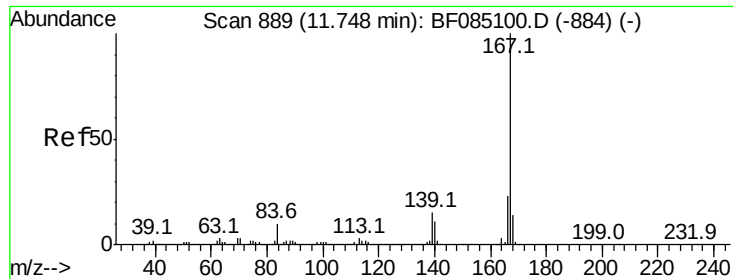


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.02 ng

RT: 11.74 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampled :

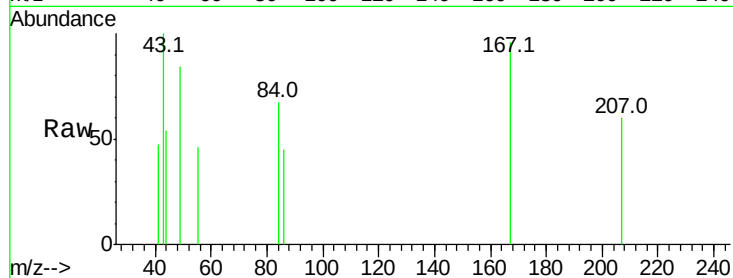
Tot Ion:167 Resp: 477

Ion Ratio Lower Upper

167 100

166 0.0 18.6 28.0#

139 0.0 11.8 17.8#



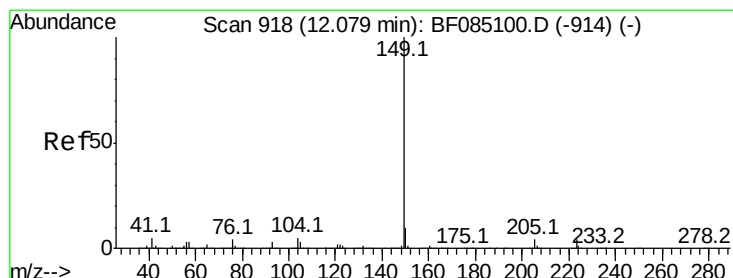
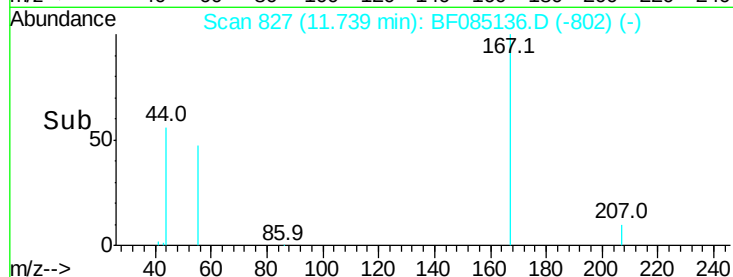
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.74

Time-->



#73

Di-n-butylphthalate

Concen: 0.07 ng

RT: 12.07 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

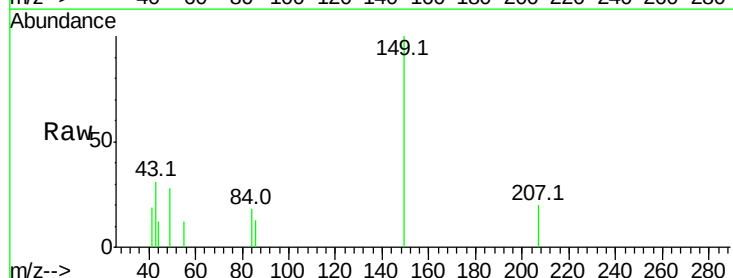
Tgt Ion:149 Resp: 2147

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

104 0.0 3.7 5.5#



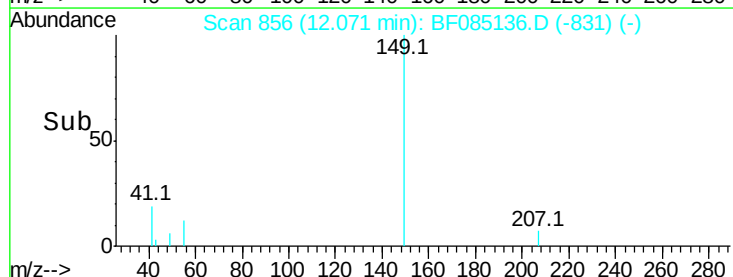
Abundance Ion 149.00 (148.70 to 149.70): E

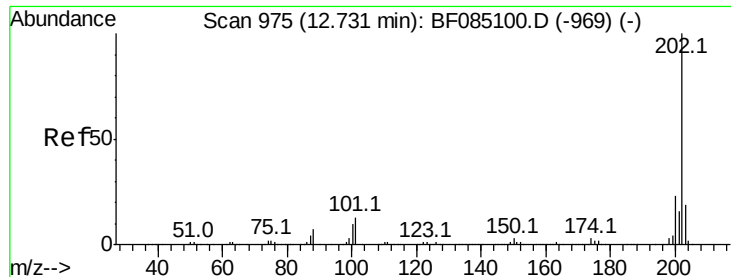
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

12.07

Time-->





#74

Fluoranthene

Concen: 0.02 ng

RT: 12.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampled :

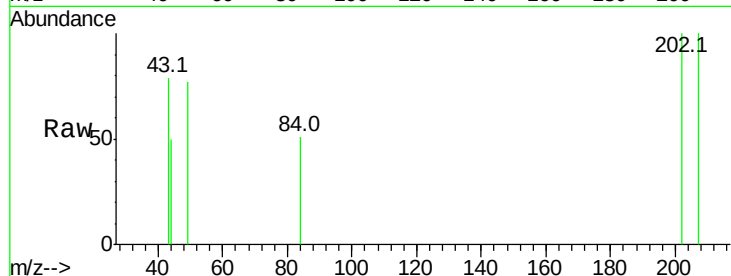
Tot Ion:202 Resp: 572

Ion Ratio Lower Upper

202 100

101 0.0 0.0 33.2

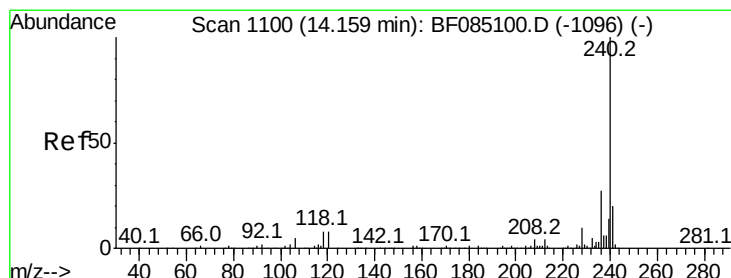
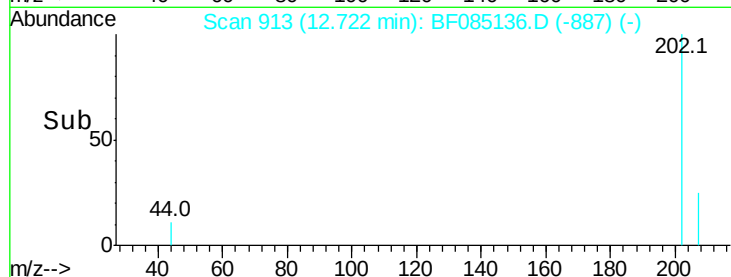
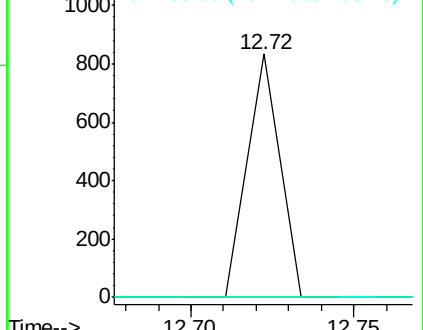
203 0.0 0.0 38.6



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: 14.15 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

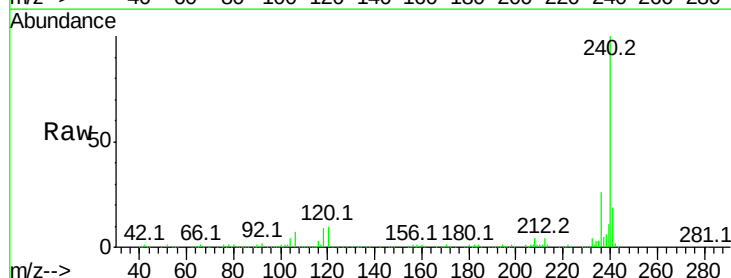
Tgt Ion:240 Resp: 361279

Ion Ratio Lower Upper

240 100

120 10.0 6.7 10.1

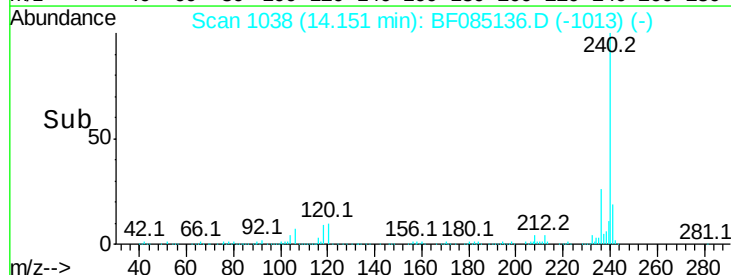
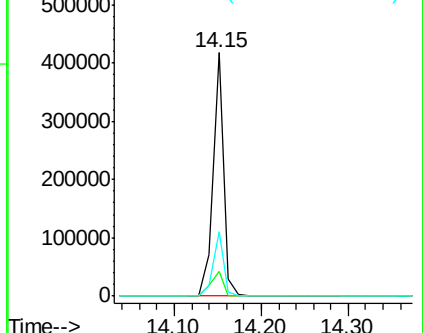
236 26.4 21.6 32.4

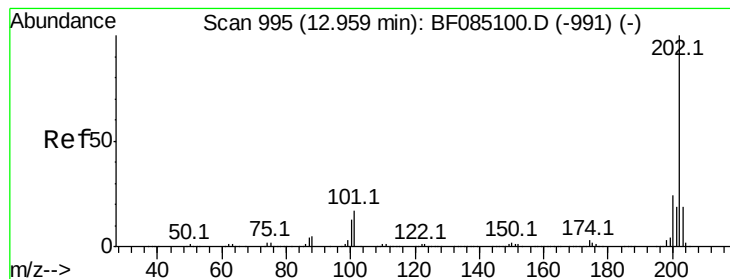


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.09 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

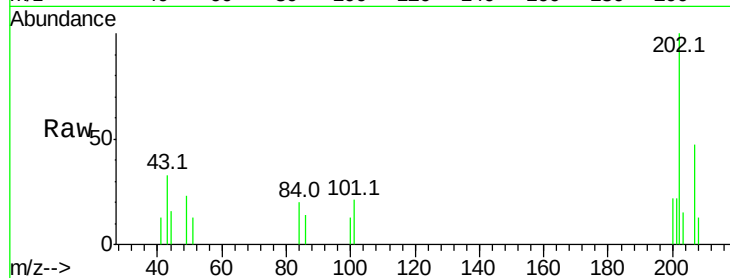
Tot Ion:202 Resp: 2276

Ion Ratio Lower Upper

202 100

200 22.2 19.0 28.6

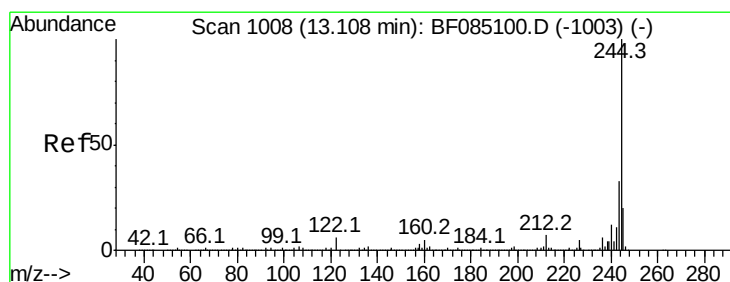
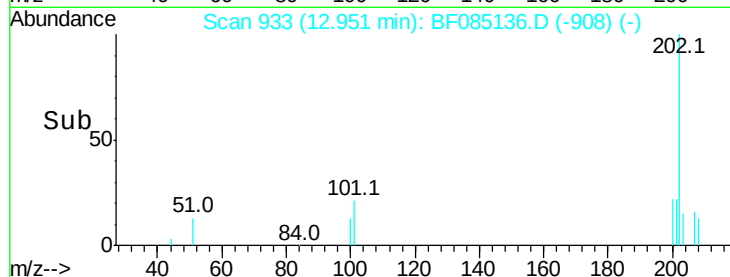
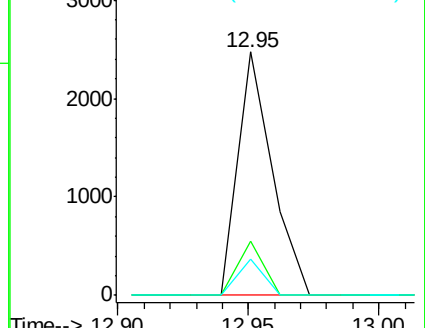
203 14.9 15.0 22.6#



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: 95.38 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

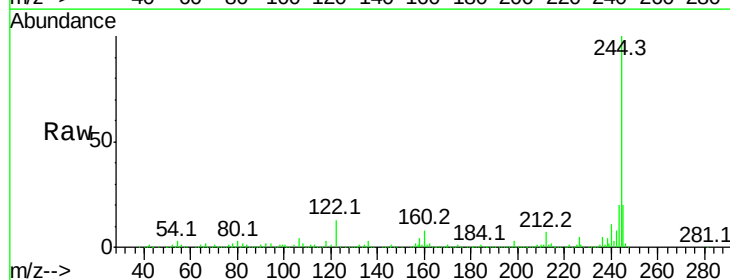
Tgt Ion:244 Resp: 1468921

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

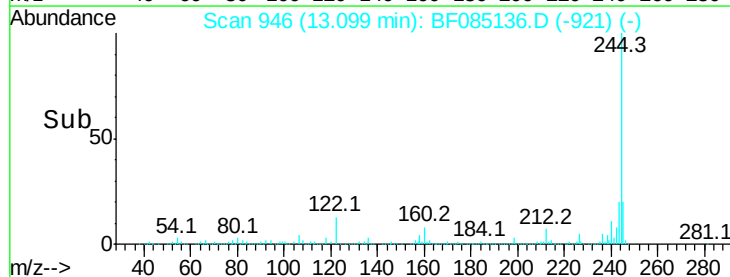
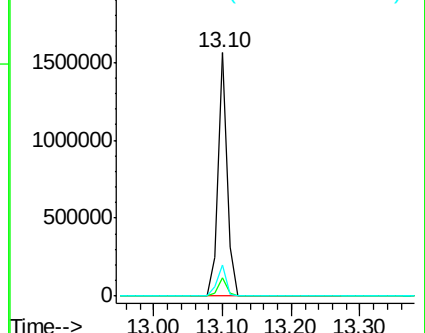
122 12.9 5.1 7.7#

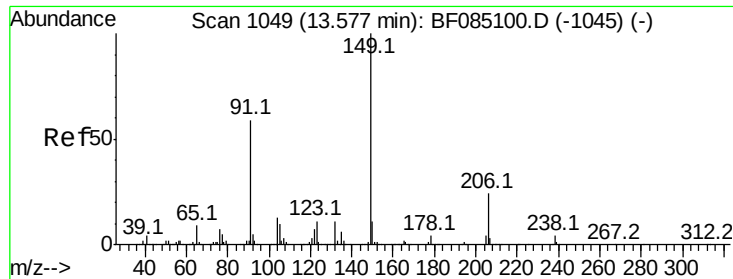


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

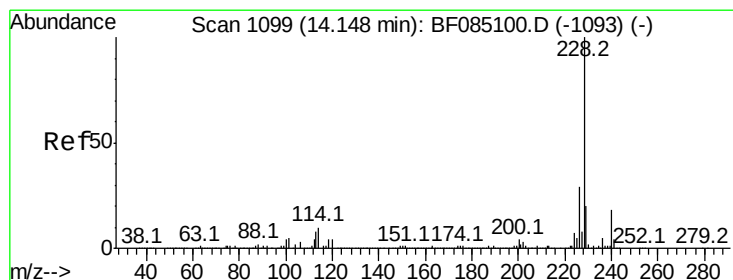
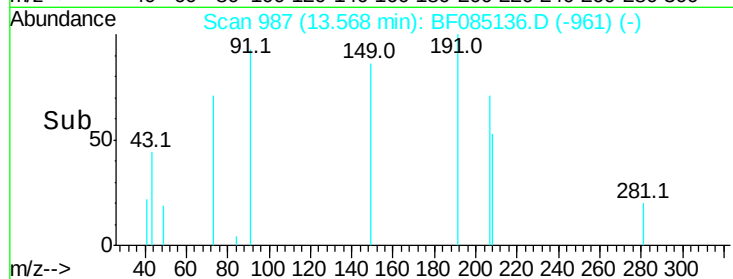
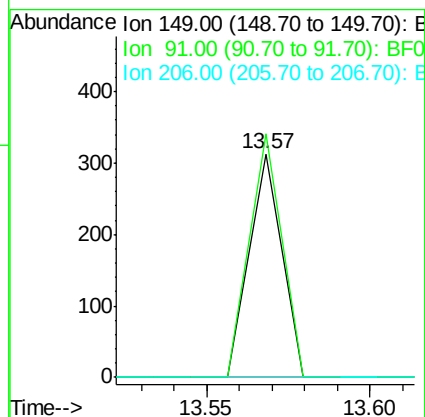
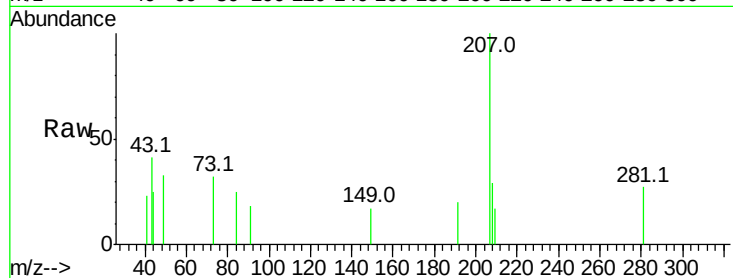




#79
 Butylbenzylphthalate
 Concen: 0.02 ng
 RT: 13.57 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

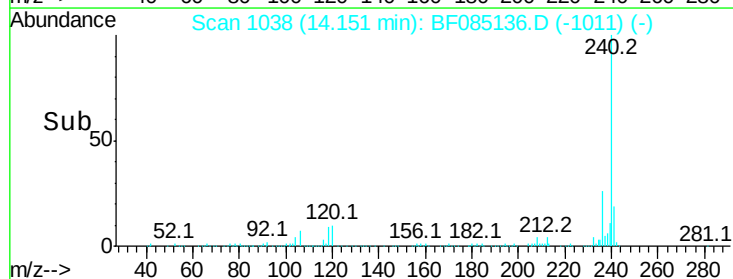
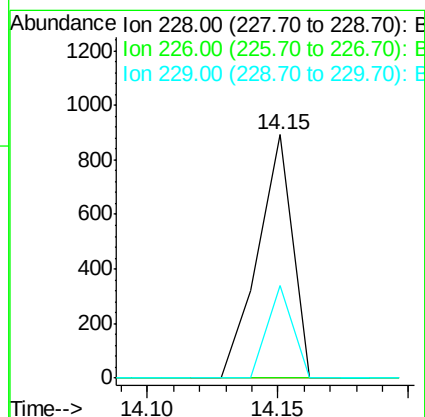
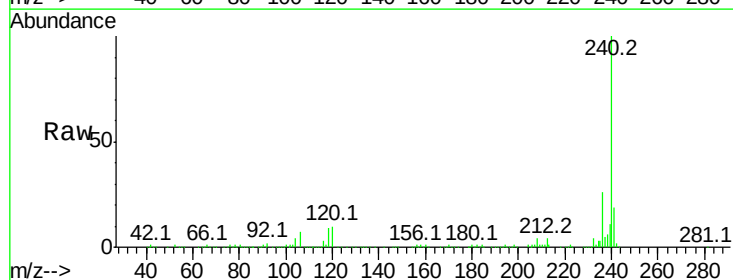
Instrument :
 BNA_F
 ClientSampleId :

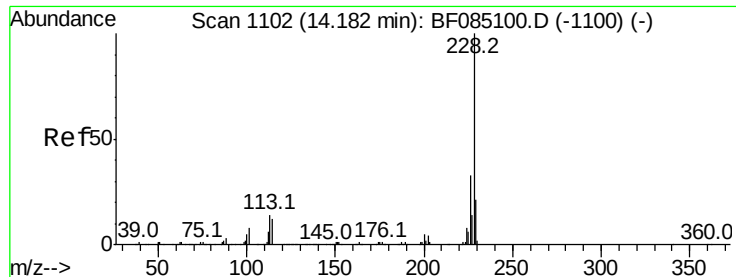
Tot Ion	Ratio	Lower	Upper
149	100		
91	108.9	46.9	70.3#
206	0.0	19.0	28.6#



#80
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 14.15 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF085136.D
 Acq: 2 Mar 2016 23:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.4#
229	38.1	16.1	24.1#





#82

Chrysene

Concen: 0.04 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

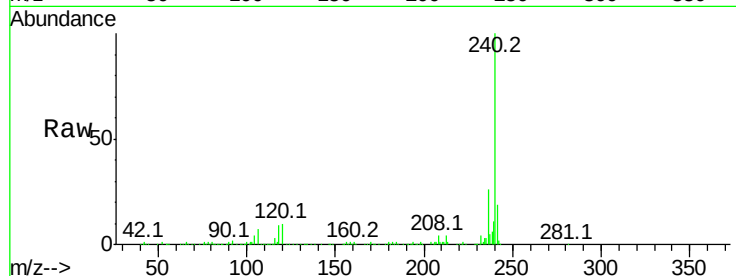
Tot Ion:228 Resp: 832

Ion Ratio Lower Upper

228 100

226 0.0 26.2 39.4#

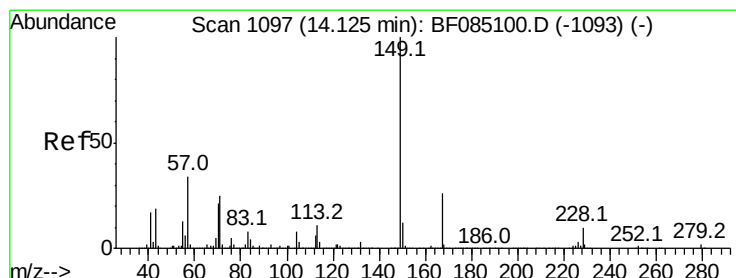
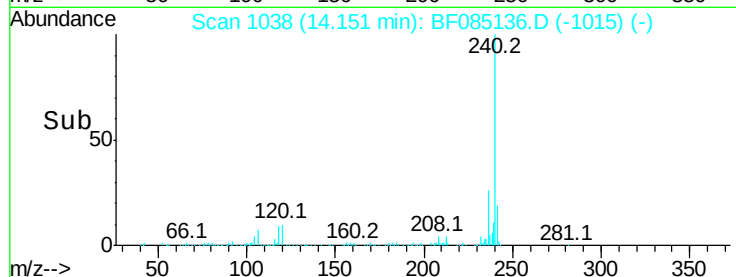
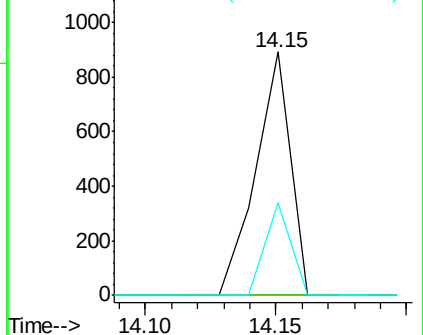
229 38.1 16.5 24.7#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 14.13 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

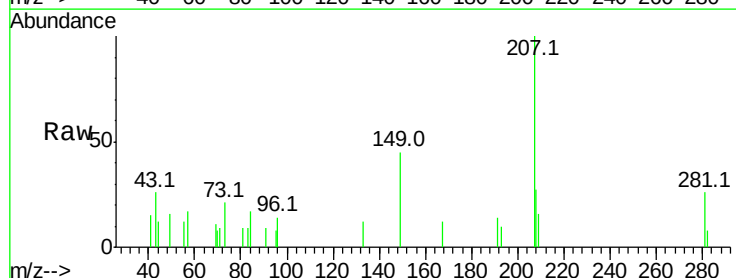
Tgt Ion:149 Resp: 1363

Ion Ratio Lower Upper

149 100

167 25.8 20.6 31.0

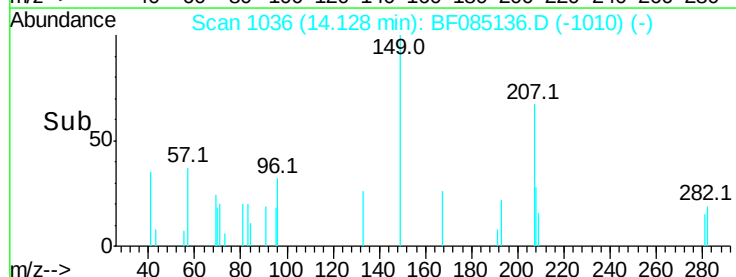
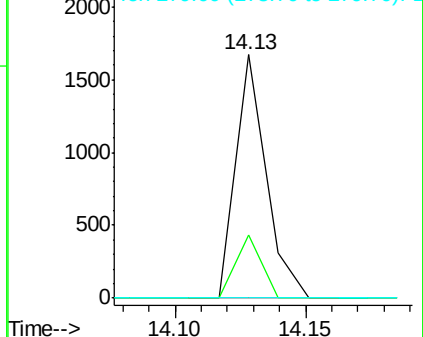
279 0.0 2.0 3.0#

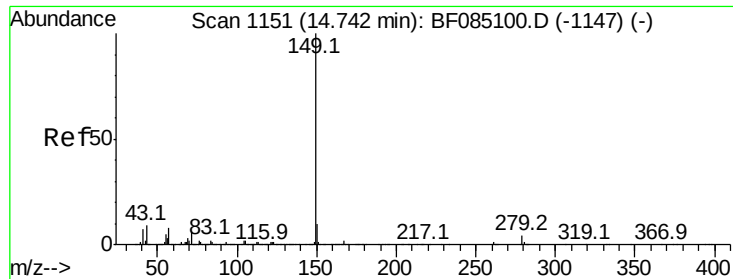


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 14.73 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

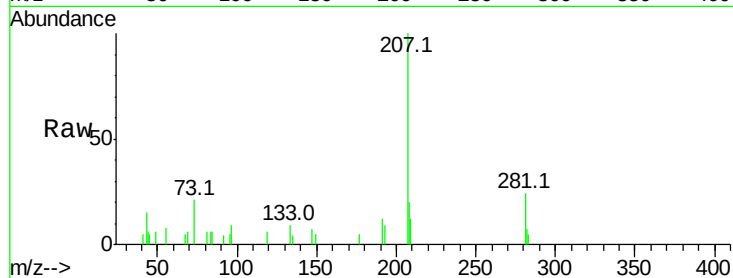
Tot Ion:149 Resp: 536

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

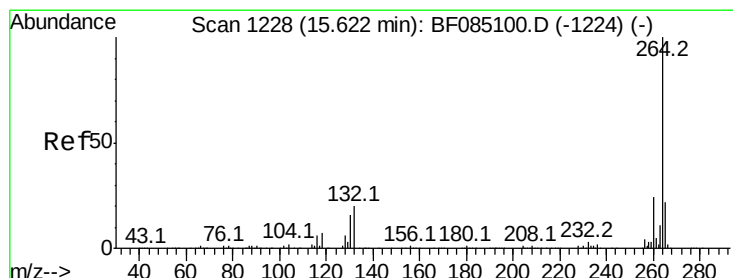
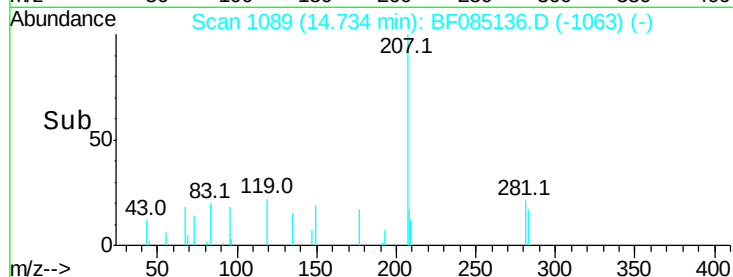
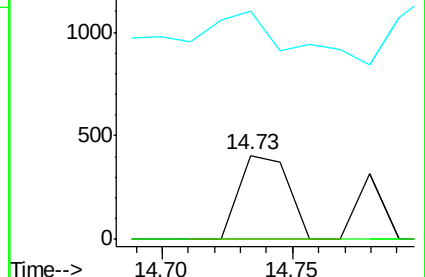
43 121.3 8.8 13.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.63 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

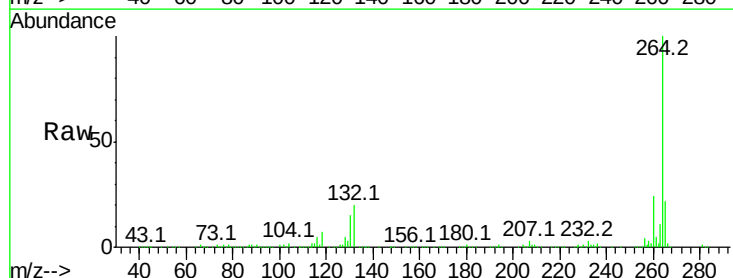
Tgt Ion:264 Resp: 379340

Ion Ratio Lower Upper

264 100

260 24.5 19.6 29.4

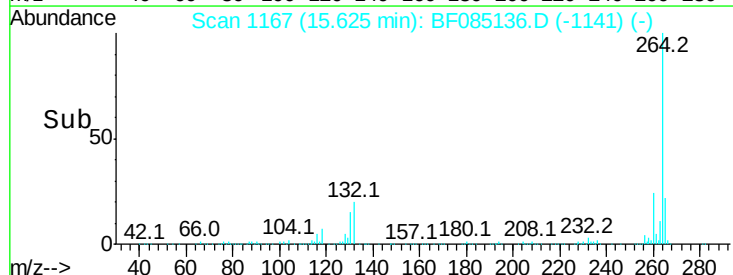
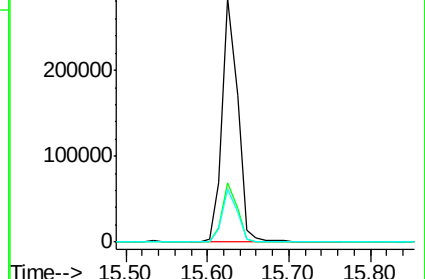
265 21.9 17.4 26.2

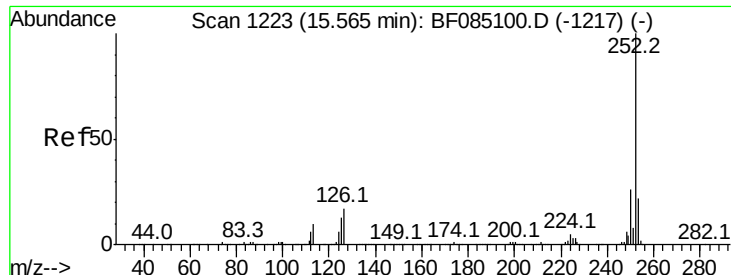


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.63 min Scan# 1167

Delta R.T. 0.06 min

Lab File: BF085136.D

Acq: 2 Mar 2016 23:06

Instrument :

BNA_F

ClientSampleId :

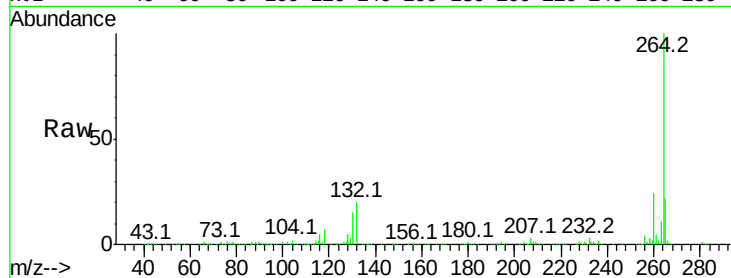
Tot Ion:252 Resp: 1021

Ion Ratio Lower Upper

252 100

253 37.3 18.0 27.0#

125 0.0 10.2 15.2#



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

