

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082317.D
 Acq On : 15 Oct 2015 19:00
 Operator : UM/IZ
 Sample : G4016-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Quant Time: Oct 16 01:12:59 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

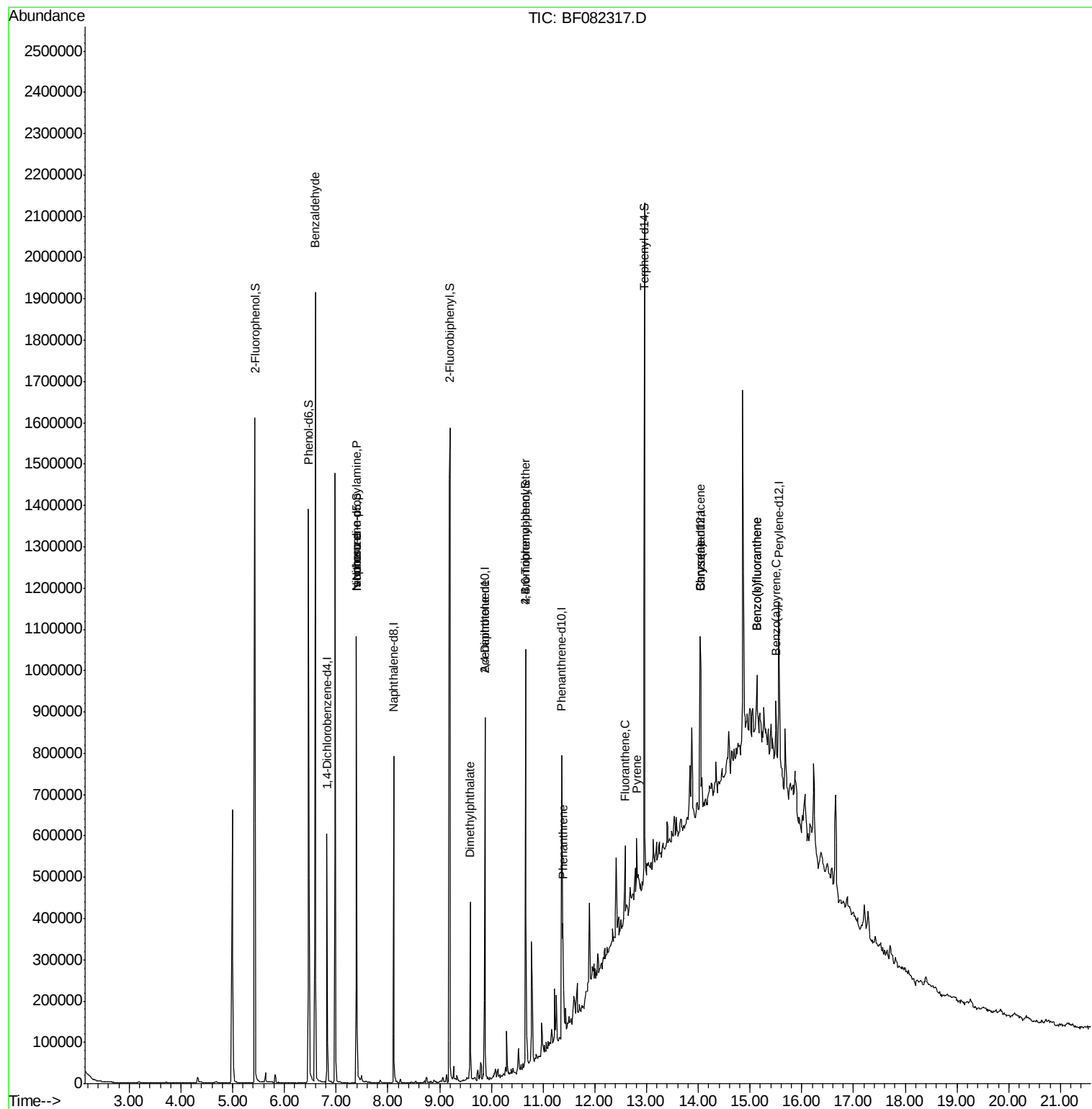
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	91695	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	352612	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	171029	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	285035	20.00	ng	0.00
75) Chrysene-d12	14.04	240	205675	20.00	ng	-0.06
86) Perylene-d12	15.56	264	193431	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	477015	104.99	ng	0.01
7) Phenol-d6	6.47	99	570449	96.48	ng	0.00
23) Nitrobenzene-d5	7.39	82	375702	71.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	131051	81.71	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	800352	77.61	ng	0.00
78) Terphenyl-d14	12.96	244	604941	77.94	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	11010	3.65	ng	81
19) n-Nitroso-di-n-propylamine	7.39	70	48323	11.64	ng	# 80
25) Isophorone	7.39	82	314599	29.69	ng	# 66
49) Dimethylphthalate	9.59	163	153213	12.72	ng	99
55) 4-Nitrophenol	10.08	139	1822	Below Cal	#	28
56) 2,4-Dinitrotoluene	9.87	165	21978	6.92	ng	# 23
66) 4-Bromophenyl-phenylether	10.66	248	8099	2.84	ng	# 1
70) Phenanthrene	11.38	178	102474	7.33	ng	98
74) Fluoranthene	12.58	202	93995	6.26	ng	98
77) Pyrene	12.81	202	69481	5.69	ng	97
80) Benzo(a)anthracene	14.04	228	40204	3.76	ng	# 86
82) Chrysene	14.04	228	40204	3.57	ng	# 89
87) Benzo(b)fluoranthene	15.13	252	53736	4.57	ng	# 70
88) Benzo(k)fluoranthene	15.13	252	53736	5.43	ng	# 70
89) Benzo(a)pyrene	15.50	252	22912	2.27	ng	# 50

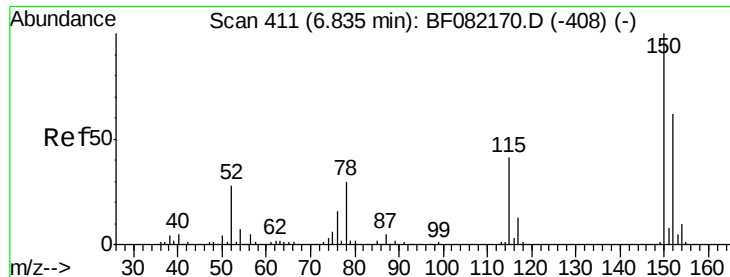
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

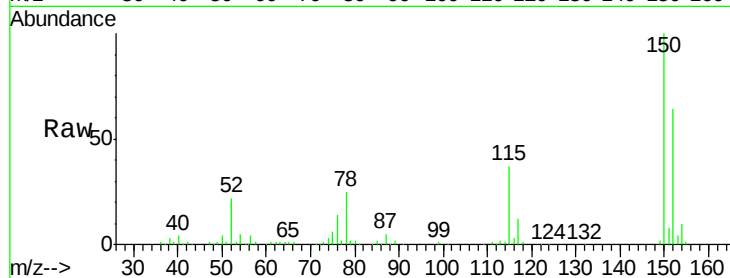
Tot Ion:152 Resp: 91695

Ion Ratio Lower Upper

152 100

150 155.7 129.0 193.4

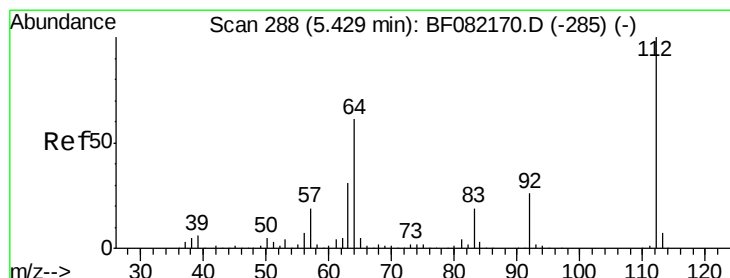
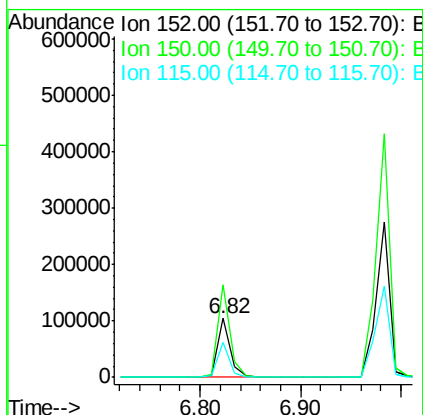
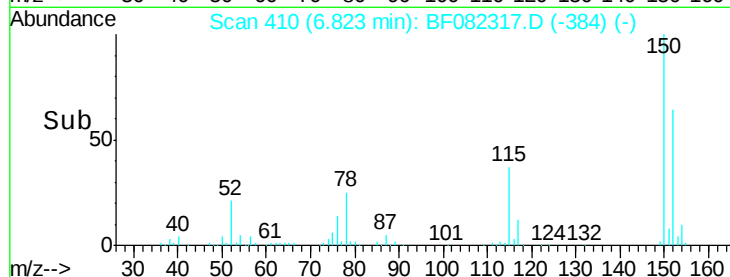
115 58.4 52.1 78.1



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: 104.99 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

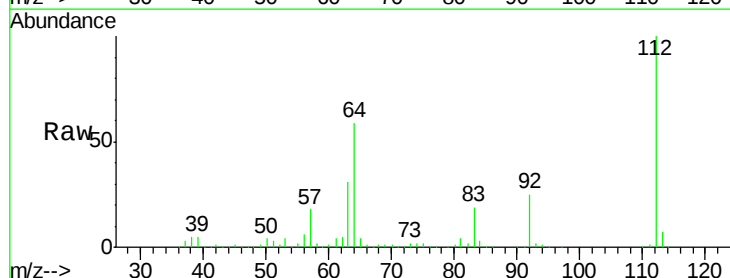
Tgt Ion:112 Resp: 477015

Ion Ratio Lower Upper

112 100

64 58.6 48.6 73.0

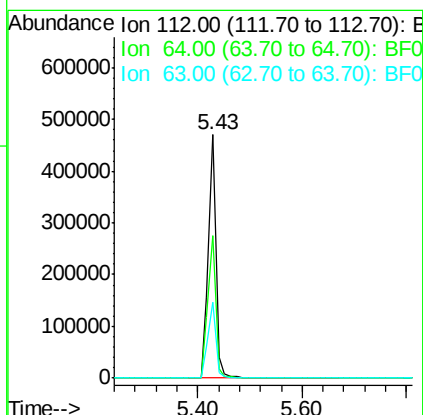
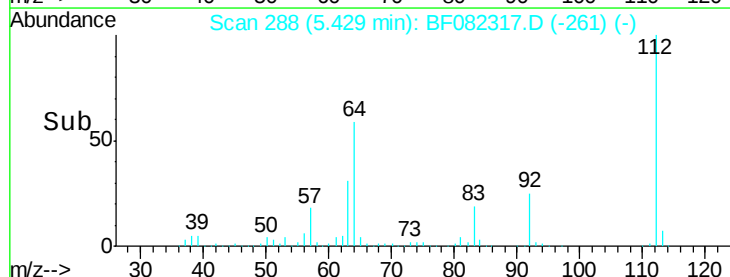
63 31.0 25.1 37.7

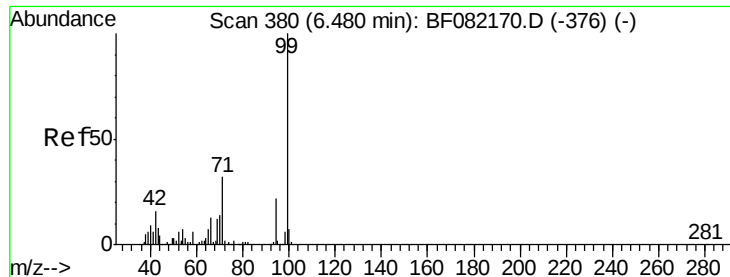


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.48 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

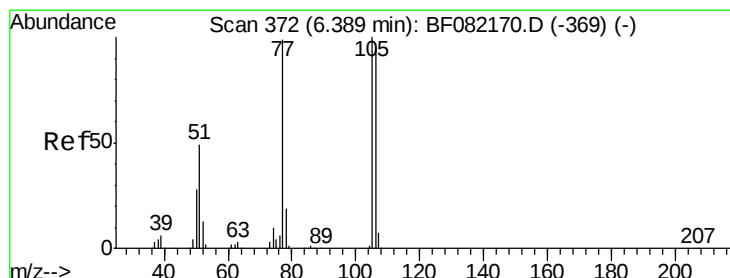
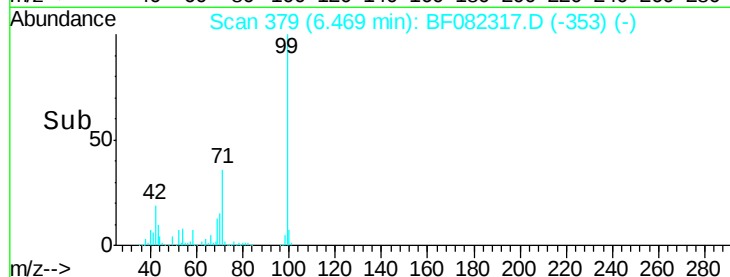
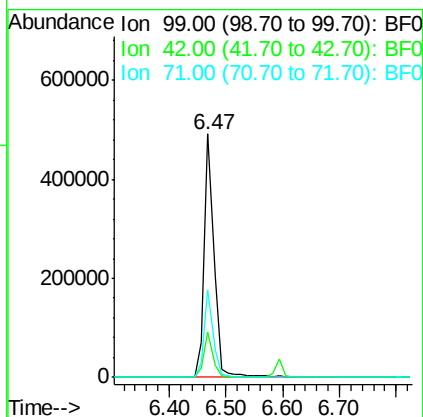
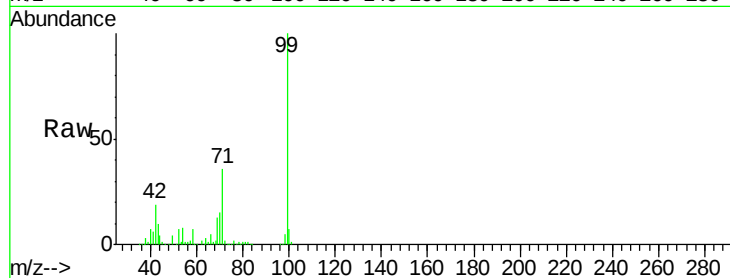
Tot Ion: 99 Resp: 570449

Ion Ratio Lower Upper

99 100

42 18.7 13.2 19.8

71 35.8 25.6 38.4



#9

Benzaldehyde

Concen: 3.65 ng

RT: 6.59 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

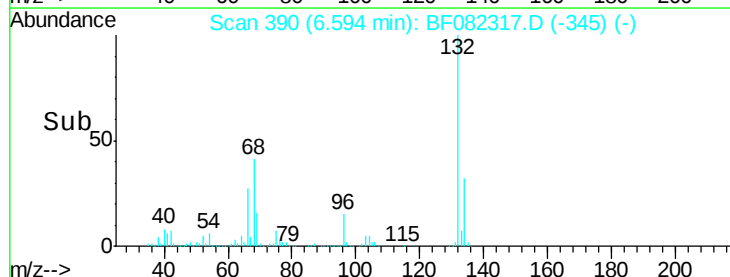
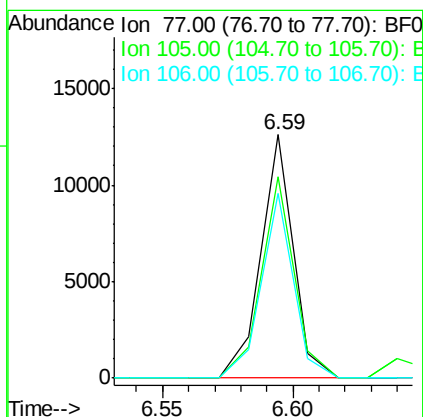
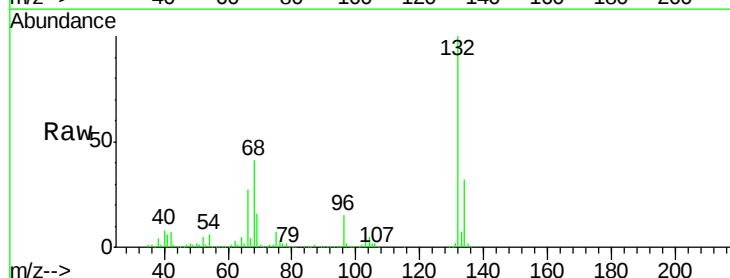
Tgt Ion: 77 Resp: 11010

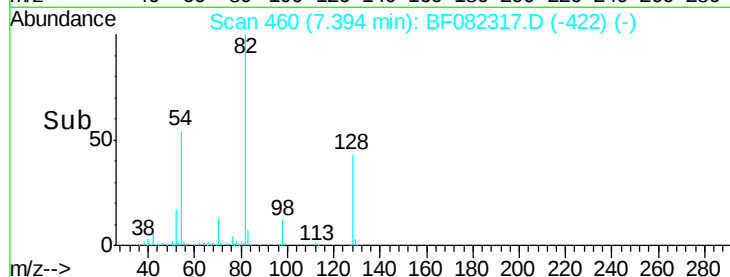
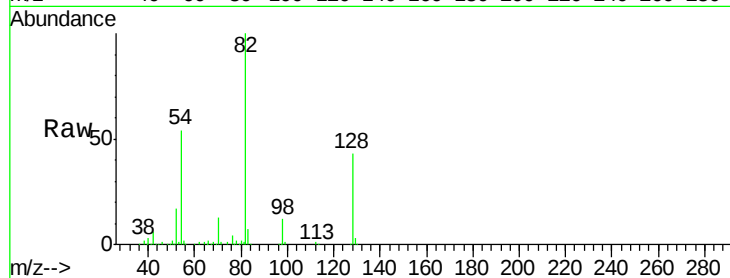
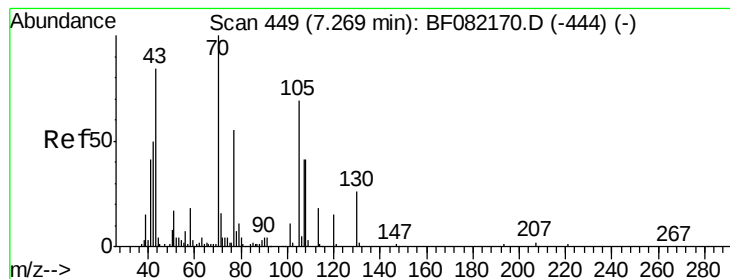
Ion Ratio Lower Upper

77 100

105 82.9 80.6 120.6

106 76.1 75.5 115.5





#19

n-Nitroso-di-n-propylamine

Concen: 11.64 ng

RT: 7.39 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

Tot Ion: 70 Resp: 48323

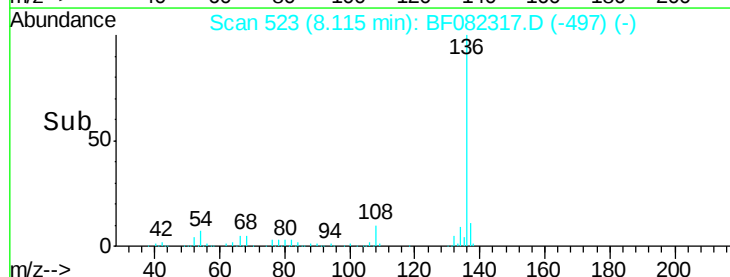
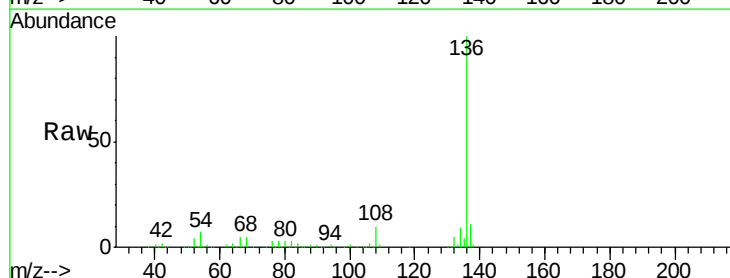
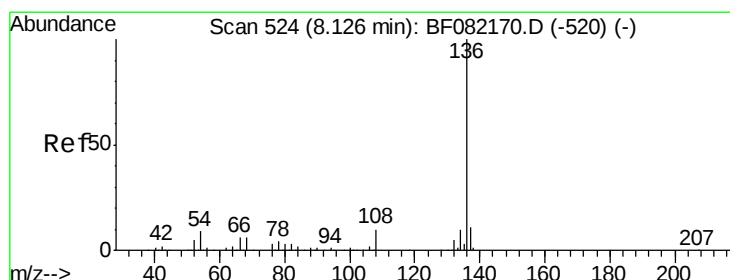
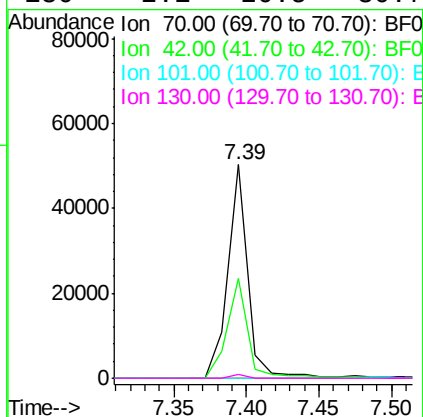
Ion Ratio Lower Upper

70 100

42 46.6 39.8 59.8

101 0.0 8.6 13.0#

130 2.1 20.5 30.7#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Tgt Ion: 136 Resp: 352612

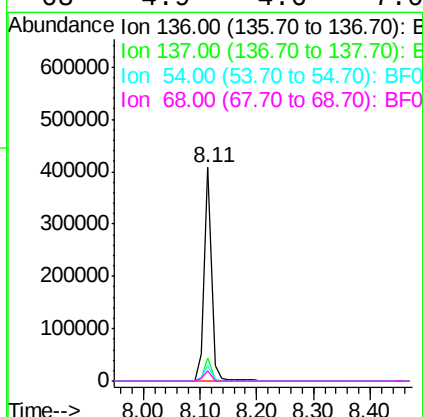
Ion Ratio Lower Upper

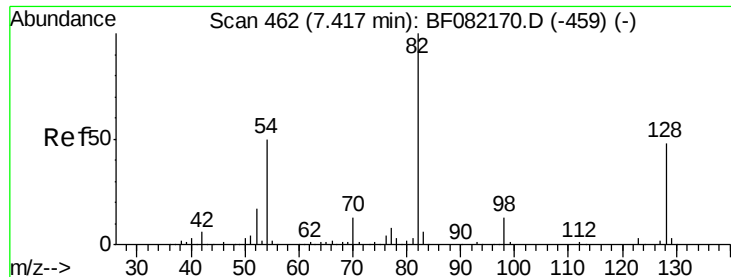
136 100

137 11.0 9.0 13.6

54 7.5 7.5 11.3#

68 4.9 4.6 7.0

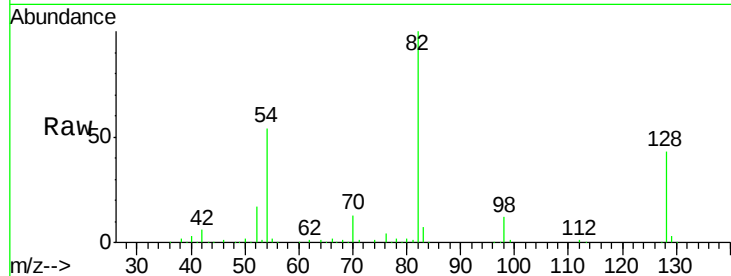




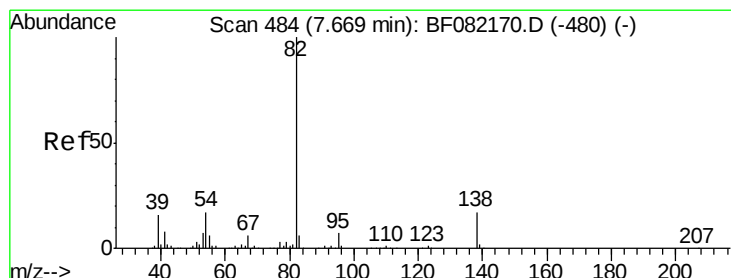
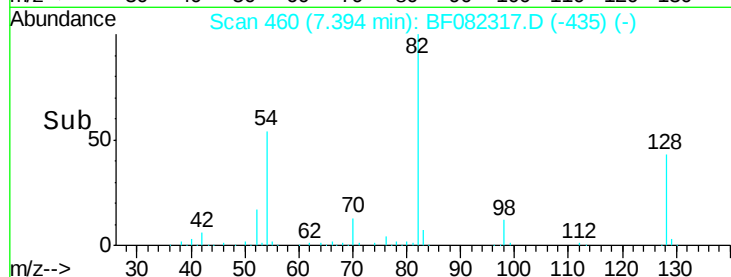
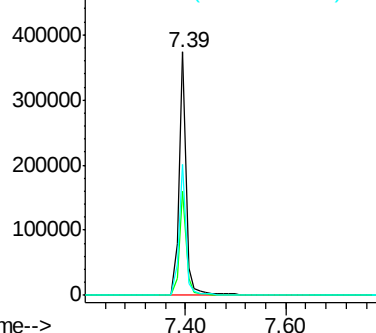
#23
Nitrobenzene-d5
Concen: 71.55 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion: 82 Resp: 375702
Ion Ratio Lower Upper
82 100
128 42.9 38.7 58.1
54 53.8 40.1 60.1

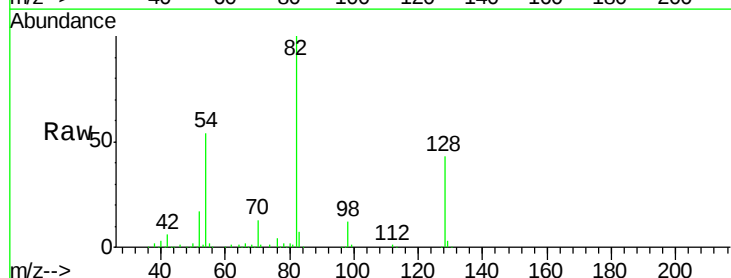


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

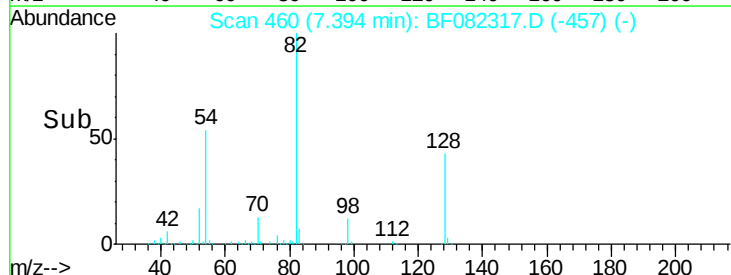
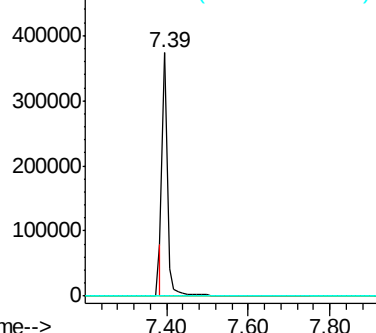


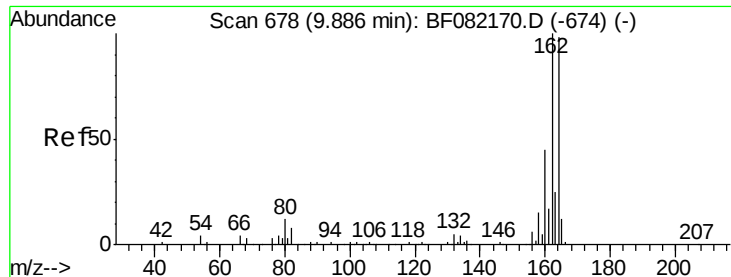
#25
Isophorone
Concen: 29.69 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.26 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

Tgt Ion: 82 Resp: 314599
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.6 20.4#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

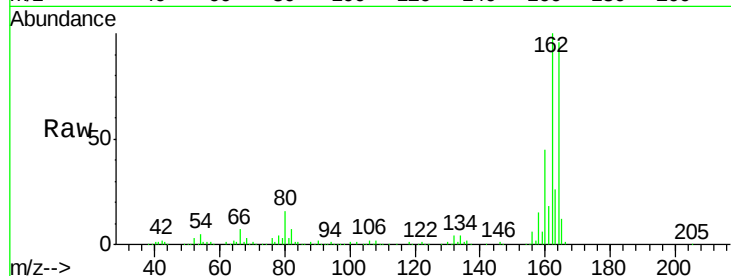
Tot Ion:164 Resp: 171029

Ion Ratio Lower Upper

164 100

162 103.7 81.6 122.4

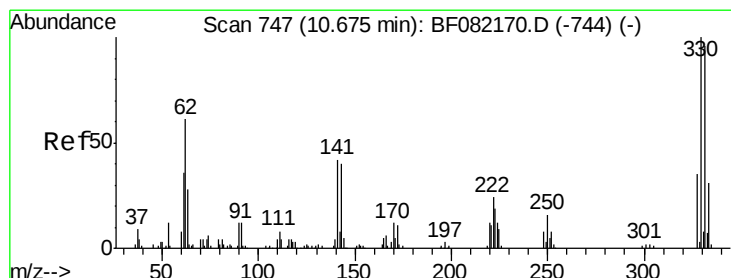
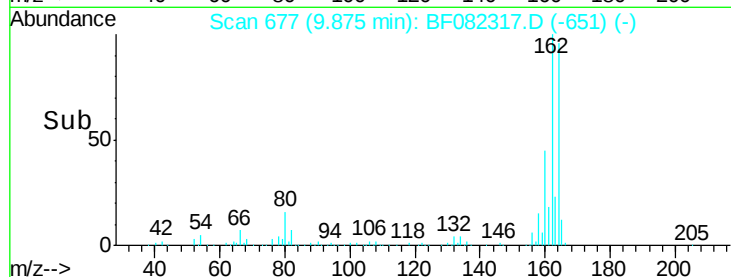
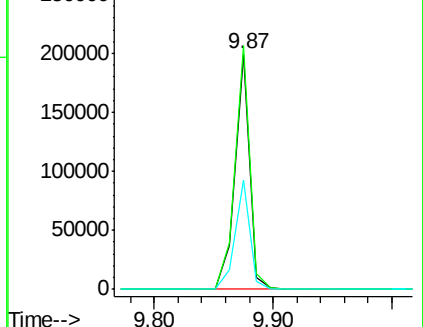
160 46.5 36.4 54.6



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: 81.71 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

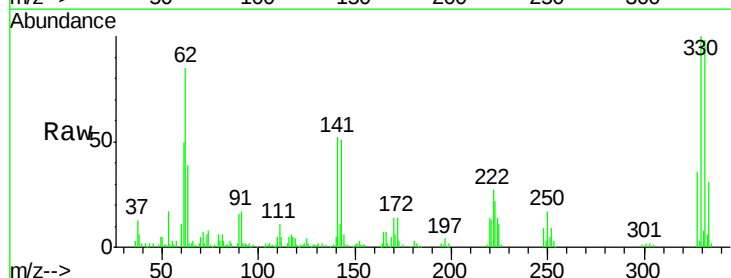
Tgt Ion:330 Resp: 131051

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

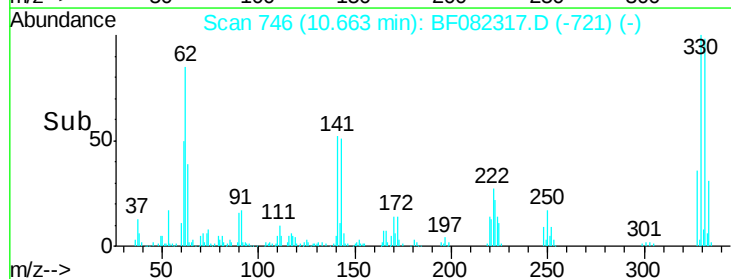
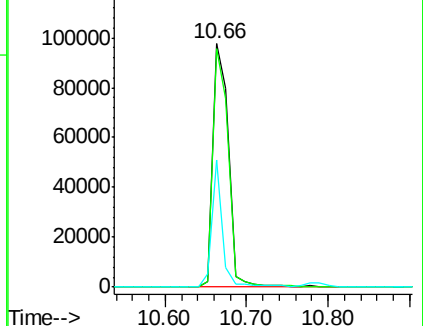
141 36.2 29.8 44.8

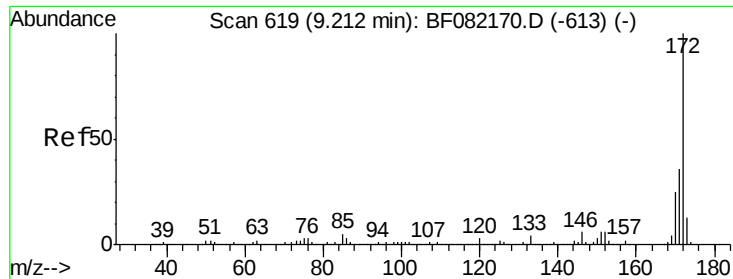


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

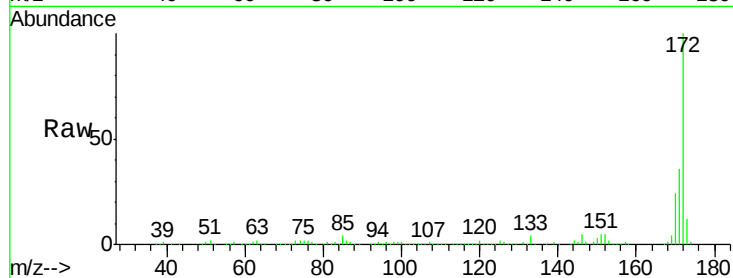




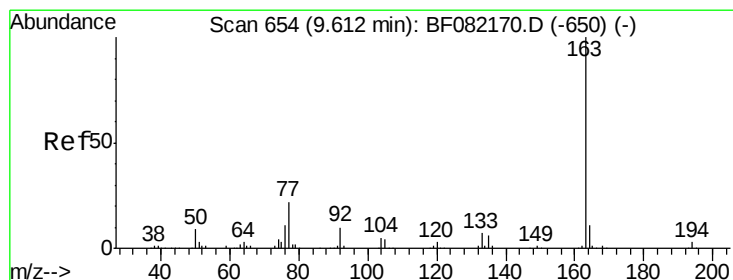
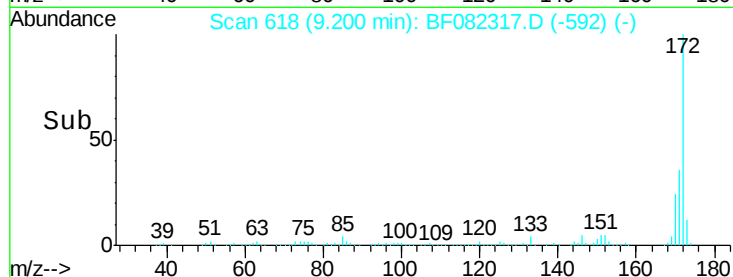
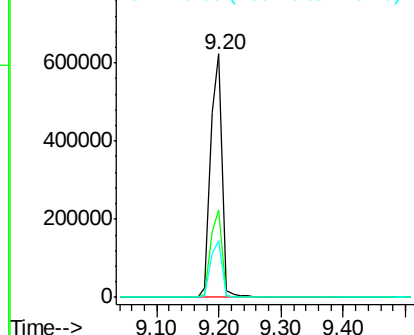
#44
 2-Fluorobiphenyl
 Concen: 77.61 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082317.D
 Acq: 15 Oct 2015 19:00

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Tot Ion:172 Resp: 800352
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 42.8
 170 23.5 19.7 29.5

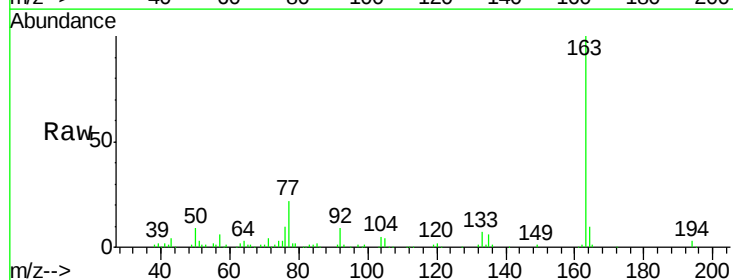


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

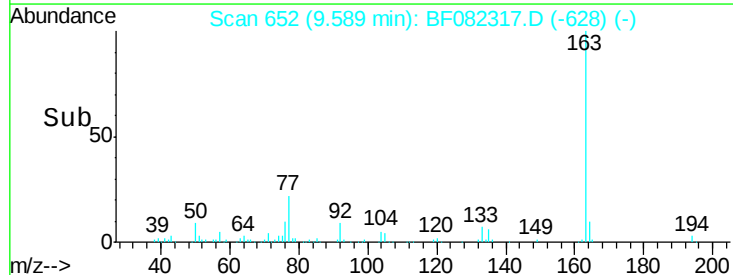
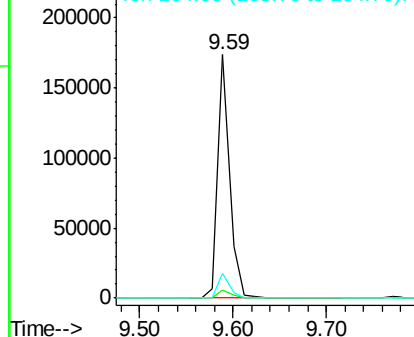


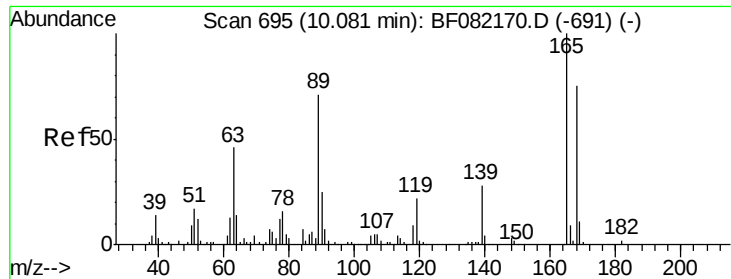
#49
 Dimethylphthalate
 Concen: 12.72 ng
 RT: 9.59 min Scan# 652
 Delta R.T. -0.02 min
 Lab File: BF082317.D
 Acq: 15 Oct 2015 19:00

Tgt Ion:163 Resp: 153213
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.3 8.5 12.7



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





#56

2,4-Dinitrotoluene

Concen: 6.92 ng

RT: 9.87 min Scan# 677

Delta R.T. -0.19 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

Tot Ion:165 Resp: 21978

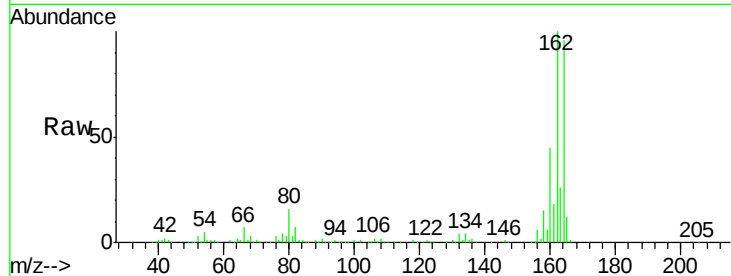
Ion Ratio Lower Upper

165 100

63 1.3 38.6 58.0#

89 1.5 57.0 85.6#

182 0.0 1.8 2.6#

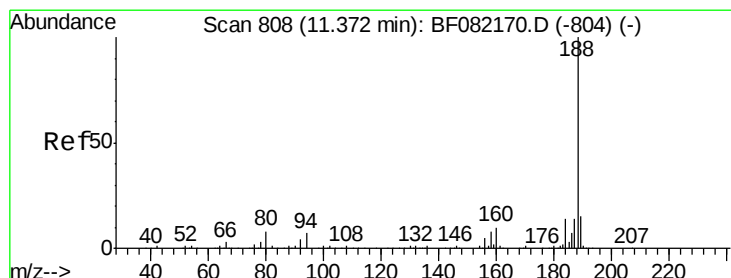
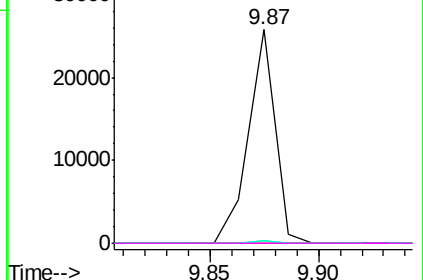
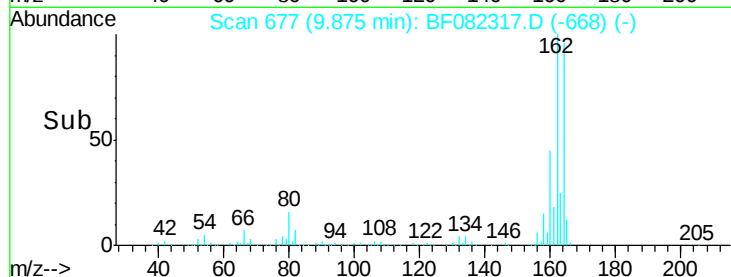


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

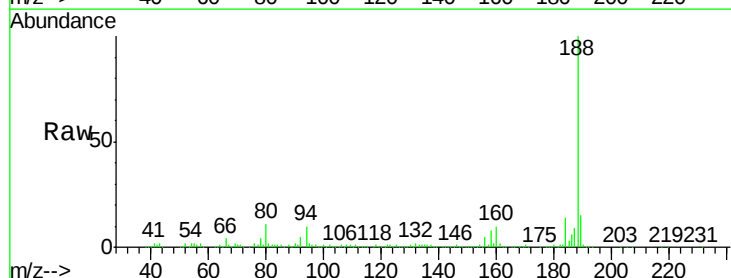
Tgt Ion:188 Resp: 285035

Ion Ratio Lower Upper

188 100

94 9.6 5.8 8.6#

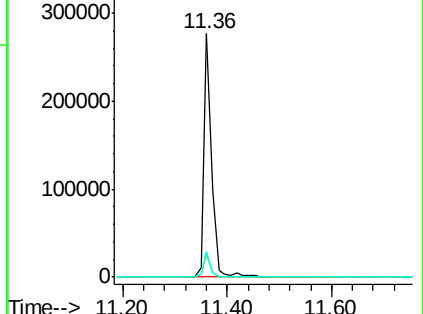
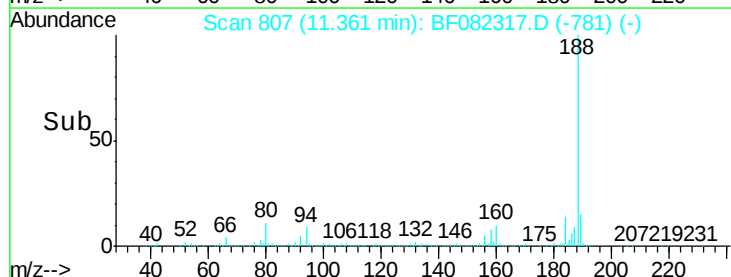
80 10.7 6.4 9.6#

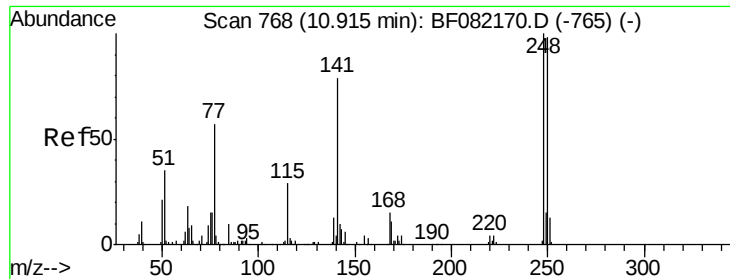


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.84 ng

RT: 10.66 min Scan# 746

Delta R.T. -0.25 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

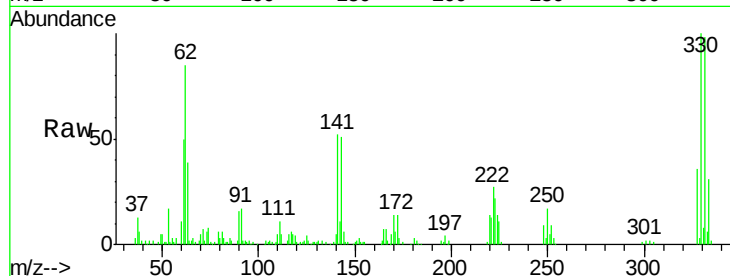
Tot Ion:248 Resp: 8099

Ion Ratio Lower Upper

248 100

250 202.2 78.6 117.8#

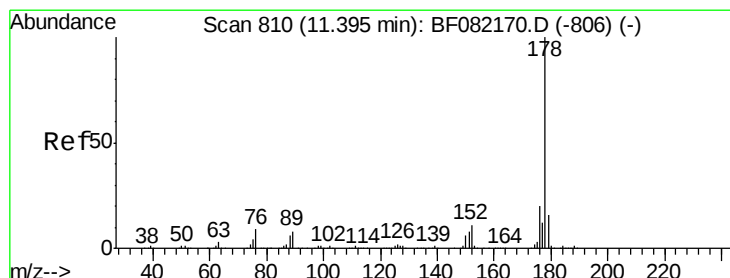
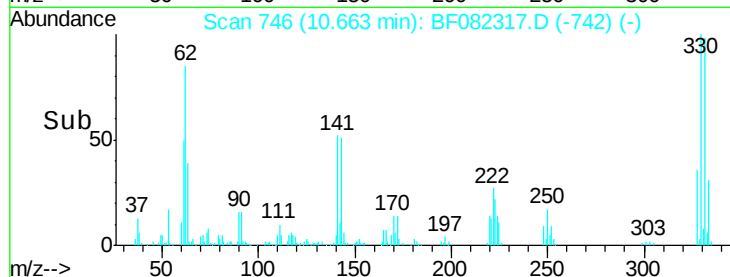
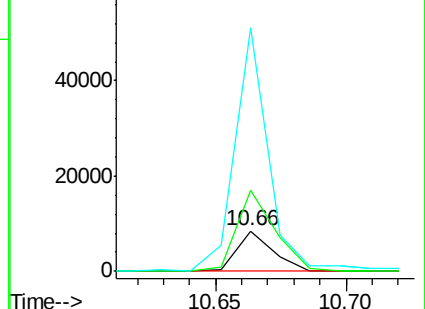
141 607.1 63.3 94.9#



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



#70

Phenanthrene

Concen: 7.33 ng

RT: 11.38 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

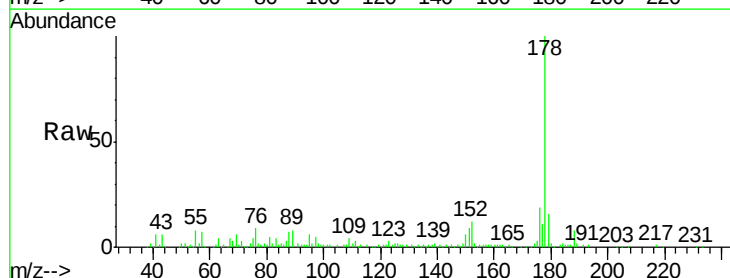
Tgt Ion:178 Resp: 102474

Ion Ratio Lower Upper

178 100

176 19.0 16.0 24.0

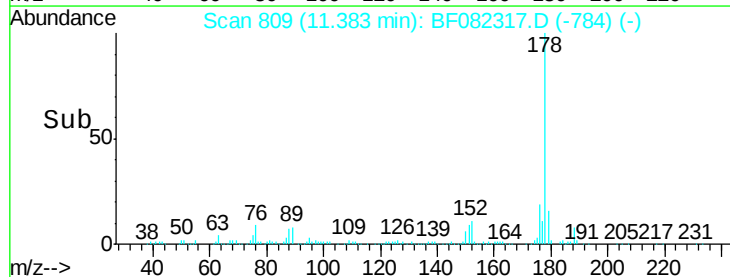
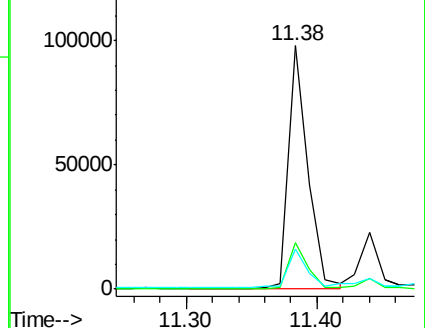
179 16.4 12.6 19.0

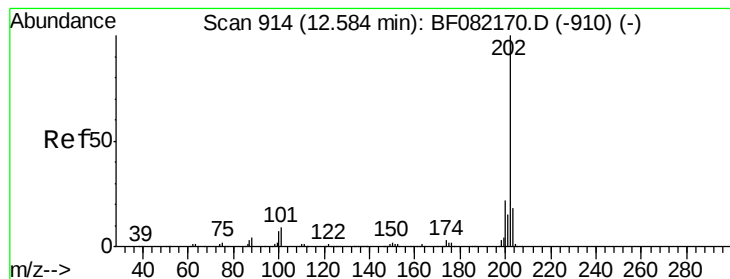


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.26 ng

RT: 12.58 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

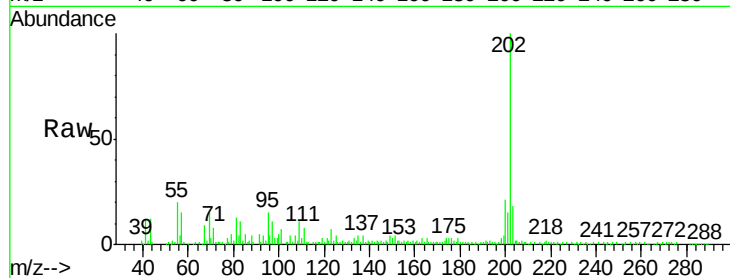
Tot Ion:202 Resp: 93995

Ion Ratio Lower Upper

202 100

101 7.1 0.0 29.3

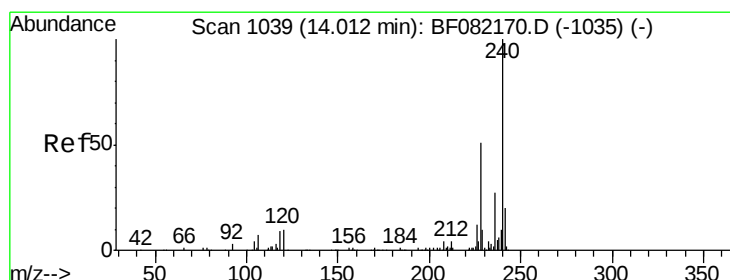
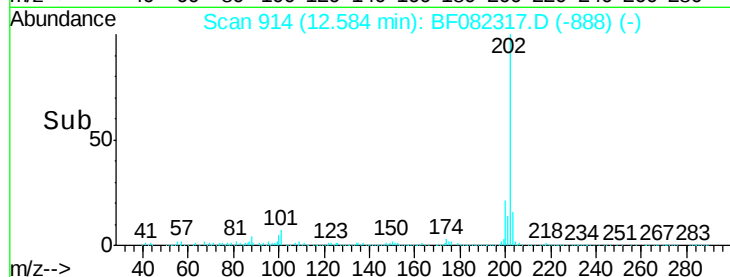
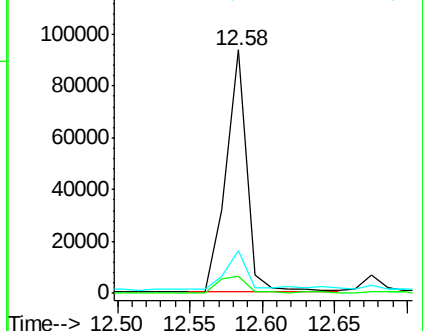
203 17.7 0.0 37.8



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: 14.04 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

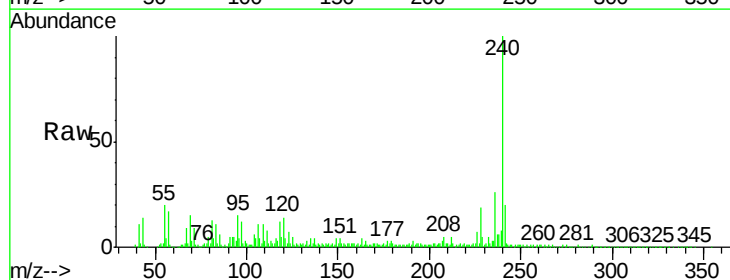
Tgt Ion:240 Resp: 205675

Ion Ratio Lower Upper

240 100

120 14.2 8.1 12.1#

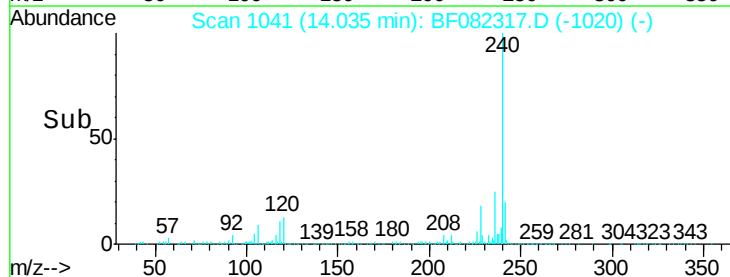
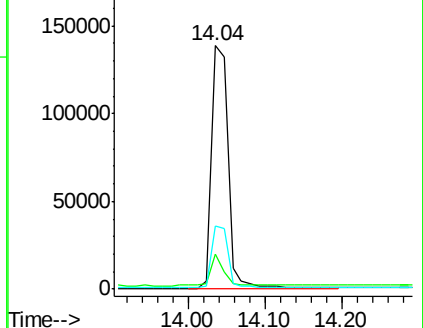
236 25.8 21.3 31.9

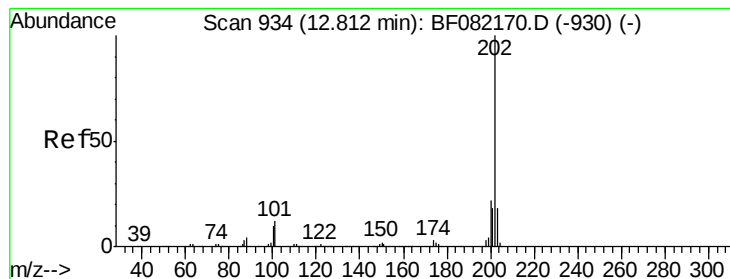


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.69 ng

RT: 12.81 min Scan# 934

Delta R.T. 0.00 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

Instrument :

BNA_F

ClientSampleId :

CS-2

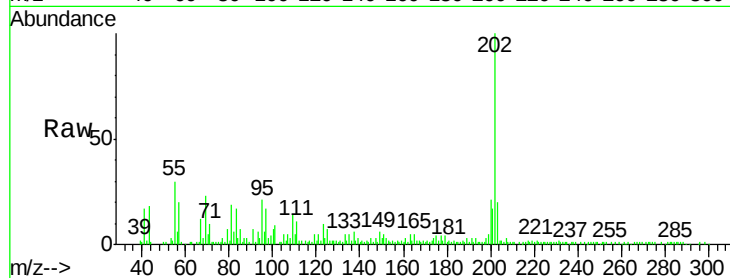
Tot Ion:202 Resp: 69481

Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

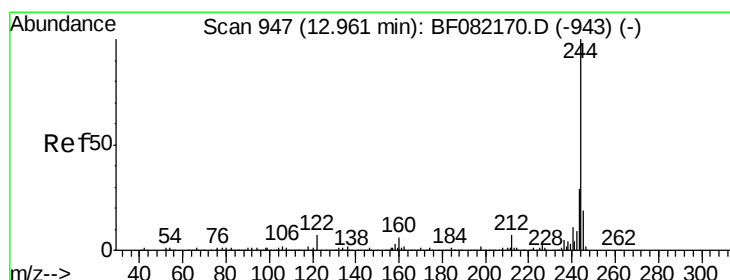
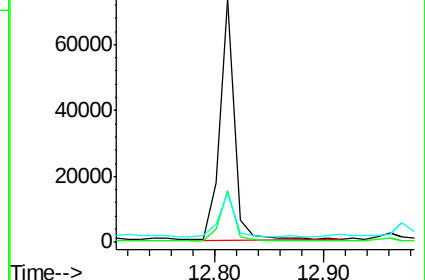
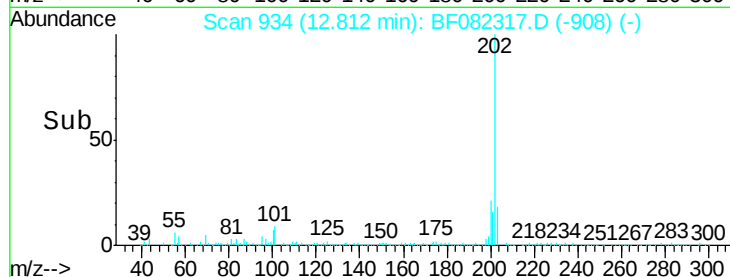
203 20.0 14.5 21.7



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: 77.94 ng

RT: 12.96 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF082317.D

Acq: 15 Oct 2015 19:00

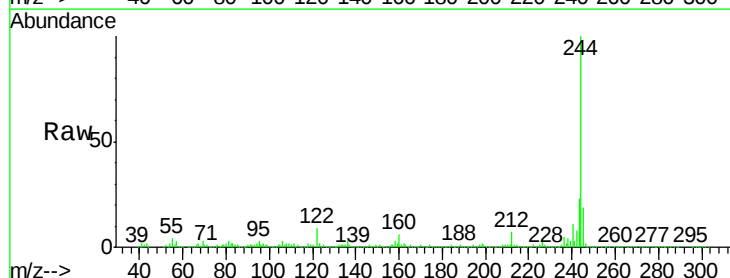
Tgt Ion:244 Resp: 604941

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

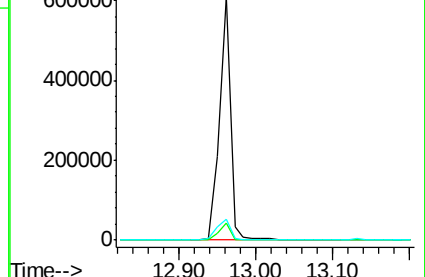
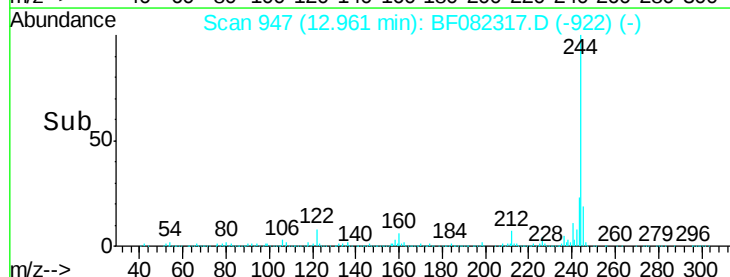
122 8.5 5.9 8.9

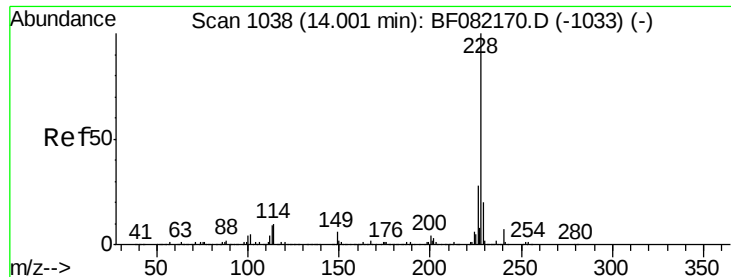


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

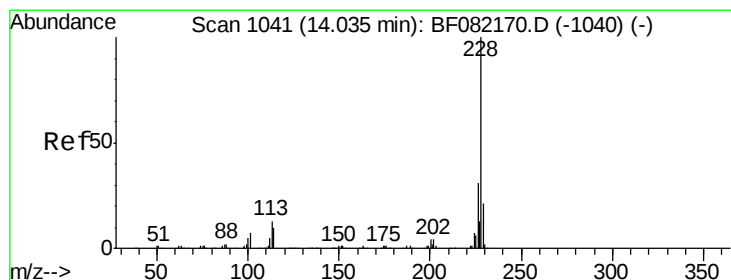
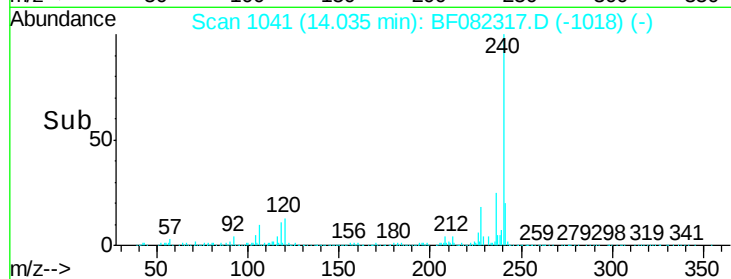
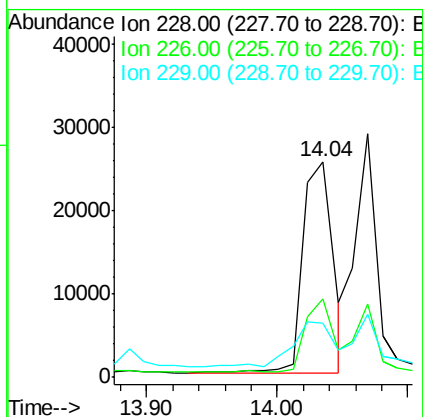
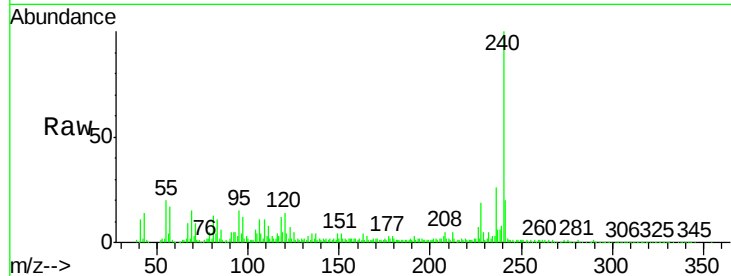




#80
Benzo(a)anthracene
Concen: 3.76 ng
RT: 14.04 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

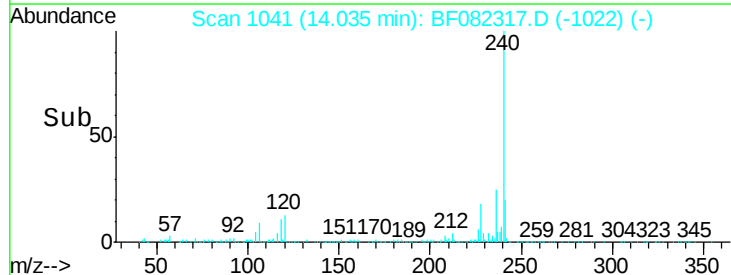
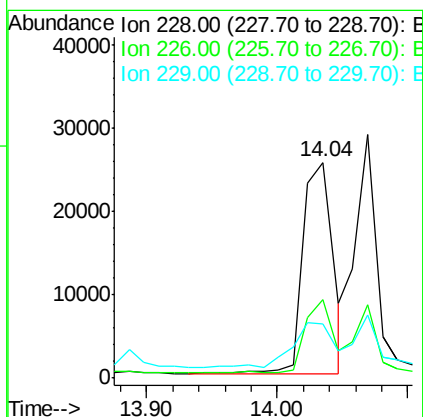
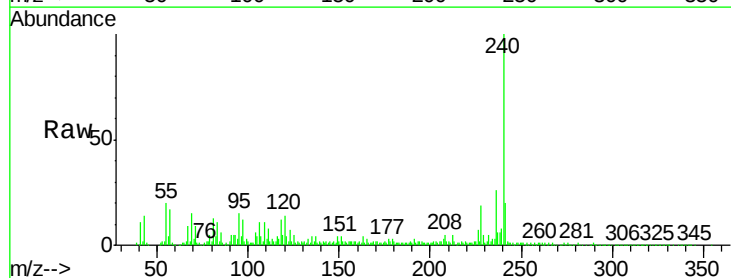
Instrument :
BNA_F
ClientSampleId :
CS-2

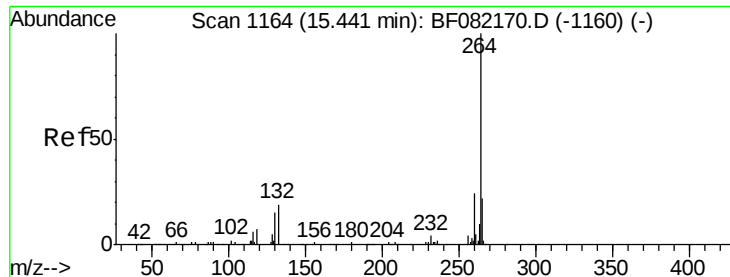
Tot Ion:228 Resp: 40204
Ion Ratio Lower Upper
228 100
226 36.3 22.3 33.5#
229 25.4 16.2 24.2#



#82
Chrysene
Concen: 3.57 ng
RT: 14.04 min Scan# 1041
Delta R.T. -0.08 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

Tgt Ion:228 Resp: 40204
Ion Ratio Lower Upper
228 100
226 36.3 24.4 36.6
229 25.4 16.3 24.5#

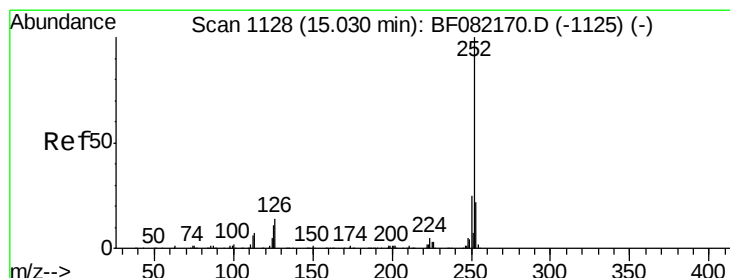
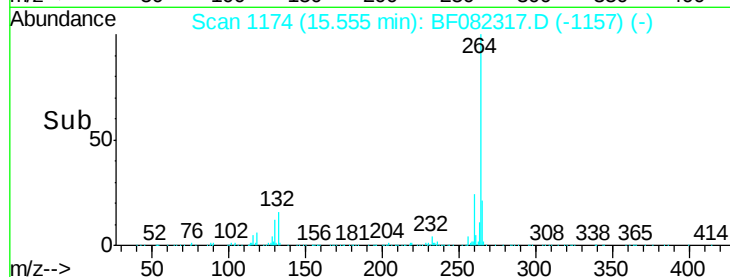
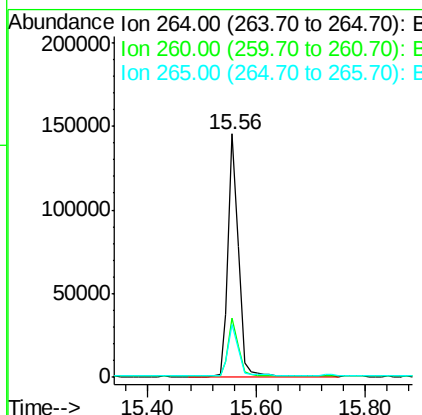
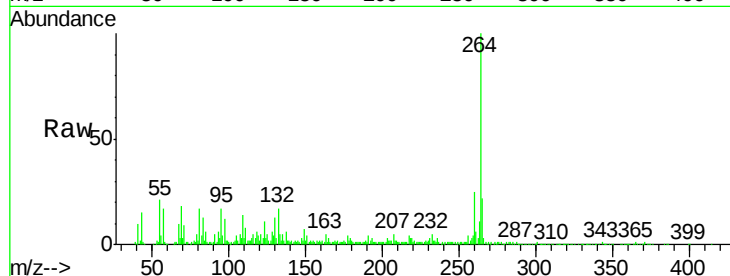




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1174
Delta R.T. -0.10 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

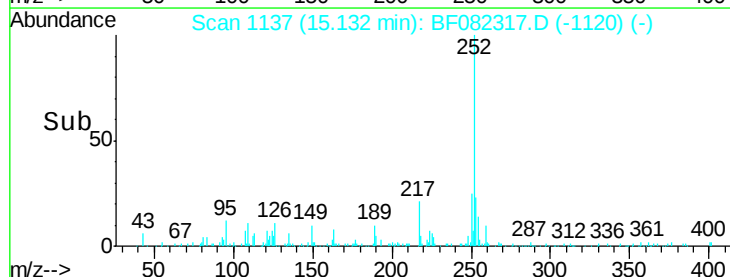
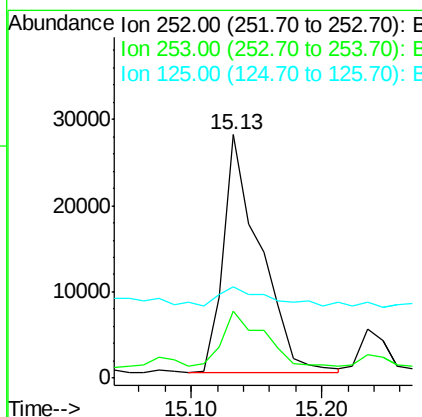
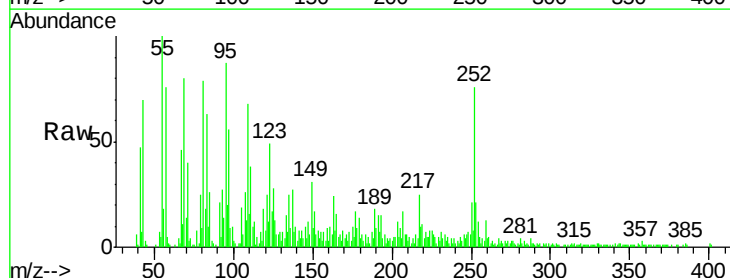
Instrument :
BNA_F
ClientSampleId :
CS-2

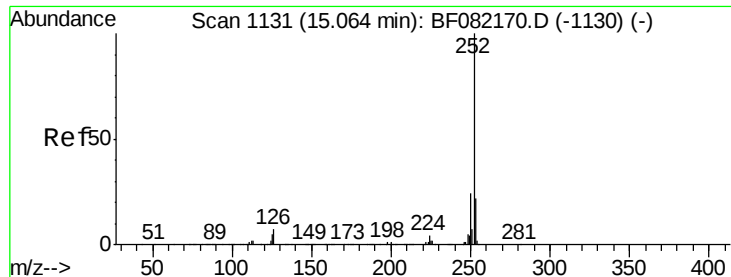
Tot Ion:264 Resp: 193431
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.57 ng
RT: 15.13 min Scan# 1137
Delta R.T. -0.10 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

Tgt Ion:252 Resp: 53736
Ion Ratio Lower Upper
252 100
253 27.4 18.0 27.0#
125 37.3 8.6 12.8#

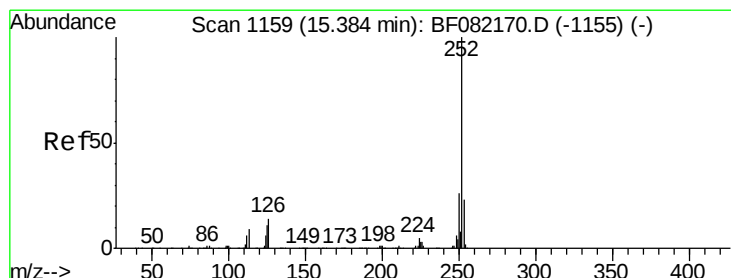
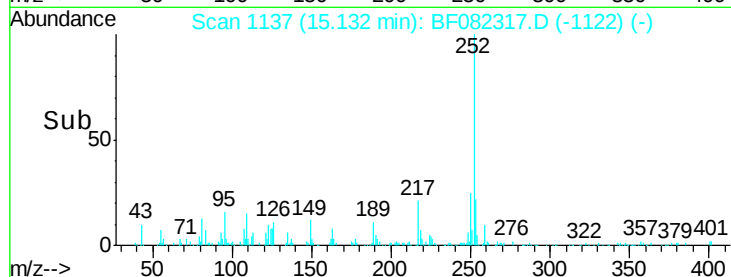
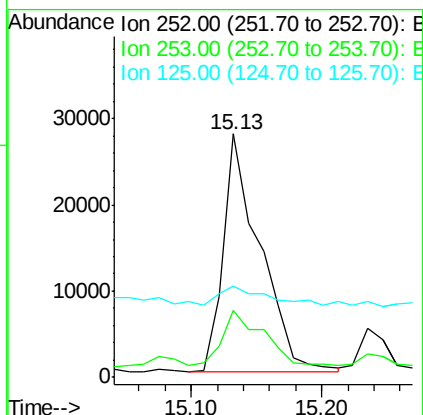
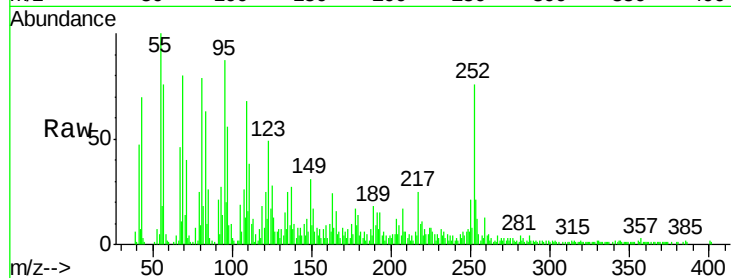




#88
Benzo(k)fluoranthene
Concen: 5.43 ng
RT: 15.13 min Scan# 1137
Delta R.T. -0.13 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

Instrument :
BNA_F
ClientSampleId :
CS-2

Tot Ion:252 Resp: 53736
Ion Ratio Lower Upper
252 100
253 27.4 17.8 26.6#
125 37.3 6.7 10.1#



#89
Benzo(a)pyrene
Concen: 2.27 ng
RT: 15.50 min Scan# 1169
Delta R.T. -0.09 min
Lab File: BF082317.D
Acq: 15 Oct 2015 19:00

Tgt Ion:252 Resp: 22912
Ion Ratio Lower Upper
252 100
253 28.8 18.2 27.2#
125 59.4 8.9 13.3#

