

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075564.D
 Acq On : 16 Nov 2014 2:09
 Operator : TP / JJ
 Sample : F4592-04
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T3

Quant Time: Nov 16 06:15:47 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 18:46:55 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	54508	20.00	ng	-0.01
21) Naphthalene-d8	9.16	136	122741	20.00	ng	0.00
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-11.34
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-13.19
75) Chrysene-d12	16.48	240	194711	20.00	ng	-0.06
86) Perylene-d12	18.23	264	210780	20.00	ng	-0.21

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.85	112	286130	92.74	ng	-0.01
7) Phenol-d6	7.11	99	350909	94.58	ng	0.00
23) Nitrobenzene-d5	8.25	82	328296	196.10	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	10.53	172	236646	0.00	ng	0.03
78) Terphenyl-d14	0.00	244	0	0.00	ng	

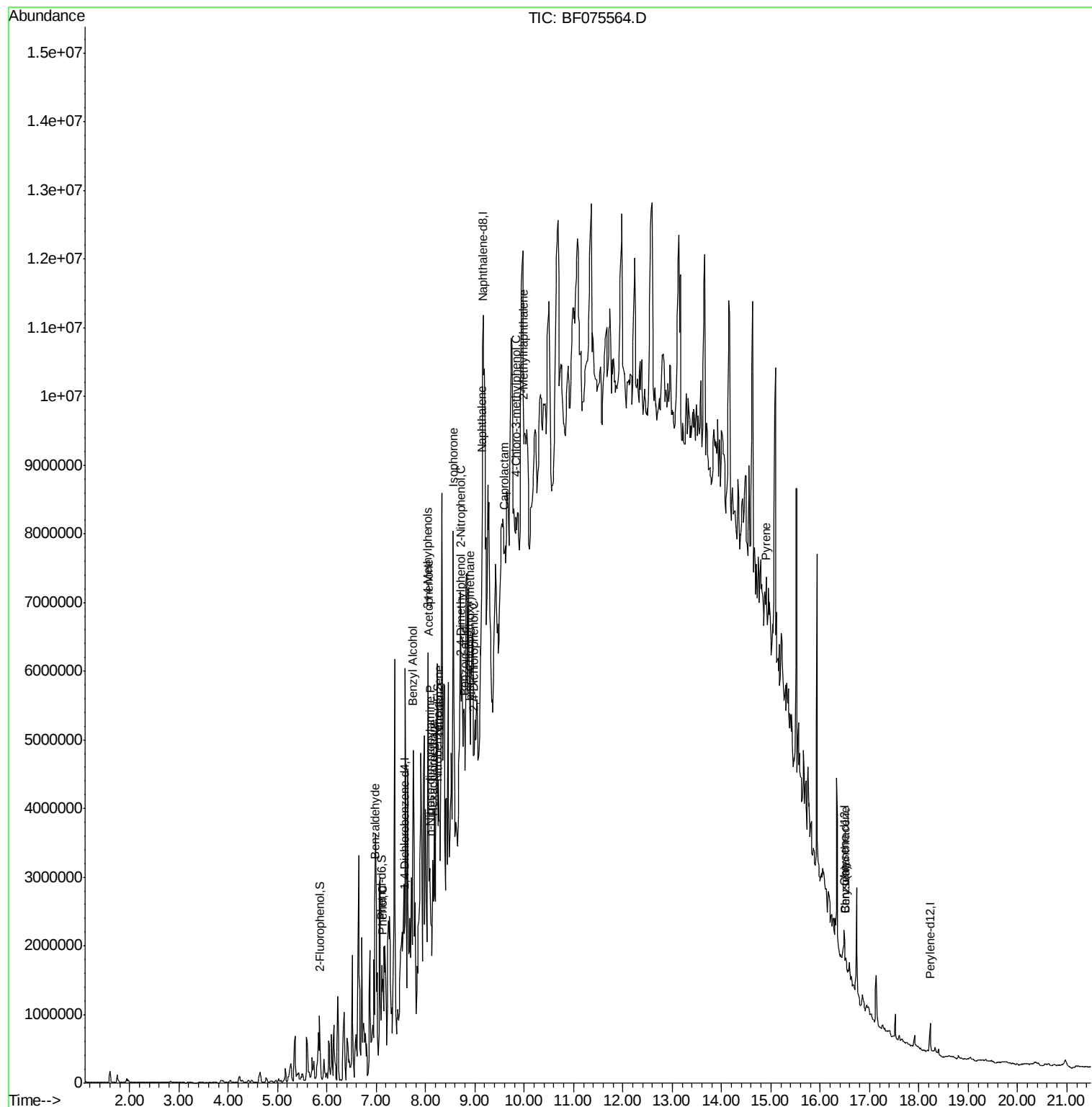
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.97	77	81994	32.85	ng	# 1
10) Phenol	7.13	94	18765	4.15	ng	# 26
15) Benzyl Alcohol	7.75	79	11820	4.06	ng	# 39
18) Hexachloroethane	8.15	117	66969	49.33	ng	# 1
19) n-Nitroso-di-n-propylamine	8.09	70	94454	37.36	ng	# 61
20) 3+4-Methylphenols	8.05	107	13306	3.44	ng	# 1
22) Acetophenone	8.06	105	823258	310.92	ng	# 46
24) Nitrobenzene	8.26	77	60556	31.21	ng	# 53
25) Isophorone	8.56	82	210250	55.00	ng	# 1
26) 2-Nitrophenol	8.71	139	21248	24.03	ng	# 1
27) 2,4-Dimethylphenol	8.72	122	41494	24.22	ng	# 1
28) bis(2-Chloroethoxy)methane	8.90	93	54129	23.24	ng	# 1
29) 2,4-Dichlorophenol	8.97	162	41856	27.88	ng	# 1
31) Naphthalene	9.14	128	240543	43.96	ng	# 1
32) Benzoic acid	8.79	122	33958	32.80	ng	# 26
35) Caprolactam	9.59	113	11754	23.63	ng	# 1
36) 4-Chloro-3-methylphenol	9.84	107	27617	16.77	ng	# 35
37) 2-Methylnaphthalene	9.99	142	8759	2.35	ng	# 1
77) Pyrene	14.89	202	24683	2.18	ng	# 21
80) Benzo(a)anthracene	16.52	228	57402	5.61	ng	# 1
82) Chrysene	16.52	228	64799	7.32	ng	# 1

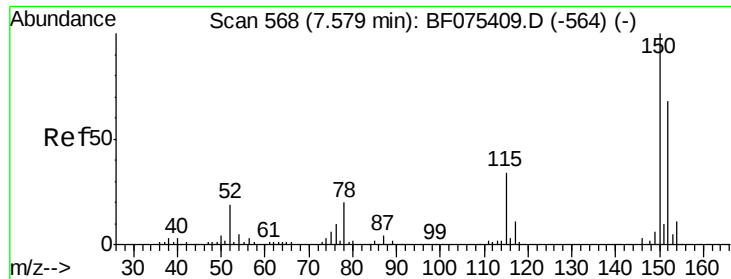
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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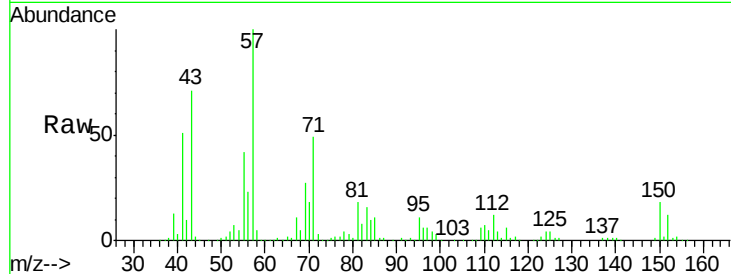


#1

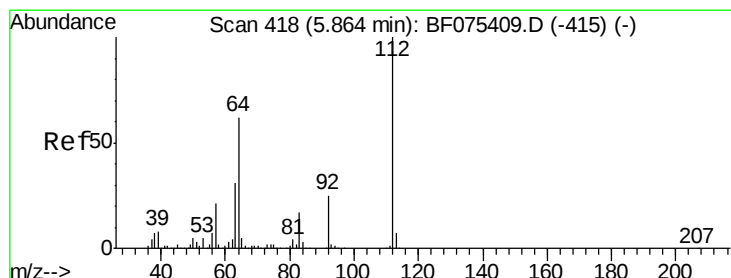
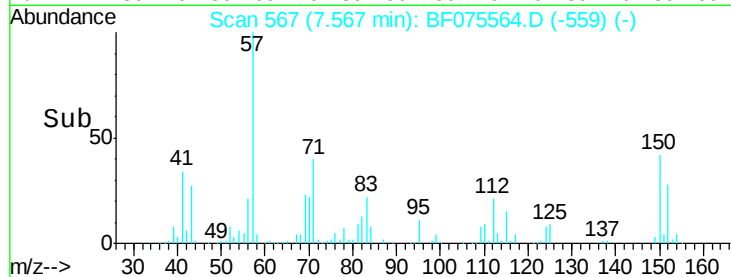
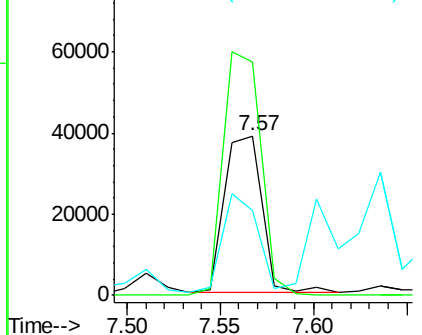
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF075564.D
Acq: 16 Nov 2014 2:09

Instrument :
BNA_F
ClientSampled :
T3

Tgt Ion:152 Resp: 54508
Ion Ratio Lower Upper
152 100
150 146.3 127.2 190.8
115 53.1 57.1 85.7#



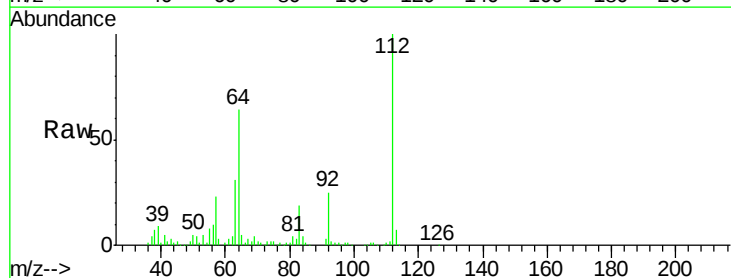
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



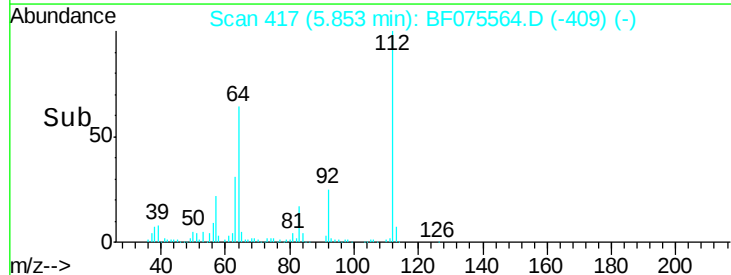
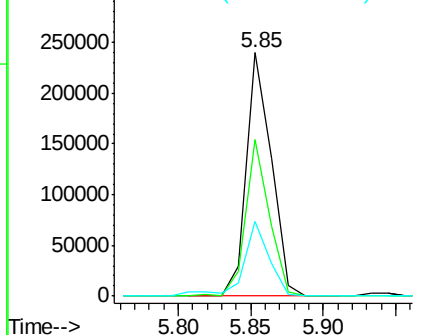
#5

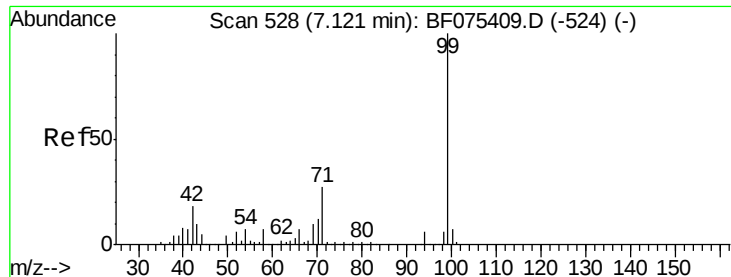
2-Fluorophenol
Concen: 92.74 ng
RT: 5.85 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF075564.D
Acq: 16 Nov 2014 2:09

Tgt Ion:112 Resp: 286130
Ion Ratio Lower Upper
112 100
64 64.3 45.8 68.6
63 30.8 22.7 34.1



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: 94.58 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

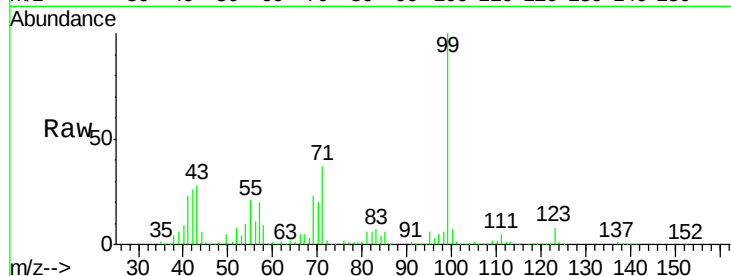
Tgt Ion: 99 Resp: 350909

Ion Ratio Lower Upper

99 100

42 25.6 19.8 29.6

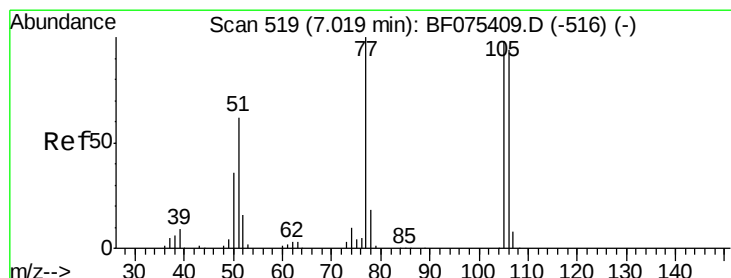
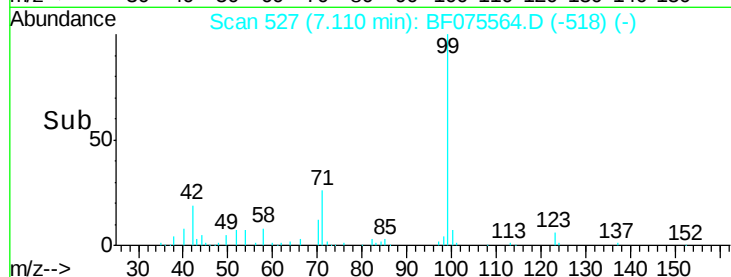
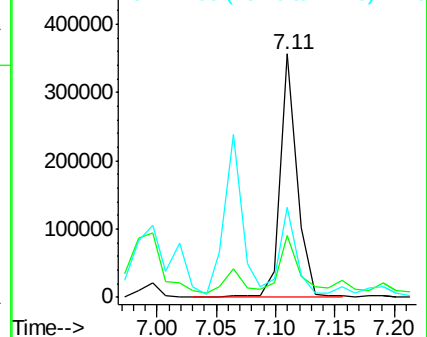
71 37.2 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 32.85 ng

RT: 6.97 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

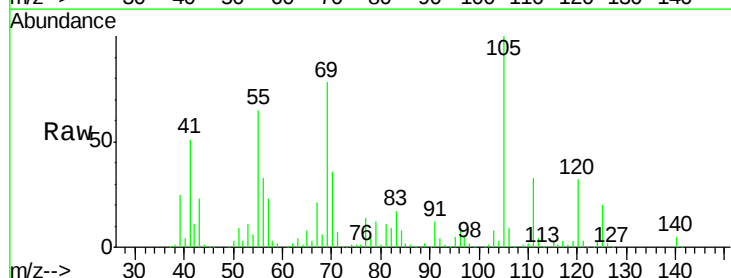
Tgt Ion: 77 Resp: 81994

Ion Ratio Lower Upper

77 100

105 712.8 81.6 121.6#

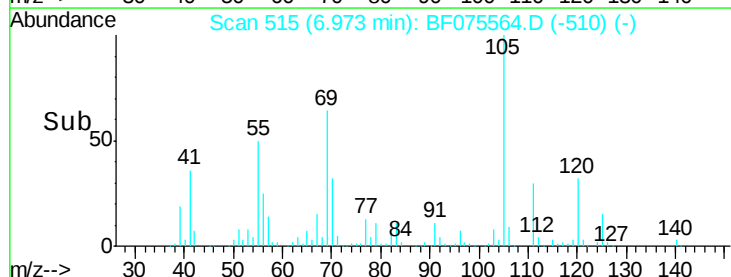
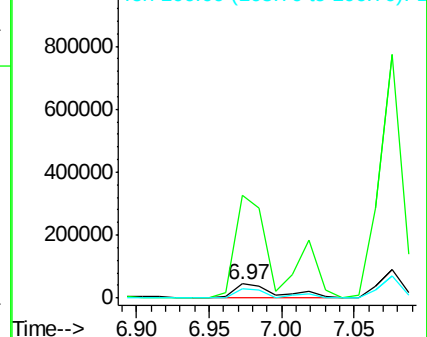
106 63.6 77.5 117.5#

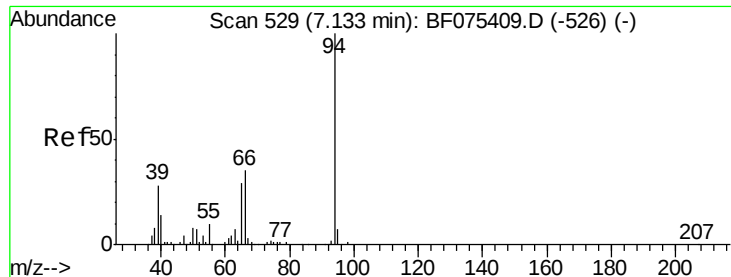


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.15 ng

RT: 7.13 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

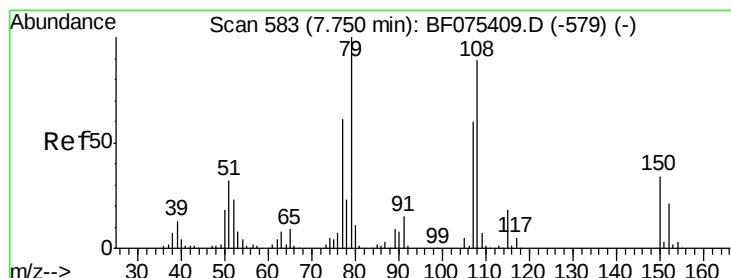
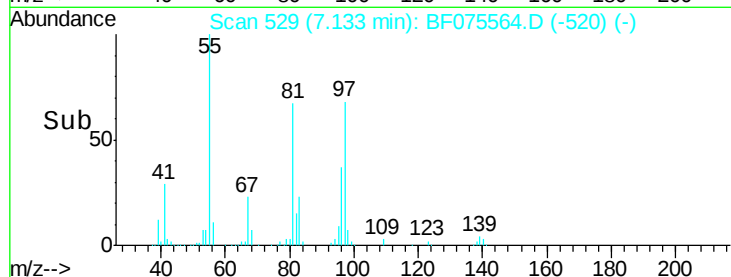
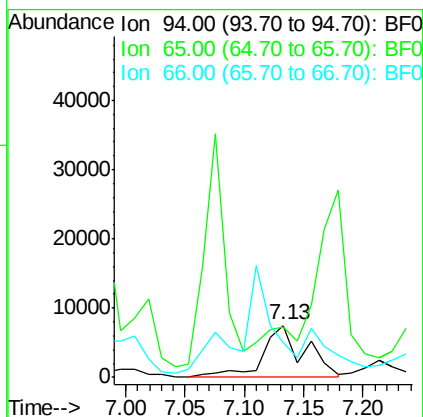
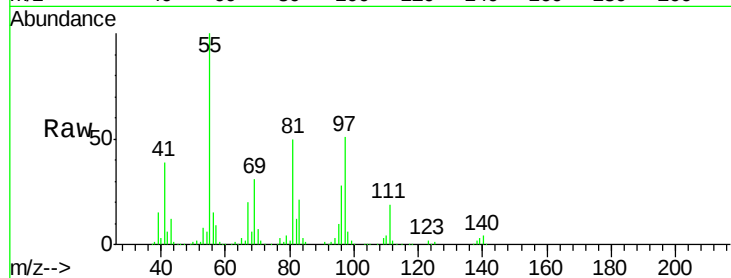
Tgt Ion: 94 Resp: 18765

Ion Ratio Lower Upper

94 100

65 96.8 13.1 53.1#

66 67.5 20.8 60.8#



#15

Benzyl Alcohol

Concen: 4.06 ng

RT: 7.75 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

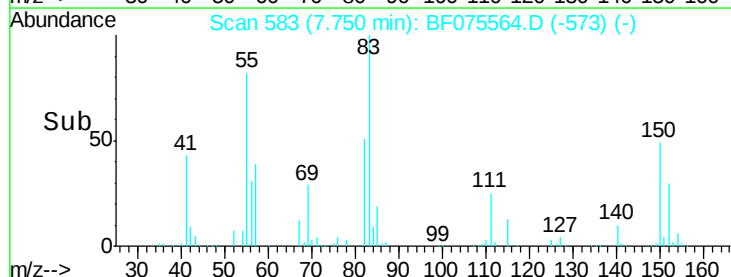
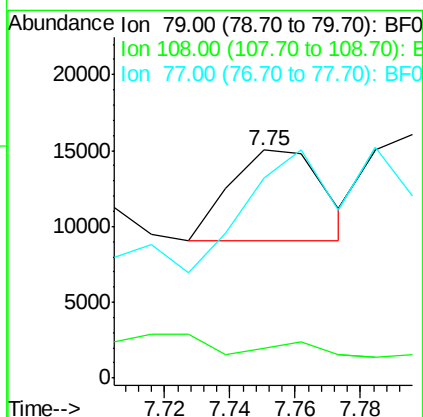
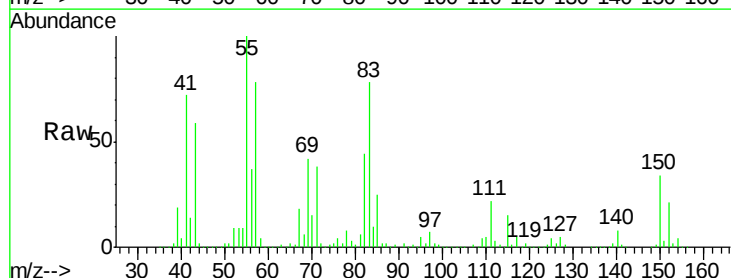
Tgt Ion: 79 Resp: 11820

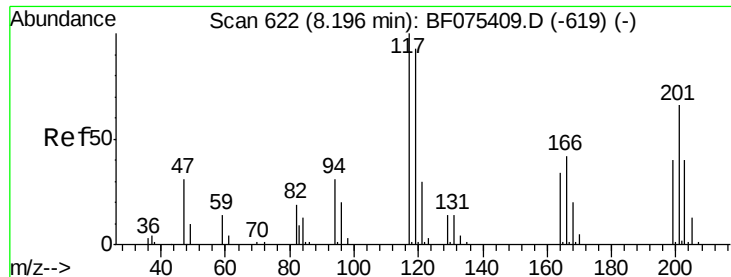
Ion Ratio Lower Upper

79 100

108 13.3 75.5 113.3#

77 87.6 52.1 78.1#





#18

Hexachloroethane

Concen: 49.33 ng

RT: 8.15 min Scan# 618

Delta R.T. -0.05 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

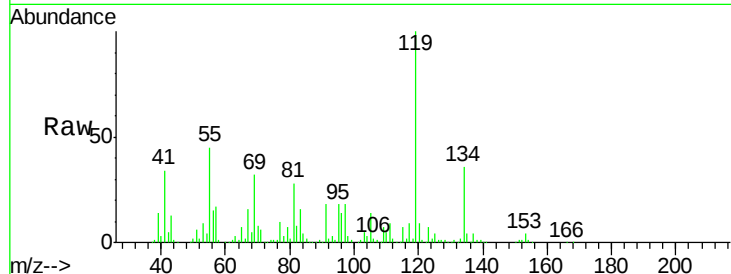
Tgt Ion: 117 Resp: 66969

Ion Ratio Lower Upper

117 100

119 1161.4 72.9 109.3#

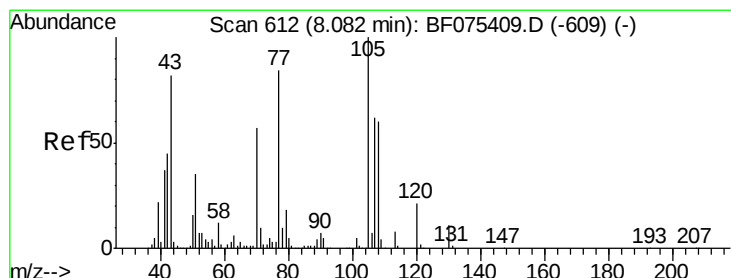
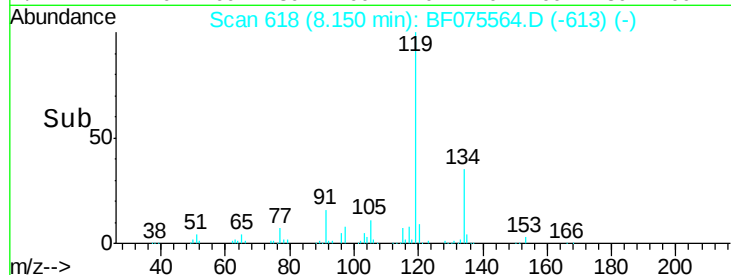
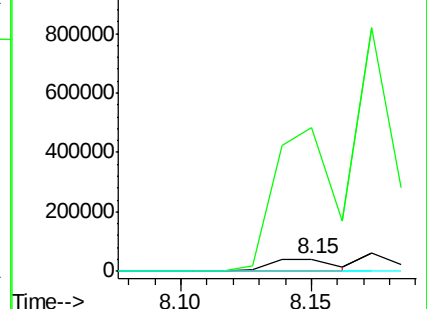
201 0.0 48.2 72.4#



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: 37.36 ng

RT: 8.09 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Tgt Ion: 70 Resp: 94454

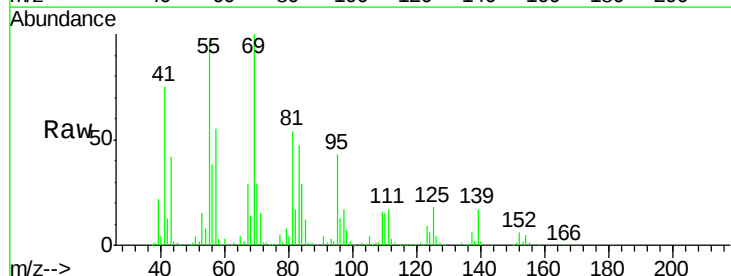
Ion Ratio Lower Upper

70 100

42 44.2 63.0 94.6#

101 0.8 7.5 11.3#

130 0.0 16.3 24.5#

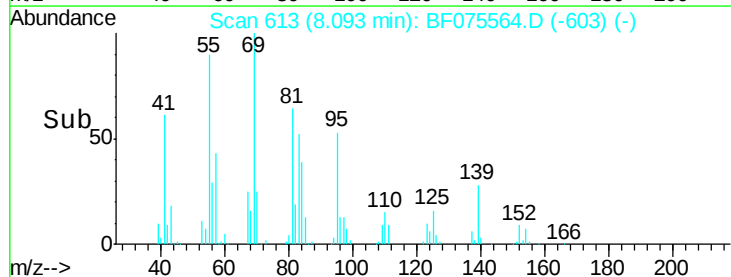
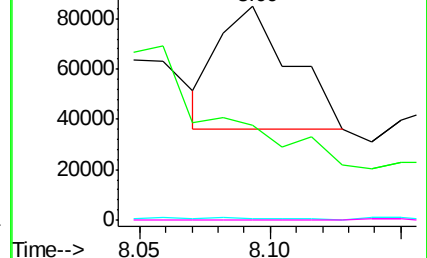


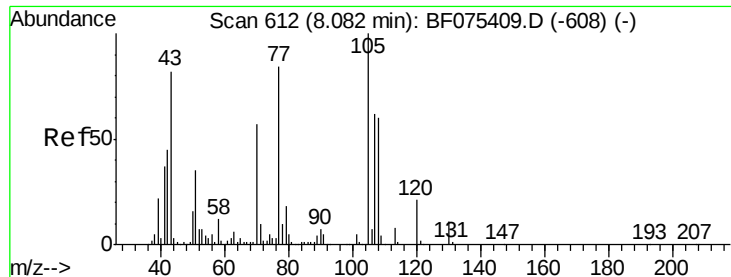
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 3.44 ng

RT: 8.05 min Scan# 609

Delta R.T. -0.02 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

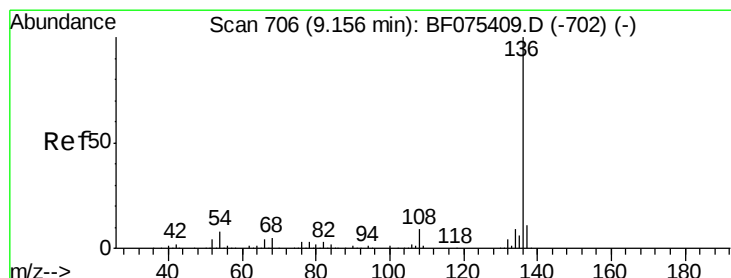
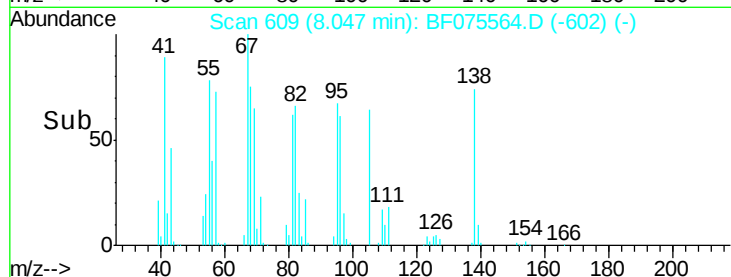
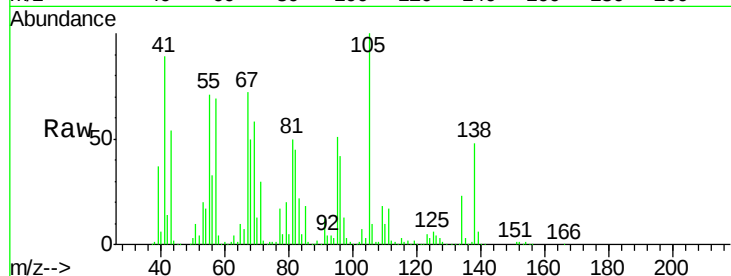
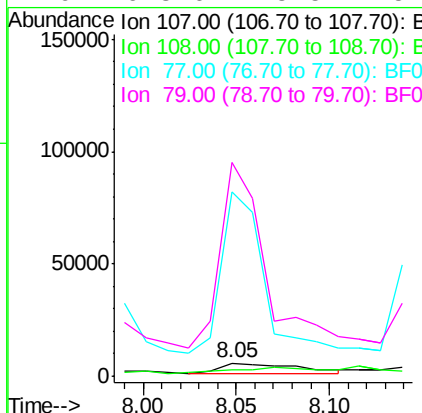
BNA_F

ClientSampled :

T3

Tgt Ion:107 Resp: 13306

Ion	Ratio	Lower	Upper
107	100		
108	53.2	69.6	109.6#
77	1399.9	84.4	124.4#
79	1623.6	5.5	45.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.16 min Scan# 706

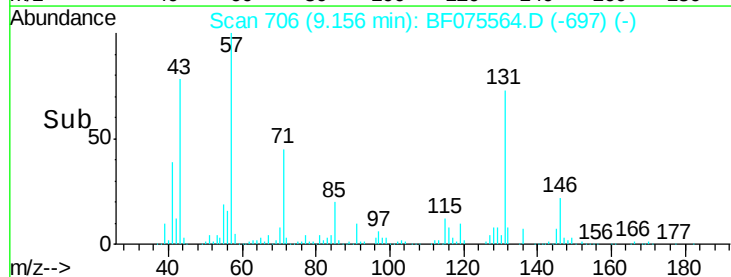
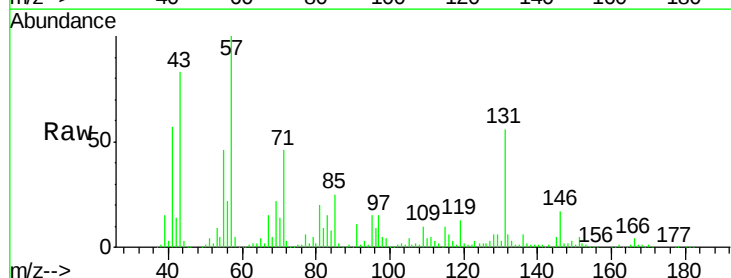
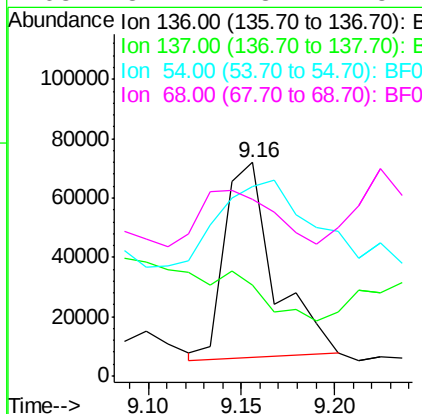
Delta R.T. 0.00 min

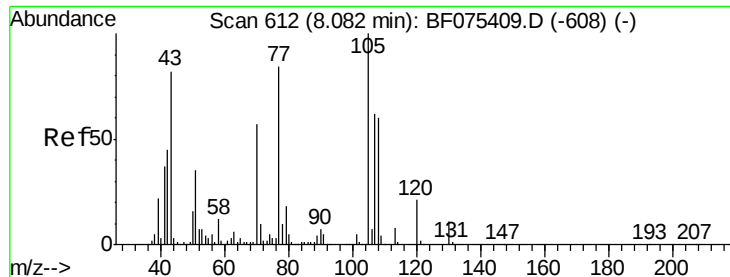
Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Tgt Ion:136 Resp: 122741

Ion	Ratio	Lower	Upper
136	100		
137	42.3	8.2	12.4#
54	88.6	6.2	9.4#
68	82.7	3.4	5.2#

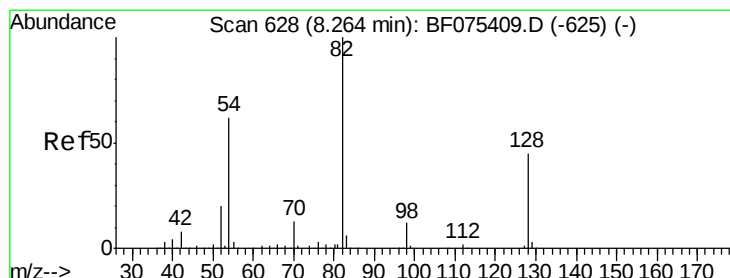
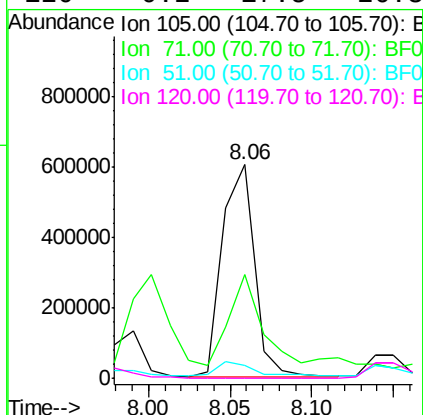
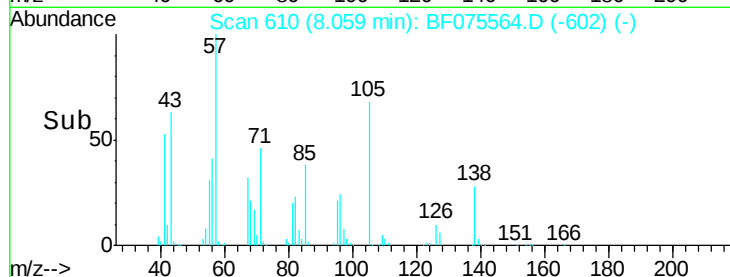
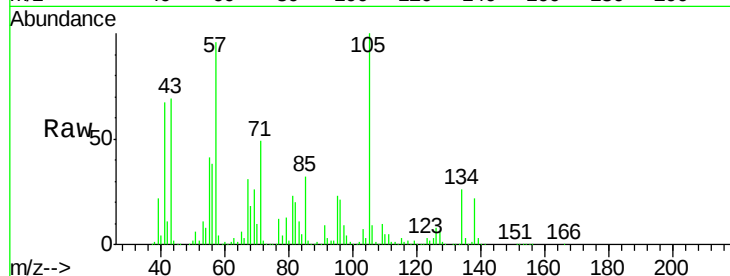




#22
Acetophenone
Concen: 310.92 ng
RT: 8.06 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF075564.D
Acq: 16 Nov 2014 2:09

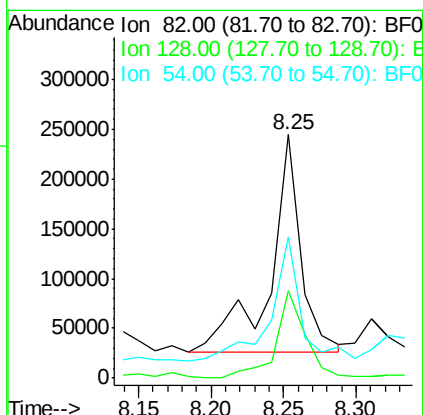
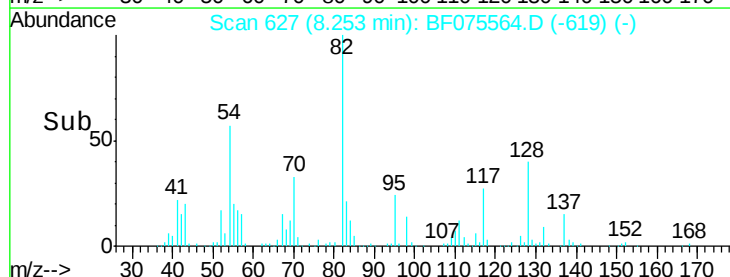
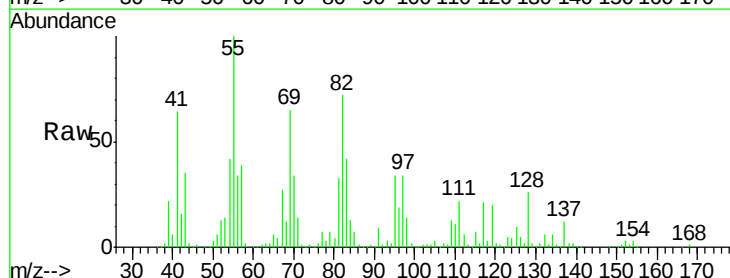
Instrument :
BNA_F
ClientSampled :
T3

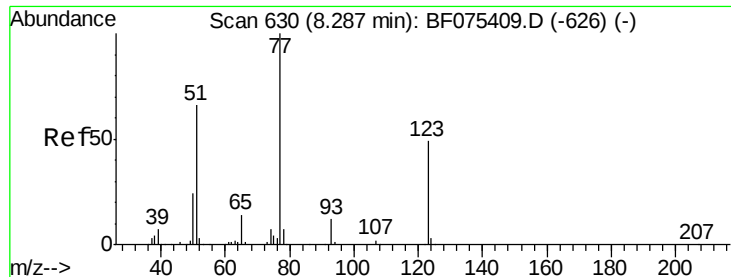
Tgt Ion: 105 Resp: 823258
Ion Ratio Lower Upper
105 100
71 48.7 10.5 15.7#
51 5.9 24.2 36.2#
120 0.2 17.5 26.3#



#23
Nitrobenzene-d5
Concen: 196.10 ng
RT: 8.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF075564.D
Acq: 16 Nov 2014 2:09

Tgt Ion: 82 Resp: 328296
Ion Ratio Lower Upper
82 100
128 35.8 37.8 56.6#
54 57.9 49.8 74.8





#24

Nitrobenzene

Concen: 31.21 ng

RT: 8.26 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampled :

T3

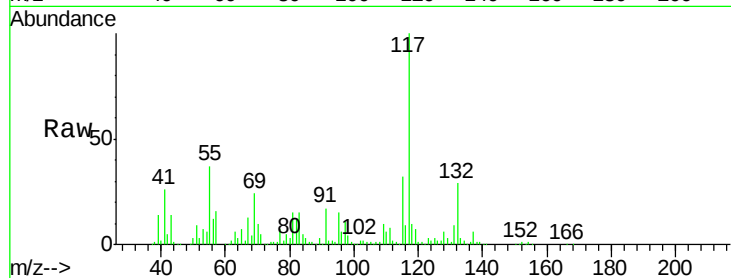
Tgt Ion: 77 Resp: 60556

Ion Ratio Lower Upper

77 100

123 48.3 39.0 58.4

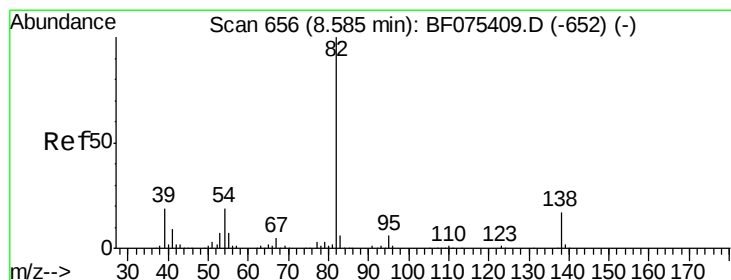
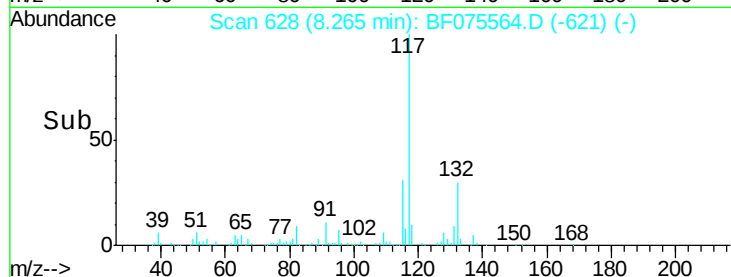
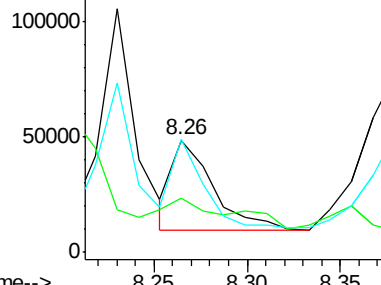
65 101.1 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 55.00 ng

RT: 8.56 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

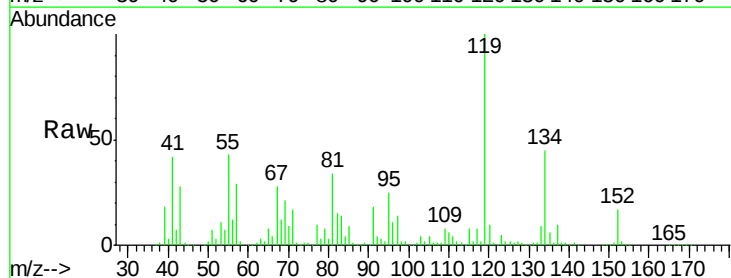
Tgt Ion: 82 Resp: 210250

Ion Ratio Lower Upper

82 100

95 167.9 5.2 7.8#

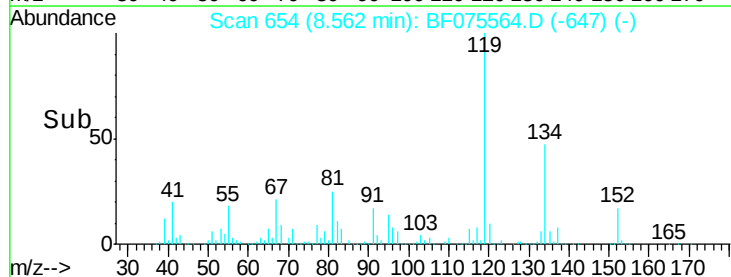
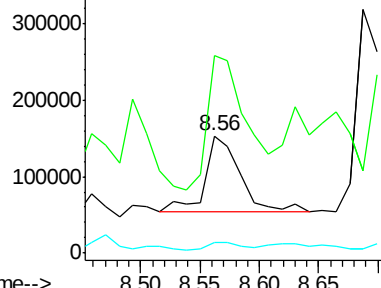
138 8.9 15.0 22.6#

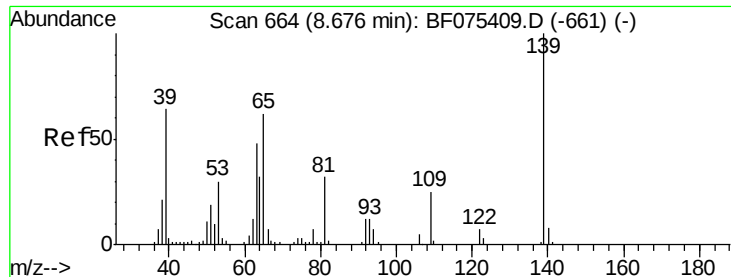


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#26

2-Nitrophenol

Concen: 24.03 ng

RT: 8.71 min Scan# 667

Delta R.T. 0.03 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampled :

T3

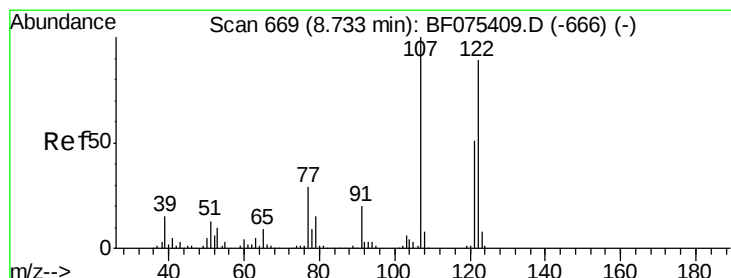
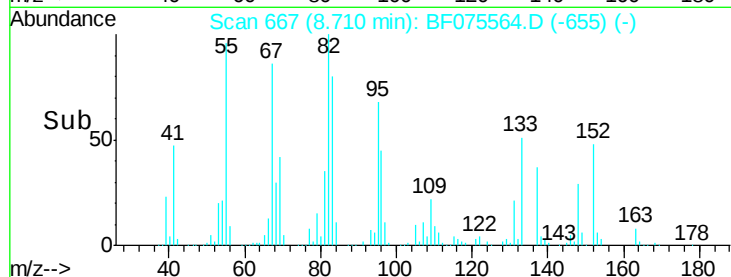
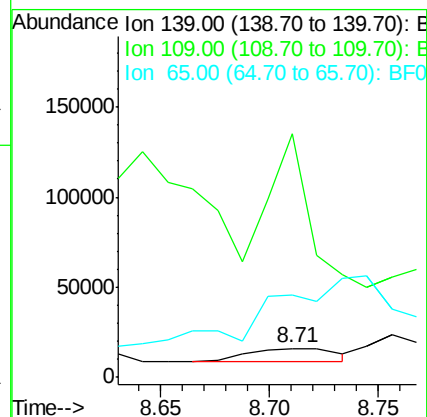
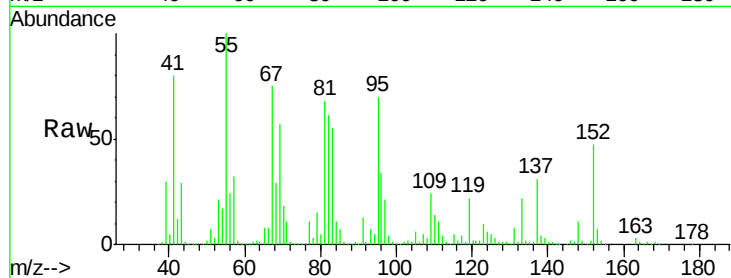
Tgt Ion:139 Resp: 21248

Ion Ratio Lower Upper

139 100

109 837.3 22.3 33.5#

65 284.6 49.1 73.7#



#27

2,4-Dimethylphenol

Concen: 24.22 ng

RT: 8.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

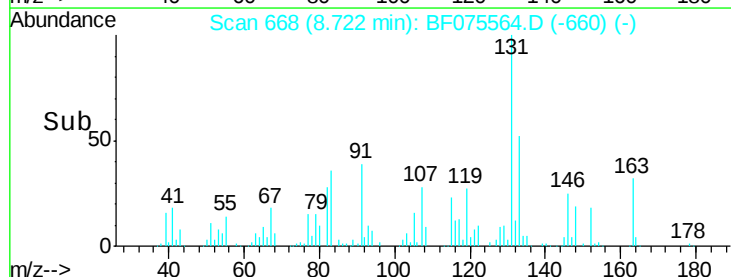
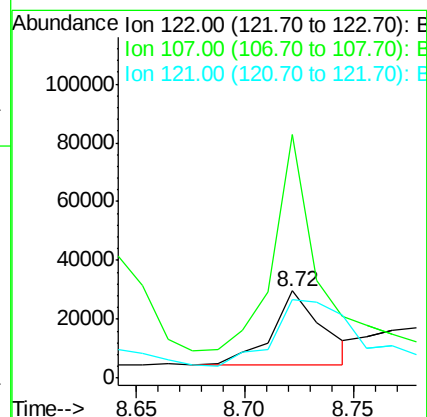
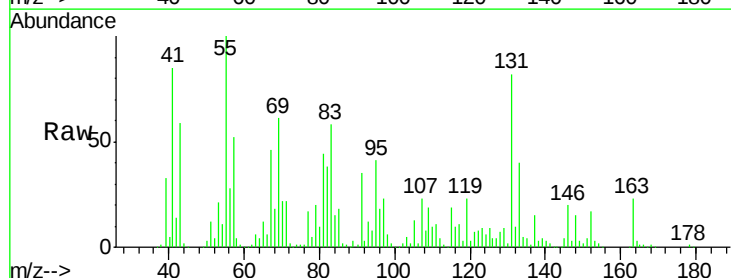
Tgt Ion:122 Resp: 41494

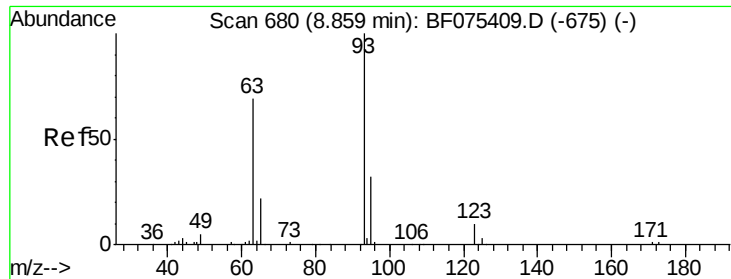
Ion Ratio Lower Upper

122 100

107 279.6 86.5 129.7#

121 90.5 45.4 68.2#





#28

bis(2-Chloroethoxy)methane

Concen: 23.24 ng

RT: 8.90 min Scan# 684

Delta R.T. 0.05 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampled :

T3

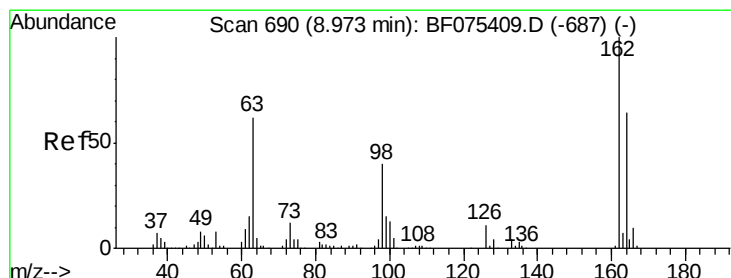
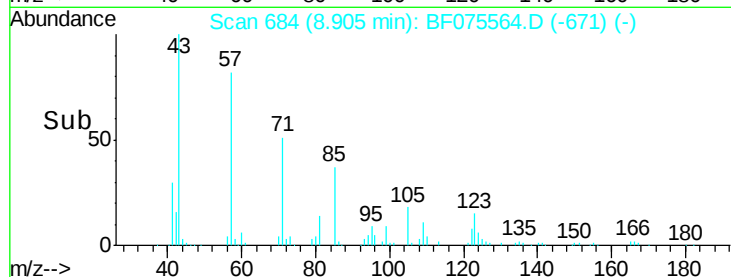
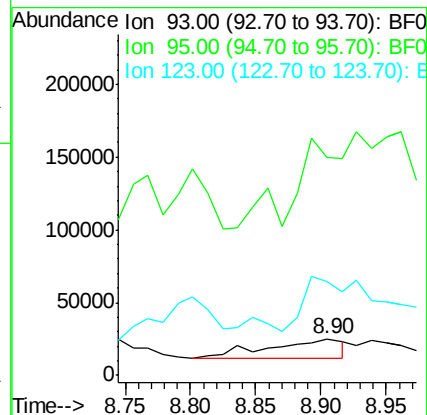
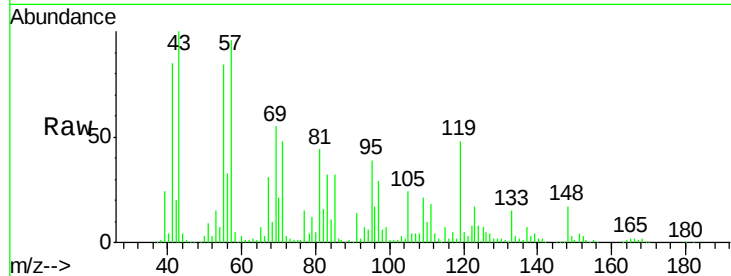
Tgt Ion: 93 Resp: 54129

Ion Ratio Lower Upper

93 100

95 599.1 26.2 39.4#

123 259.1 8.8 13.2#



#29

2,4-Dichlorophenol

Concen: 27.88 ng

RT: 8.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

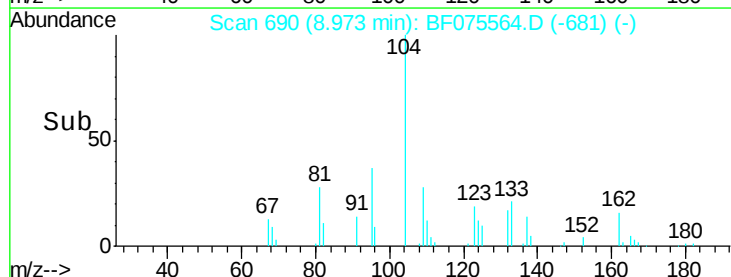
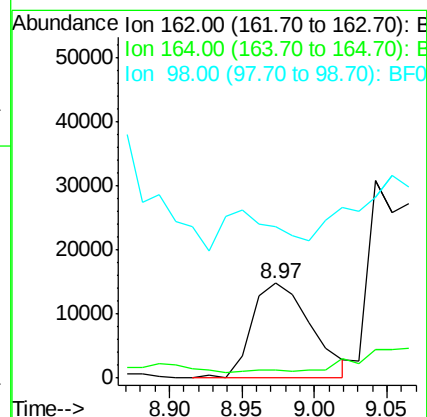
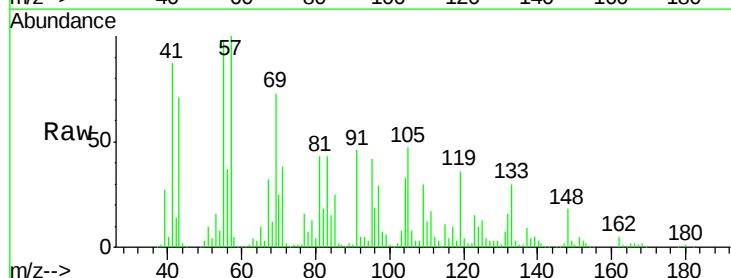
Tgt Ion: 162 Resp: 41856

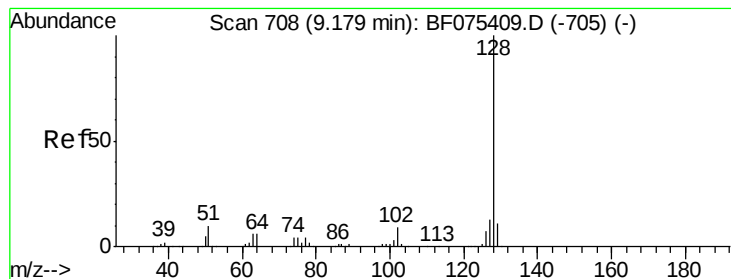
Ion Ratio Lower Upper

162 100

164 9.1 43.8 83.8#

98 159.4 14.6 54.6#





#31

Naphthalene

Concen: 43.96 ng

RT: 9.14 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

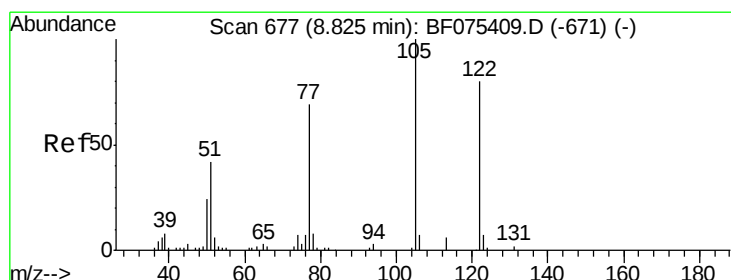
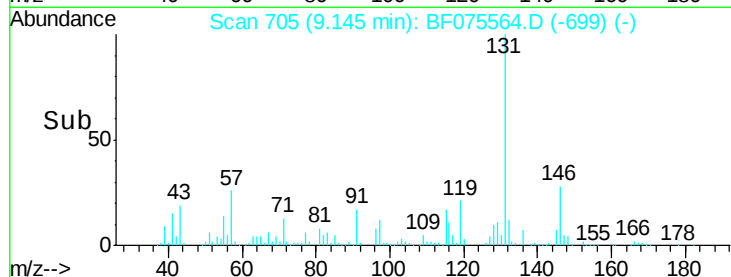
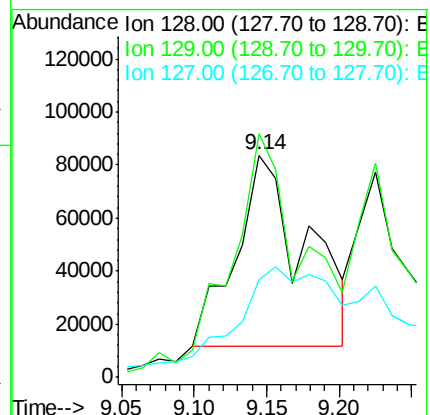
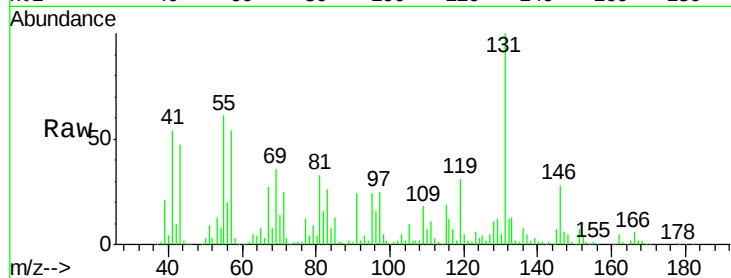
Tgt Ion:128 Resp: 240543

Ion Ratio Lower Upper

128 100

129 109.5 9.0 13.4#

127 43.7 10.2 15.4#



#32

Benzoic acid

Concen: 32.80 ng

RT: 8.79 min Scan# 674

Delta R.T. 0.01 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

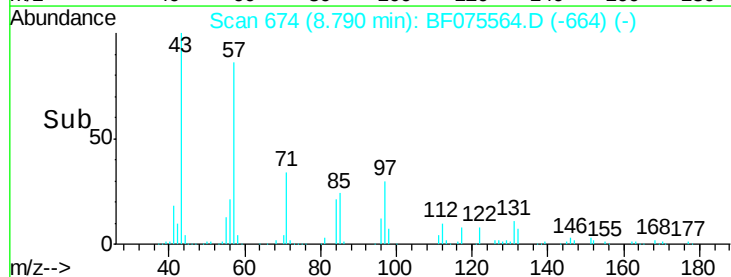
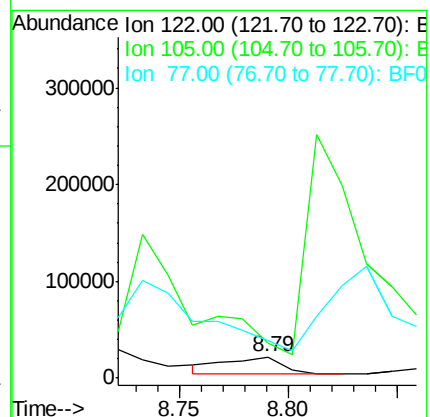
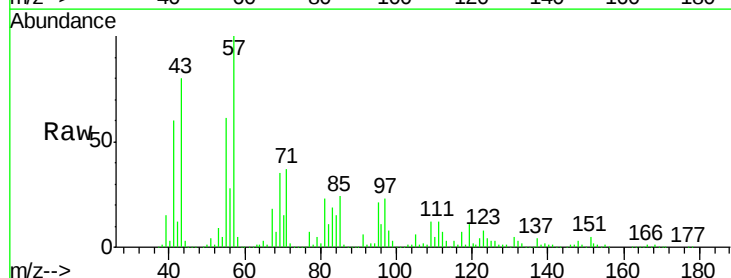
Tgt Ion:122 Resp: 33958

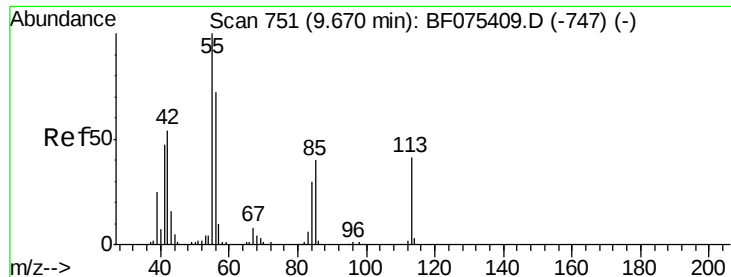
Ion Ratio Lower Upper

122 100

105 169.3 95.1 135.1#

77 179.5 62.6 102.6#





#35

Caprolactam

Concen: 23.63 ng

RT: 9.59 min Scan# 744

Delta R.T. -0.06 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

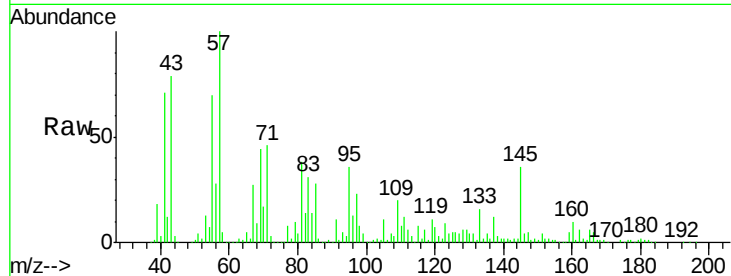
Tgt Ion:113 Resp: 11754

Ion Ratio Lower Upper

113 100

55 2532.2 226.9 266.9#

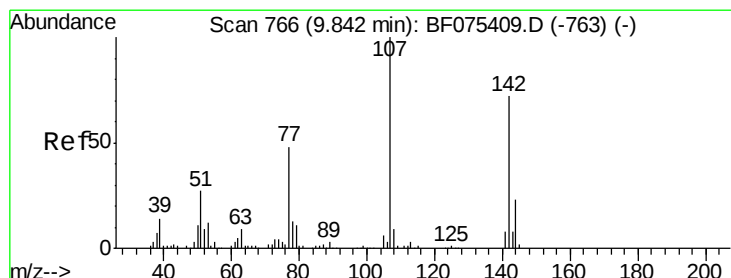
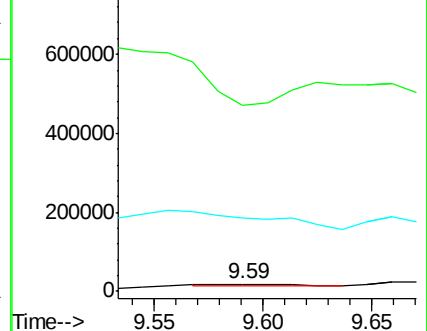
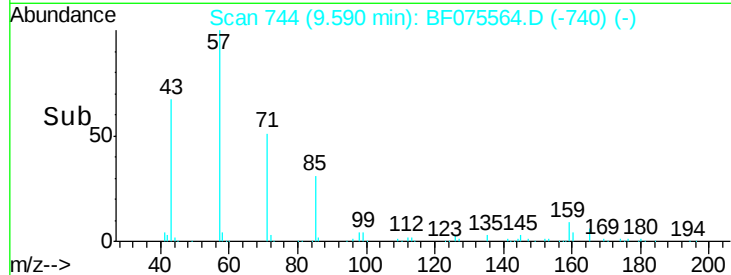
56 999.2 148.4 188.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 16.77 ng

RT: 9.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

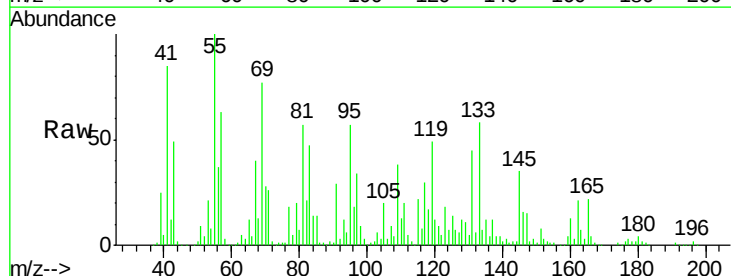
Tgt Ion:107 Resp: 27617

Ion Ratio Lower Upper

107 100

144 17.6 19.1 28.7#

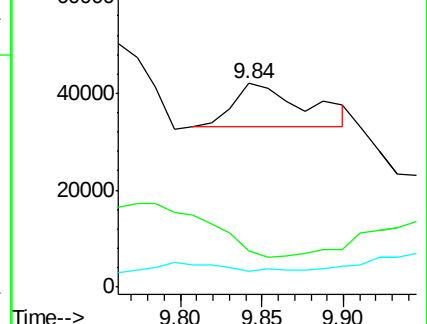
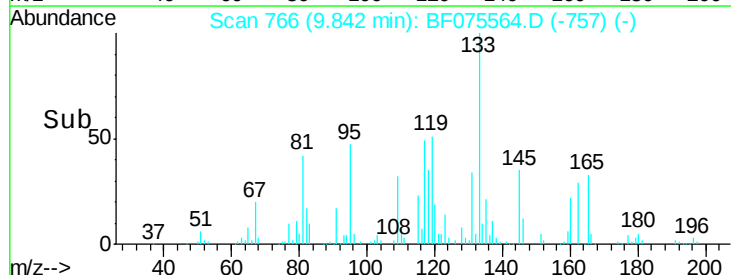
142 7.7 62.9 94.3#

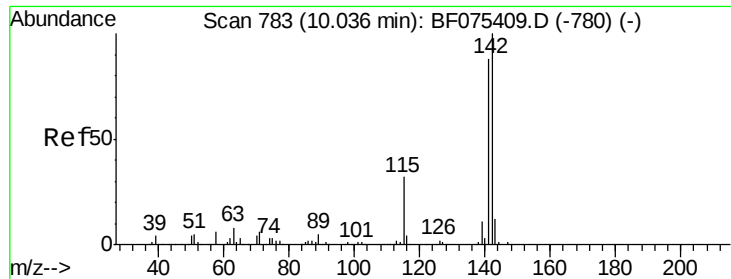


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

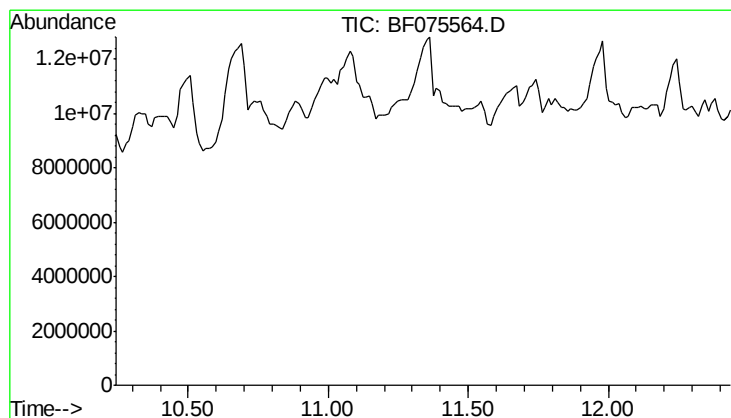
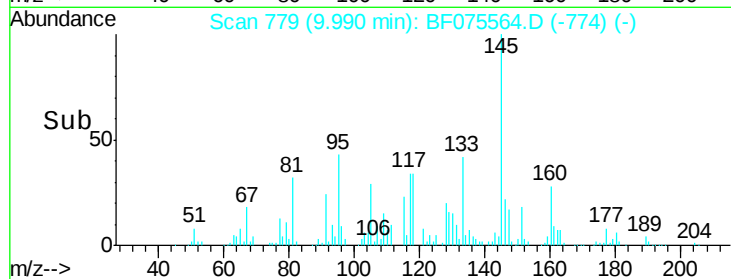
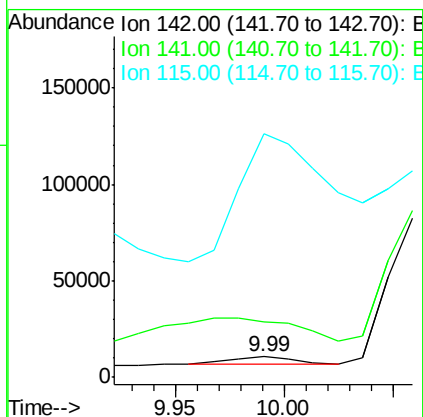
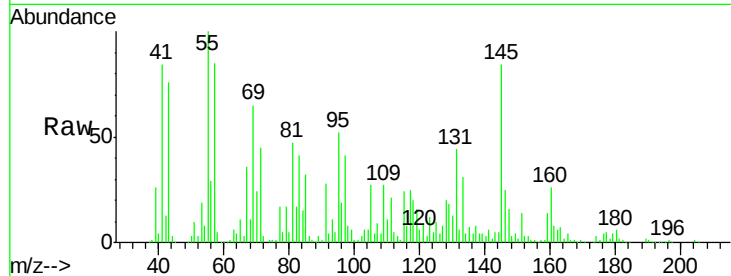




#37
 2-Methylnaphthalene
 Concen: 2.35 ng
 RT: 9.99 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF075564.D
 Acq: 16 Nov 2014 2:09

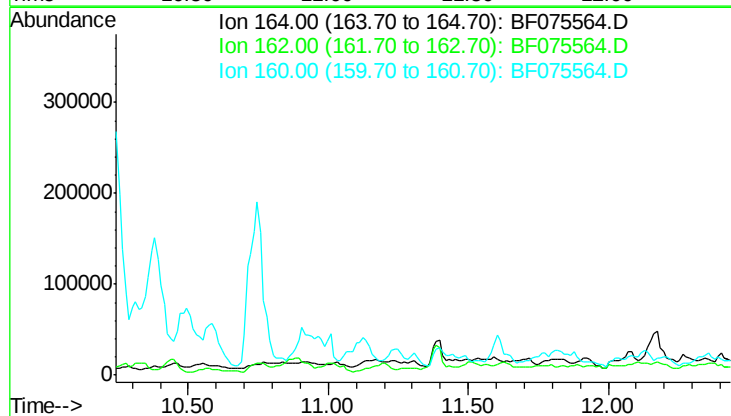
Instrument :
 BNA_F
 ClientSampleId :
 T3

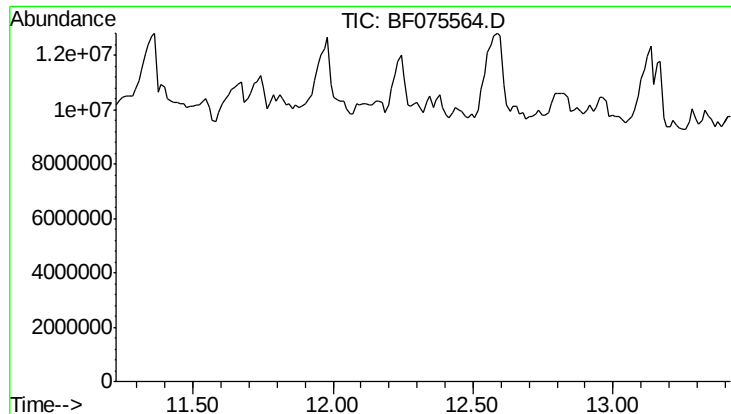
Tgt Ion: 142 Resp: 8759
 Ion Ratio Lower Upper
 142 100
 141 271.8 69.9 104.9#
 115 1189.9 27.6 41.4#



#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 11.34 min
 Lab File: BF075564.D
 Acq: 16 Nov 2014 2:09

Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 98.9
 160 43.2

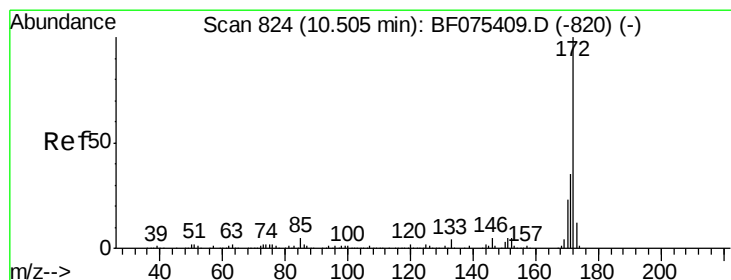
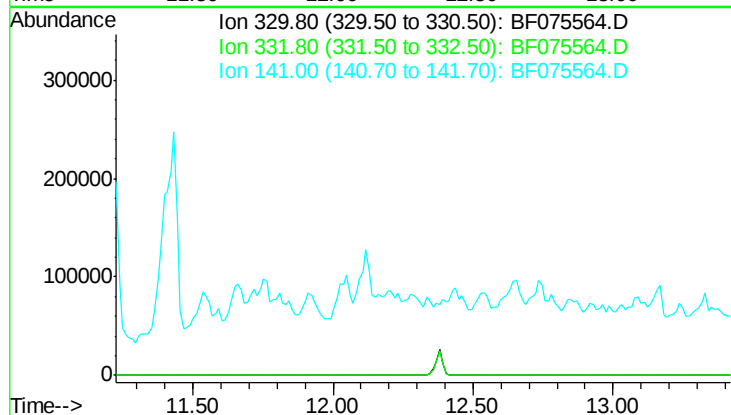




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 12.32 min
 Lab File: BF075564.D
 Acq: 16 Nov 2014 2:09

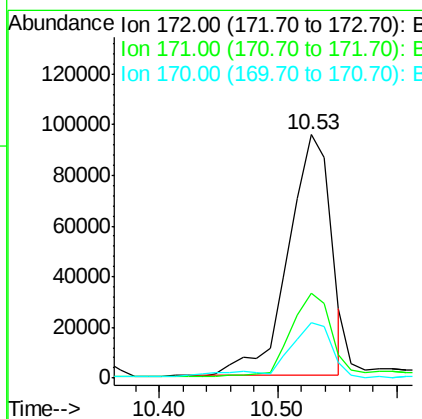
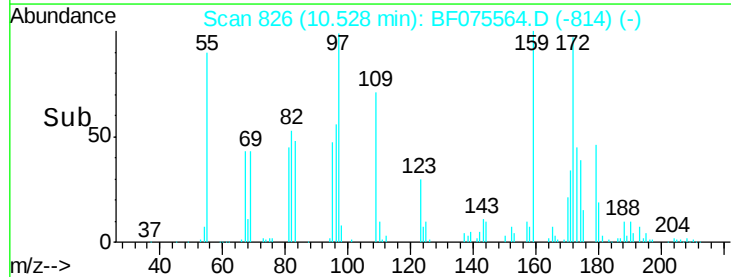
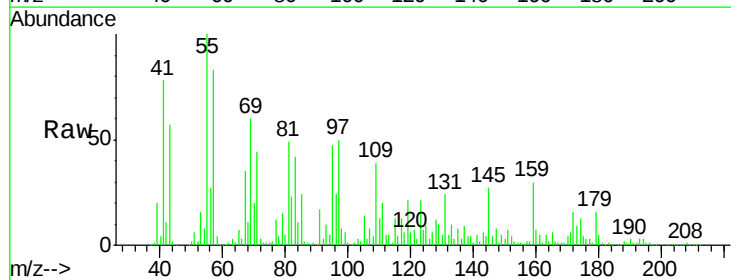
Instrument :
 BNA_F
 ClientSampleId :
 T3

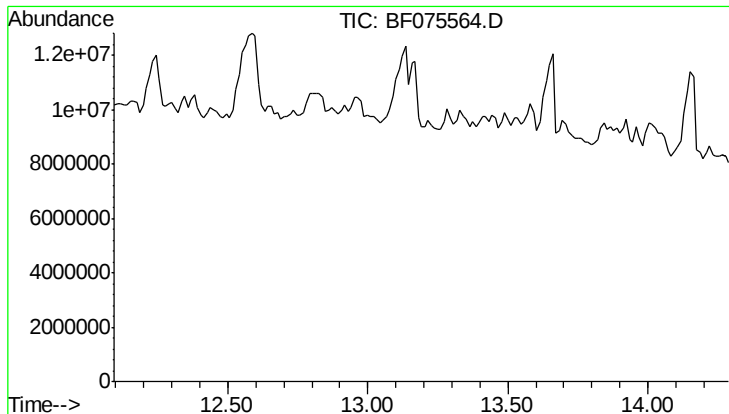
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 93.1
 141 38.4



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 RT: 10.53 min Scan# 826
 Delta R.T. 0.03 min
 Lab File: BF075564.D
 Acq: 16 Nov 2014 2:09

Tgt Ion: 172 Resp: 236646
 Ion Ratio Lower Upper
 172 100
 171 34.9 27.3 40.9
 170 22.7 18.4 27.6

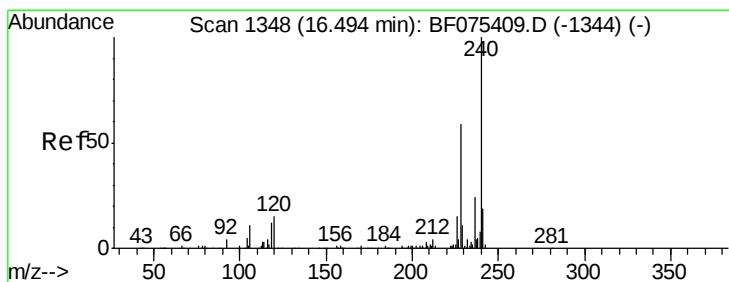
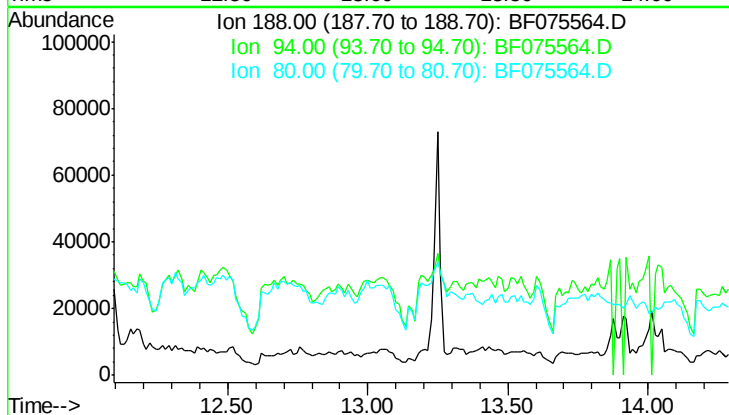




#63
 Phenanthrene-d10
 Concen: 0.00 ng
 Expected RT: 13.19 min
 Lab File: BF075564.D
 Acq: 16 Nov 2014 2:09

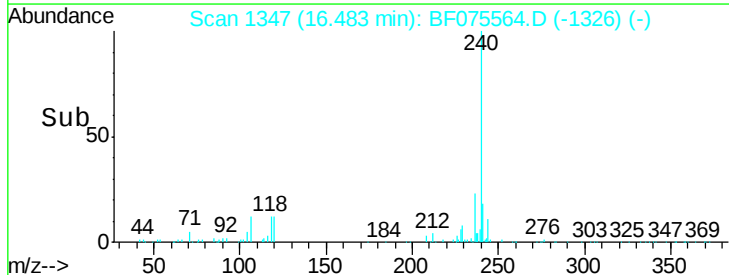
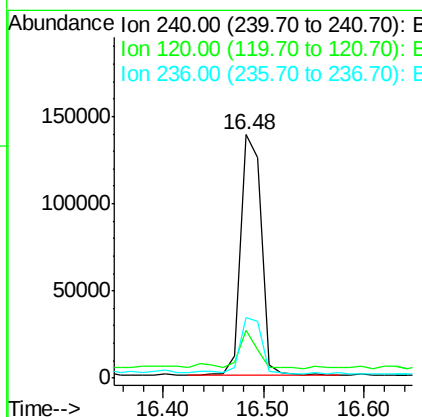
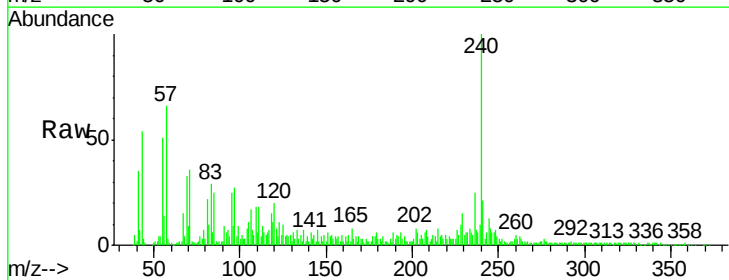
Instrument :
 BNA_F
 ClientSampleId :
 T3

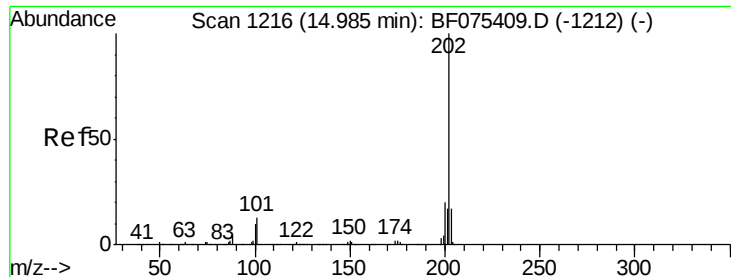
Tgt Ion: 188
 Sig Exp Ratio
 188 100
 94 9.7
 80 10.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.48 min Scan# 1347
 Delta R.T. -0.06 min
 Lab File: BF075564.D
 Acq: 16 Nov 2014 2:09

Tgt Ion: 240 Resp: 194711
 Ion Ratio Lower Upper
 240 100
 120 19.6 9.6 14.4#
 236 25.0 18.9 28.3





#77

Pyrene

Concen: 2.18 ng

RT: 14.89 min Scan# 1208

Delta R.T. -0.09 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

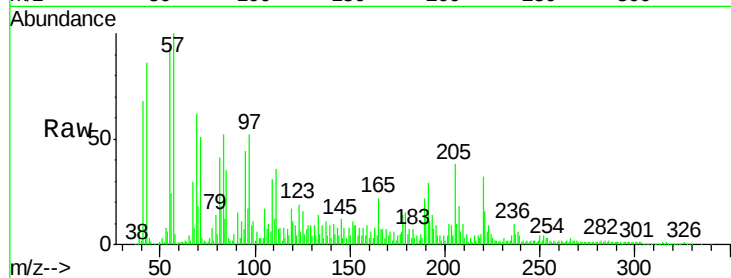
Tgt Ion: 202 Resp: 24683

Ion Ratio Lower Upper

202 100

200 24.7 16.8 25.2

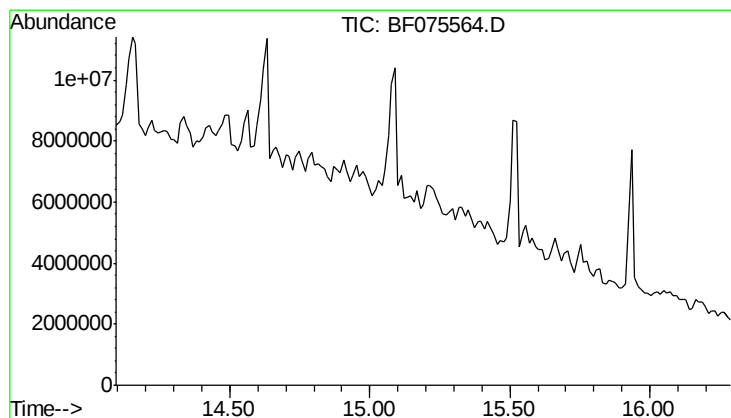
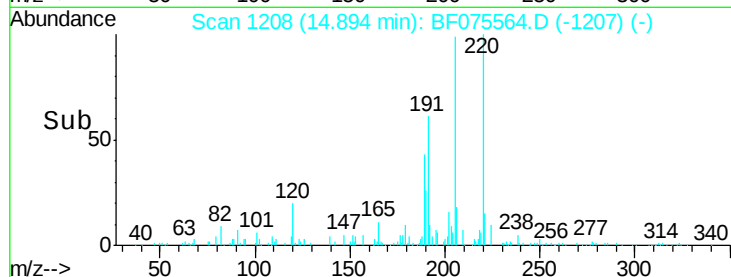
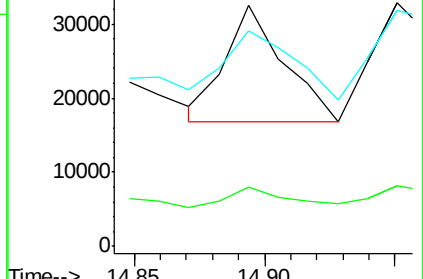
203 89.4 14.3 21.5#



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: 0.00 ng

Expected RT: 15.19 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

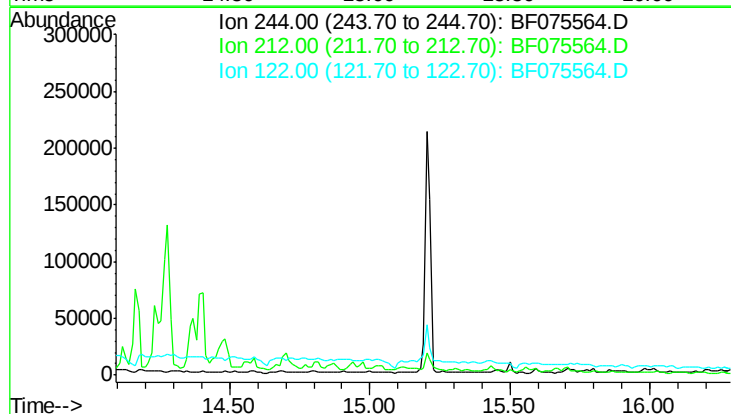
Tgt Ion: 244

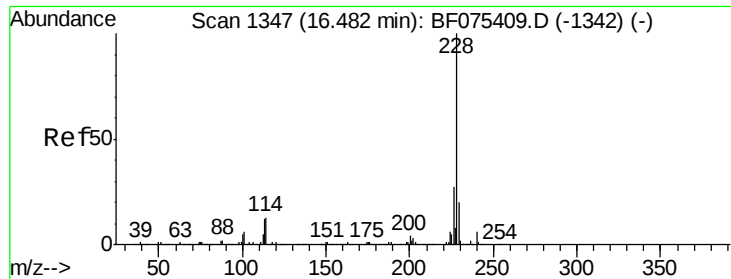
Sig Exp Ratio

244 100

212 6.9

122 12.1





#80

Benzo(a)anthracene

Concen: 5.61 ng

RT: 16.52 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

Instrument :

BNA_F

ClientSampleId :

T3

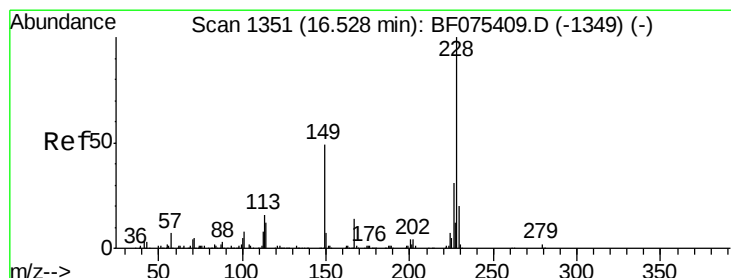
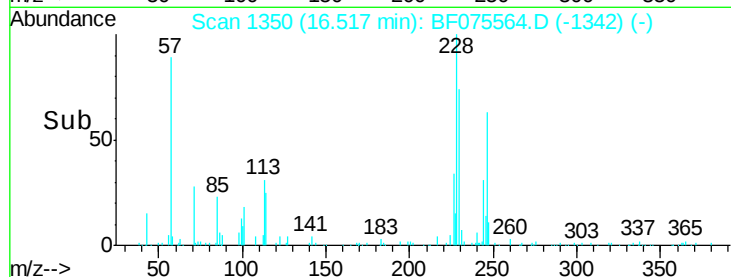
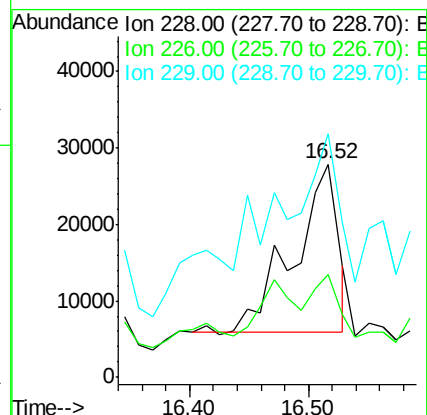
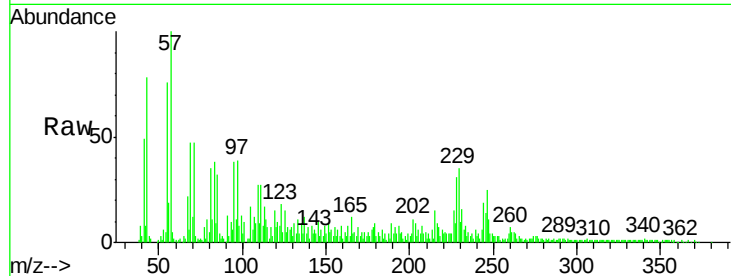
Tgt Ion:228 Resp: 57402

Ion Ratio Lower Upper

228 100

226 48.4 21.8 32.8#

229 114.3 15.3 22.9#



#82

Chrysene

Concen: 7.32 ng

RT: 16.52 min Scan# 1350

Delta R.T. -0.06 min

Lab File: BF075564.D

Acq: 16 Nov 2014 2:09

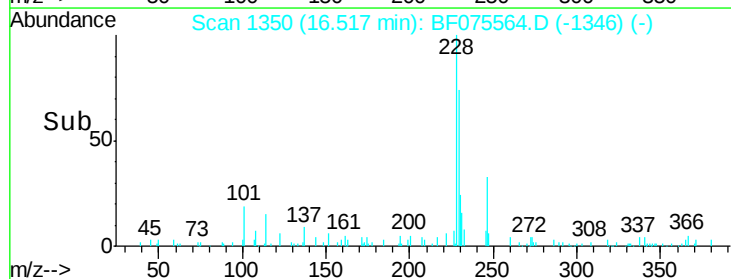
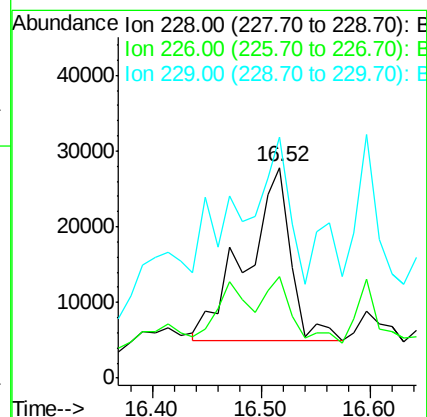
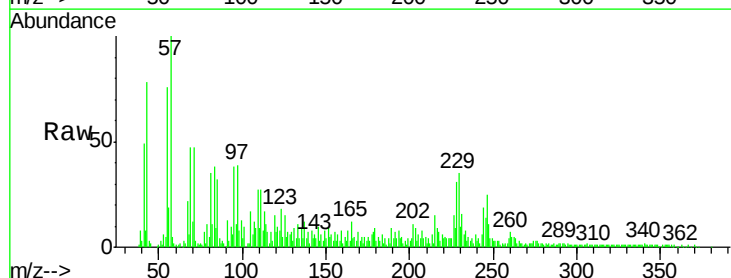
Tgt Ion:228 Resp: 64799

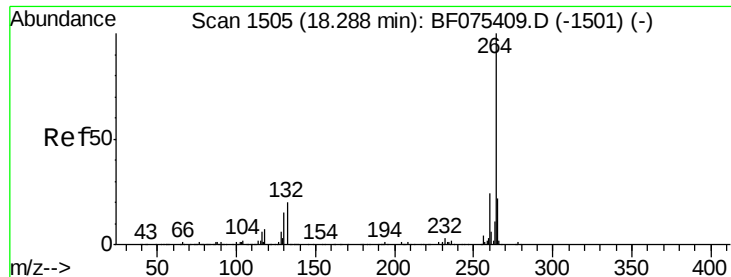
Ion Ratio Lower Upper

228 100

226 48.4 23.8 35.6#

229 114.3 15.8 23.6#





#86
Perylene-d12
Concen: 20.00 ng
RT: 18.23 min Scan# 1500
Delta R.T. -0.21 min
Lab File: BF075564.D
Acq: 16 Nov 2014 2:09

Instrument :
BNA_F
ClientSampleId :
T3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.9	26.9
265	22.1	16.3	24.5

