

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
 Data File : BF086652.D
 Acq On : 3 May 2016 18:51
 Operator : UM/SJ
 Sample : H2685-10 4X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-1(0-10FTBGS)

Quant Time: May 04 02:32:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

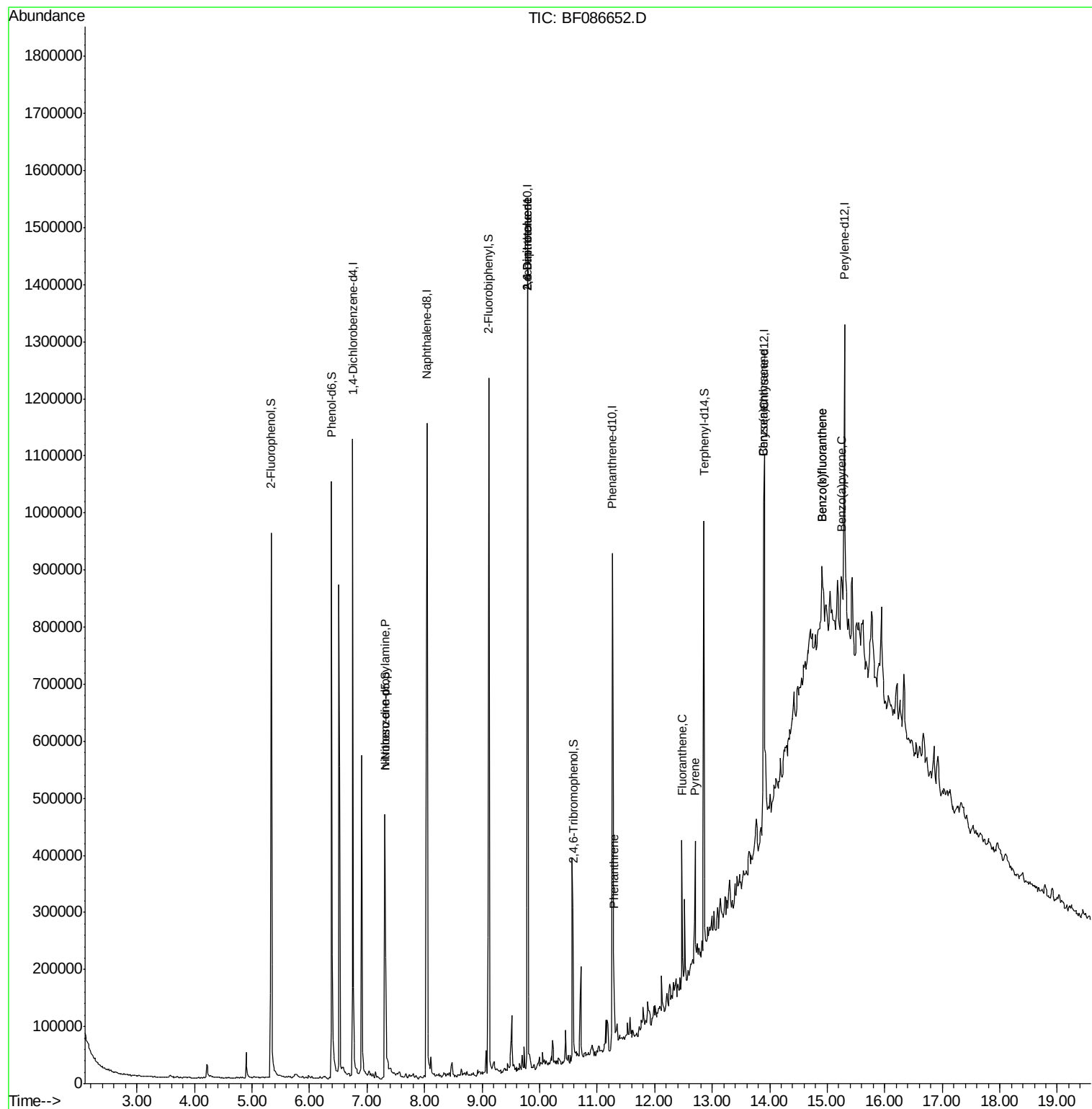
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	156640	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	624690	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	275501	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	384173	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	327485	20.00	ng	-0.06
86) Perylene-d12	15.30	264	270361	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	257390	28.34	ng	-0.06
7) Phenol-d6	6.38	99	351140	27.70	ng	-0.06
23) Nitrobenzene-d5	7.31	82	198555	17.13	ng	-0.07
41) 2,4,6-Tribromophenol	10.58	330	52227	17.98	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	374247	16.20	ng	-0.06
78) Terphenyl-d14	12.85	244	243227	16.36	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	27318	3.26	ng	# 68
50) 2,6-Dinitrotoluene	9.79	165	36481	8.51	ng	# 20
56) 2,4-Dinitrotoluene	9.79	165	36983	6.77	ng	# 16
70) Phenanthrene	11.29	178	51186	2.54	ng	98
74) Fluoranthene	12.48	202	96033	4.72	ng	97
77) Pyrene	12.71	202	92434	3.92	ng	98
80) Benzo(a)anthracene	13.89	228	47943	2.75	ng	# 94
82) Chrysene	13.89	228	47943	2.53	ng	# 94
87) Benzo(b)fluoranthene	14.91	252	66131	4.16	ng	# 78
88) Benzo(k)fluoranthene	14.91	252	66131	3.99	ng	# 76
89) Benzo(a)pyrene	15.24	252	30048	2.00	ng	# 68

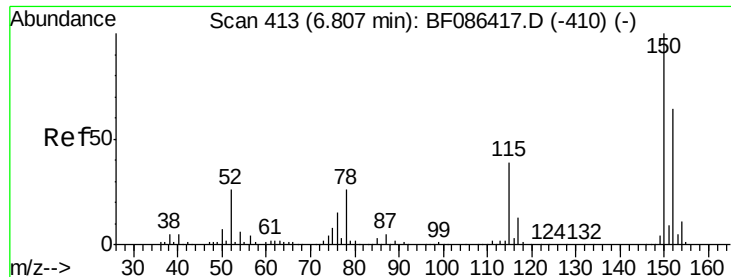
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086652.D
Acq On : 3 May 2016 18:51
Operator : UM/SJ
Sample : H2685-10 4X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-1(0-10FTBGS)

Quant Time: May 04 02:32:01 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

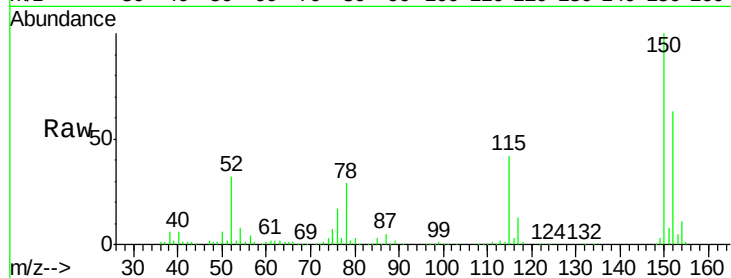
Tgt Ion:152 Resp: 156640

Ion Ratio Lower Upper

152 100

150 157.6 125.8 188.6

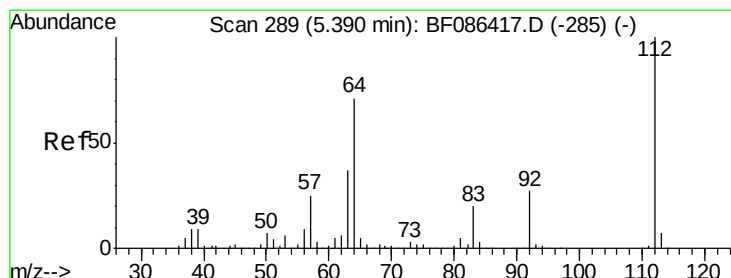
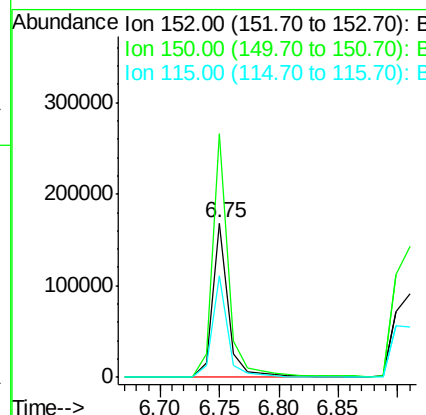
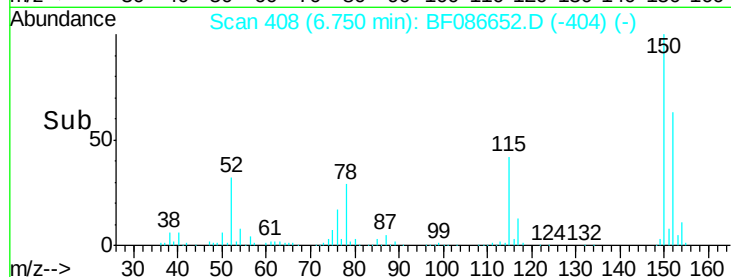
115 65.7 51.5 77.3



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: 28.34 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

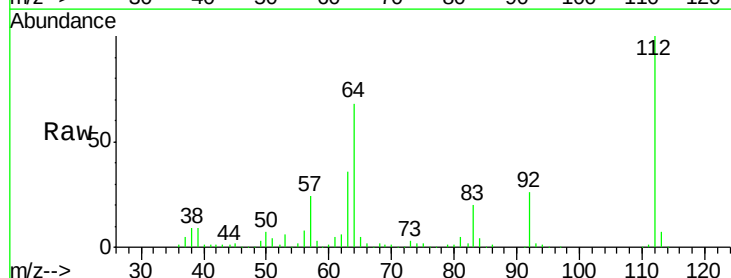
Tgt Ion:112 Resp: 257390

Ion Ratio Lower Upper

112 100

64 68.3 52.1 78.1

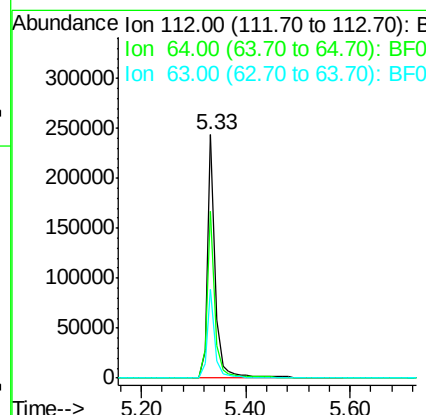
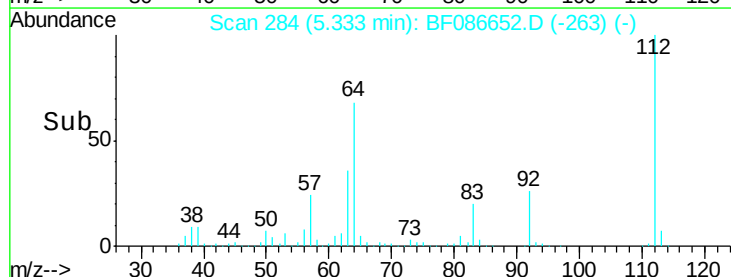
63 36.5 25.7 38.5

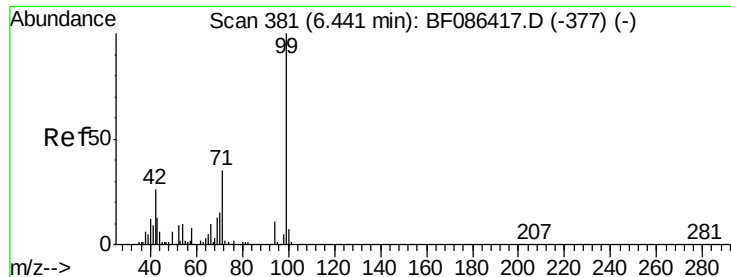


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.70 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

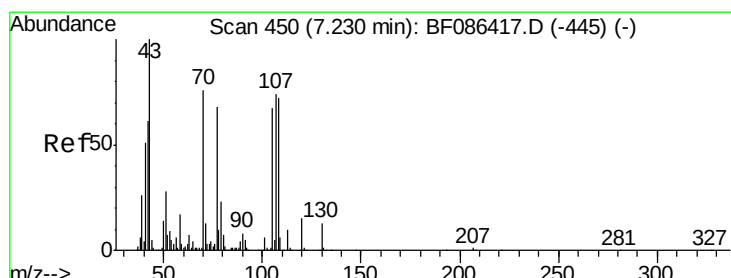
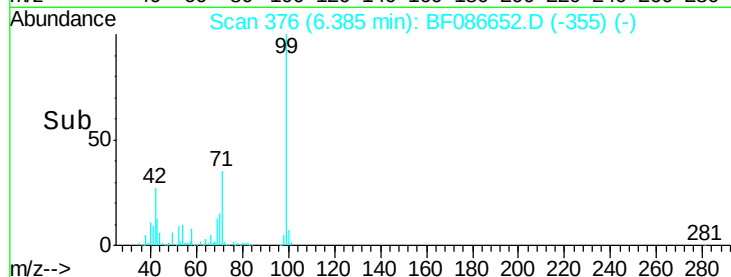
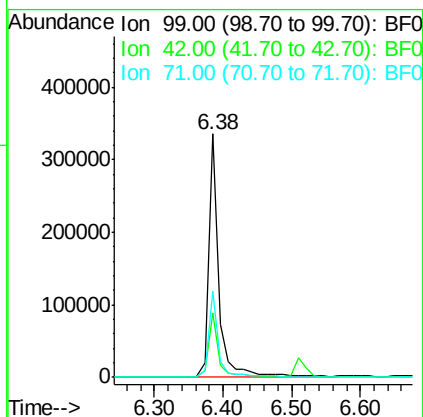
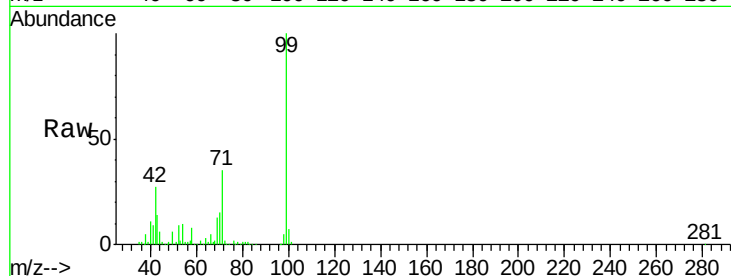
Tgt Ion: 99 Resp: 351140

Ion Ratio Lower Upper

99 100

42 26.7 13.6 20.4#

71 35.2 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 3.26 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.08 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Tgt Ion: 70 Resp: 27318

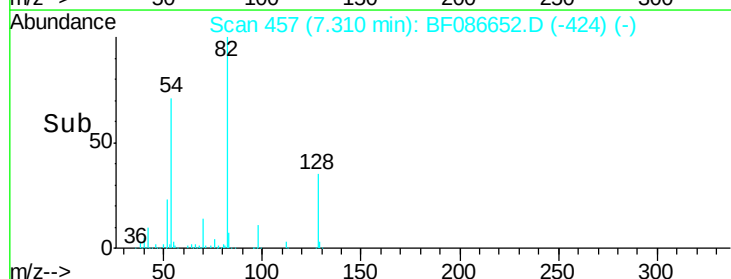
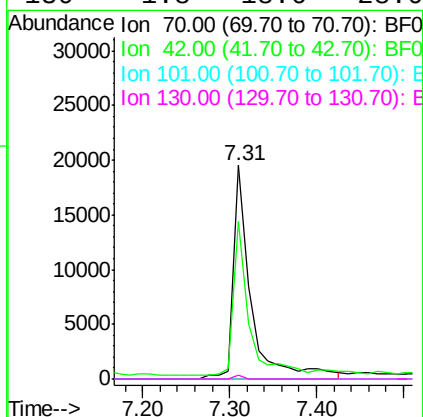
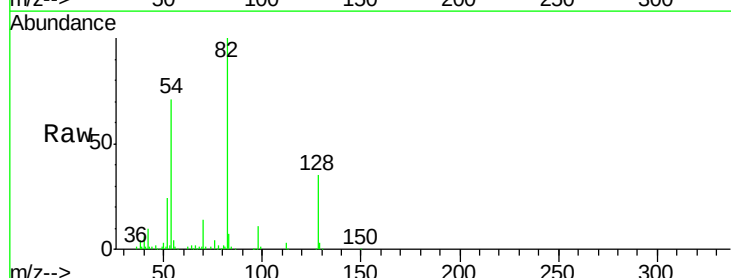
Ion Ratio Lower Upper

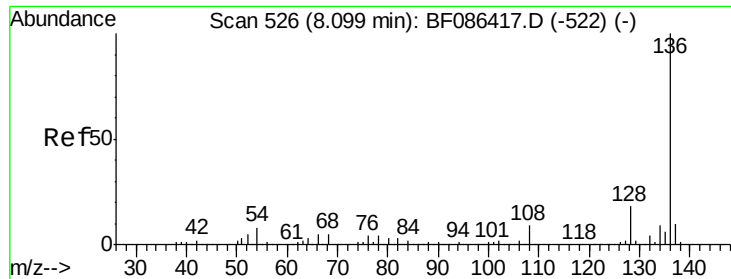
70 100

42 73.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

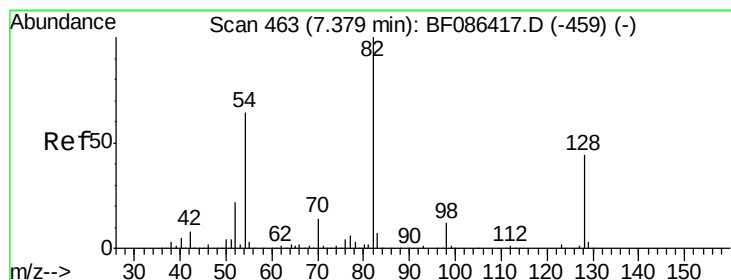
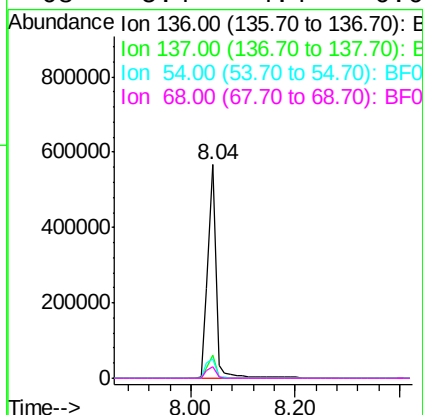
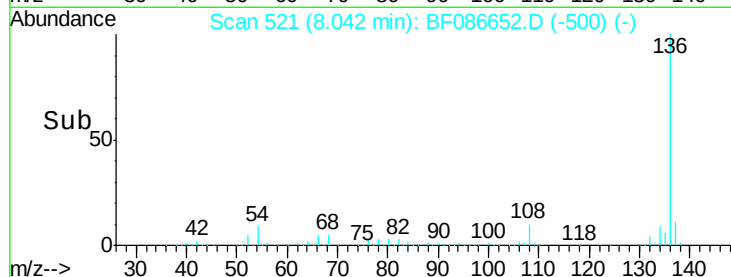
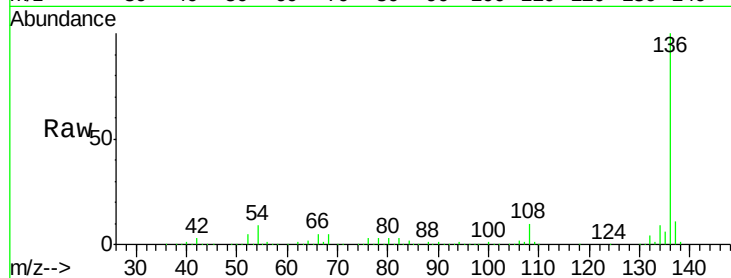




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF086652.D
Acq: 3 May 2016 18:51

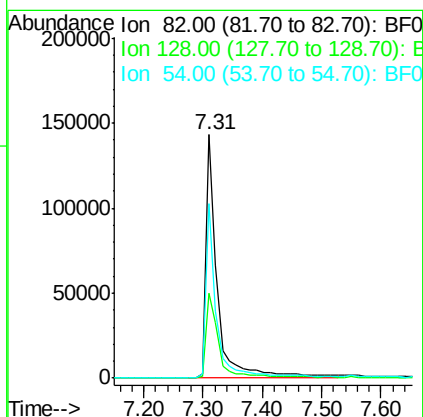
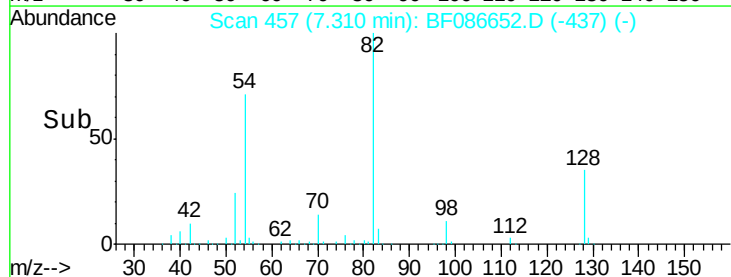
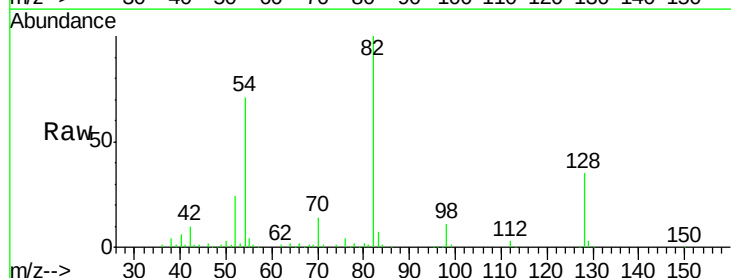
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-1(0-10FTBGS)

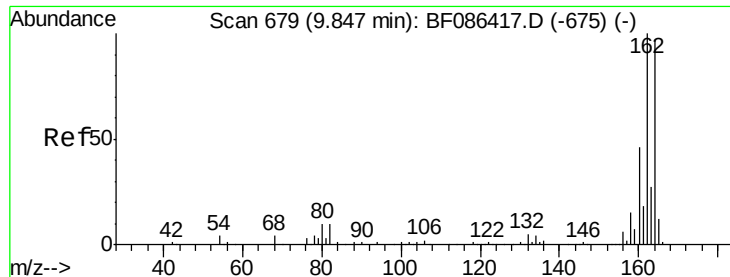
Tgt Ion:	136	Resp:	624690
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	8.7	5.0	7.4#
68	5.4	4.4	6.6



#23
Nitrobenzene-d5
Concen: 17.13 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.07 min
Lab File: BF086652.D
Acq: 3 May 2016 18:51

Tgt Ion:	82	Resp:	198555
Ion	Ratio	Lower	Upper
82	100		
128	34.8	40.6	61.0#
54	71.5	38.1	57.1#

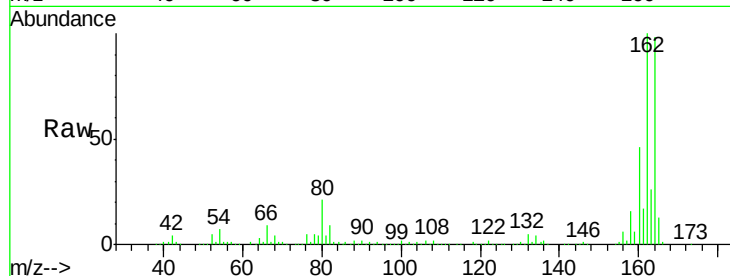




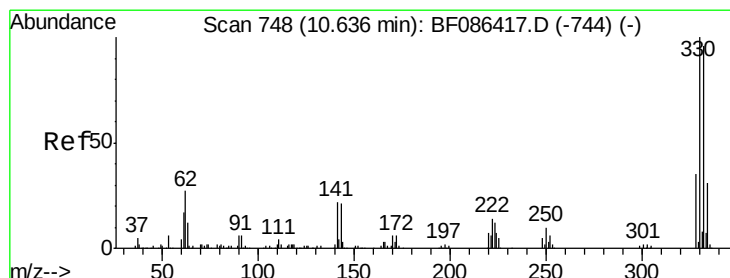
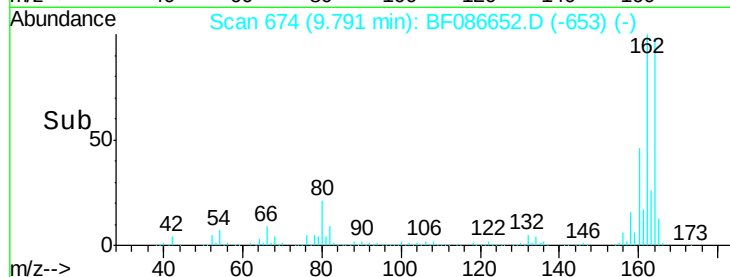
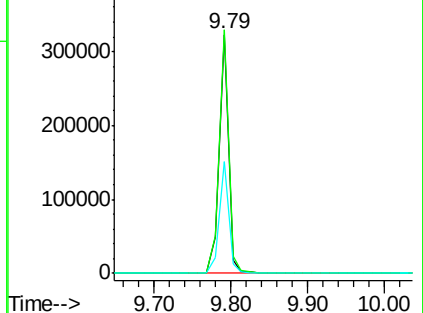
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF086652.D
 Acq: 3 May 2016 18:51

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:164 Resp: 275501
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.8 124.2
 160 46.7 36.9 55.3

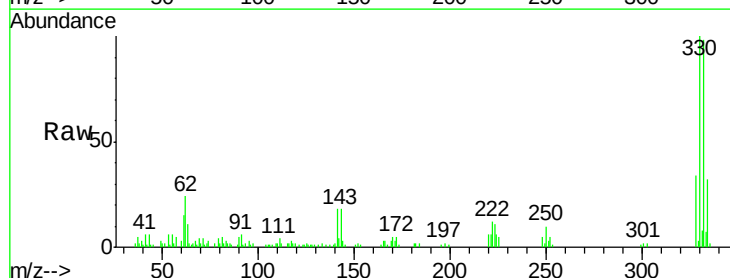


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

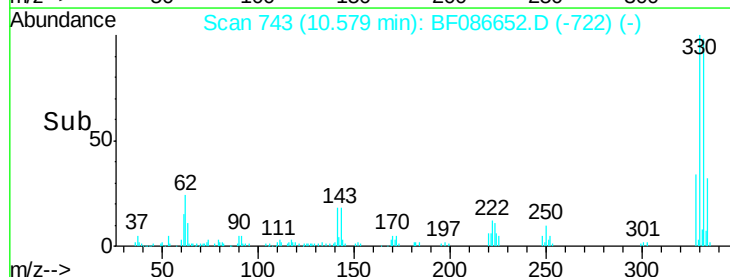
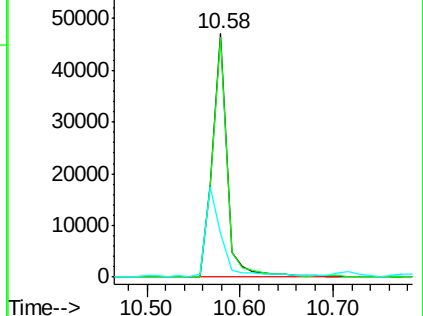


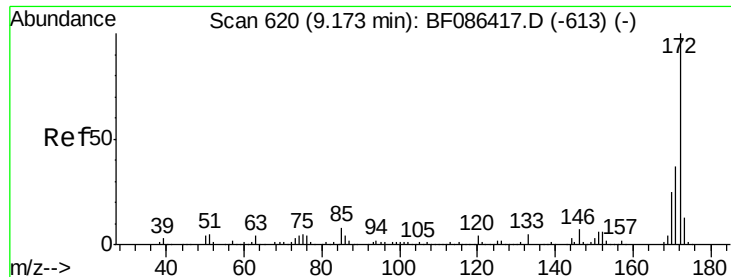
#41
 2,4,6-Tribromophenol
 Concen: 17.98 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086652.D
 Acq: 3 May 2016 18:51

Tgt Ion:330 Resp: 52227
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.0 118.4
 141 42.4 31.2 46.8



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

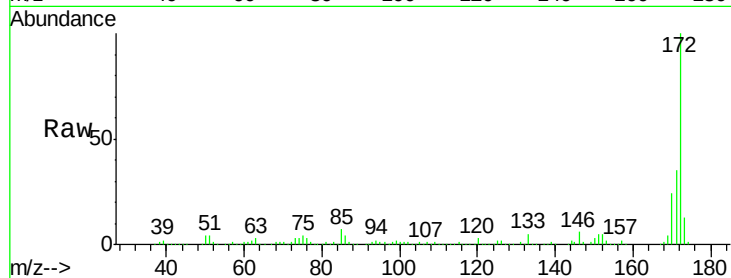




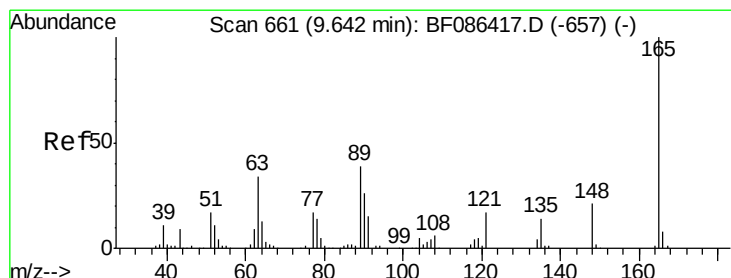
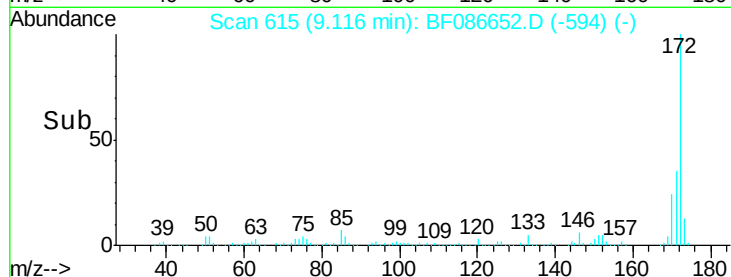
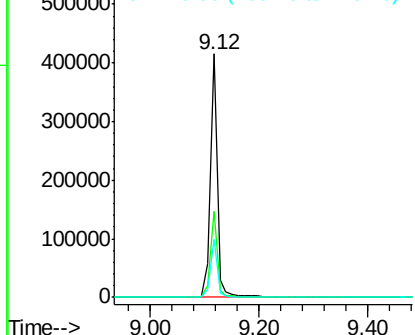
#44
 2-Fluorobiphenyl
 Concen: 16.20 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086652.D
 Acq: 3 May 2016 18:51

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:172 Resp: 374247
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.6
 170 23.6 19.8 29.8

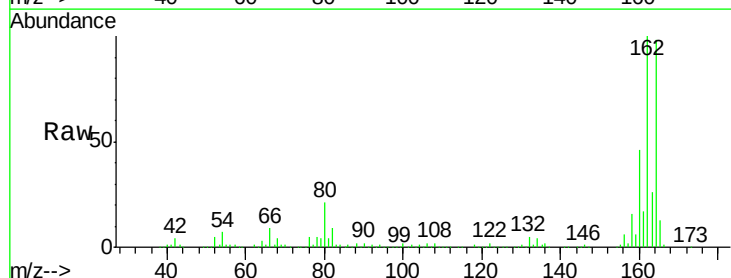


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

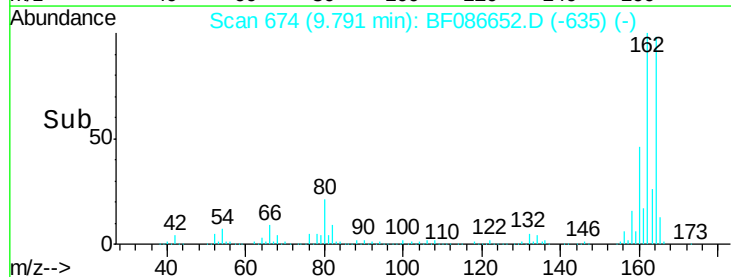
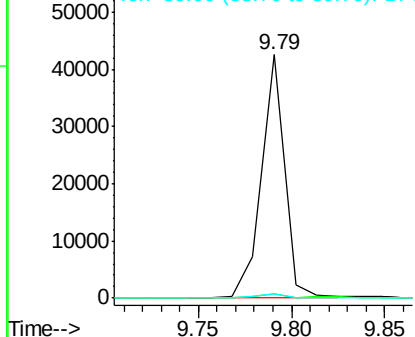


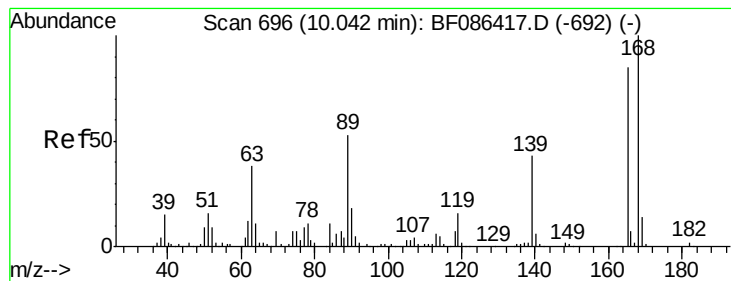
#50
 2,6-Dinitrotoluene
 Concen: 8.51 ng
 RT: 9.79 min Scan# 674
 Delta R.T. 0.15 min
 Lab File: BF086652.D
 Acq: 3 May 2016 18:51

Tgt Ion:165 Resp: 36481
 Ion Ratio Lower Upper
 165 100
 63 1.6 51.8 77.8#
 89 1.7 50.7 76.1#



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





#56

2,4-Dinitrotoluene

Concen: 6.77 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.25 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:165 Resp: 36983

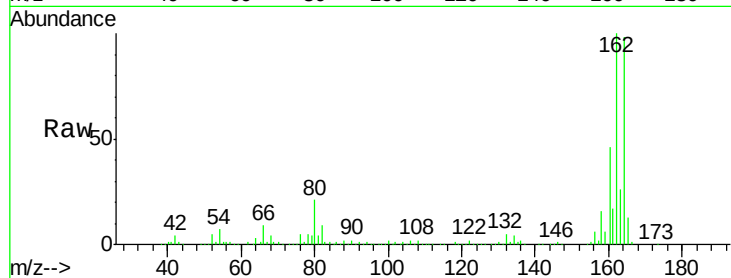
Ion Ratio Lower Upper

165 100

63 1.6 44.3 66.5#

89 1.7 70.0 105.0#

182 0.0 1.8 2.6#

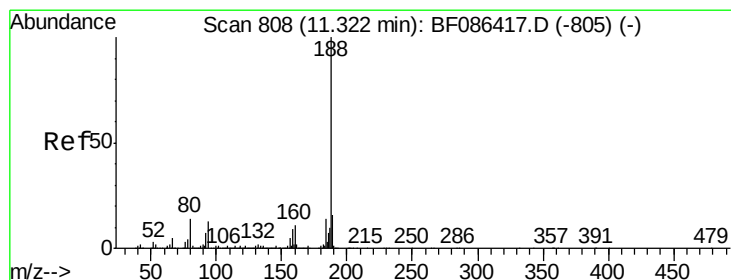
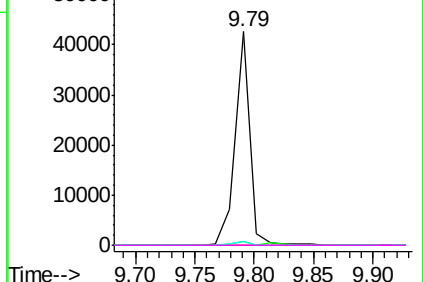
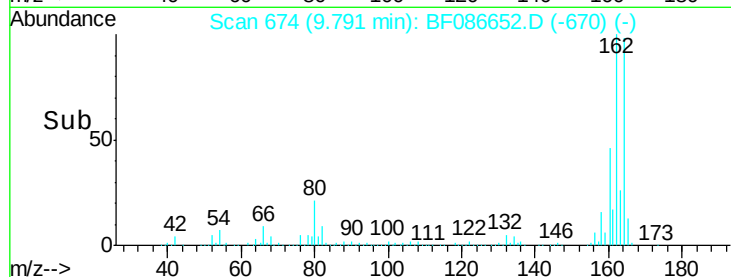


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.26 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

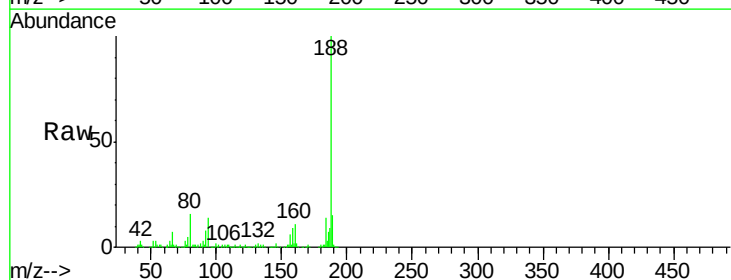
Tgt Ion:188 Resp: 384173

Ion Ratio Lower Upper

188 100

94 14.3 6.8 10.2#

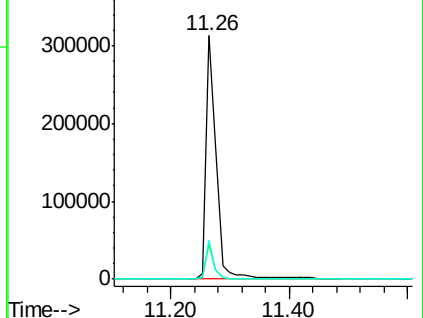
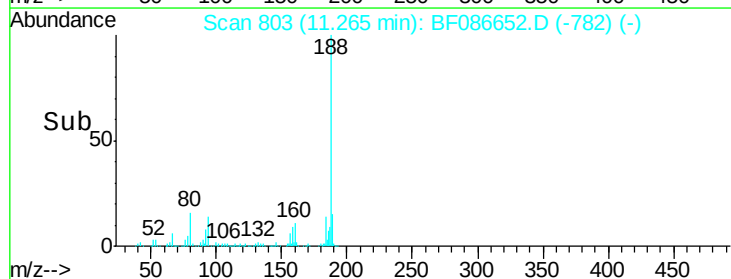
80 15.8 7.1 10.7#

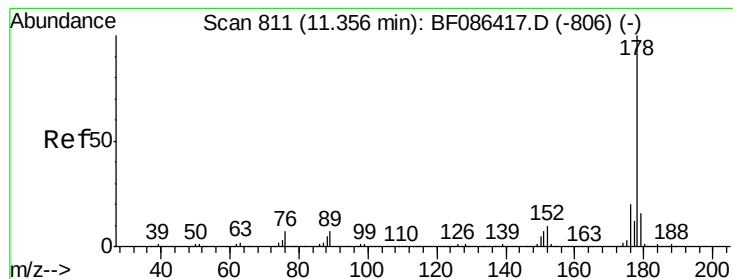


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.54 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.07 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

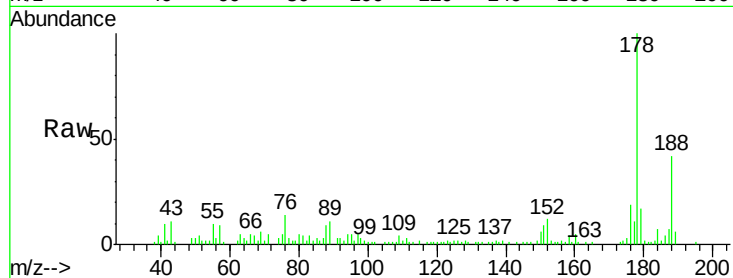
Tgt Ion:178 Resp: 51186

Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

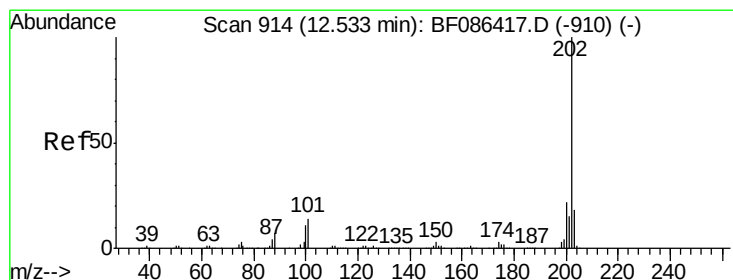
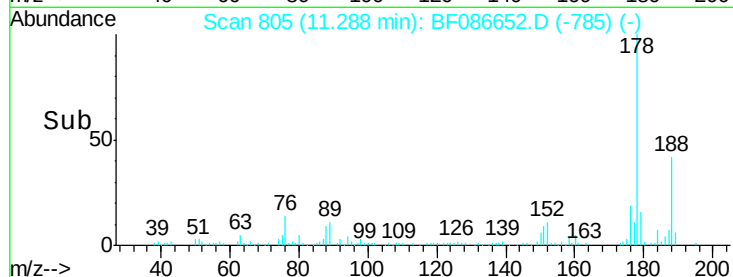
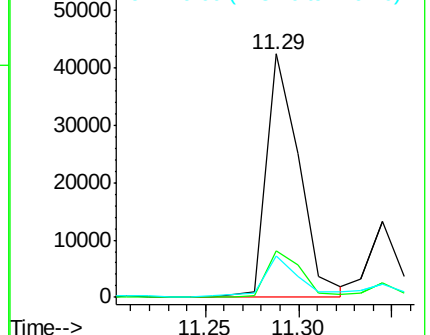
179 17.0 12.6 18.8



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



#74

Fluoranthene

Concen: 4.72 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

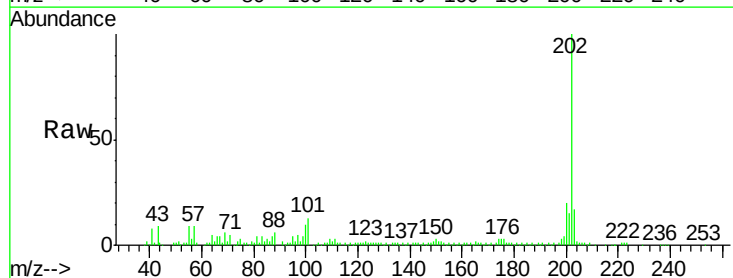
Tgt Ion:202 Resp: 96033

Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.4

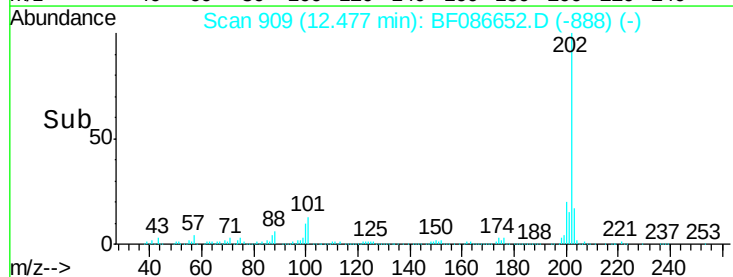
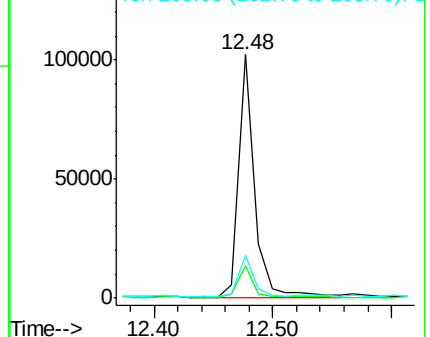
203 17.4 0.0 38.1

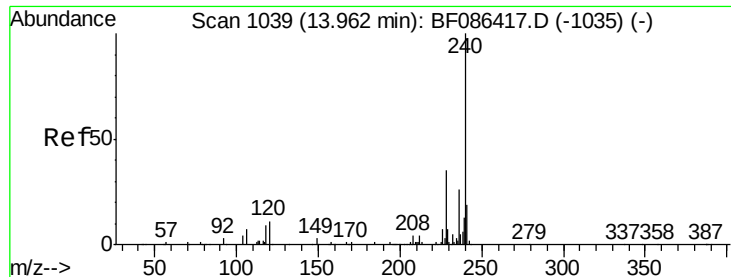


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

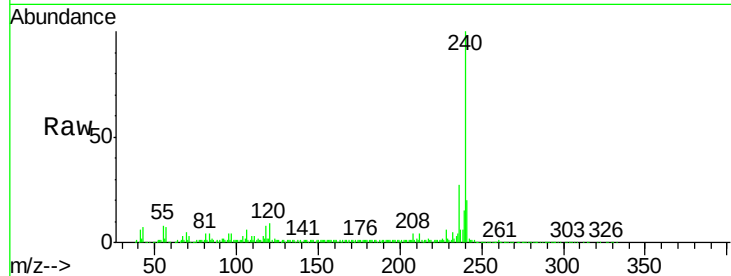
Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

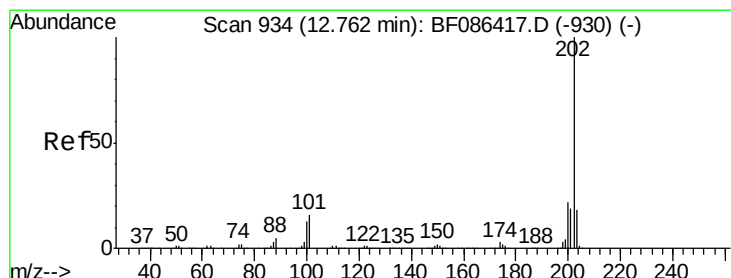
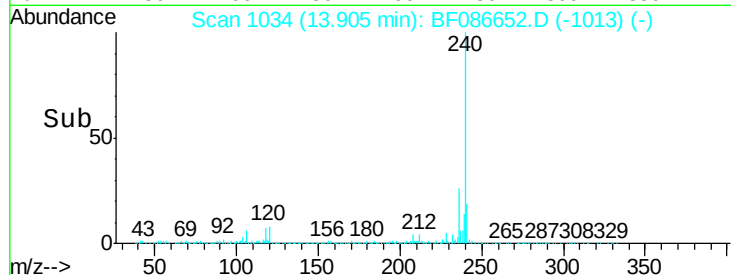
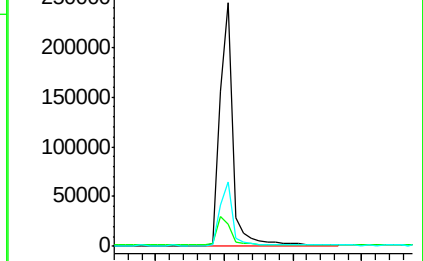
Tgt Ion:	240	Resp:	327485
Ion Ratio		Lower	Upper
240	100		
120	9.0	11.2	16.8#
236	26.6	21.2	31.8



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: 3.92 ng

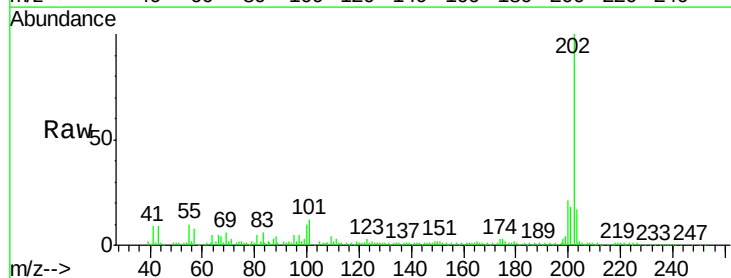
RT: 12.71 min Scan# 929

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

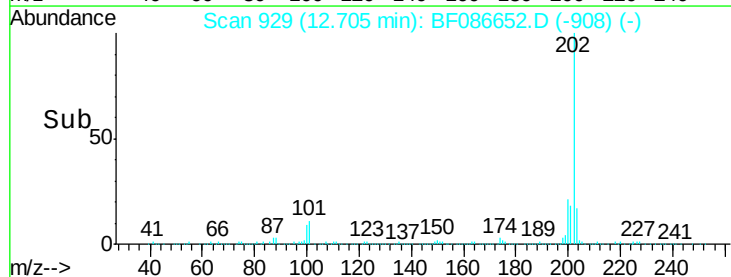
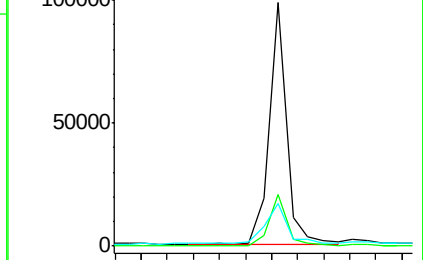
Tgt Ion:	202	Resp:	92434
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.4	14.2	21.4

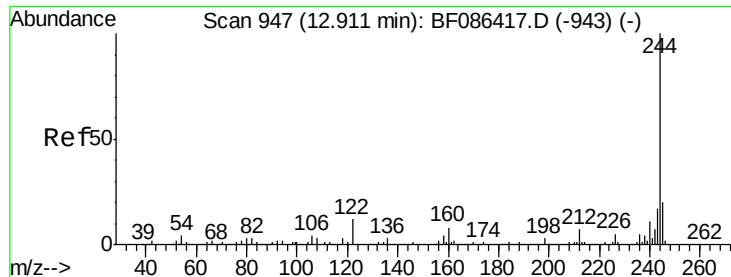


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.36 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

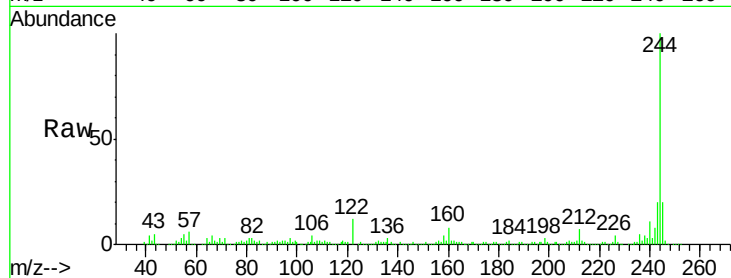
Tgt Ion:244 Resp: 243227

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

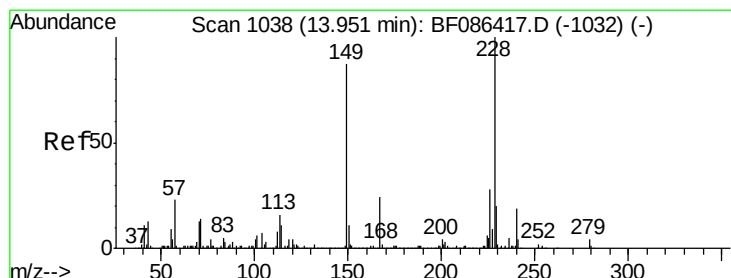
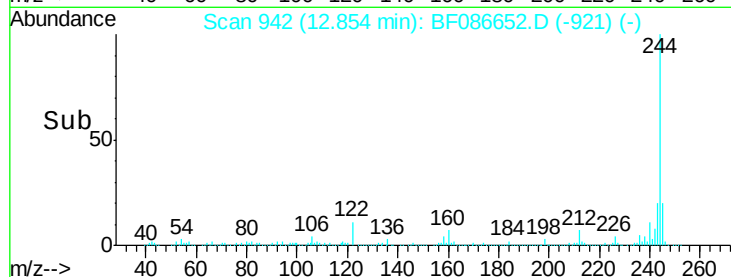
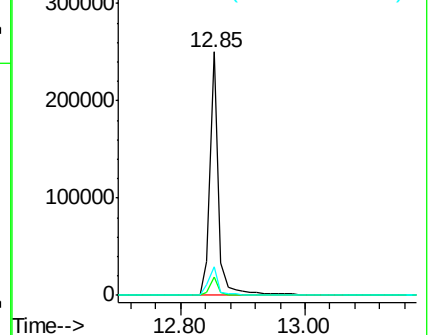
122 11.6 12.0 18.0#



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: 2.75 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

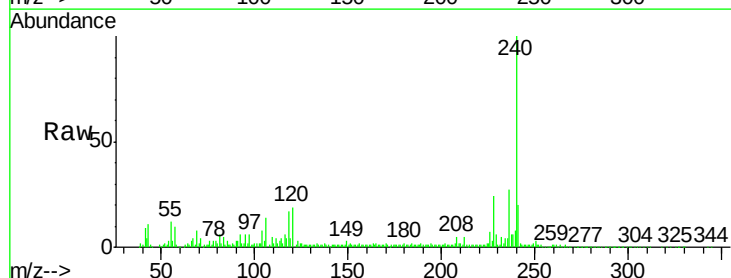
Tgt Ion:228 Resp: 47943

Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

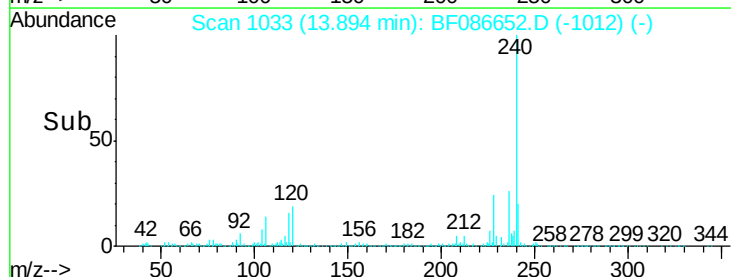
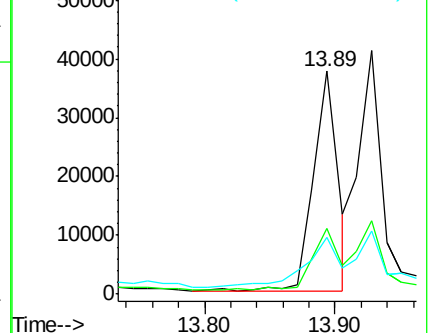
229 25.3 16.6 25.0#

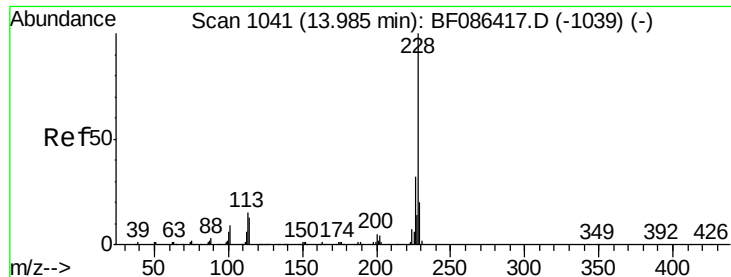


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.53 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

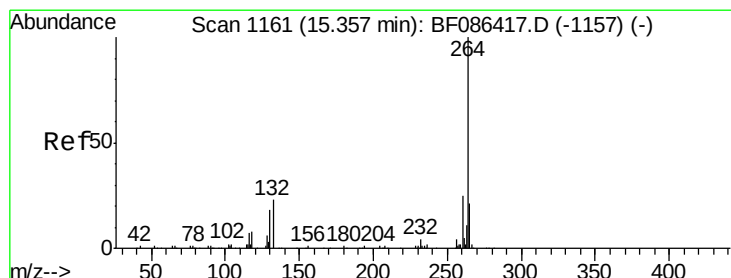
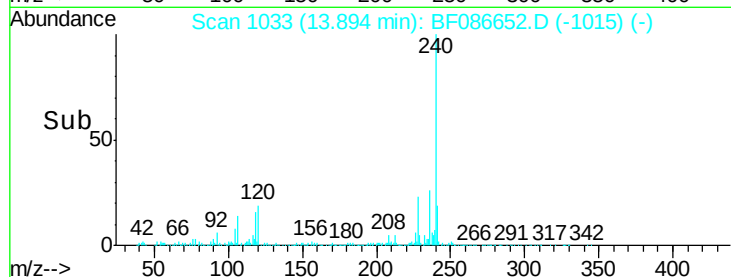
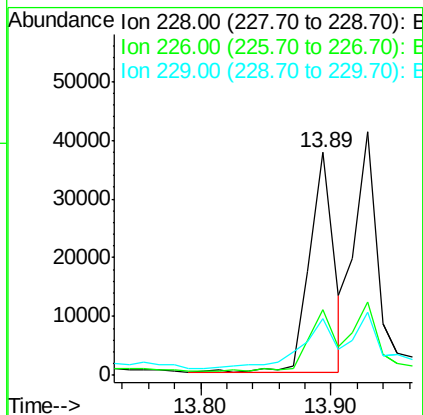
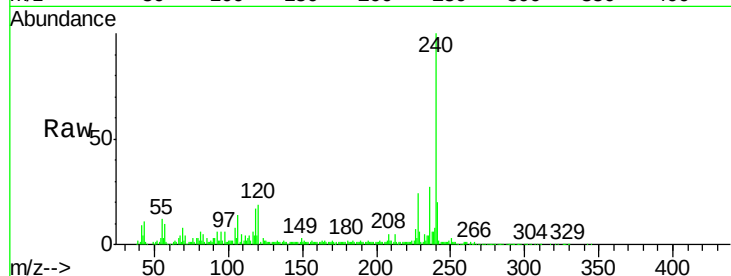
Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:	228	Resp:	47943
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	25.3	15.8	23.8#



#86

Perylene-d12

Concen: 20.00 ng

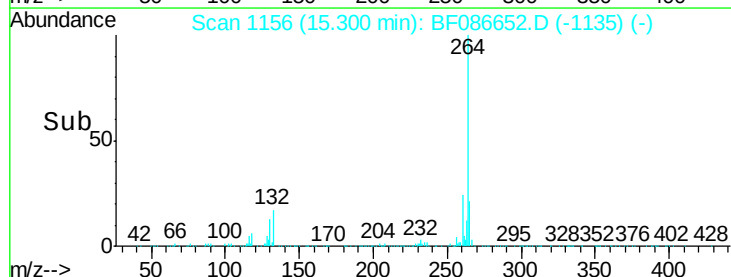
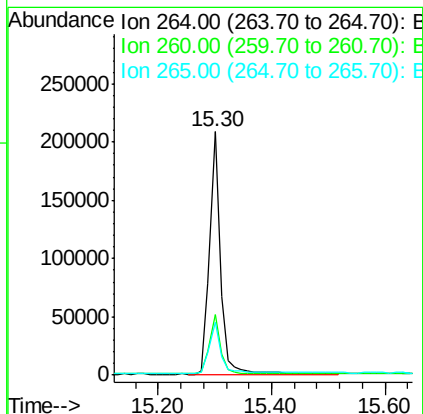
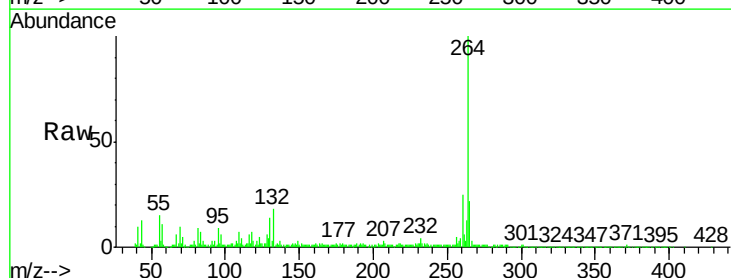
RT: 15.30 min Scan# 1156

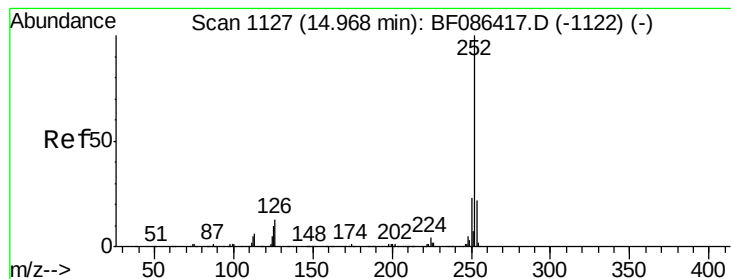
Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Tgt Ion:	264	Resp:	270361
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.0	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.16 ng

RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

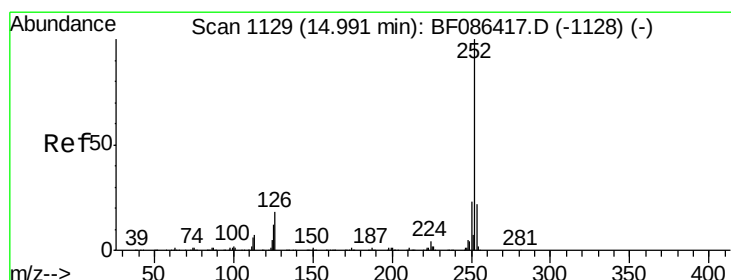
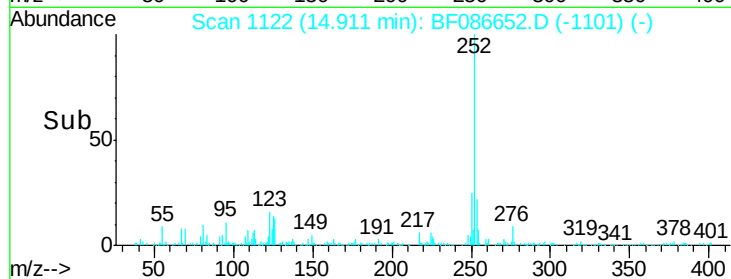
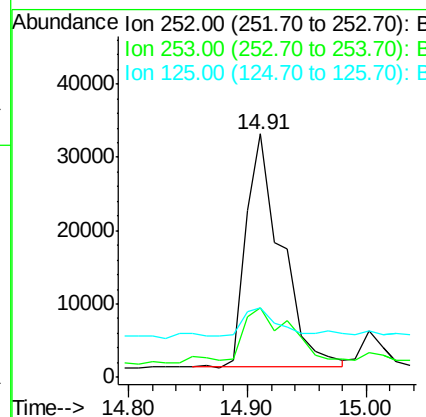
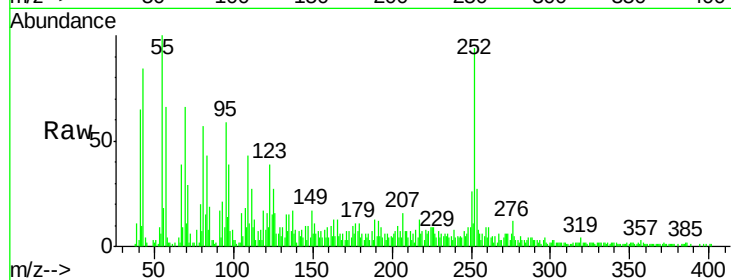
Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:	252	Resp:	66131
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.8	26.6#
125	28.3	11.4	17.0#



#88

Benzo(k)fluoranthene

Concen: 3.99 ng

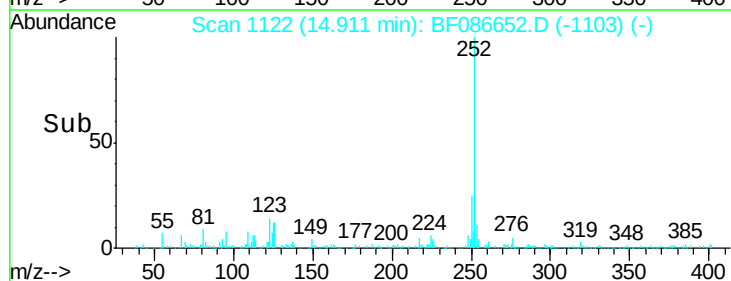
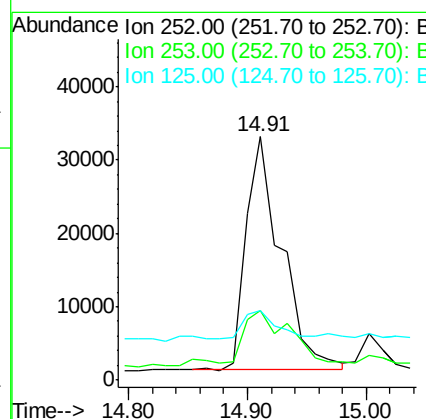
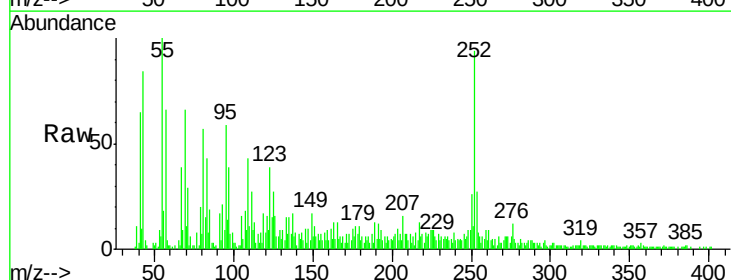
RT: 14.91 min Scan# 1122

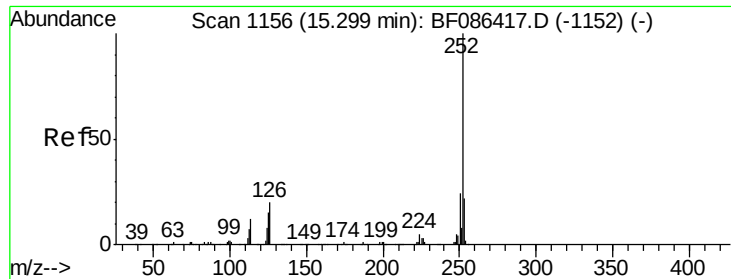
Delta R.T. -0.08 min

Lab File: BF086652.D

Acq: 3 May 2016 18:51

Tgt Ion:	252	Resp:	66131
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.8	26.6#
125	28.3	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 2.00 ng

RT: 15.24 min Scan# 1151

Delta R.T. -0.06 min

Lab File: BF086652.D

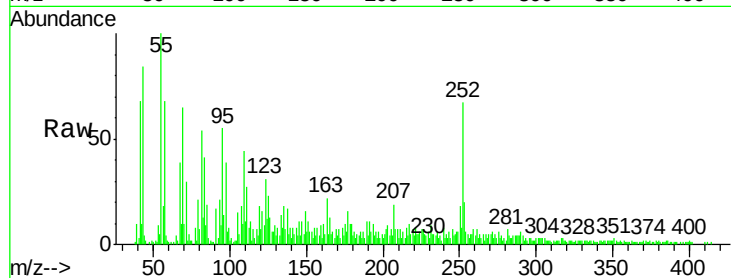
Acq: 3 May 2016 18:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)



Tgt Ion: 252 Resp: 30048

Ion Ratio Lower Upper

252 100

253 29.8 17.2 25.8#

125 34.4 9.0 13.6#

