

Data Path : Z:\HPCHEM1\BNA F\Data\BF110415\
 Data File : BF082690.D
 Acq On : 4 Nov 2015 8:13
 Operator : UM/IZ
 Sample : G4241-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-117(3)

Quant Time: Nov 04 11:10:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	158605	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	526520	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	222668	20.00	ng	0.01
63) Phenanthrene-d10	11.44	188	338052	20.00	ng	0.02
75) Chrysene-d12	14.09	240	387086	20.00	ng	0.03
86) Perylene-d12	15.54	264	323870	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1267535	120.37	ng	0.01
7) Phenol-d6	6.51	99	1834177	131.11	ng	0.00
23) Nitrobenzene-d5	7.45	82	1250539	96.99	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	284982	116.95	ng	0.02
44) 2-Fluorobiphenyl	9.25	172	1245800	79.44	ng	0.00
78) Terphenyl-d14	13.03	244	991086	56.03	ng	0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.44	77	37136	3.89	ng	# 1
15) Benzyl Alcohol	7.05	79	41769	3.20	ng	# 52
18) Hexachloroethane	7.39	117	31482	6.26	ng	# 1
19) n-Nitroso-di-n-propylamine	7.32	70	33682	3.18	ng	# 59
22) Acetophenone	7.29	105	85089	5.49	ng	# 29
24) Nitrobenzene	7.42	77	63917	4.90	ng	# 54
25) Isophorone	7.70	82	78517	3.31	ng	# 1
26) 2-Nitrophenol	7.80	139	9760	2.05	ng	# 1
31) Naphthalene	8.19	128	820411	28.80	ng	# 99
33) 4-Chloroaniline	8.19	127	130589	10.74	ng	# 42
35) Caprolactam	8.61	113	96616	37.17	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	27524	2.76	ng	# 67
37) 2-Methylnaphthalene	8.89	142	419226	22.70	ng	# 100
43) 2,4,5-Trichlorophenol	9.23	196	11347	2.12	ng	# 1
45) 1,1'-Biphenyl	9.36	154	105243	5.60	ng	# 94
47) 2-Nitroaniline	9.46	65	18997	3.33	ng	# 65
48) Acenaphthylene	9.80	152	372416	15.85	ng	# 86
49) Dimethylphthalate	9.65	163	318759	17.53	ng	# 92
50) 2,6-Dinitrotoluene	9.72	165	18739	4.97	ng	# 61
51) Acenaphthene	9.97	154	555561	37.25	ng	# 96
52) 3-Nitroaniline	9.87	138	11801	2.81	ng	# 15
53) 2,4-Dinitrophenol	10.01	184	6433	9.63	ng	# 1
54) Dibenzofuran	10.14	168	165193	8.16	ng	# 32
55) 4-Nitrophenol	10.05	139	41194	13.06	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	27344	5.36	ng	# 43
57) Fluorene	10.50	166	670199	41.06	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.50	198	10990	5.39	ng	# 1
65) n-Nitrosodiphenylamine	10.61	169	333238	28.68	ng	# 78
70) Phenanthrene	11.47	178	2228511	116.88	ng	# 97
71) Anthracene	11.47	178	2228511	116.08	ng	# 97
72) Carbazole	11.66	167	75677	4.53	ng	# 20
73) Di-n-butylphthalate	11.97	149	47574	2.23	ng	# 1
74) Fluoranthene	12.68	202	972047	49.87	ng	# 92
77) Pyrene	12.90	202	1842741	64.29	ng	# 96

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 TP-117(3)

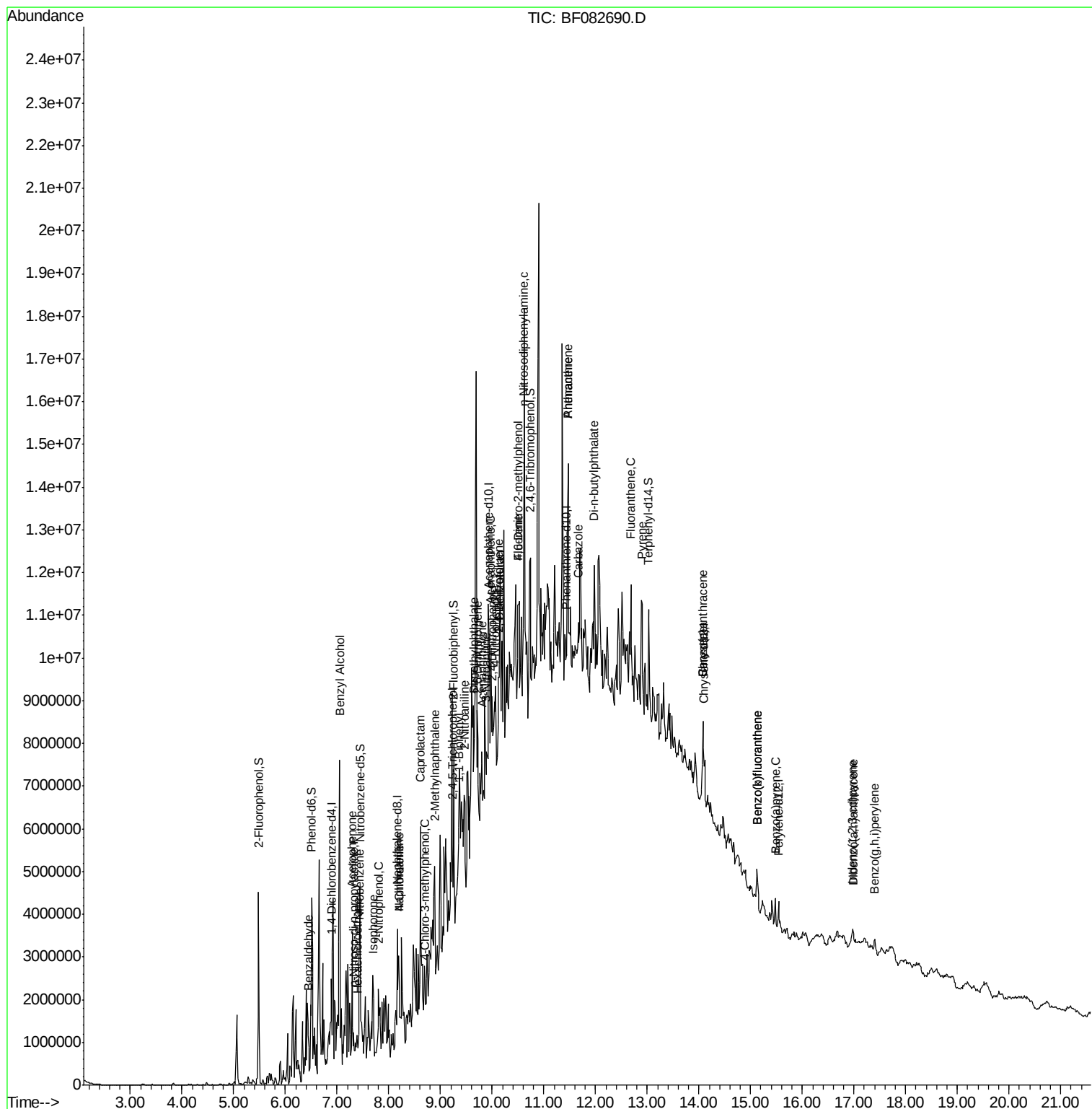
Quant Time: Nov 04 11:10:06 2015
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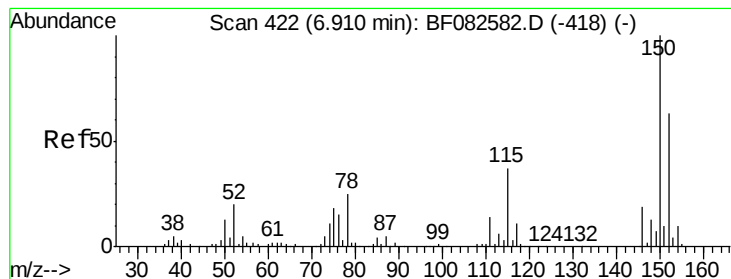
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	14.08	228	1095095	44.54	nq	# 50
82) Chrysene	14.08	228	1095095	49.14	nq	# 54
85) Indeno(1,2,3-cd)pyrene	16.97	276	192775	10.48	nq	98
87) Benzo(b)fluoranthene	15.13	252	567315	25.40	nq	# 86
88) Benzo(k)fluoranthene	15.13	252	567315	33.34	nq	# 87
89) Benzo(a)pyrene	15.48	252	397701	22.61	nq	# 86
90) Dibenzo(a,h)anthracene	16.98	278	36655	2.23	nq	# 1
91) Benzo(a,h,i)perylene	17.40	276	211544	13.30	nq	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

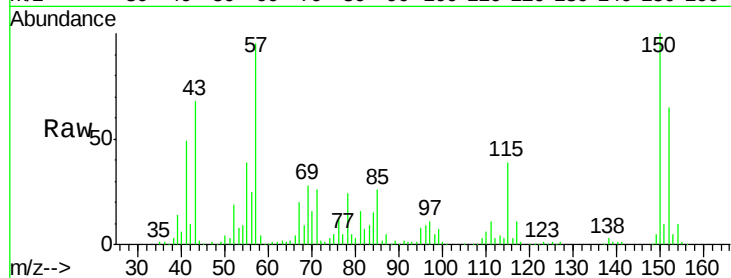
Tot Ion:152 Resp: 158605

Ion Ratio Lower Upper

152 100

150 154.8 127.0 190.4

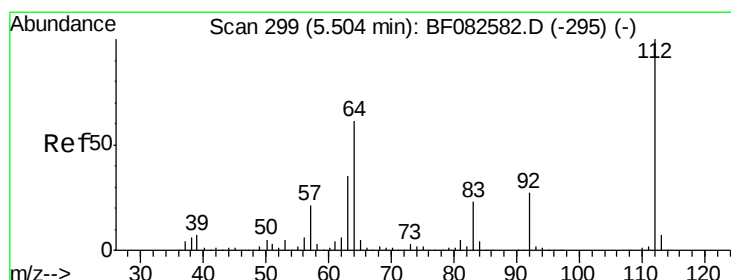
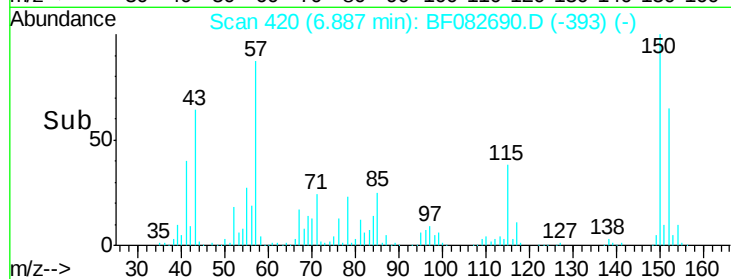
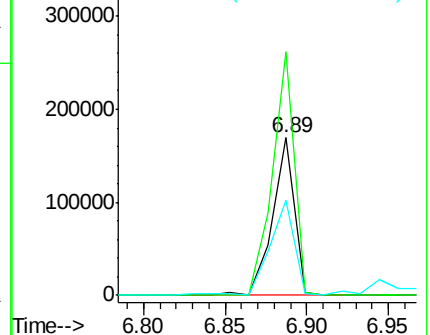
115 60.3 47.0 70.6



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: 120.37 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

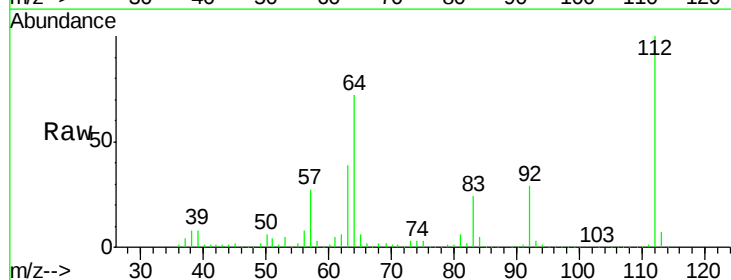
Tgt Ion:112 Resp: 1267535

Ion Ratio Lower Upper

112 100

64 71.9 48.9 73.3

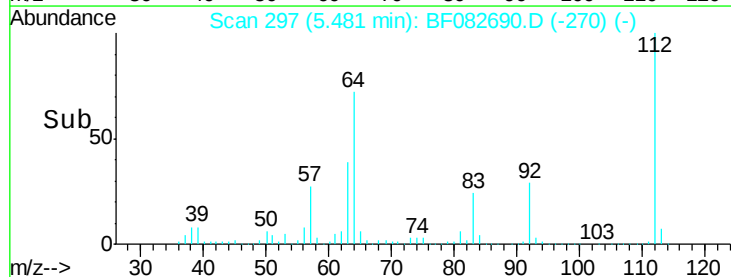
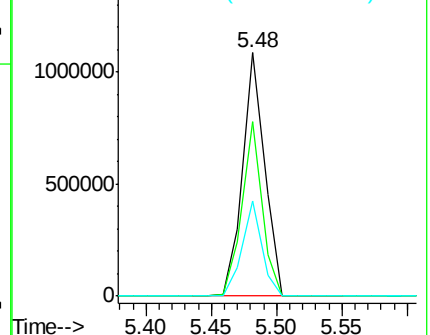
63 39.0 28.1 42.1

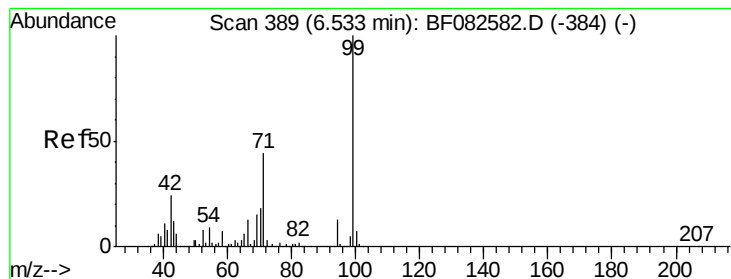


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.11 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

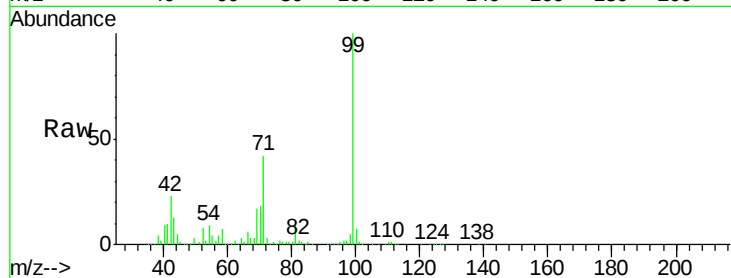
BNA_F

ClientSampleId :

TP-117(3)

Tot Ion: 99 Resp: 1834177

Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.2	28.8
71	42.3	35.0	52.4



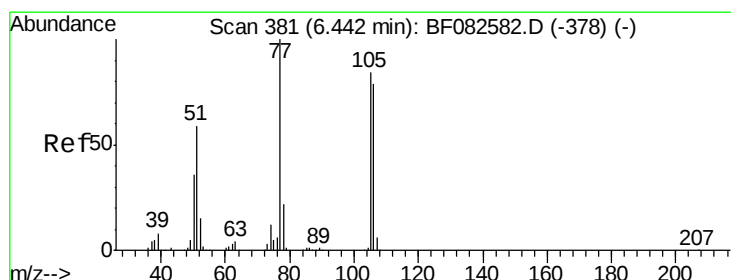
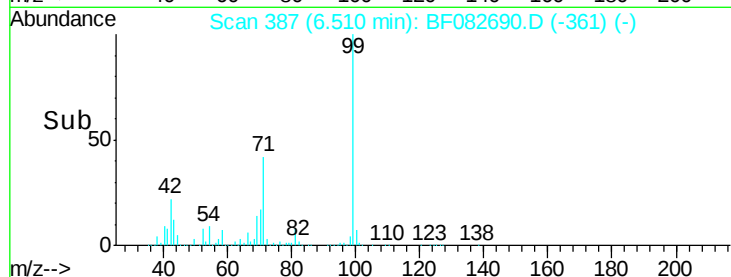
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.51

Time-->



#9

Benzaldehyde

Concen: 3.89 ng

RT: 6.44 min Scan# 381

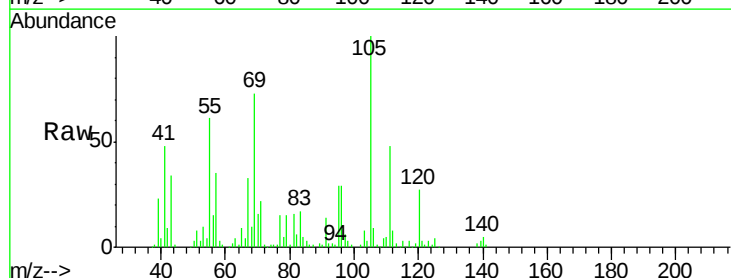
Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Tgt Ion: 77 Resp: 37136

Ion	Ratio	Lower	Upper
77	100		
105	646.9	63.5	103.5#
106	57.5	59.3	99.3#



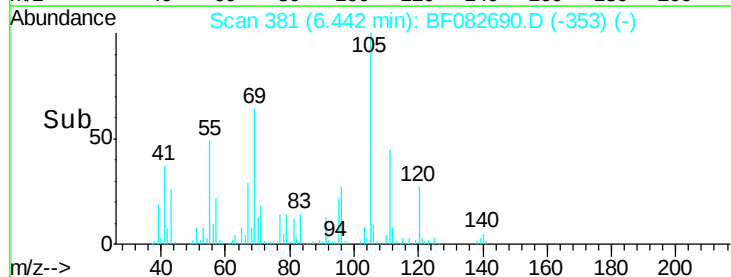
Abundance Ion 77.00 (76.70 to 77.70): BF0

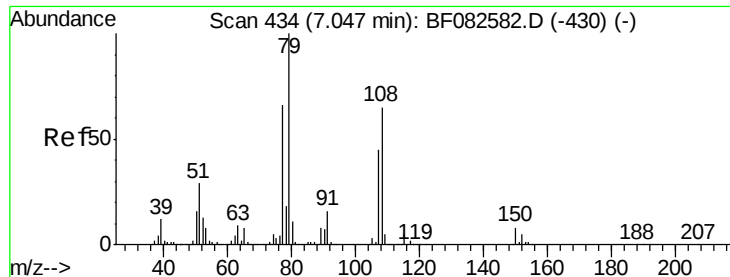
Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

6.44

Time-->





#15

Benzyl Alcohol

Concen: 3.20 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampled :

TP-117(3)

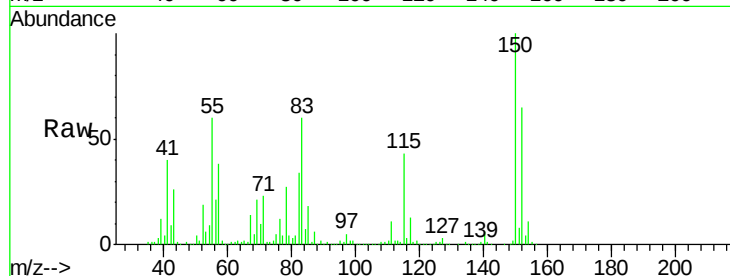
Tot Ion: 79 Resp: 41769

Ion Ratio Lower Upper

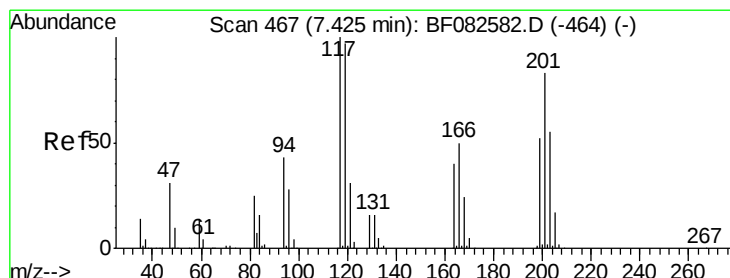
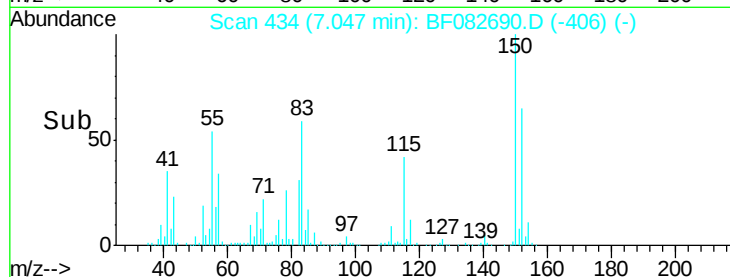
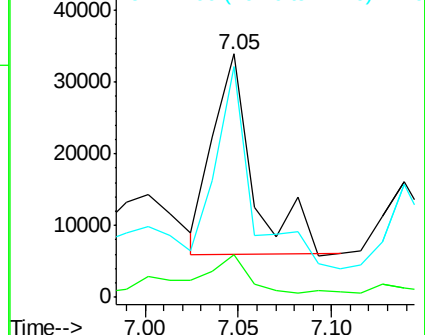
79 100

108 17.6 52.2 78.4#

77 94.7 52.7 79.1#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 6.26 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

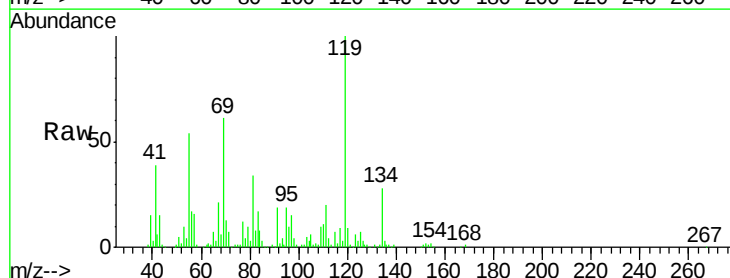
Tgt Ion: 117 Resp: 31482

Ion Ratio Lower Upper

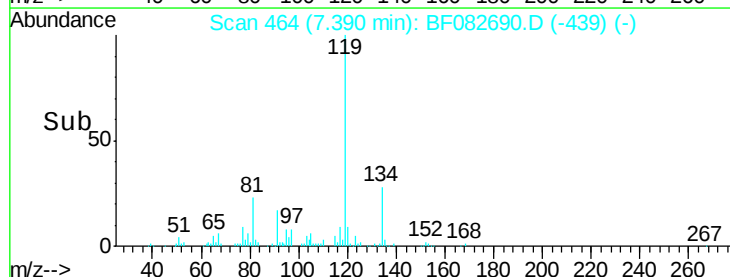
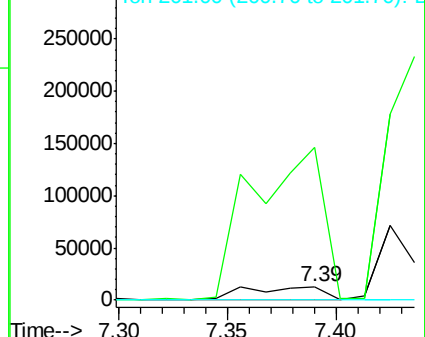
117 100

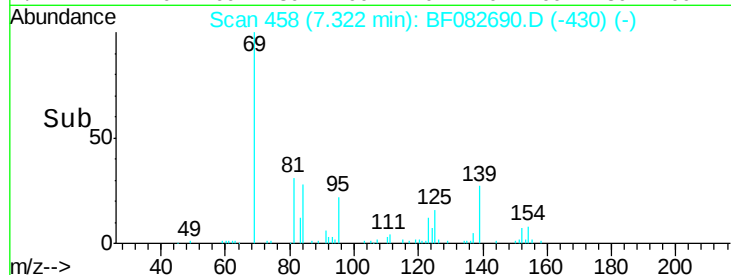
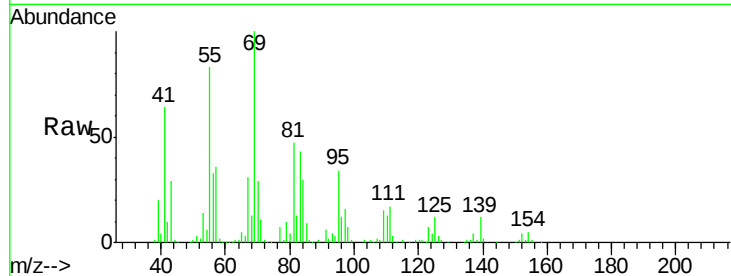
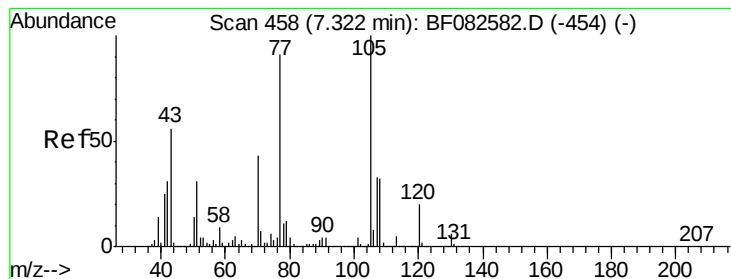
119 1106.6 77.7 116.5#

201 0.0 66.7 100.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 3.18 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

Tot Ion: 70 Resp: 33682

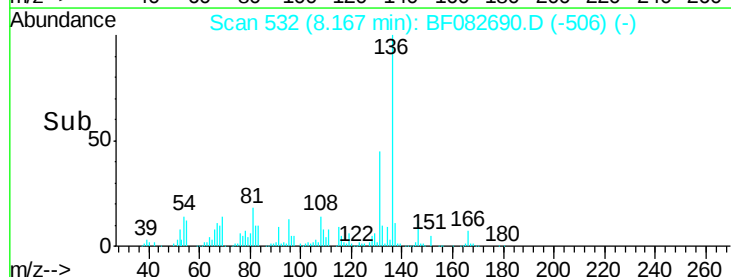
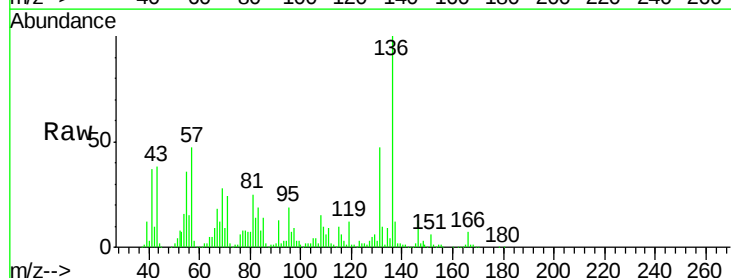
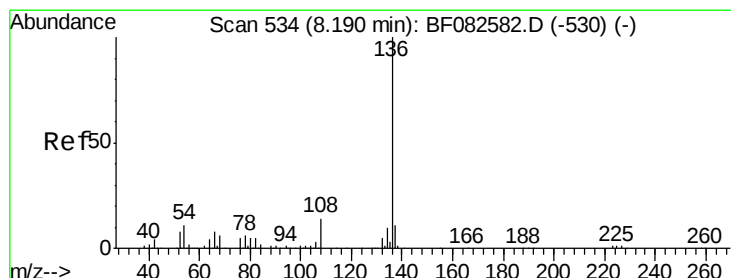
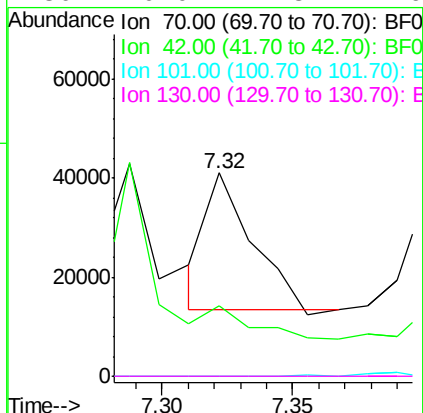
Ion Ratio Lower Upper

70 100

42 34.8 57.7 86.5#

101 0.0 7.0 10.6#

130 0.0 11.8 17.6#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Tgt Ion:136 Resp: 526520

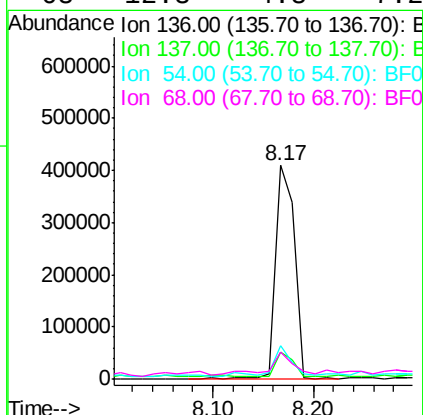
Ion Ratio Lower Upper

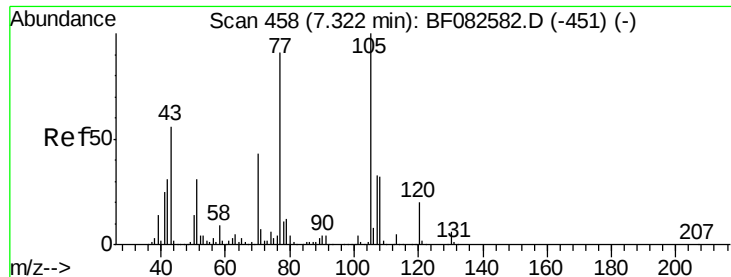
136 100

137 12.5 9.1 13.7

54 15.8 9.1 13.7#

68 12.3 4.8 7.2#





#22

Acetophenone

Concen: 5.49 ng

RT: 7.29 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

Tot Ion:105 Resp: 85089

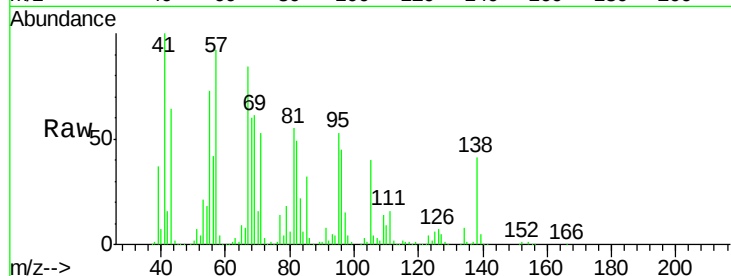
Ion Ratio Lower Upper

105 100

71 132.7 5.6 8.4#

51 17.5 24.9 37.3#

120 0.9 15.8 23.8#

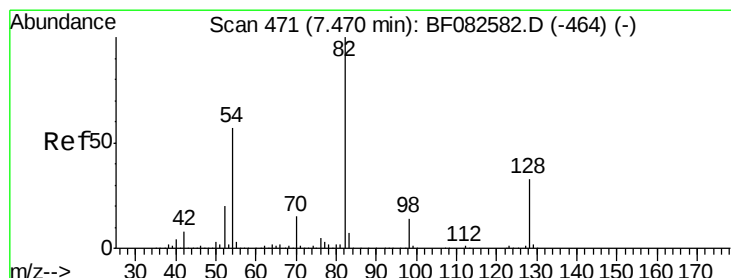
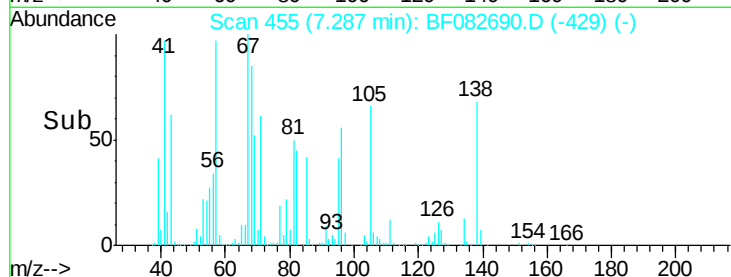
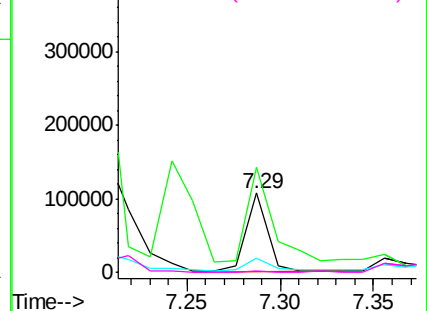


Abundance Ion 105.00 (104.70 to 105.70): E

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: 96.99 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

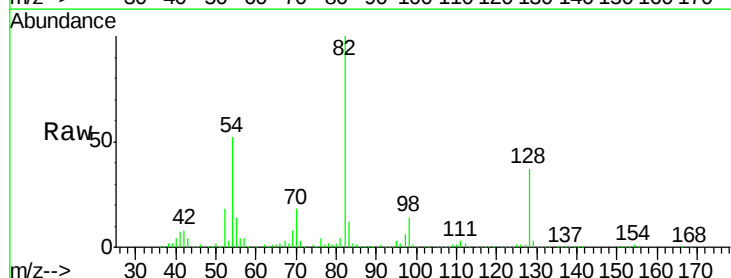
Tgt Ion: 82 Resp: 1250539

Ion Ratio Lower Upper

82 100

128 36.9 26.8 40.2

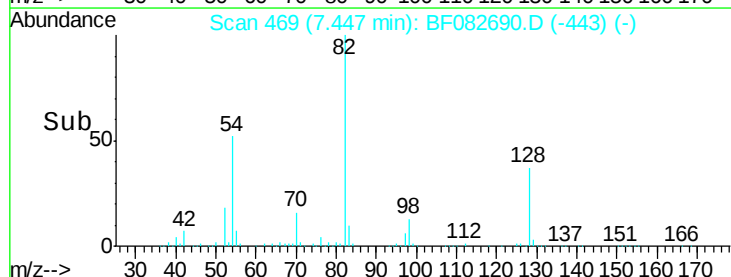
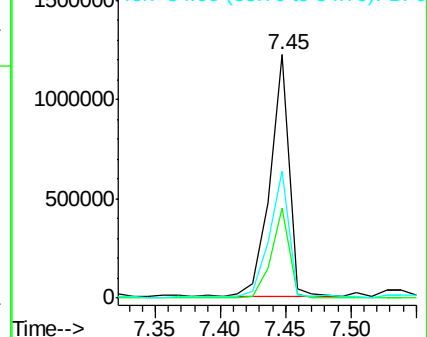
54 52.2 45.7 68.5

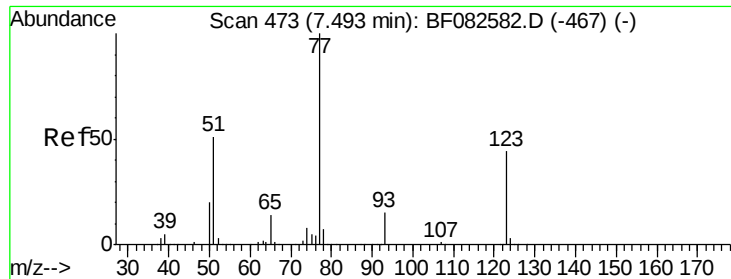


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 4.90 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.03 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

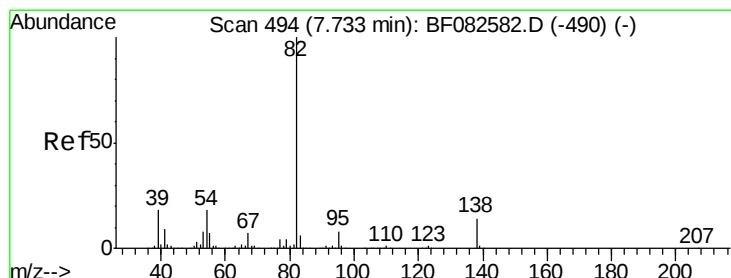
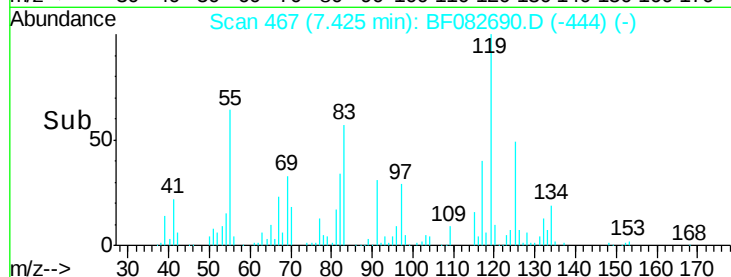
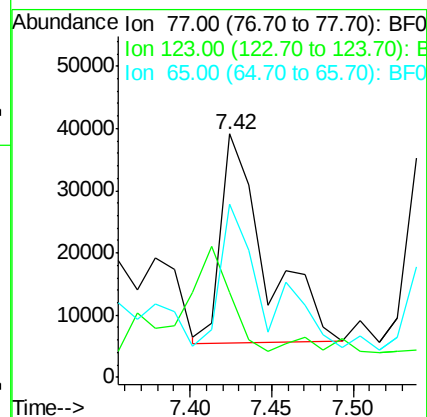
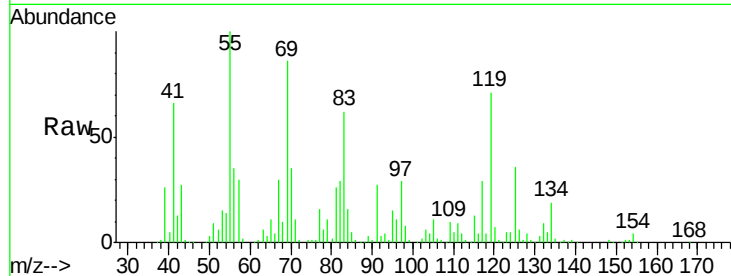
Tot Ion: 77 Resp: 63917

Ion Ratio Lower Upper

77 100

123 34.6 36.4 54.6#

65 71.2 11.5 17.3#



#25

Isophorone

Concen: 3.31 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

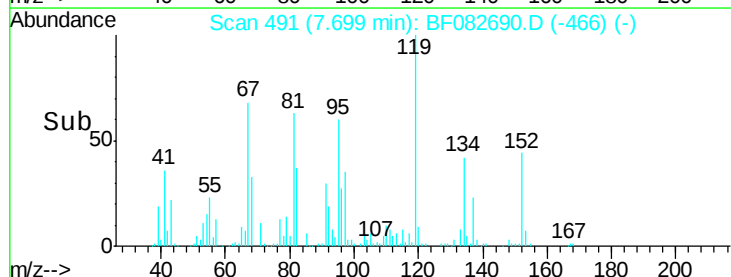
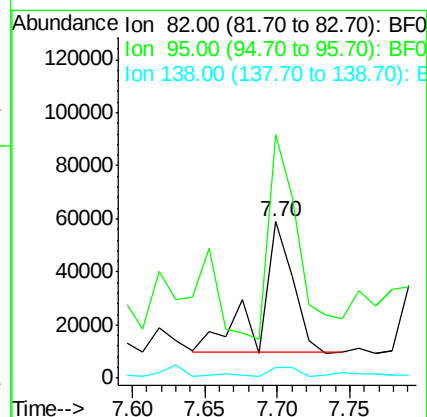
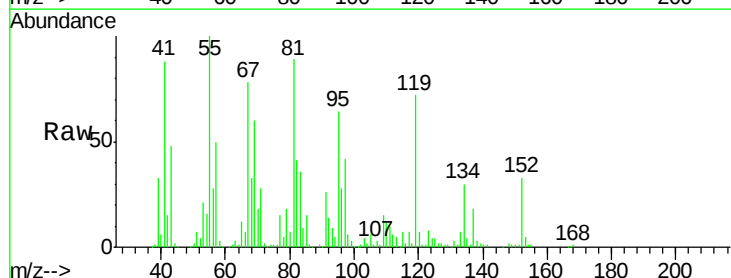
Tgt Ion: 82 Resp: 78517

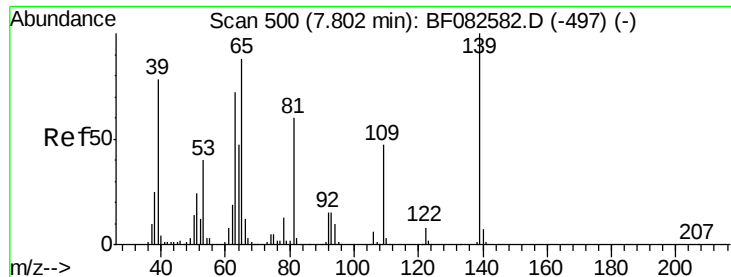
Ion Ratio Lower Upper

82 100

95 156.0 6.6 9.8#

138 6.7 11.4 17.0#

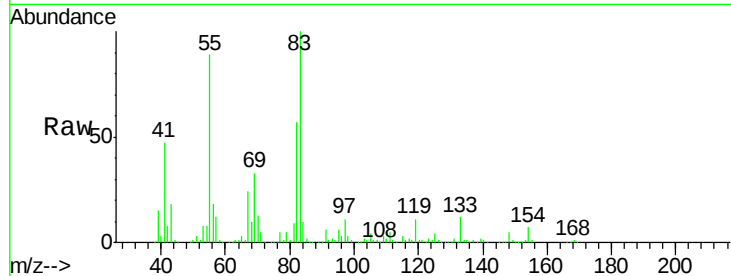




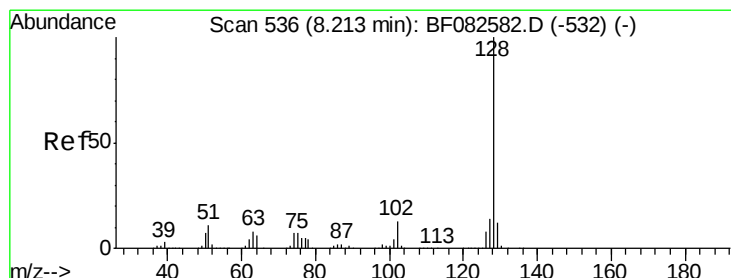
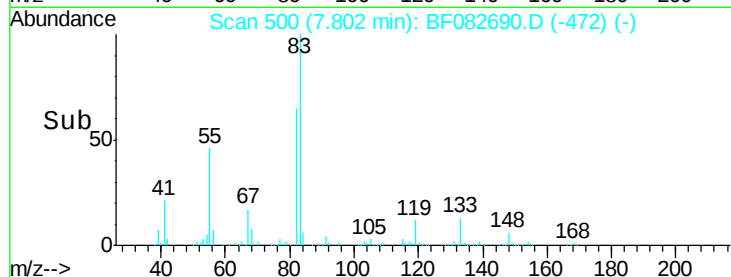
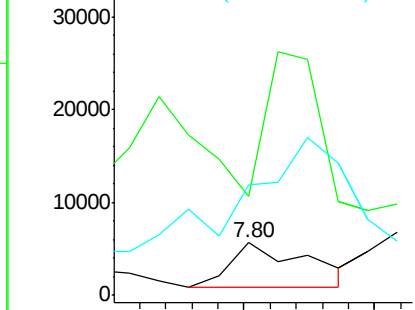
#26
2-Nitrophenol
Concen: 2.05 ng
RT: 7.80 min Scan# 500
Delta R.T. 0.02 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Instrument :
BNA_F
ClientSampleId :
TP-117(3)

Tot Ion:139 Resp: 9760
Ion Ratio Lower Upper
139 100
109 188.8 37.6 56.4#
65 211.6 70.6 105.8#

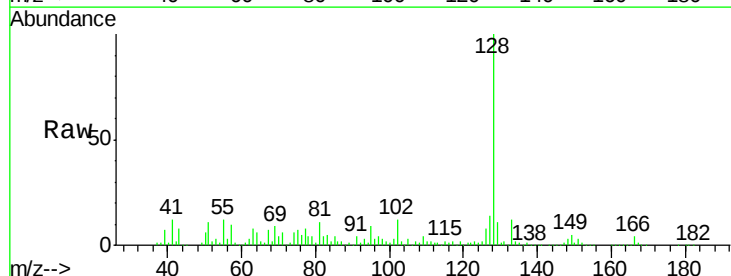


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

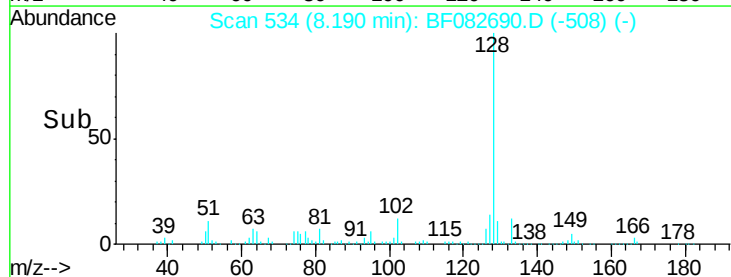
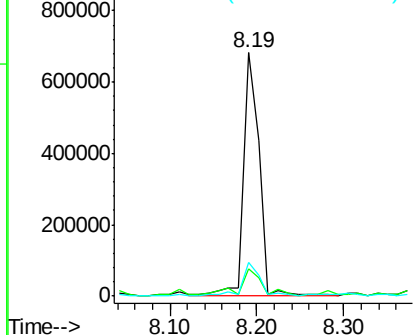


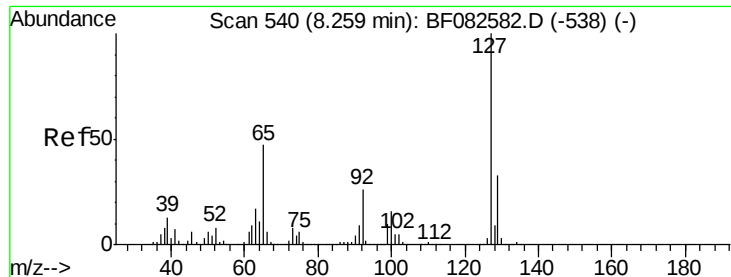
#31
Naphthalene
Concen: 28.80 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion:128 Resp: 820411
Ion Ratio Lower Upper
128 100
129 11.3 9.5 14.3
127 14.0 11.4 17.0



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

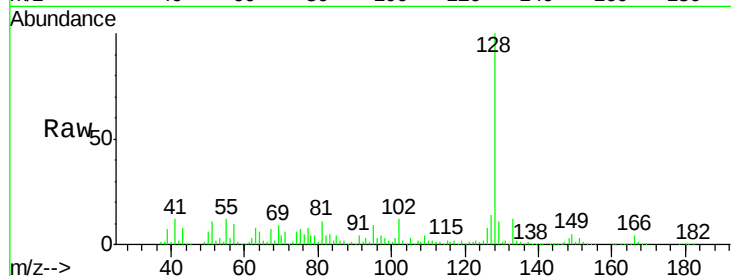




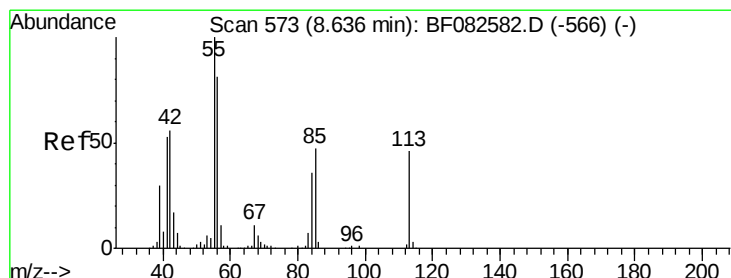
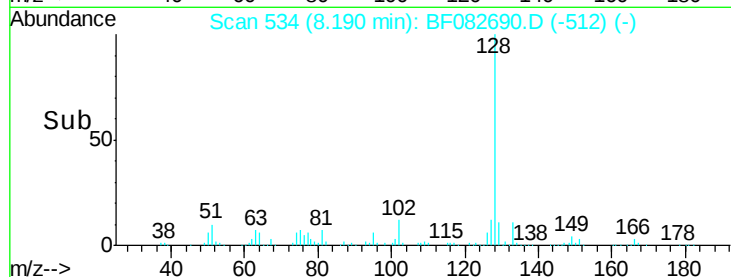
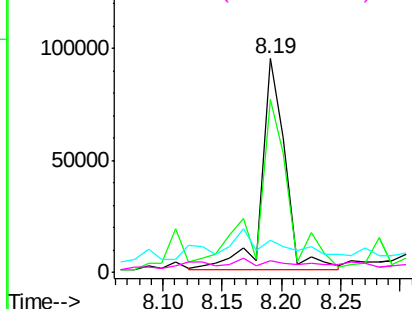
#33
4-Chloroaniline
Concen: 10.74 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.05 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Instrument :
BNA_F
ClientSampleId :
TP-117(3)

Tot Ion:127	Resp:	130589
Ion Ratio	Lower	Upper
127	100	
129	81.2	26.3 39.5#
65	15.0	37.8 56.8#
92	5.3	20.6 31.0#

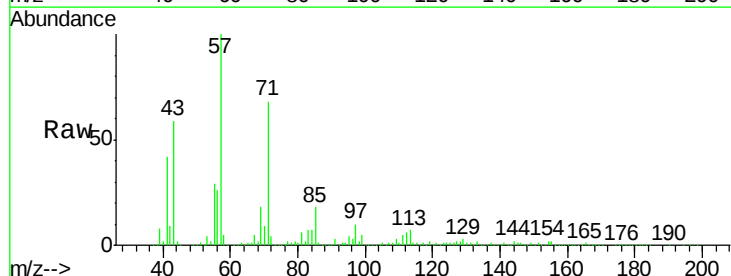


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

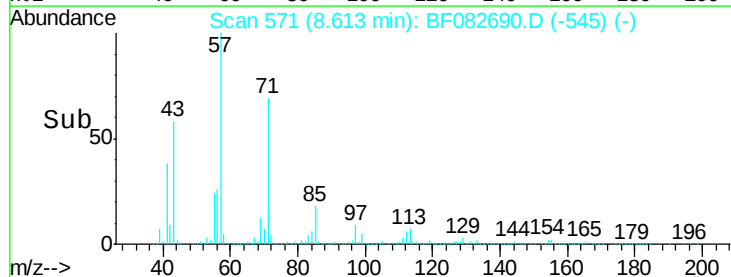
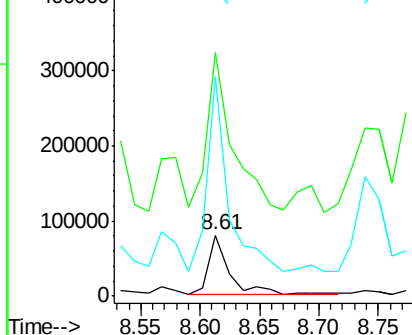


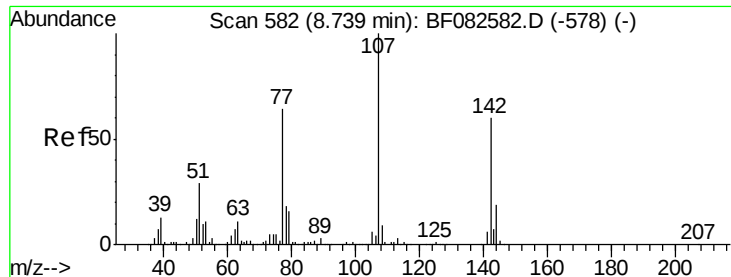
#35
Caprolactam
Concen: 37.17 ng
RT: 8.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion:113	Resp:	96616
Ion Ratio	Lower	Upper
113	100	
55	400.2	195.5 235.5#
56	361.5	153.5 193.5#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

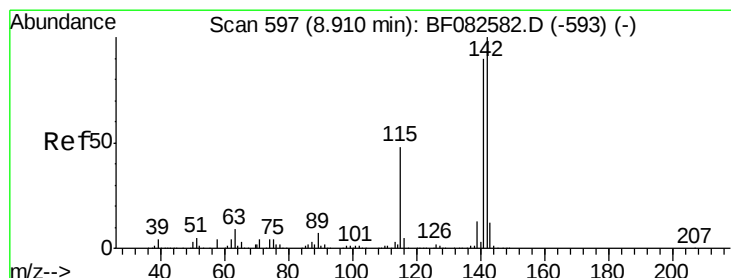
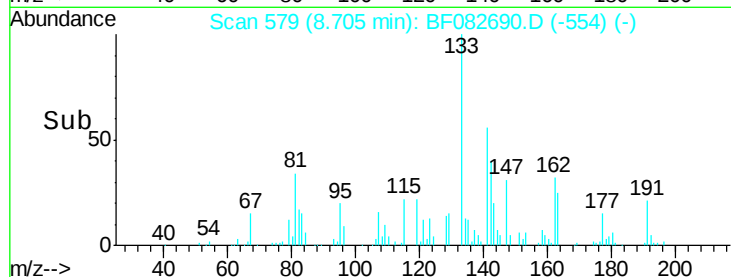
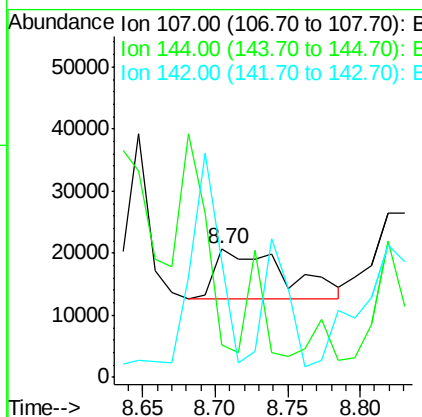
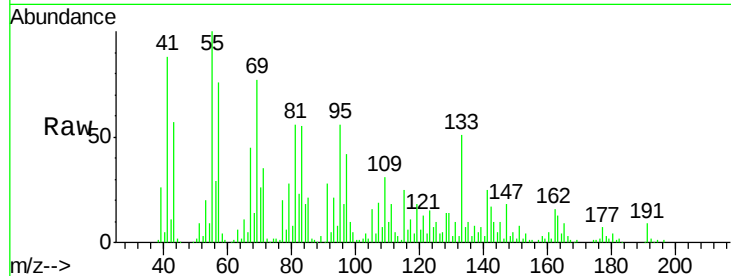




#36
4-Chloro-3-methylphenol
Concen: 2.76 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

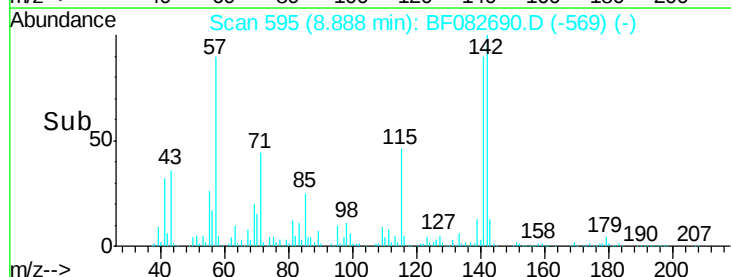
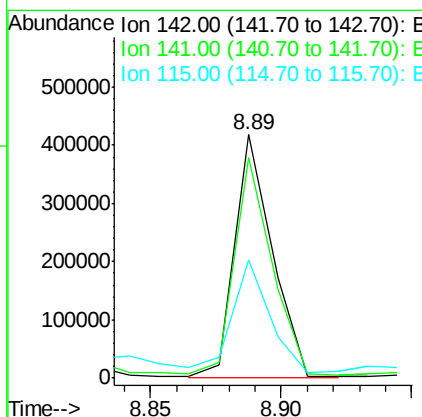
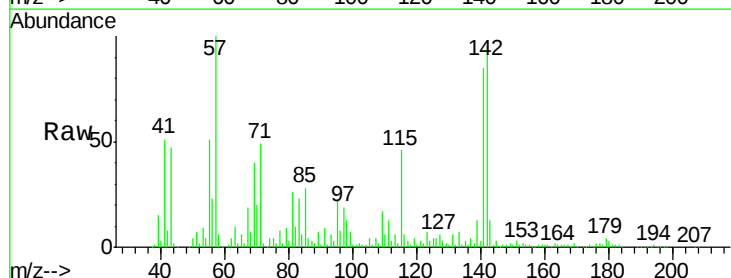
Instrument :
BNA_F
ClientSampleId :
TP-117(3)

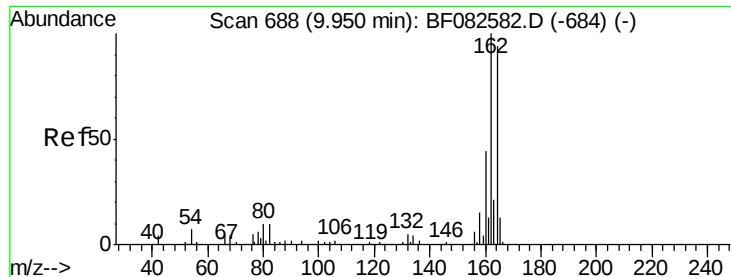
Tot Ion:107 Resp: 27524
Ion Ratio Lower Upper
107 100
144 24.9 15.4 23.0#
142 89.4 47.8 71.8#



#37
2-Methylnaphthalene
Concen: 22.70 ng
RT: 8.89 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion:142 Resp: 419226
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5
115 48.5 38.1 57.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

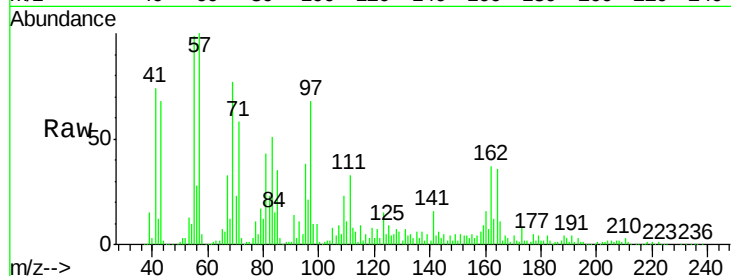
Tot Ion:164 Resp: 222668

Ion Ratio Lower Upper

164 100

162 102.2 84.9 127.3

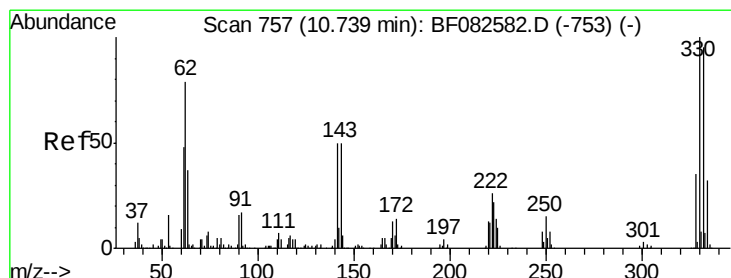
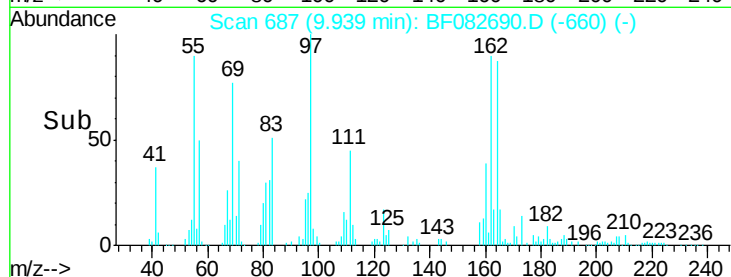
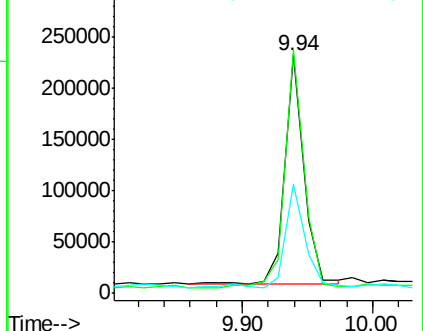
160 46.0 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 116.95 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

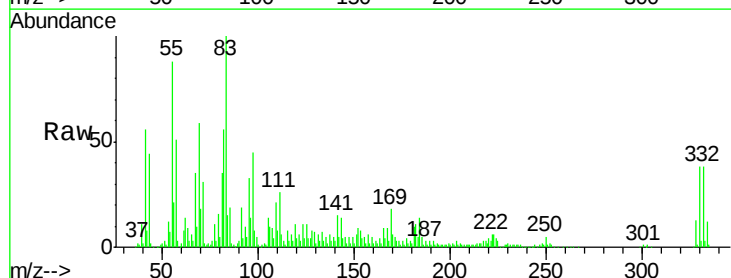
Tgt Ion:330 Resp: 284982

Ion Ratio Lower Upper

330 100

332 98.2 76.6 114.8

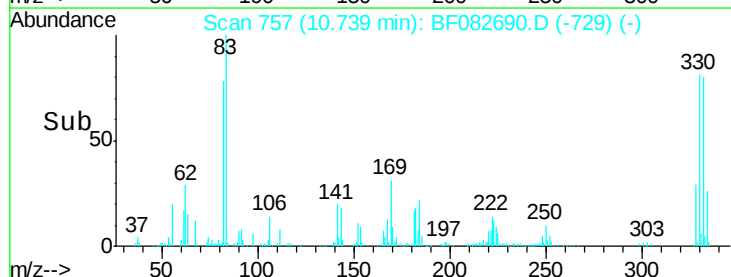
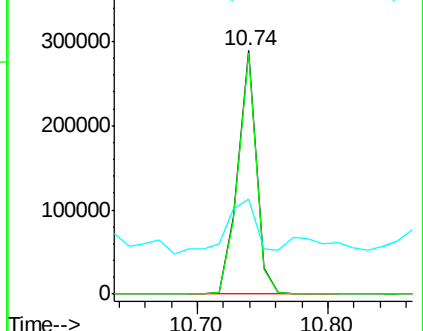
141 29.9 41.2 61.8#

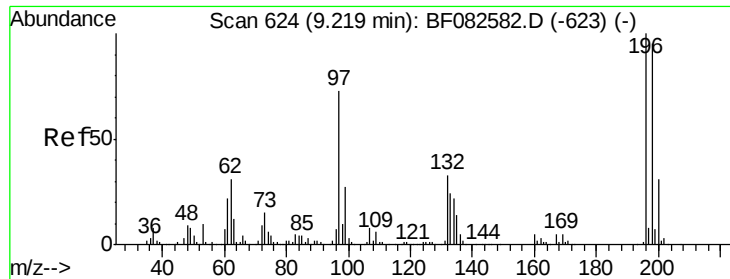


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

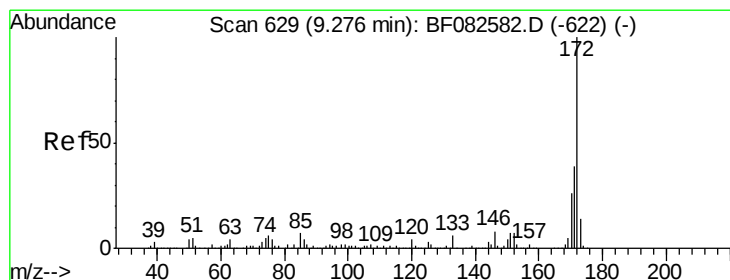
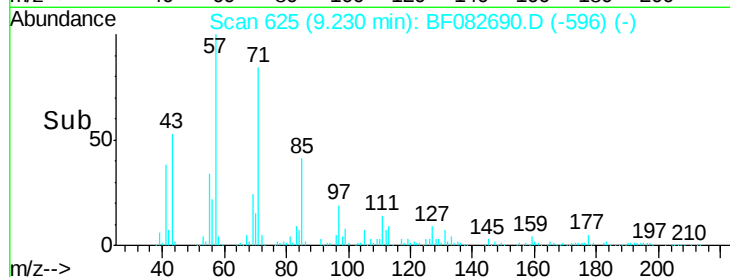
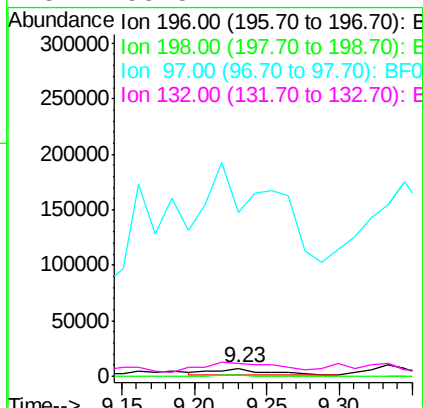
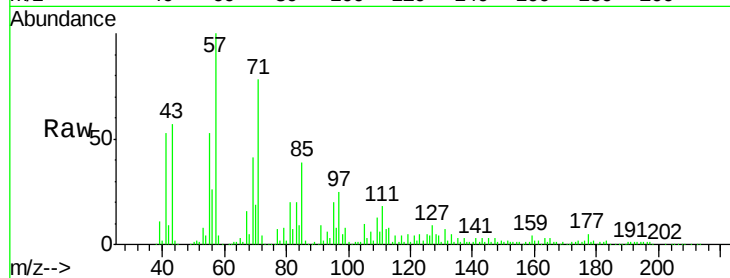




#43
 2,4,5-Trichlorophenol
 Concen: 2.12 ng
 RT: 9.23 min Scan# 625
 Delta R.T. 0.03 min
 Lab File: BF082690.D
 Acq: 4 Nov 2015 8:13

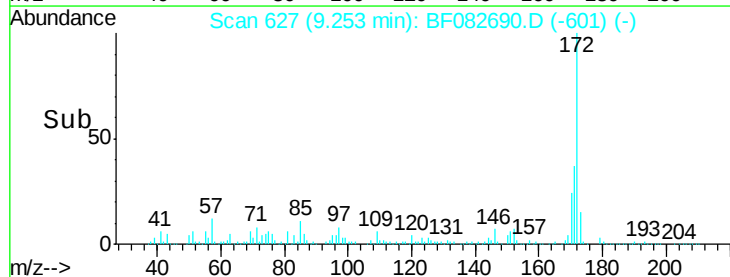
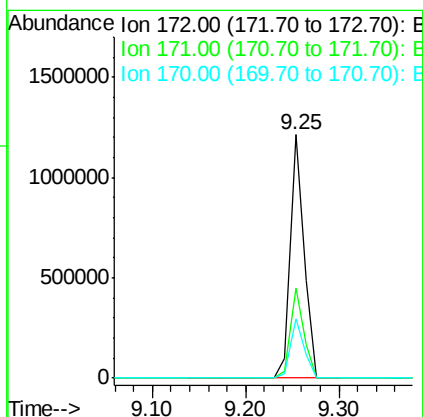
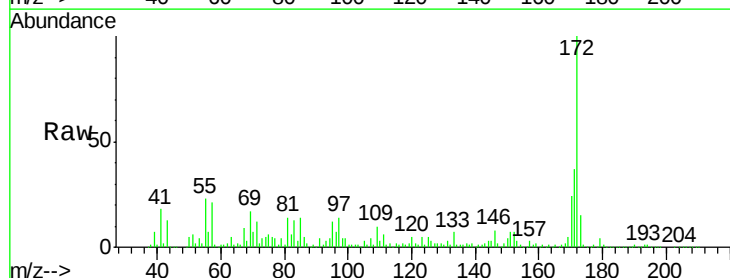
Instrument :
 BNA_F
 ClientSampleID :
 TP-117(3)

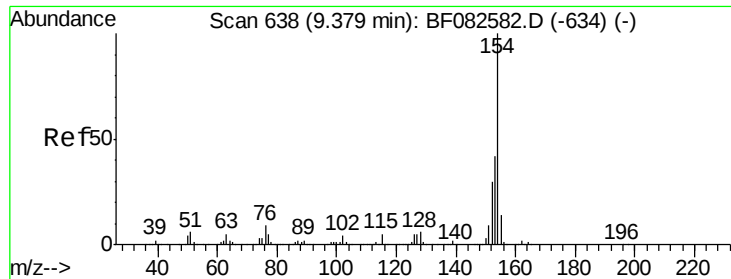
Tot Ion:196 Resp: 11347
 Ion Ratio Lower Upper
 196 100
 198 9.6 75.8 113.8#
 97 2021.6 62.3 93.5#
 132 155.8 27.4 41.2#



#44
 2-Fluorobiphenyl
 Concen: 79.44 ng
 RT: 9.25 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082690.D
 Acq: 4 Nov 2015 8:13

Tgt Ion:172 Resp: 1245800
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.8 46.2
 170 24.3 21.2 31.8





#45

1,1'-Biphenyl

Concen: 5.60 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

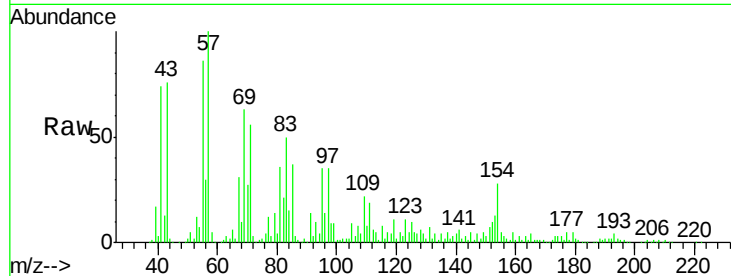
Tot Ion:154 Resp: 105243

Ion Ratio Lower Upper

154 100

153 45.2 22.0 62.0

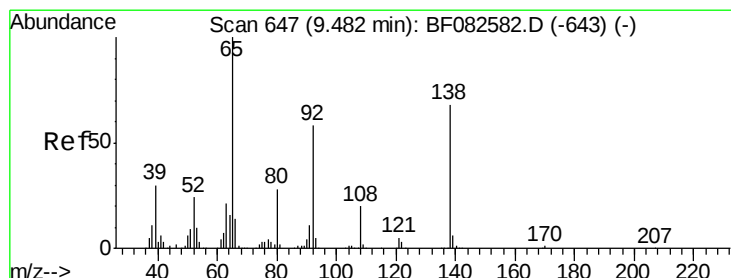
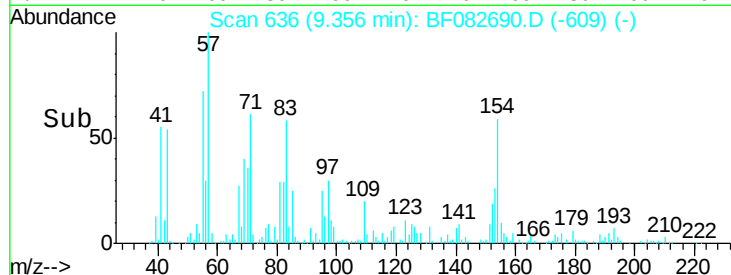
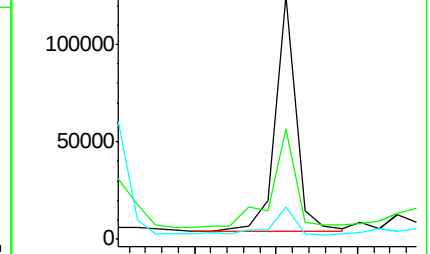
76 13.1 0.0 29.0



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: 3.33 ng

RT: 9.46 min Scan# 645

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

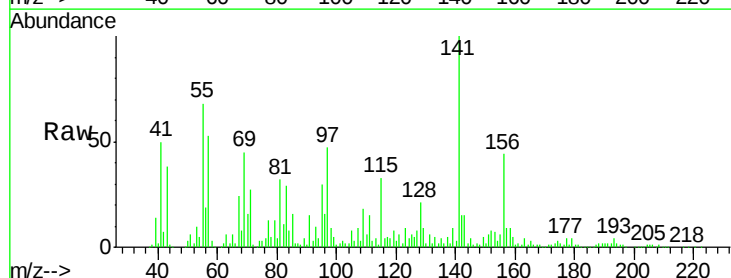
Tgt Ion: 65 Resp: 18997

Ion Ratio Lower Upper

65 100

92 40.9 46.6 70.0#

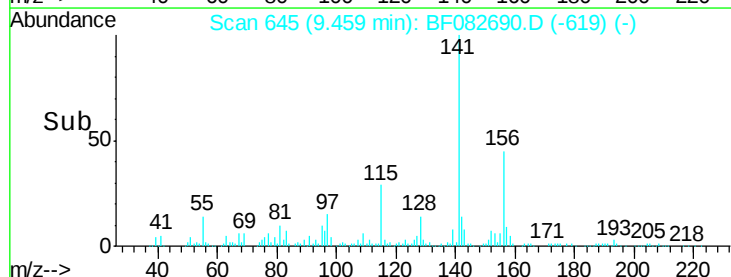
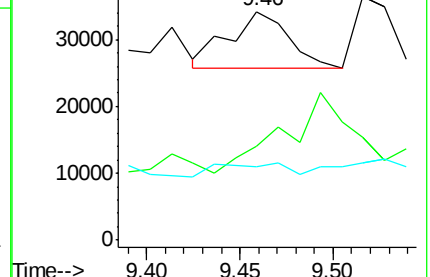
138 32.4 54.6 81.8#

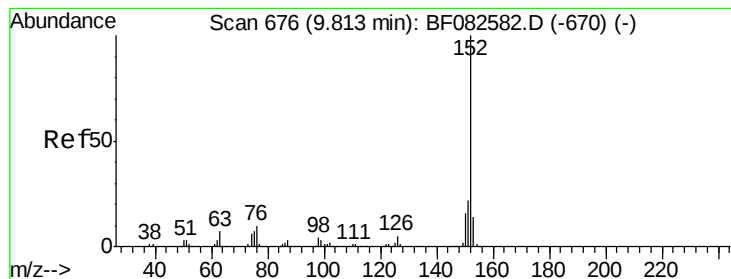


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 15.85 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

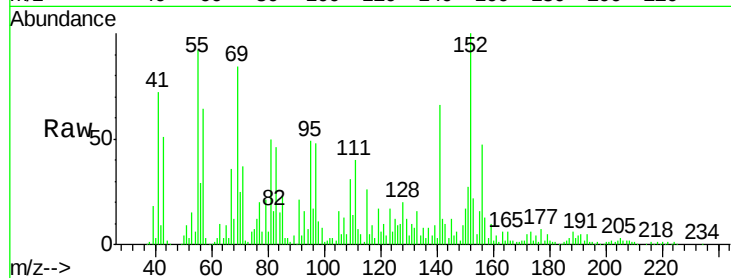
Tot Ion:152 Resp: 372416

Ion Ratio Lower Upper

152 100

151 26.6 17.3 25.9#

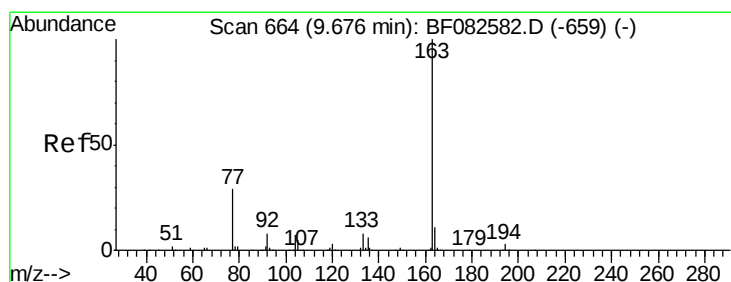
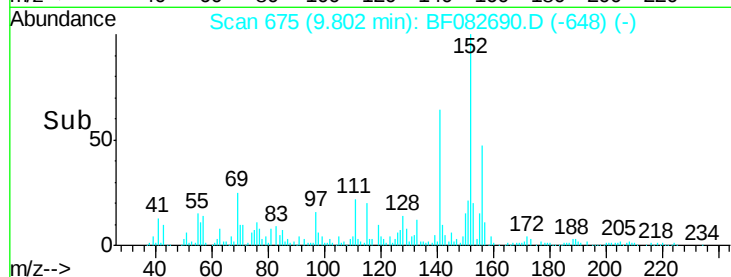
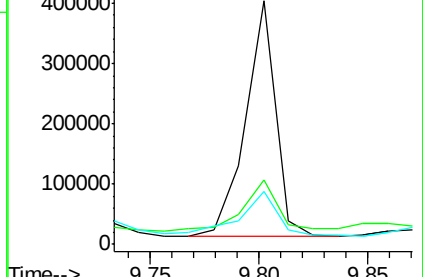
153 21.7 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 17.53 ng

RT: 9.65 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

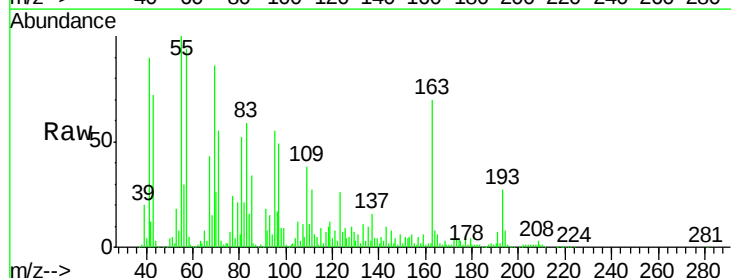
Tgt Ion:163 Resp: 318759

Ion Ratio Lower Upper

163 100

194 11.0 2.6 4.0#

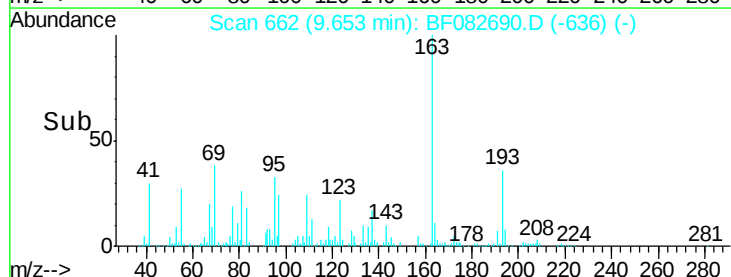
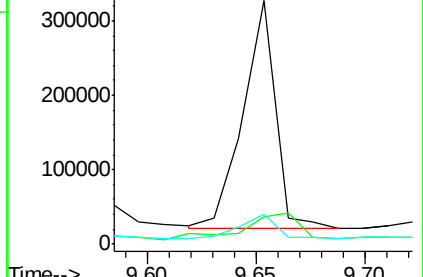
164 12.0 8.7 13.1

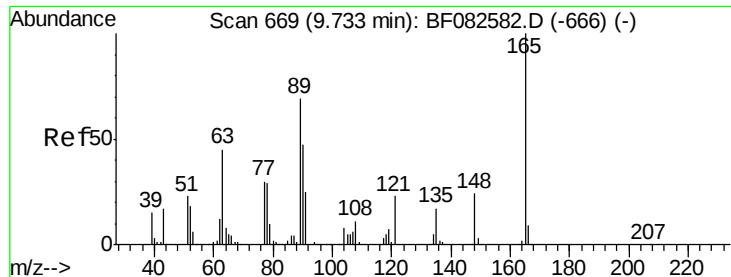


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

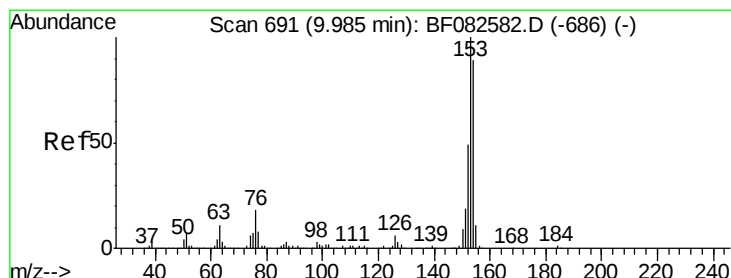
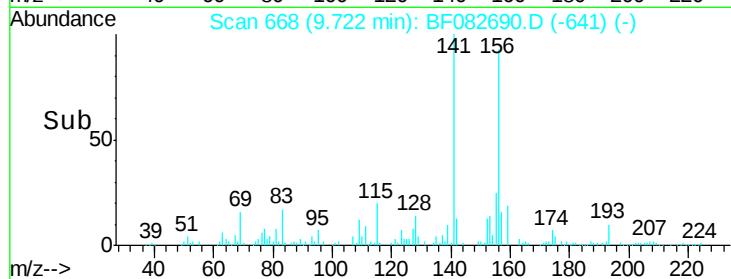
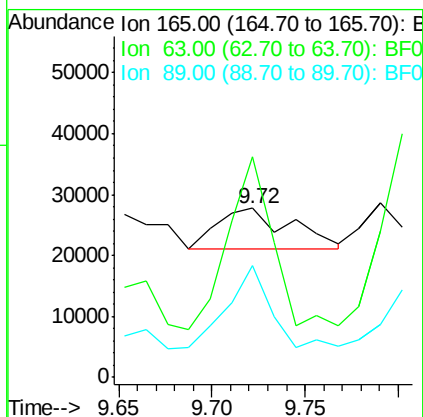
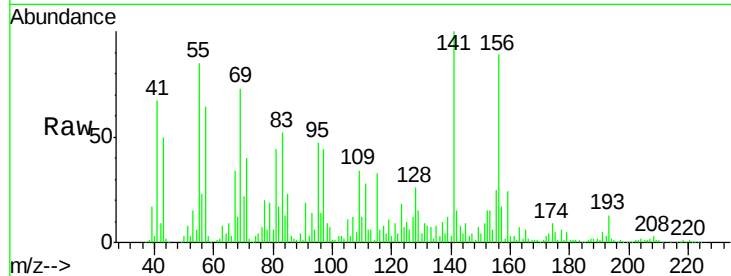




#50
2,6-Dinitrotoluene
Concen: 4.97 ng
RT: 9.72 min Scan# 668
Delta R.T. 0.01 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

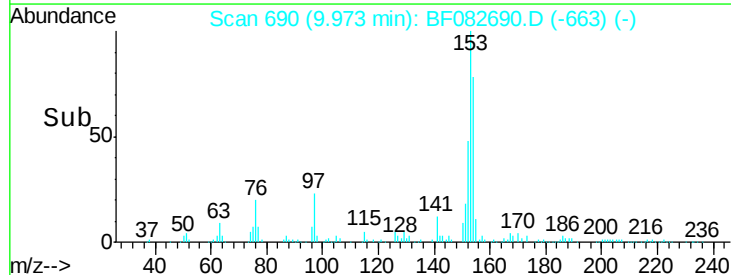
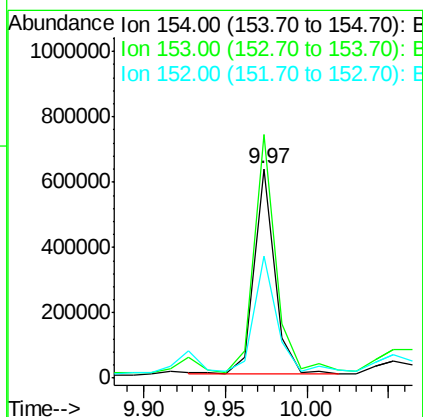
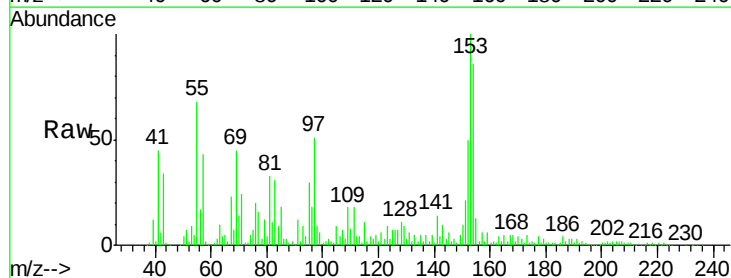
Instrument :
BNA_F
ClientSampleId :
TP-117(3)

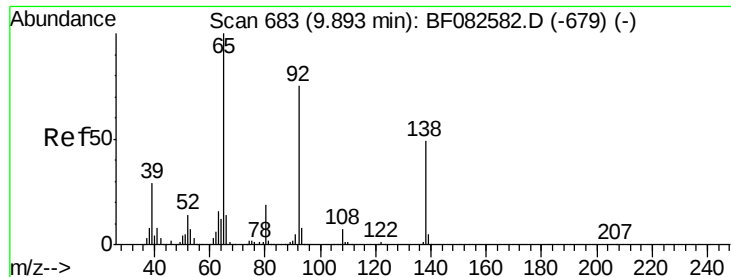
Tot Ion:165 Resp: 18739
Ion Ratio Lower Upper
165 100
63 130.6 55.5 83.3#
89 65.8 55.0 82.6



#51
Acenaphthene
Concen: 37.25 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.01 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion:154 Resp: 555561
Ion Ratio Lower Upper
154 100
153 116.1 90.1 135.1
152 58.5 44.3 66.5





#52

3-Nitroaniline

Concen: 2.81 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

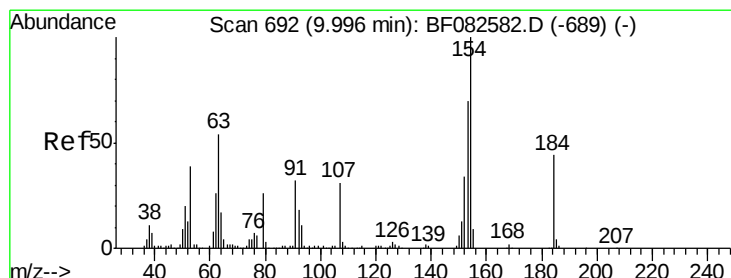
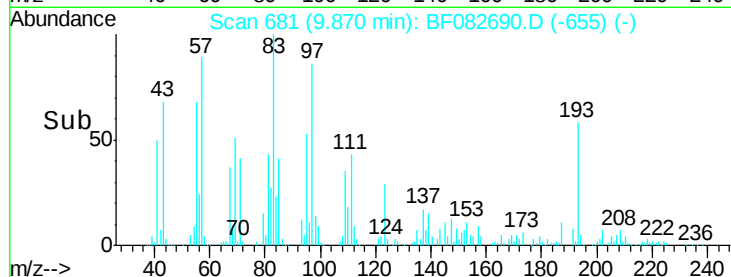
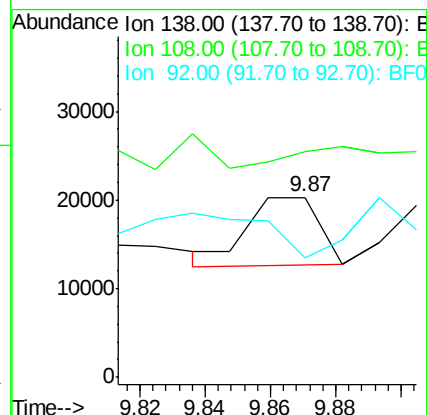
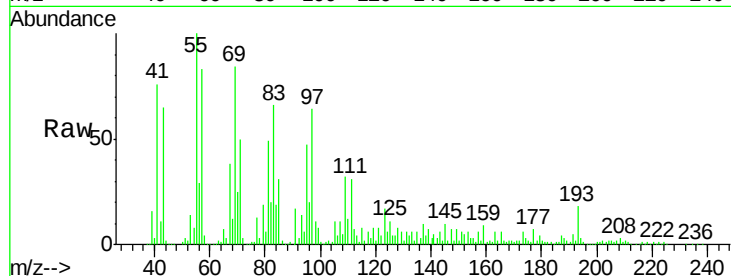
Tot Ion:138 Resp: 11801

Ion Ratio Lower Upper

138 100

108 125.4 11.3 16.9#

92 66.0 122.4 183.6#



#53

2,4-Dinitrophenol

Concen: 9.63 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.03 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

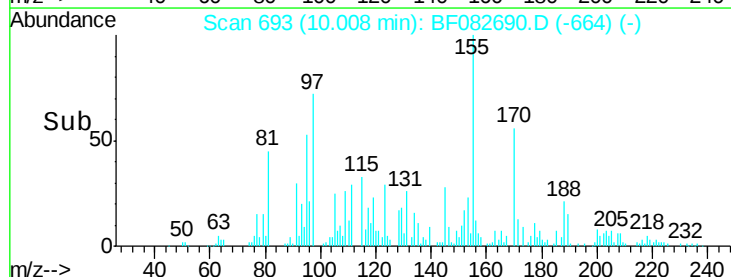
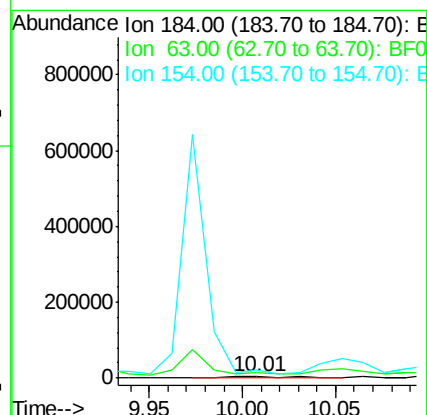
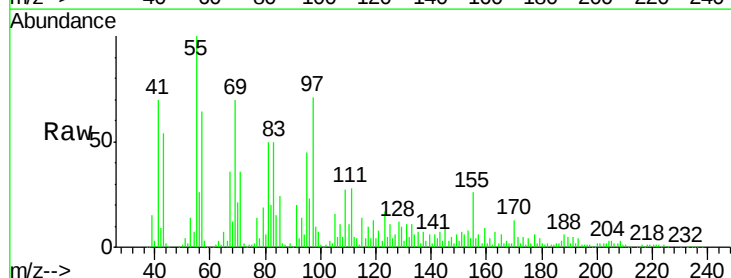
Tgt Ion:184 Resp: 6433

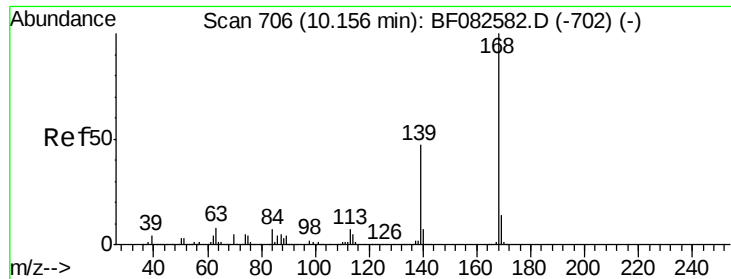
Ion Ratio Lower Upper

184 100

63 457.2 98.6 148.0#

154 679.1 183.9 275.9#





#54

Dibenzofuran

Concen: 8.16 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

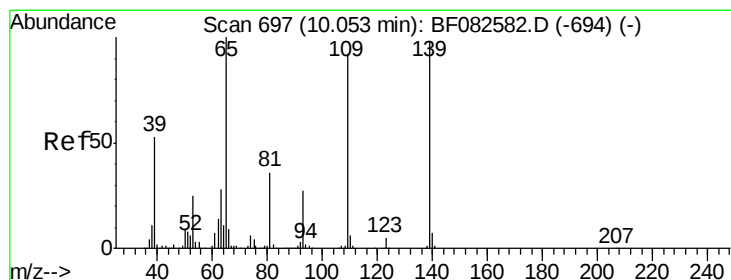
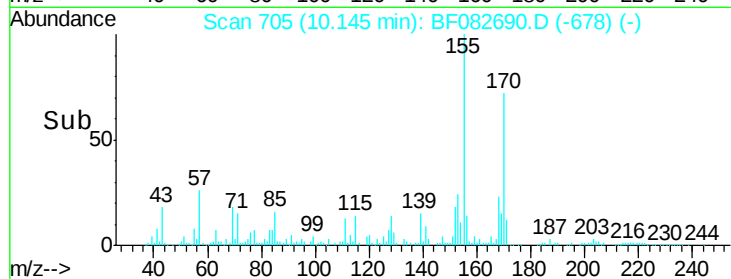
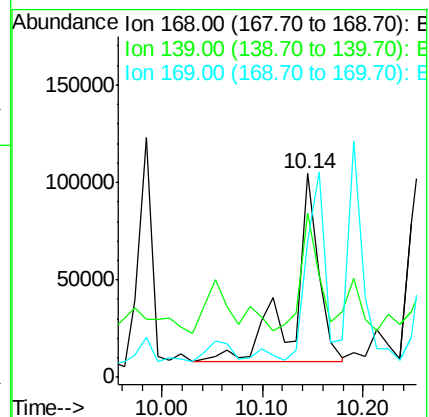
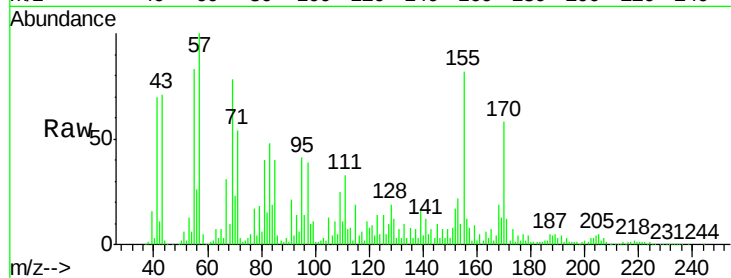
Tot Ion:168 Resp: 165193

Ion Ratio Lower Upper

168 100

139 80.4 37.8 56.6#

169 66.8 11.3 16.9#



#55

4-Nitrophenol

Concen: 13.06 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

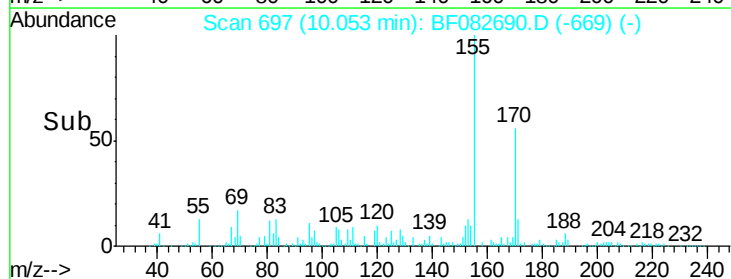
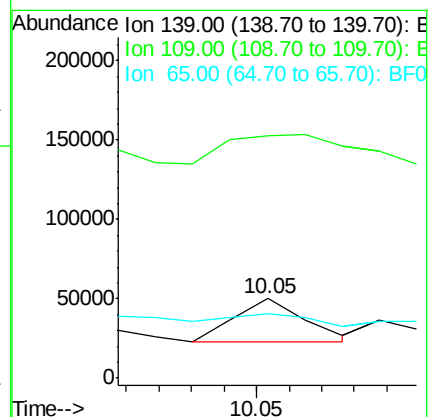
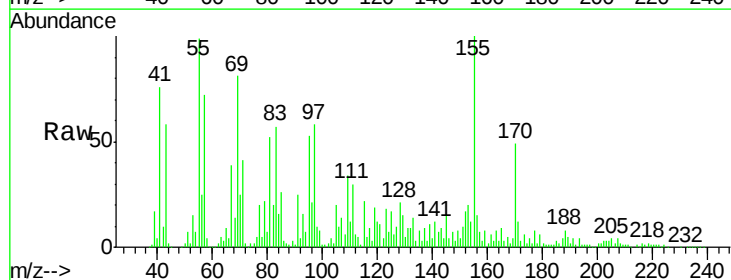
Tgt Ion:139 Resp: 41194

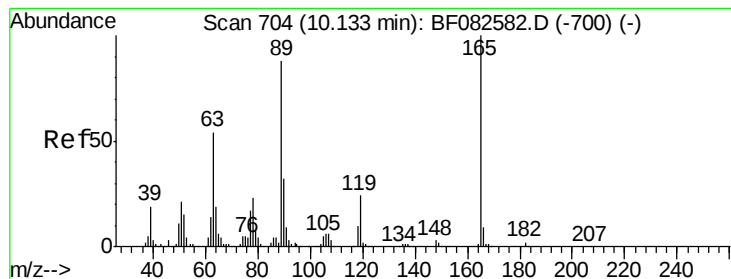
Ion Ratio Lower Upper

139 100

109 304.0 73.7 113.7#

65 80.3 82.9 122.9#





#56

2,4-Dinitrotoluene

Concen: 5.36 ng

RT: 10.12 min Scan# 703

Delta R.T. 0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampled :

TP-117(3)

Tot Ion:165 Resp: 27344

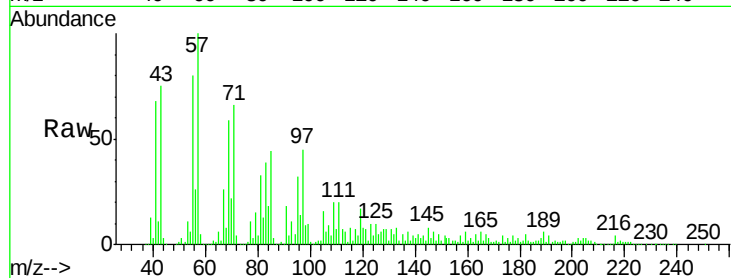
Ion Ratio Lower Upper

165 100

63 28.6 43.4 65.0#

89 26.5 70.6 106.0#

182 96.2 1.5 2.3#

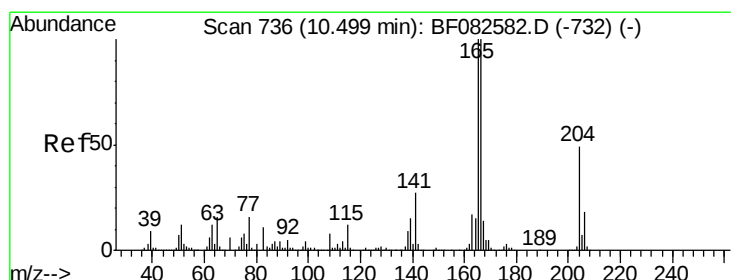
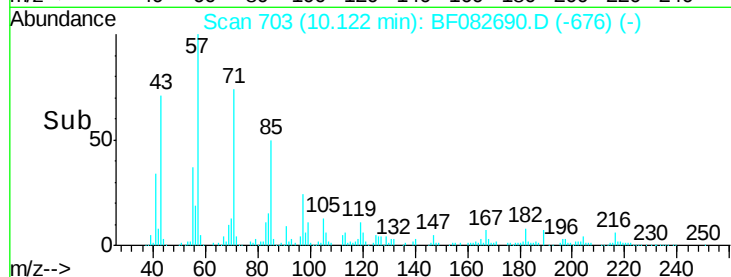
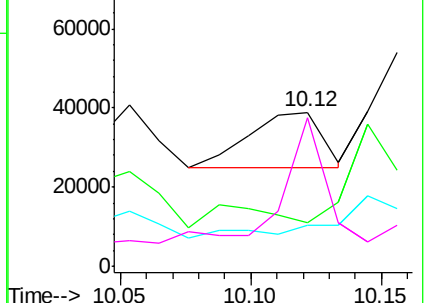


Abundance Ion 165.00 (164.70 to 165.70): E

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: 41.06 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

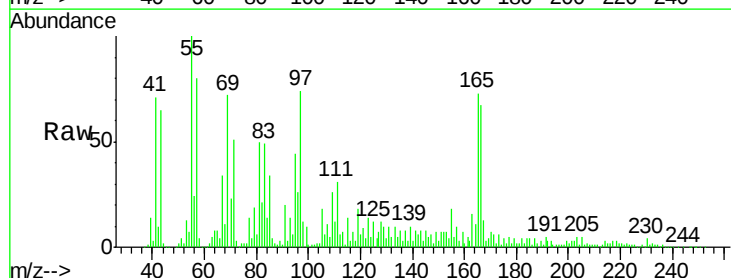
Tgt Ion:166 Resp: 670199

Ion Ratio Lower Upper

166 100

165 109.2 80.2 120.4

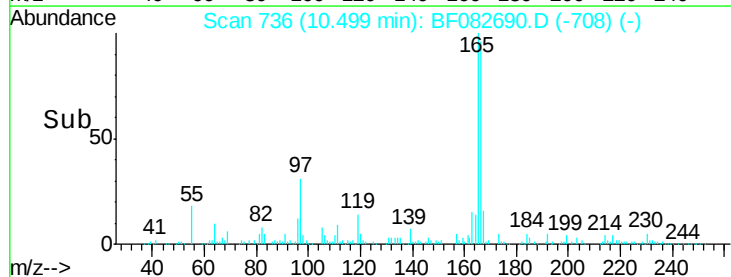
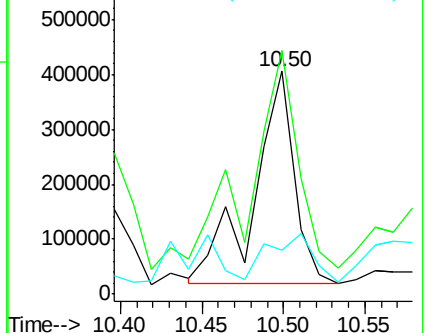
167 20.0 11.2 16.8#

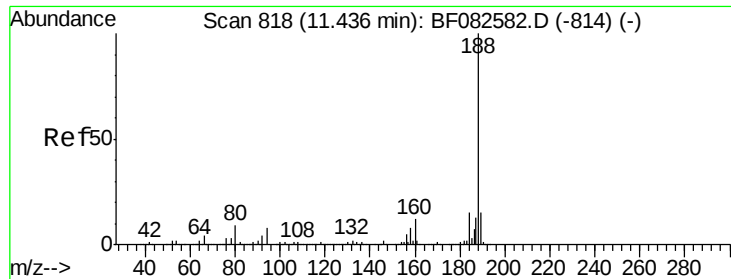


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

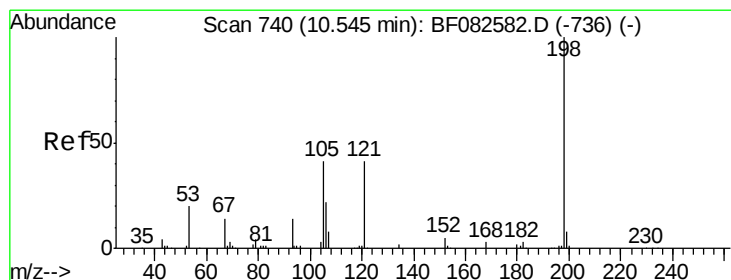
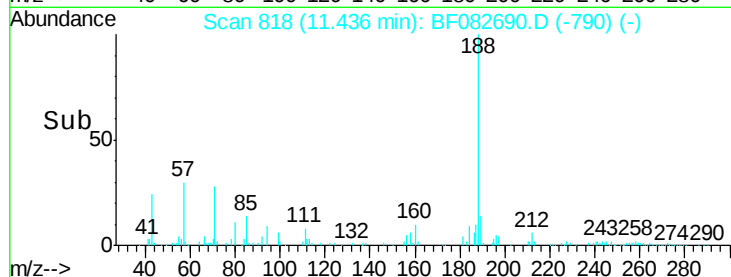
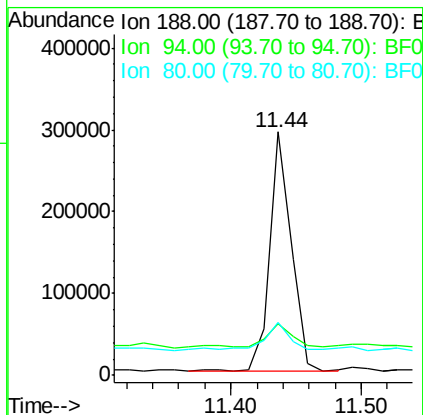
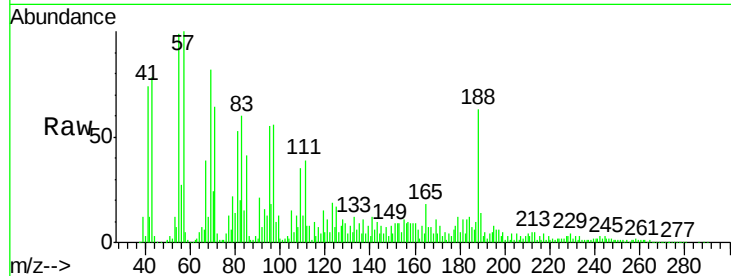




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

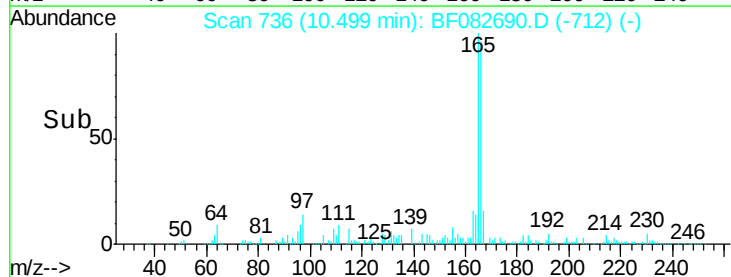
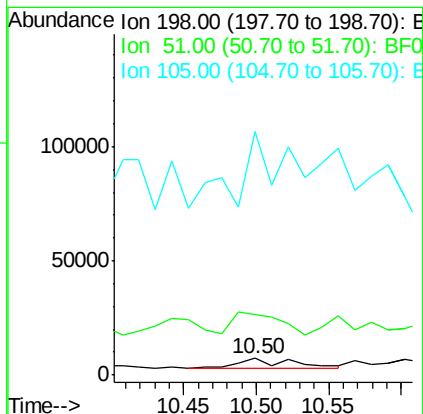
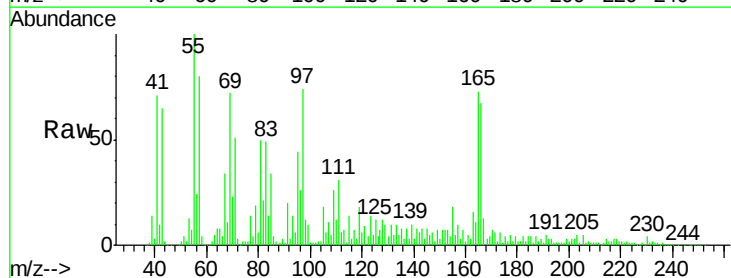
Instrument :
BNA_F
ClientSampleId :
TP-117(3)

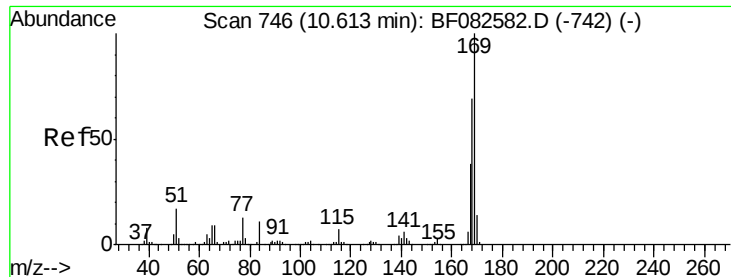
Tot Ion:188 Resp: 338052
Ion Ratio Lower Upper
188 100
94 21.1 6.1 9.1#
80 21.8 7.0 10.6#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.39 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.02 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion:198 Resp: 10990
Ion Ratio Lower Upper
198 100
51 360.7 17.3 57.3#
105 1456.6 21.7 61.7#





#65

n-Nitrosodiphenylamine

Concen: 28.68 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

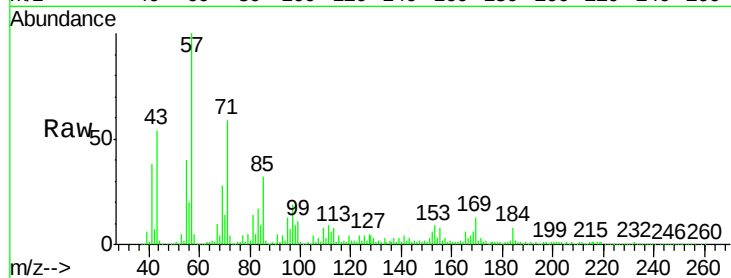
Tot Ion:169 Resp: 333238

Ion Ratio Lower Upper

169 100

168 45.9 55.0 82.6#

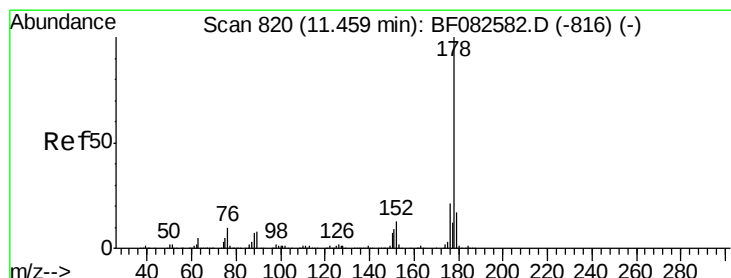
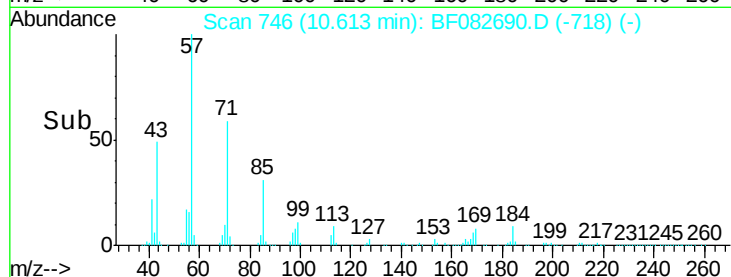
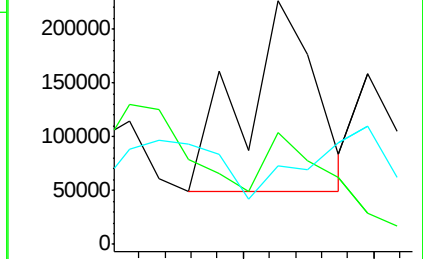
167 32.0 30.5 45.7



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



#70

Phenanthrene

Concen: 116.88 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.03 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

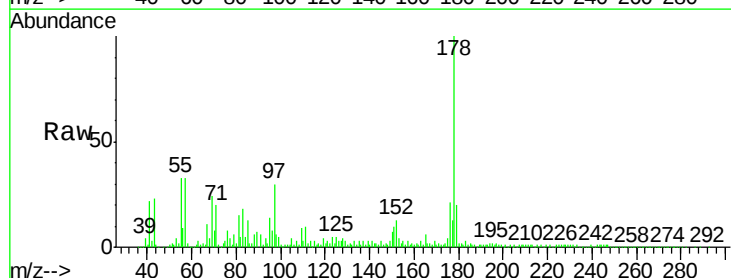
Tgt Ion:178 Resp: 2228511

Ion Ratio Lower Upper

178 100

176 20.9 17.0 25.4

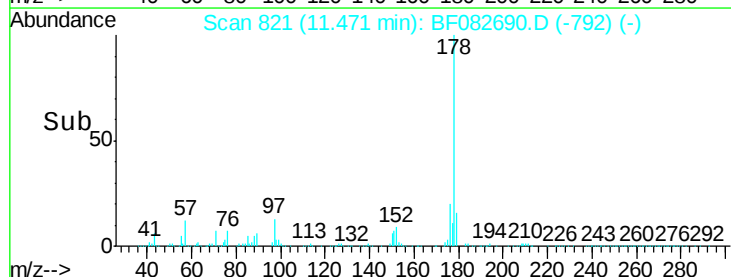
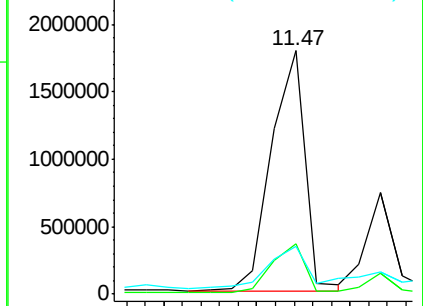
179 19.5 13.4 20.0

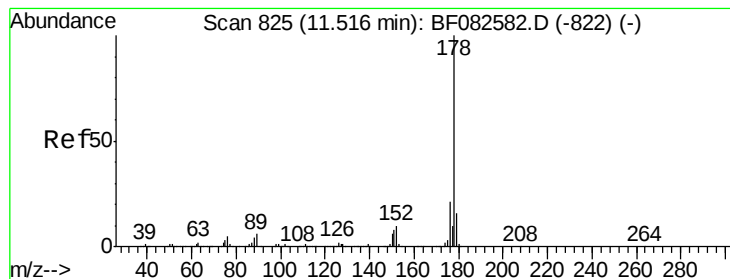


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 116.08 ng

RT: 11.47 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

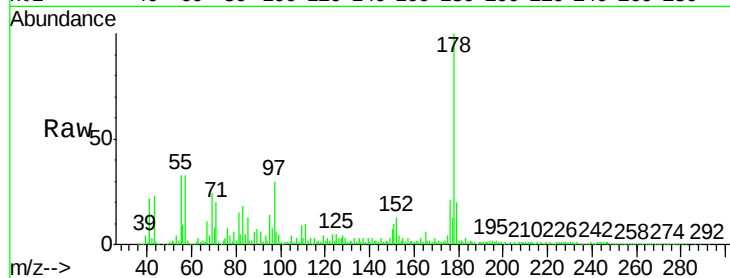
BNA_F

ClientSampleId :

TP-117(3)

Tot Ion:178 Resp: 2228511

Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.5	24.7
179	19.5	13.2	19.8

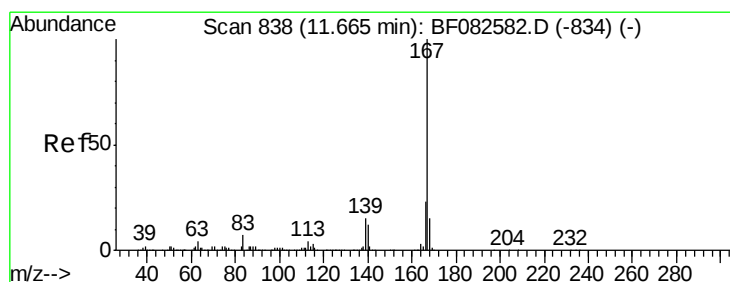
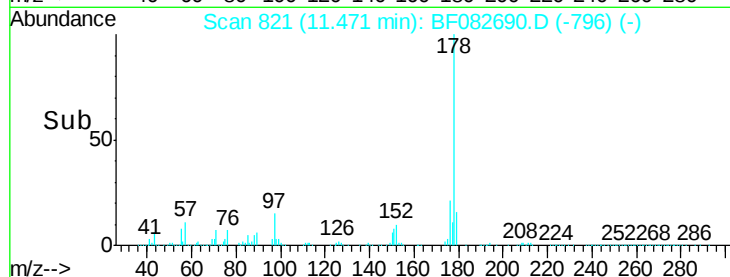
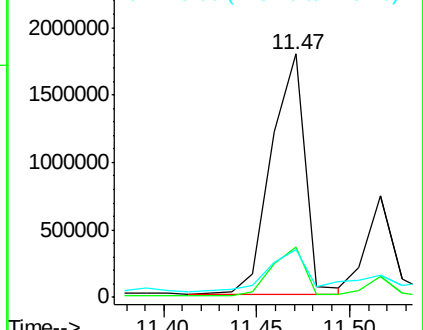


Abundance

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: 4.53 ng

RT: 11.66 min Scan# 838

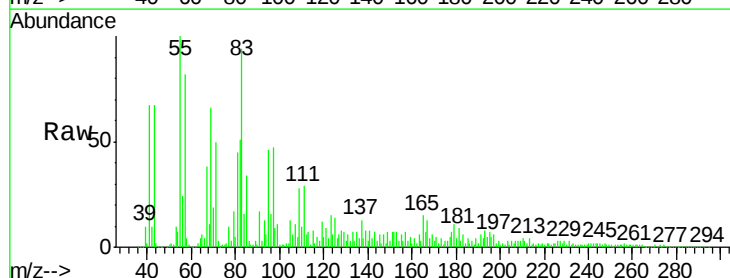
Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Tgt Ion:167 Resp: 75677

Ion	Ratio	Lower	Upper
167	100		
166	53.0	18.7	28.1#
139	60.5	11.8	17.6#

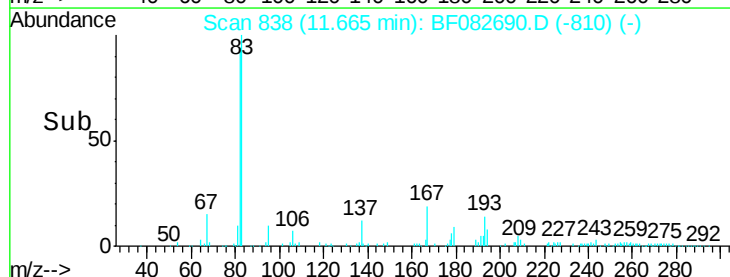
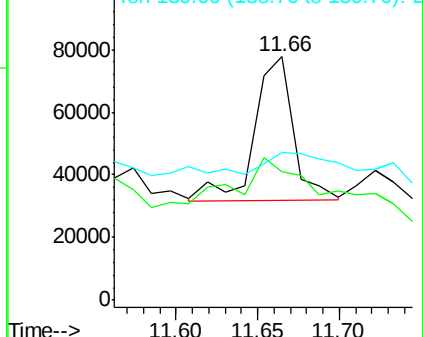


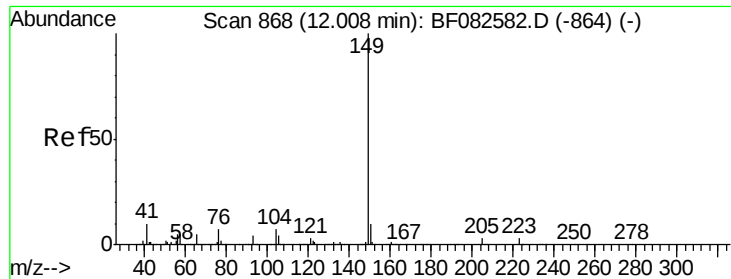
Abundance

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





#73

Di-n-butylphthalate

Concen: 2.23 ng

RT: 11.97 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

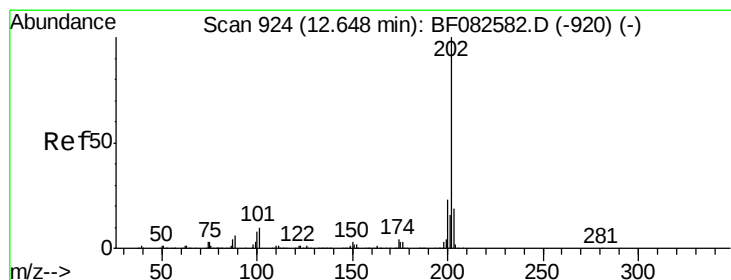
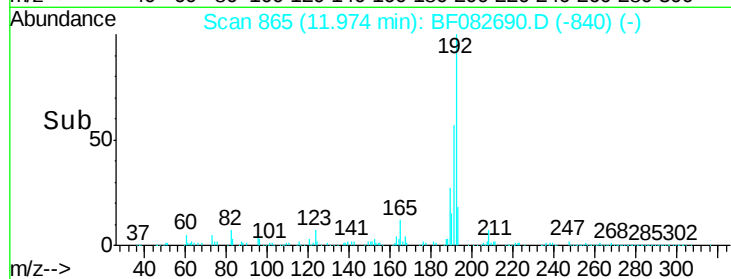
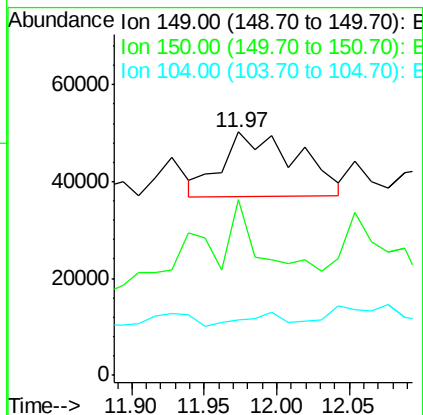
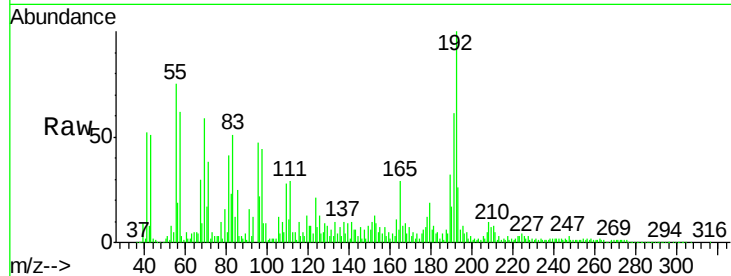
Tot Ion:149 Resp: 47574

Ion Ratio Lower Upper

149 100

150 72.4 8.1 12.1#

104 22.9 5.2 7.8#



#74

Fluoranthene

Concen: 49.87 ng

RT: 12.68 min Scan# 927

Delta R.T. 0.06 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

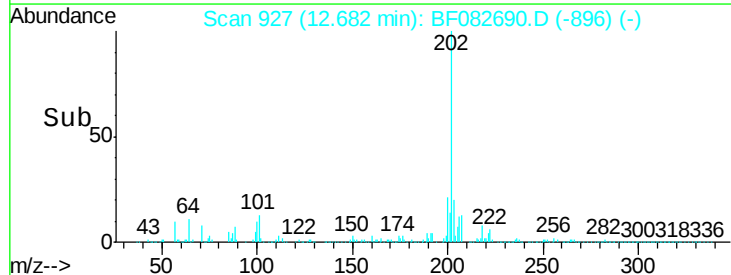
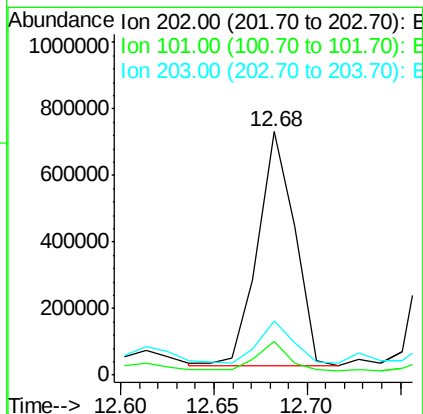
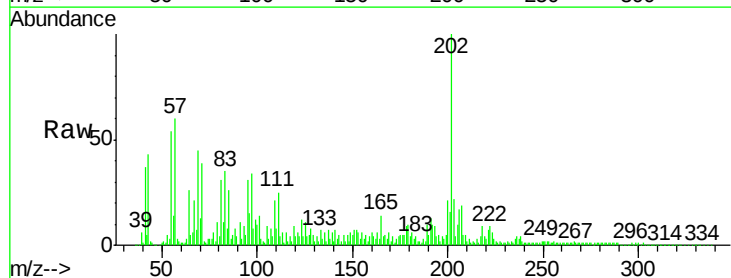
Tgt Ion:202 Resp: 972047

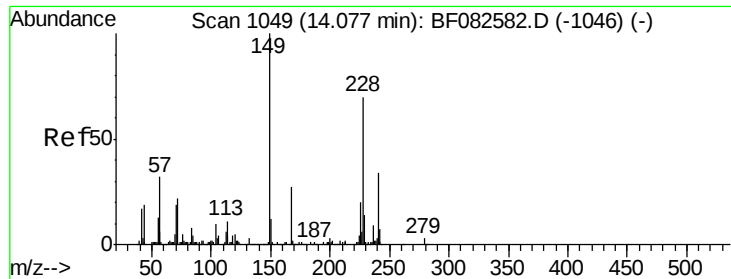
Ion Ratio Lower Upper

202 100

101 13.9 0.0 30.5

203 22.1 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.03 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

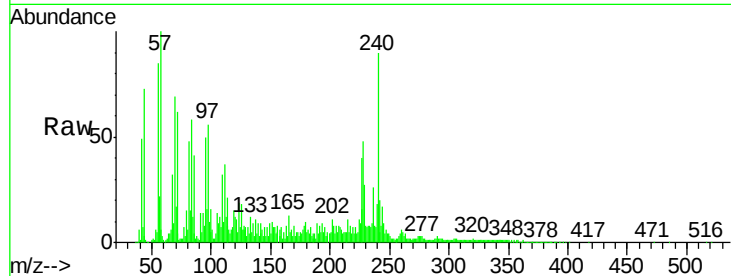
Tot Ion:240 Resp: 387086

Ion Ratio Lower Upper

240 100

120 13.0 10.9 16.3

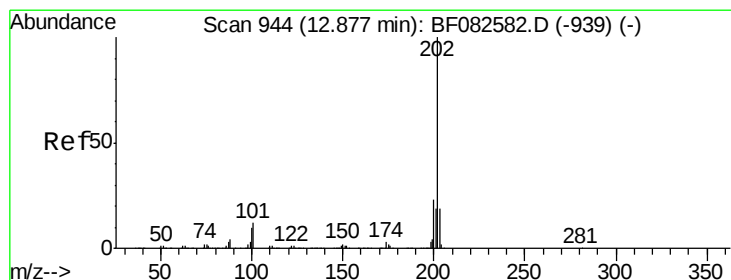
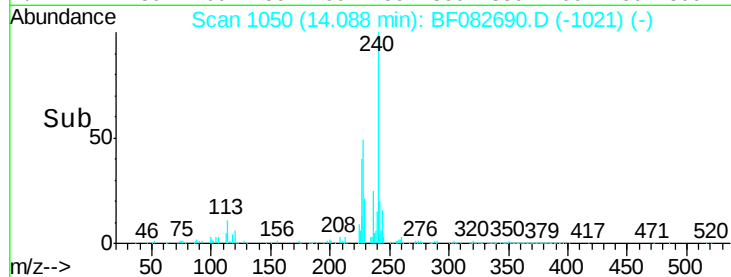
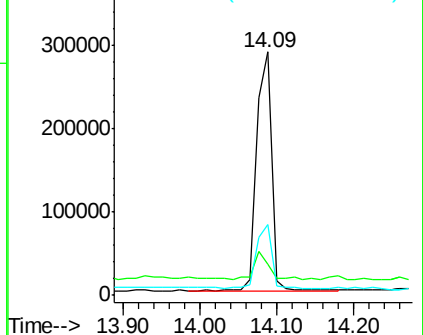
236 29.3 21.6 32.4



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

Pyrene

Concen: 64.29 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.05 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

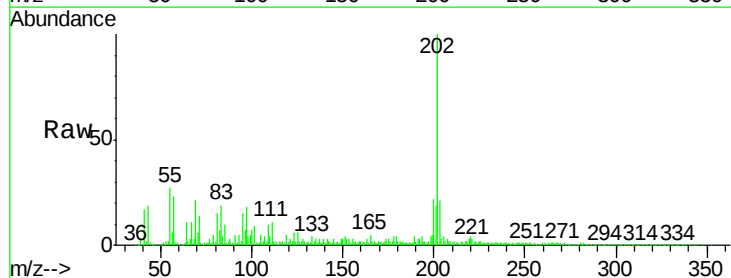
Tgt Ion:202 Resp: 1842741

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

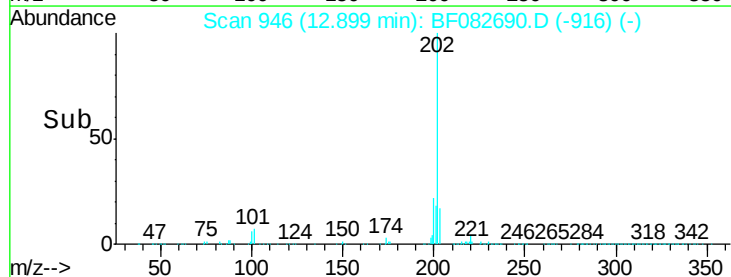
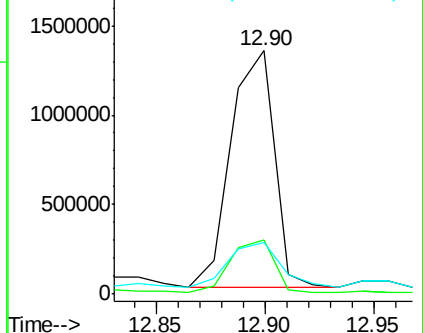
203 20.9 14.8 22.2

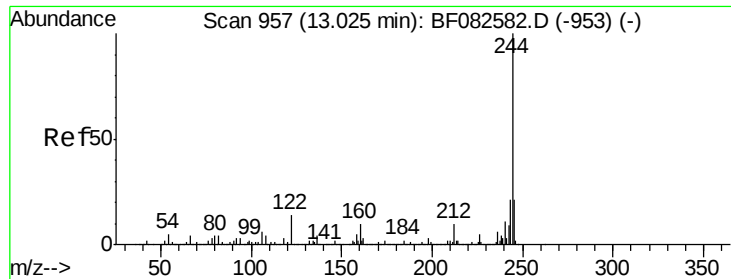


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.03 ng

RT: 13.03 min Scan# 957

Delta R.T. 0.02 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampleId :

TP-117(3)

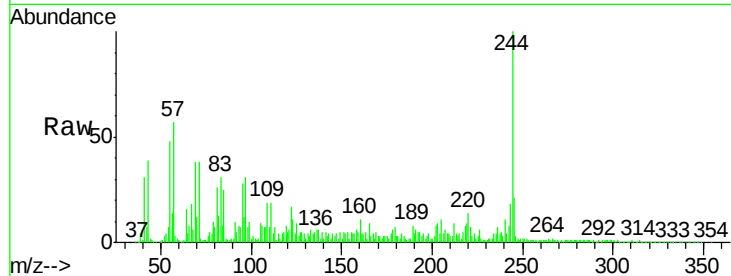
Tot Ion:244 Resp: 991086

Ion Ratio Lower Upper

244 100

212 8.9 7.6 11.4

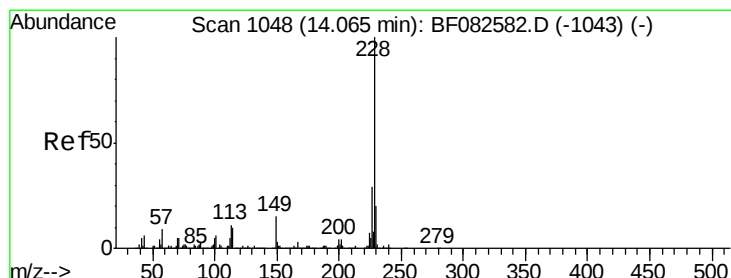
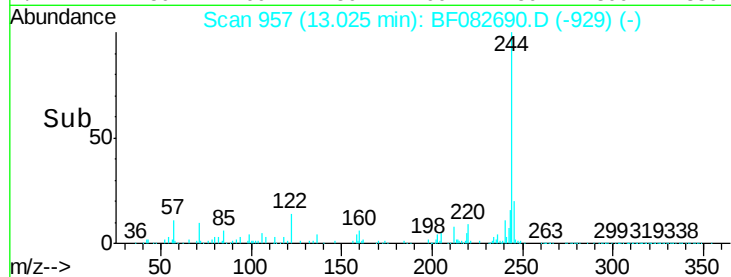
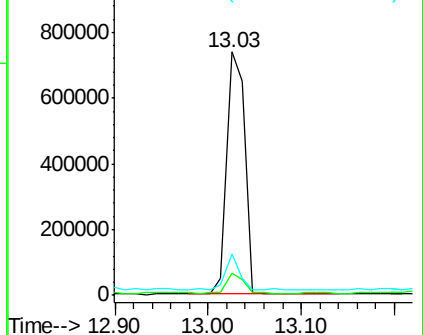
122 16.8 11.3 16.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 44.54 ng

RT: 14.08 min Scan# 1049

Delta R.T. 0.03 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

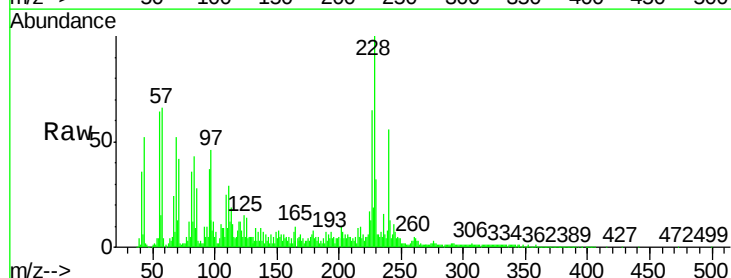
Tgt Ion:228 Resp: 1095095

Ion Ratio Lower Upper

228 100

226 65.2 23.4 35.2#

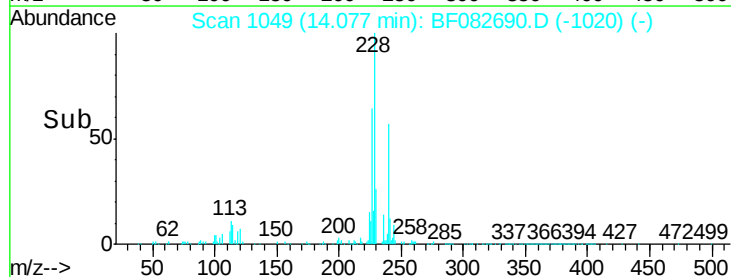
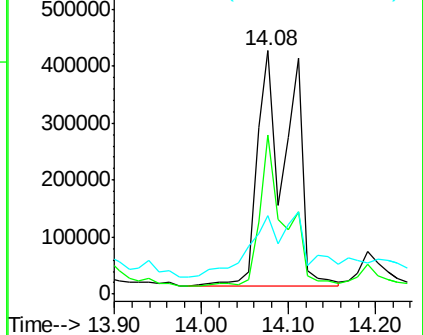
229 32.1 16.3 24.5#

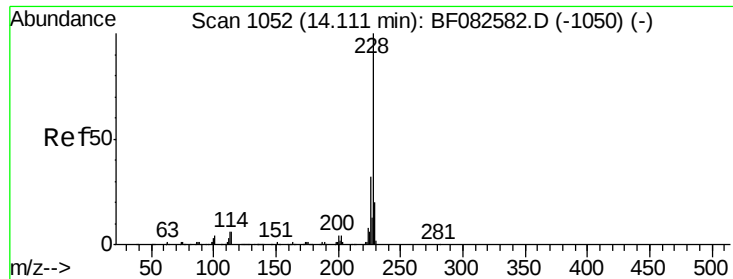


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 49.14 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

Instrument :

BNA_F

ClientSampled :

TP-117(3)

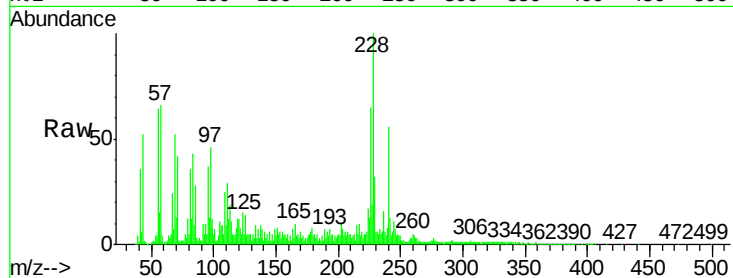
Tot Ion:228 Resp: 1095095

Ion Ratio Lower Upper

228 100

226 65.2 25.5 38.3#

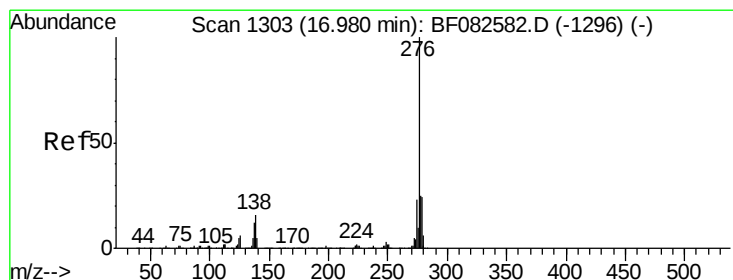
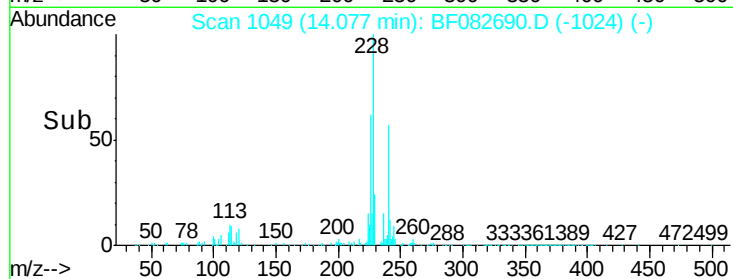
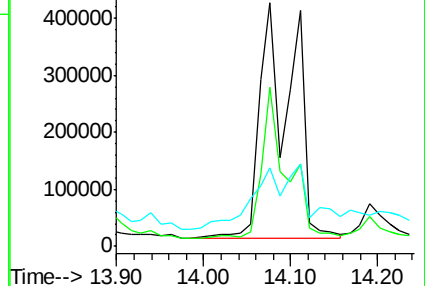
229 32.1 16.3 24.5#



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: 10.48 ng

RT: 16.97 min Scan# 1302

Delta R.T. 0.03 min

Lab File: BF082690.D

Acq: 4 Nov 2015 8:13

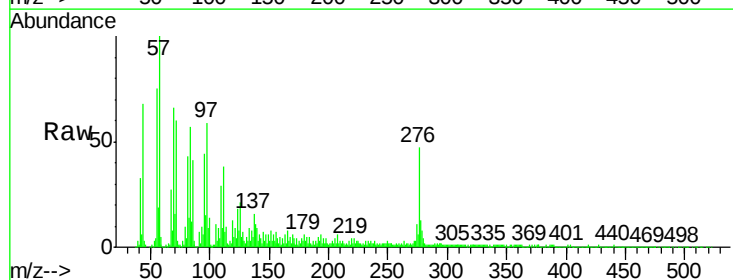
Tgt Ion:276 Resp: 192775

Ion Ratio Lower Upper

276 100

138 17.4 15.3 22.9

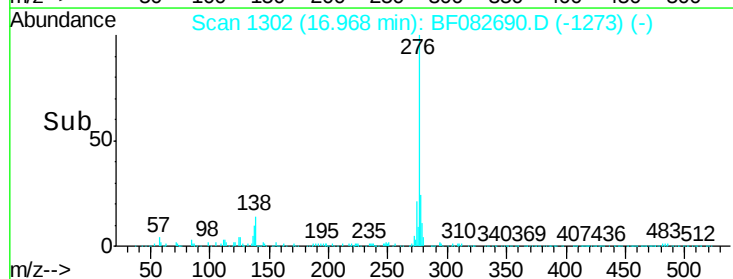
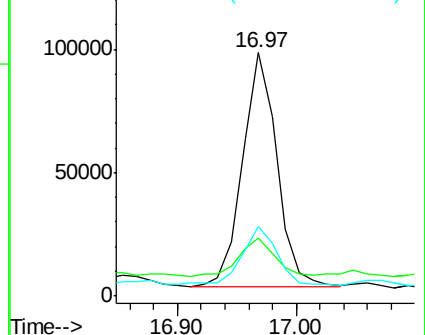
277 25.3 20.2 30.4

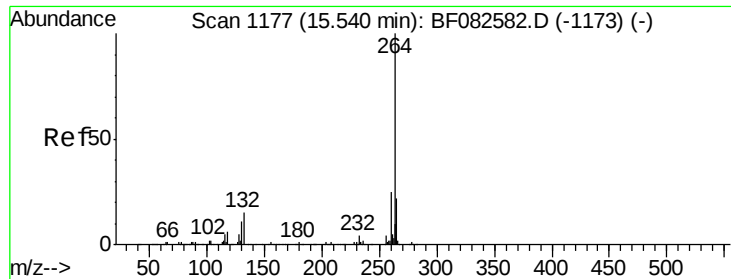


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

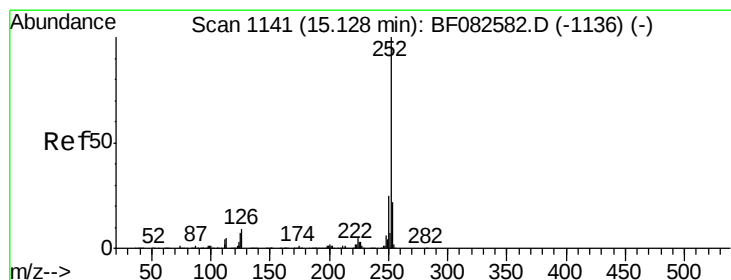
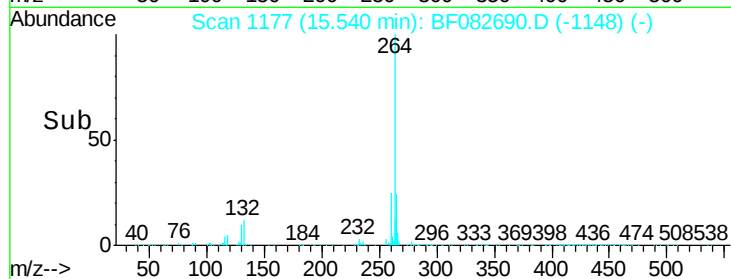
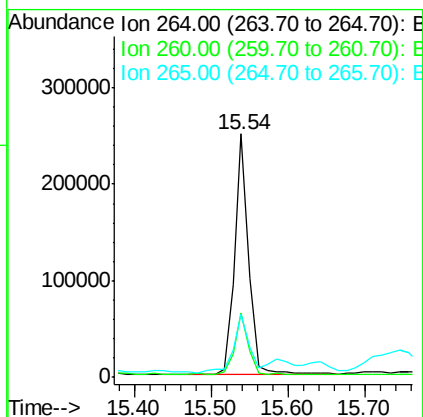
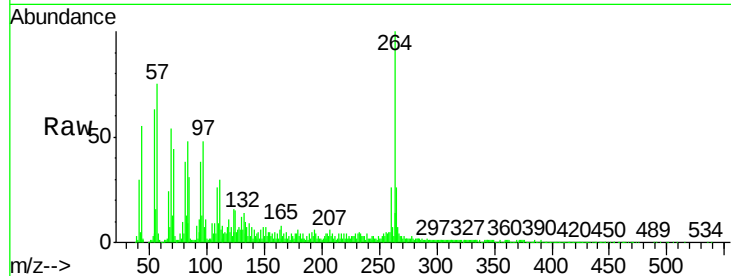




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.03 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

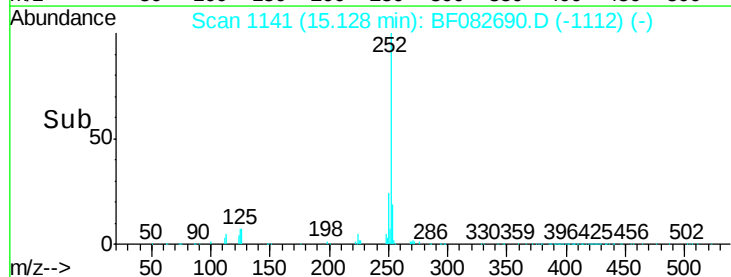
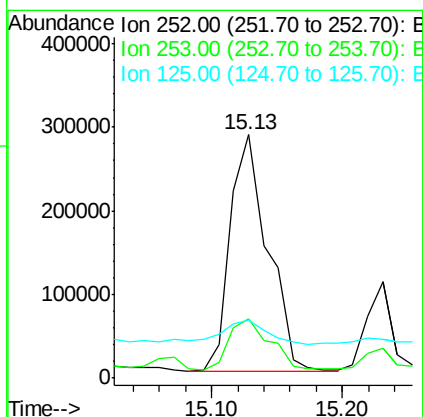
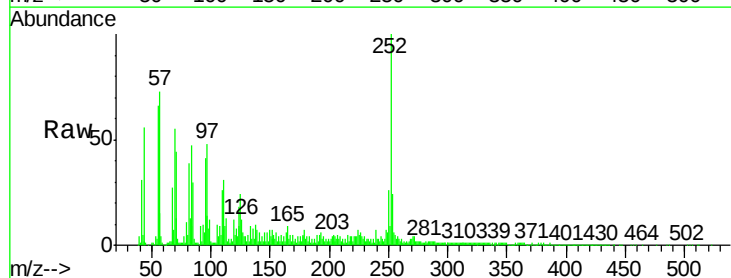
Instrument :
BNA_F
ClientSampleId :
TP-117(3)

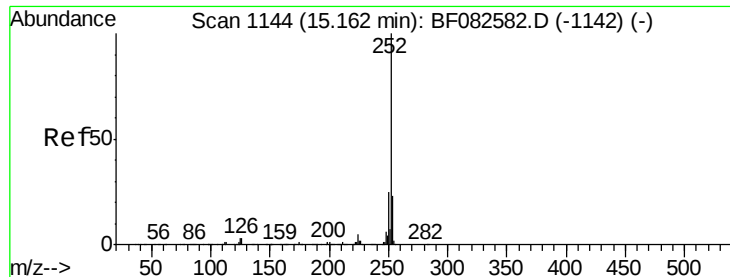
Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	19.8	29.6
265	26.0	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 25.40 ng
RT: 15.13 min Scan# 1141
Delta R.T. 0.03 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.8
125	23.7	5.4	8.2#

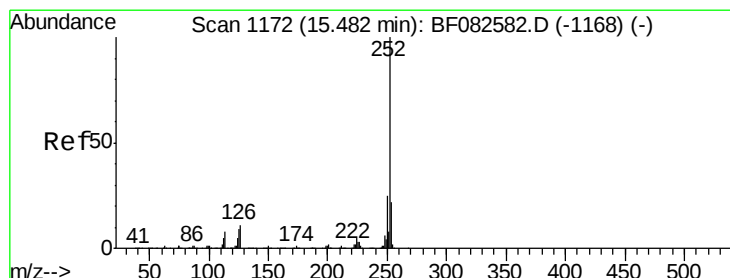
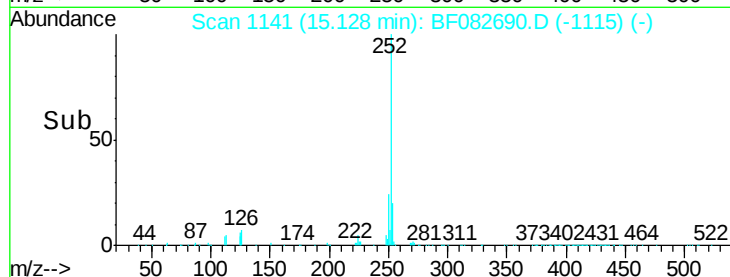
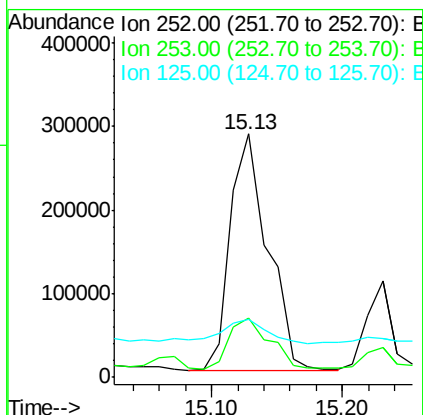
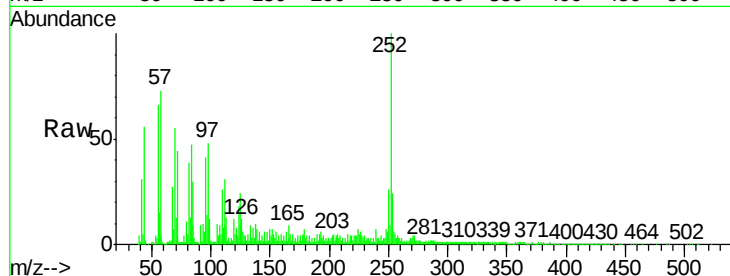




#88
Benzo(k)fluoranthene
Concen: 33.34 ng
RT: 15.13 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

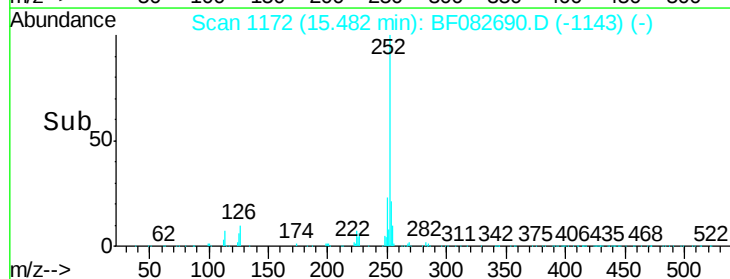
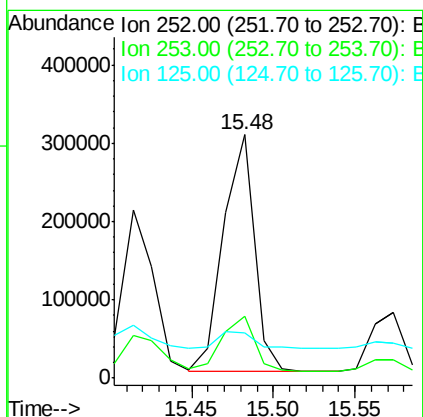
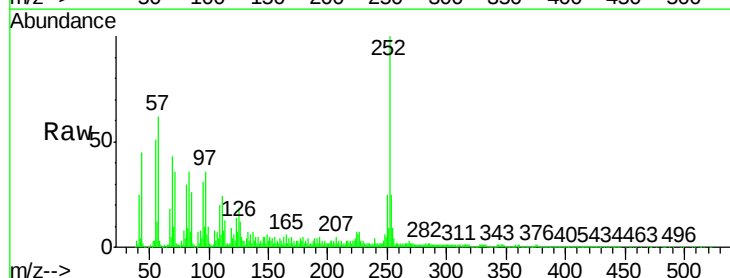
Instrument :
BNA_F
ClientSampleId :
TP-117(3)

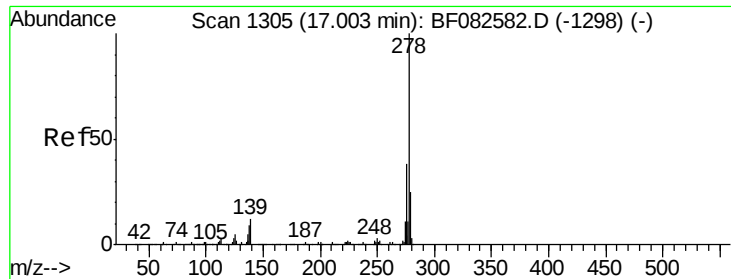
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	23.7	3.5	5.3#



#89
Benzo(a)pyrene
Concen: 22.61 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.03 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.3	25.9
125	18.7	7.1	10.7#



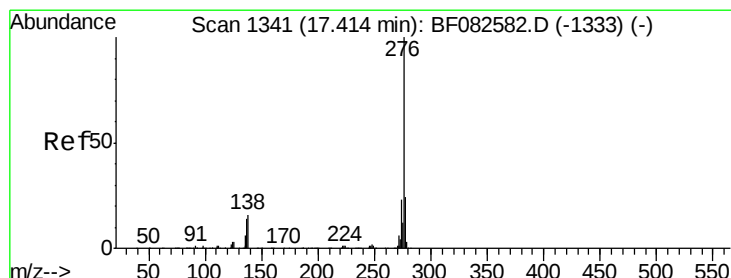
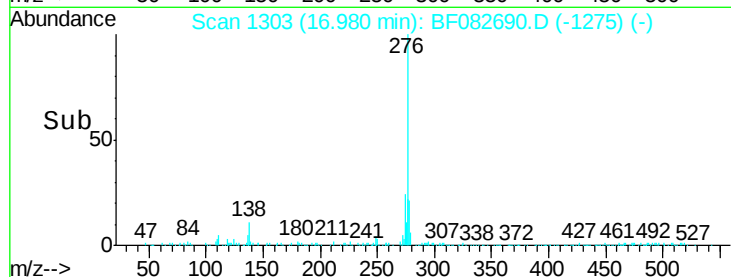
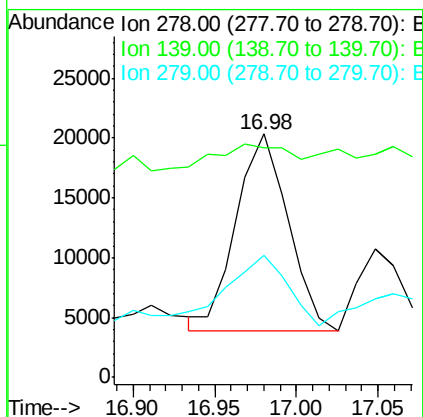
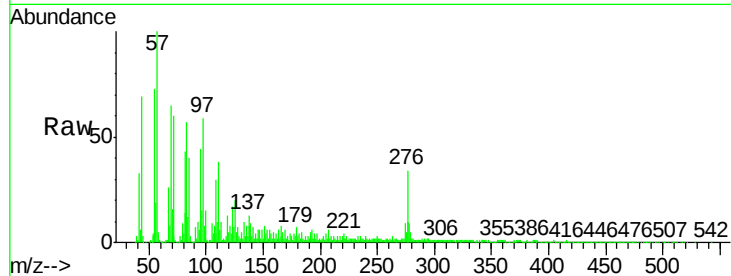


#90
Dibenzo(a,h)anthracene
Concen: 2.23 ng
RT: 16.98 min Scan# 1303
Delta R.T. 0.02 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Instrument :
BNA_F
ClientSampleId :
TP-117(3)

Tot Ion:278 Resp: 36655

Ion	Ratio	Lower	Upper
278	100		
139	94.0	9.9	14.9#
279	50.0	19.6	29.4#



#91
Benzo(g,h,i)perylene
Concen: 13.30 ng
RT: 17.40 min Scan# 1340
Delta R.T. 0.05 min
Lab File: BF082690.D
Acq: 4 Nov 2015 8:13

Tgt Ion:276 Resp: 211544

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.2	28.8
138	24.9	13.1	19.7#

