

Data Path : Z:\HPCHEM1\BNA F\Data\BF110415\
 Data File : BF082689.D
 Acq On : 4 Nov 2015 7:44
 Operator : UM/IZ
 Sample : G4241-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17(3)

Quant Time: Nov 04 09:59:49 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	6.88	152	155828	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	580743	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	233981	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	349096	20.00	ng	0.01
75) Chrysene-d12	14.07	240	385683	20.00	ng	0.01
86) Perylene-d12	15.53	264	378004	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1435344	138.73	ng	0.01
7) Phenol-d6	6.51	99	1669275	121.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	1356987	95.42	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	304920	119.08	ng	0.01
44) 2-Fluorobiphenyl	9.25	172	1543872	93.68	ng	0.00
78) Terphenyl-d14	13.02	244	1102465	62.56	ng	0.02

Target Compounds						Qvalue
9) Benzaldehyde	6.44	77	33508	3.57	ng	# 1
15) Benzyl Alcohol	7.04	79	44948	3.51	ng	# 58
18) Hexachloroethane	7.42	117	82024	16.60	ng	# 1
19) n-Nitroso-di-n-propylamine	7.32	70	48786	4.68	ng	# 57
22) Acetophenone	7.29	105	66259	3.88	ng	# 14
24) Nitrobenzene	7.42	77	52247	3.63	ng	# 44
25) Isophorone	7.70	82	100320	3.83	ng	# 1
31) Naphthalene	8.19	128	873092	27.78	ng	100
33) 4-Chloroaniline	8.19	127	140372	10.46	ng	# 36
35) Caprolactam	8.61	113	87866	30.65	ng	# 50
37) 2-Methylnaphthalene	8.89	142	323262	15.87	ng	# 96
45) 1,1'-Biophenyl	9.34	154	65228	3.30	ng	# 85
48) Acenaphthylene	9.79	152	346107	14.02	ng	# 90
49) Dimethylphthalate	9.64	163	339802	17.78	ng	# 96
50) 2,6-Dinitrotoluene	9.71	165	21257	5.37	ng	# 59
51) Acenaphthene	9.96	154	538525	34.37	ng	# 99
52) 3-Nitroaniline	9.86	138	11654	2.64	ng	# 15
53) 2,4-Dinitrophenol	10.00	184	4973	8.85	ng	# 1
54) Dibenzofuran	10.13	168	73398	3.45	ng	# 19
55) 4-Nitrophenol	10.04	139	27062	8.16	ng	# 1
56) 2,4-Dinitrotoluene	10.10	165	16860	3.15	ng	# 43
57) Fluorene	10.49	166	562894	32.82	ng	# 95
61) 4-Nitroaniline	10.49	138	9779	2.33	ng	# 64
64) 4,6-Dinitro-2-methylphenol	10.49	198	6429	3.05	ng	# 1
65) n-Nitrosodiphenylamine	10.60	169	466098	38.84	ng	# 91
70) Phenanthrene	11.46	178	1896927	96.34	ng	# 97
71) Anthracene	11.46	178	1896927	95.68	ng	# 96
72) Carbazole	11.65	167	52056	3.01	ng	# 29
73) Di-n-butylphthalate	11.98	149	47706	2.17	ng	# 23
74) Fluoranthene	12.67	202	917353	45.57	ng	# 96
77) Pyrene	12.88	202	1718967	60.19	ng	# 96
80) Benzo(a)anthracene	14.07	228	1043127	42.58	ng	# 38
82) Chrysene	14.07	228	1043127	46.98	ng	# 41
85) Indeno(1,2,3-cd)pyrene	16.96	276	228925	12.49	ng	# 97

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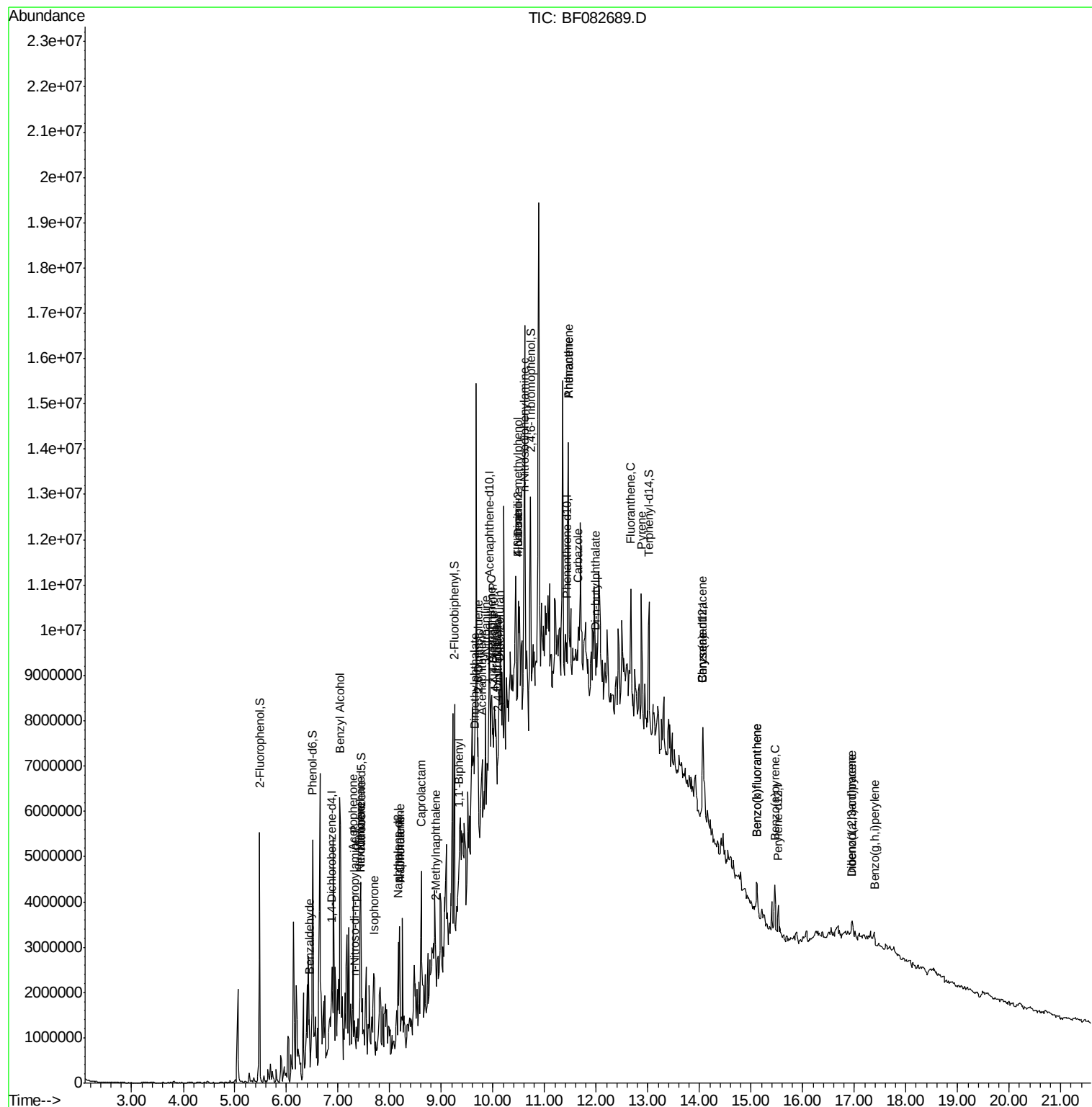
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	15.11	252	621390	23.84	ng	# 86
88) Benzo(k)fluoranthene	15.11	252	621390	31.29	ng	# 87
89) Benzo(a)pyrene	15.46	252	460430	22.43	ng	# 83
90) Dibenzo(a,h)anthracene	16.96	278	41996	2.19	ng	# 9
91) Benzo(g,h,i)perylene	17.39	276	266153	14.34	ng	# 95

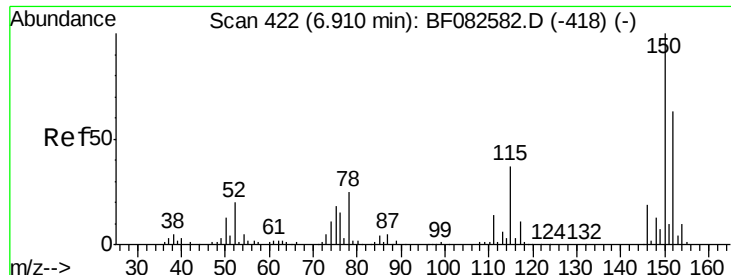
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

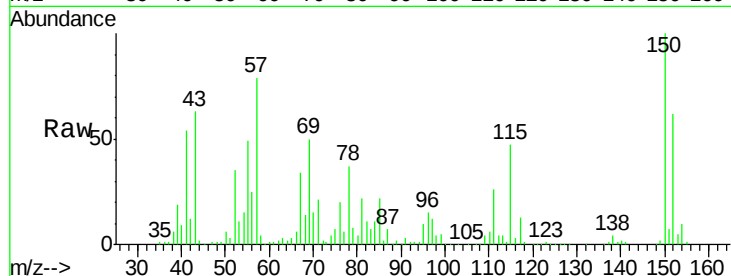
Tot Ion:152 Resp: 155828

Ion Ratio Lower Upper

152 100

150 160.4 127.0 190.4

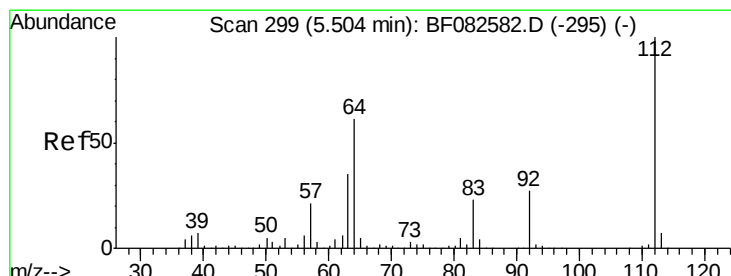
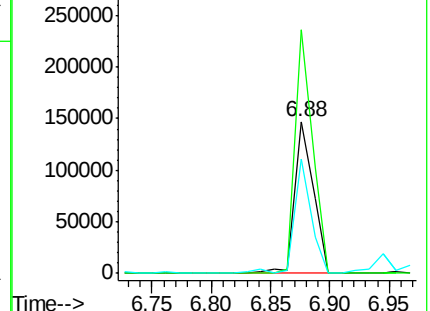
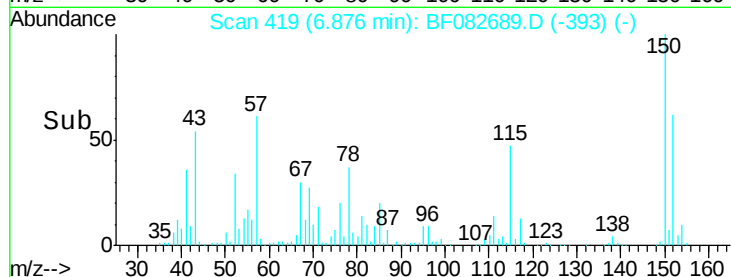
115 75.6 47.0 70.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 138.73 ng

RT: 5.48 min Scan# 297

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

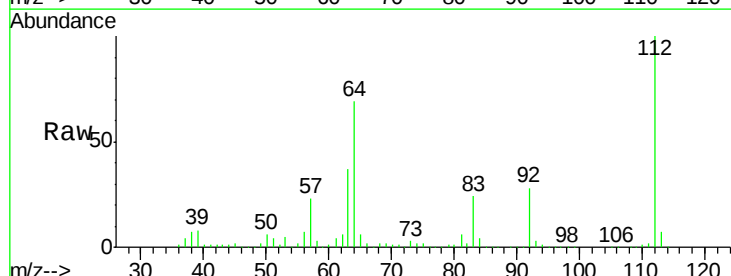
Tgt Ion:112 Resp: 1435344

Ion Ratio Lower Upper

112 100

64 68.6 48.9 73.3

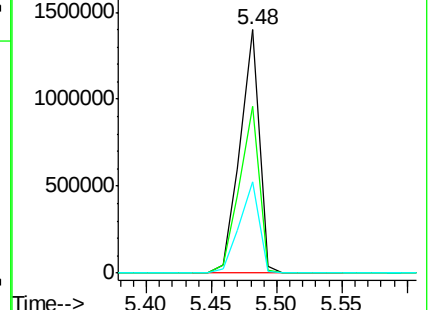
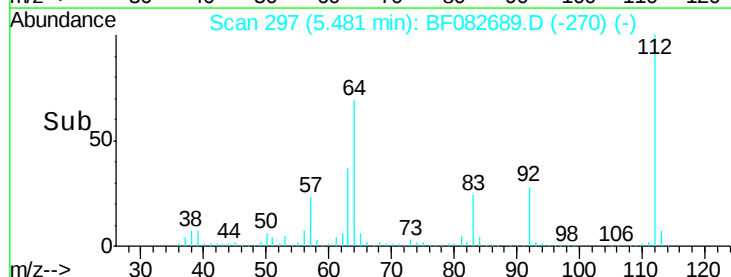
63 37.3 28.1 42.1

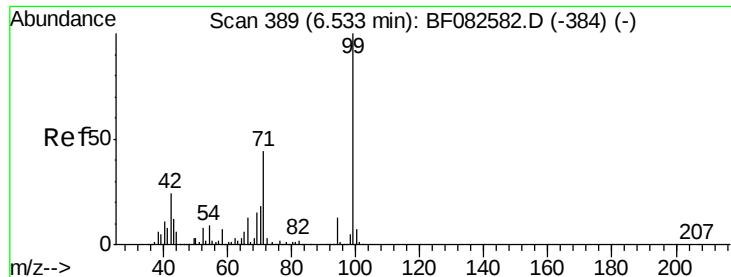


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.45 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

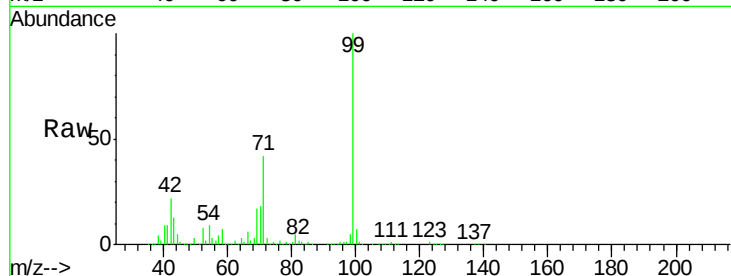
Tot Ion: 99 Resp: 1669275

Ion Ratio Lower Upper

99 100

42 22.4 19.2 28.8

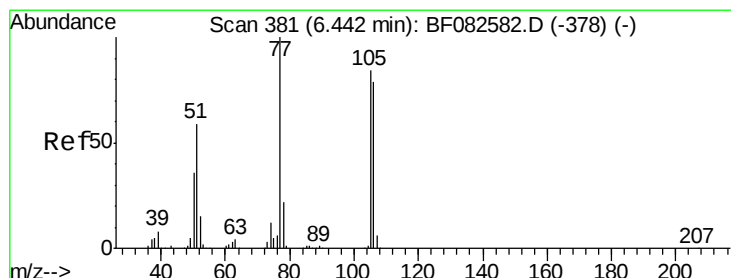
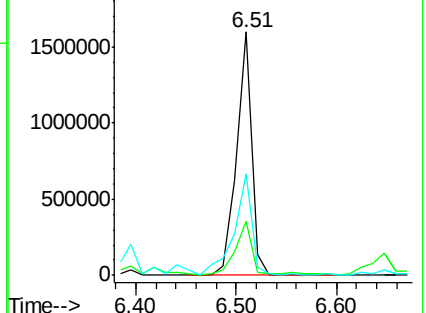
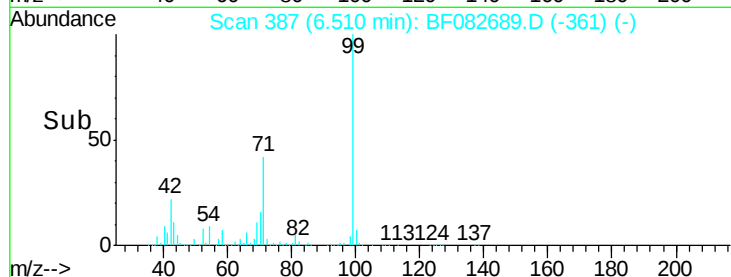
71 41.9 35.0 52.4



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



#9

Benzaldehyde

Concen: 3.57 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

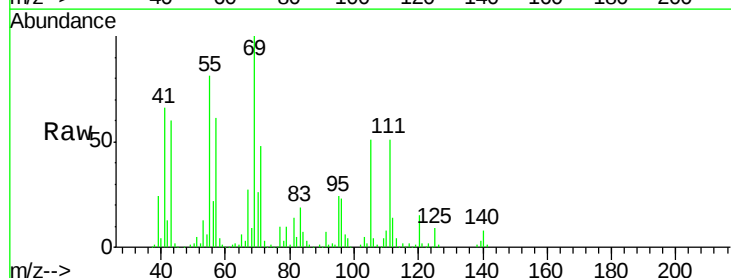
Tgt Ion: 77 Resp: 33508

Ion Ratio Lower Upper

77 100

105 508.8 63.5 103.5#

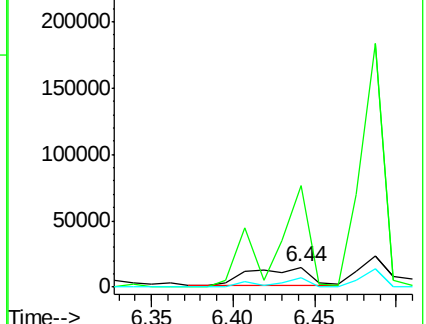
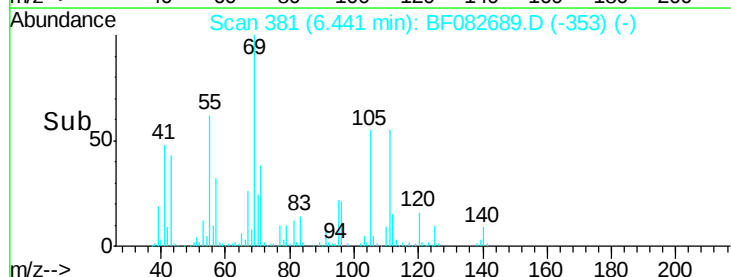
106 44.1 59.3 99.3#

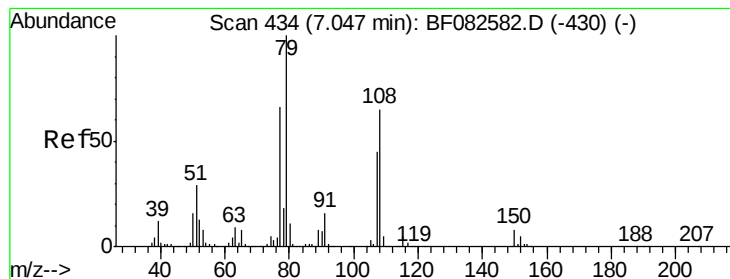


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.51 ng

RT: 7.04 min Scan# 433

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleID :

TP-17(3)

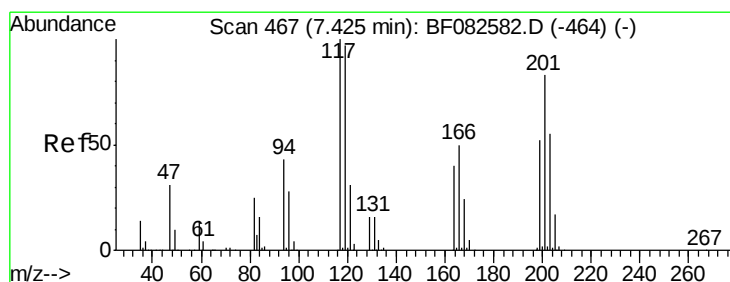
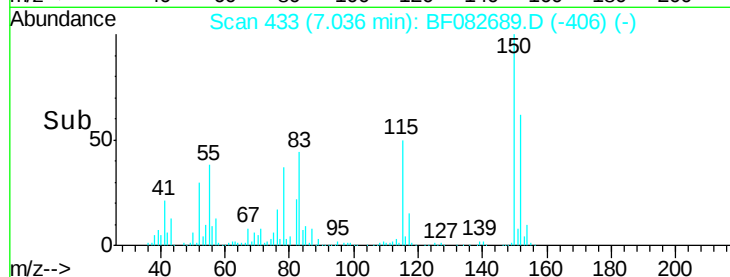
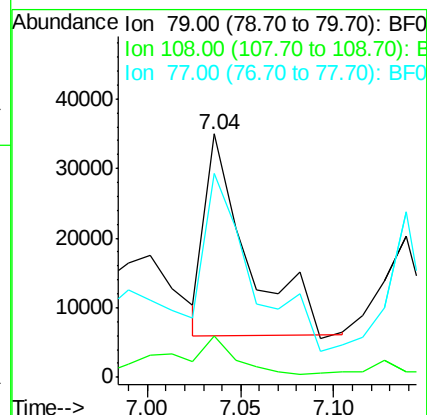
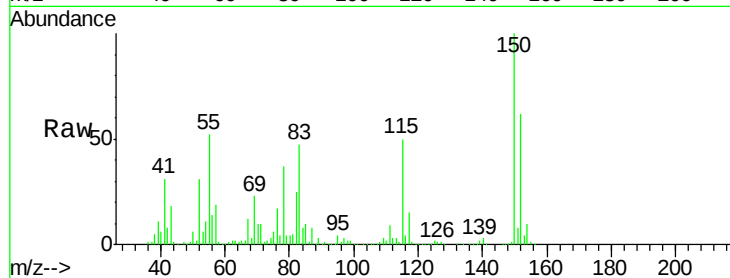
Tot Ion: 79 Resp: 44948

Ion Ratio Lower Upper

79 100

108 17.1 52.2 78.4#

77 83.7 52.7 79.1#



#18

Hexachloroethane

Concen: 16.60 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

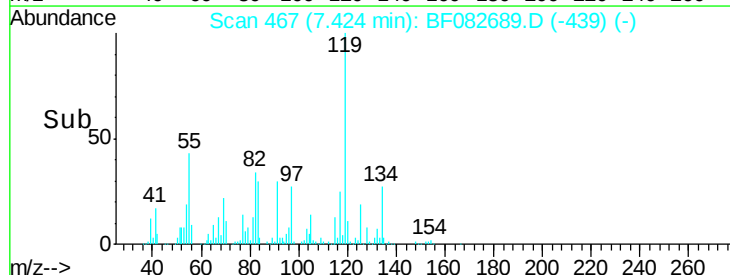
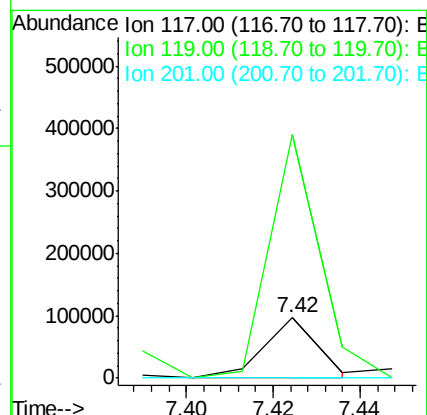
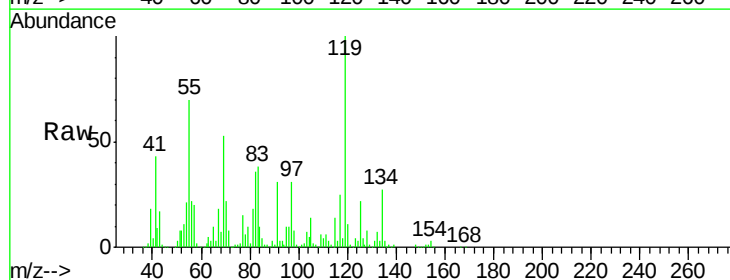
Tgt Ion: 117 Resp: 82024

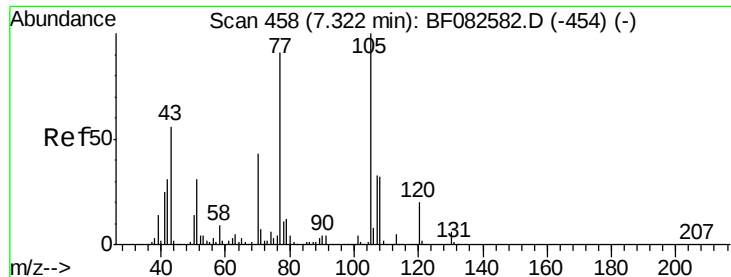
Ion Ratio Lower Upper

117 100

119 402.7 77.7 116.5#

201 0.0 66.7 100.1#

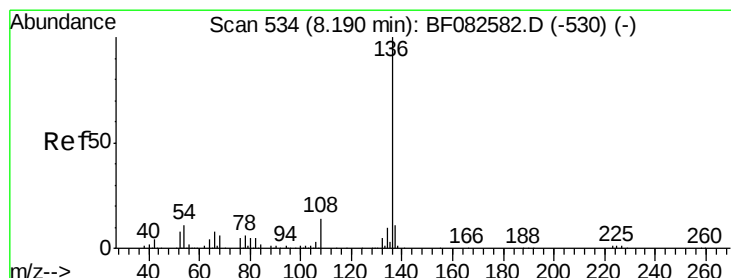
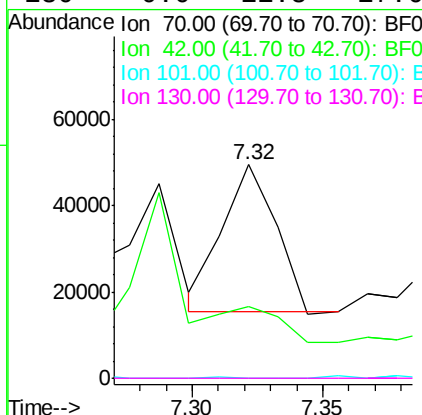
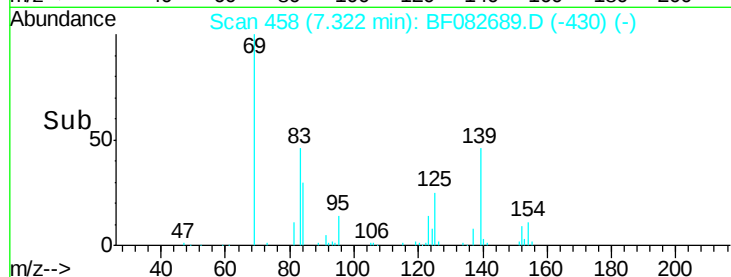
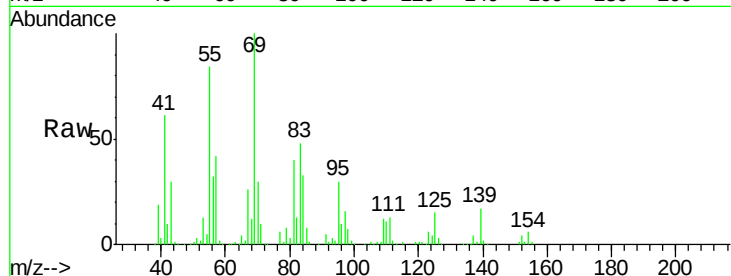




#19
n-Nitroso-di-n-propylamine
Concen: 4.68 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.02 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

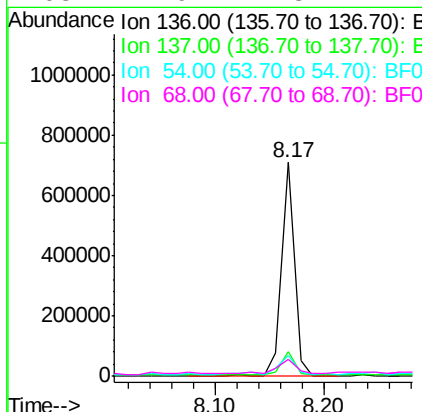
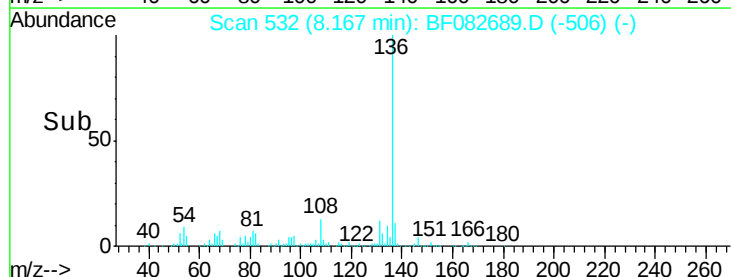
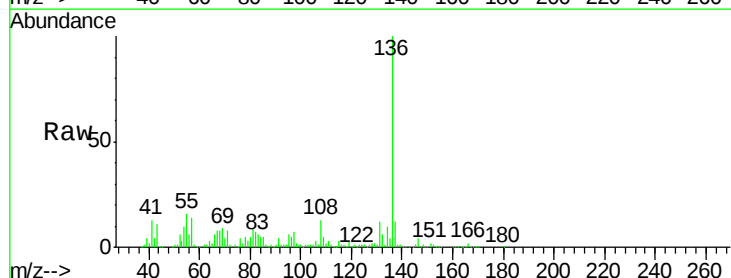
Instrument :
BNA_F
ClientSampleId :
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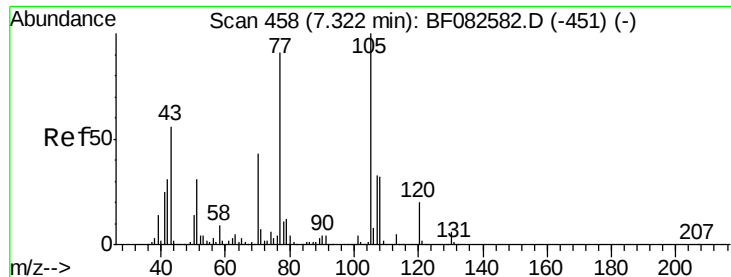
Tot Ion: 70 Resp: 48786
Ion Ratio Lower Upper
70 100
42 33.4 57.7 86.5#
101 0.0 7.0 10.6#
130 0.0 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Tgt Ion: 136 Resp: 580743
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 9.8 9.1 13.7
68 7.9 4.8 7.2#





#22

Acetophenone

Concen: 3.88 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampled :

TP-17(3)

Tot Ion:105 Resp: 66259

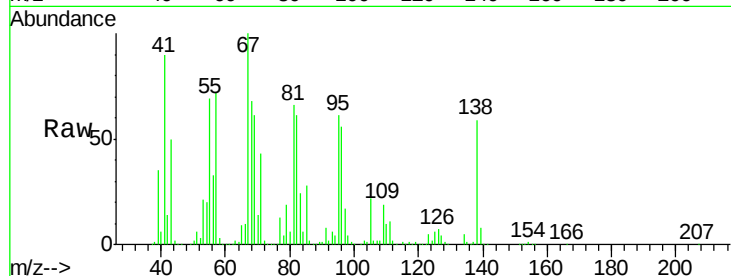
Ion Ratio Lower Upper

105 100

71 201.6 5.6 8.4#

51 27.5 24.9 37.3

120 1.2 15.8 23.8#

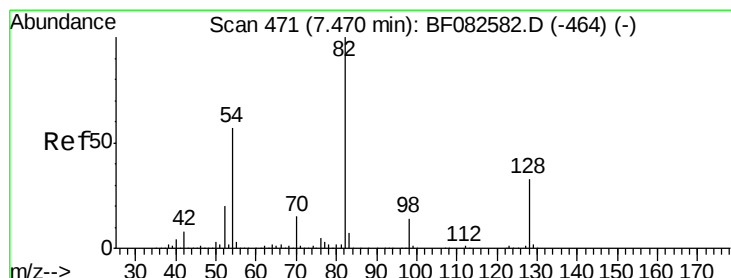
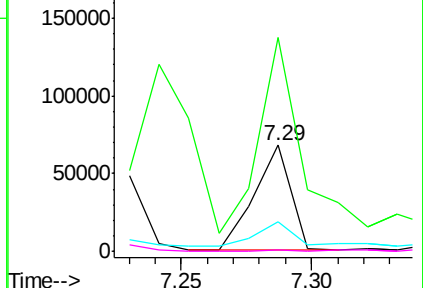
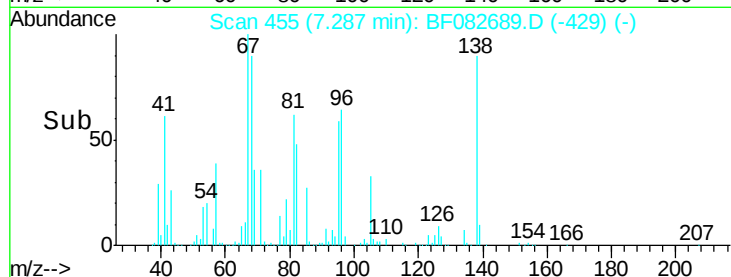


Abundance Ion 105.00 (104.70 to 105.70): E

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: 95.42 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

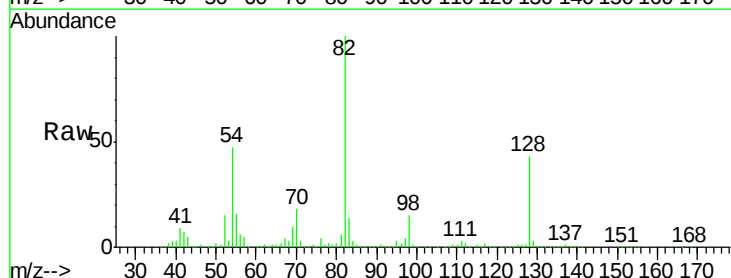
Tgt Ion: 82 Resp: 1356987

Ion Ratio Lower Upper

82 100

128 42.8 26.8 40.2#

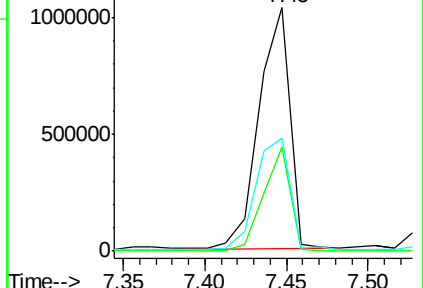
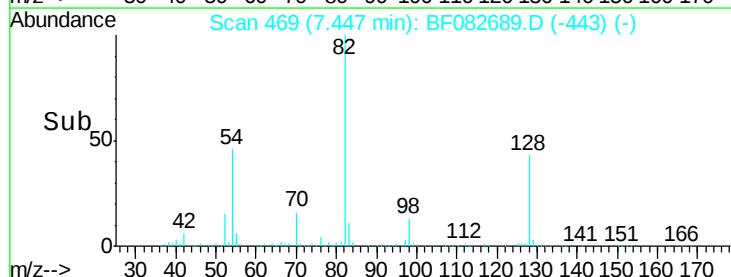
54 46.6 45.7 68.5

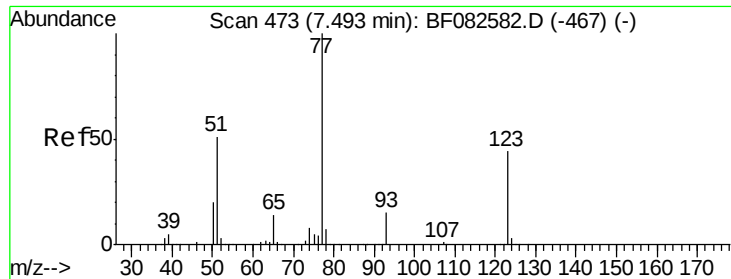


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 3.63 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.03 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

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ClientSampleId :

TP-17(3)

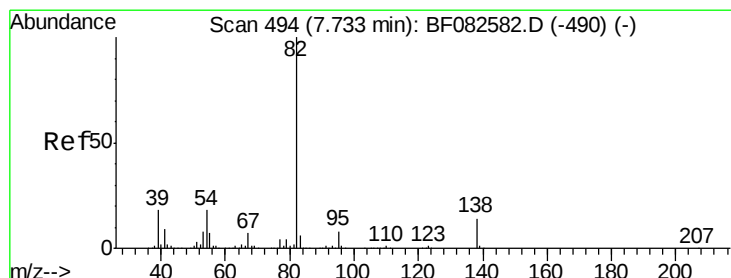
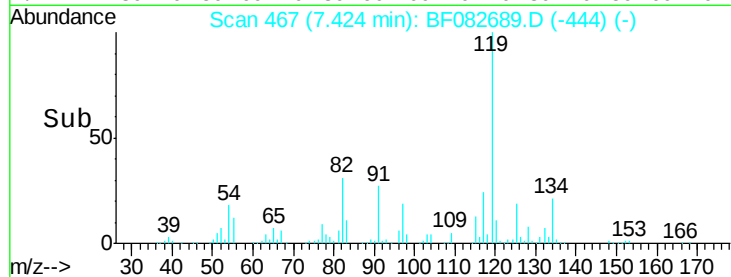
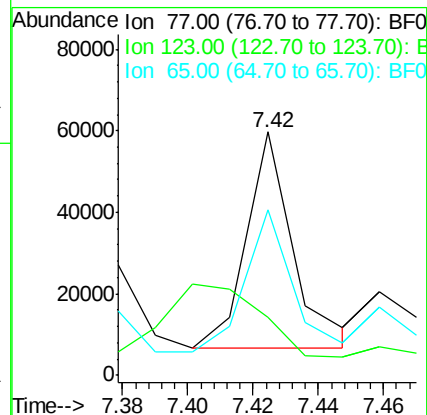
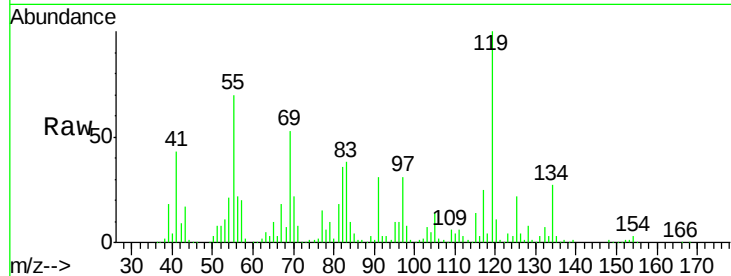
Tot Ion: 77 Resp: 52247

Ion Ratio Lower Upper

77 100

123 24.0 36.4 54.6#

65 68.0 11.5 17.3#



#25

Isophorone

Concen: 3.83 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

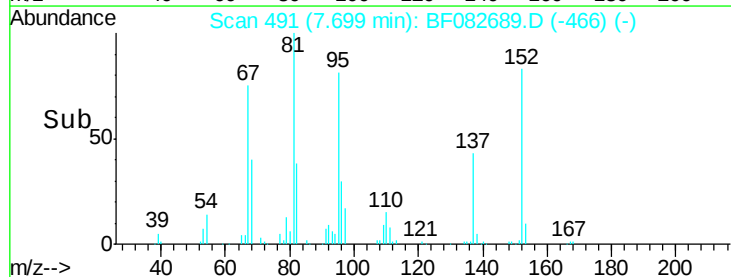
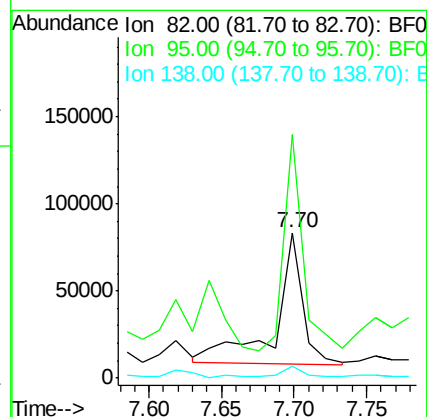
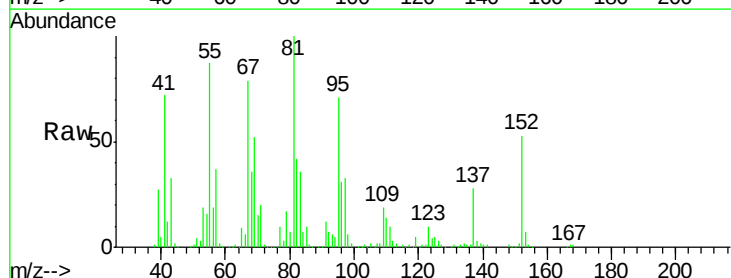
Tgt Ion: 82 Resp: 100320

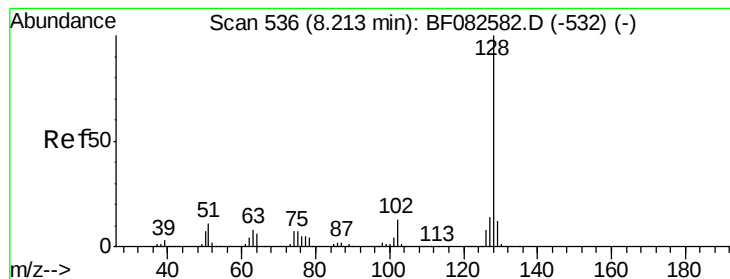
Ion Ratio Lower Upper

82 100

95 167.1 6.6 9.8#

138 7.9 11.4 17.0#





#31

Naphthalene

Concen: 27.78 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

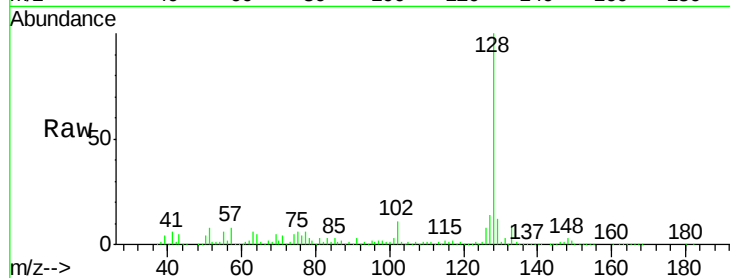
Tot Ion:128 Resp: 873092

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

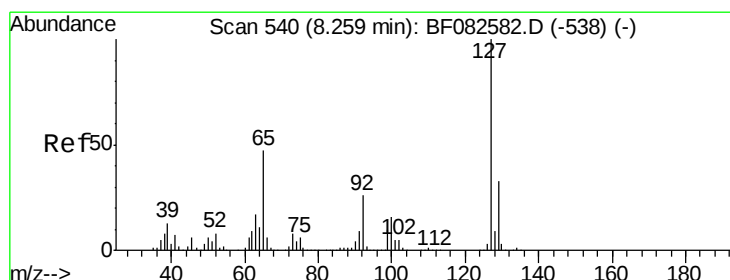
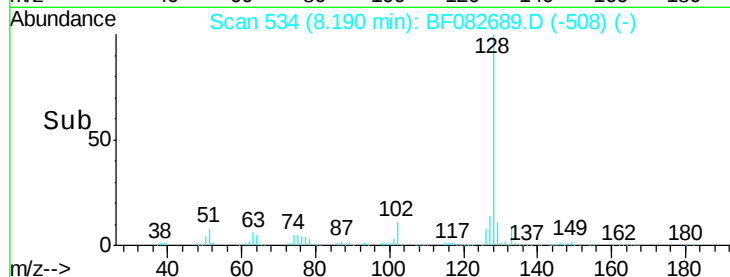
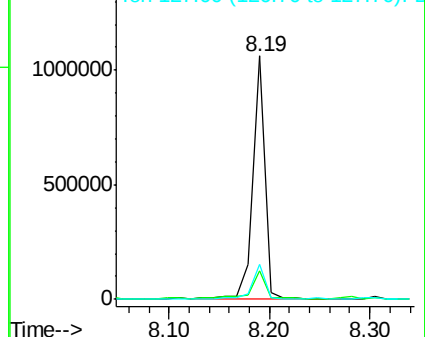
127 14.2 11.4 17.0



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: 10.46 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.05 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Tgt Ion:127 Resp: 140372

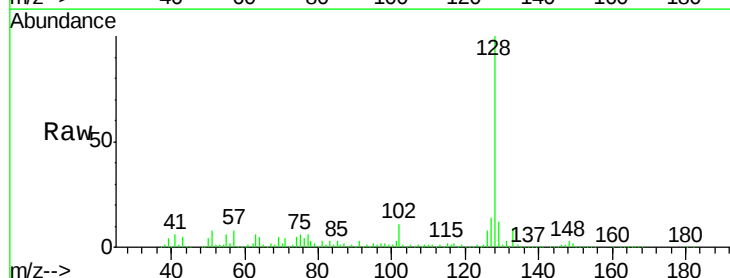
Ion Ratio Lower Upper

127 100

129 81.2 26.3 39.5#

65 8.5 37.8 56.8#

92 2.6 20.6 31.0#

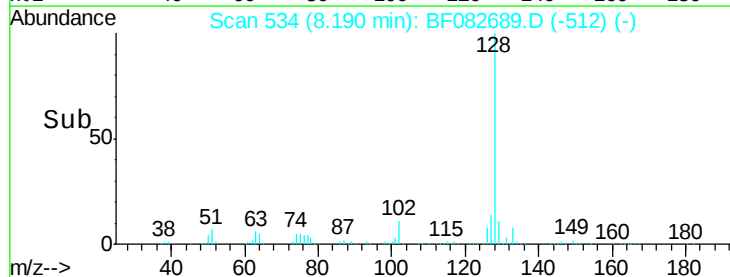
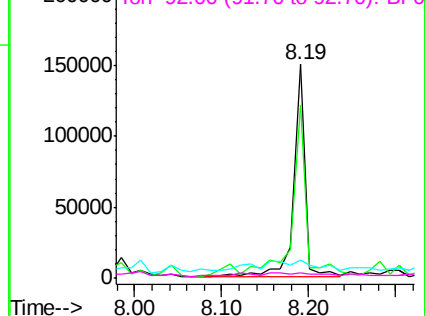


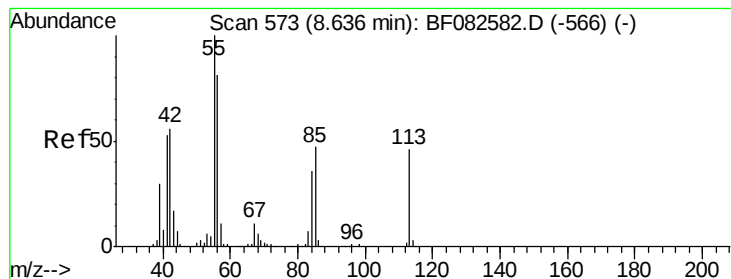
Abundance Ion 127.00 (126.70 to 127.70): E

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: 30.65 ng

RT: 8.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

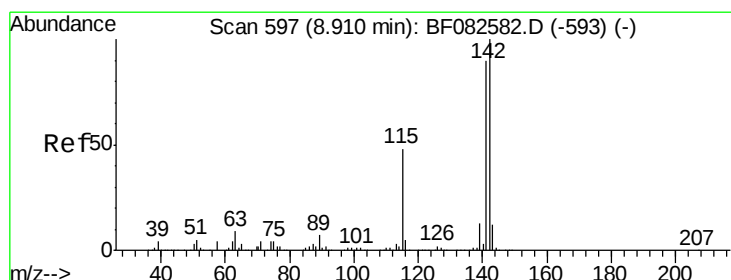
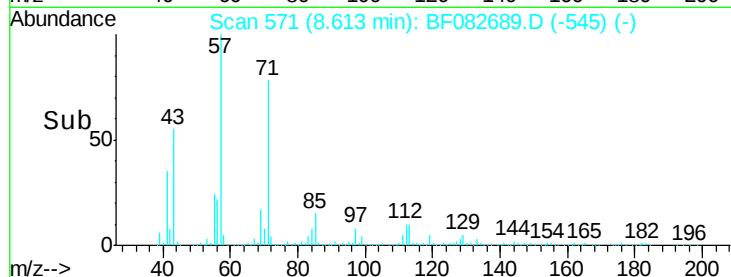
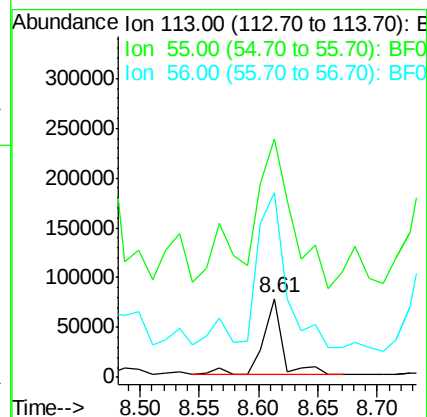
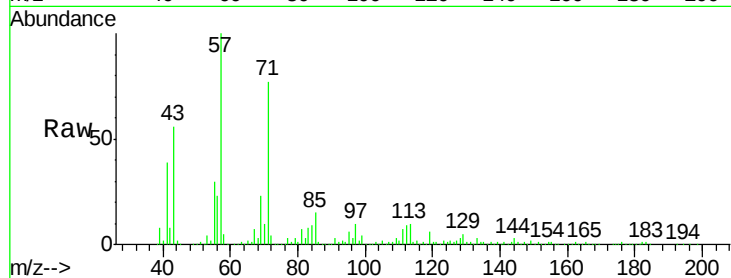
Tot Ion:113 Resp: 87866

Ion Ratio Lower Upper

113 100

55 303.1 195.5 235.5#

56 235.0 153.5 193.5#



#37

2-Methylnaphthalene

Concen: 15.87 ng

RT: 8.89 min Scan# 595

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

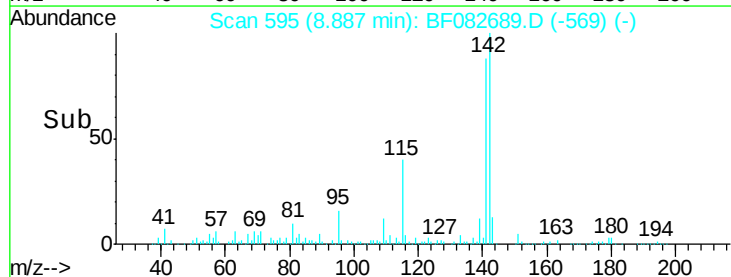
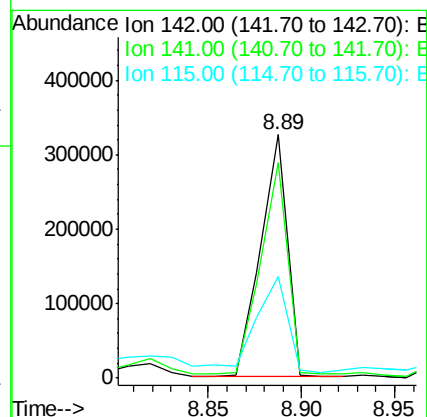
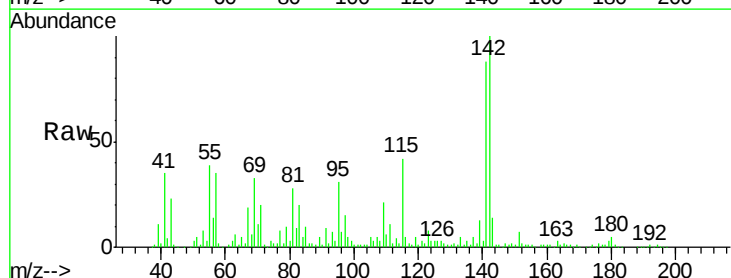
Tgt Ion:142 Resp: 323262

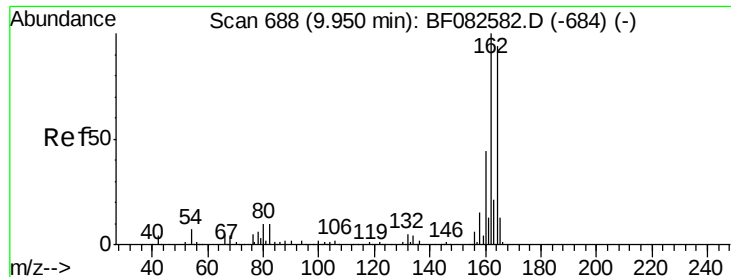
Ion Ratio Lower Upper

142 100

141 88.4 72.3 108.5

115 41.6 38.1 57.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

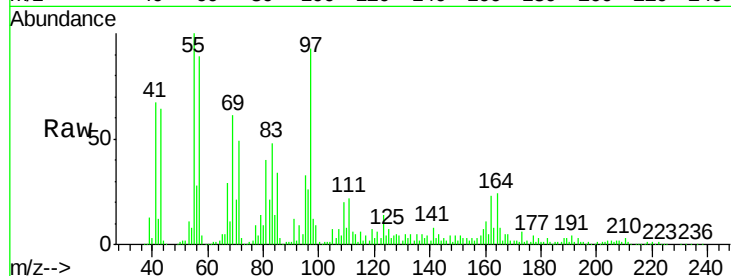
Tot Ion:164 Resp: 233981

Ion Ratio Lower Upper

164 100

162 98.9 84.9 127.3

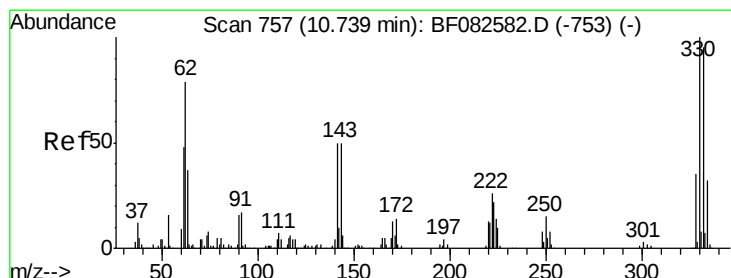
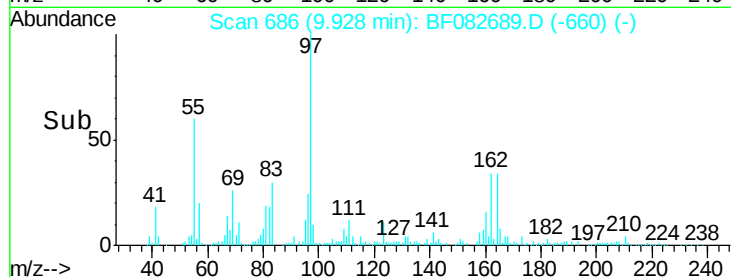
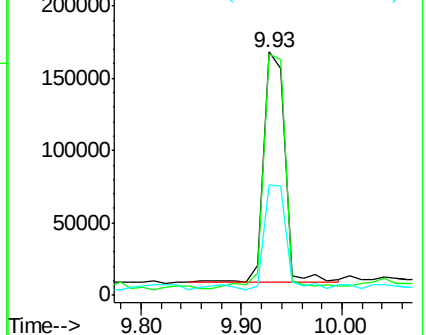
160 45.4 37.5 56.3



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: 119.08 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

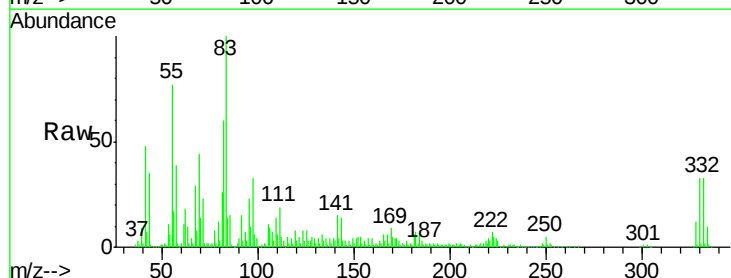
Tgt Ion:330 Resp: 304920

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

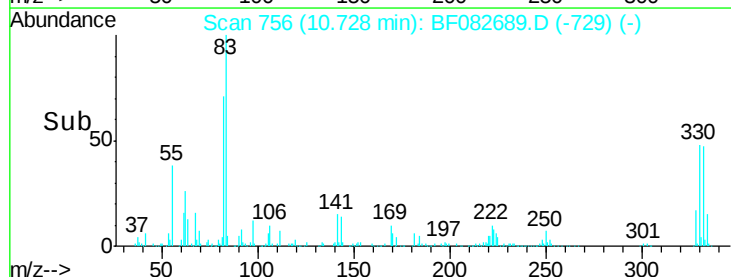
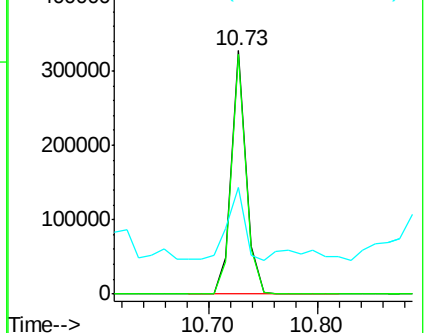
141 35.3 41.2 61.8#

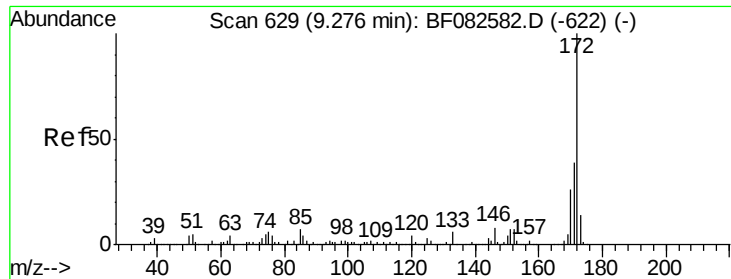


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

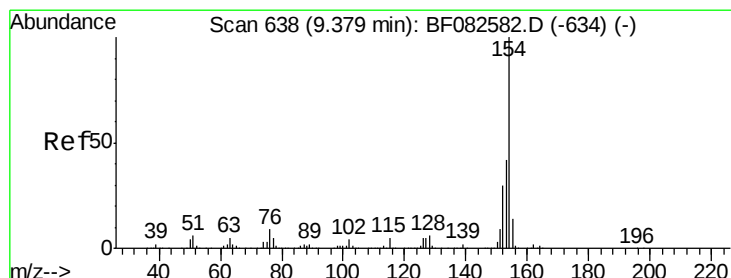
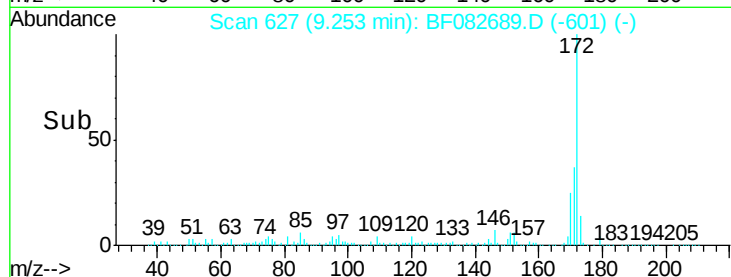
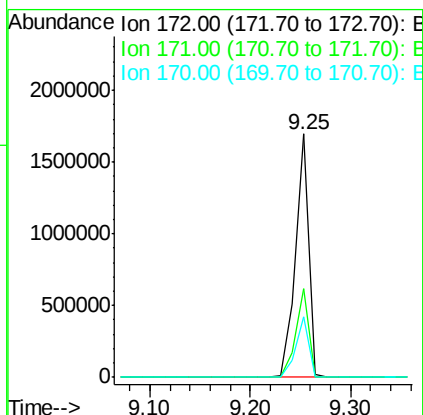
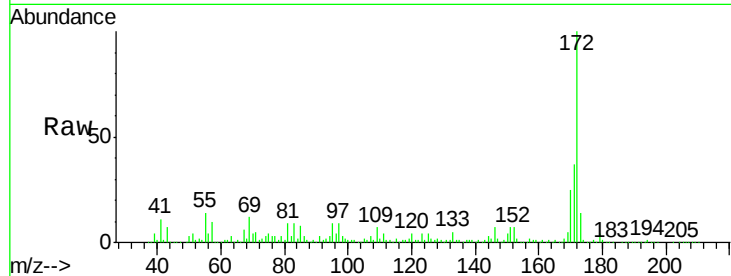




#44
2-Fluorobiphenyl
Concen: 93.68 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.00 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

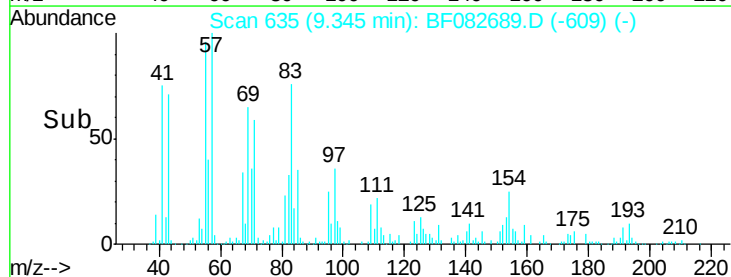
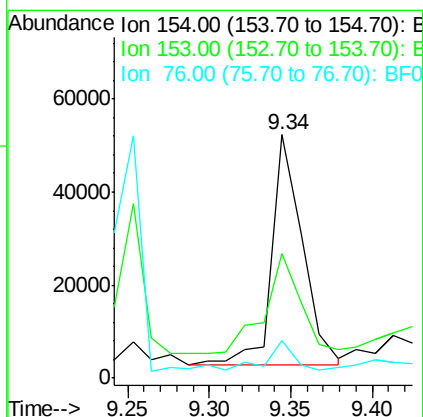
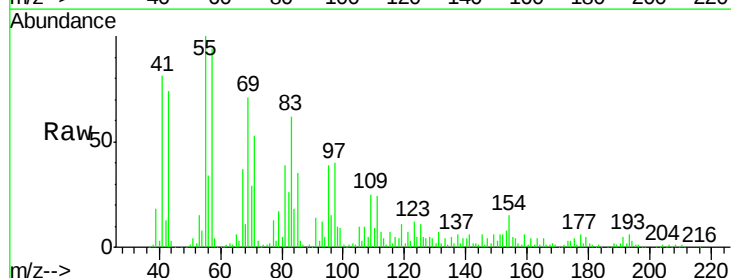
Instrument :
BNA_F
ClientSampleId :
TP-17(3)

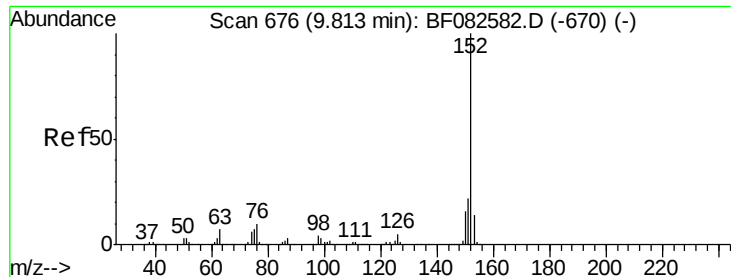
Tot Ion:172 Resp: 1543872
Ion Ratio Lower Upper
172 100
171 36.5 30.8 46.2
170 24.9 21.2 31.8



#45
1,1'-Biphenyl
Concen: 3.30 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.00 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Tgt Ion:154 Resp: 65228
Ion Ratio Lower Upper
154 100
153 51.0 22.0 62.0
76 15.4 0.0 29.0





#48

Acenaphthylene

Concen: 14.02 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

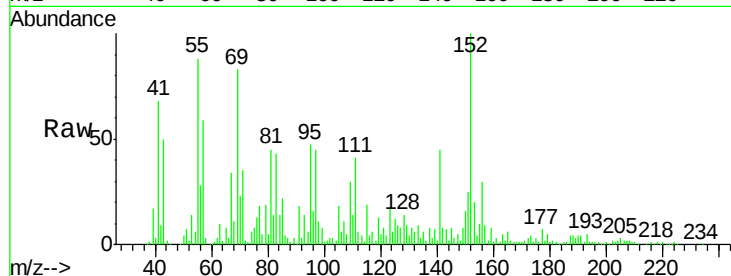
Tot Ion:152 Resp: 346107

Ion Ratio Lower Upper

152 100

151 25.1 17.3 25.9

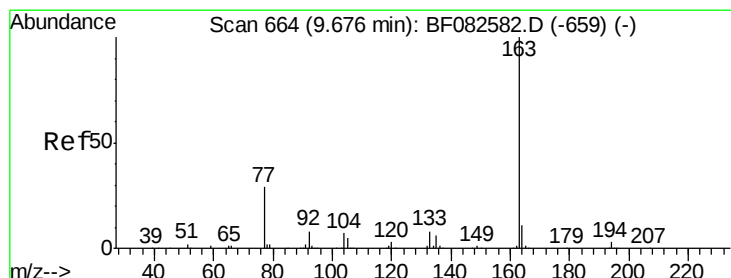
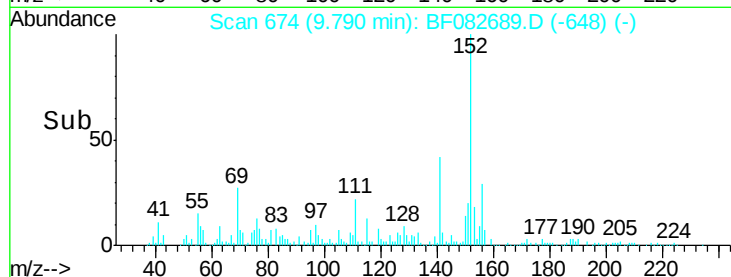
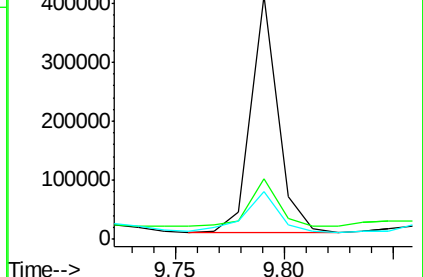
153 19.6 11.3 16.9#



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: 17.78 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

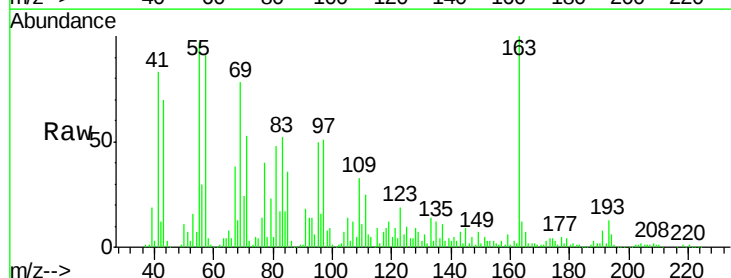
Tgt Ion:163 Resp: 339802

Ion Ratio Lower Upper

163 100

194 5.8 2.6 4.0#

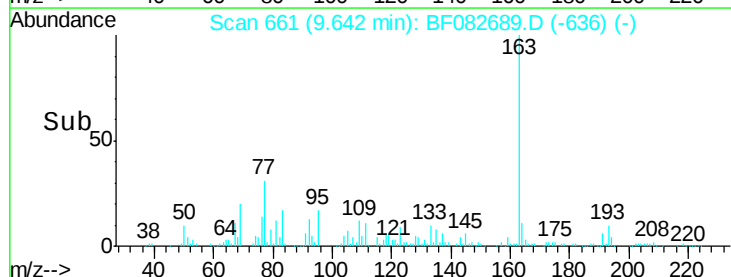
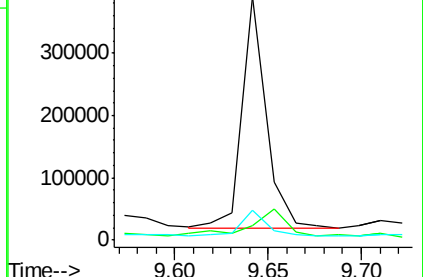
164 12.1 8.7 13.1

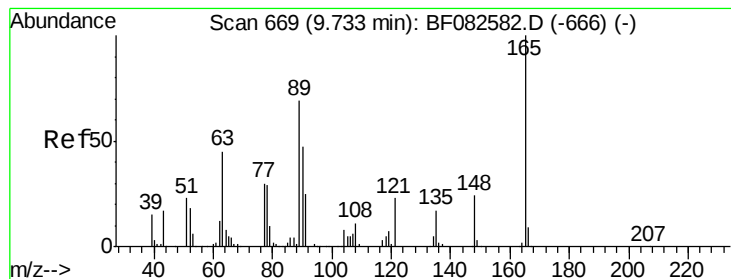


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 5.37 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

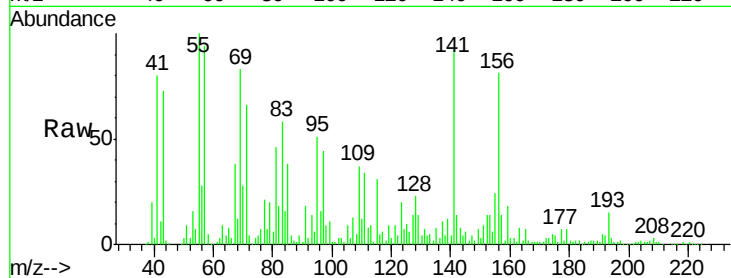
Tot Ion:165 Resp: 21257

Ion Ratio Lower Upper

165 100

63 126.9 55.5 83.3#

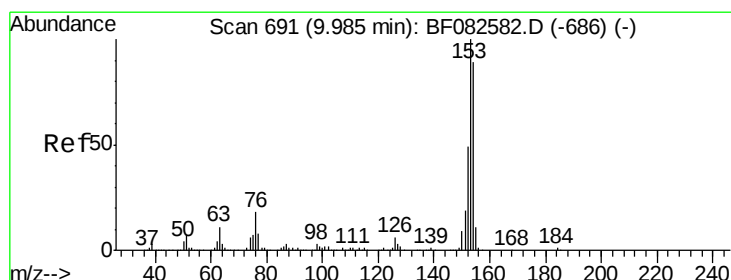
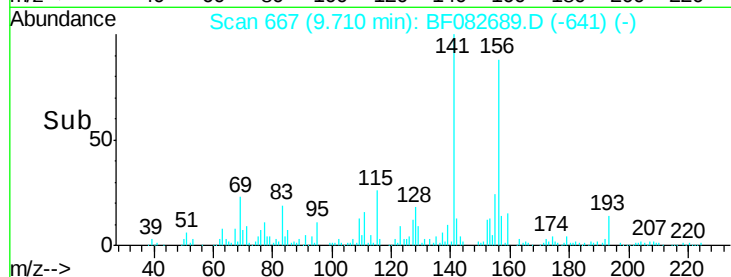
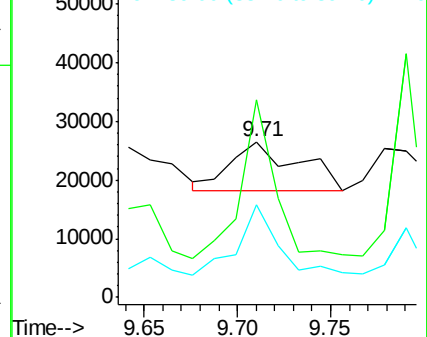
89 59.2 55.0 82.6



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: 34.37 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

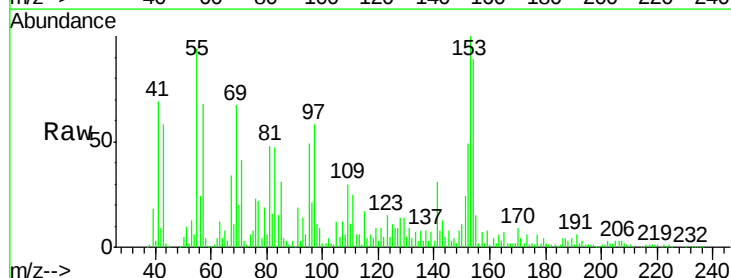
Tgt Ion:154 Resp: 538525

Ion Ratio Lower Upper

154 100

153 111.8 90.1 135.1

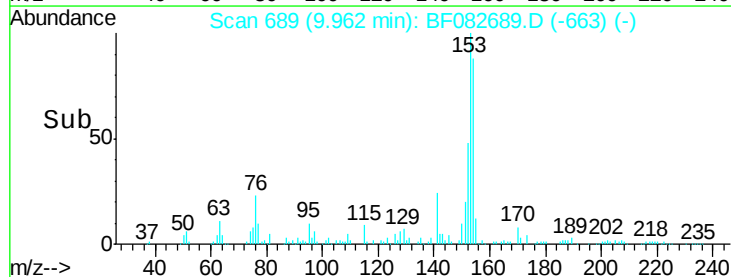
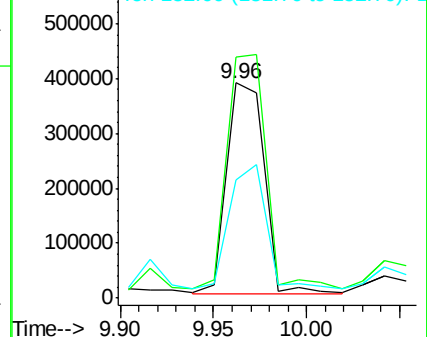
152 55.2 44.3 66.5

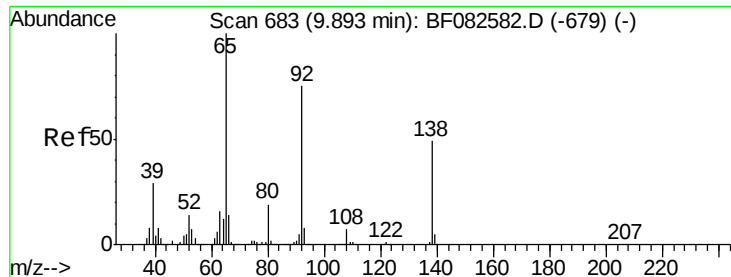


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 2.64 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

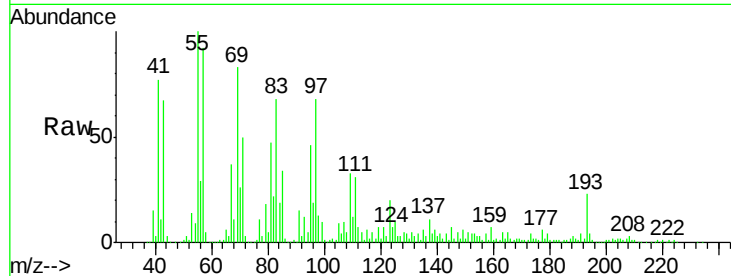
Tot Ion:138 Resp: 11654

Ion Ratio Lower Upper

138 100

108 125.7 11.3 16.9#

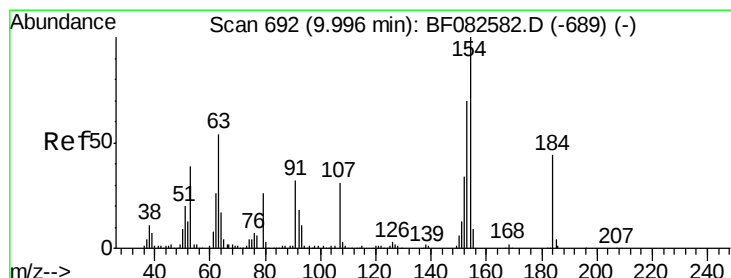
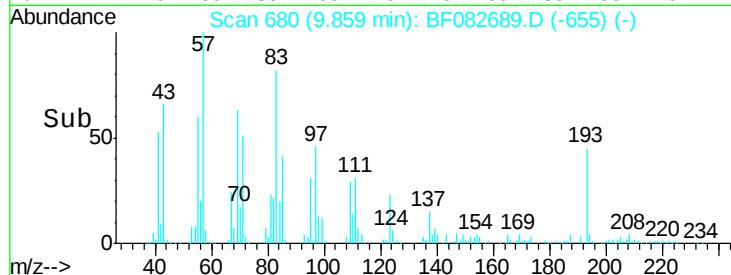
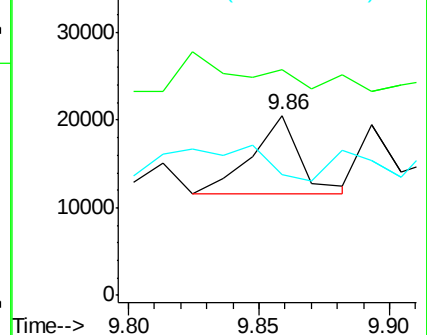
92 66.8 122.4 183.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 8.85 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

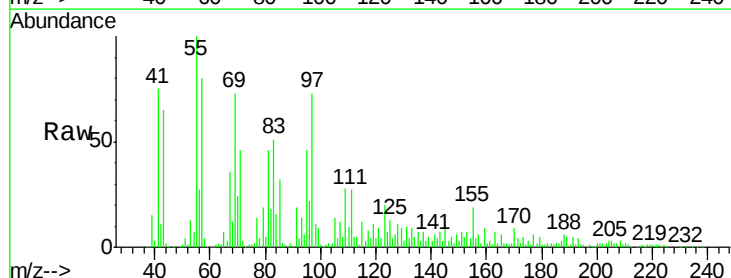
Tgt Ion:184 Resp: 4973

Ion Ratio Lower Upper

184 100

63 435.7 98.6 148.0#

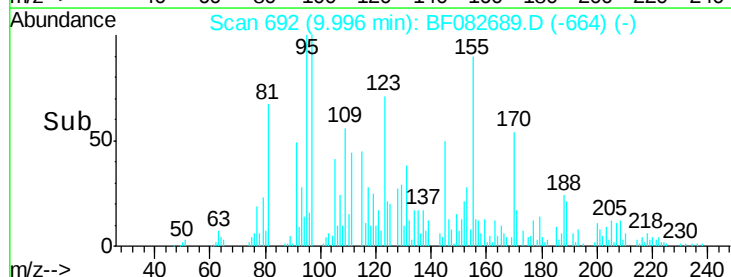
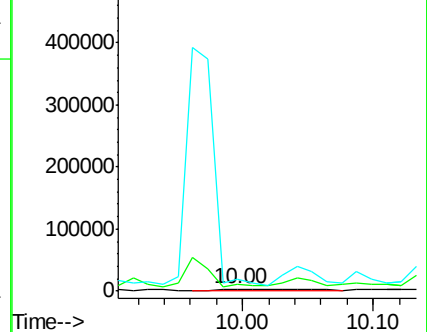
154 678.9 183.9 275.9#

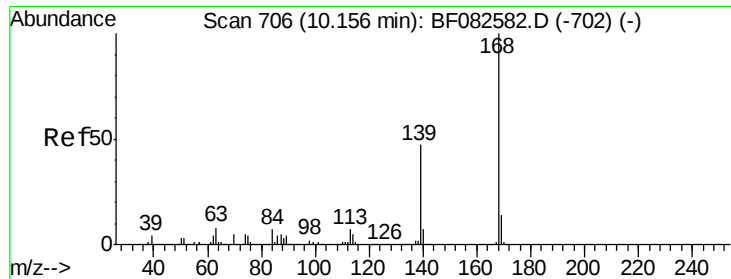


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

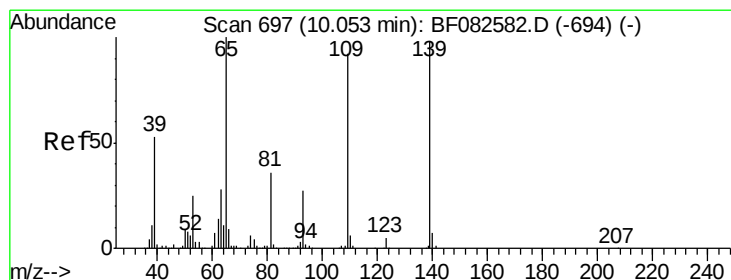
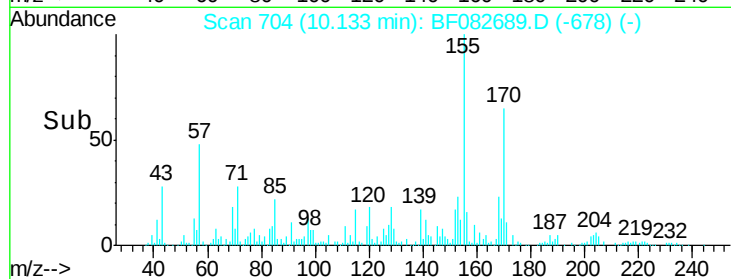
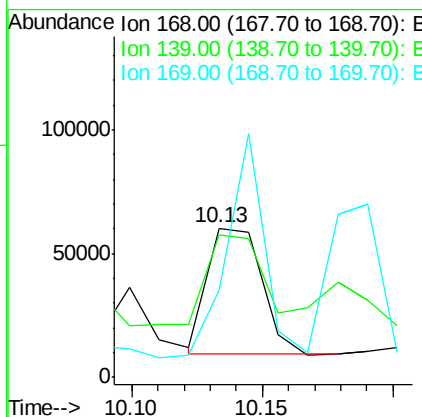
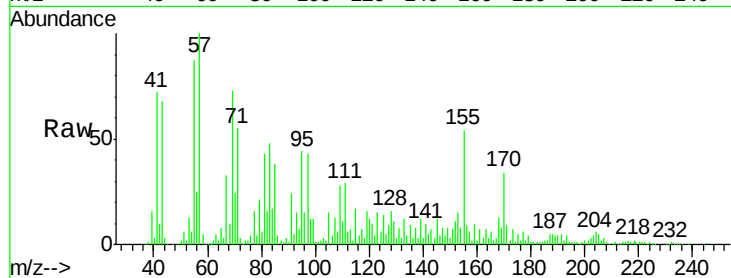




#54
Dibenzofuran
Concen: 3.45 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.00 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

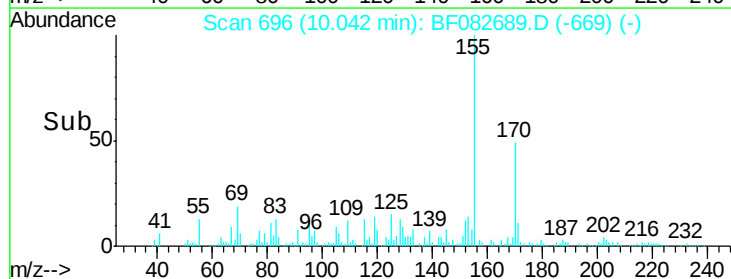
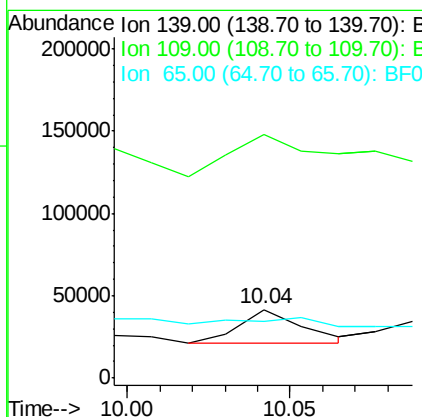
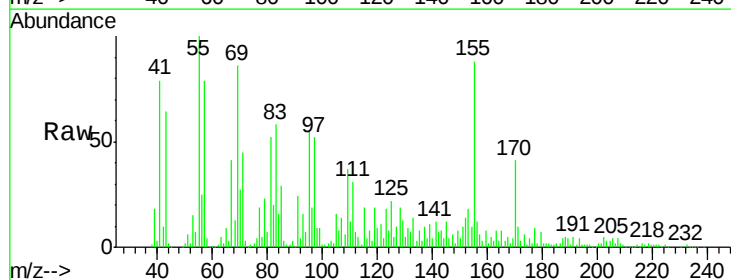
Instrument :
BNA_F
ClientSampleId :
TP-17(3)

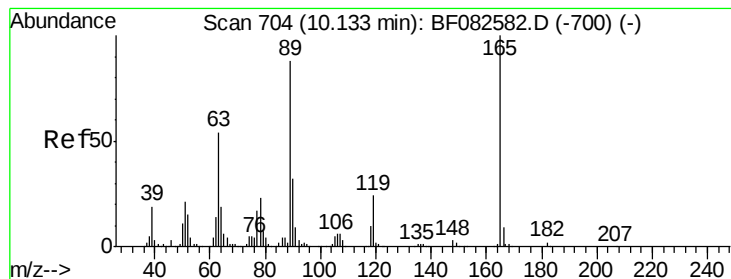
Tot Ion:168 Resp: 73398
Ion Ratio Lower Upper
168 100
139 95.5 37.8 56.6#
169 58.6 11.3 16.9#



#55
4-Nitrophenol
Concen: 8.16 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Tgt Ion:139 Resp: 27062
Ion Ratio Lower Upper
139 100
109 354.5 73.7 113.7#
65 82.0 82.9 122.9#





#56

2,4-Dinitrotoluene

Concen: 3.15 ng

RT: 10.10 min Scan# 701

Delta R.T. -0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

Tot Ion:165 Resp: 16860

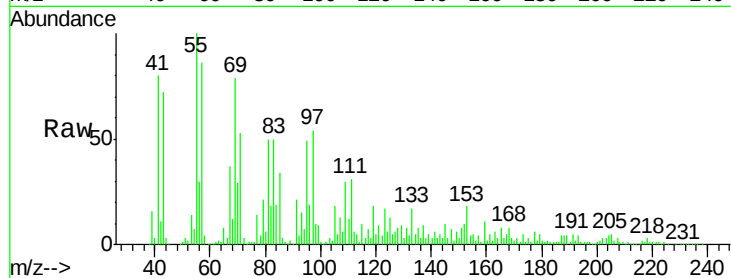
Ion Ratio Lower Upper

165 100

63 31.6 43.4 65.0#

89 20.7 70.6 106.0#

182 31.3 1.5 2.3#

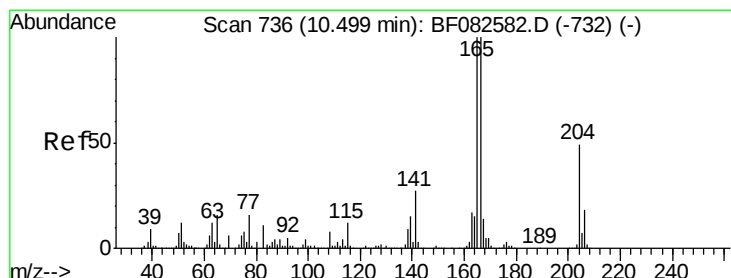
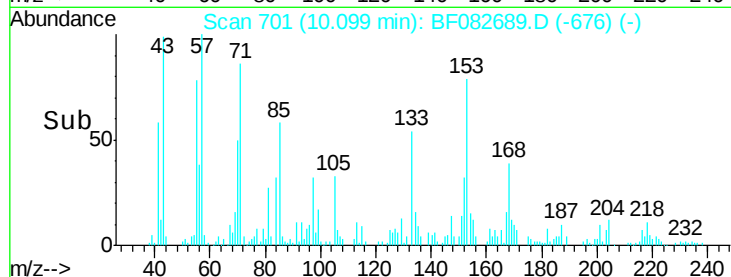
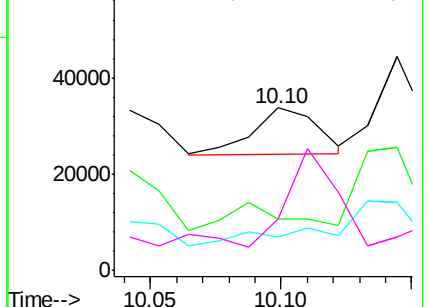


Abundance Ion 165.00 (164.70 to 165.70): E

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: 32.82 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

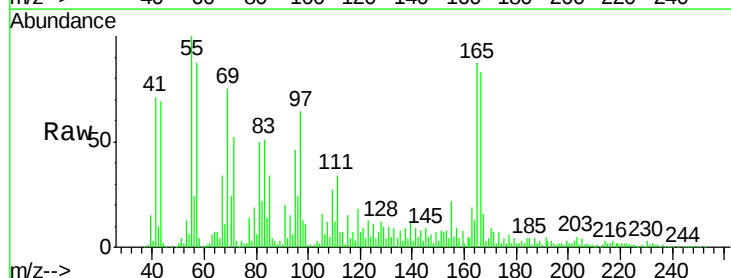
Tgt Ion:166 Resp: 562894

Ion Ratio Lower Upper

166 100

165 104.6 80.2 120.4

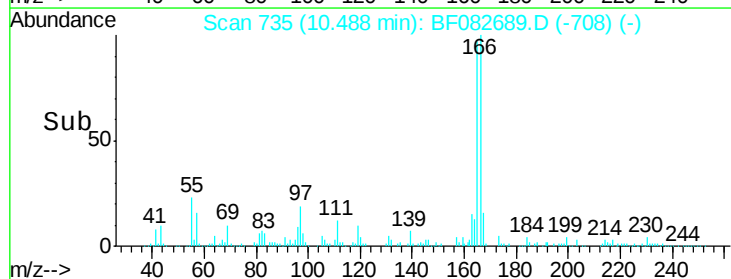
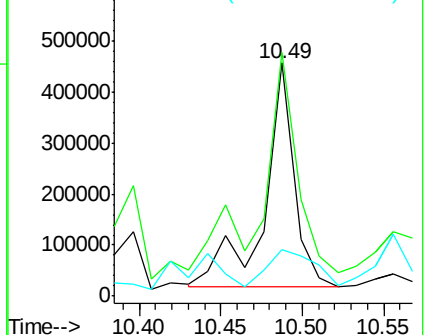
167 19.8 11.2 16.8#

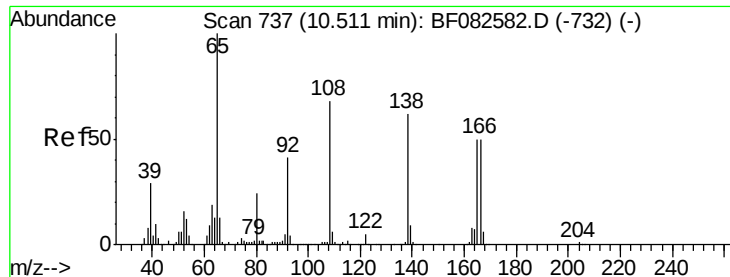


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.33 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

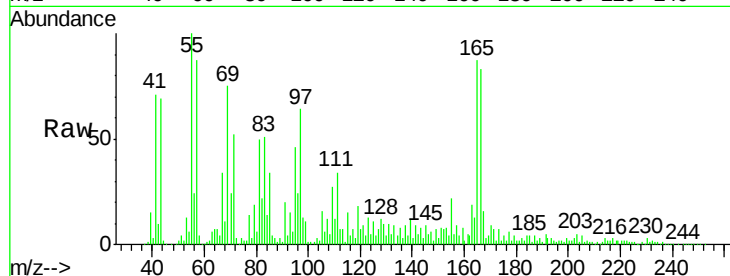
Tot Ion:138 Resp: 9779

Ion Ratio Lower Upper

138 100

92 97.1 45.8 85.8#

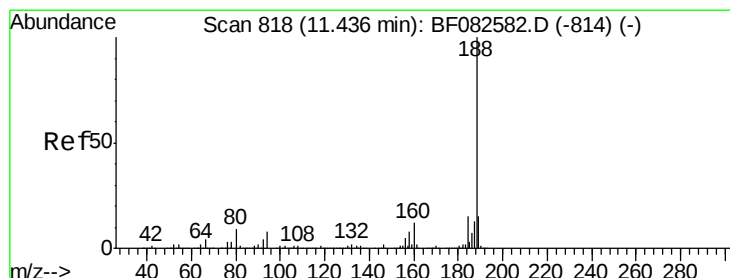
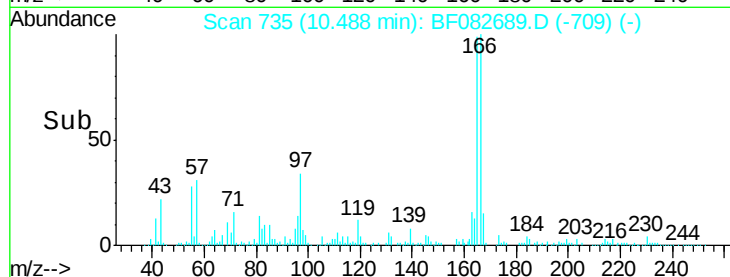
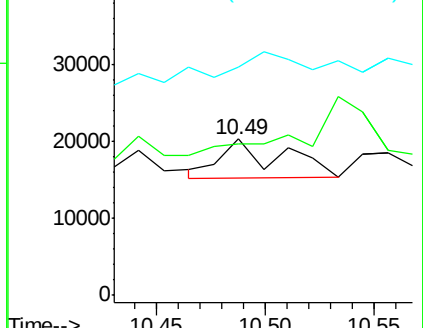
108 145.7 89.4 129.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

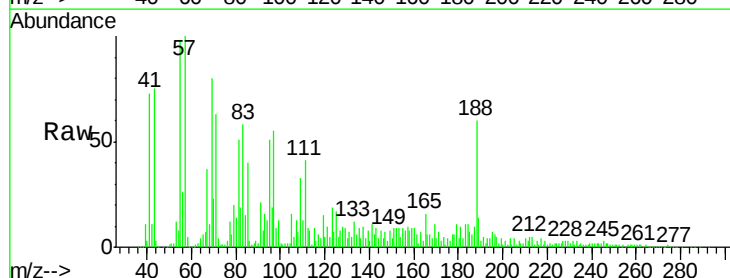
Tgt Ion:188 Resp: 349096

Ion Ratio Lower Upper

188 100

94 21.7 6.1 9.1#

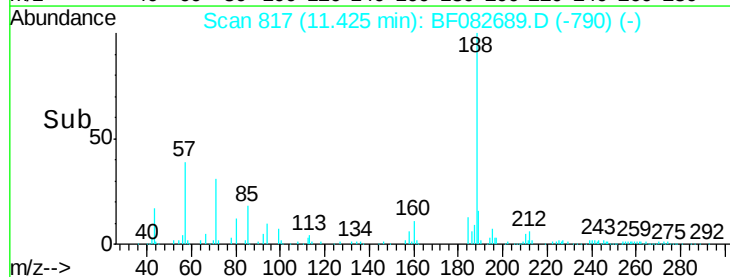
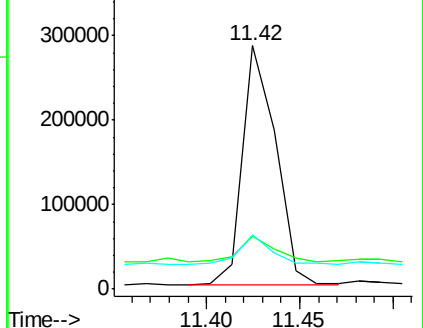
80 22.5 7.0 10.6#

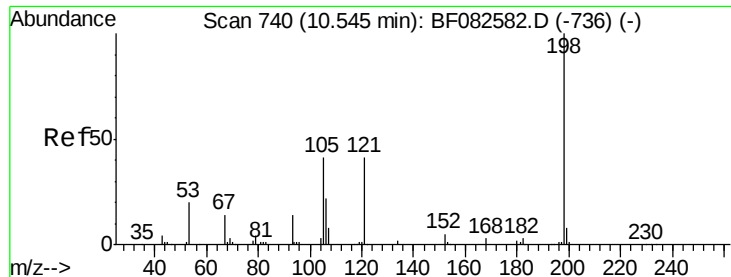


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.05 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

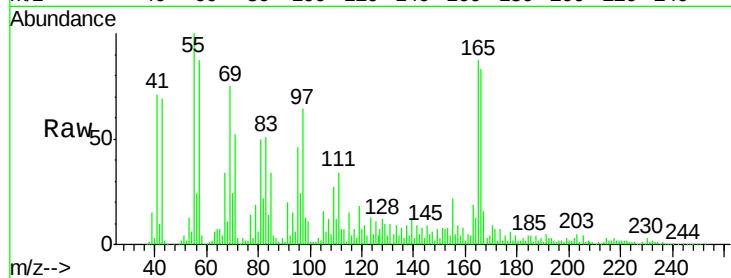
Tot Ion:198 Resp: 6429

Ion Ratio Lower Upper

198 100

51 350.6 17.3 57.3#

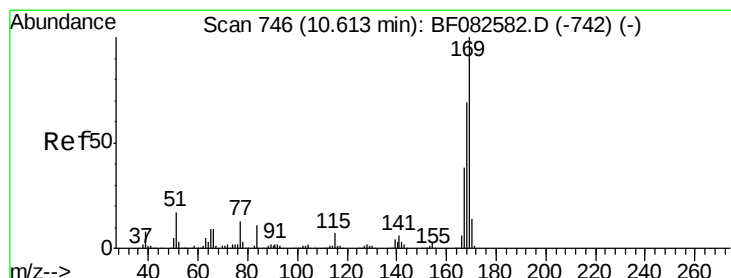
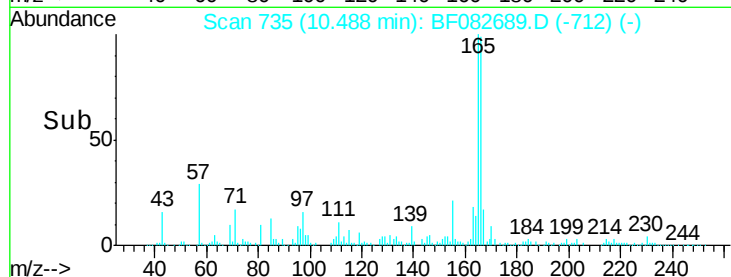
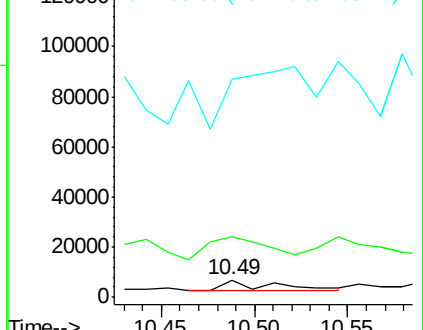
105 1248.7 21.7 61.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 38.84 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

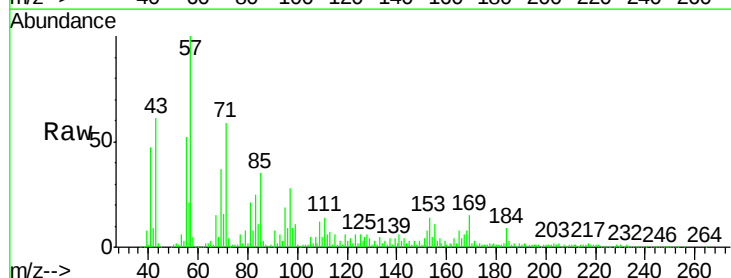
Tgt Ion:169 Resp: 466098

Ion Ratio Lower Upper

169 100

168 57.6 55.0 82.6

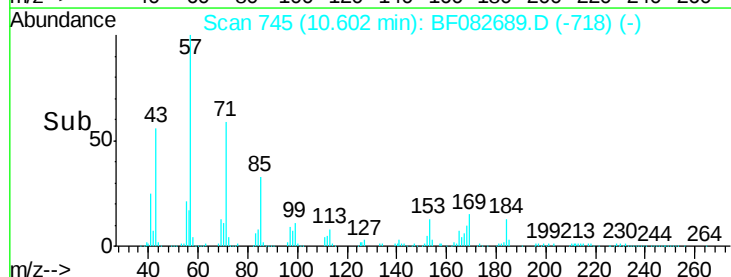
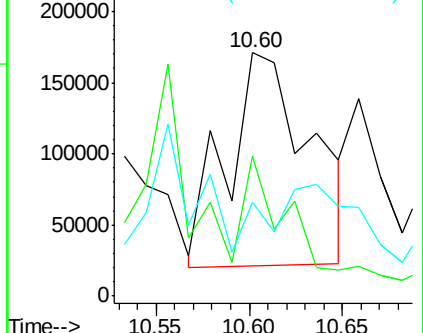
167 38.4 30.5 45.7

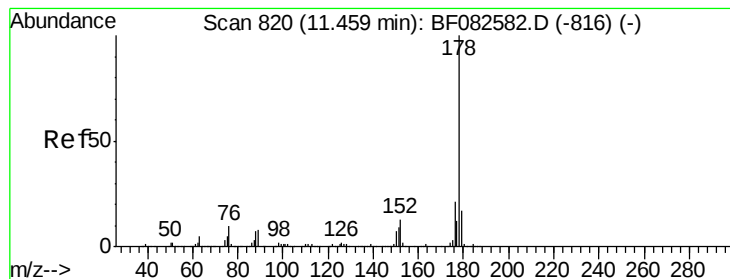


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 96.34 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

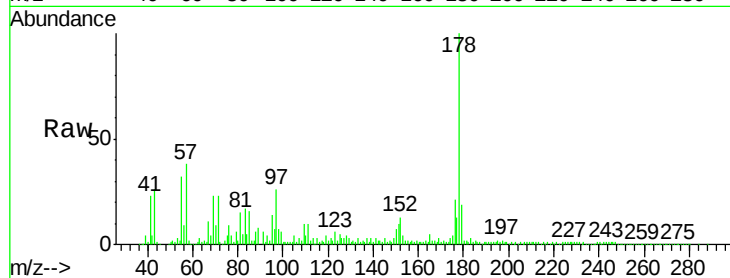
Tot Ion:178 Resp: 1896927

Ion Ratio Lower Upper

178 100

176 21.1 17.0 25.4

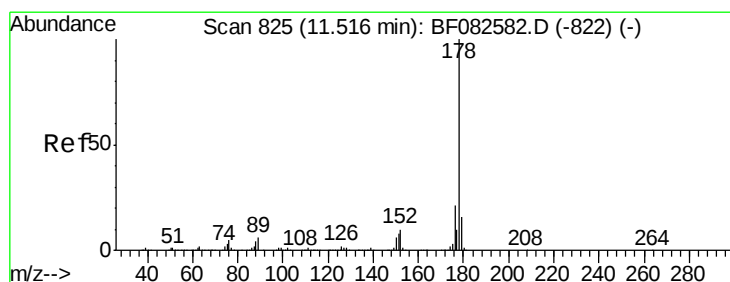
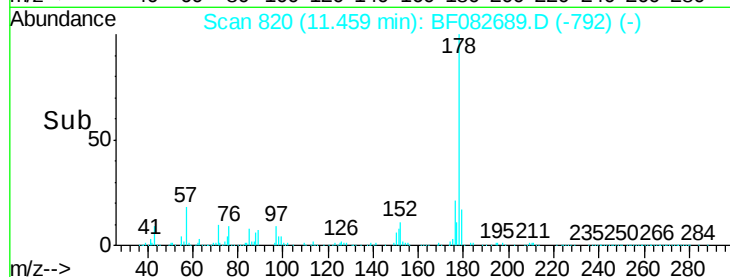
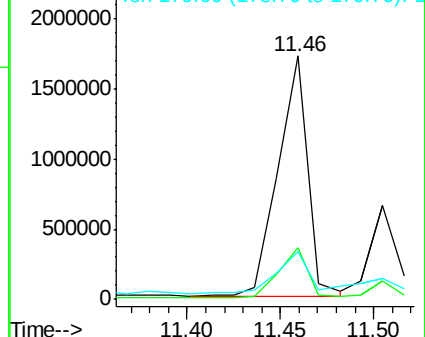
179 19.5 13.4 20.0



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: 95.68 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

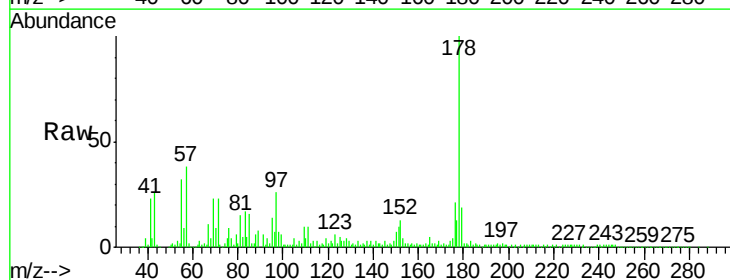
Tgt Ion:178 Resp: 1896927

Ion Ratio Lower Upper

178 100

176 21.1 16.5 24.7

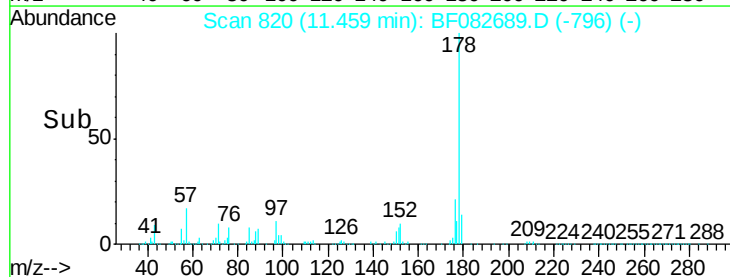
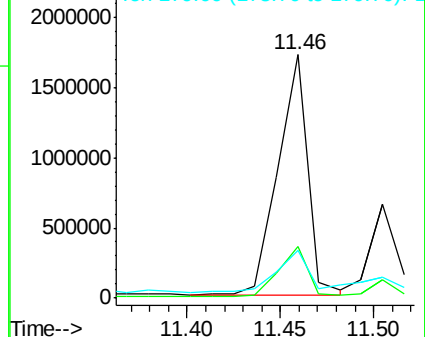
179 19.5 13.2 19.8

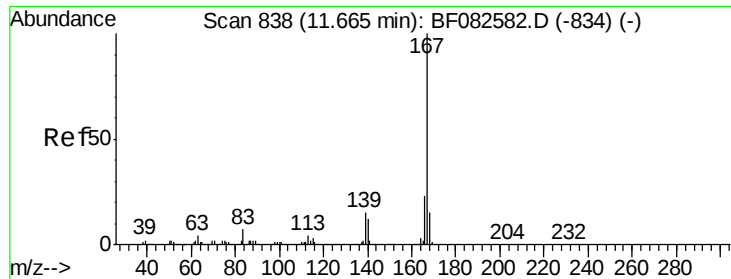


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.01 ng

RT: 11.65 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

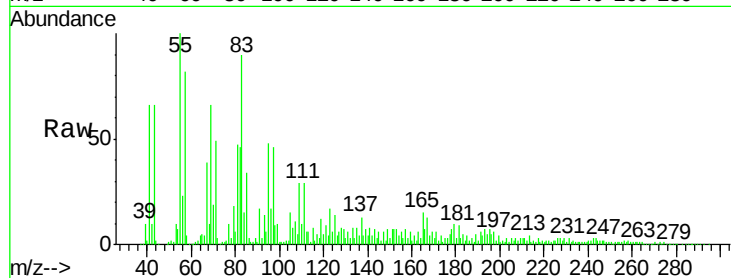
Tot Ion:167 Resp: 52056

Ion Ratio Lower Upper

167 100

166 51.5 18.7 28.1#

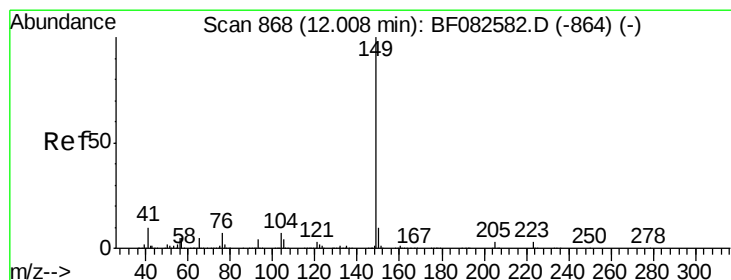
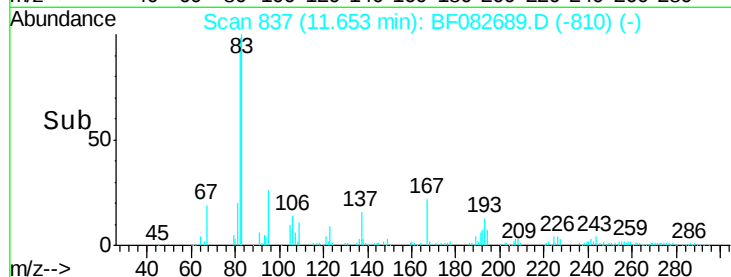
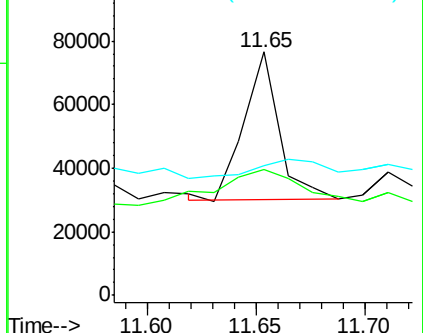
139 53.1 11.8 17.6#



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: 2.17 ng

RT: 11.98 min Scan# 866

Delta R.T. -0.00 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

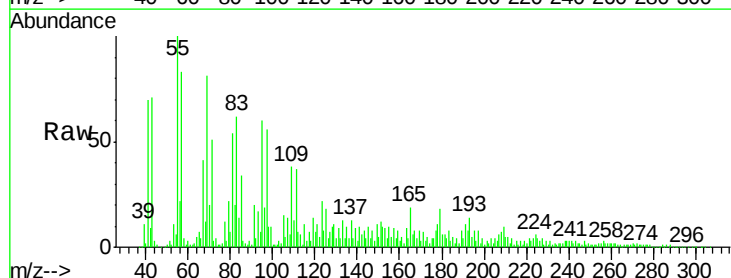
Tgt Ion:149 Resp: 47706

Ion Ratio Lower Upper

149 100

150 45.2 8.1 12.1#

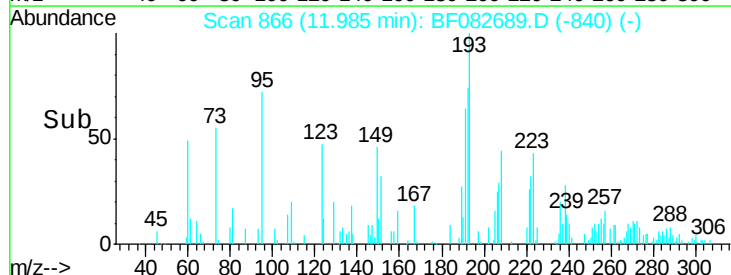
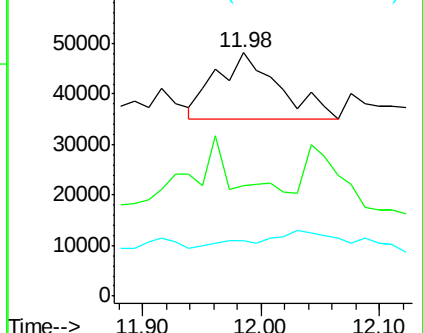
104 23.0 5.2 7.8#

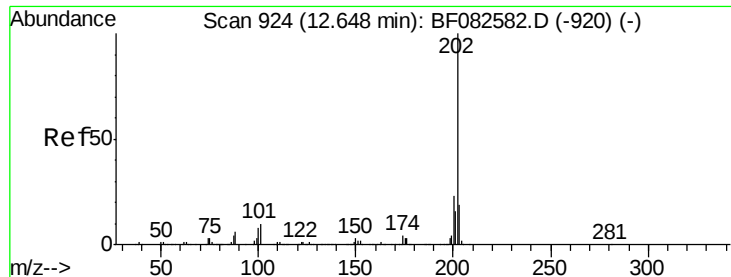


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

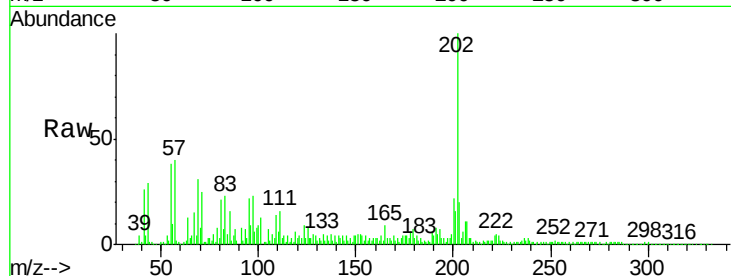




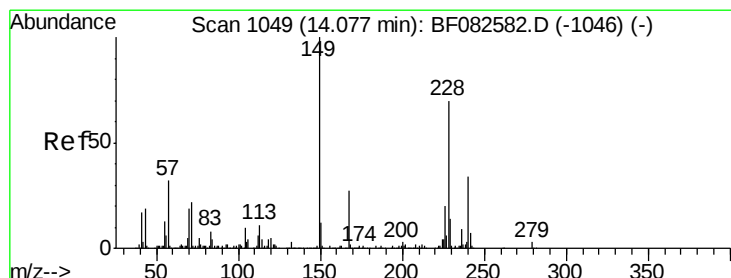
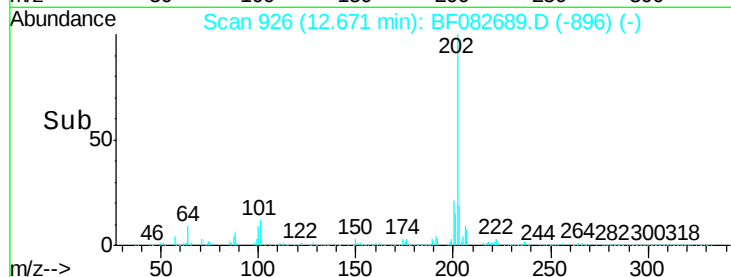
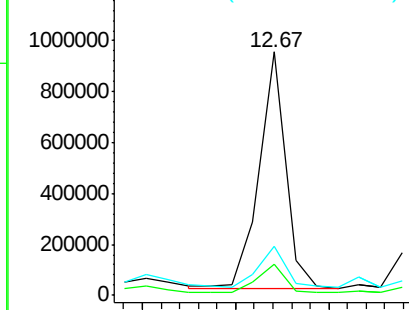
#74
Fluoranthene
Concen: 45.57 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.05 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Instrument :
BNA_F
ClientSampleId :
TP-17(3)

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.5
203	20.2	0.0	38.5

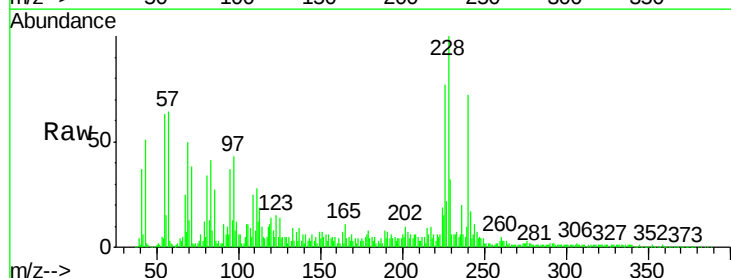


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

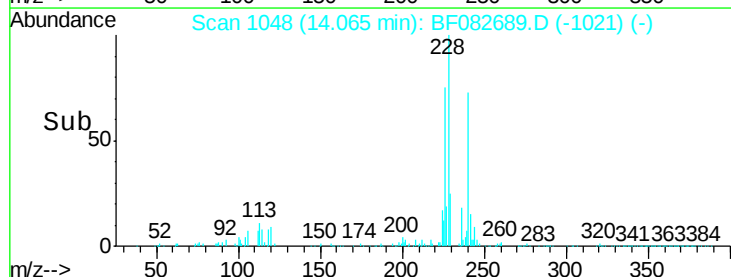
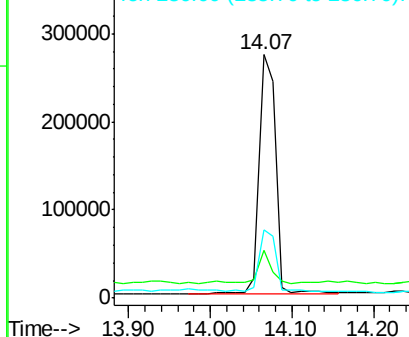


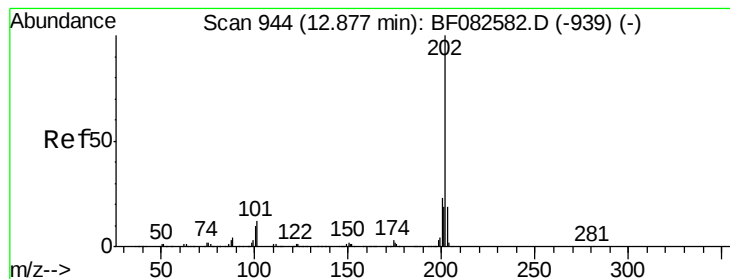
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.4	10.9	16.3#
236	28.2	21.6	32.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 60.19 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

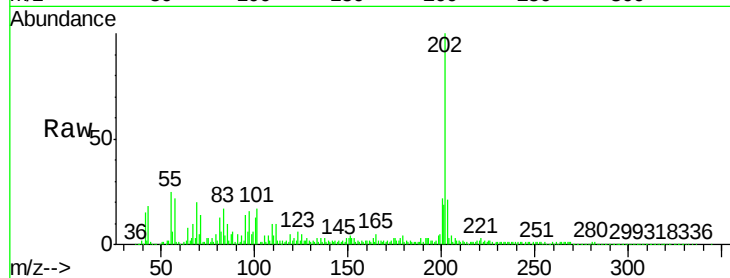
Tot Ion:202 Resp: 1718967

Ion Ratio Lower Upper

202 100

200 22.5 18.7 28.1

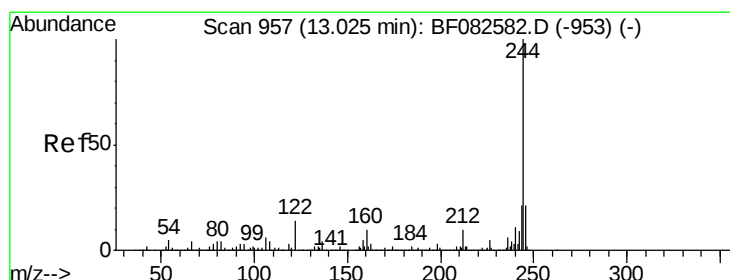
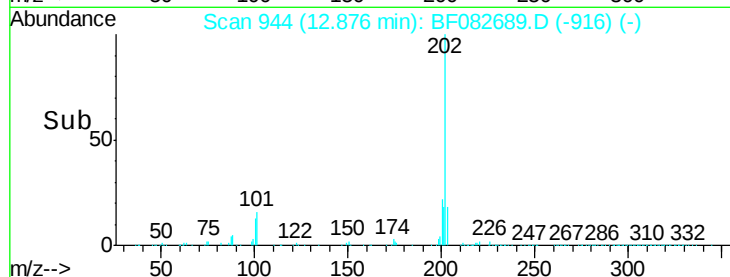
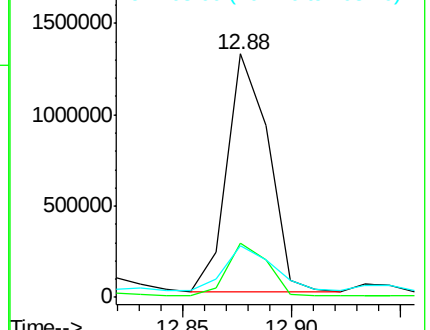
203 21.1 14.8 22.2



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: 62.56 ng

RT: 13.02 min Scan# 957

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

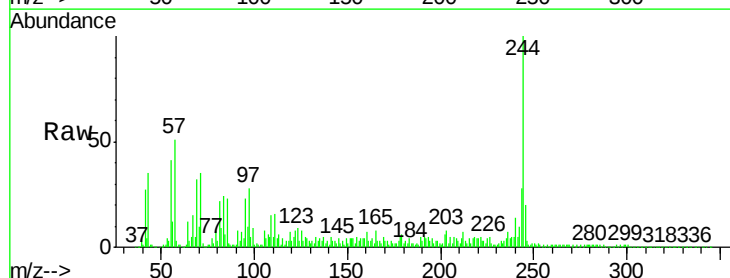
Tgt Ion:244 Resp: 1102465

Ion Ratio Lower Upper

244 100

212 7.4 7.6 11.4#

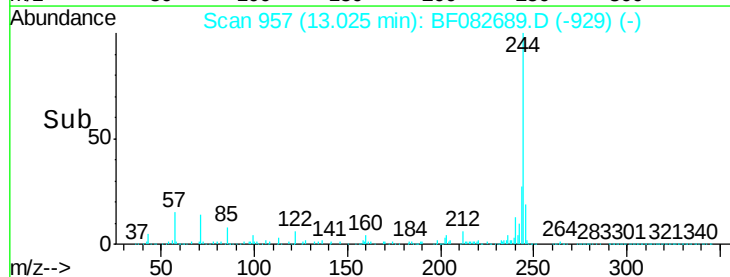
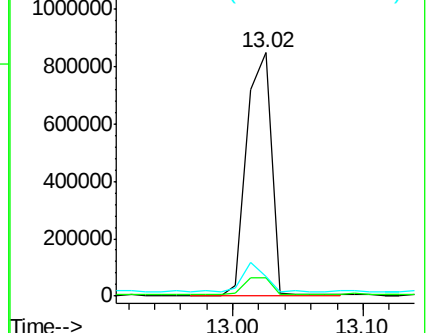
122 7.9 11.3 16.9#

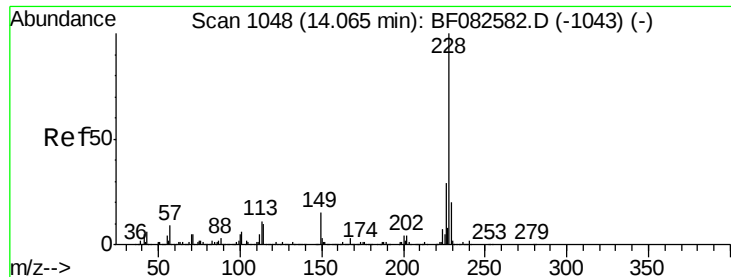


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 42.58 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampled :

TP-17(3)

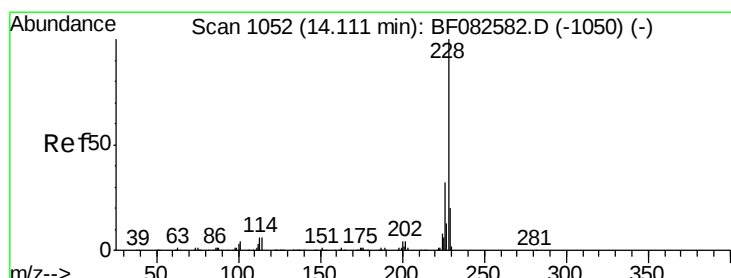
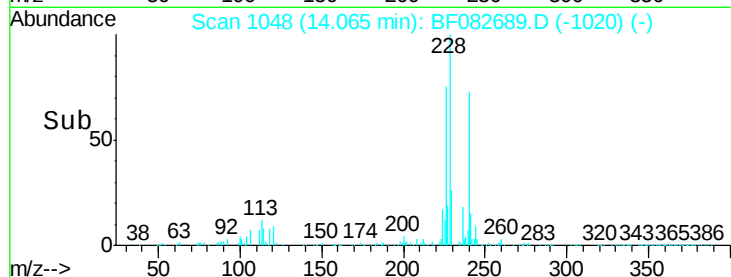
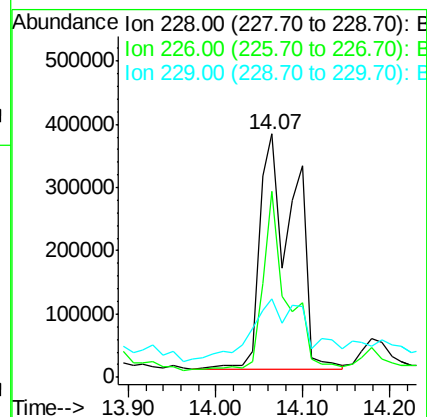
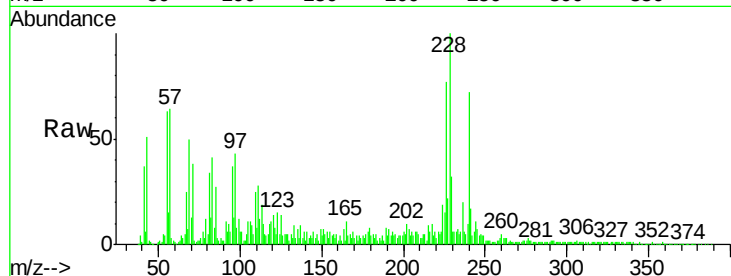
Tot Ion:228 Resp: 1043127

Ion Ratio Lower Upper

228 100

226 76.5 23.4 35.2#

229 32.3 16.3 24.5#



#82

Chrysene

Concen: 46.98 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

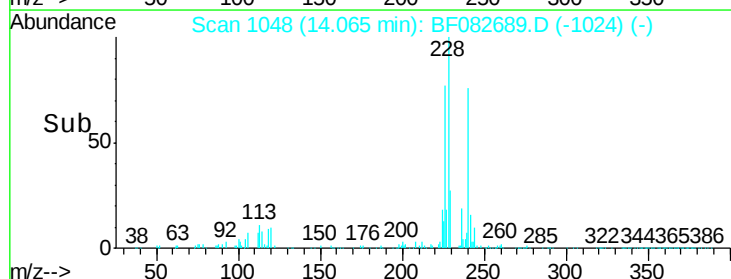
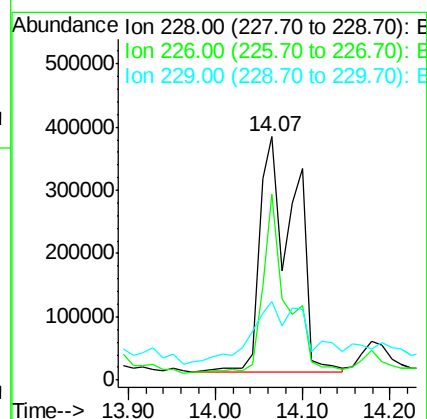
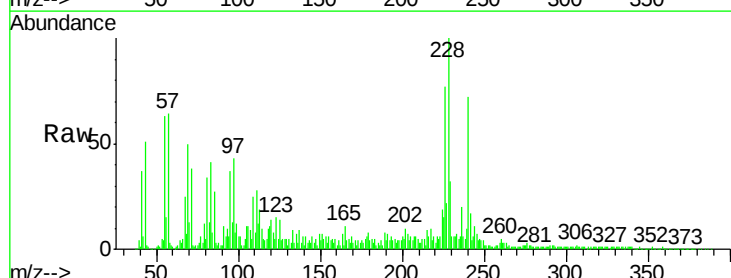
Tgt Ion:228 Resp: 1043127

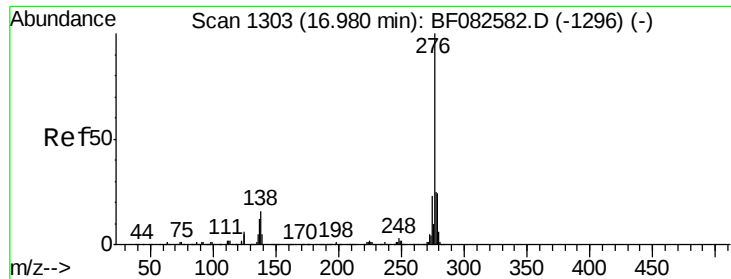
Ion Ratio Lower Upper

228 100

226 76.5 25.5 38.3#

229 32.3 16.3 24.5#

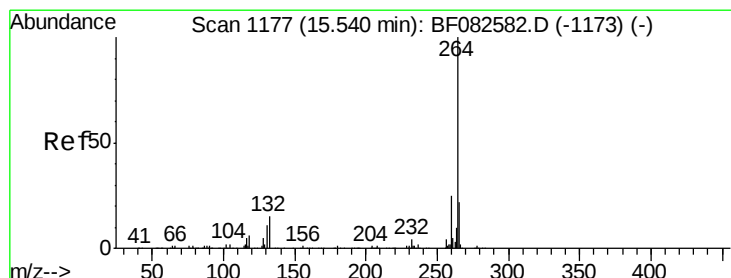
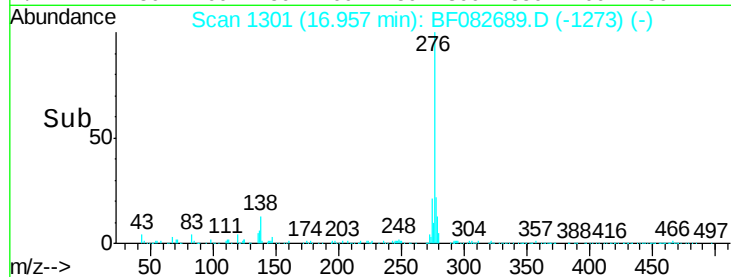
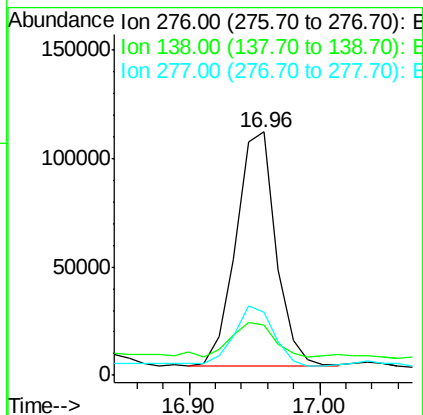
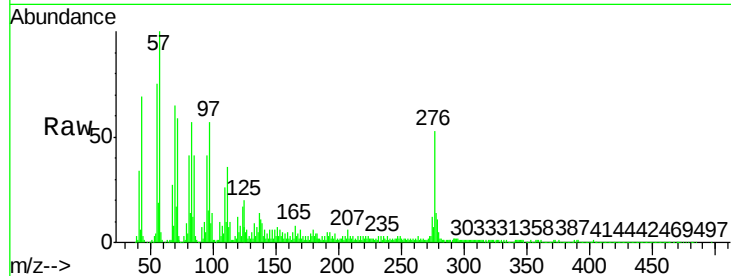




#85
Indeno(1,2,3-cd)pyrene
Concen: 12.49 ng
RT: 16.96 min Scan# 1301
Delta R.T. 0.02 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

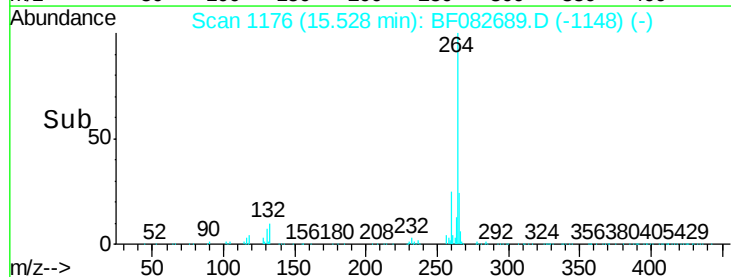
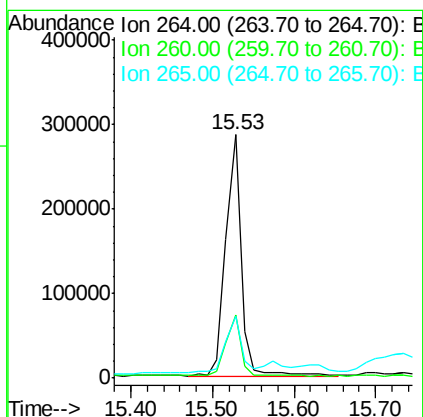
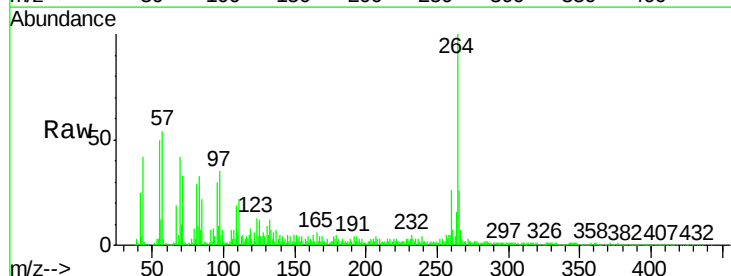
Instrument :
BNA_F
ClientSampleId :
TP-17(3)

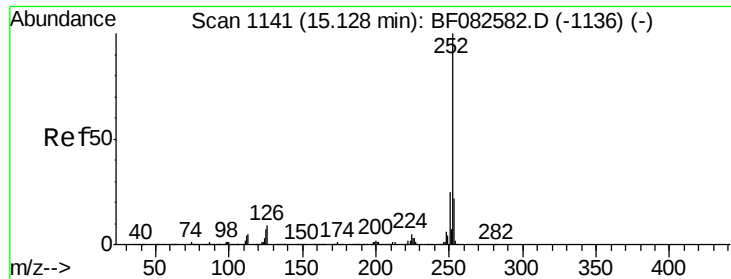
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	15.3	22.9
277	26.1	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1176
Delta R.T. 0.02 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.8	29.6
265	25.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 23.84 ng

RT: 15.11 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

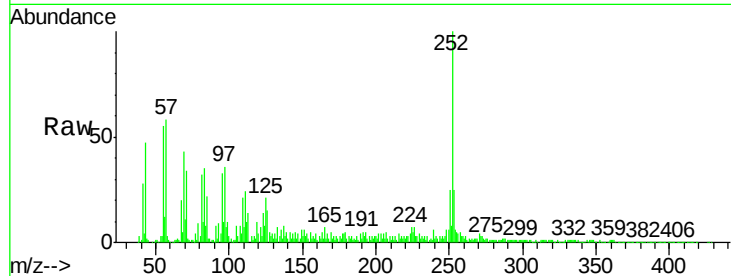
Tot Ion:252 Resp: 621390

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

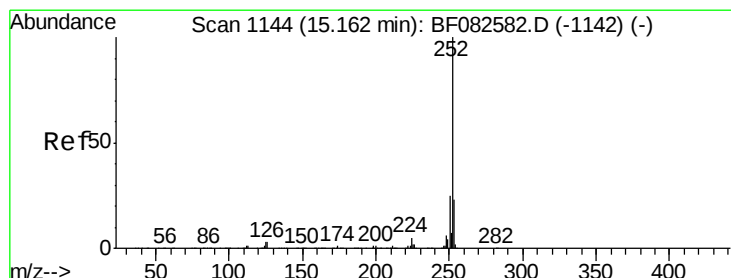
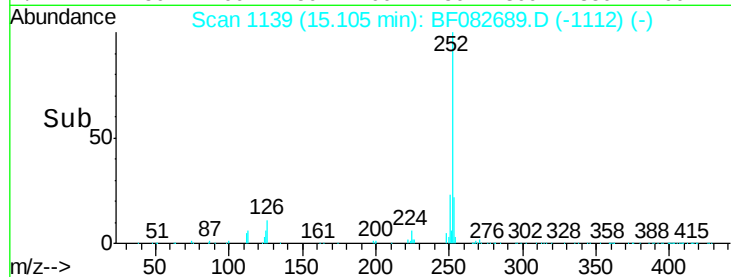
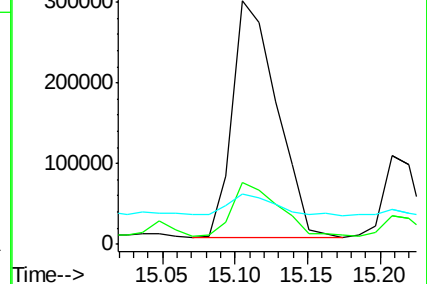
125 20.7 5.4 8.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 31.29 ng

RT: 15.11 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

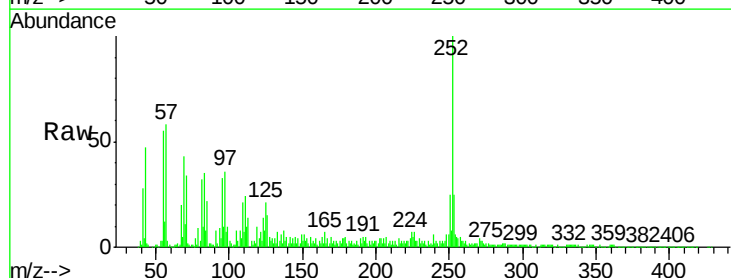
Tgt Ion:252 Resp: 621390

Ion Ratio Lower Upper

252 100

253 25.2 17.9 26.9

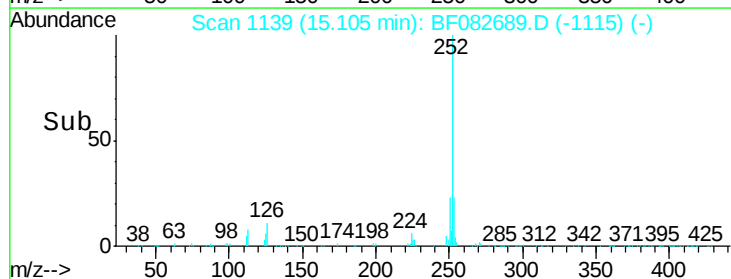
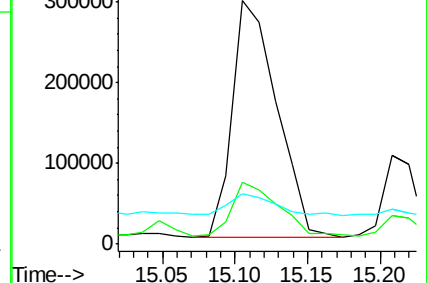
125 20.7 3.5 5.3#

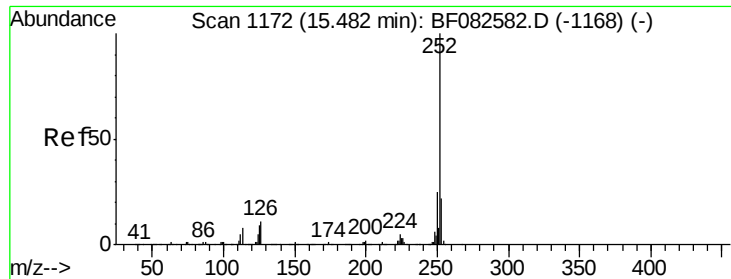


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

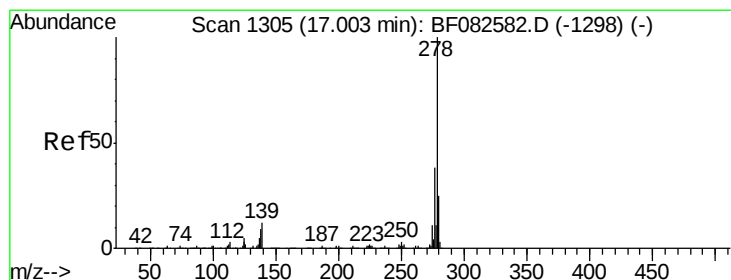
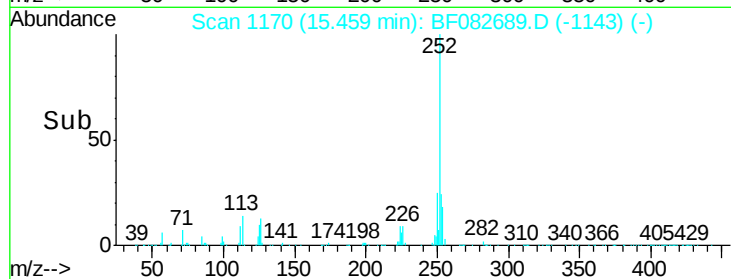
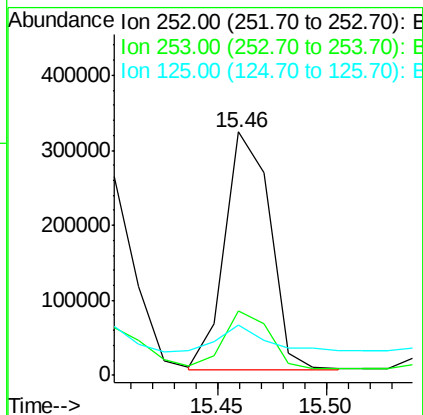
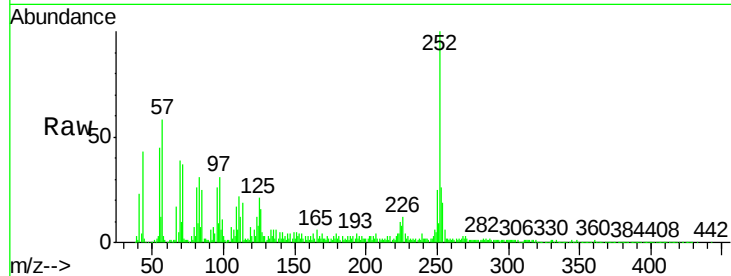




#89
Benzo(a)pyrene
Concen: 22.43 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

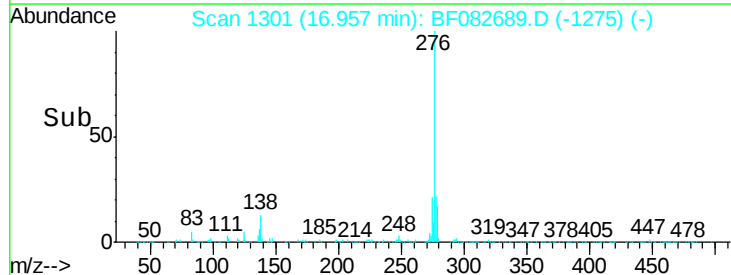
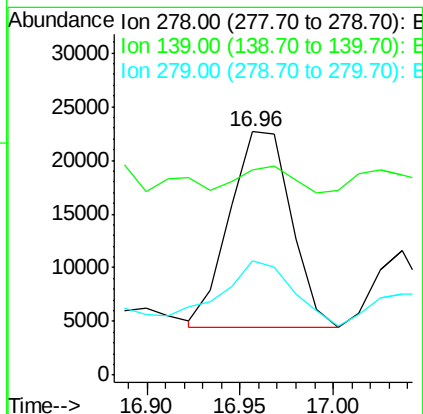
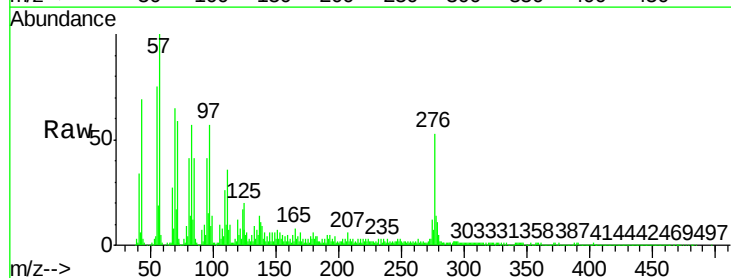
Instrument :
BNA_F
ClientSampled :
TP-17(3)

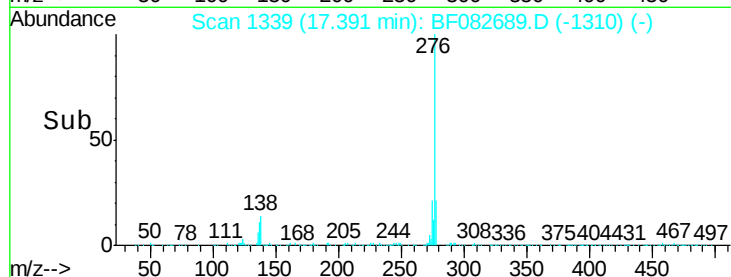
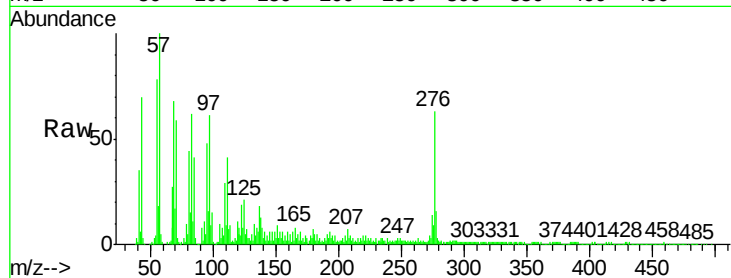
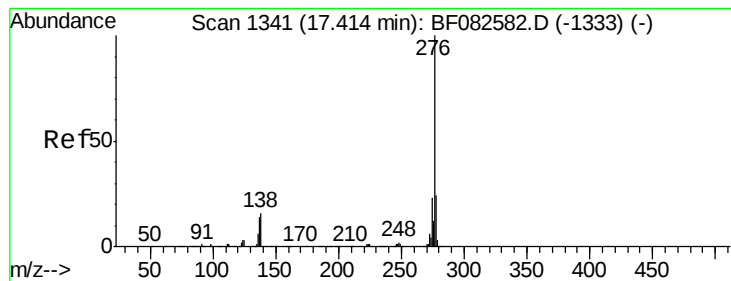
Tot Ion:252 Resp: 460430
Ion Ratio Lower Upper
252 100
253 26.5 17.3 25.9#
125 20.5 7.1 10.7#



#90
Dibenzo(a,h)anthracene
Concen: 2.19 ng
RT: 16.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF082689.D
Acq: 4 Nov 2015 7:44

Tgt Ion:278 Resp: 41996
Ion Ratio Lower Upper
278 100
139 84.2 9.9 14.9#
279 46.9 19.6 29.4#





#91

Benzo(a,h,i)perylene

Concen: 14.34 ng

RT: 17.39 min Scan# 1339

Delta R.T. 0.03 min

Lab File: BF082689.D

Acq: 4 Nov 2015 7:44

Instrument :

BNA_F

ClientSampleId :

TP-17(3)

Tot Ion: 276 Resp: 266153

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 20.6 13.1 19.7#

