

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
 Data File : BF082639.D
 Acq On : 2 Nov 2015 19:06
 Operator : UM/IZ
 Sample : G4234-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-2

Quant Time: Nov 03 02:30:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	201647	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	721969	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	326734	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	543282	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	419670	20.00	ng	-0.01
86) Perylene-d12	15.51	264	388344	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1507571	112.60	ng	0.00
7) Phenol-d6	6.52	99	2154902	121.15	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1753920	99.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	340333	95.18	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2163626	94.02	ng	-0.01
78) Terphenyl-d14	13.01	244	1633706	85.19	ng	-0.01

Target Compounds				Qvalue		
9) Benzaldehyde	6.66	77	52315	4.31	ng	86
15) Benzyl Alcohol	7.05	79	52800	3.18	ng	# 54
18) Hexachloroethane	7.44	117	25992	4.07	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	249256	18.49	ng	# 72
31) Naphthalene	8.21	128	7145574	182.91	ng	# 83
33) 4-Chloroaniline	8.21	127	1310824	78.59	ng	# 29
37) 2-Methylnaphthalene	8.90	142	2081488	82.21	ng	98
45) 1,1'-Biphenyl	9.36	154	461298	16.71	ng	97
48) Acenaphthylene	9.79	152	613022	17.78	ng	97
49) Dimethylphthalate	9.65	163	681316	25.53	ng	98
50) 2,6-Dinitrotoluene	9.65	165	13202	2.39	ng	# 1
51) Acenaphthene	9.97	154	887524	40.56	ng	96
53) 2,4-Dinitrophenol	10.17	184	226	6.76	ng	# 1
54) Dibenzofuran	10.13	168	1102408	37.13	ng	98
55) 4-Nitrophenol	10.13	139	461466	99.67	ng	# 3
57) Fluorene	10.49	166	1411043	58.91	ng	98
61) 4-Nitroaniline	10.49	138	19332	3.29	ng	# 8
65) n-Nitrosodiphenylamine	10.57	169	44012	2.36	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	20594	3.34	ng	# 1
70) Phenanthrene	11.45	178	4072924	132.92	ng	97
71) Anthracene	11.49	178	1227156	39.77	ng	99
72) Carbazole	11.64	167	652895	24.29	ng	99
74) Fluoranthene	12.65	202	2515786	80.31	ng	98
77) Pyrene	12.87	202	2023766	65.12	ng	98
80) Benzo(a)anthracene	14.05	228	1353382	50.77	ng	94
82) Chrysene	14.05	228	1353382	56.01	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	296563	14.87	ng	97
87) Benzo(b)fluoranthene	15.09	252	1105125	41.27	ng	# 97
88) Benzo(k)fluoranthene	15.09	252	1105125	54.17	ng	# 96
89) Benzo(a)pyrene	15.45	252	649081	30.78	ng	96
90) Dibenzo(a,h)anthracene	17.11	278	75977	3.86	ng	94
91) Benzo(g,h,i)perylene	17.36	276	253824	13.31	ng	99

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082639.D
Acq On : 2 Nov 2015 19:06
Operator : UM/IZ
Sample : G4234-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DS-2

Quant Time: Nov 03 02:30:01 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration

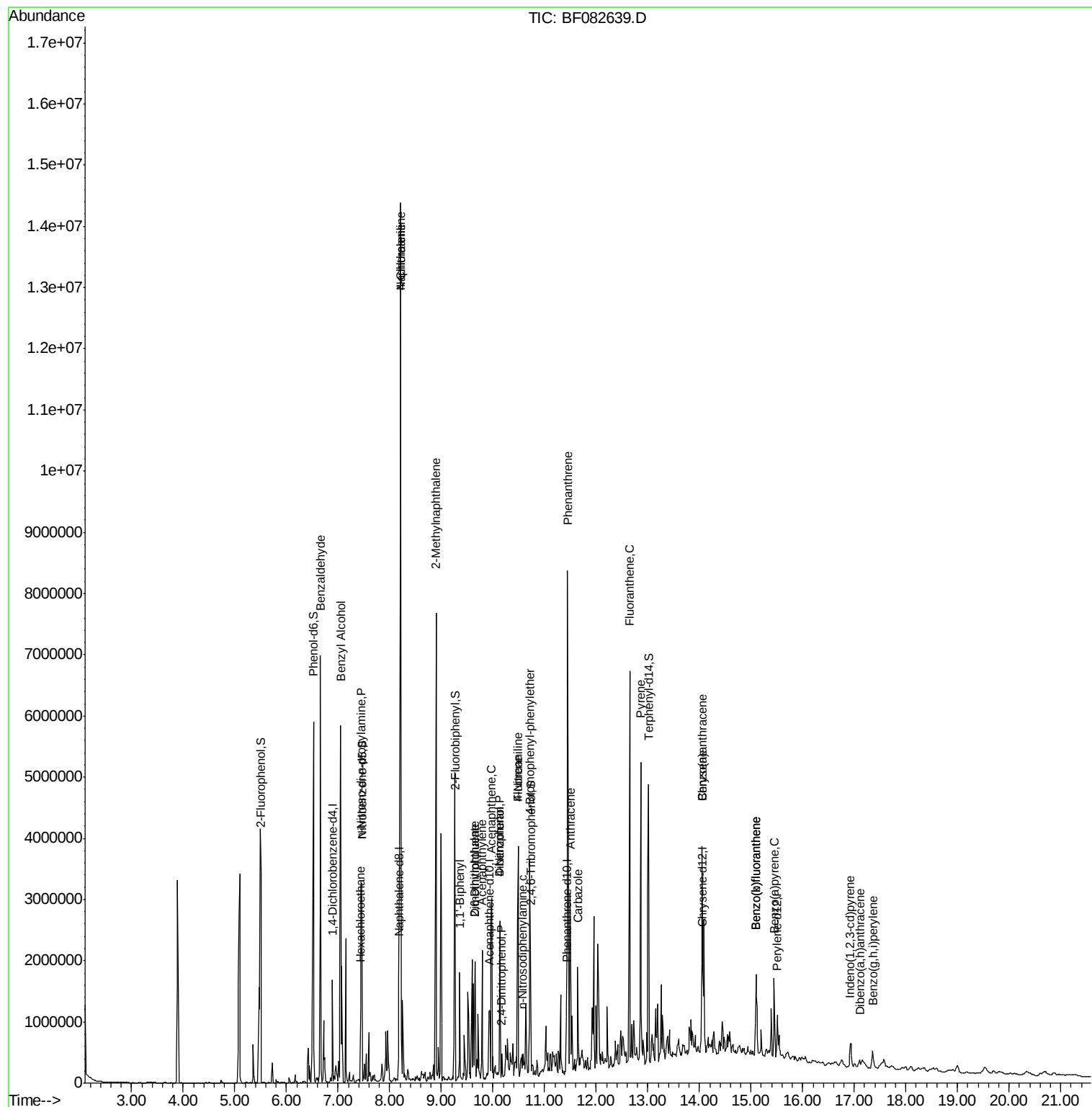
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

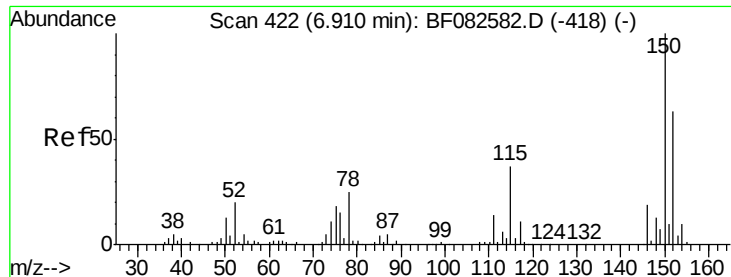
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082639.D
Acq On : 2 Nov 2015 19:06
Operator : UM/IZ
Sample : G4234-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DS-2

Quant Time: Nov 03 02:30:01 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

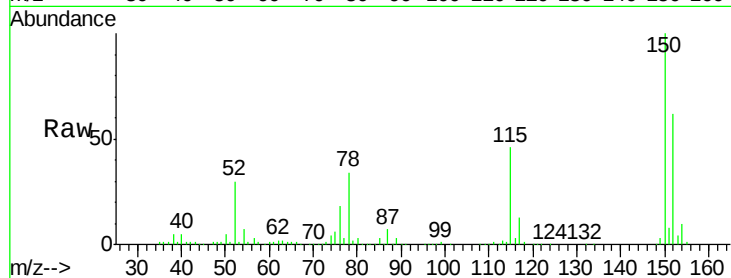
Tgt Ion:152 Resp: 201647

Ion Ratio Lower Upper

152 100

150 161.5 127.0 190.4

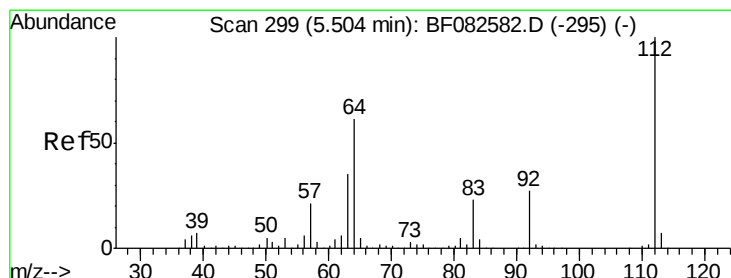
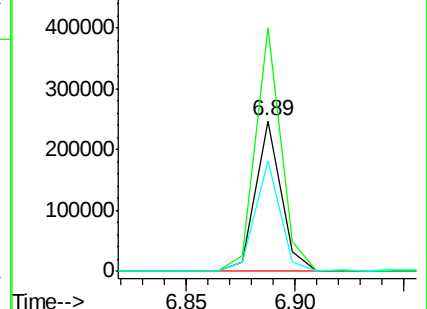
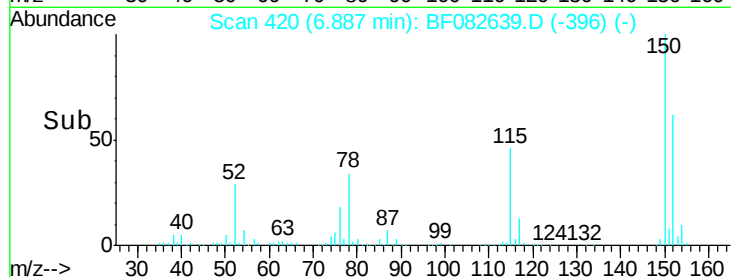
115 73.5 47.0 70.6#



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: 112.60 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.00 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

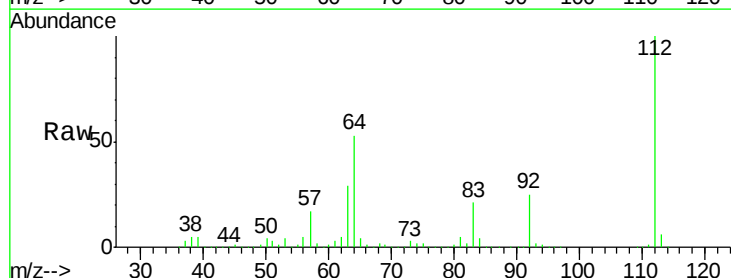
Tgt Ion:112 Resp: 1507571

Ion Ratio Lower Upper

112 100

64 52.9 48.9 73.3

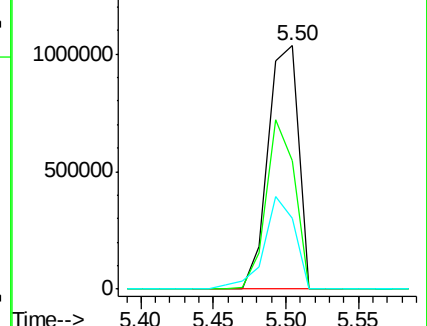
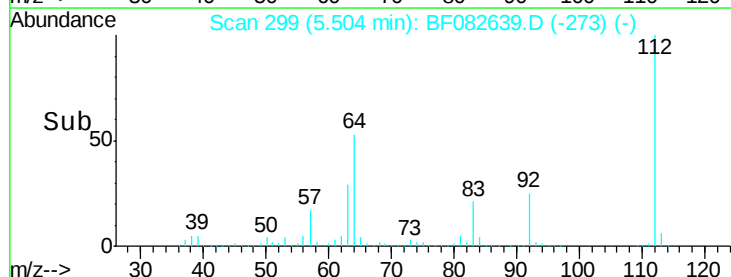
63 29.1 28.1 42.1

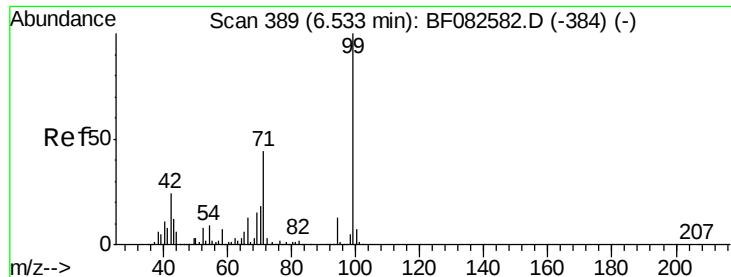


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.15 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

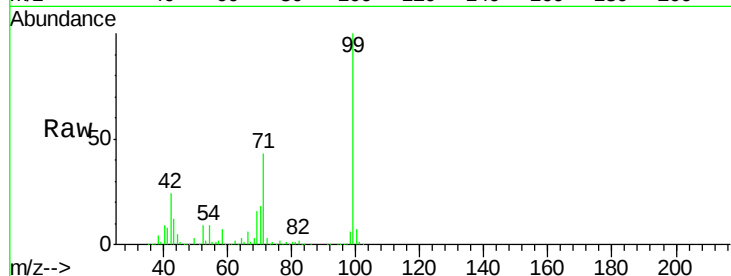
Tgt Ion: 99 Resp: 2154902

Ion Ratio Lower Upper

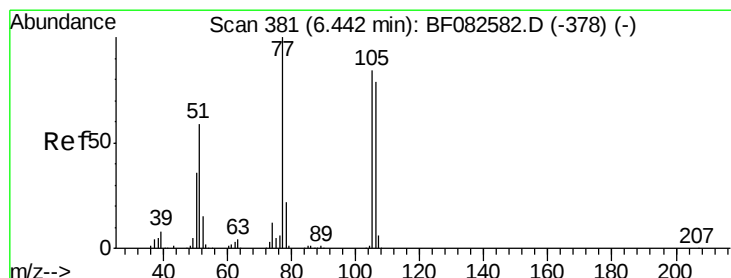
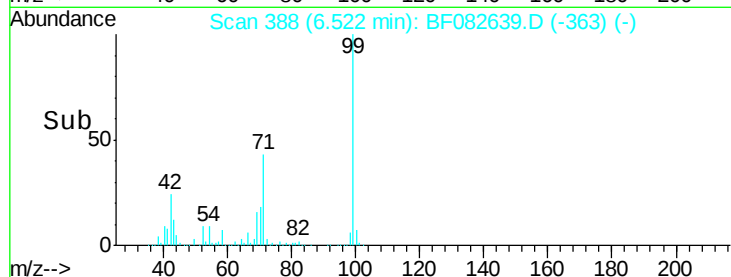
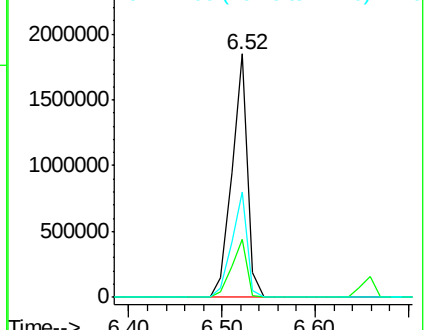
99 100

42 24.0 19.2 28.8

71 43.4 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: 4.31 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.22 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

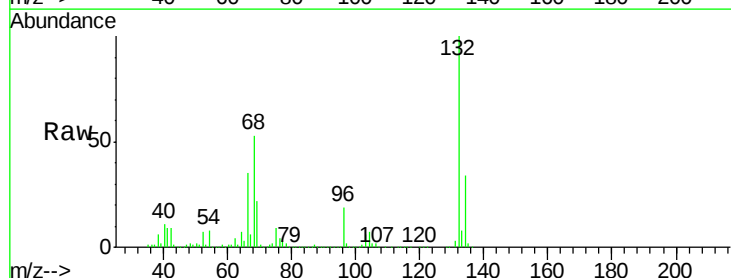
Tgt Ion: 77 Resp: 52315

Ion Ratio Lower Upper

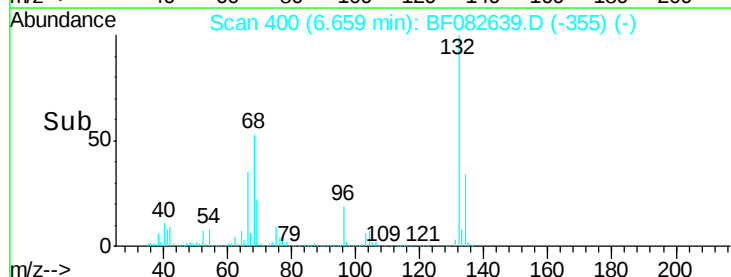
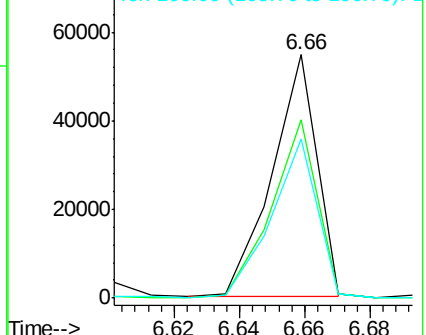
77 100

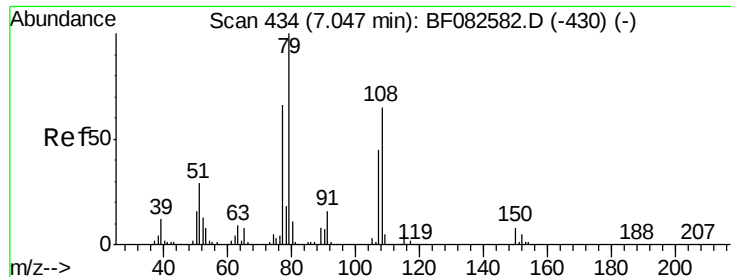
105 73.1 63.5 103.5

106 65.4 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 3.18 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

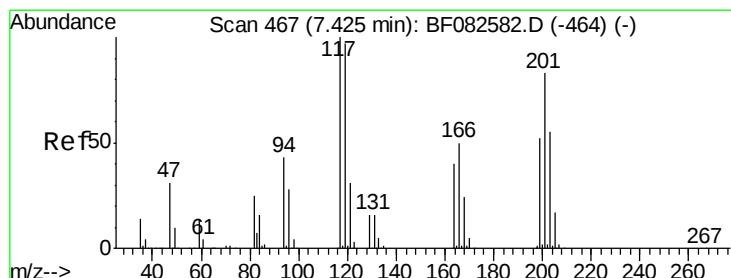
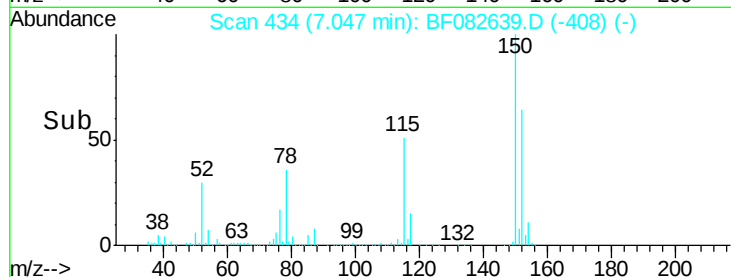
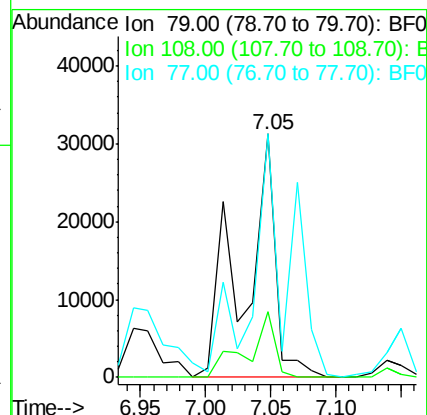
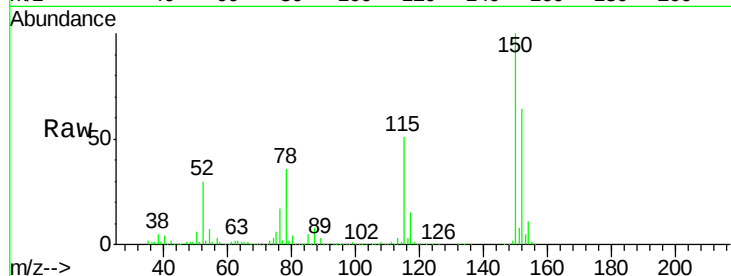
Tgt Ion: 79 Resp: 52800

Ion Ratio Lower Upper

79 100

108 27.0 52.2 78.4#

77 100.0 52.7 79.1#



#18

Hexachloroethane

Concen: 4.07 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

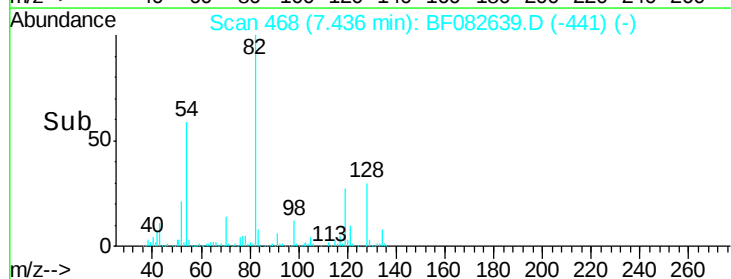
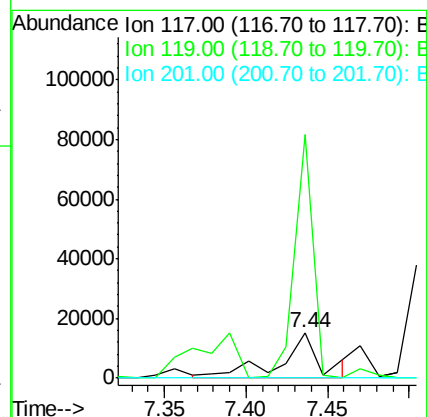
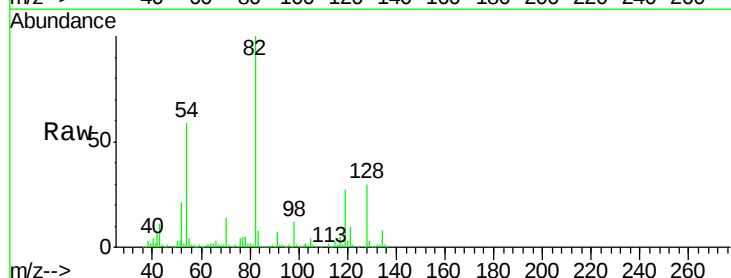
Tgt Ion: 117 Resp: 25992

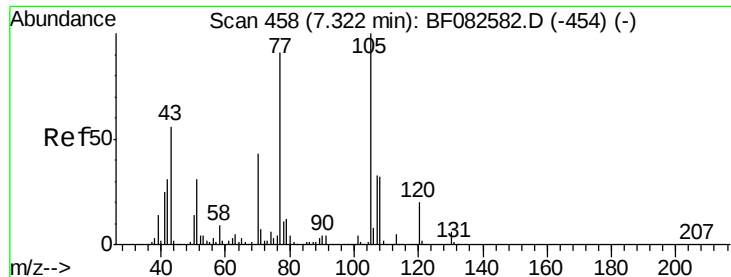
Ion Ratio Lower Upper

117 100

119 534.8 77.7 116.5#

201 0.0 66.7 100.1#

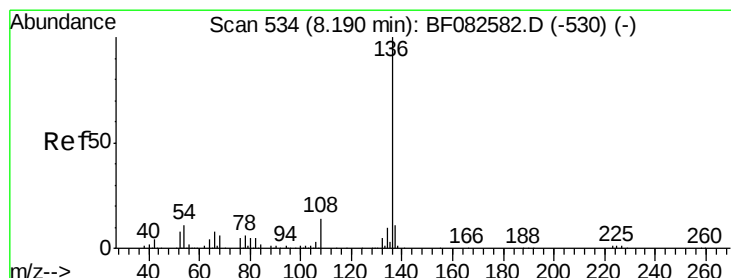
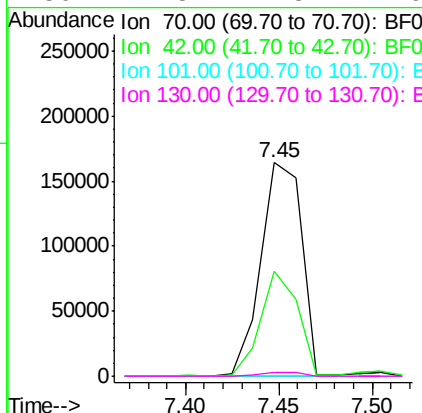
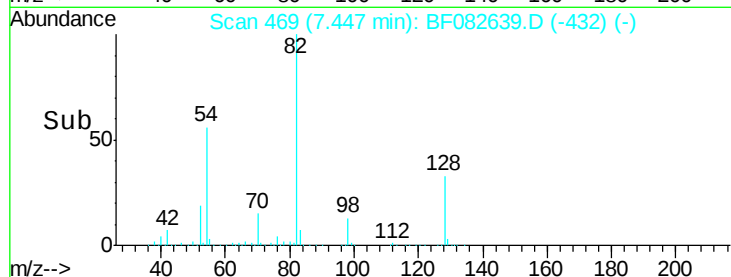
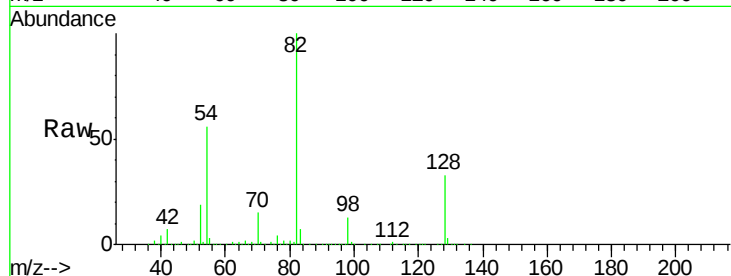




#19
n-Nitroso-di-n-propylamine
Concen: 18.49 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.13 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

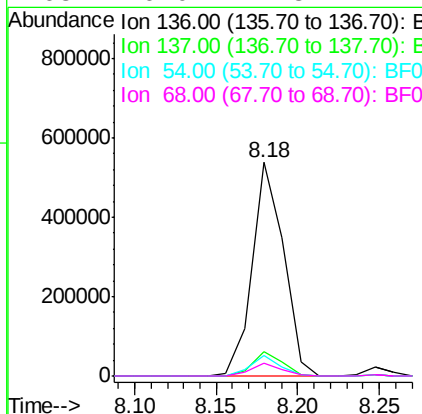
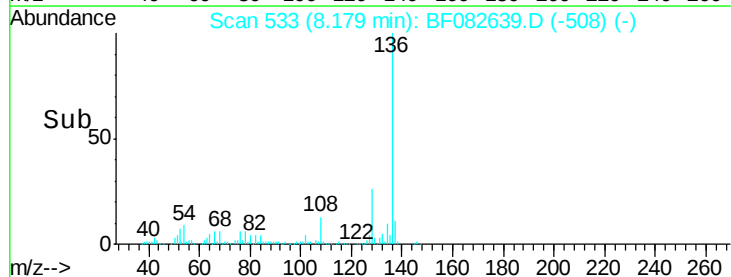
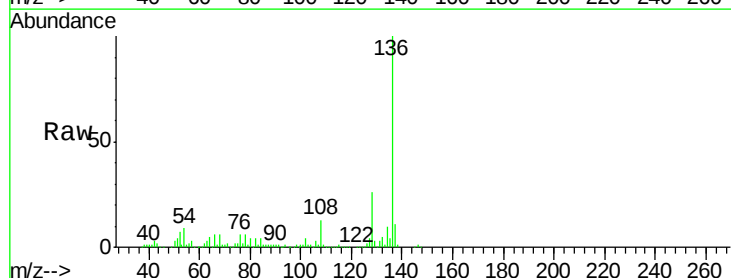
Instrument :
BNA_F
ClientSampleId :
DS-2

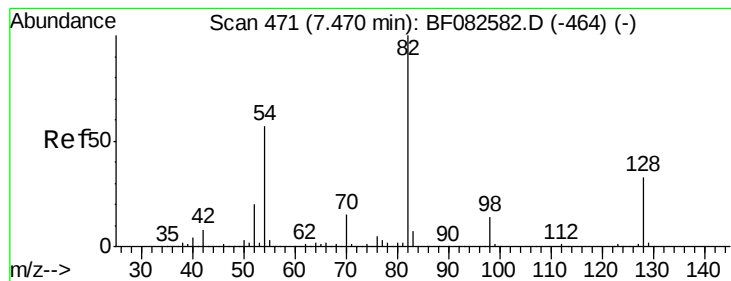
Tgt Ion: 70 Resp: 249256
Ion Ratio Lower Upper
70 100
42 49.3 57.7 86.5#
101 0.0 7.0 10.6#
130 1.8 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion: 136 Resp: 721969
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.5 9.1 13.7
68 6.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 99.20 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleID :

DS-2

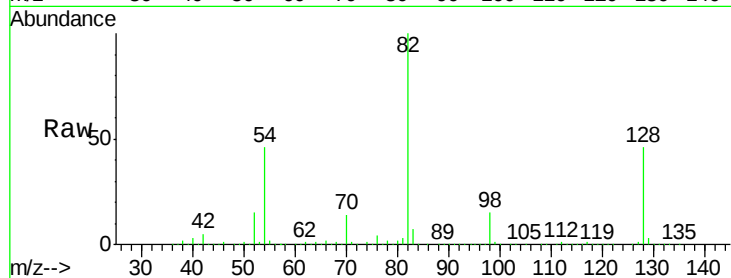
Tgt Ion: 82 Resp: 1753920

Ion Ratio Lower Upper

82 100

128 45.8 26.8 40.2#

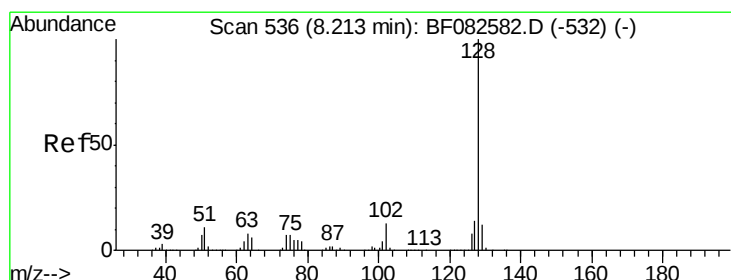
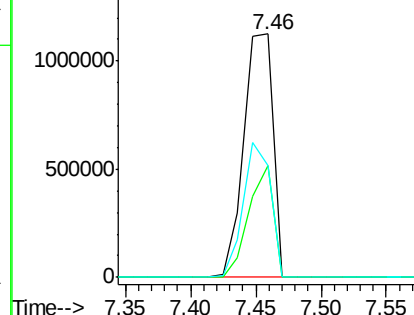
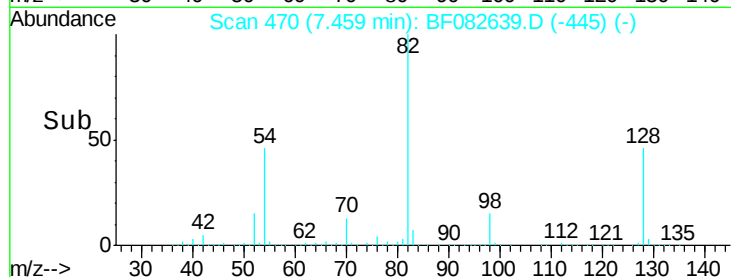
54 45.9 45.7 68.5



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



#31

Naphthalene

Concen: 182.91 ng

RT: 8.21 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

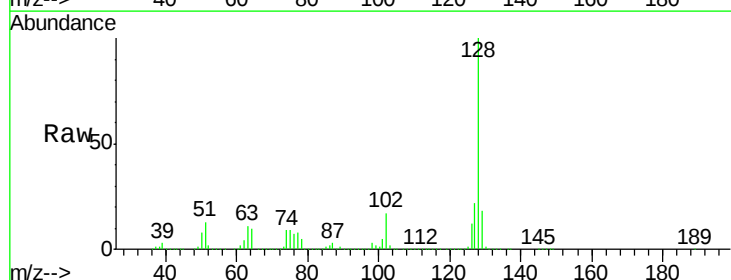
Tgt Ion: 128 Resp: 7145574

Ion Ratio Lower Upper

128 100

129 17.9 9.5 14.3#

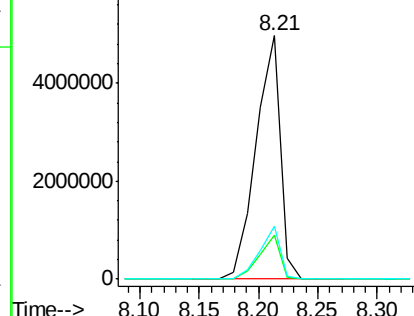
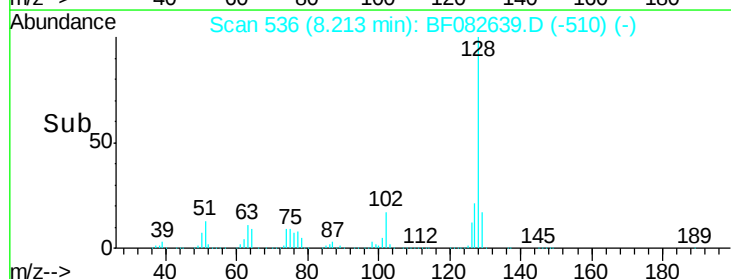
127 21.6 11.4 17.0#

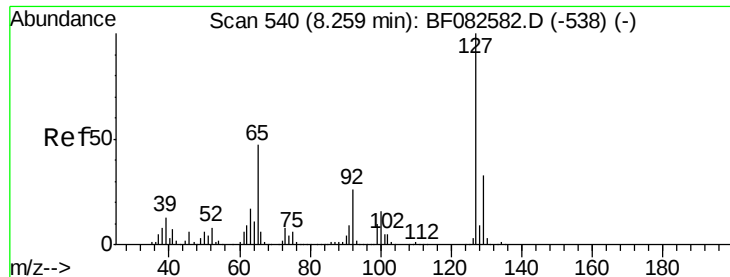


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

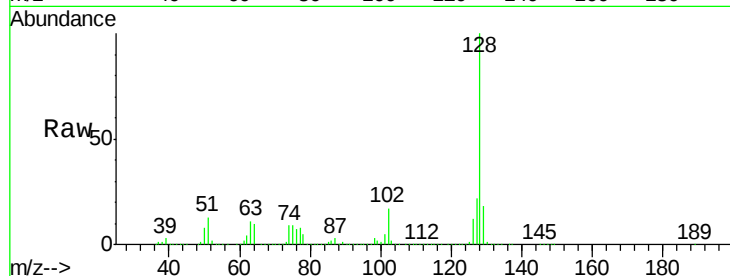




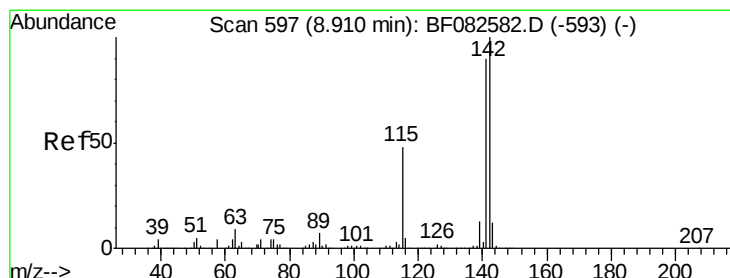
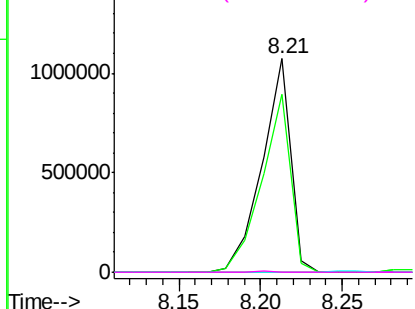
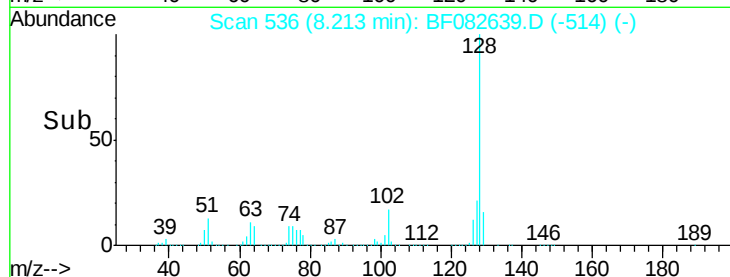
#33
4-Chloroaniline
Concen: 78.59 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.05 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Instrument :
BNA_F
ClientSampleId :
DS-2

Tgt Ion:127 Resp: 1310824
Ion Ratio Lower Upper
127 100
129 83.0 26.3 39.5#
65 0.0 37.8 56.8#
92 0.1 20.6 31.0#

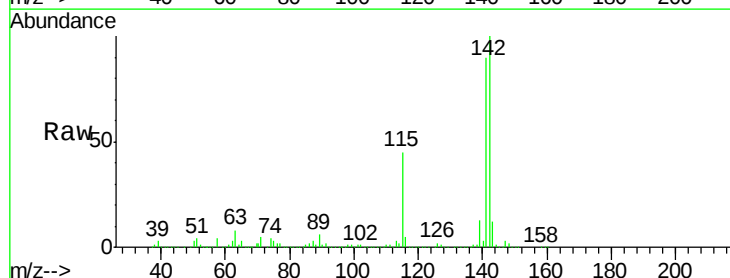


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

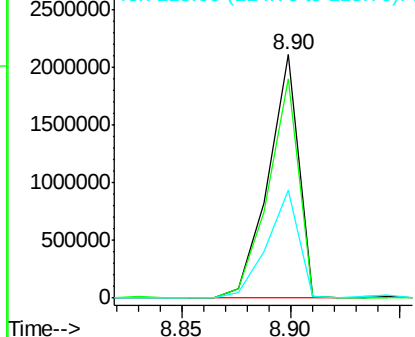
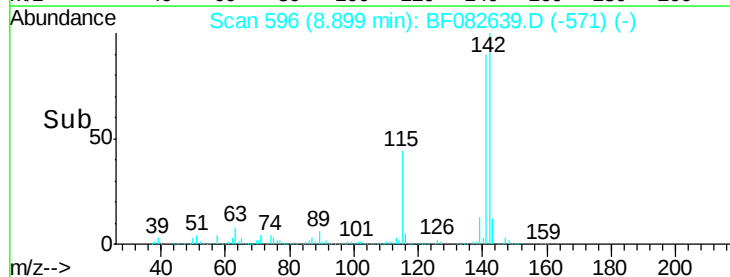


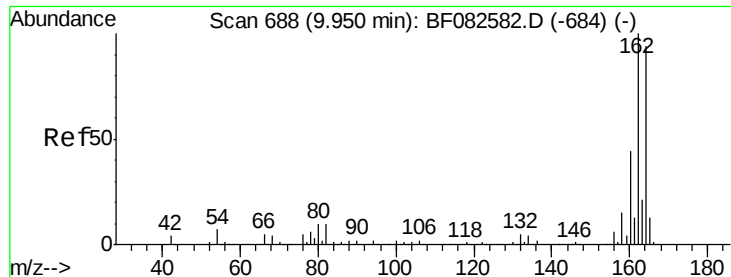
#37
2-Methylnaphthalene
Concen: 82.21 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:142 Resp: 2081488
Ion Ratio Lower Upper
142 100
141 90.3 72.3 108.5
115 44.6 38.1 57.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

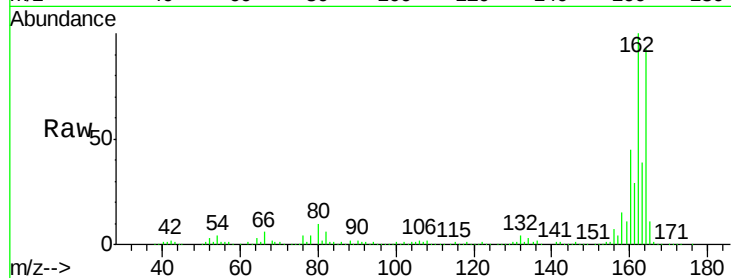
Tgt Ion:164 Resp: 326734

Ion Ratio Lower Upper

164 100

162 108.0 84.9 127.3

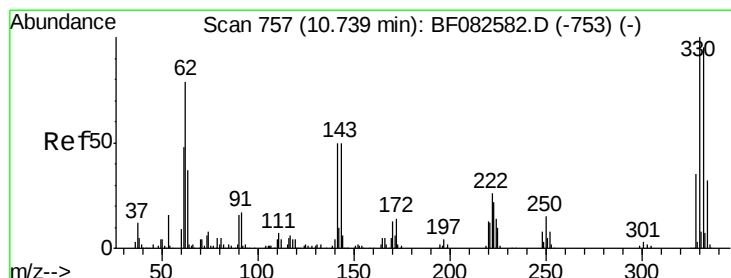
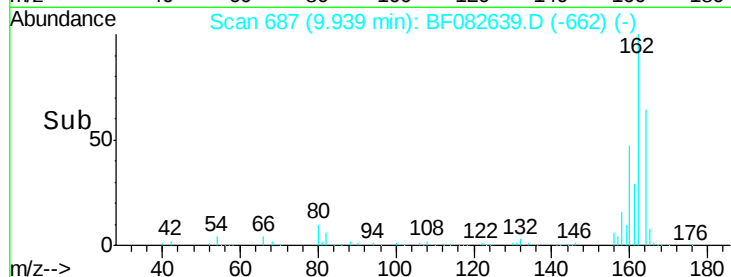
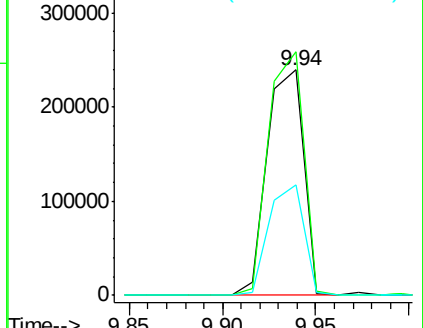
160 48.8 37.5 56.3



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: 95.18 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

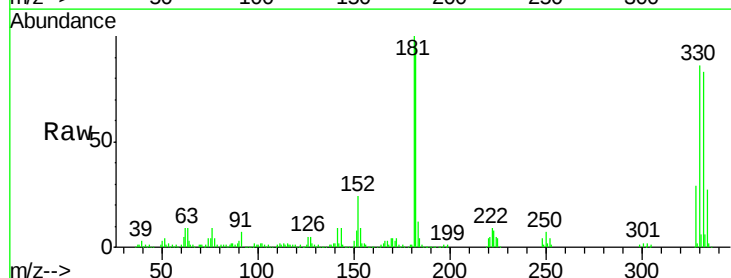
Tgt Ion:330 Resp: 340333

Ion Ratio Lower Upper

330 100

332 95.3 76.6 114.8

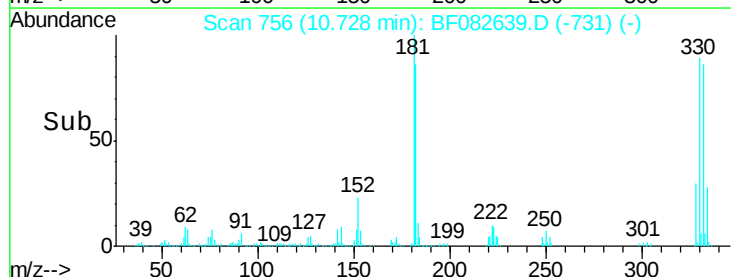
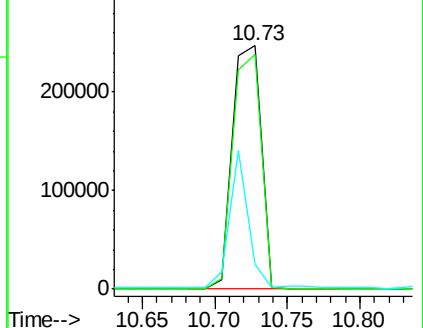
141 37.4 41.2 61.8#

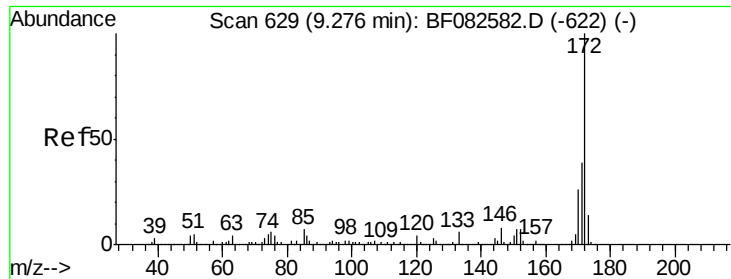


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

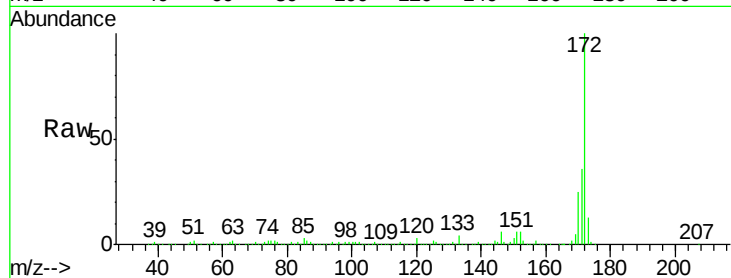




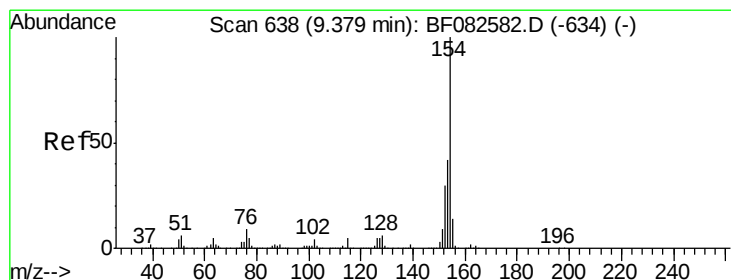
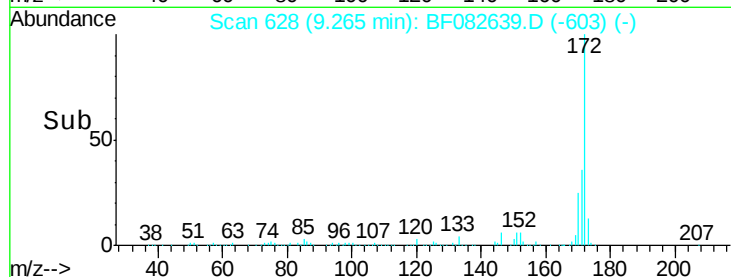
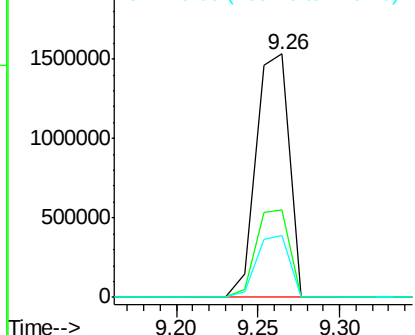
#44
 2-Fluorobiphenyl
 Concen: 94.02 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

Instrument :
 BNA_F
 ClientSampleId :
 DS-2

Tgt Ion:172 Resp: 2163626
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.8 46.2
 170 25.2 21.2 31.8

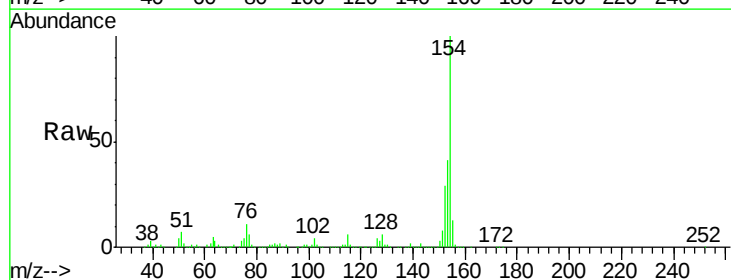


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

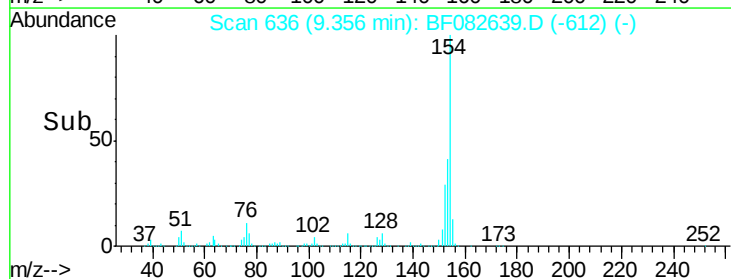
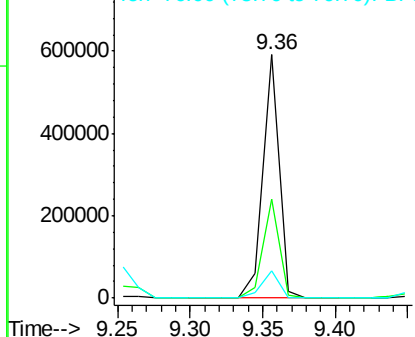


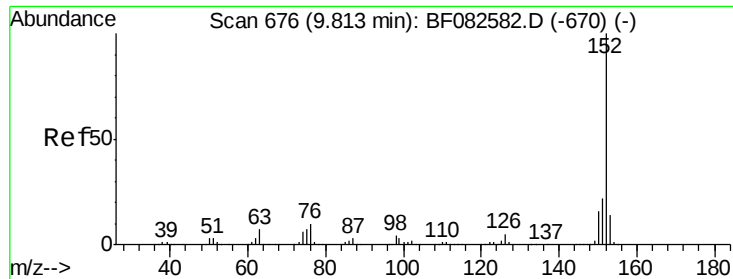
#45
 1,1'-Biphenyl
 Concen: 16.71 ng
 RT: 9.36 min Scan# 636
 Delta R.T. -0.02 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

Tgt Ion:154 Resp: 461298
 Ion Ratio Lower Upper
 154 100
 153 40.7 22.0 62.0
 76 11.3 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





#48

Acenaphthylene

Concen: 17.78 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

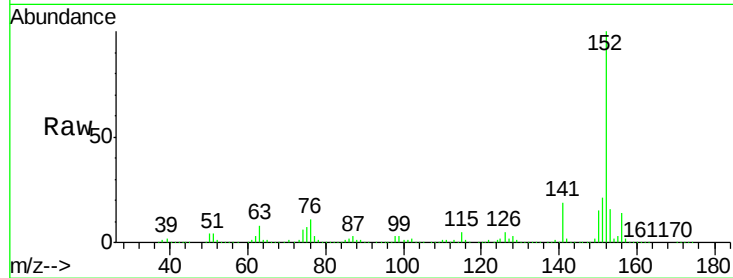
Tgt Ion:152 Resp: 613022

Ion Ratio Lower Upper

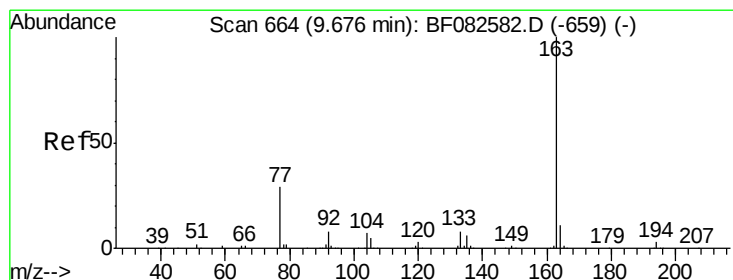
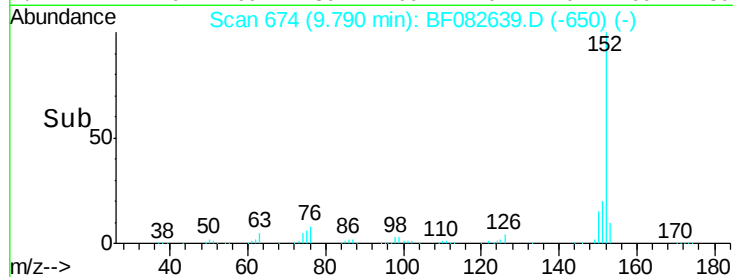
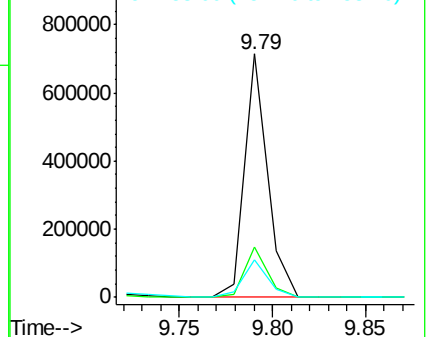
152 100

151 20.8 17.3 25.9

153 15.6 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: 25.53 ng

RT: 9.65 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

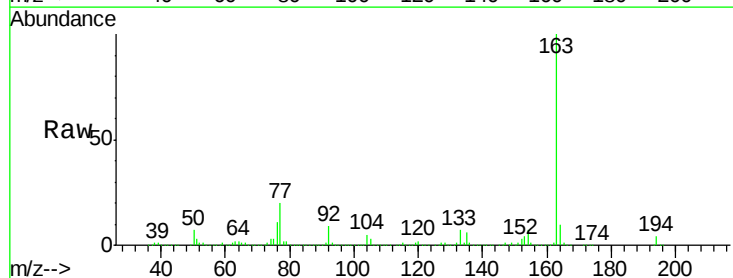
Tgt Ion:163 Resp: 681316

Ion Ratio Lower Upper

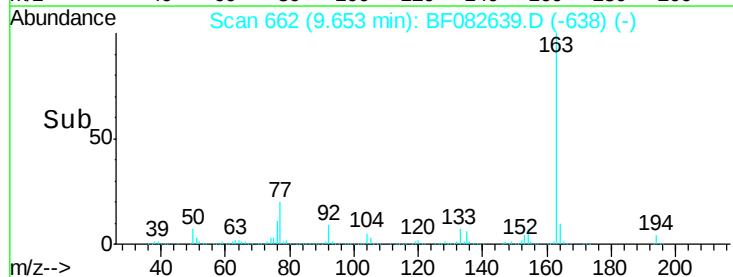
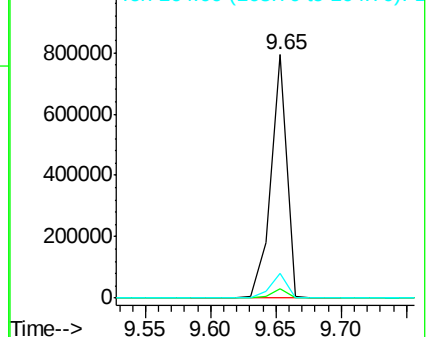
163 100

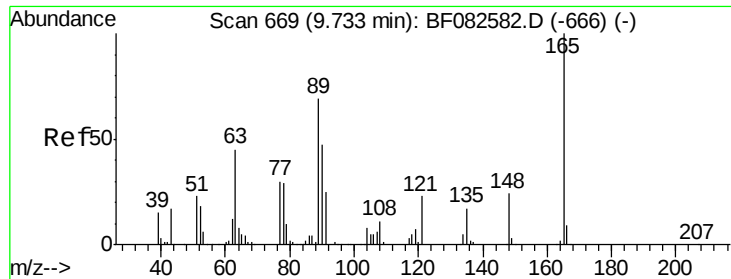
194 3.7 2.6 4.0

164 10.2 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

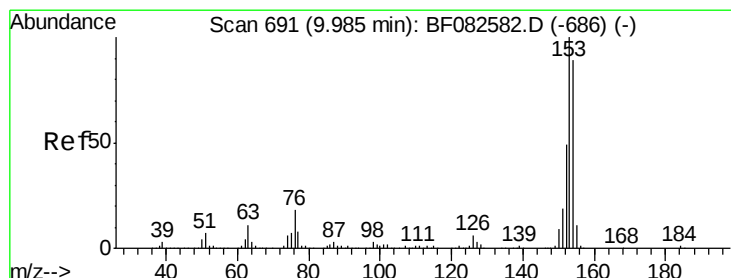
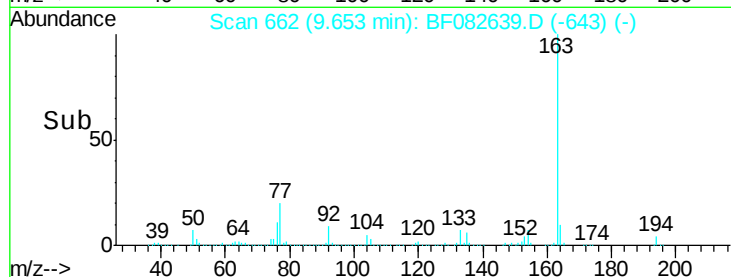
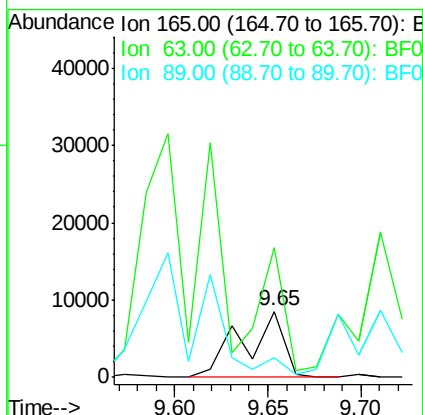
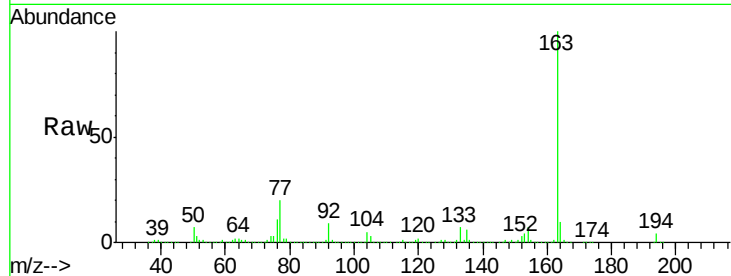




#50
 2,6-Dinitrotoluene
 Concen: 2.39 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.08 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

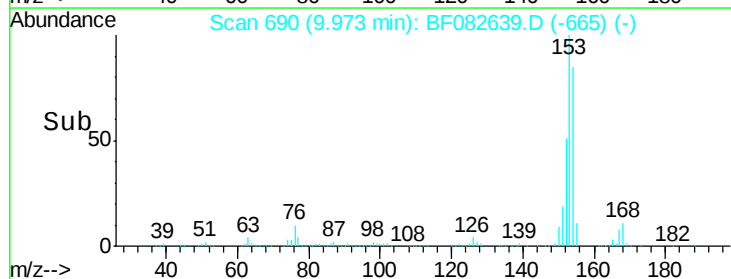
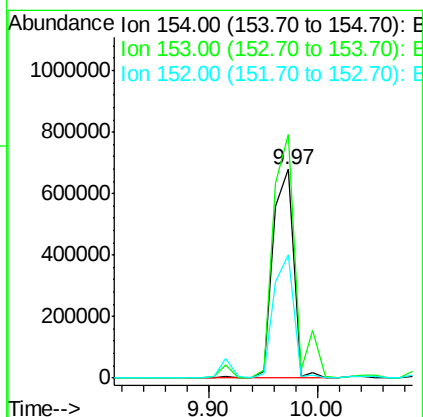
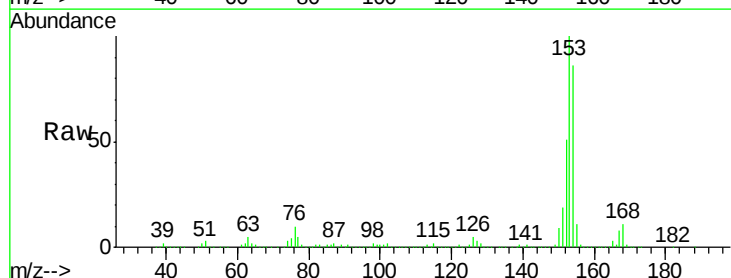
Instrument :
 BNA_F
 ClientSampleId :
 DS-2

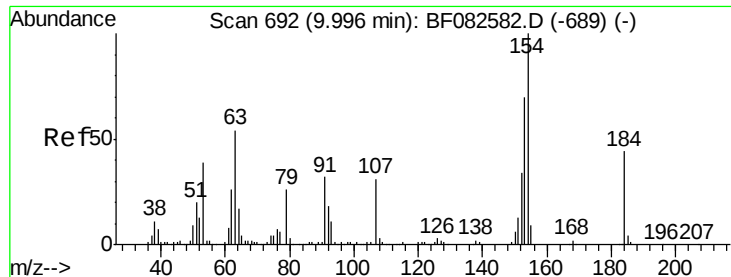
Tgt Ion:165 Resp: 13202
 Ion Ratio Lower Upper
 165 100
 63 195.6 55.5 83.3#
 89 30.1 55.0 82.6#



#51
 Acenaphthene
 Concen: 40.56 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

Tgt Ion:154 Resp: 887524
 Ion Ratio Lower Upper
 154 100
 153 116.5 90.1 135.1
 152 59.3 44.3 66.5

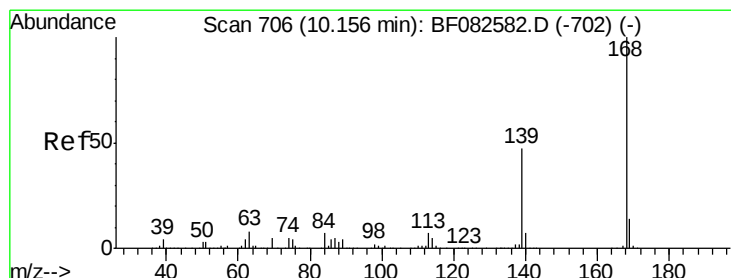
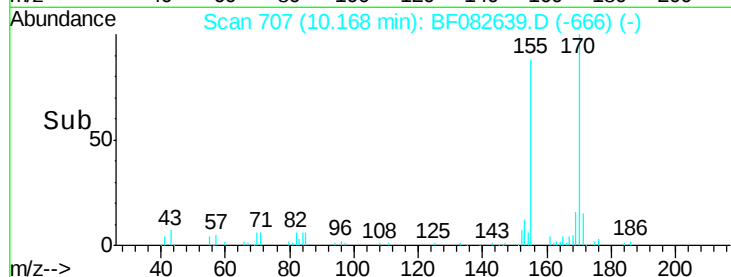
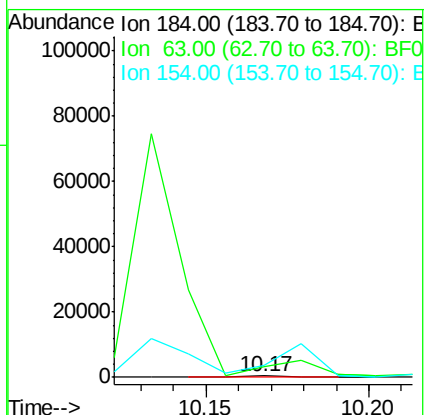
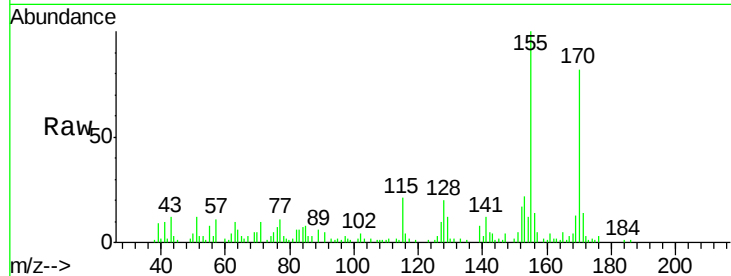




#53
2,4-Dinitrophenol
Concen: 6.76 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.17 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

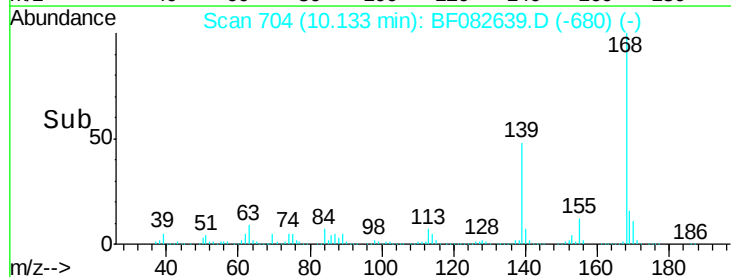
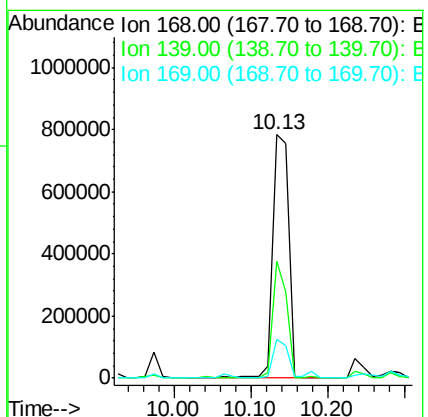
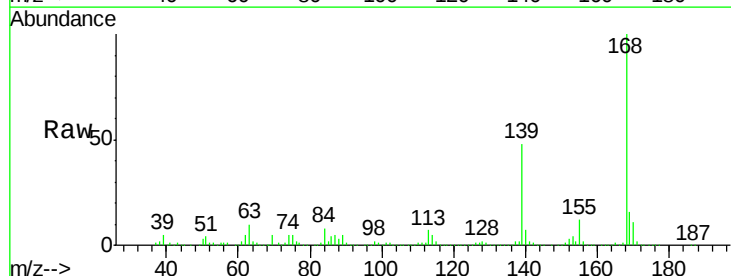
Instrument :
BNA_F
ClientSampleId :
DS-2

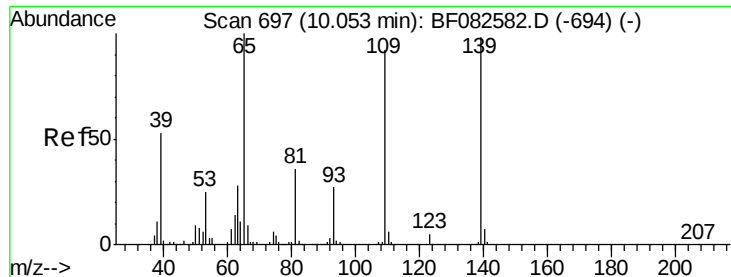
Tgt Ion:184 Resp: 226
Ion Ratio Lower Upper
184 100
63 958.2 98.6 148.0#
154 1146.7 183.9 275.9#



#54
Dibenzofuran
Concen: 37.13 ng
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:168 Resp: 1102408
Ion Ratio Lower Upper
168 100
139 48.0 37.8 56.6
169 15.9 11.3 16.9





#55

4-Nitrophenol

Concen: 99.67 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.08 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampled :

DS-2

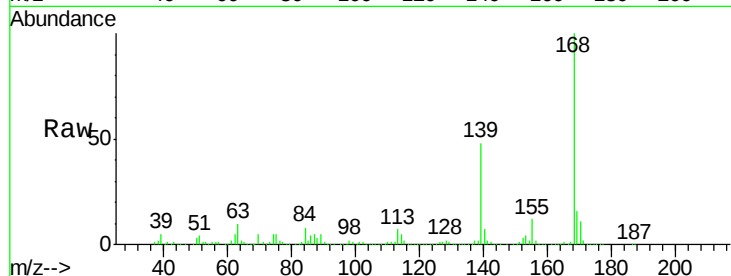
Tgt Ion:139 Resp: 461466

Ion Ratio Lower Upper

139 100

109 0.9 73.7 113.7#

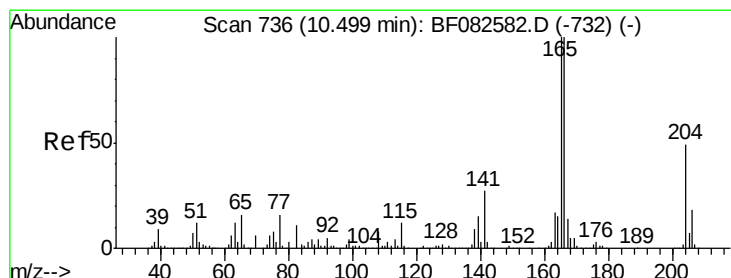
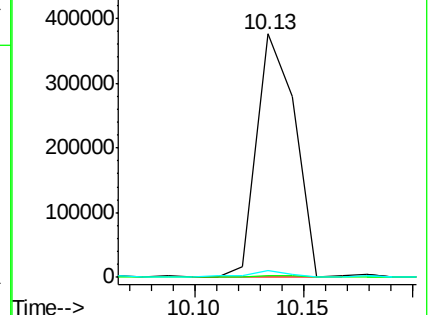
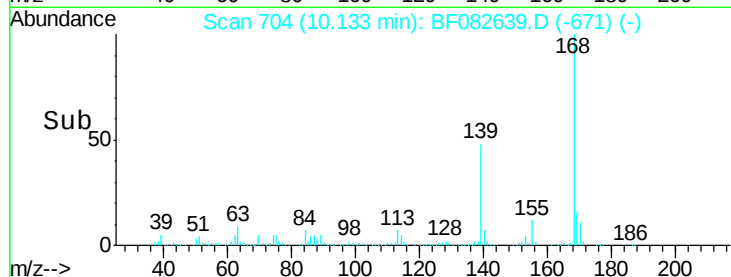
65 2.7 82.9 122.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 58.91 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

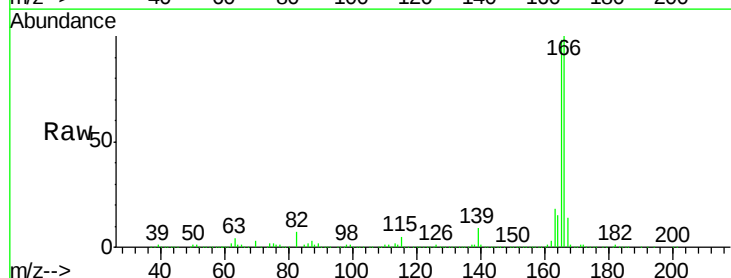
Tgt Ion:166 Resp: 1411043

Ion Ratio Lower Upper

166 100

165 98.5 80.2 120.4

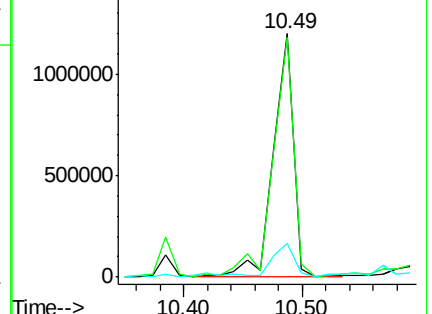
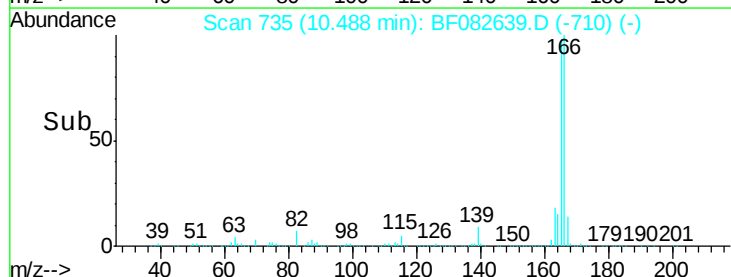
167 13.8 11.2 16.8

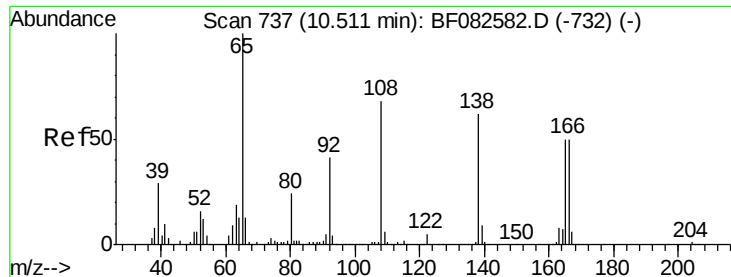


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 3.29 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

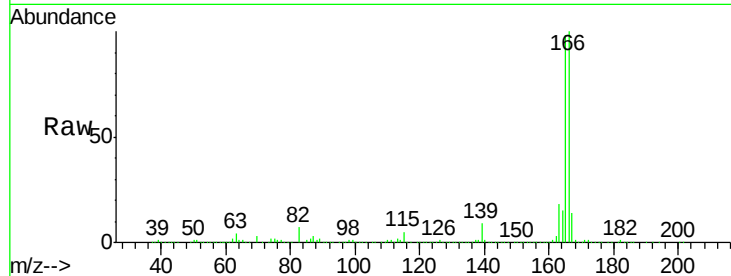
Tgt Ion:138 Resp: 19332

Ion Ratio Lower Upper

138 100

92 2.9 45.8 85.8#

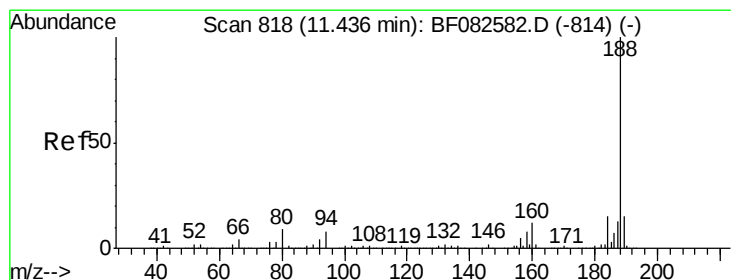
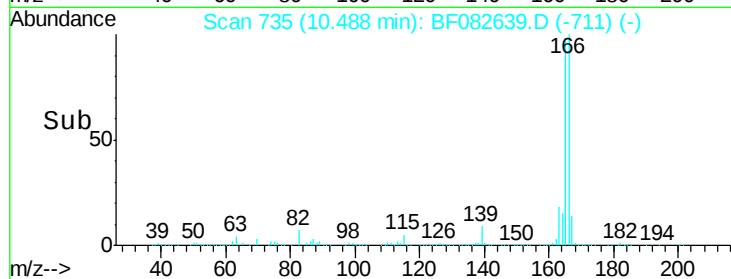
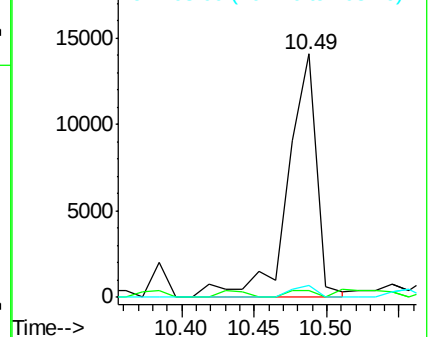
108 4.9 89.4 129.4#



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: BF082639.D

Acq: 2 Nov 2015 19:06

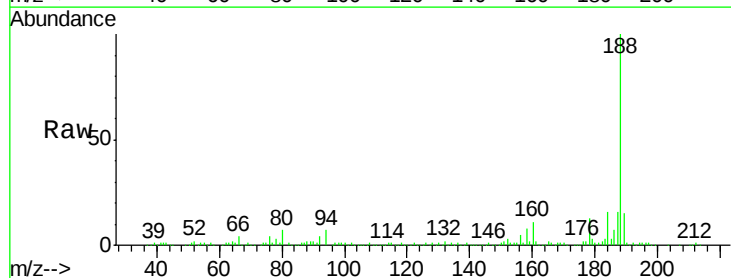
Tgt Ion:188 Resp: 543282

Ion Ratio Lower Upper

188 100

94 6.5 6.1 9.1

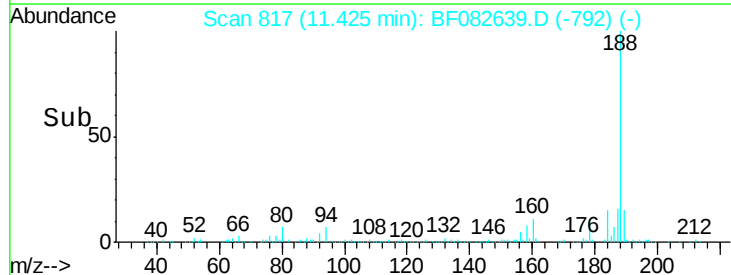
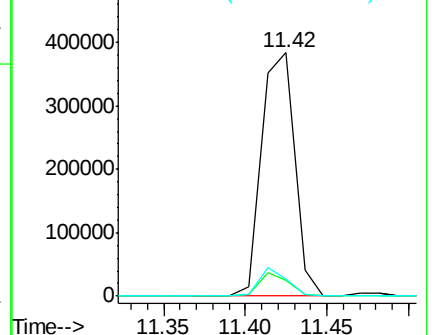
80 7.2 7.0 10.6

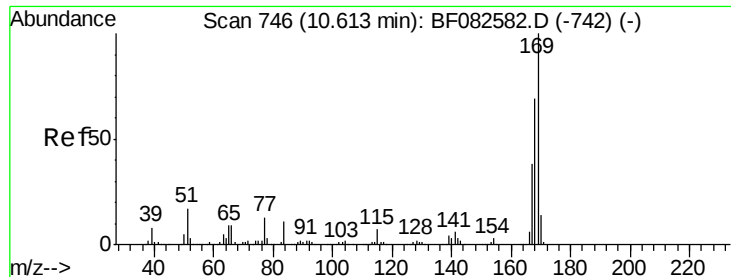


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.36 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.05 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

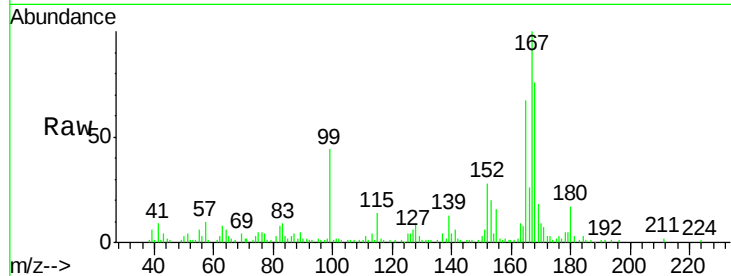
Tgt Ion:169 Resp: 44012

Ion Ratio Lower Upper

169 100

168 415.1 55.0 82.6#

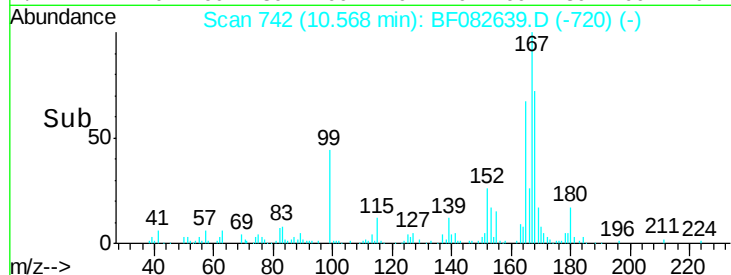
167 549.0 30.5 45.7#



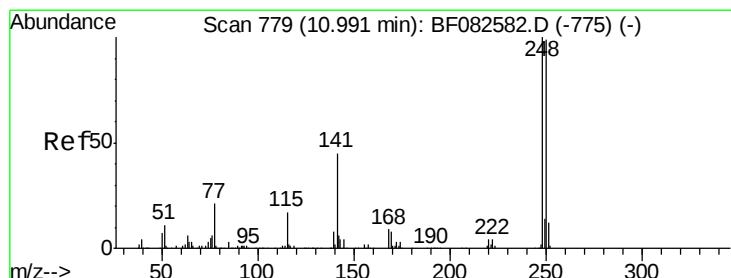
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 10.50



#66

4-Bromophenyl-phenylether

Concen: 3.34 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.27 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

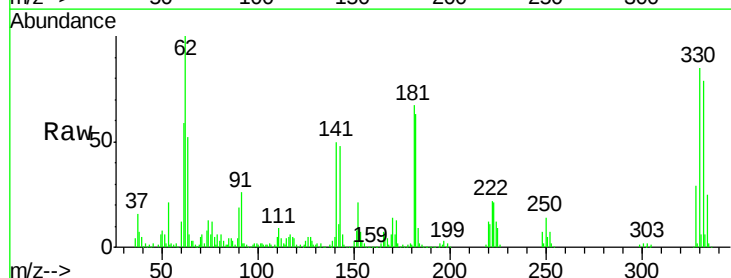
Tgt Ion:248 Resp: 20594

Ion Ratio Lower Upper

248 100

250 199.3 79.4 119.2#

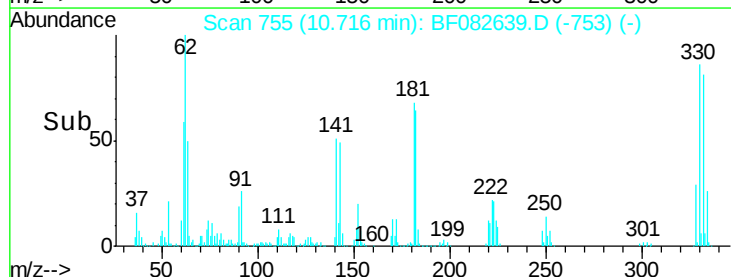
141 726.5 36.3 54.5#



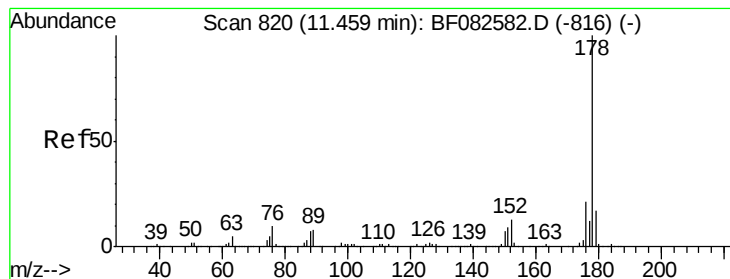
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time--> 10.70



#70

Phenanthrene

Concen: 132.92 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

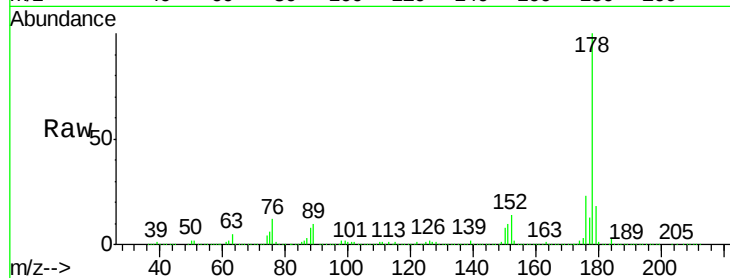
Tgt Ion:178 Resp: 4072924

Ion Ratio Lower Upper

178 100

176 22.7 17.0 25.4

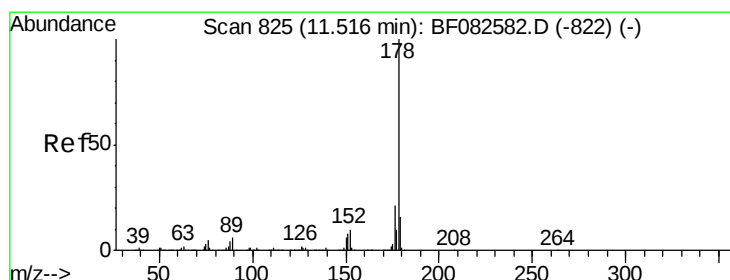
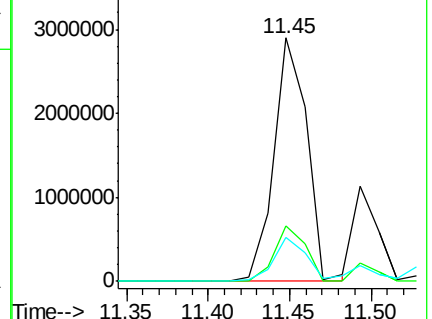
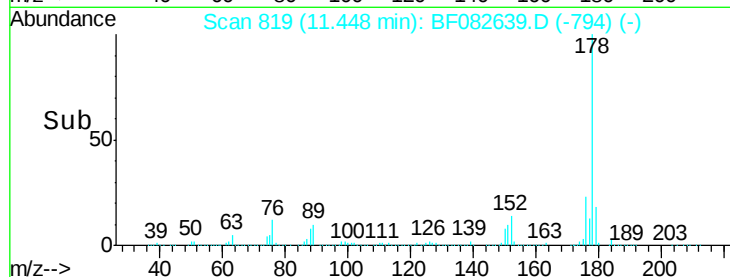
179 17.9 13.4 20.0



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: 39.77 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.02 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

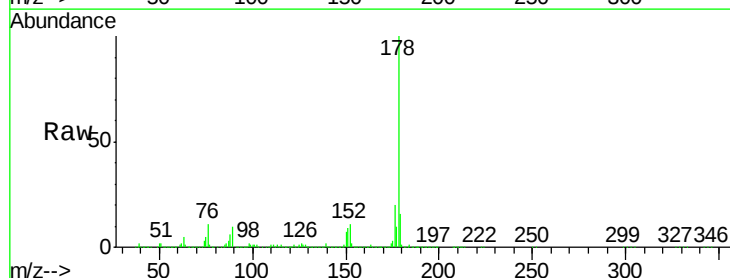
Tgt Ion:178 Resp: 1227156

Ion Ratio Lower Upper

178 100

176 19.7 16.5 24.7

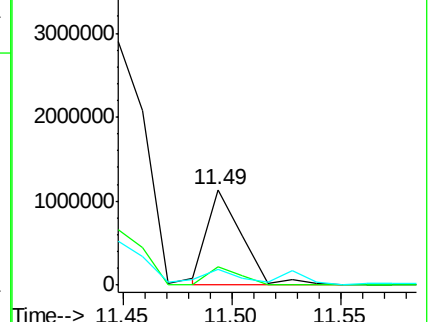
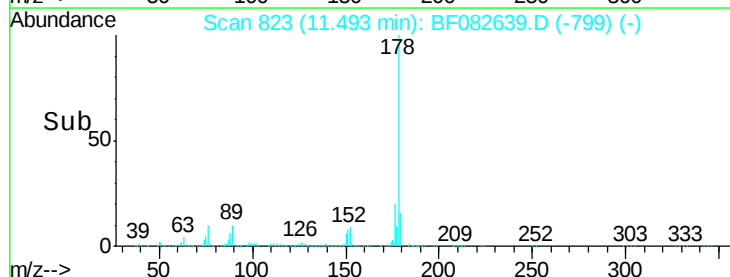
179 16.4 13.2 19.8

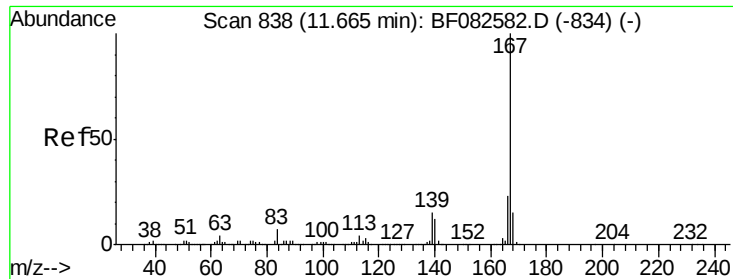


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

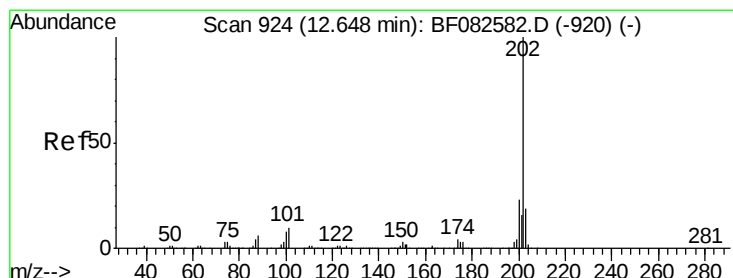
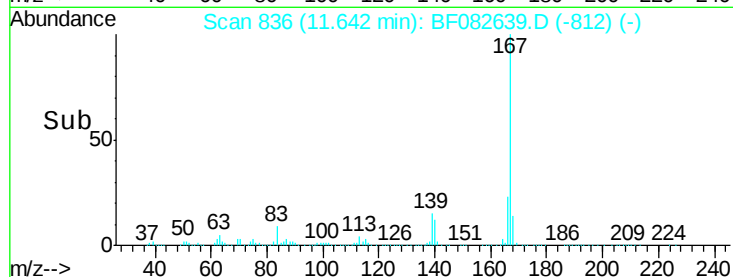
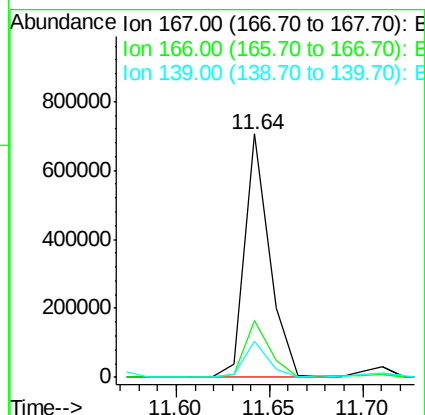
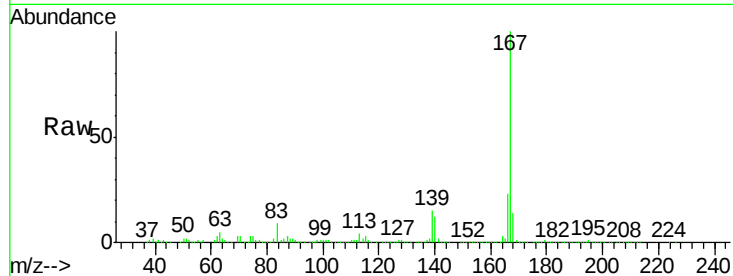




#72
 Carbazole
 Concen: 24.29 ng
 RT: 11.64 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

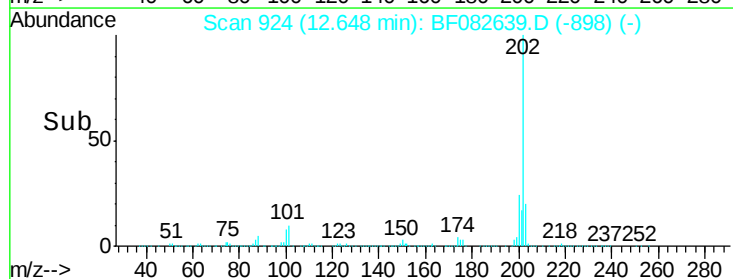
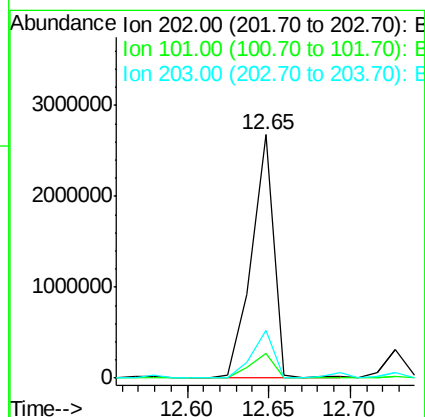
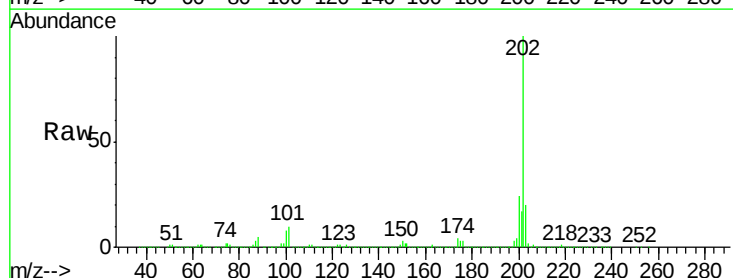
Instrument :
 BNA_F
 ClientSampleId :
 DS-2

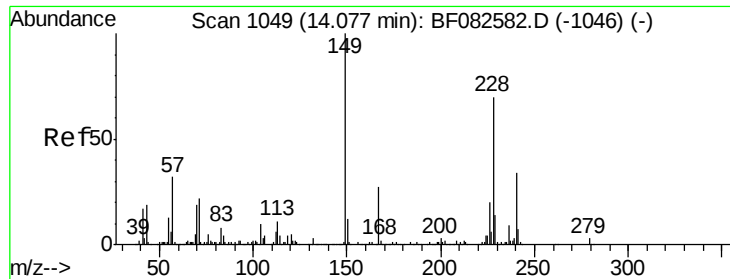
Tgt Ion:167 Resp: 652895
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.7 28.1
 139 15.0 11.8 17.6



#74
 Fluoranthene
 Concen: 80.31 ng
 RT: 12.65 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

Tgt Ion:202 Resp: 2515786
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.5
 203 19.7 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

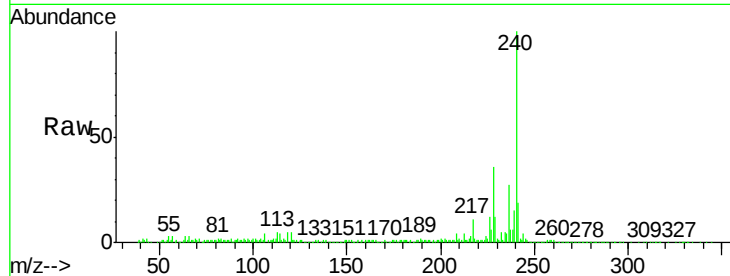
Tgt Ion:240 Resp: 419670

Ion Ratio Lower Upper

240 100

120 4.9 10.9 16.3#

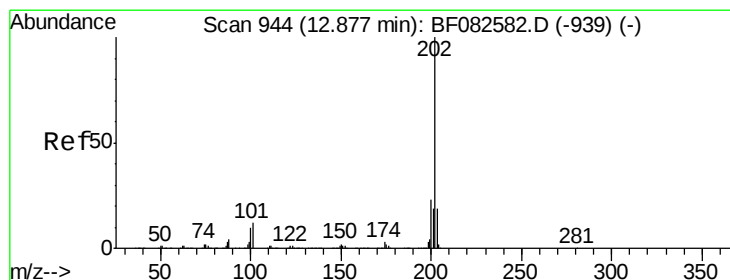
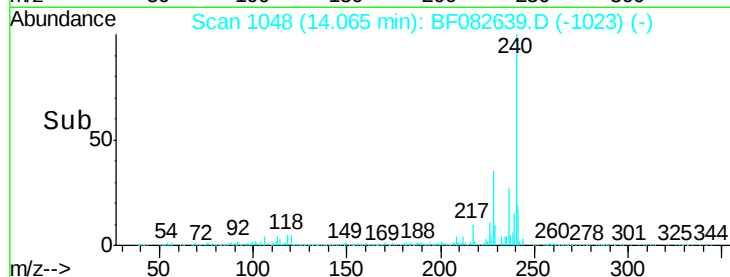
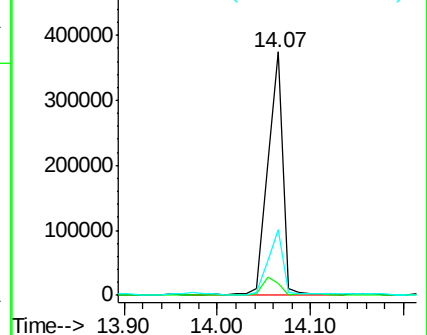
236 26.9 21.6 32.4



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: 65.12 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

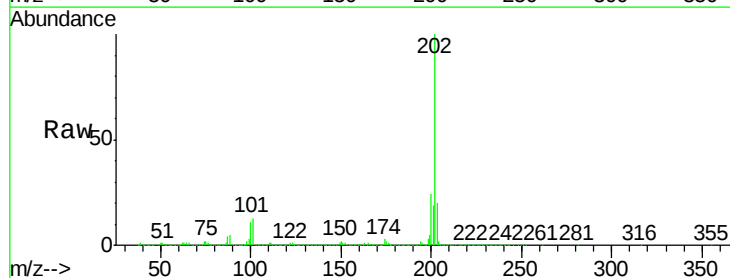
Tgt Ion:202 Resp: 2023766

Ion Ratio Lower Upper

202 100

200 23.8 18.7 28.1

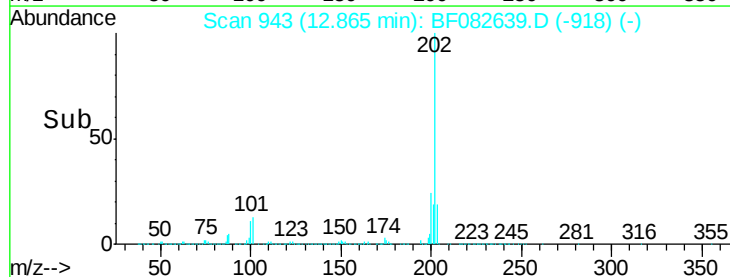
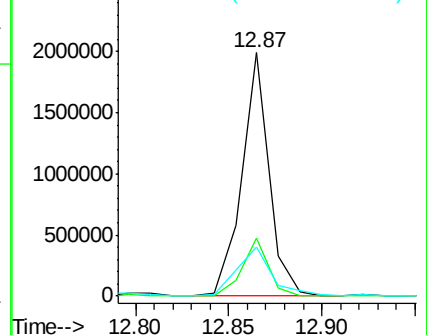
203 20.0 14.8 22.2

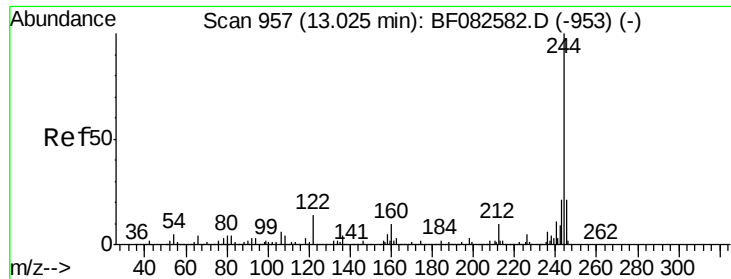


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

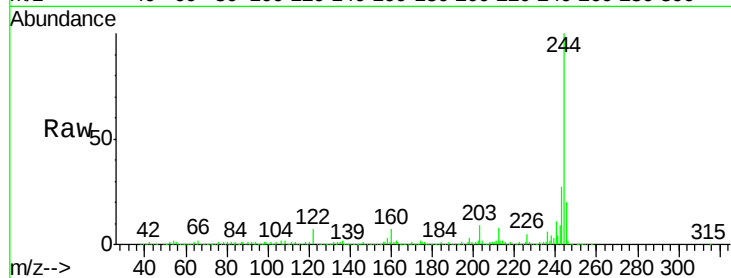




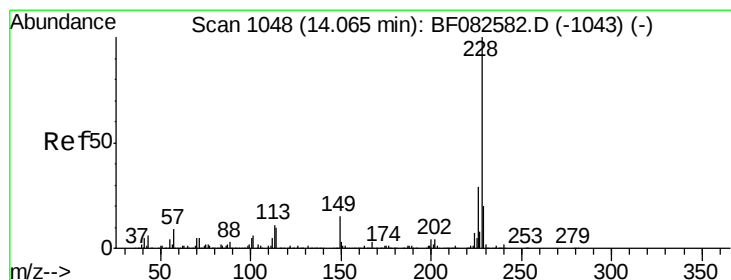
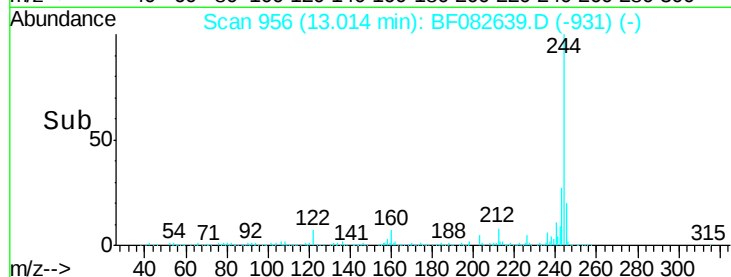
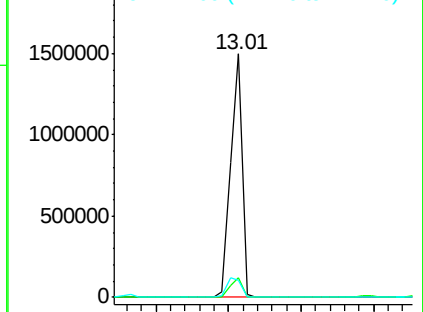
#78
 Terphenyl-d14
 Concen: 85.19 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

Instrument :
 BNA_F
 ClientSampleId :
 DS-2

Tgt Ion:244 Resp: 1633706
 Ion Ratio Lower Upper
 244 100
 212 7.9 7.6 11.4
 122 6.8 11.3 16.9#

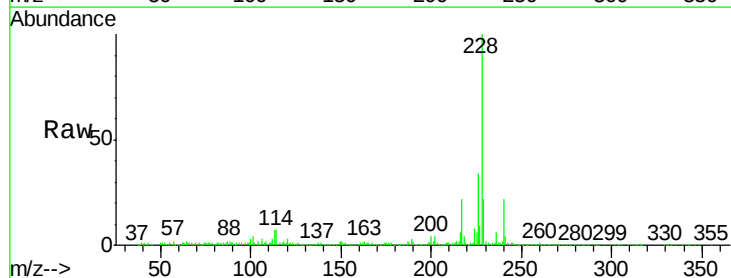


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

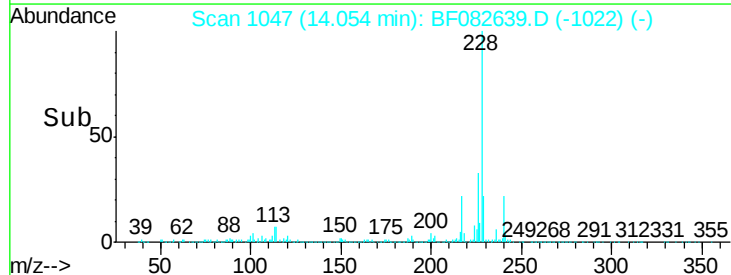
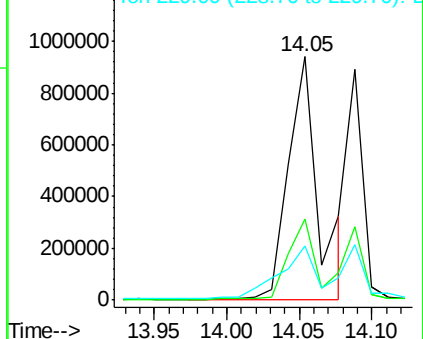


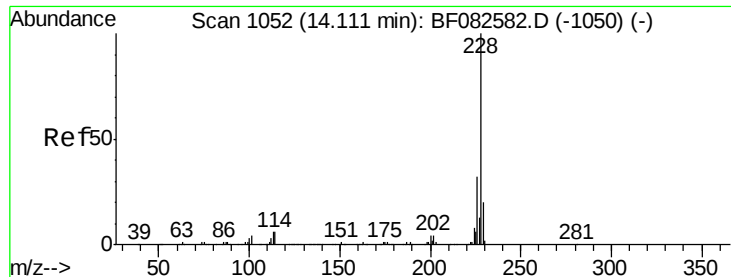
#80
 Benzo(a)anthracene
 Concen: 50.77 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF082639.D
 Acq: 2 Nov 2015 19:06

Tgt Ion:228 Resp: 1353382
 Ion Ratio Lower Upper
 228 100
 226 33.5 23.4 35.2
 229 22.2 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: 56.01 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.06 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

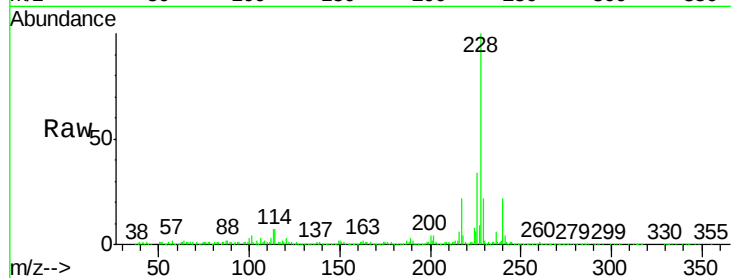
Tgt Ion:228 Resp: 1353382

Ion Ratio Lower Upper

228 100

226 33.5 25.5 38.3

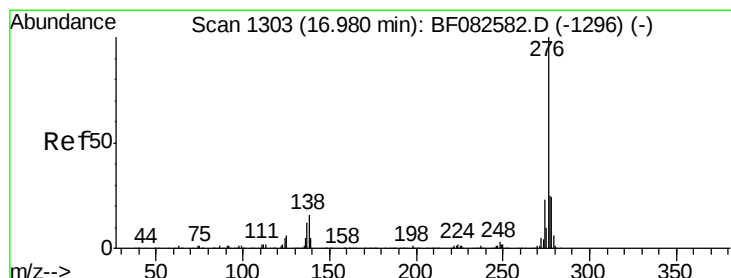
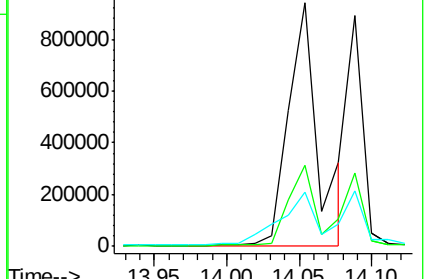
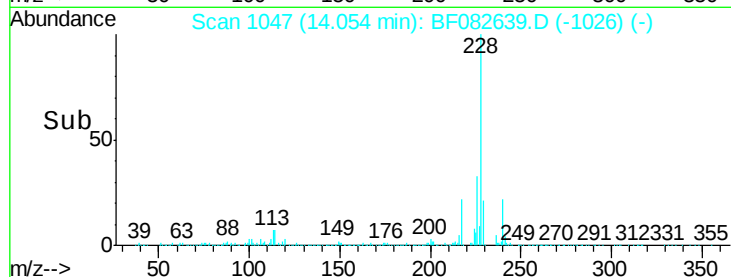
229 22.2 16.3 24.5



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: 14.87 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.06 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

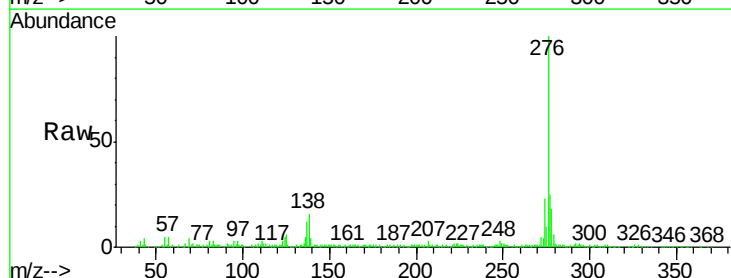
Tgt Ion:276 Resp: 296563

Ion Ratio Lower Upper

276 100

138 16.2 15.3 22.9

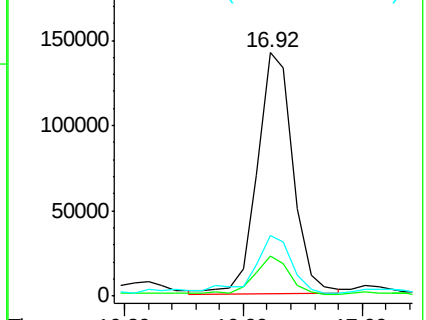
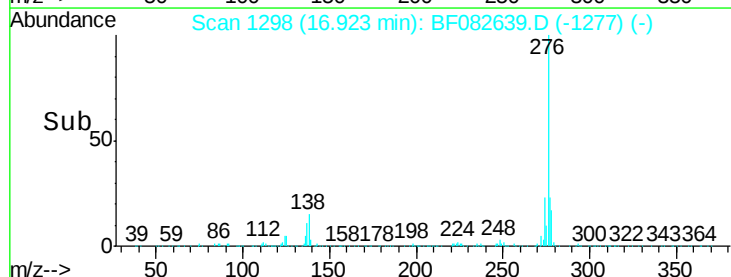
277 25.1 20.2 30.4

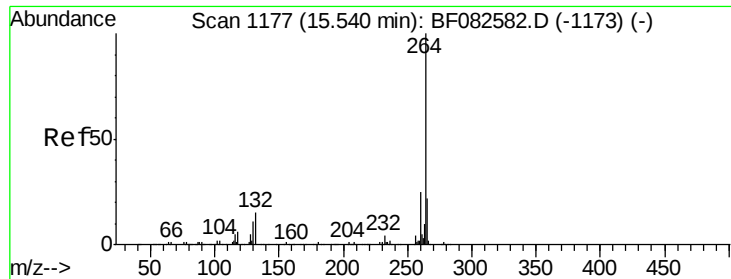


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

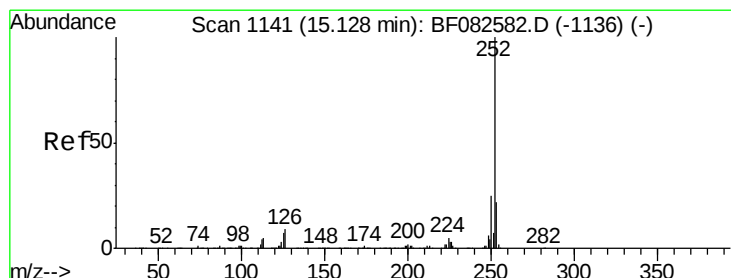
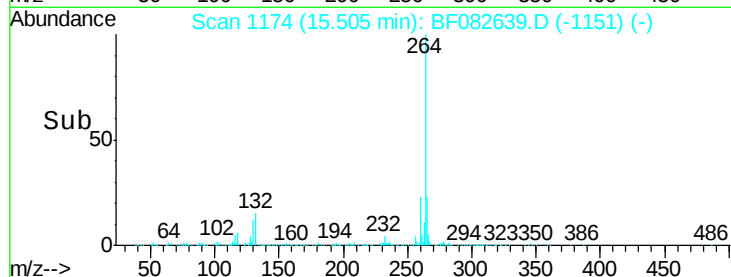
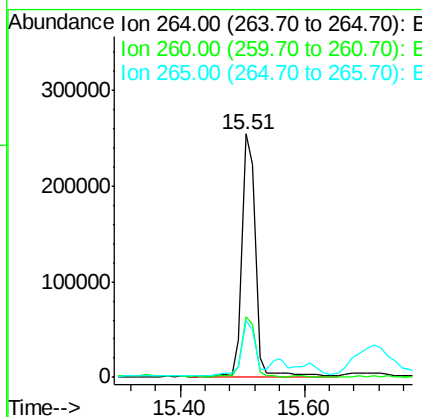
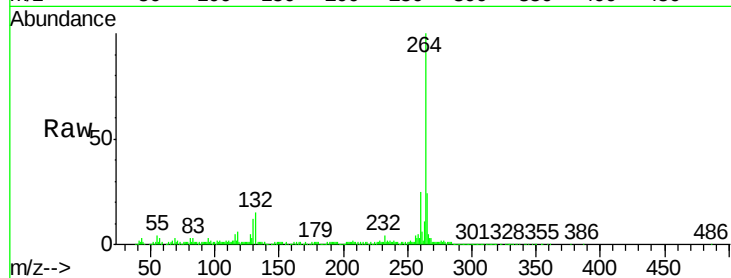




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.03 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

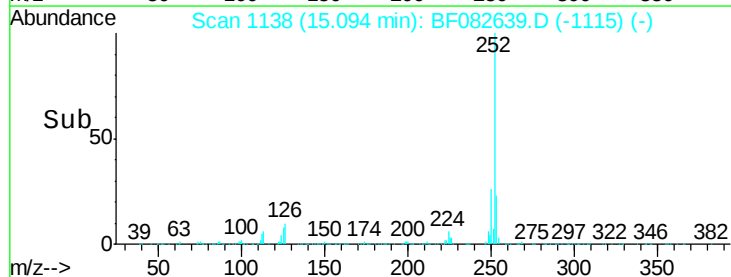
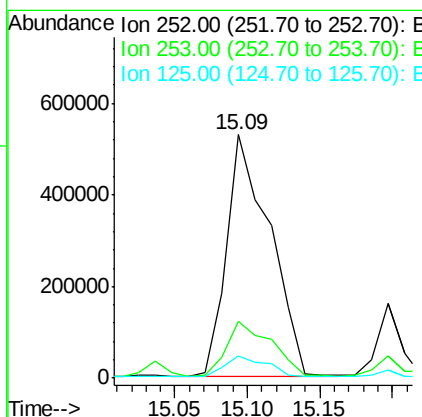
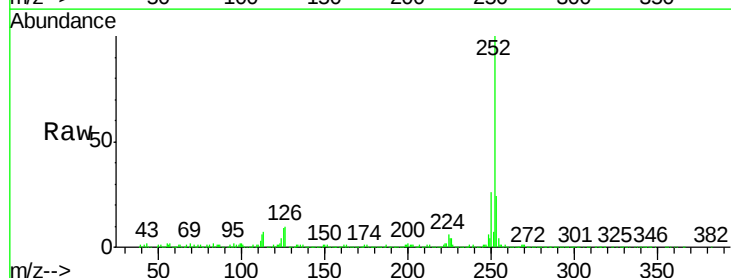
Instrument :
BNA_F
ClientSampleId :
DS-2

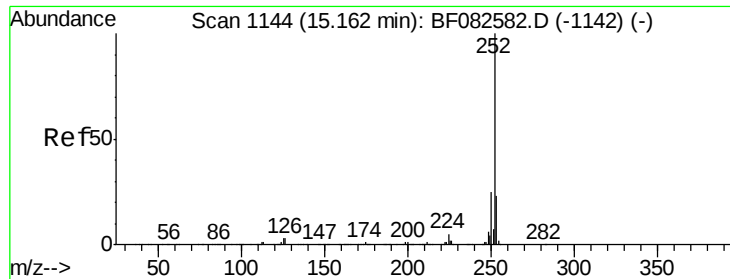
Tgt Ion:264 Resp: 388344
Ion Ratio Lower Upper
264 100
260 24.7 19.8 29.6
265 23.6 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 41.27 ng
RT: 15.09 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:252 Resp: 1105125
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.0 5.4 8.2#

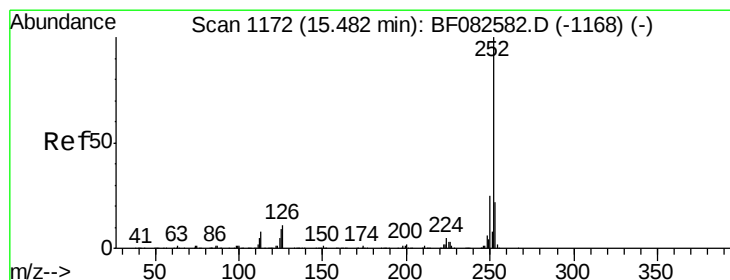
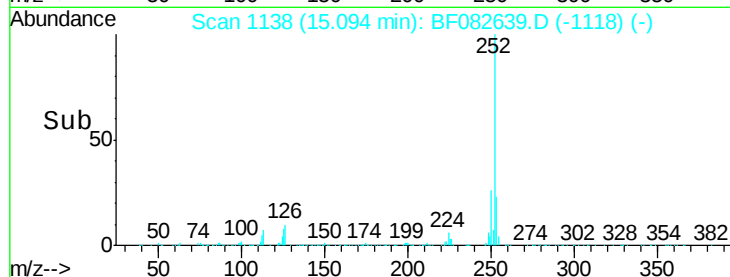
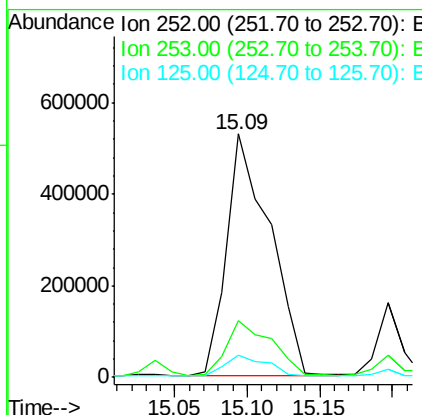
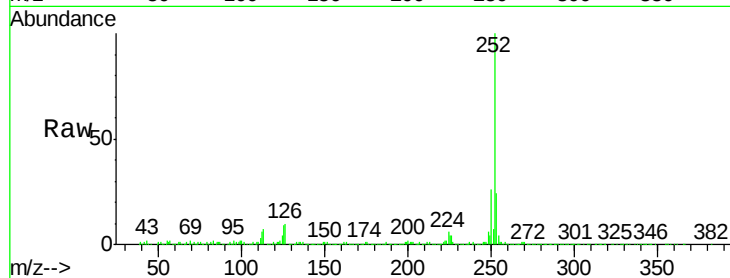




#88
Benzo(k)fluoranthene
Concen: 54.17 ng
RT: 15.09 min Scan# 1138
Delta R.T. -0.07 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

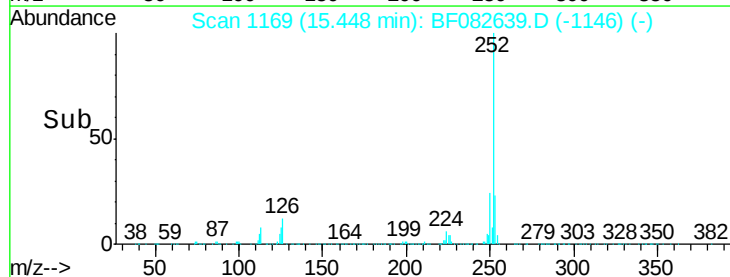
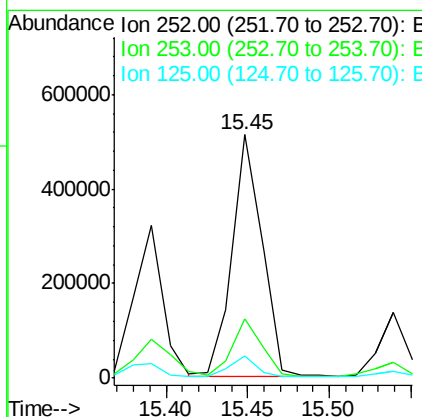
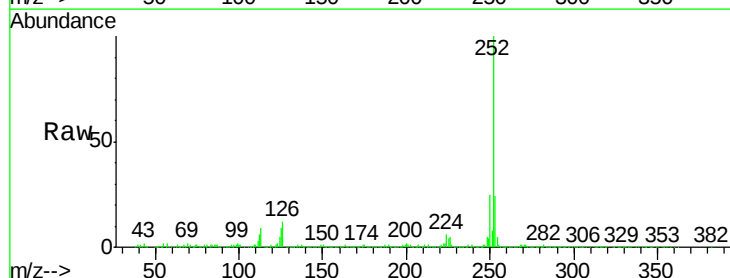
Instrument :
BNA_F
ClientSampleId :
DS-2

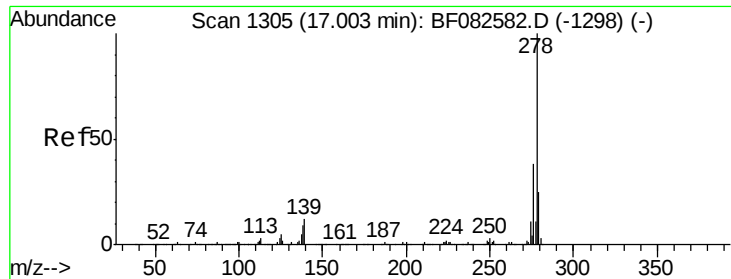
Tgt Ion:252 Resp: 1105125
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 9.0 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 30.78 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF082639.D
Acq: 2 Nov 2015 19:06

Tgt Ion:252 Resp: 649081
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 9.0 7.1 10.7





#90

Dibenzo(a,h)anthracene

Concen: 3.86 ng

RT: 17.11 min Scan# 1314

Delta R.T. 0.10 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

Instrument :

BNA_F

ClientSampleId :

DS-2

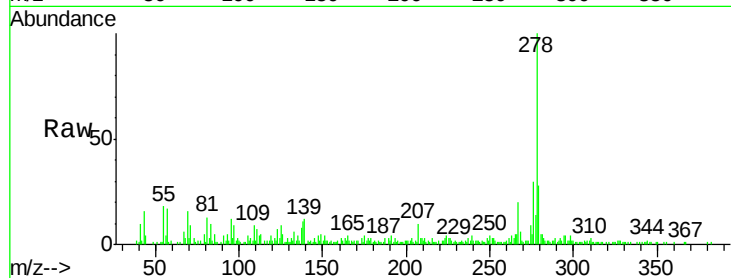
Tgt Ion:278 Resp: 75977

Ion Ratio Lower Upper

278 100

139 11.5 9.9 14.9

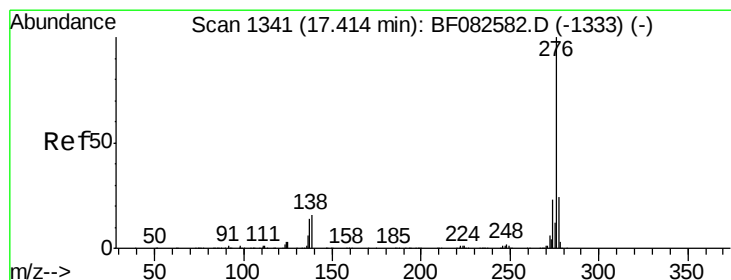
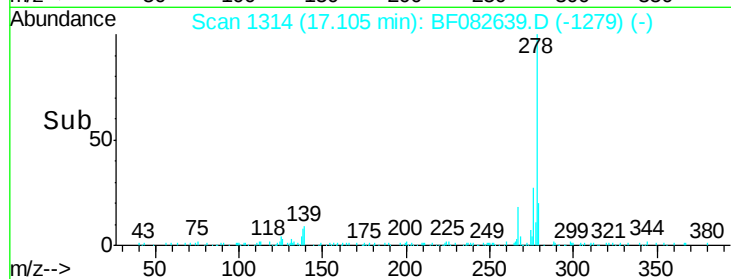
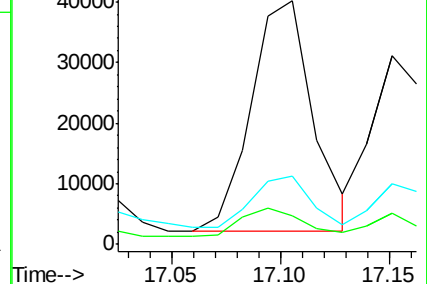
279 28.3 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.31 ng

RT: 17.36 min Scan# 1336

Delta R.T. -0.06 min

Lab File: BF082639.D

Acq: 2 Nov 2015 19:06

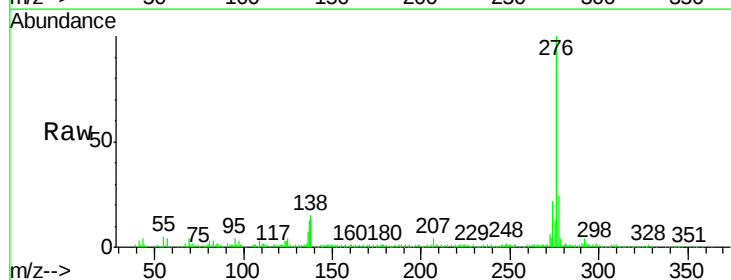
Tgt Ion:276 Resp: 253824

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 15.4 13.1 19.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

