

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085643.D
 Acq On : 22 Mar 2016 3:26
 Operator : UM/SJ
 Sample : H1840-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

Quant Time: Mar 22 04:11:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	98860	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	228941	20.00	ng	0.01
38) Acenaphthene-d10	9.93	164	71030	20.00	ng	0.03
63) Phenanthrene-d10	11.41	188	136063	20.00	ng	0.02
75) Chrysene-d12	14.00	240	216926	20.00	ng	-0.01
86) Perylene-d12	15.42	264	220666	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	727608	123.62	ng	-0.01
7) Phenol-d6	6.48	99	936630	124.08	ng	-0.01
23) Nitrobenzene-d5	7.42	82	484198	122.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	95532	137.30	ng	0.03
44) 2-Fluorobiphenyl	9.25	172	485607	137.29	ng	0.02
78) Terphenyl-d14	12.96	244	624988	69.33	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.40	77	17024	2.56	ng	# 1
15) Benzyl Alcohol	7.01	79	23967	4.64	ng	# 41
18) Hexachloroethane	7.35	117	90548	33.14	ng	# 1
19) n-Nitroso-di-n-propylamine	7.28	70	66572	14.76	ng	# 69
22) Acetophenone	7.25	105	20071	3.69	ng	# 1
24) Nitrobenzene	7.50	77	51964	12.04	ng	# 70
25) Isophorone	7.68	82	247333	31.32	ng	# 1
26) 2-Nitrophenol	7.72	139	40752	19.10	ng	# 1
27) 2,4-Dimethylphenol	7.80	122	36940	9.79	ng	# 1
28) bis(2-Chloroethoxy)methane	7.96	93	74621	16.61	ng	# 1
29) 2,4-Dichlorophenol	8.00	162	36165	11.61	ng	# 1
30) 1,2,4-Trichlorobenzene	8.05	180	23890	6.84	ng	# 72
31) Naphthalene	8.14	128	193588	16.75	ng	# 1
32) Benzoic acid	7.96	122	26956	8.54	ng	# 1
33) 4-Chloroaniline	8.21	127	44202	9.33	ng	# 1
35) Caprolactam	8.61	113	273356	254.97	ng	# 38
37) 2-Methylnaphthalene	8.89	142	1307699	185.65	ng	# 96
42) 2,4,6-Trichlorophenol	9.16	196	22435	15.21	ng	# 13
43) 2,4,5-Trichlorophenol	9.16	196	22435	14.95	ng	# 1
45) 1,1'-Biphenyl	9.34	154	28154	4.59	ng	# 1
47) 2-Nitroaniline	9.49	65	10004	7.39	ng	# 7
48) Acenaphthylene	9.81	152	71804	9.91	ng	# 1
49) Dimethylphthalate	9.64	163	58508	10.92	ng	# 61
50) 2,6-Dinitrotoluene	9.75	165	51948	45.91	ng	# 58
51) Acenaphthene	9.97	154	154063	33.89	ng	# 65
52) 3-Nitroaniline	9.89	138	23497	16.58	ng	# 34
54) Dibenzofuran	10.14	168	133371	24.09	ng	# 1
55) 4-Nitrophenol	10.05	139	112123	102.37	ng	# 51
56) 2,4-Dinitrotoluene	10.15	165	34501	23.29	ng	# 67
57) Fluorene	10.48	166	379706	82.31	ng	# 78
58) 2,3,4,6-Tetrachlorophenol	10.24	232	4177	3.86	ng	# 31
59) Diethylphthalate	10.38	149	21196	3.98	ng	# 1
60) 4-Chlorophenyl-phenylether	10.42	204	24163	10.73	ng	# 1
61) 4-Nitroaniline	10.40	138	44458	31.82	ng	# 87

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085643.D
 Acq On : 22 Mar 2016 3:26
 Operator : UM/SJ
 Sample : H1840-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

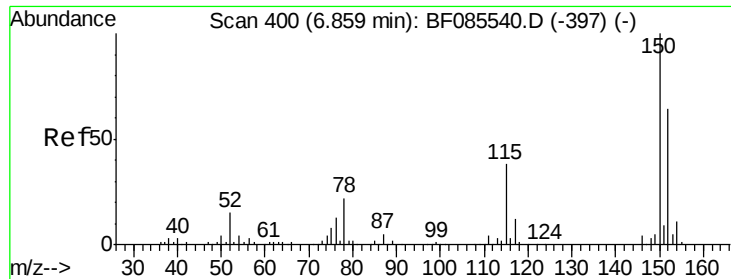
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

Quant Time: Mar 22 04:11:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

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

62) Azobenzene	10.63	77	54583	10.67	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	2436	2.80	ng	# 1
65) n-Nitrosodiphenylamine	10.60	169	523287	123.47	ng	# 49
66) 4-Bromophenyl-phenylether	10.97	248	2877	2.12	ng	# 1
68) Atrazine	11.14	200	27521	21.33	ng	# 1
69) Pentachlorophenol	11.18	266	3362	3.83	ng	# 32
70) Phenanthrene	11.44	178	1123242	156.56	ng	# 96
71) Anthracene	11.49	178	66800	8.88	ng	# 64
72) Carbazole	11.68	167	18910	2.91	ng	# 1
73) Di-n-butylphthalate	11.94	149	22774	2.80	ng	# 1
74) Fluoranthene	12.60	202	190207	25.32	ng	93
77) Pyrene	12.82	202	326264	20.95	ng	96
80) Benzo(a)anthracene	13.99	228	97431	7.74	ng	96
82) Chrysene	13.99	228	97431	8.04	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.81	276	39530	3.90	ng	95
87) Benzo(b)fluoranthene	15.02	252	123055	8.55	ng	# 90
88) Benzo(k)fluoranthene	15.02	252	123055	10.37	ng	# 88
89) Benzo(a)pyrene	15.36	252	63884	5.23	ng	# 89
91) Benzo(g,h,i)perylene	17.23	276	35257	3.58	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

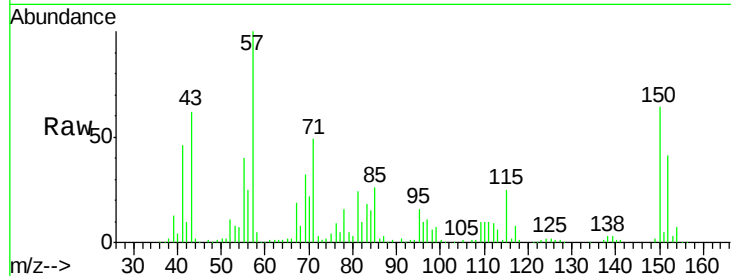
Tgt Ion:152 Resp: 98860

Ion Ratio Lower Upper

152 100

150 155.4 124.2 186.2

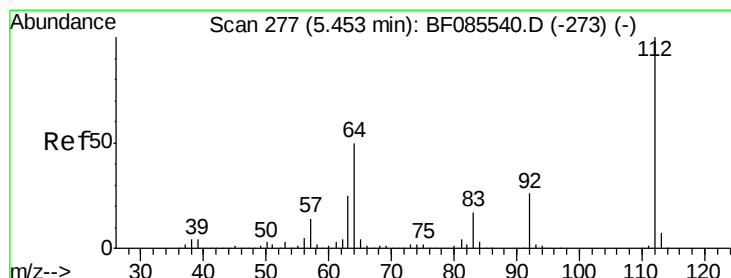
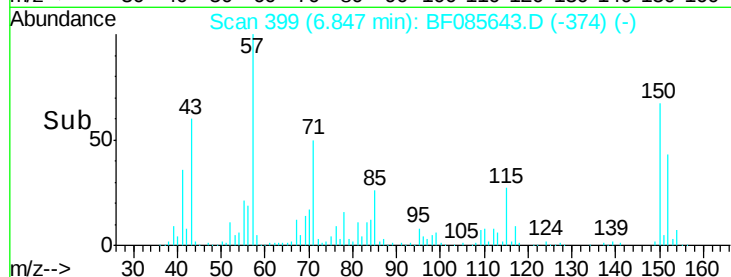
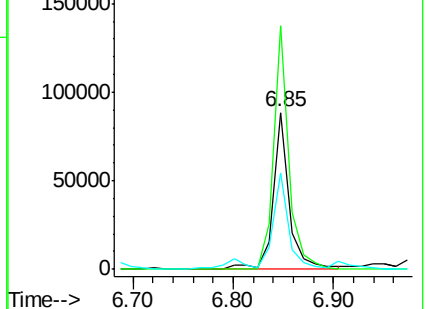
115 61.7 47.0 70.6



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: 123.62 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

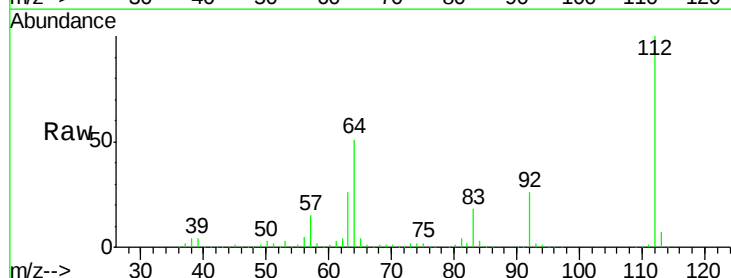
Tgt Ion:112 Resp: 727608

Ion Ratio Lower Upper

112 100

64 51.0 39.9 59.9

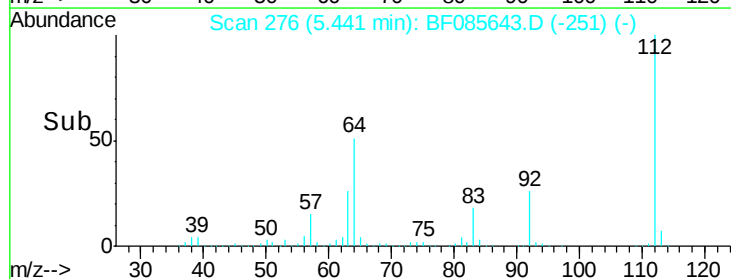
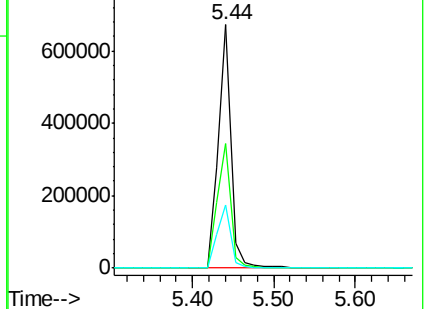
63 25.9 20.2 30.2

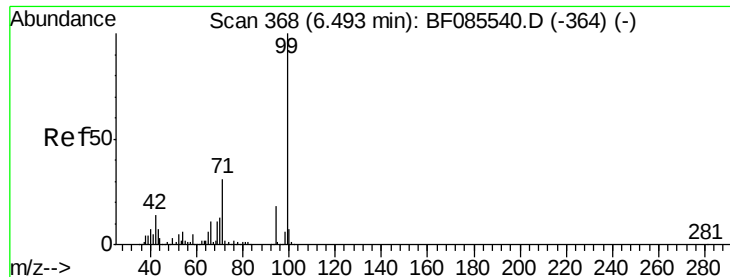


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.08 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

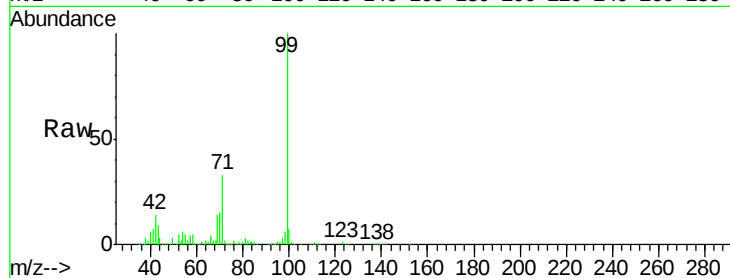
Tgt Ion: 99 Resp: 936630

Ion Ratio Lower Upper

99 100

42 14.3 11.1 16.7

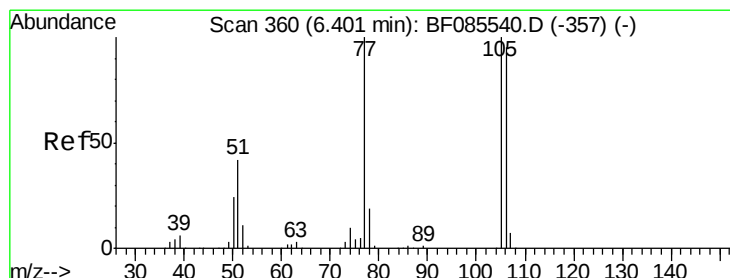
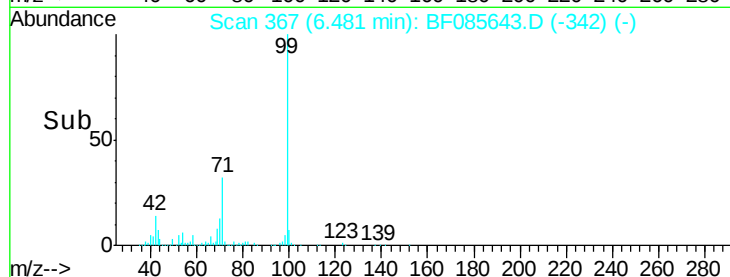
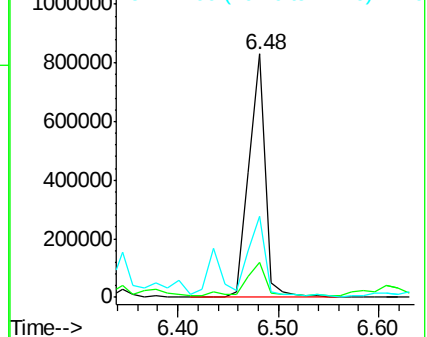
71 33.0 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.56 ng

RT: 6.40 min Scan# 360

Delta R.T. 0.00 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

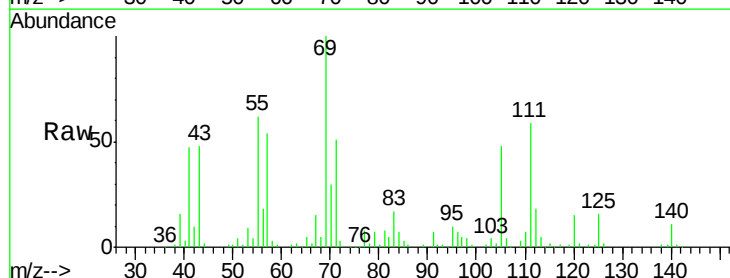
Tgt Ion: 77 Resp: 17024

Ion Ratio Lower Upper

77 100

105 623.2 80.1 120.1#

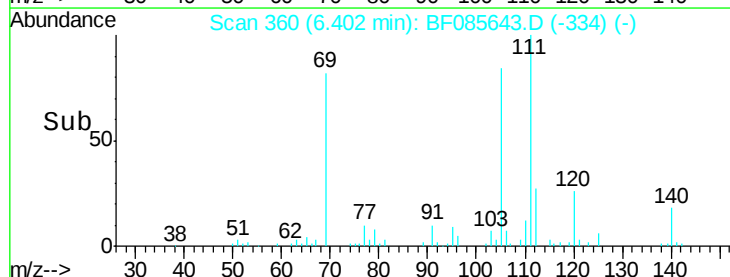
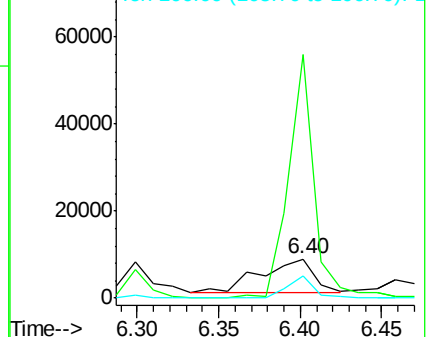
106 55.2 75.0 115.0#

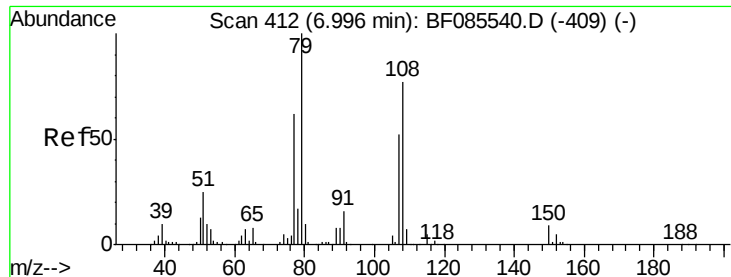


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 4.64 ng

RT: 7.01 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

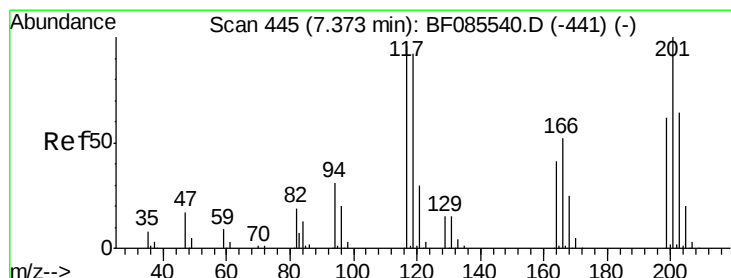
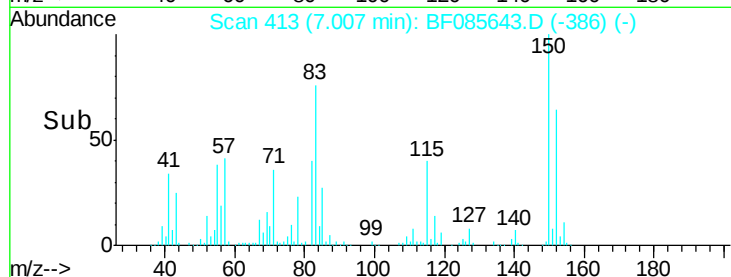
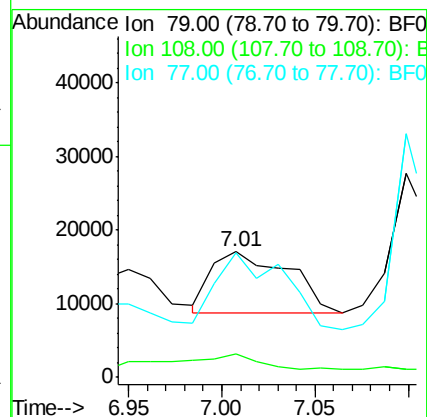
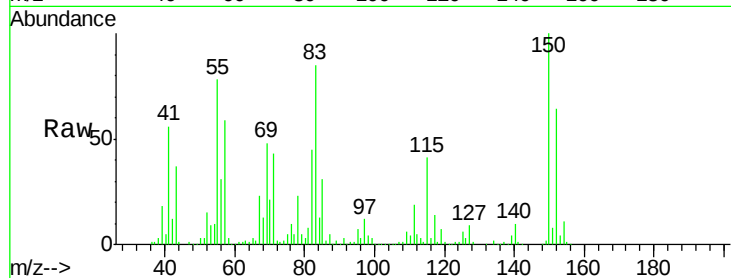
Tgt Ion: 79 Resp: 23967

Ion Ratio Lower Upper

79 100

108 18.5 61.8 92.6#

77 99.5 49.6 74.4#



#18

Hexachloroethane

Concen: 33.14 ng

RT: 7.35 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

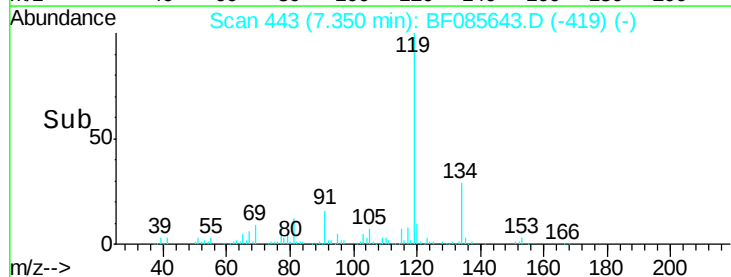
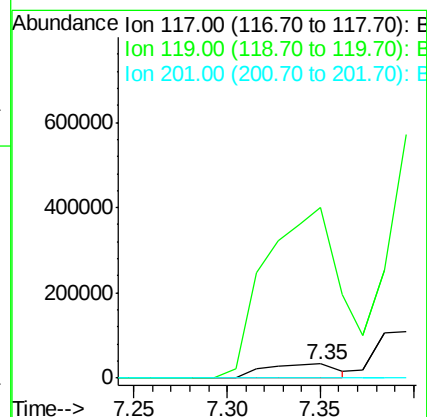
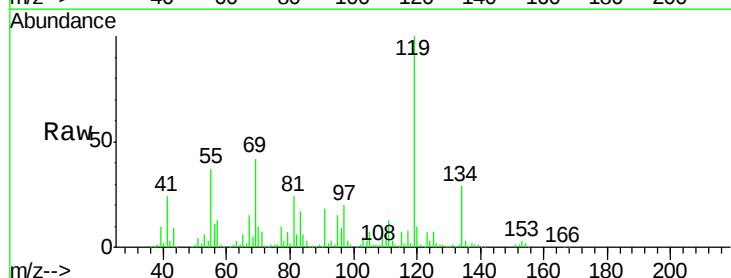
Tgt Ion: 117 Resp: 90548

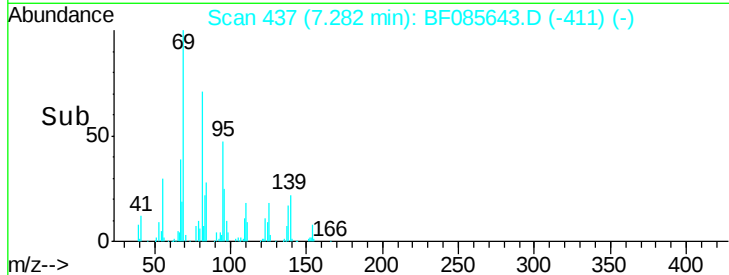
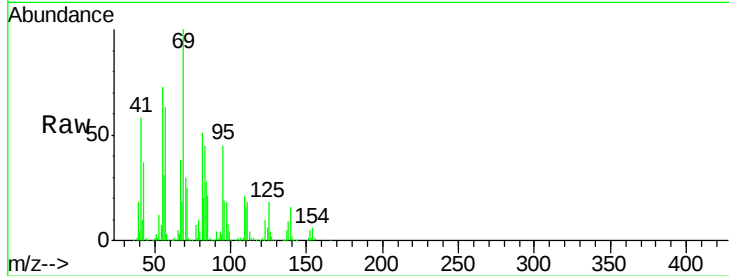
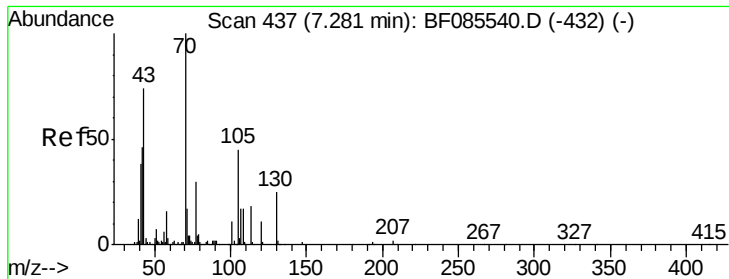
Ion Ratio Lower Upper

117 100

119 1217.8 76.7 115.1#

201 0.0 83.3 124.9#

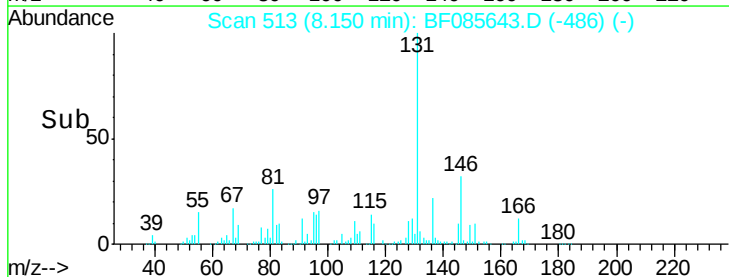
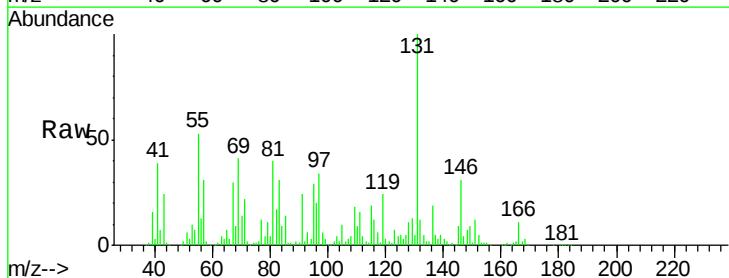
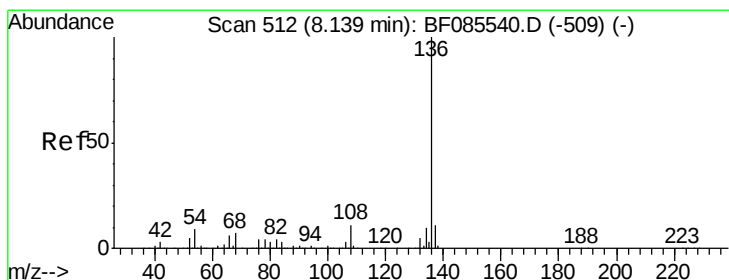
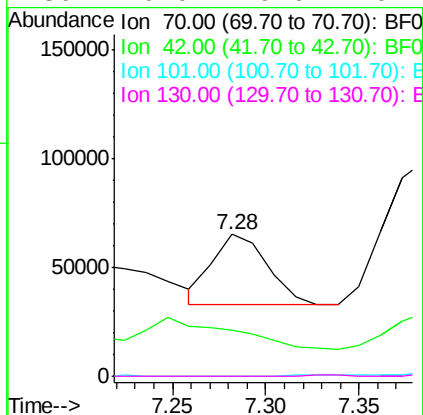




#19
n-Nitroso-di-n-propylamine
Concen: 14.76 ng
RT: 7.28 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

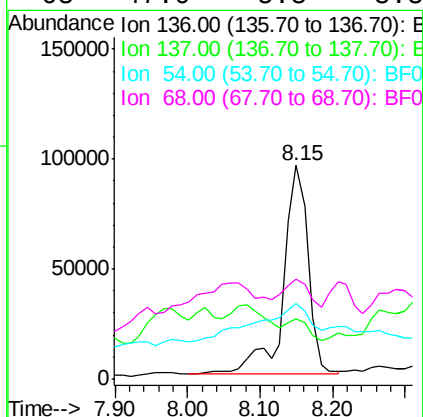
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

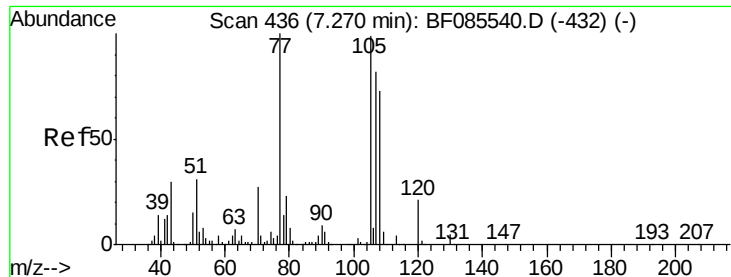
Tgt Ion:	70	Resp:	66572
Ion Ratio	Lower	Upper	
70	100		
42	32.2	37.1	55.7#
101	0.0	8.6	12.8#
130	0.0	19.6	29.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. 0.01 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion:	136	Resp:	228941
Ion Ratio	Lower	Upper	
136	100		
137	28.4	9.1	13.7#
54	35.5	7.4	11.0#
68	47.0	5.8	8.8#





#22

Acetophenone

Concen: 3.69 ng

RT: 7.25 min Scan# 434

Delta R.T. -0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

Tgt Ion:105 Resp: 20071

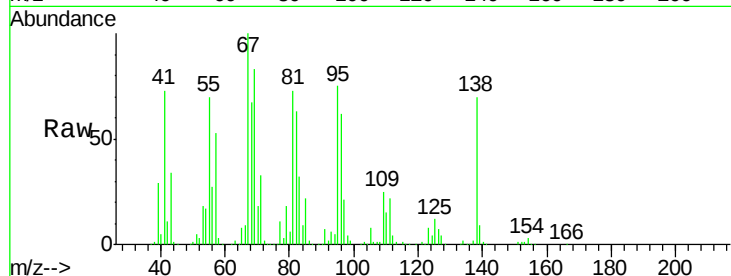
Ion Ratio Lower Upper

105 100

71 431.4 3.6 5.4#

51 65.2 25.4 38.0#

120 0.0 16.9 25.3#

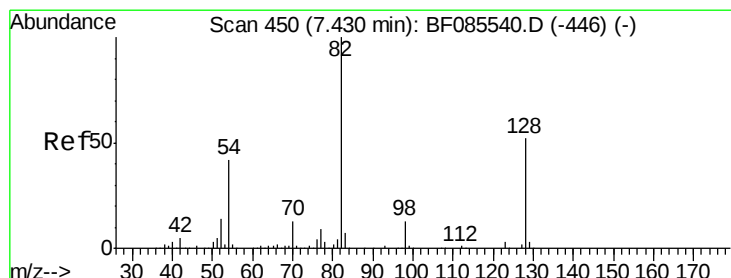
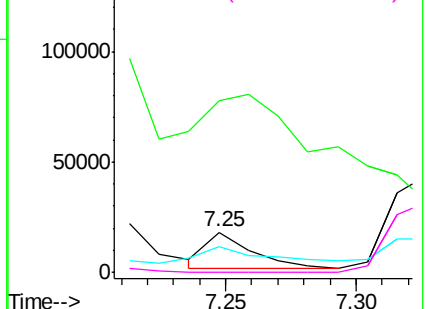
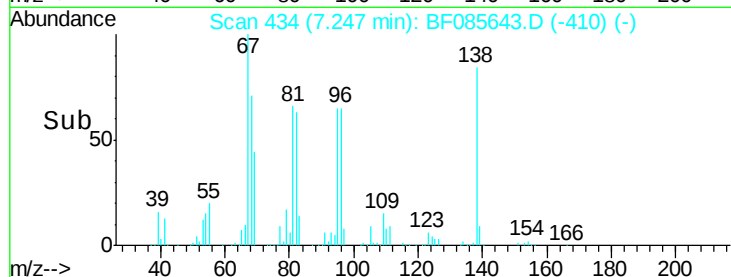


Abundance Ion 105.00 (104.70 to 105.70): E

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: 122.76 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

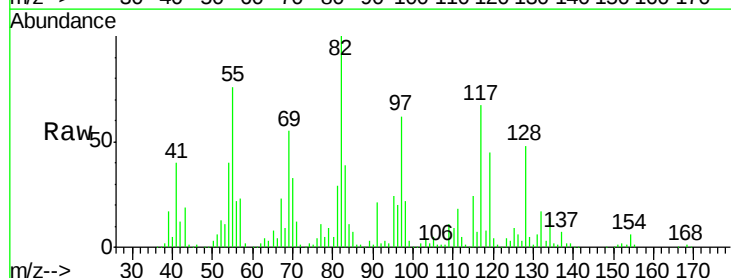
Tgt Ion: 82 Resp: 484198

Ion Ratio Lower Upper

82 100

128 48.5 41.8 62.8

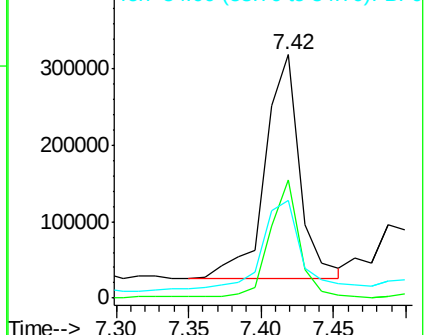
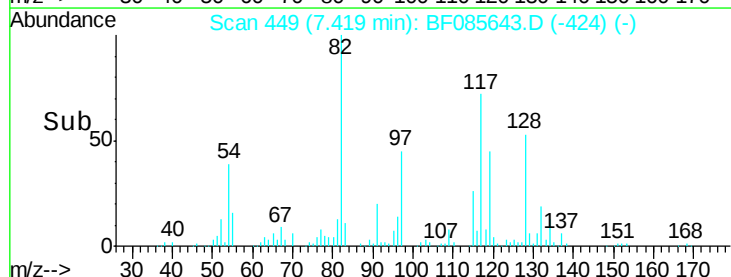
54 40.2 33.4 50.0

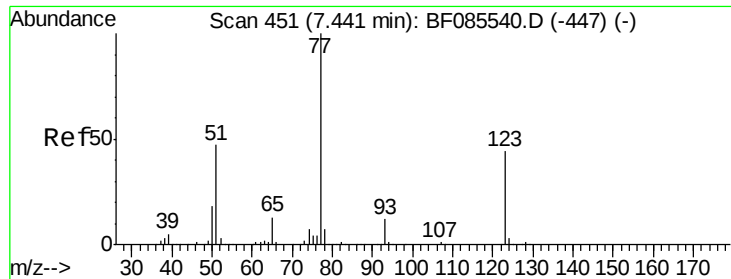


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

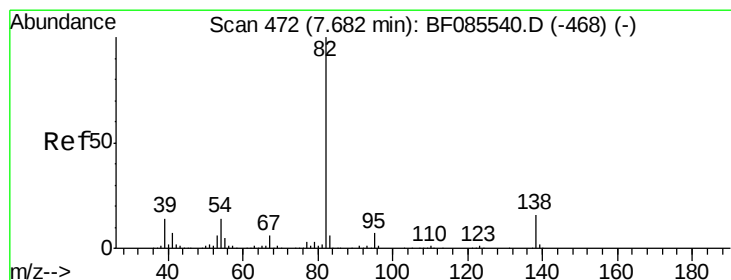
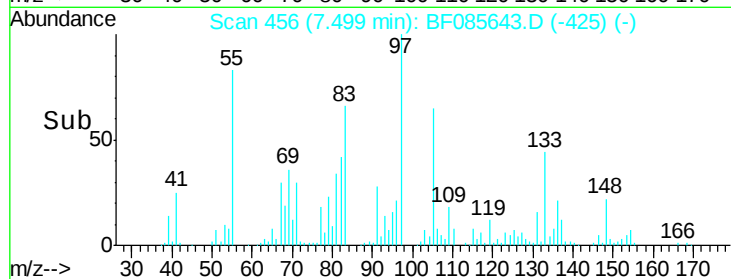
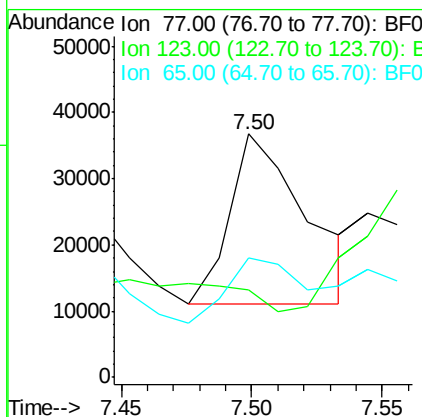
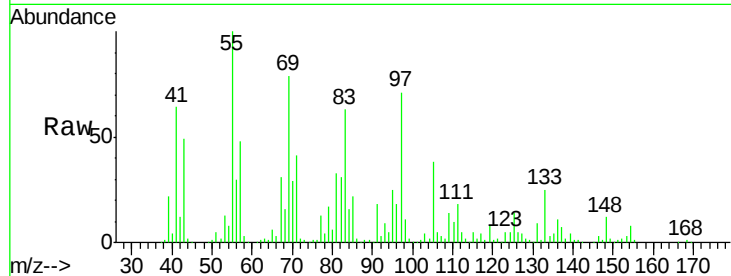




#24
Nitrobenzene
Concen: 12.04 ng
RT: 7.50 min Scan# 456
Delta R.T. 0.06 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

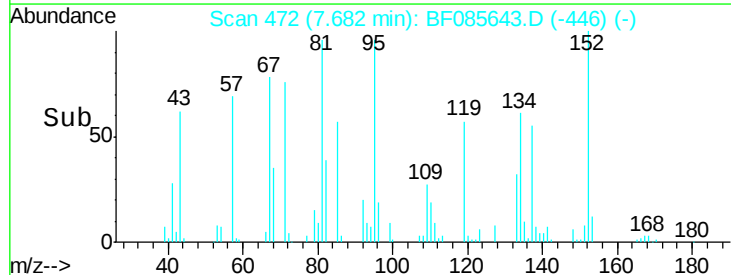
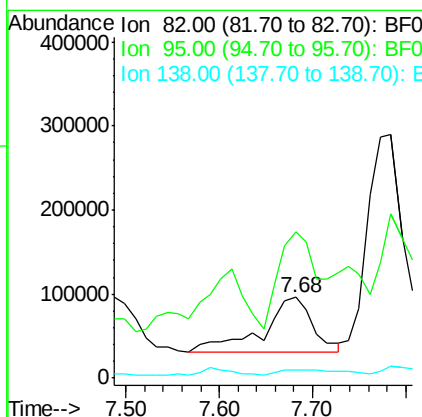
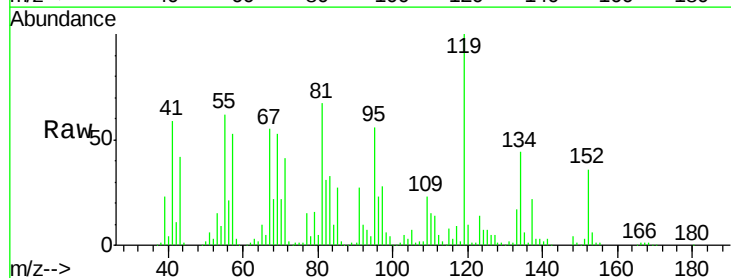
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

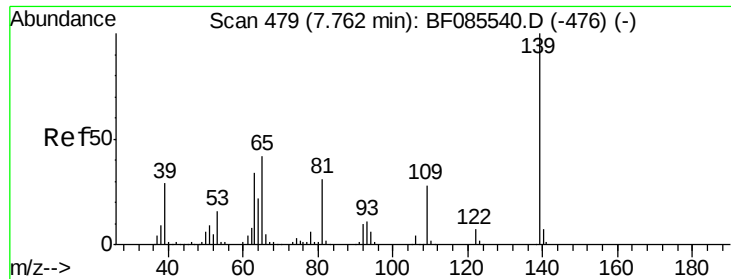
Tgt Ion: 77 Resp: 51964
Ion Ratio Lower Upper
77 100
123 36.1 35.0 52.4
65 48.8 10.6 16.0#



#25
Isophorone
Concen: 31.32 ng
RT: 7.68 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion: 82 Resp: 247333
Ion Ratio Lower Upper
82 100
95 181.2 5.4 8.2#
138 10.3 12.9 19.3#

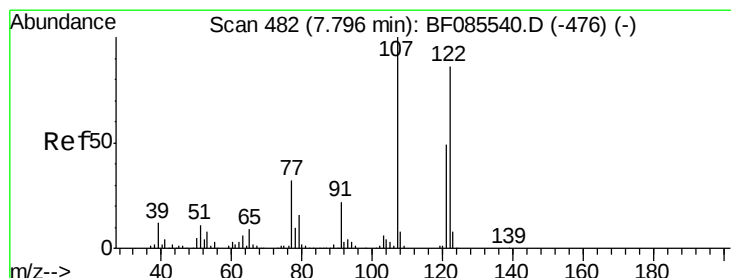
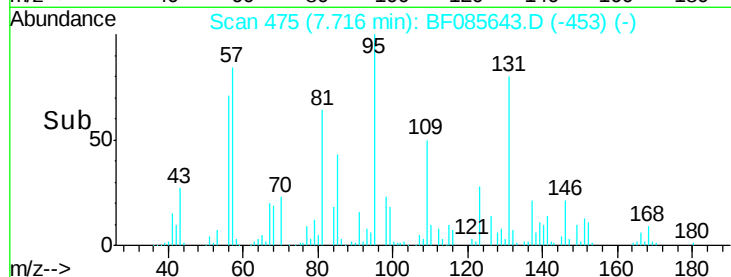
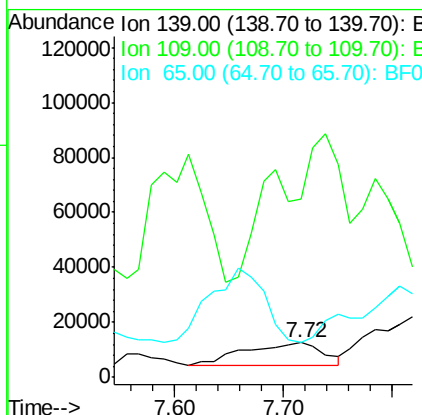
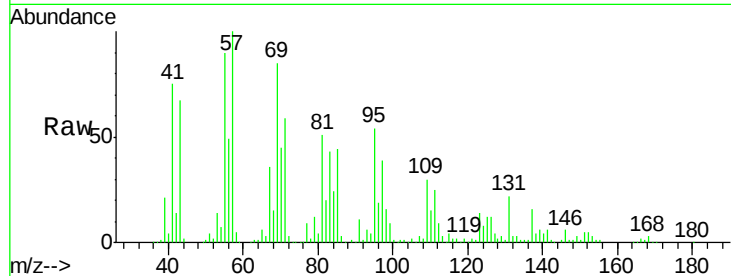




#26
2-Nitrophenol
Concen: 19.10 ng
RT: 7.72 min Scan# 475
Delta R.T. -0.05 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

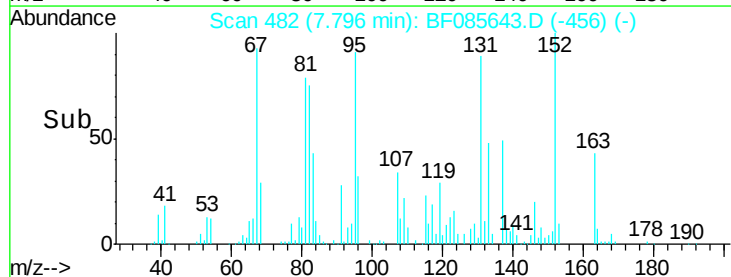
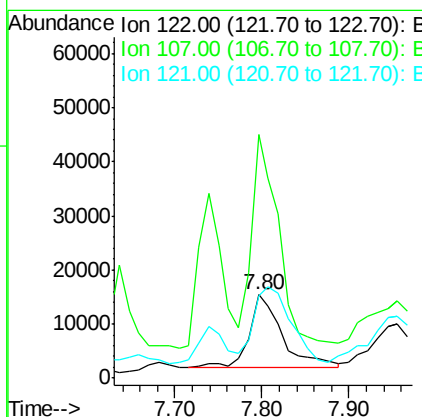
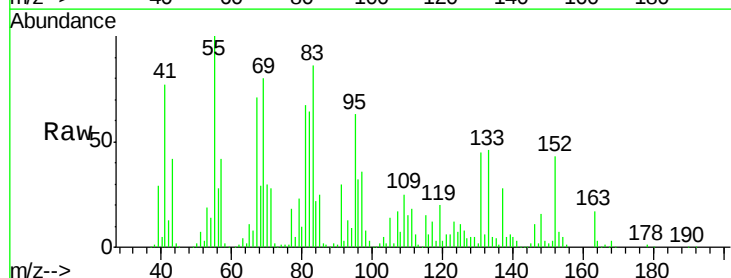
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

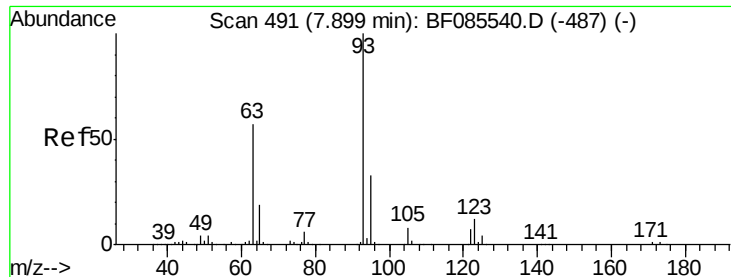
Tgt Ion:139 Resp: 40752
Ion Ratio Lower Upper
139 100
109 514.1 22.1 33.1#
65 99.8 33.9 50.9#



#27
2,4-Dimethylphenol
Concen: 9.79 ng
RT: 7.80 min Scan# 482
Delta R.T. 0.00 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion:122 Resp: 36940
Ion Ratio Lower Upper
122 100
107 292.9 93.0 139.6#
121 99.2 45.9 68.9#

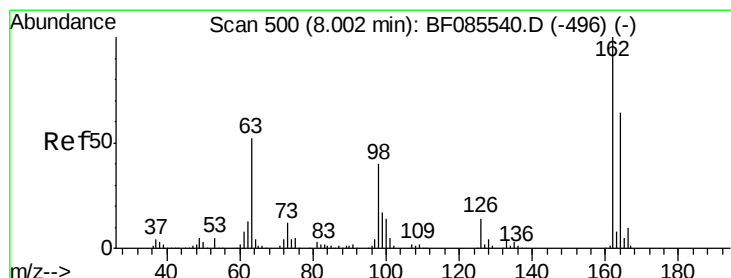
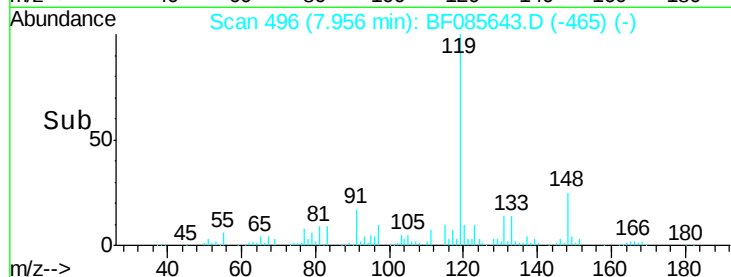
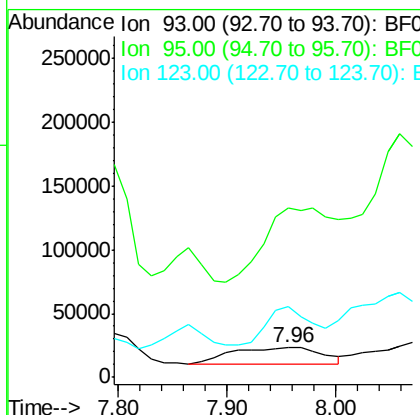
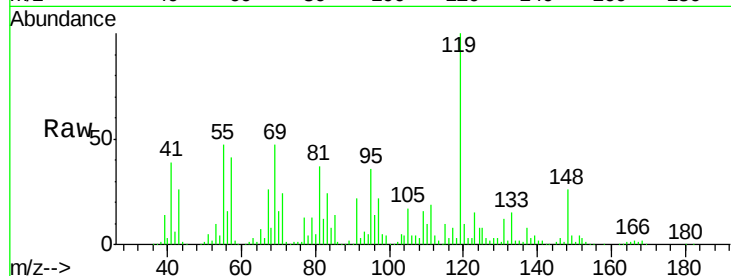




#28
bis(2-Chloroethoxy)methane
Concen: 16.61 ng
RT: 7.96 min Scan# 496
Delta R.T. 0.06 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

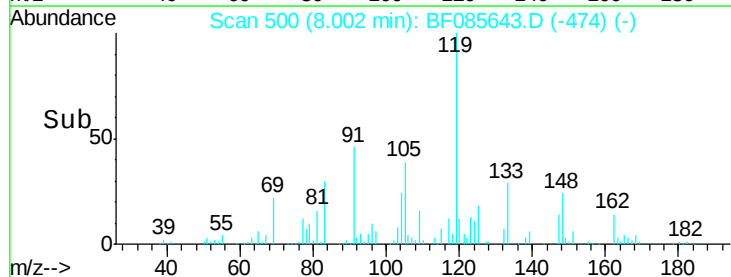
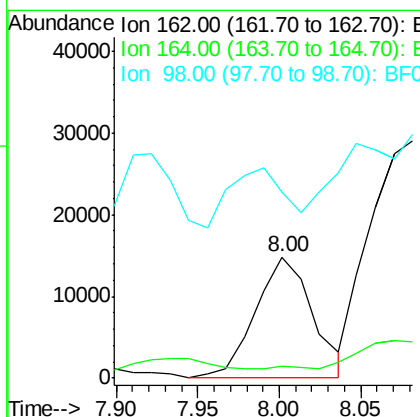
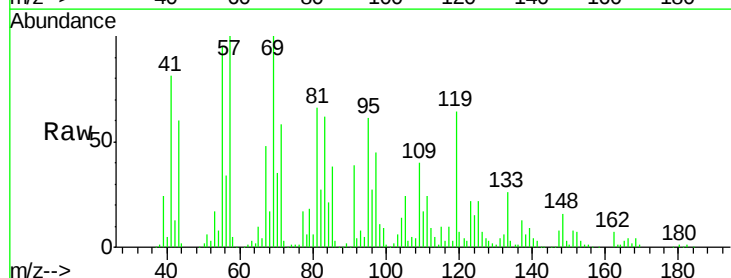
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

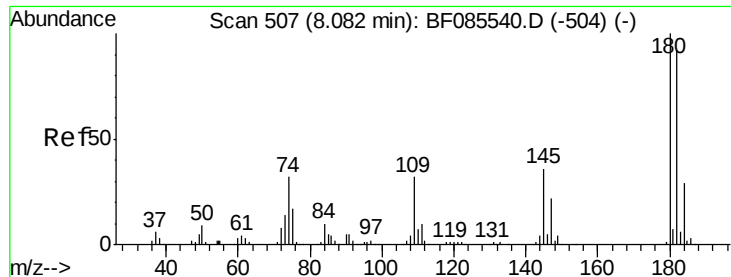
Tgt Ion: 93 Resp: 74621
Ion Ratio Lower Upper
93 100
95 572.0 26.4 39.6#
123 237.4 9.8 14.6#



#29
2,4-Dichlorophenol
Concen: 11.61 ng
RT: 8.00 min Scan# 500
Delta R.T. 0.00 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion: 162 Resp: 36165
Ion Ratio Lower Upper
162 100
164 9.3 43.7 83.7#
98 153.1 20.4 60.4#

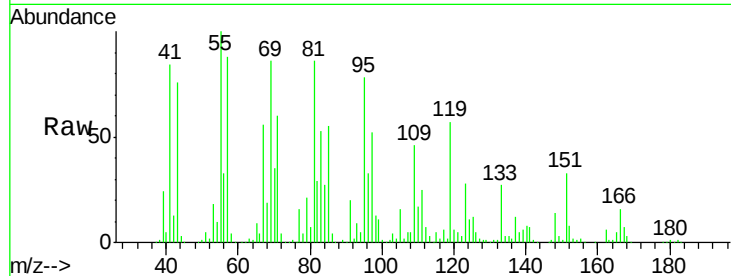




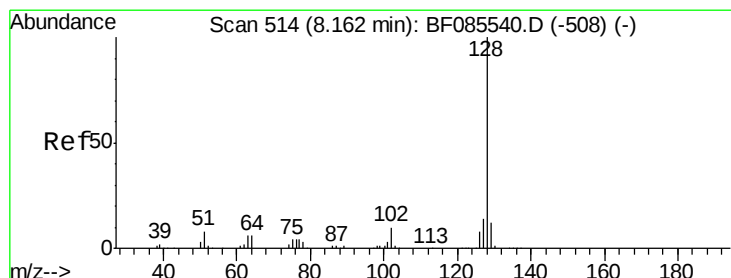
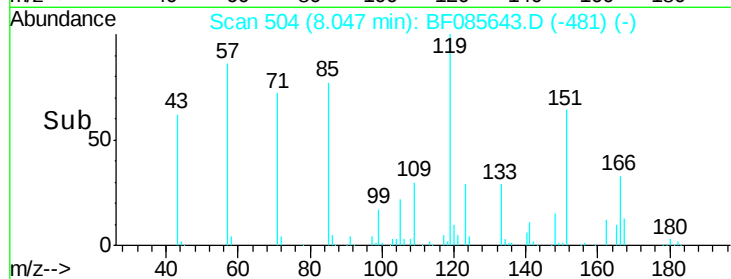
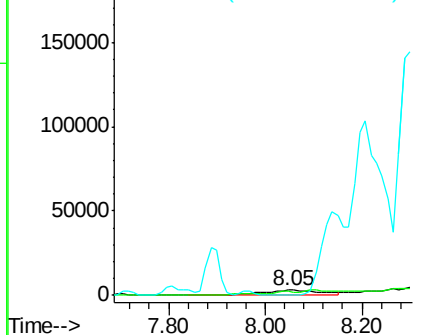
#30
1,2,4-Trichlorobenzene
Concen: 6.84 ng
RT: 8.05 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Tgt Ion:180 Resp: 23890
Ion Ratio Lower Upper
180 100
182 77.5 73.8 110.8
145 0.0 28.4 42.6#

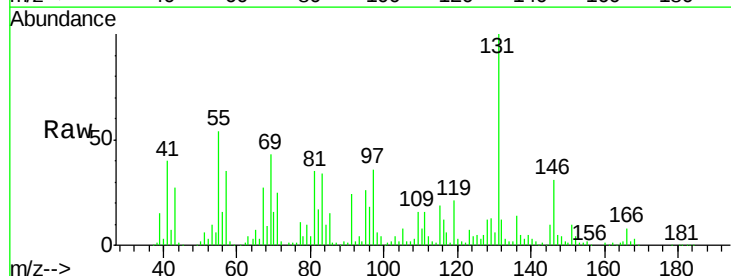


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

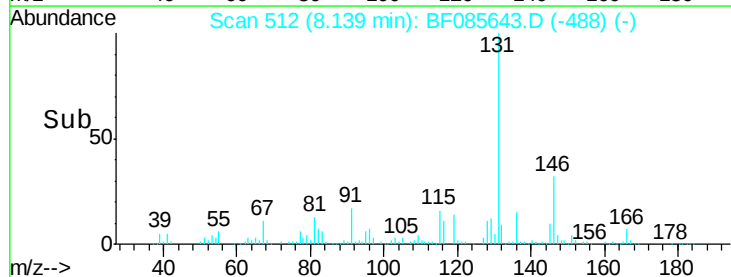
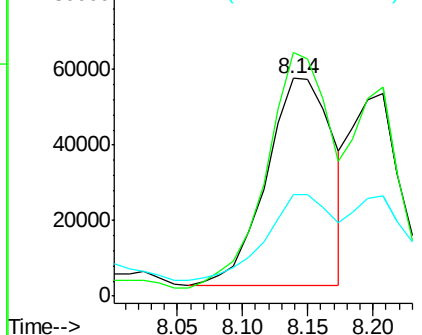


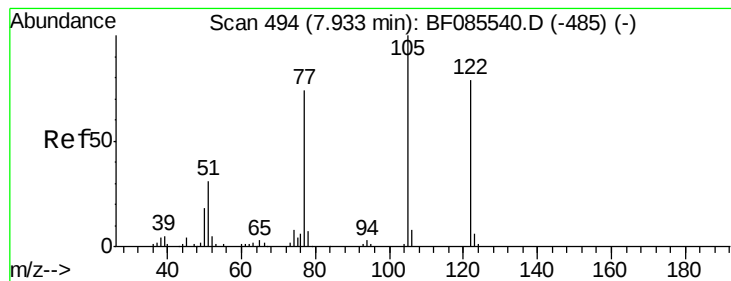
#31
Naphthalene
Concen: 16.75 ng
RT: 8.14 min Scan# 512
Delta R.T. -0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion:128 Resp: 193588
Ion Ratio Lower Upper
128 100
129 111.9 9.4 14.0#
127 46.5 11.0 16.6#



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: 8.54 ng

RT: 7.96 min Scan# 496

Delta R.T. 0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

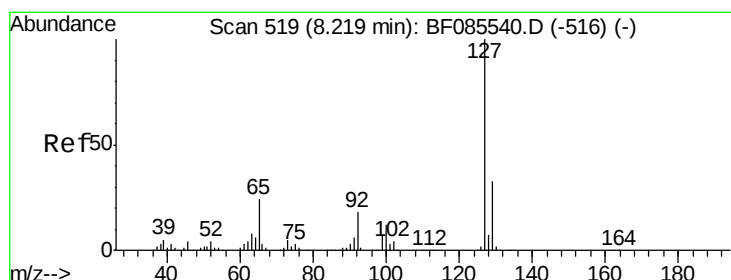
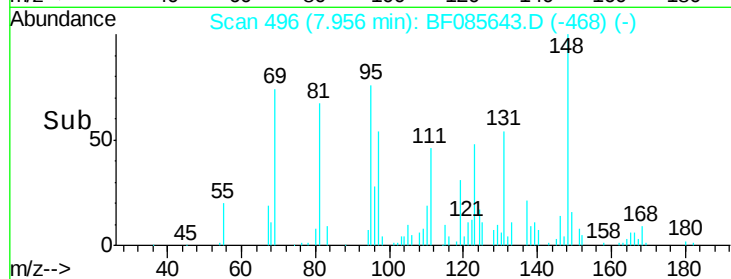
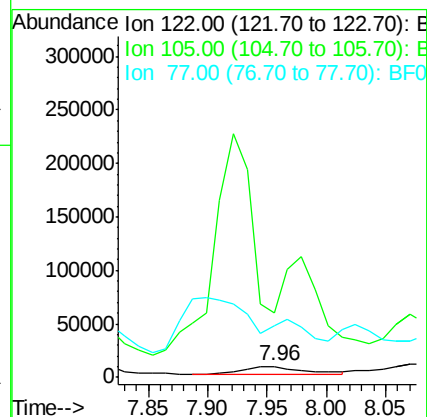
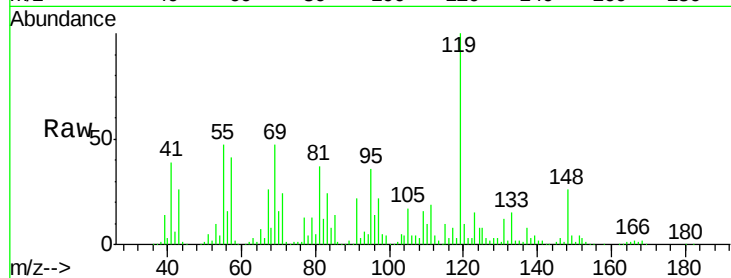
Tgt Ion:122 Resp: 26956

Ion Ratio Lower Upper

122 100

105 605.0 102.9 142.9#

77 485.0 71.8 111.8#



#33

4-Chloroaniline

Concen: 9.33 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Tgt Ion:127 Resp: 44202

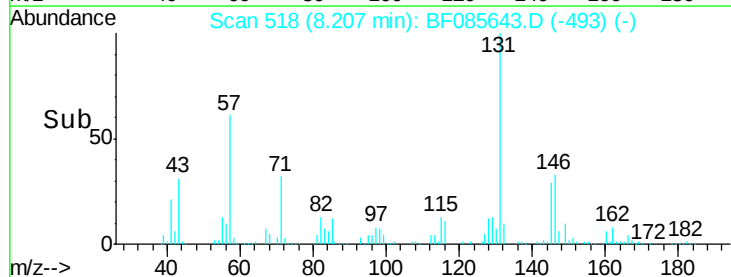
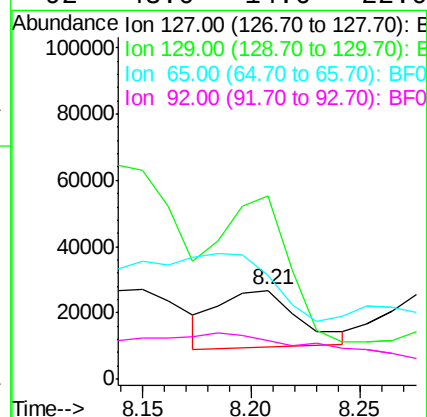
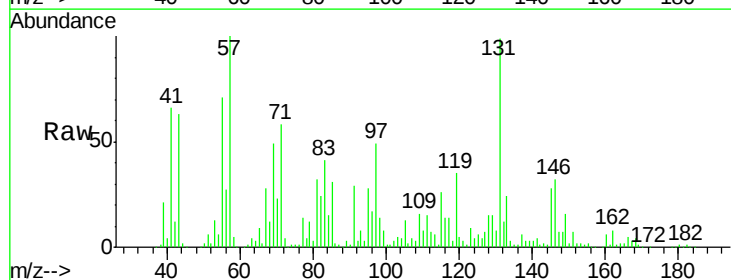
Ion Ratio Lower Upper

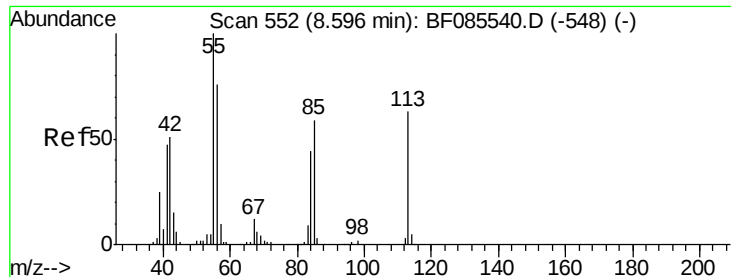
127 100

129 207.7 26.1 39.1#

65 117.6 19.5 29.3#

92 43.0 14.6 22.0#

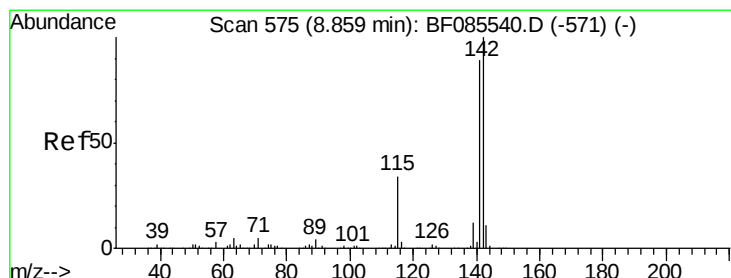
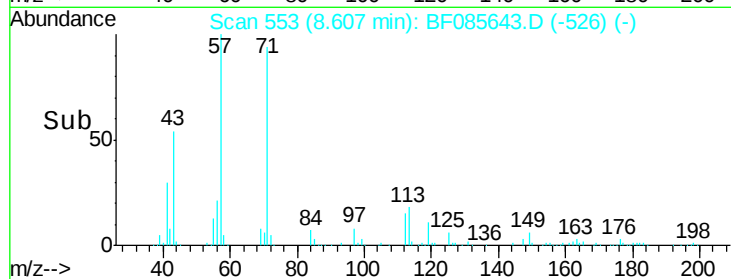
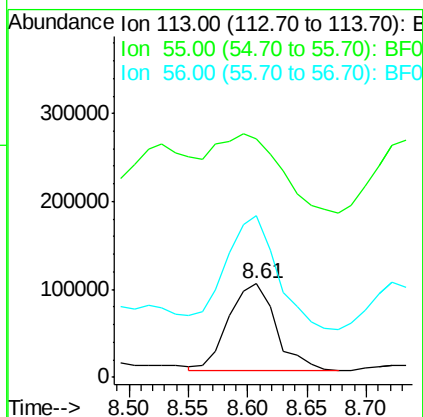
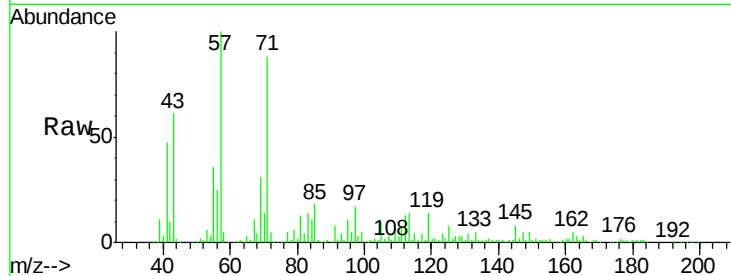




#35
 Caprolactam
 Concen: 254.97 ng
 RT: 8.61 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

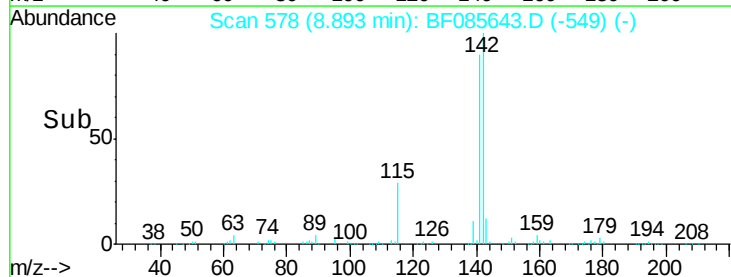
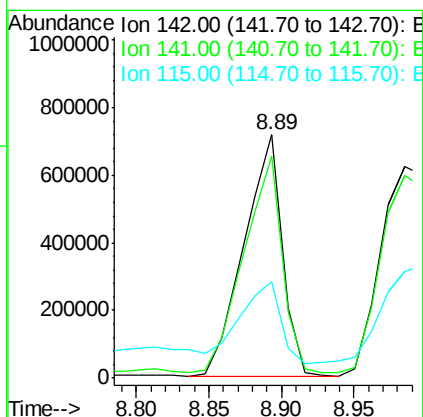
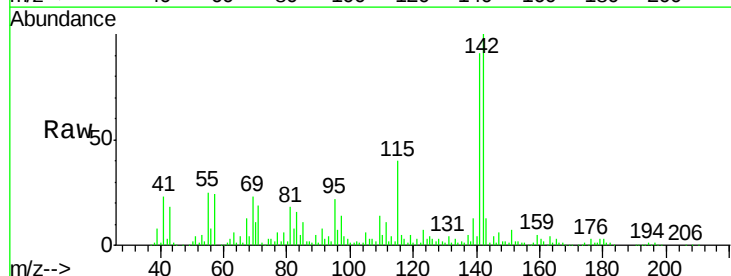
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

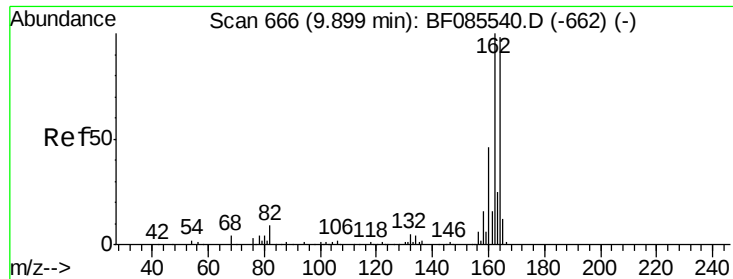
Tgt Ion:113 Resp: 273356
 Ion Ratio Lower Upper
 113 100
 55 255.8 139.4 179.4#
 56 173.9 100.4 140.4#



#37
 2-Methylnaphthalene
 Concen: 185.65 ng
 RT: 8.89 min Scan# 578
 Delta R.T. 0.03 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion:142 Resp: 1307699
 Ion Ratio Lower Upper
 142 100
 141 91.1 71.6 107.4
 115 39.7 26.8 40.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 669

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

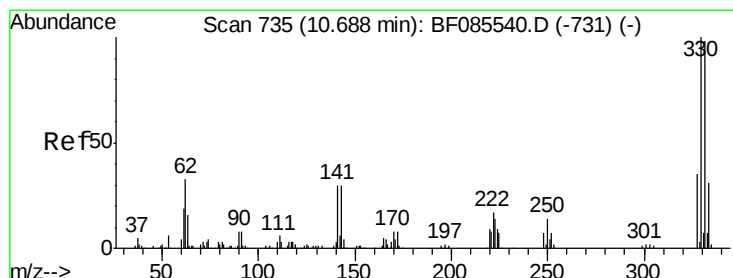
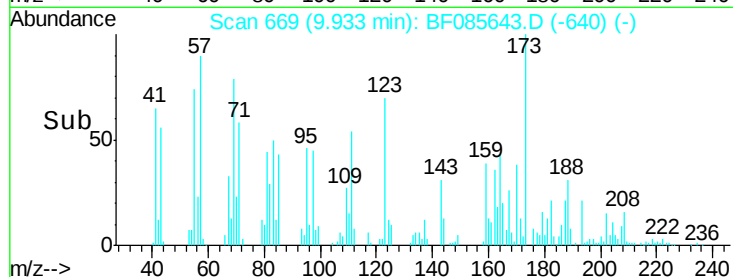
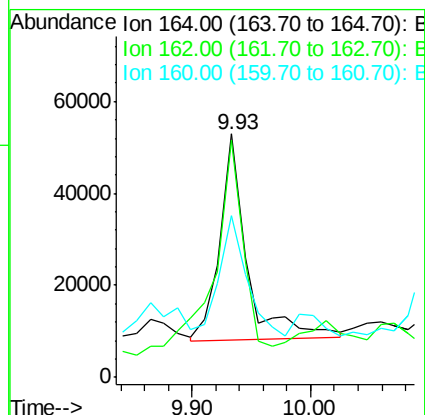
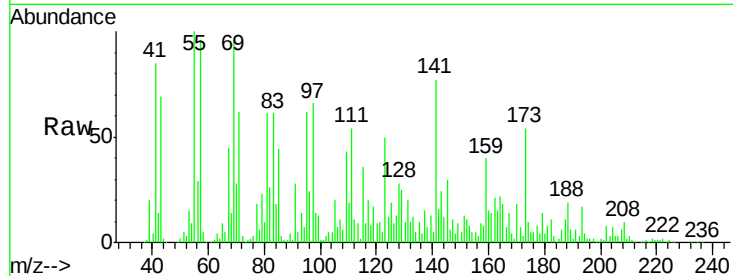
Tgt Ion:164 Resp: 71030

Ion Ratio Lower Upper

164 100

162 97.6 82.1 123.1

160 66.4 37.4 56.2#



#41

2,4,6-Tribromophenol

Concen: 137.30 ng

RT: 10.72 min Scan# 738

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

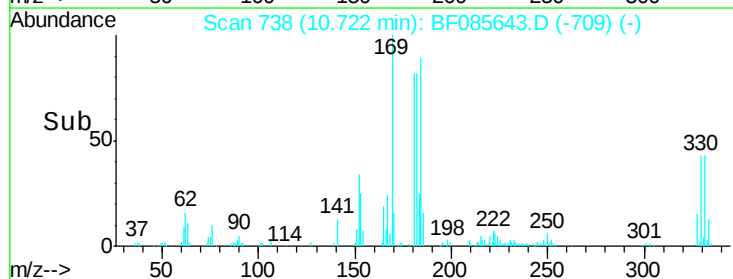
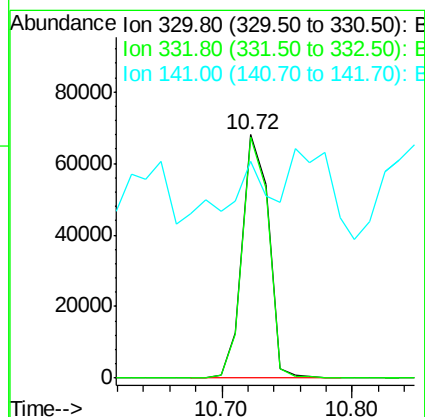
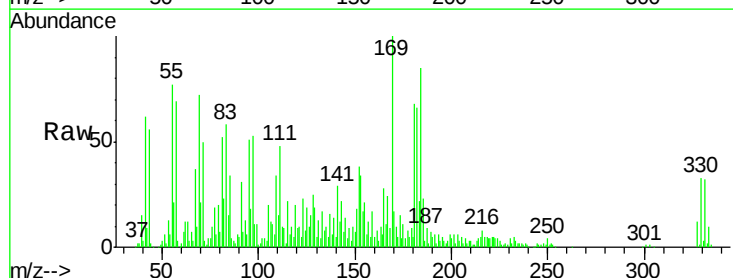
Tgt Ion:330 Resp: 95532

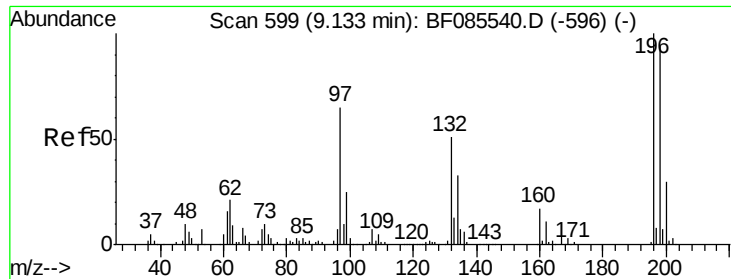
Ion Ratio Lower Upper

330 100

332 98.6 78.2 117.2

141 22.5 31.5 47.3#

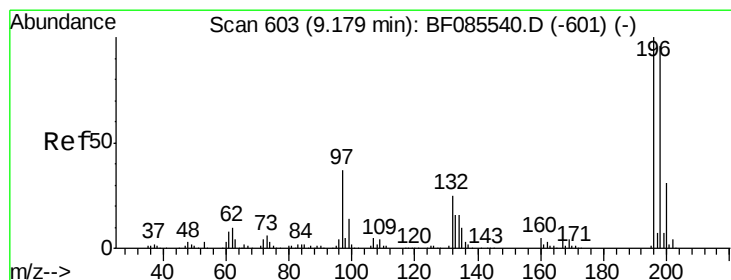
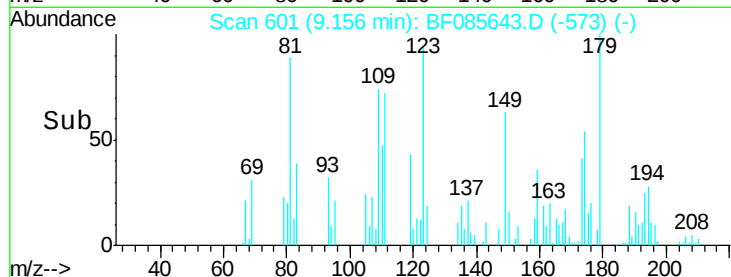
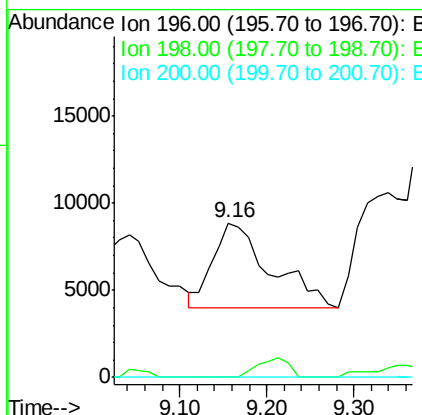
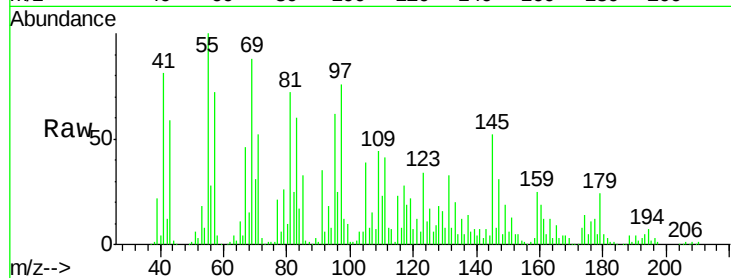




#42
 2,4,6-Trichlorophenol
 Concen: 15.21 ng
 RT: 9.16 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

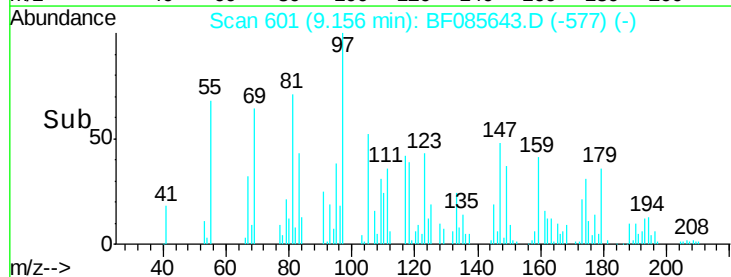
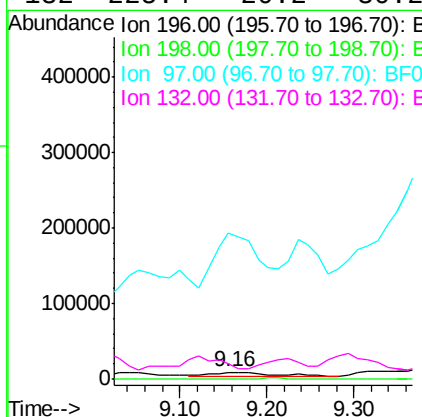
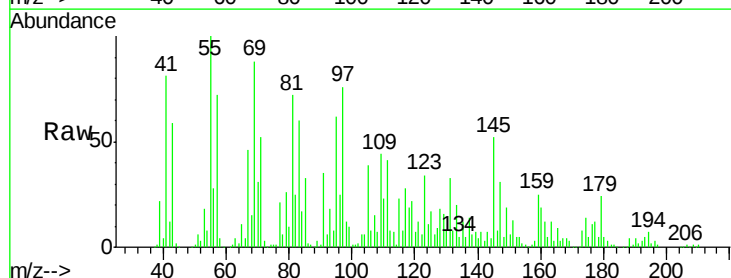
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

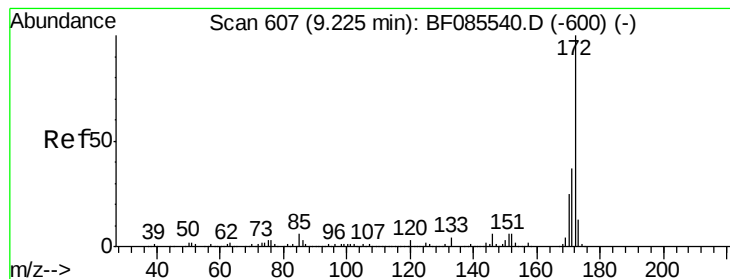
Tgt Ion:196 Resp: 22435
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.3 112.9#
 200 0.0 23.7 35.5#



#43
 2,4,5-Trichlorophenol
 Concen: 14.95 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion:196 Resp: 22435
 Ion Ratio Lower Upper
 196 100
 198 0.0 76.6 114.8#
 97 2188.0 30.5 45.7#
 132 225.4 20.2 30.2#





#44

2-Fluorobiphenyl

Concen: 137.29 ng

RT: 9.25 min Scan# 609

Delta R.T. 0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

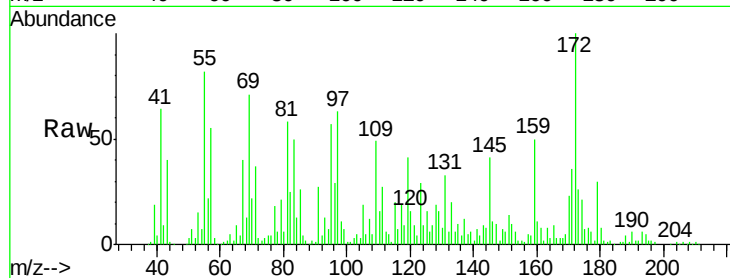
Tgt Ion:172 Resp: 485607

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.2

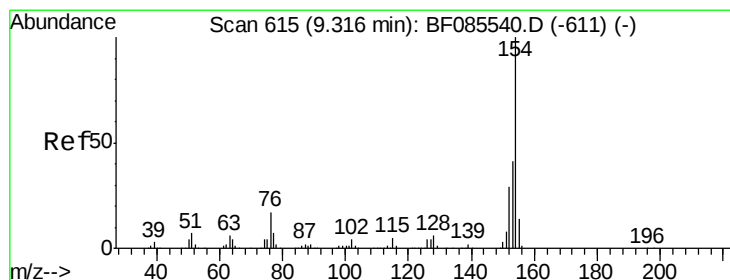
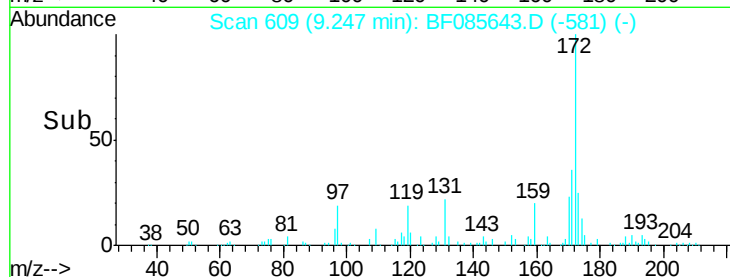
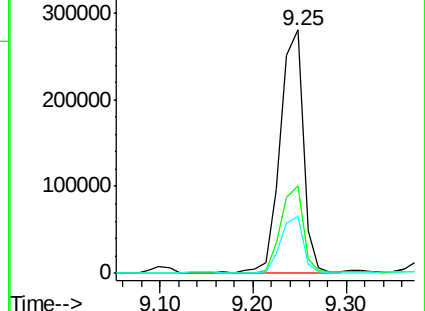
170 23.3 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 4.59 ng

RT: 9.34 min Scan# 617

Delta R.T. 0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

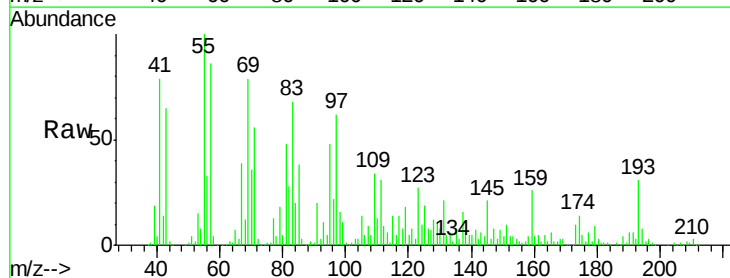
Tgt Ion:154 Resp: 28154

Ion Ratio Lower Upper

154 100

153 125.2 20.8 60.8#

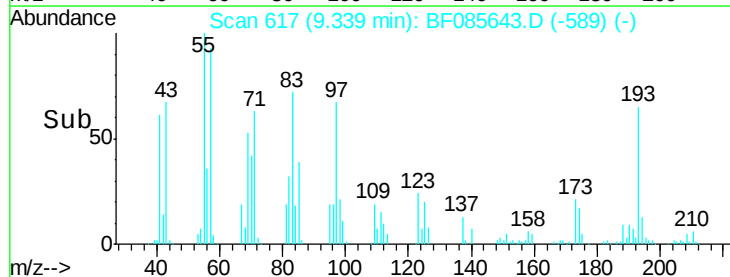
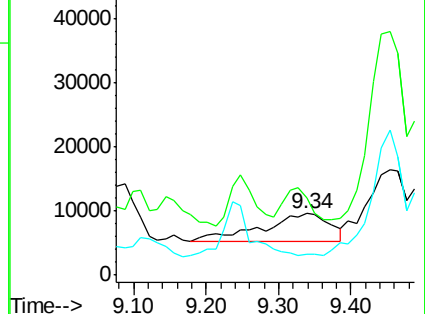
76 34.7 0.0 36.7

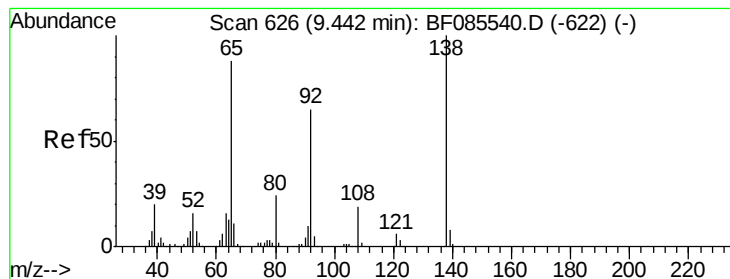


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 7.39 ng

RT: 9.49 min Scan# 630

Delta R.T. 0.05 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

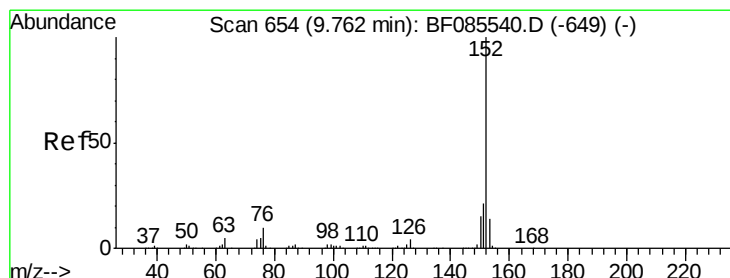
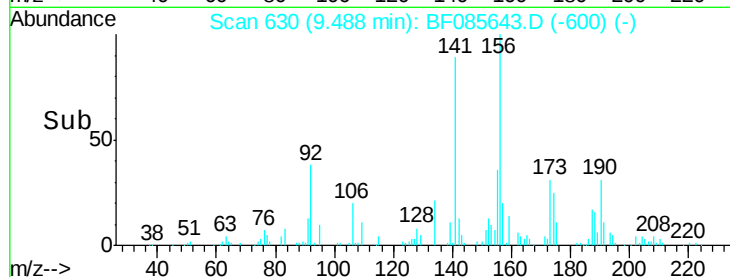
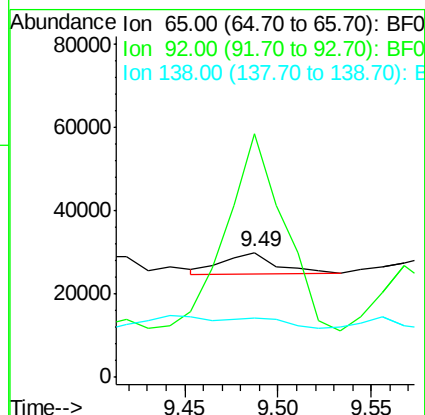
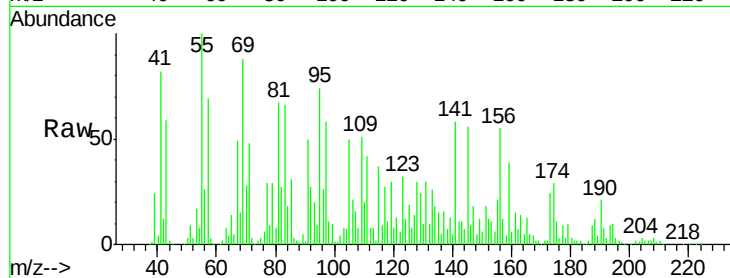
Tgt Ion: 65 Resp: 10004

Ion Ratio Lower Upper

65 100

92 194.6 59.7 89.5#

138 47.6 91.4 137.0#



#48

Acenaphthylene

Concen: 9.91 ng

RT: 9.81 min Scan# 658

Delta R.T. 0.05 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

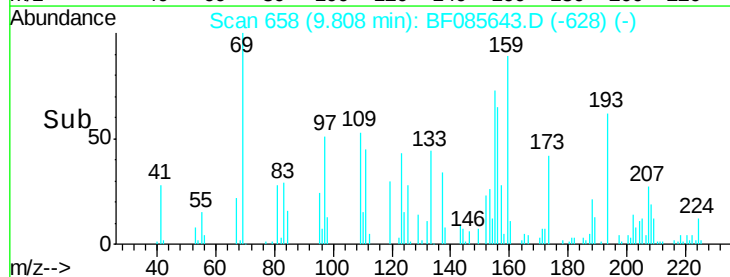
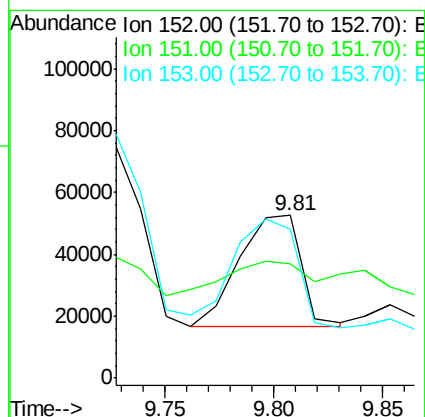
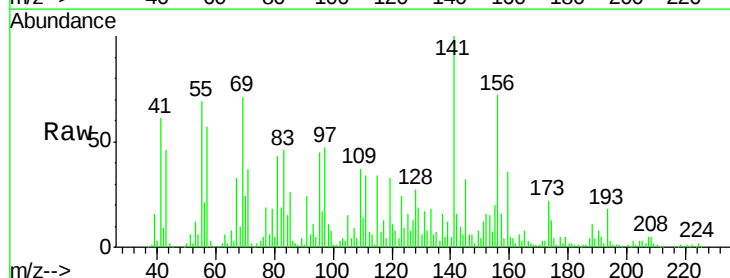
Tgt Ion: 152 Resp: 71804

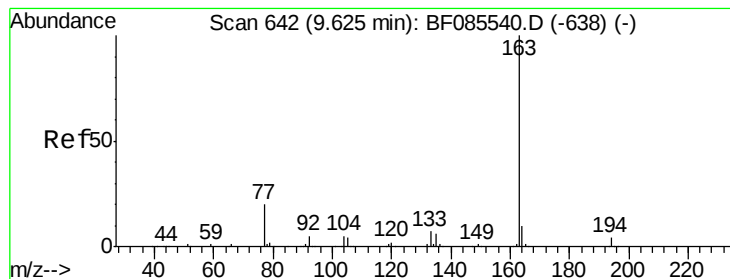
Ion Ratio Lower Upper

152 100

151 70.7 16.8 25.2#

153 91.8 10.9 16.3#





#49

Dimethylphthalate

Concen: 10.92 ng

RT: 9.64 min Scan# 643

Delta R.T. 0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

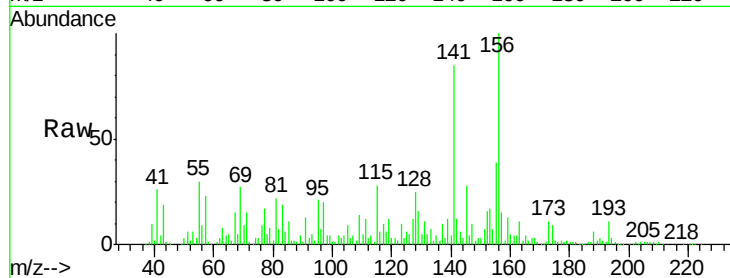
Tgt Ion:163 Resp: 58508

Ion Ratio Lower Upper

163 100

194 30.6 2.9 4.3#

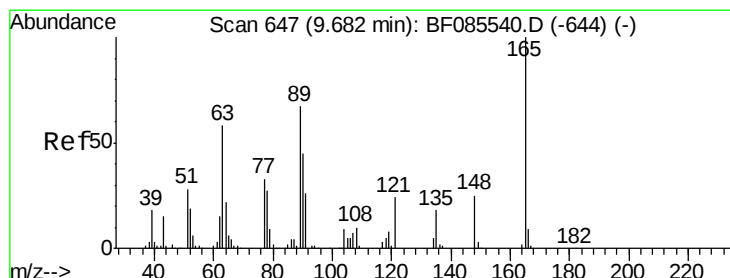
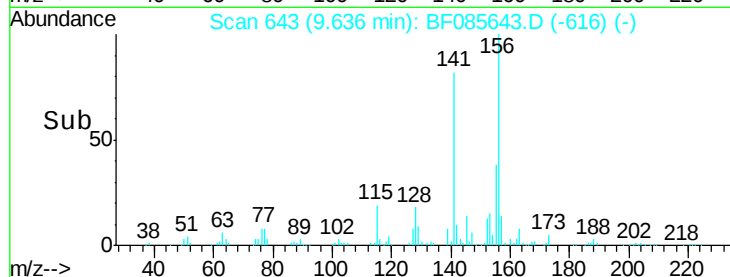
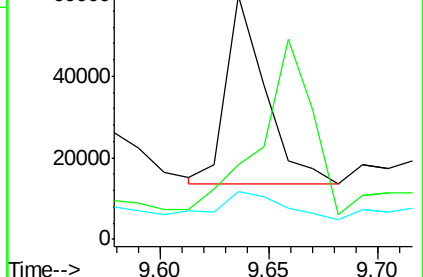
164 19.6 8.3 12.5#



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: 45.91 ng

RT: 9.75 min Scan# 653

Delta R.T. 0.07 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

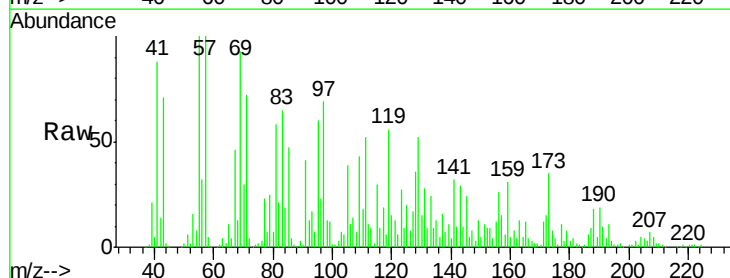
Tgt Ion:165 Resp: 51948

Ion Ratio Lower Upper

165 100

63 36.3 51.8 77.8#

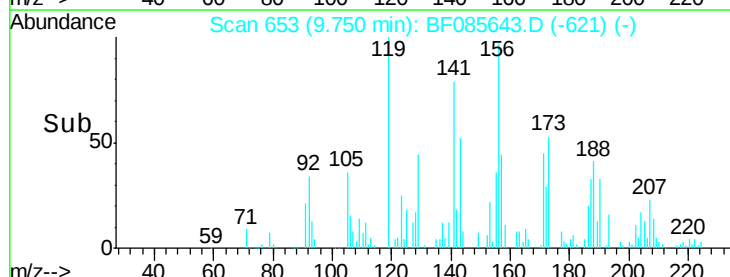
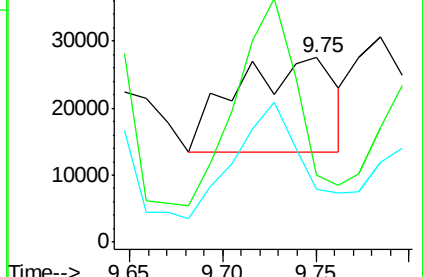
89 28.8 53.7 80.5#

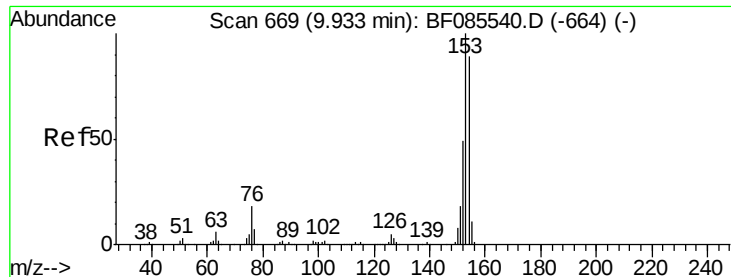


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 33.89 ng

RT: 9.97 min Scan# 672

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

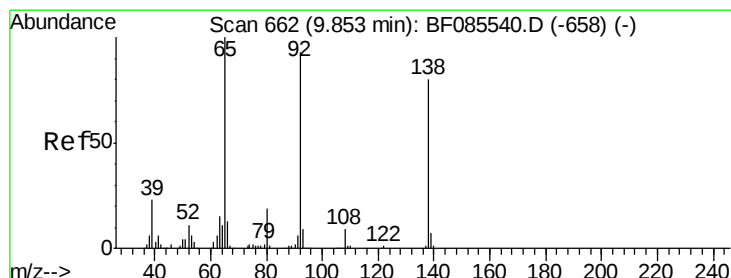
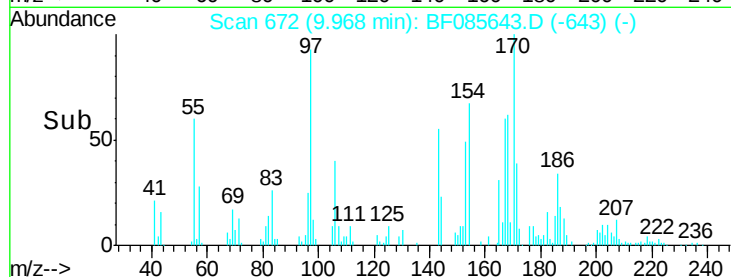
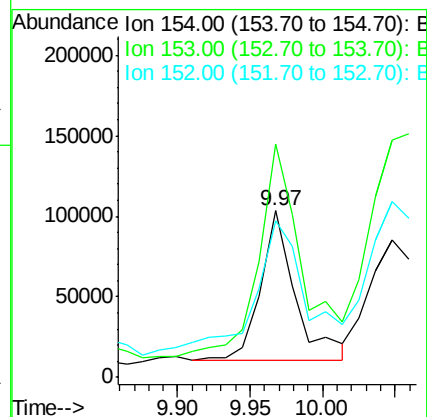
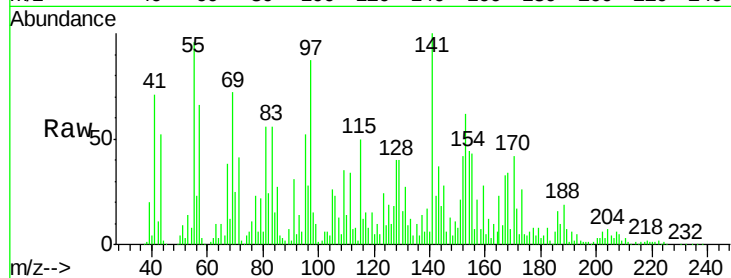
Tgt Ion:154 Resp: 154063

Ion Ratio Lower Upper

154 100

153 140.5 90.1 135.1#

152 94.1 44.2 66.2#



#52

3-Nitroaniline

Concen: 16.58 ng

RT: 9.89 min Scan# 665

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

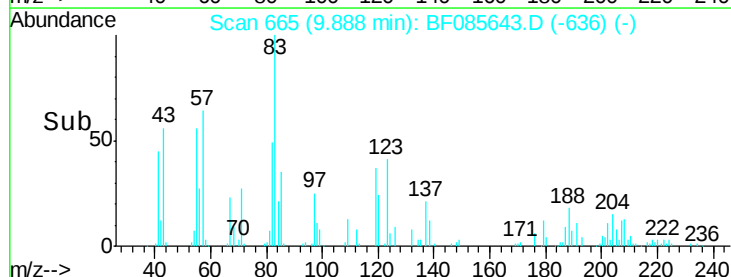
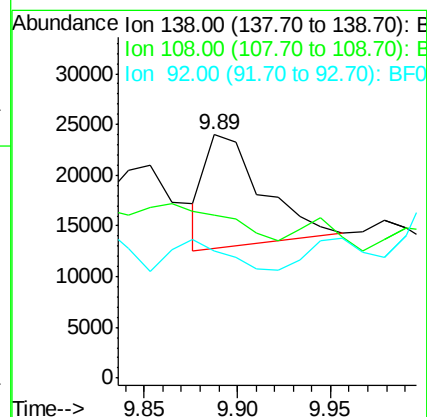
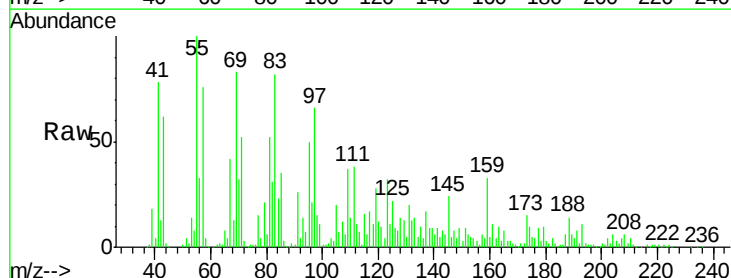
Tgt Ion:138 Resp: 23497

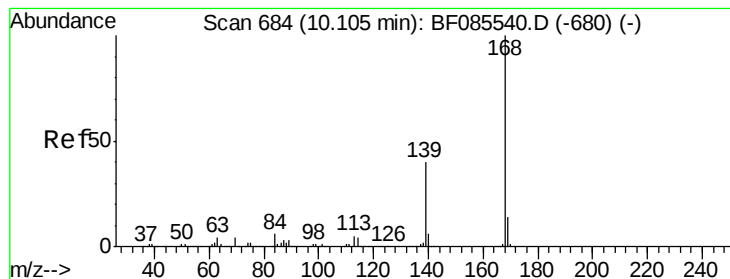
Ion Ratio Lower Upper

138 100

108 67.0 8.7 13.1#

92 52.3 93.3 139.9#





#54

Dibenzofuran

Concen: 24.09 ng

RT: 10.14 min Scan# 687

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

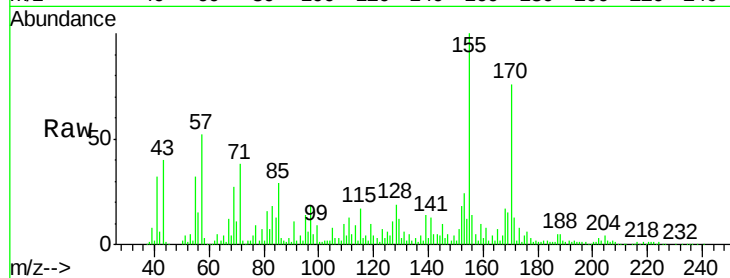
Tgt Ion:168 Resp: 133371

Ion Ratio Lower Upper

168 100

139 83.7 31.9 47.9#

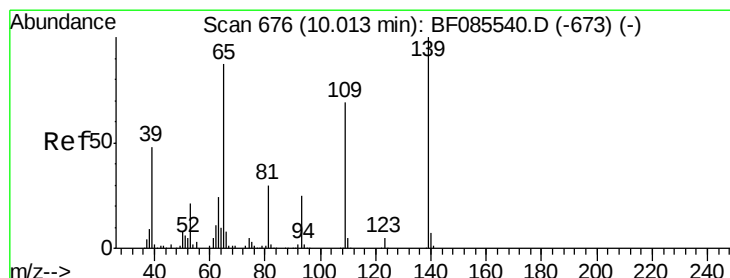
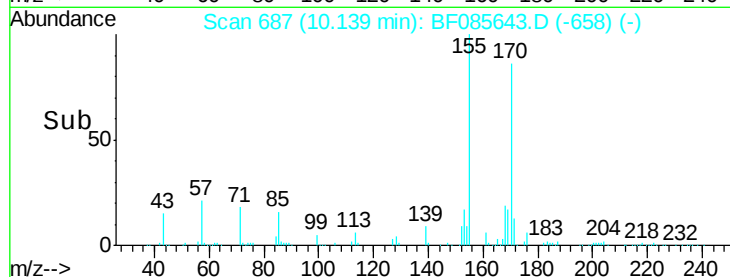
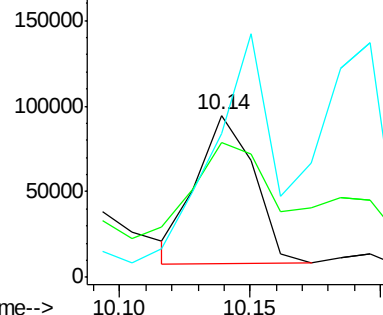
169 89.1 11.0 16.6#



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: 102.37 ng

RT: 10.05 min Scan# 679

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

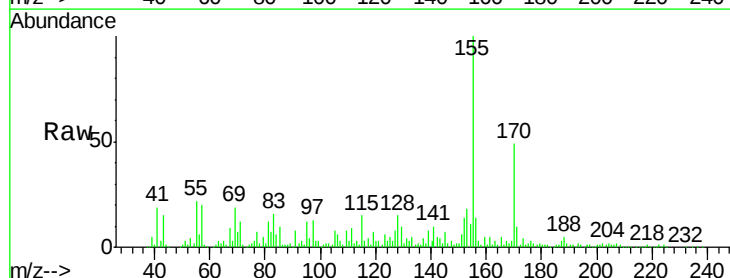
Tgt Ion:139 Resp: 112123

Ion Ratio Lower Upper

139 100

109 99.7 49.2 89.2#

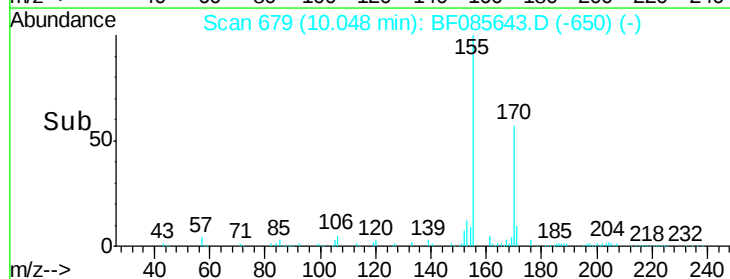
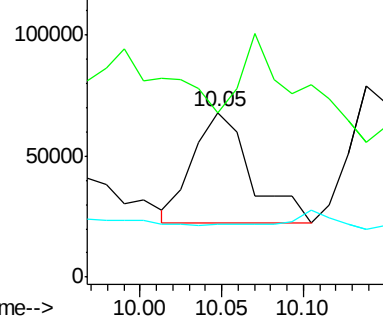
65 32.4 66.9 106.9#

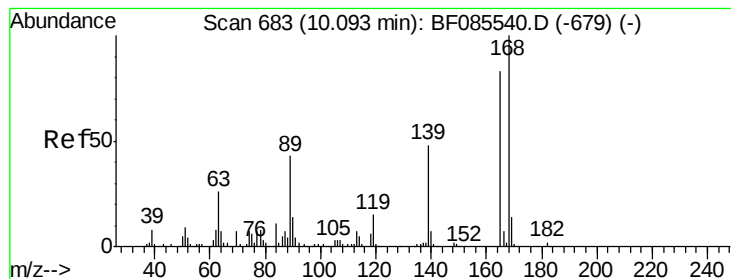


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 23.29 ng

RT: 10.15 min Scan# 688

Delta R.T. 0.06 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

Tgt Ion:165 Resp: 34501

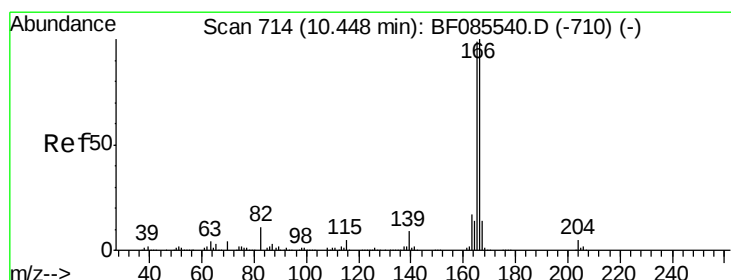
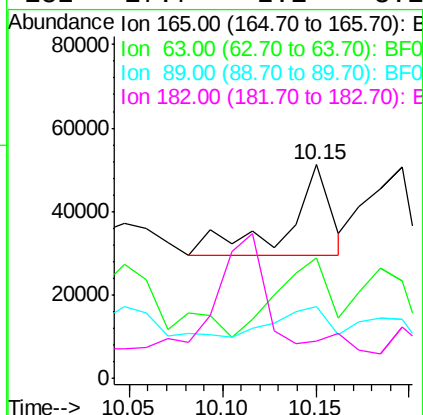
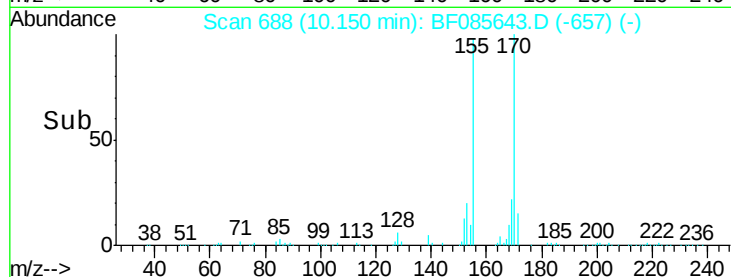
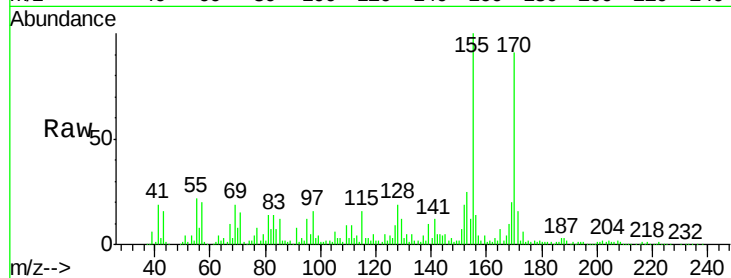
Ion Ratio Lower Upper

165 100

63 56.3 24.9 37.3#

89 33.8 41.0 61.6#

182 17.7 2.1 3.1#



#57

Fluorene

Concen: 82.31 ng

RT: 10.48 min Scan# 717

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

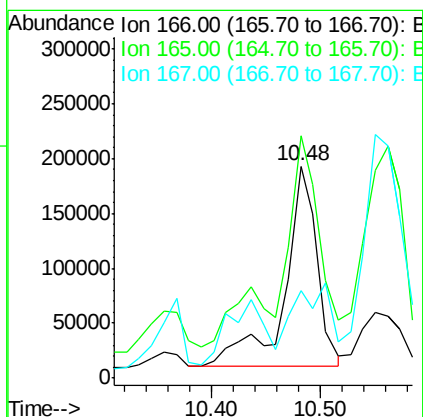
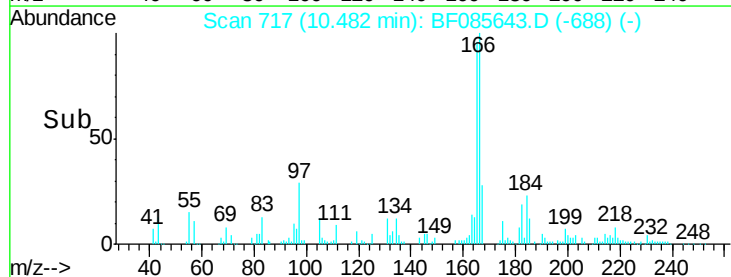
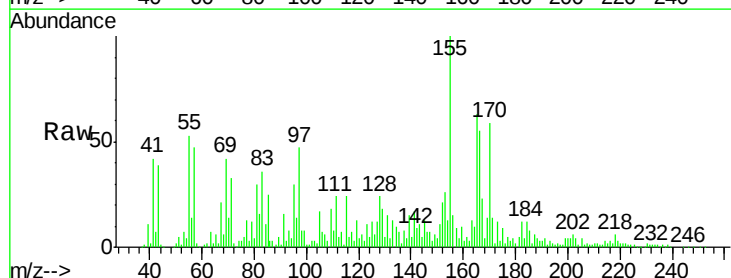
Tgt Ion:166 Resp: 379706

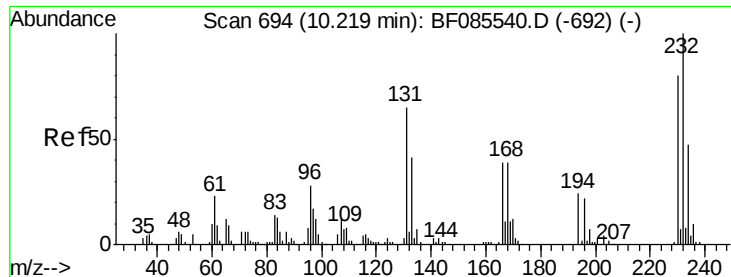
Ion Ratio Lower Upper

166 100

165 114.3 79.4 119.0

167 41.2 11.0 16.4#

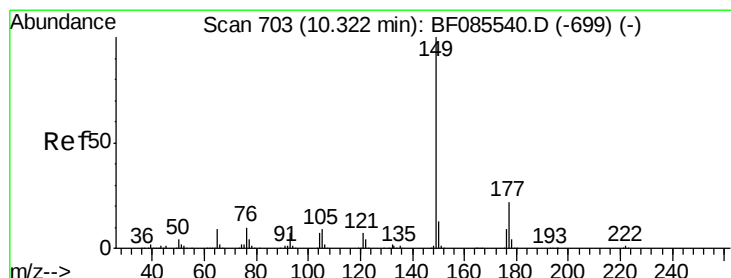
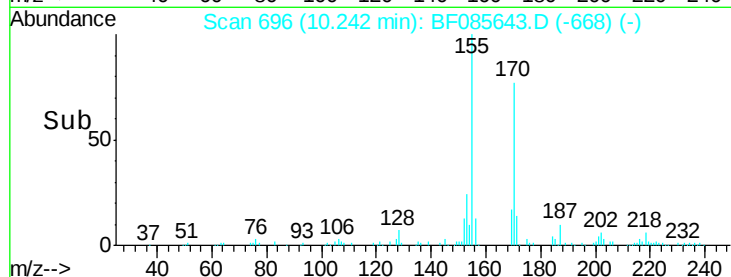
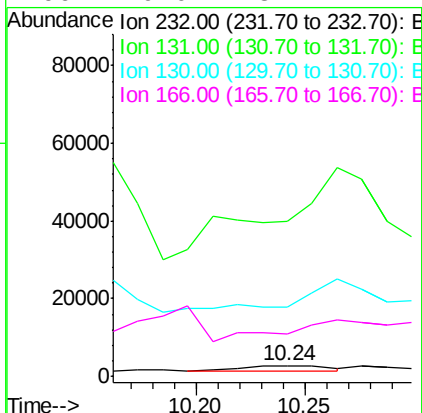
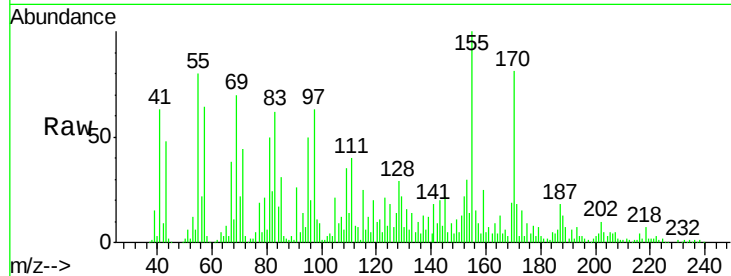




#58
2,3,4,6-Tetrachlorophenol
Concen: 3.86 ng
RT: 10.24 min Scan# 696
Delta R.T. 0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

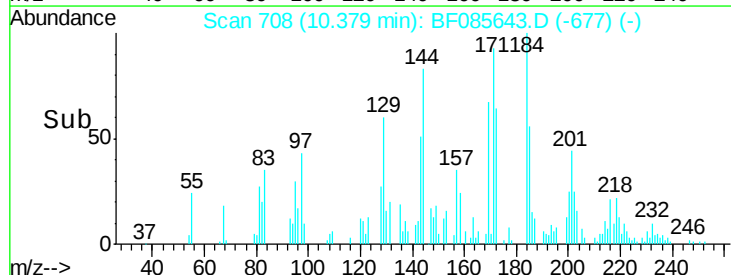
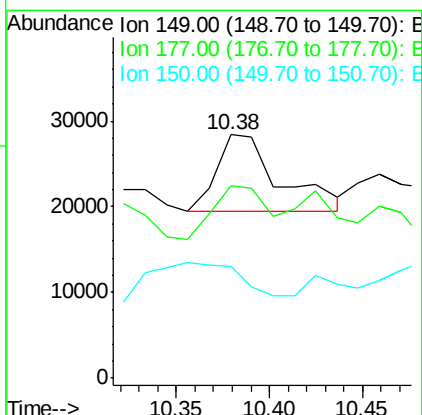
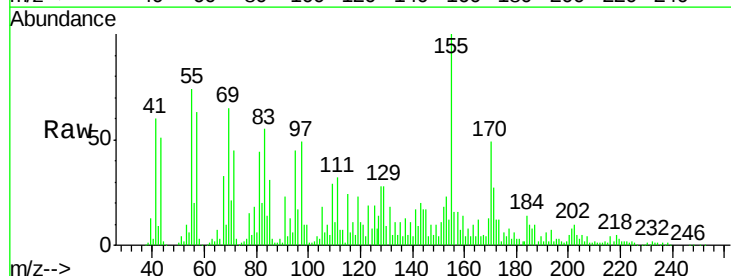
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

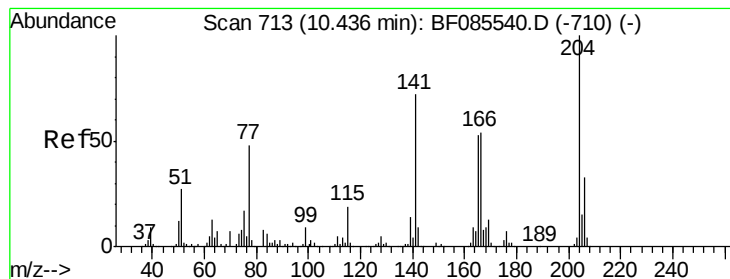
Tgt Ion: 232 Resp: 4177
Ion Ratio Lower Upper
232 100
131 0.0 44.9 67.3#
130 0.0 2.3 3.5#
166 0.0 28.1 42.1#



#59
Diethylphthalate
Concen: 3.98 ng
RT: 10.38 min Scan# 708
Delta R.T. 0.06 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion: 149 Resp: 21196
Ion Ratio Lower Upper
149 100
177 79.2 17.9 26.9#
150 46.0 10.2 15.2#





#60

4-Chlorophenyl-phenylether

Concen: 10.73 ng

RT: 10.42 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

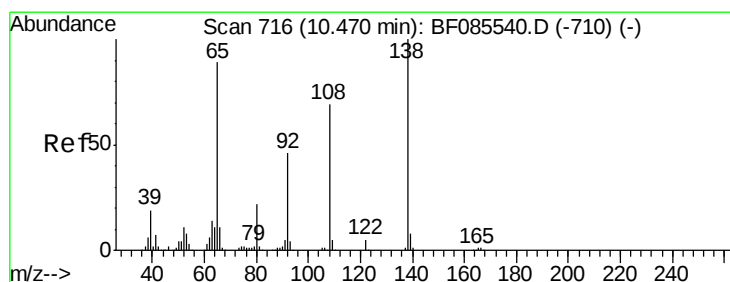
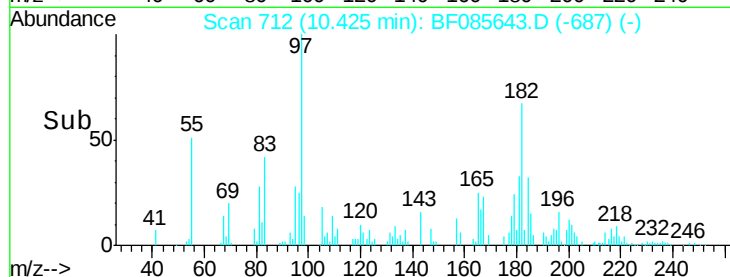
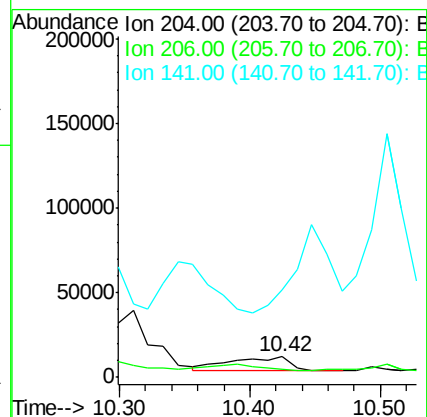
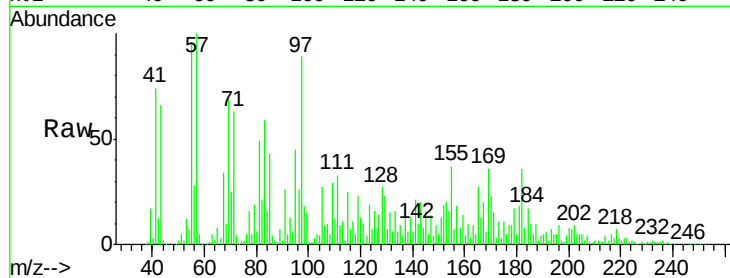
Tgt Ion:204 Resp: 24163

Ion Ratio Lower Upper

204 100

206 40.4 26.6 39.8#

141 424.4 57.4 86.0#



#61

4-Nitroaniline

Concen: 31.82 ng

RT: 10.40 min Scan# 710

Delta R.T. -0.07 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

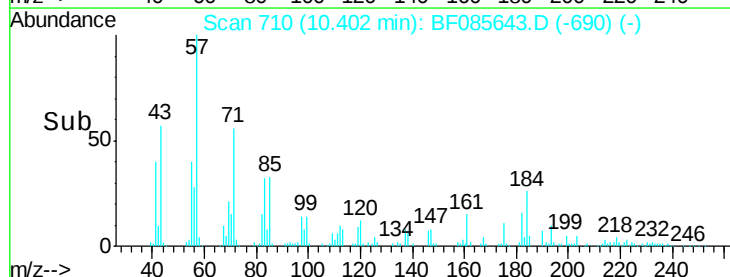
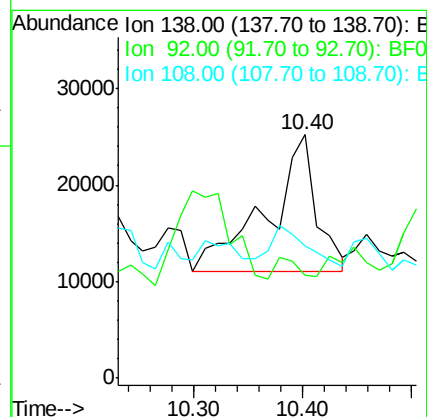
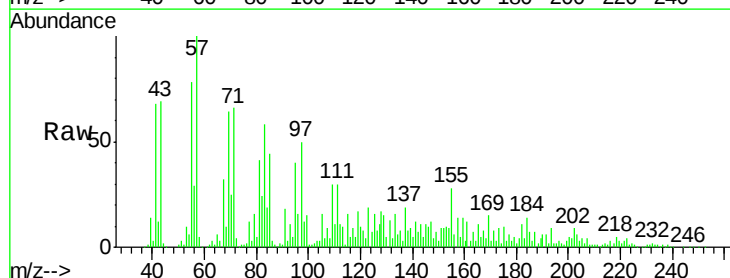
Tgt Ion:138 Resp: 44458

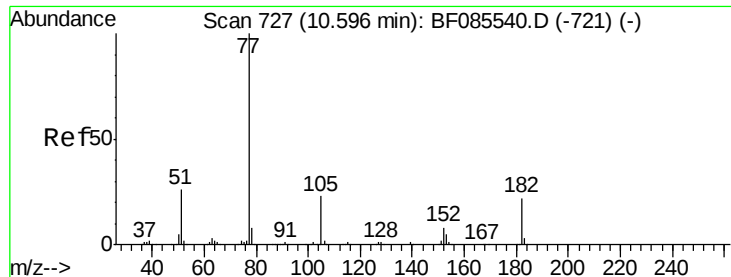
Ion Ratio Lower Upper

138 100

92 42.0 26.4 66.4

108 54.5 49.0 89.0





#62

Azobenzene

Concen: 10.67 ng

RT: 10.63 min Scan# 730

Delta R.T. 0.03 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

Tgt Ion: 77 Resp: 54583

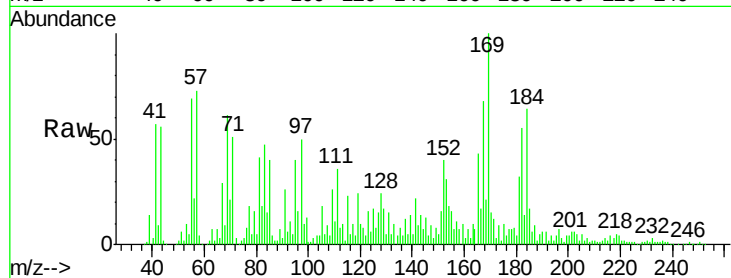
Ion Ratio Lower Upper

77 100

182 310.8 1.9 41.9#

105 100.0 3.5 43.5#

51 33.8 6.3 46.3



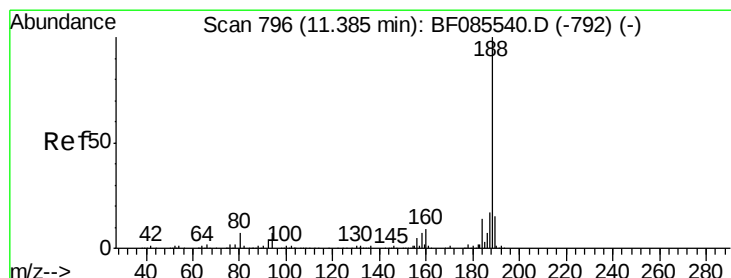
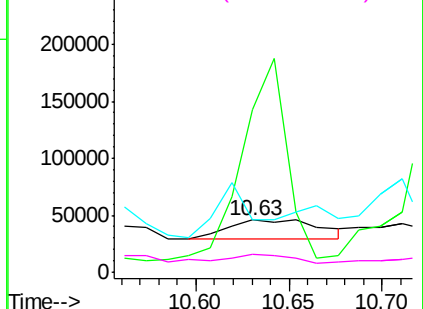
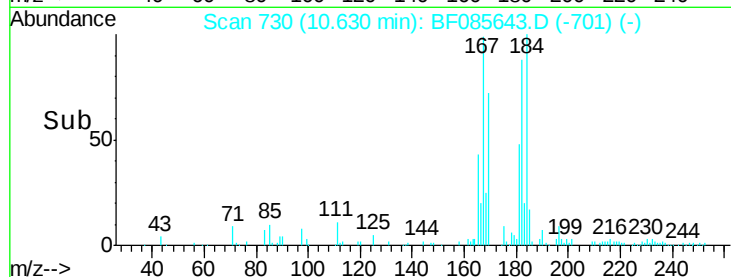
Abundance

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: 11.41 min Scan# 798

Delta R.T. 0.02 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

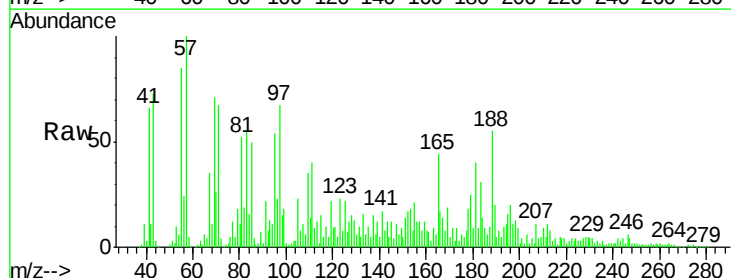
Tgt Ion: 188 Resp: 136063

Ion Ratio Lower Upper

188 100

94 19.8 5.4 8.0#

80 19.9 5.5 8.3#

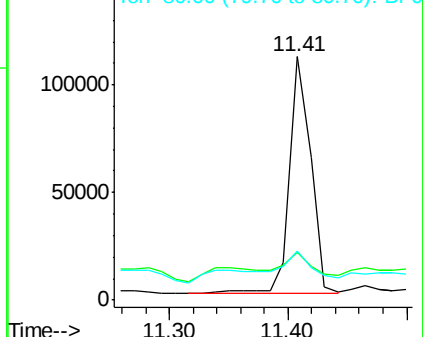
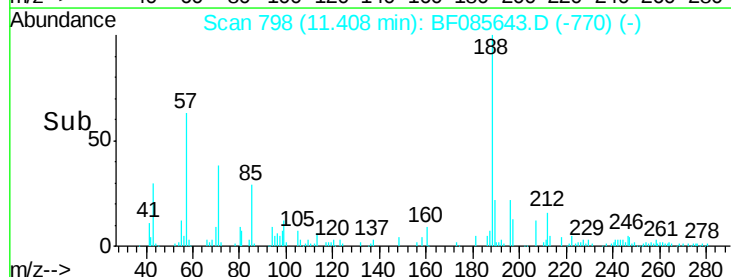


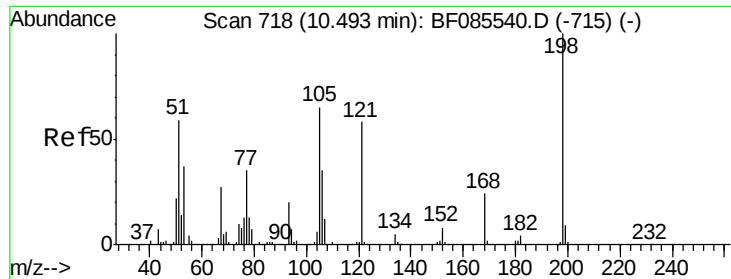
Abundance

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

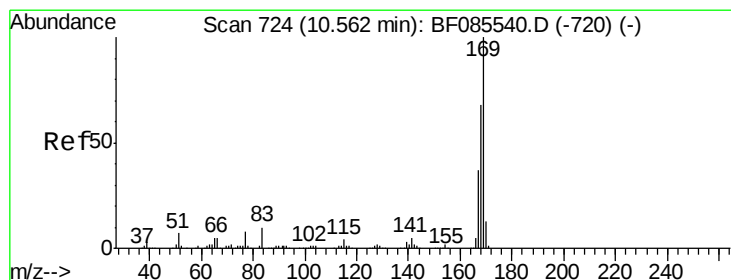
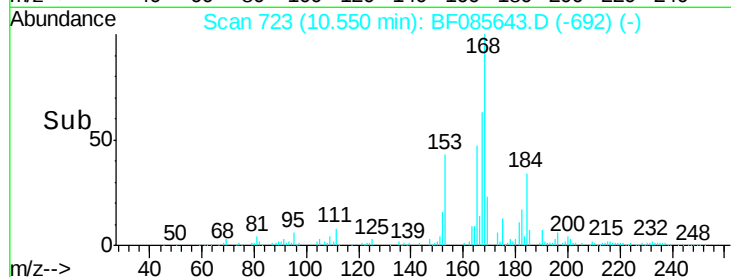
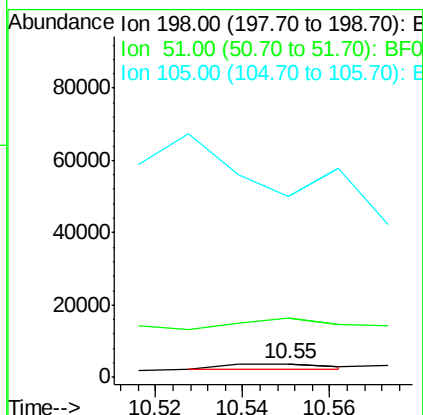
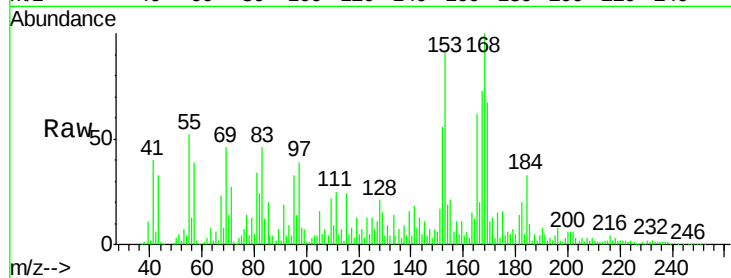




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.80 ng
 RT: 10.55 min Scan# 723
 Delta R.T. 0.06 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

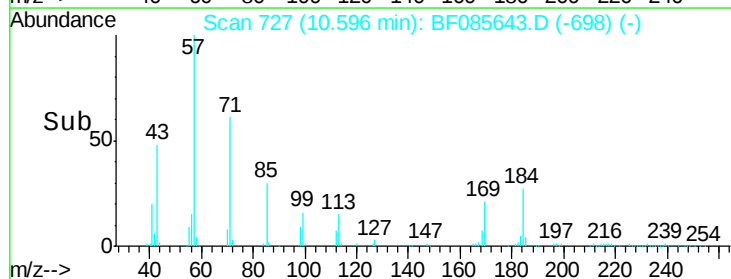
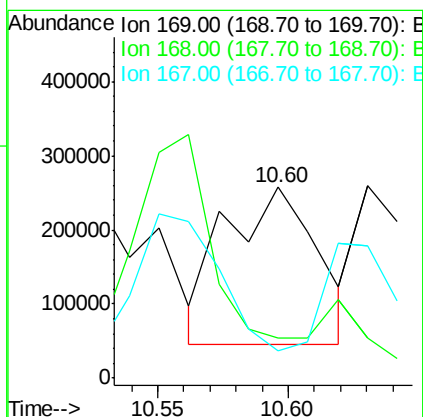
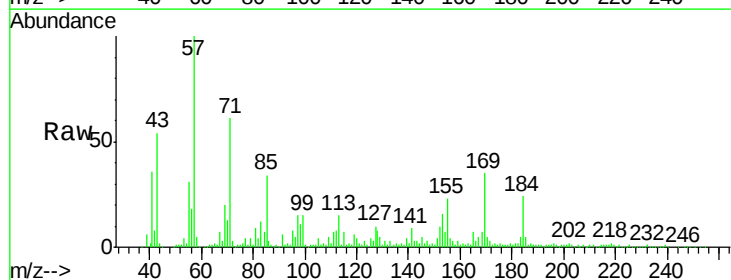
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

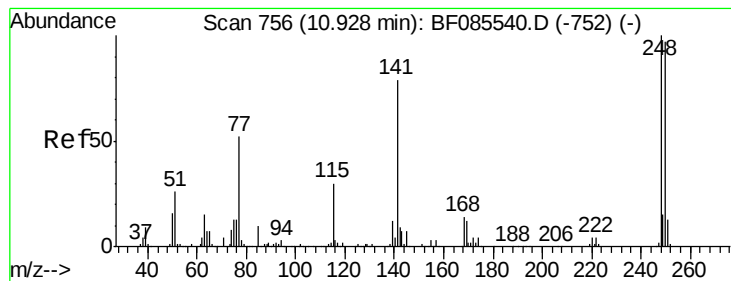
Tgt Ion:198 Resp: 2436
 Ion Ratio Lower Upper
 198 100
 51 428.5 45.4 85.4#
 105 1316.2 45.9 85.9#



#65
 n-Nitrosodiphenylamine
 Concen: 123.47 ng
 RT: 10.60 min Scan# 727
 Delta R.T. 0.03 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion:169 Resp: 523287
 Ion Ratio Lower Upper
 169 100
 168 21.0 54.4 81.6#
 167 14.1 29.4 44.0#





#66

4-Bromophenyl-phenylether

Concen: 2.12 ng

RT: 10.97 min Scan# 760

Delta R.T. 0.05 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

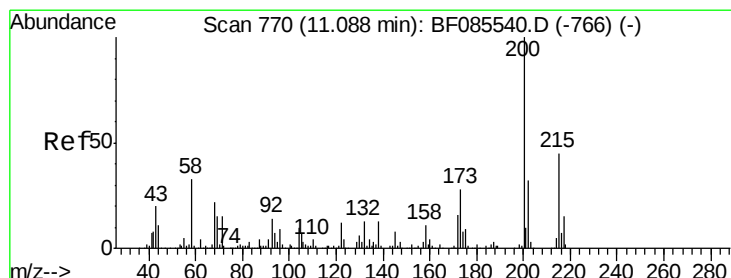
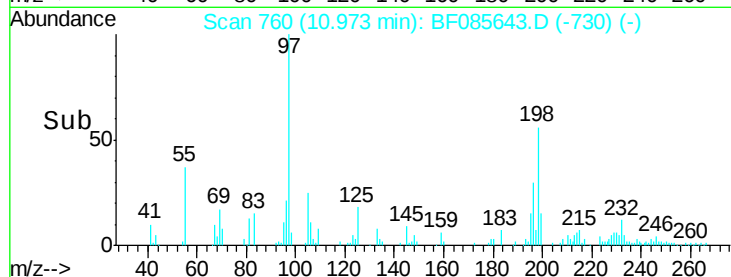
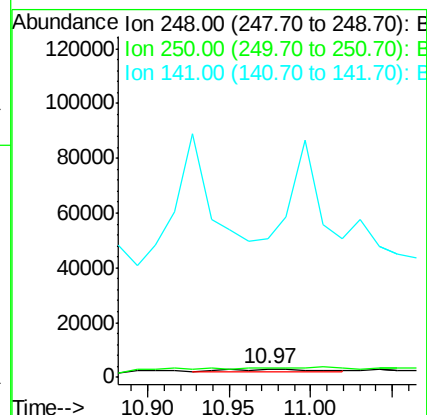
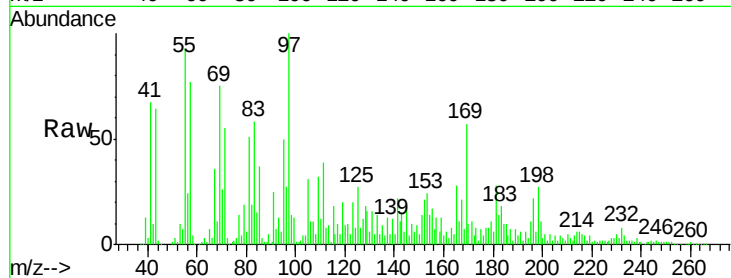
Tgt Ion:248 Resp: 2877

Ion Ratio Lower Upper

248 100

250 109.5 77.4 116.0

141 1697.1 63.6 95.4#



#68

Atrazine

Concen: 21.33 ng

RT: 11.14 min Scan# 775

Delta R.T. 0.06 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

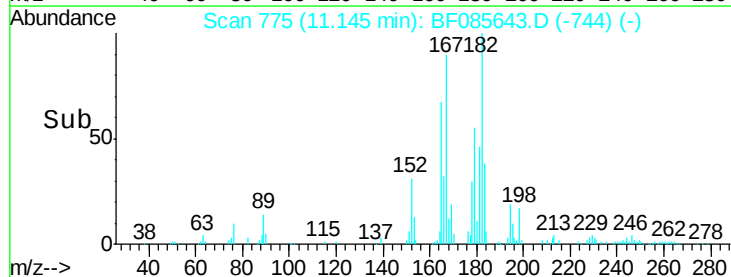
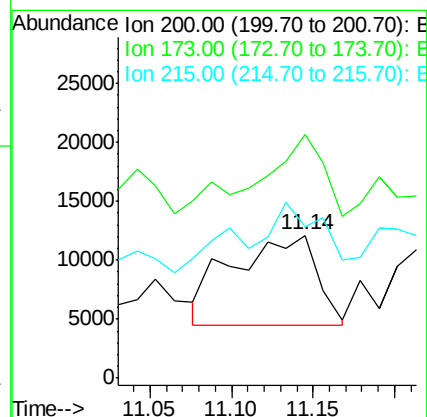
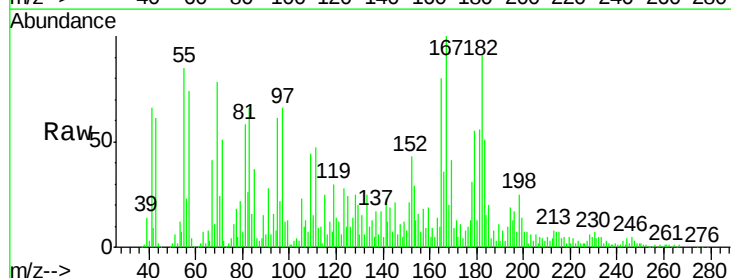
Tgt Ion:200 Resp: 27521

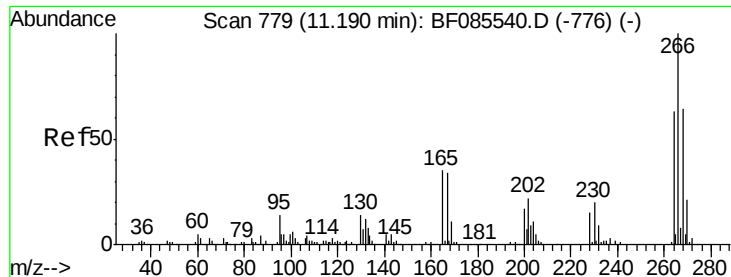
Ion Ratio Lower Upper

200 100

173 170.8 7.7 47.7#

215 106.2 25.4 65.4#

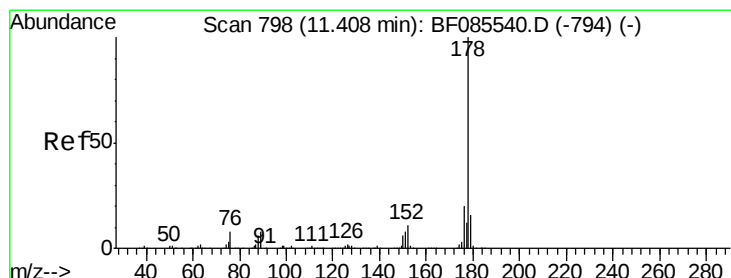
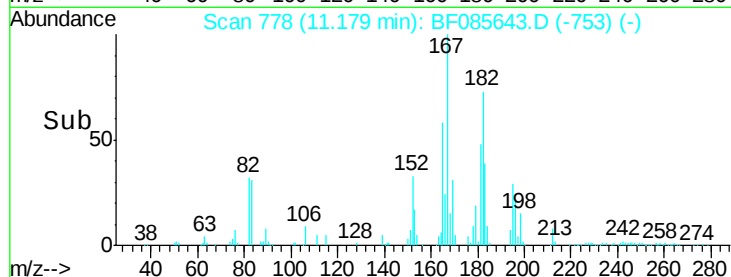
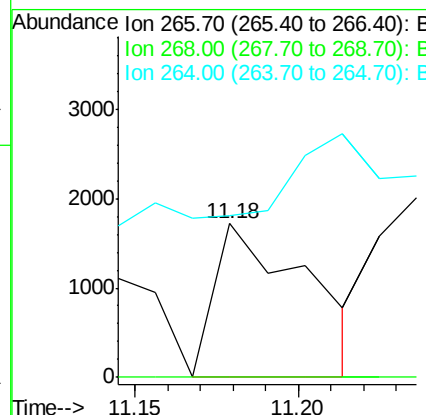
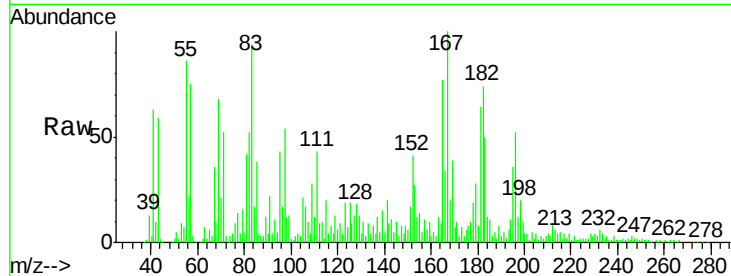




#69
 Pentachlorophenol
 Concen: 3.83 ng
 RT: 11.18 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

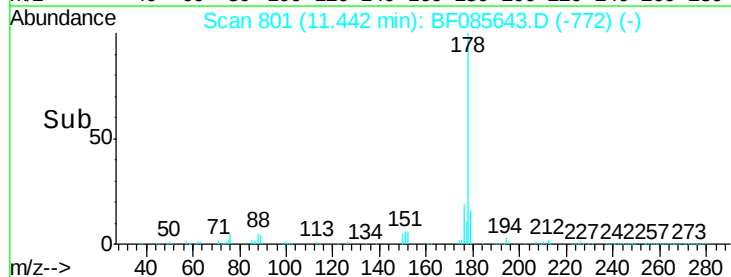
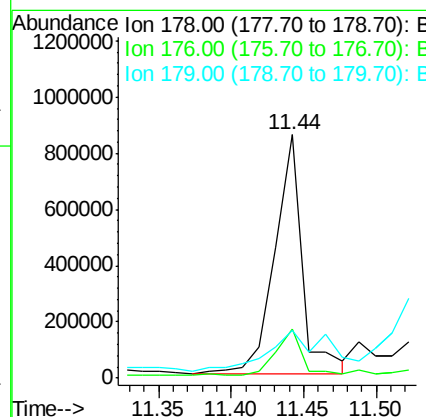
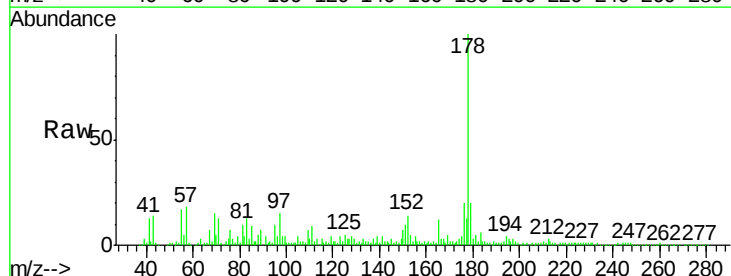
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

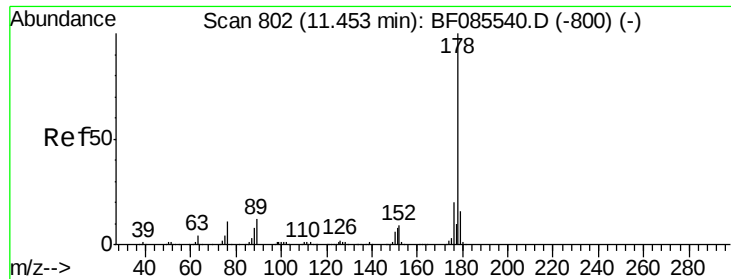
Tgt Ion:266 Resp: 3362
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.5 77.3#
 264 105.1 50.6 76.0#



#70
 Phenanthrene
 Concen: 156.56 ng
 RT: 11.44 min Scan# 801
 Delta R.T. 0.03 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion:178 Resp: 1123242
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.3 24.5
 179 19.9 12.6 18.8#

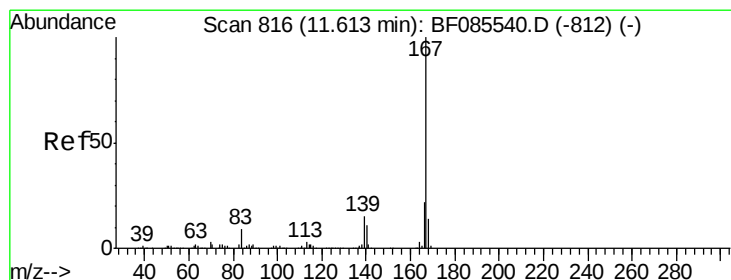
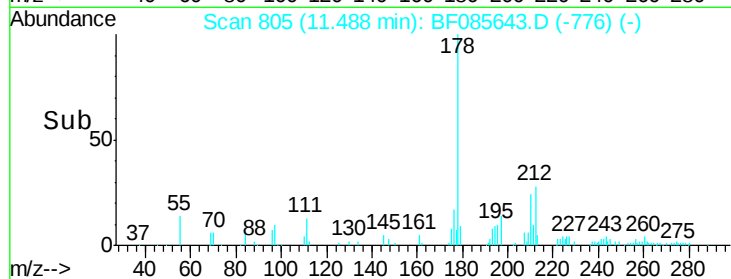
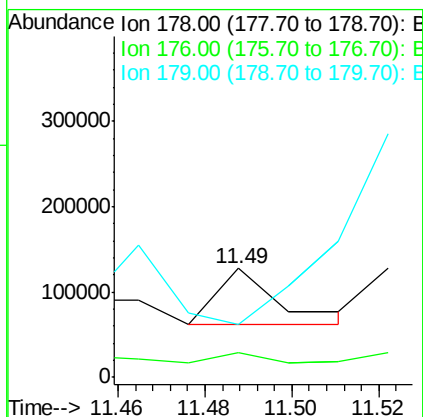
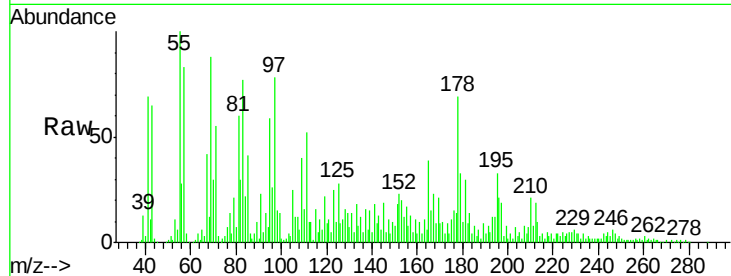




#71
 Anthracene
 Concen: 8.88 ng
 RT: 11.49 min Scan# 805
 Delta R.T. 0.03 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

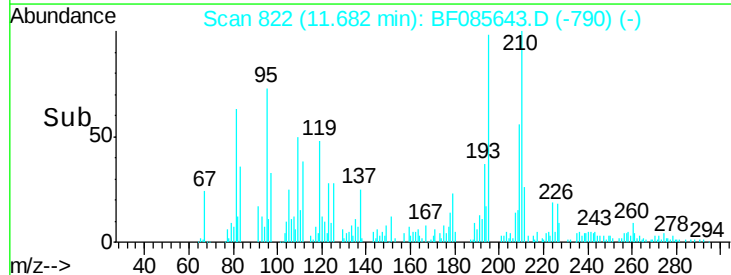
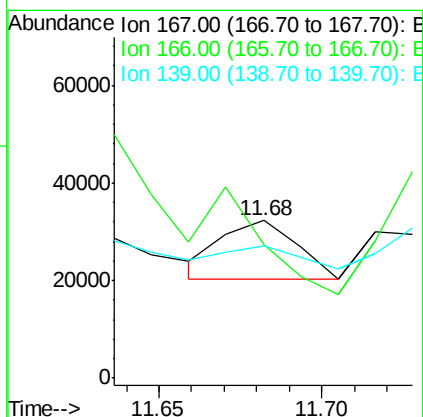
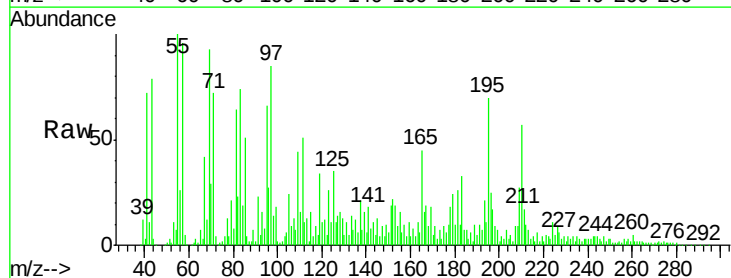
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

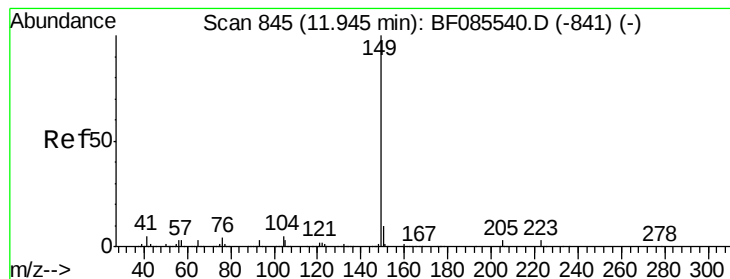
Tgt Ion:178 Resp: 66800
 Ion Ratio Lower Upper
 178 100
 176 22.2 15.9 23.9
 179 48.2 13.0 19.4#



#72
 Carbazole
 Concen: 2.91 ng
 RT: 11.68 min Scan# 822
 Delta R.T. 0.07 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion:167 Resp: 18910
 Ion Ratio Lower Upper
 167 100
 166 84.6 17.8 26.8#
 139 84.0 11.6 17.4#





#73

Di-n-butylphthalate

Concen: 2.80 ng

RT: 11.94 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

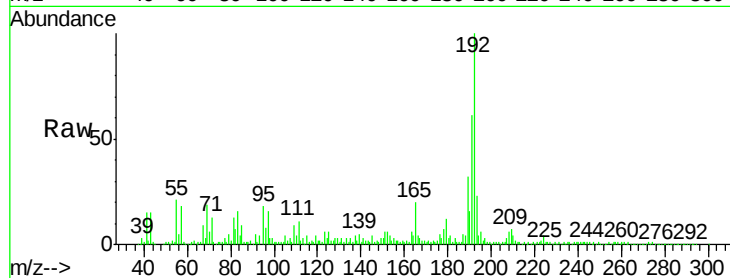
Tgt Ion:149 Resp: 22774

Ion Ratio Lower Upper

149 100

150 98.9 7.6 11.4#

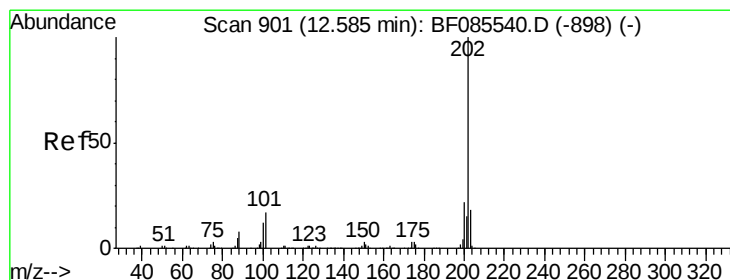
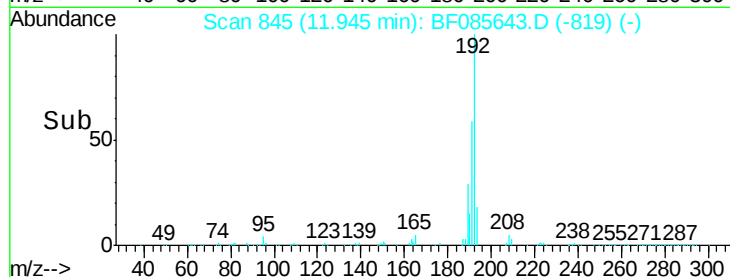
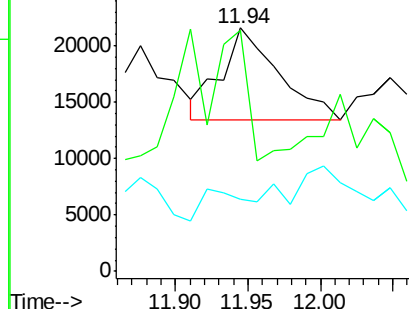
104 29.8 3.8 5.8#



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



#74

Fluoranthene

Concen: 25.32 ng

RT: 12.60 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

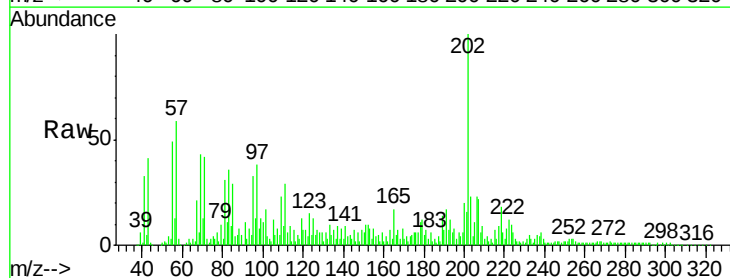
Tgt Ion:202 Resp: 190207

Ion Ratio Lower Upper

202 100

101 17.3 0.0 36.6

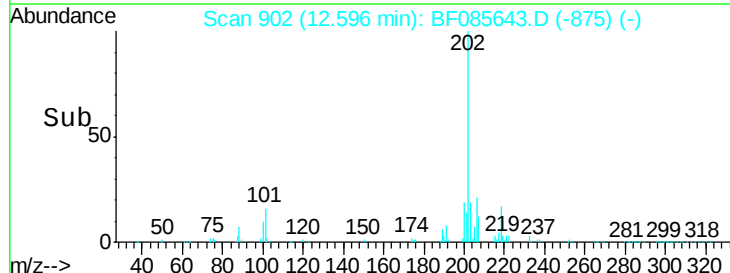
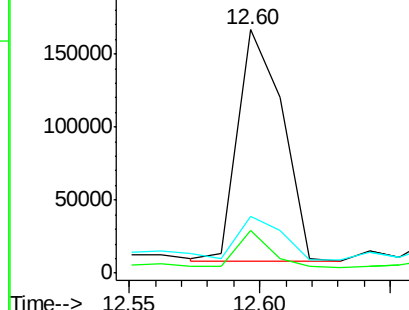
203 23.4 0.0 38.1

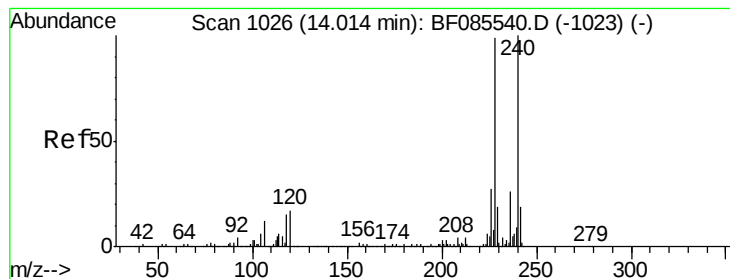


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0

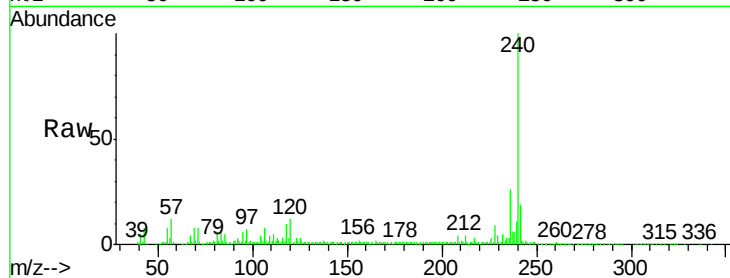
Tgt Ion:240 Resp: 216926

Ion Ratio Lower Upper

240 100

120 12.4 13.8 20.8#

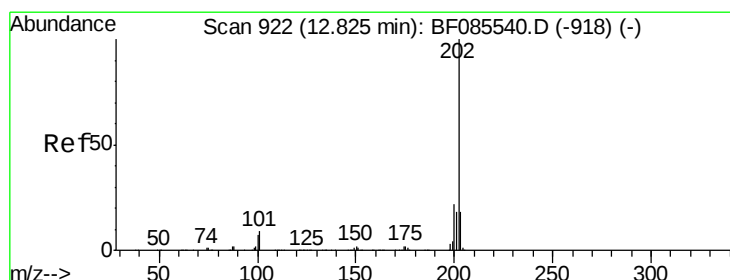
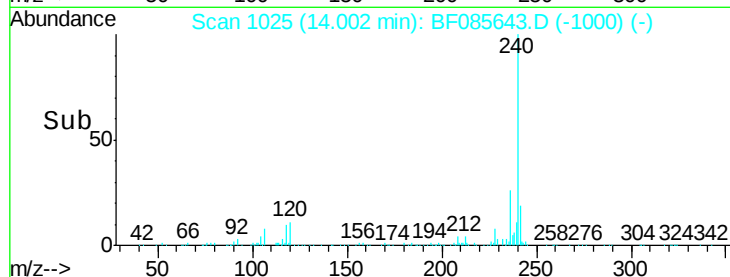
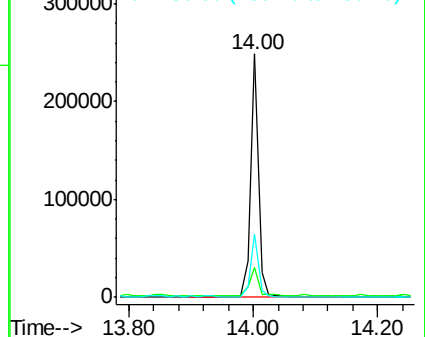
236 26.0 20.6 30.8



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: 20.95 ng

RT: 12.82 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF085643.D

Acq: 22 Mar 2016 3:26

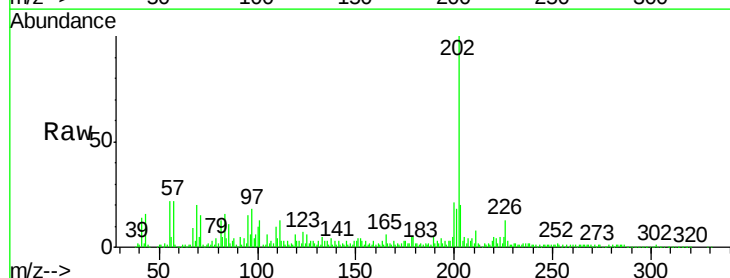
Tgt Ion:202 Resp: 326264

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

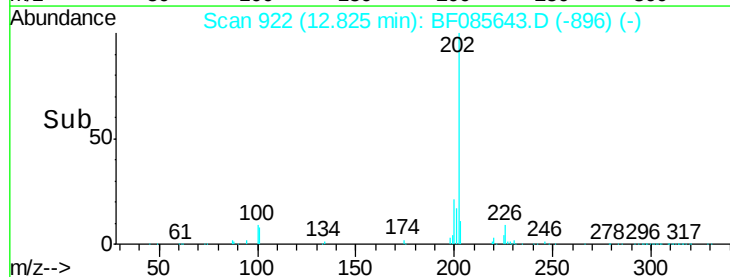
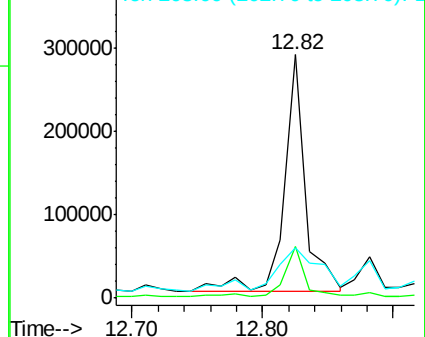
203 20.5 14.0 21.0

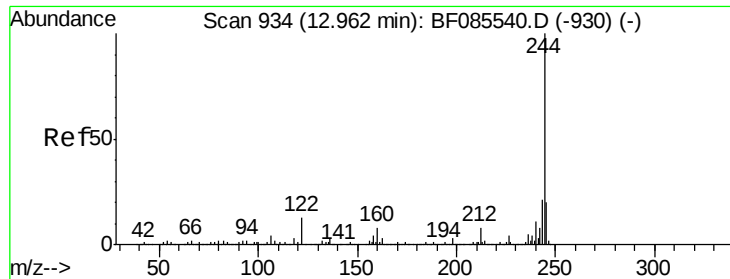


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

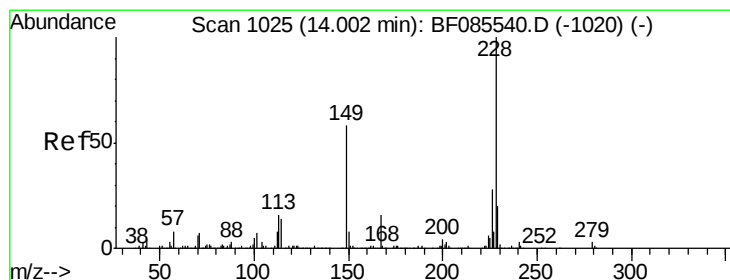
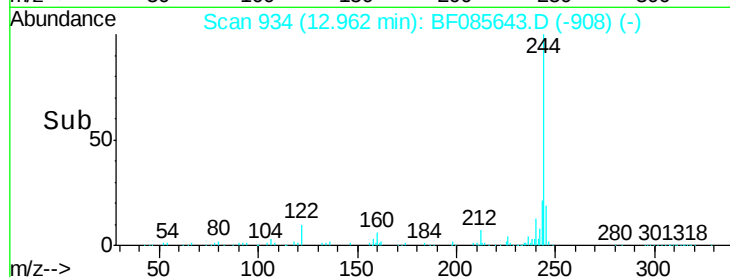
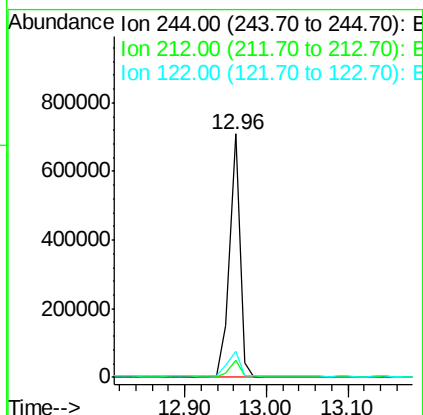
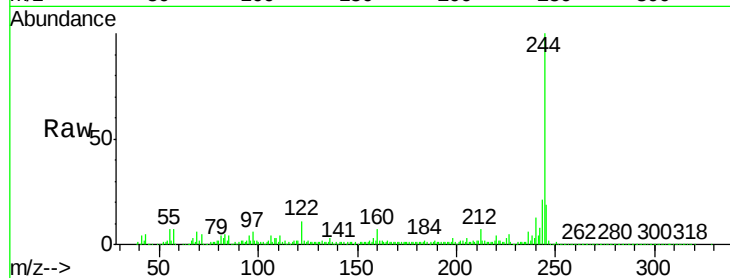




#78
 Terphenyl-d14
 Concen: 69.33 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

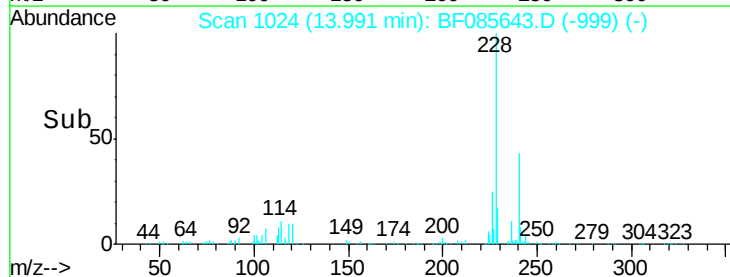
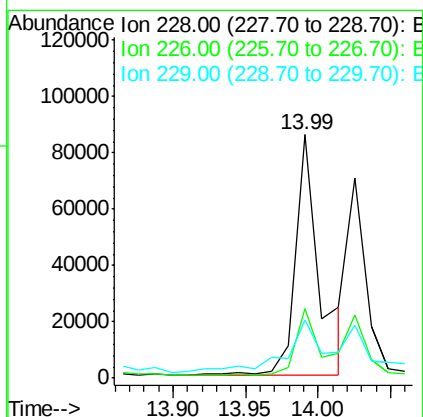
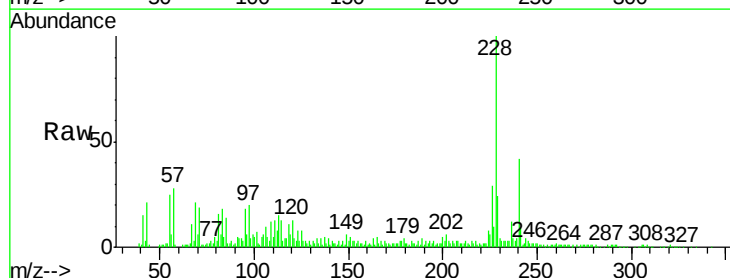
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-13-17.5-18.0

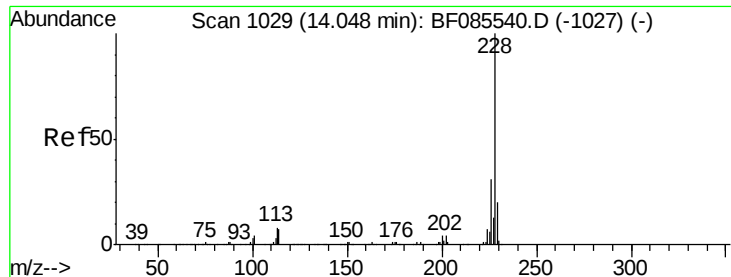
Tgt Ion:244 Resp: 624988
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 10.6 10.2 15.4



#80
 Benzo(a)anthracene
 Concen: 7.74 ng
 RT: 13.99 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF085643.D
 Acq: 22 Mar 2016 3:26

Tgt Ion:228 Resp: 97431
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 23.8 16.2 24.4

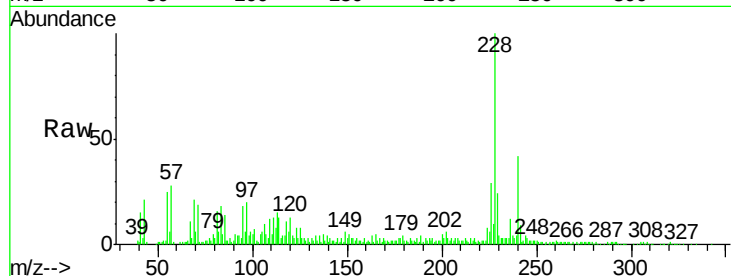




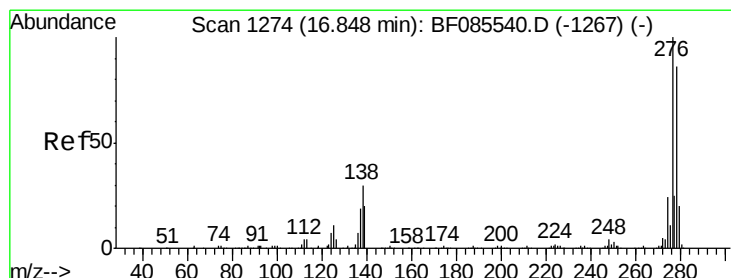
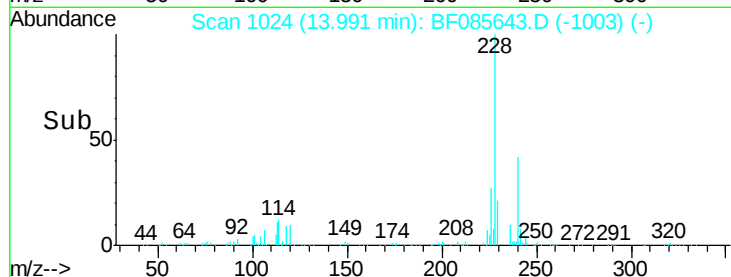
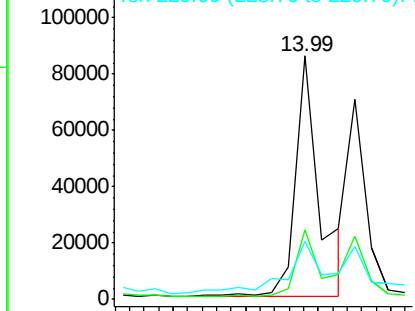
#82
Chrysene
Concen: 8.04 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.06 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Tgt Ion: 228 Resp: 97431
Ion Ratio Lower Upper
228 100
226 28.7 25.0 37.6
229 23.8 15.7 23.5#

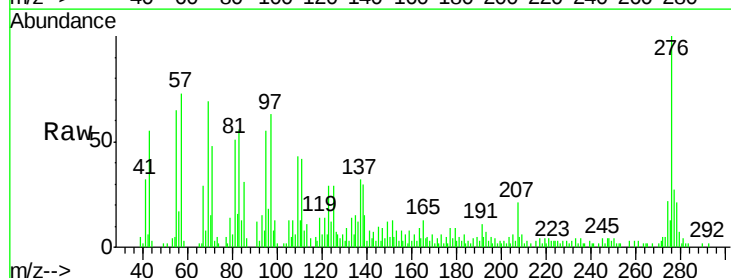


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

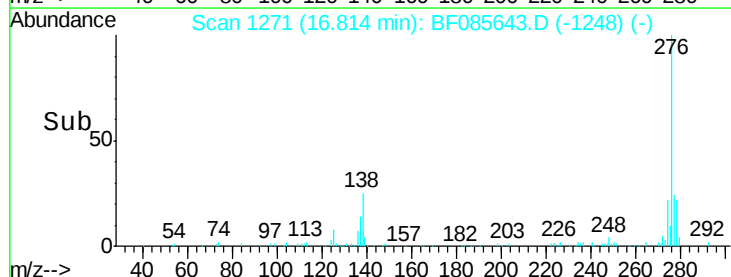
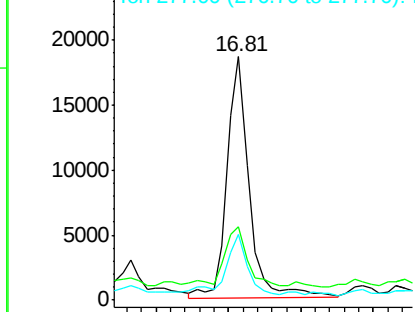


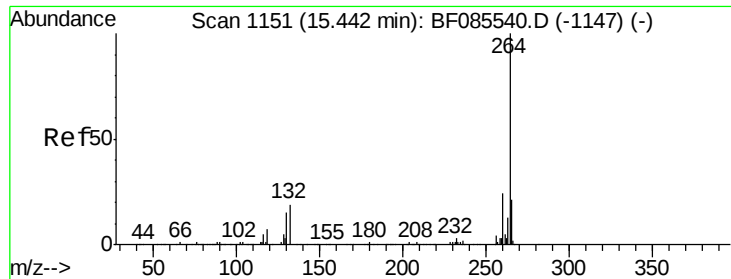
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.90 ng
RT: 16.81 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion: 276 Resp: 39530
Ion Ratio Lower Upper
276 100
138 26.5 24.2 36.4
277 23.6 20.0 30.0



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



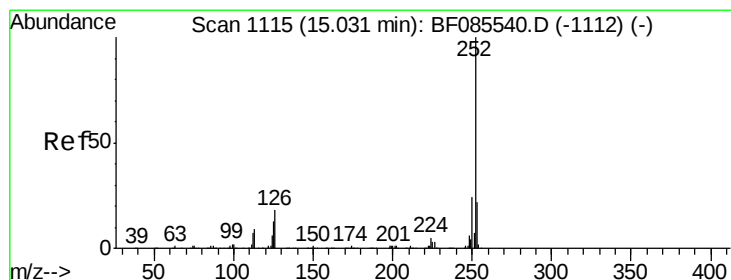
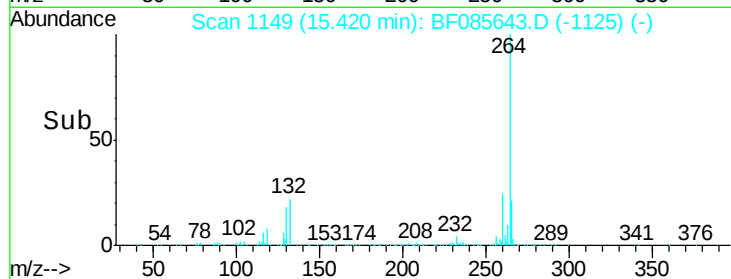
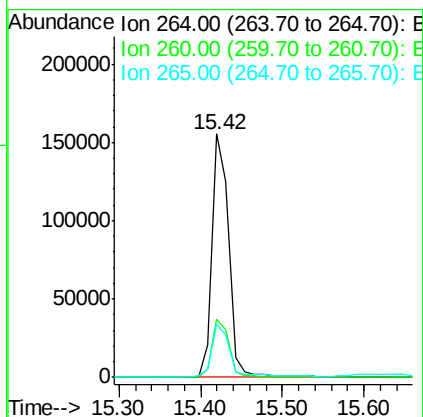
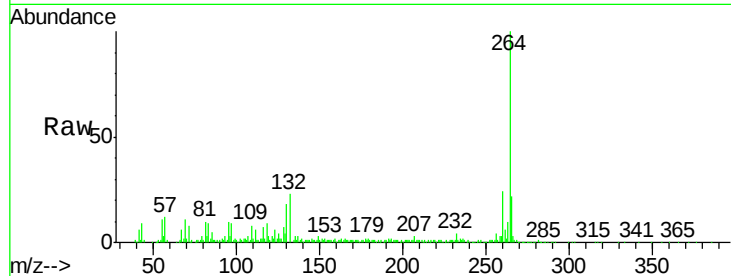


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

Tgt Ion: 264 Resp: 220666

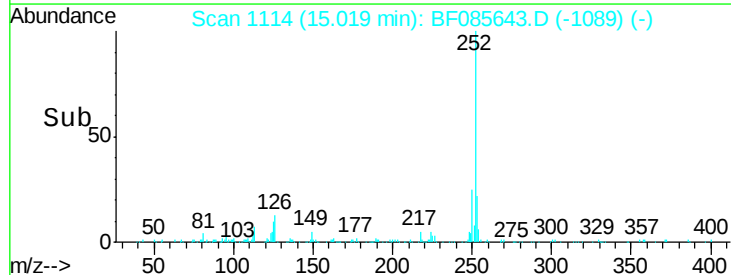
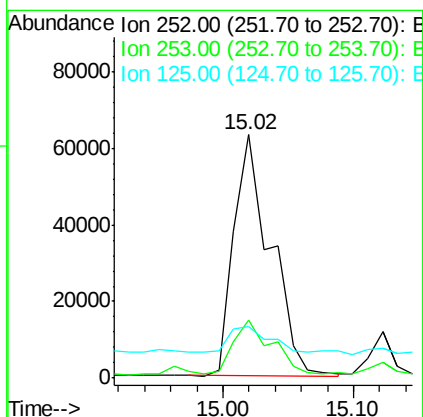
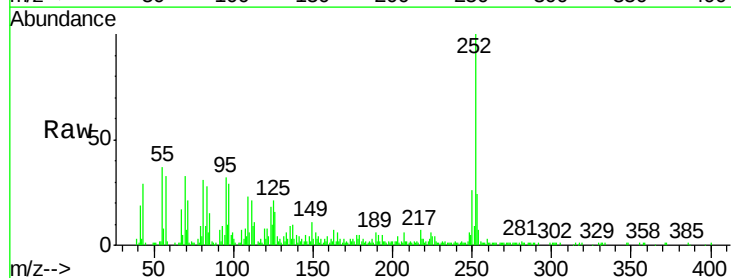
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.5	17.2	25.8

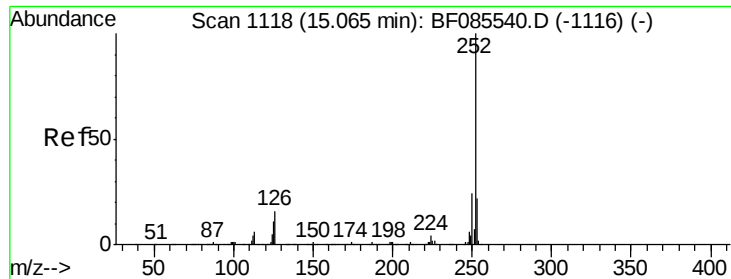


#87
Benzo(b)fluoranthene
Concen: 8.55 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion: 252 Resp: 123055

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	21.4	10.3	15.5#

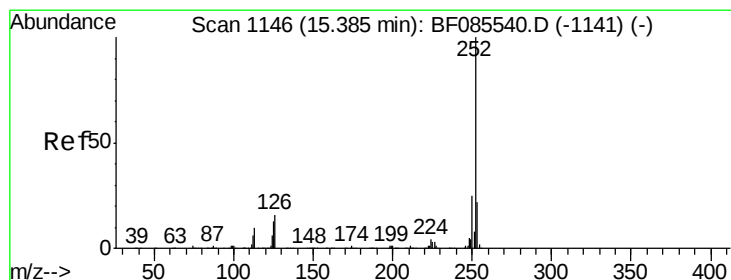
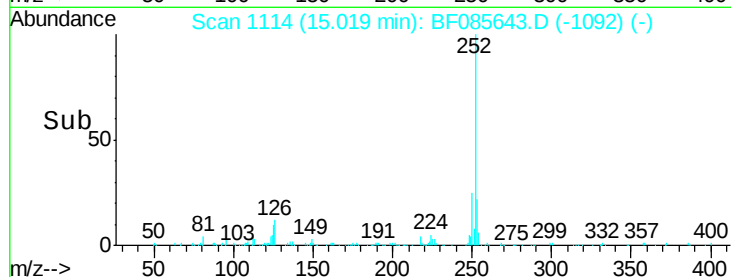
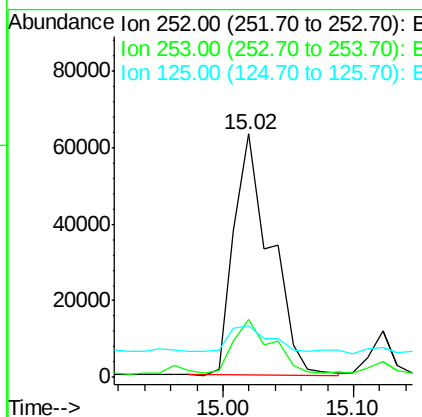
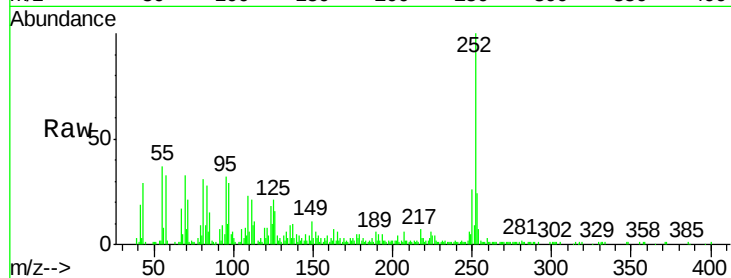




#88
Benzo(k)fluoranthene
Concen: 10.37 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.05 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

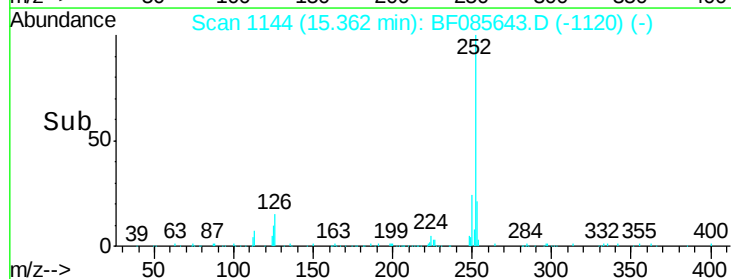
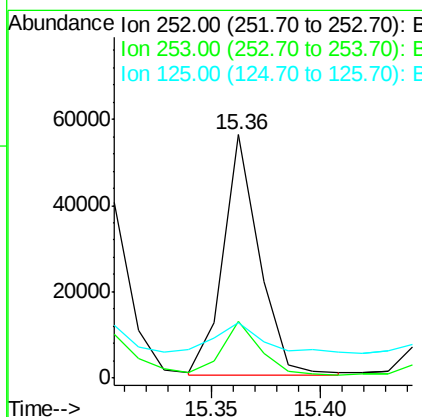
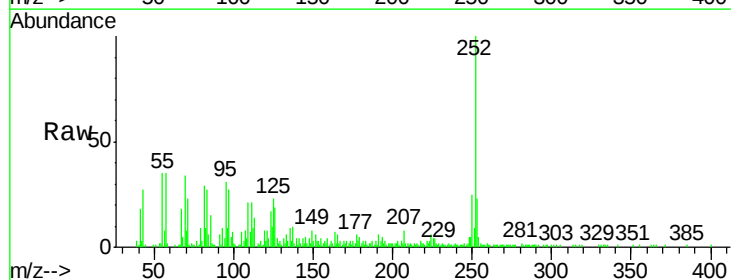
Instrument :
BNA_F
ClientSampleId :
PJ-SB-13-17.5-18.0

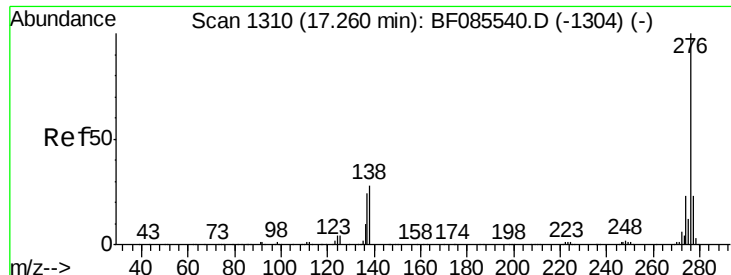
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	21.4	7.7	11.5



#89
Benzo(a)pyrene
Concen: 5.23 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085643.D
Acq: 22 Mar 2016 3:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	22.8	10.3	15.5





#91

Benzo(g,h,i)perylene

Concen: 3.58 ng

RT: 17.23 min Scan# 1307

Delta R.T. -0.03 min

Lab File: BF085643.D

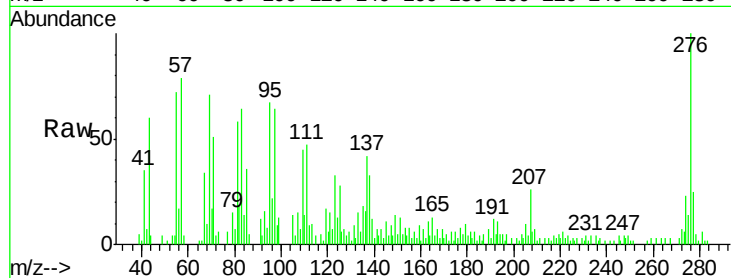
Acq: 22 Mar 2016 3:26

Instrument :

BNA_F

ClientSampleId :

PJ-SB-13-17.5-18.0



Tgt Ion: 276 Resp: 35257

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 32.7 22.6 34.0

