

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086945.D
 Acq On : 12 May 2016 22:20
 Operator : UM/SJ
 Sample : H2994-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1343-28.39(0-4)

Quant Time: May 13 00:51:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

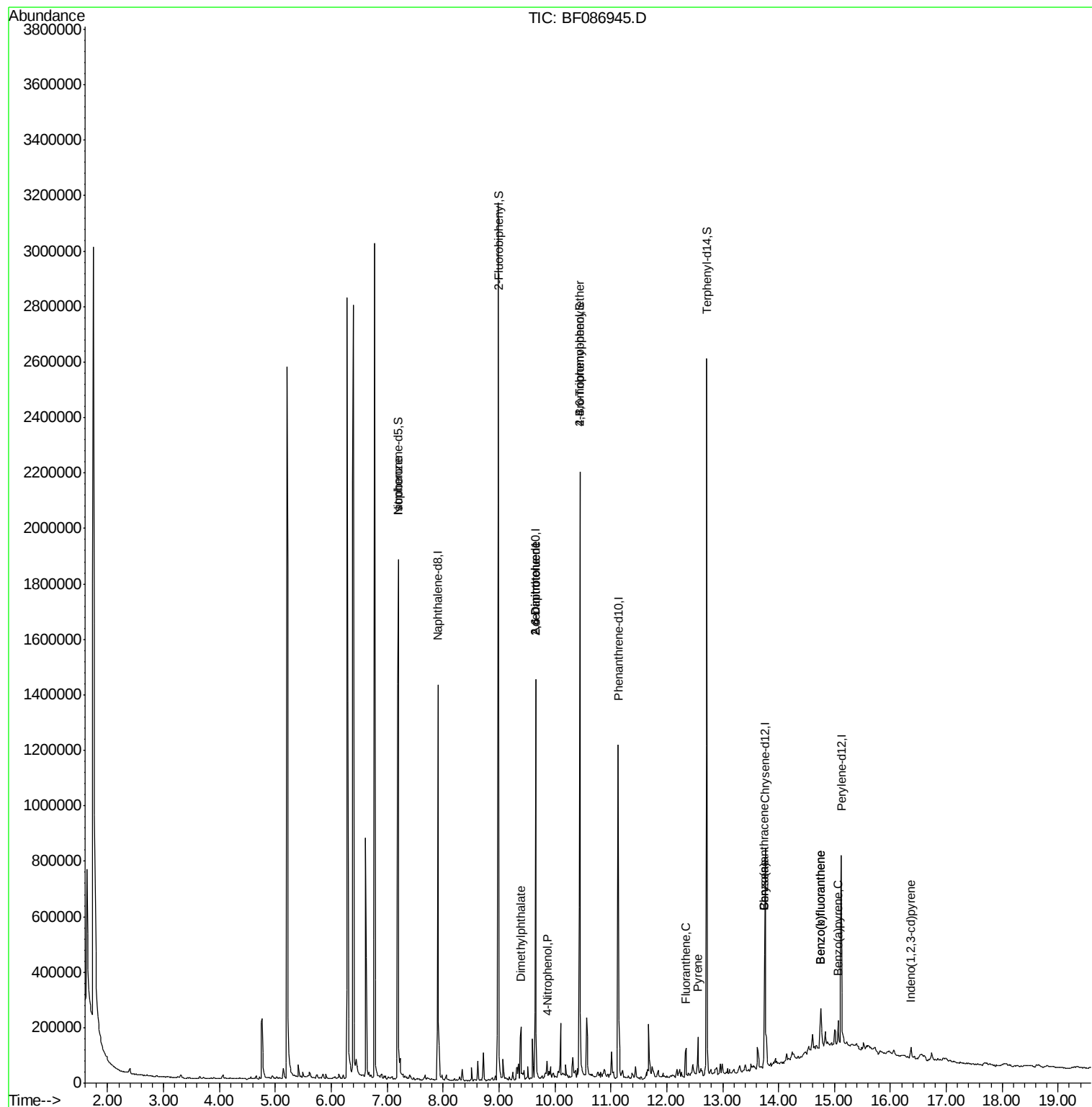
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	560759	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	254810	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	404682	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	276838	20.00	ng	-0.08
86) Perylene-d12	15.12	264	292001	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	849767	0.00	ng	-0.08
7) Phenol-d6	6.28	99	1077224	0.00	ng	-0.08
23) Nitrobenzene-d5	7.20	82	790100	70.75	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	224138	83.09	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	1246461	82.21	ng	-0.07
78) Terphenyl-d14	12.72	244	839210	64.32	ng	-0.08
Target Compounds						
25) Isophorone	7.20	82	763435	36.84	ng	# 68
49) Dimethylphthalate	9.39	163	82268	4.23	ng	97
50) 2,6-Dinitrotoluene	9.66	165	33368	8.16	ng	# 21
55) 4-Nitrophenol	9.86	139	4638	6.08	ng	# 19
56) 2,4-Dinitrotoluene	9.66	165	33700	6.66	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	14372	3.50	ng	# 1
74) Fluoranthene	12.34	202	59895	2.70	ng	92
77) Pyrene	12.56	202	53722	2.53	ng	97
80) Benzo(a)anthracene	13.75	228	51393	3.31	ng	# 93
82) Chrysene	13.75	228	51393	3.25	ng	94
85) Indeno(1,2,3-cd)pyrene	16.37	276	27386	2.08	ng	# 86
87) Benzo(b)fluoranthene	14.75	252	86712	4.57	ng	98
88) Benzo(k)fluoranthene	14.75	252	86712	5.58	ng	98
89) Benzo(a)pyrene	15.06	252	36547	2.23	ng	# 93

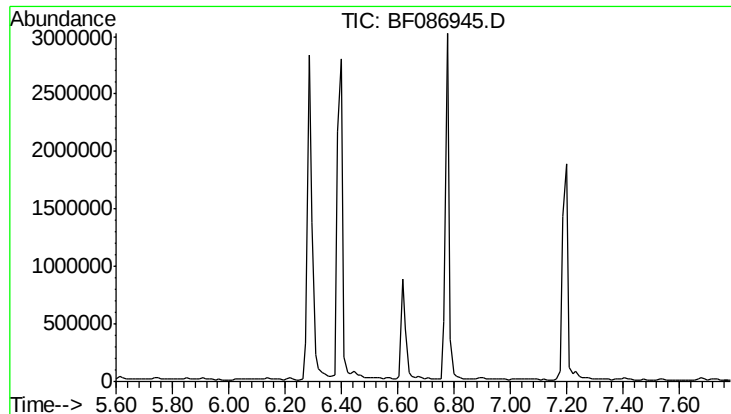
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

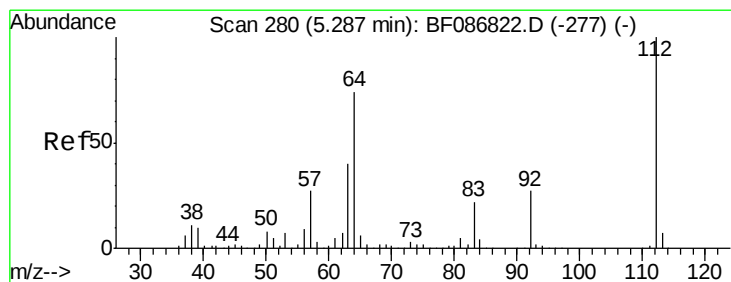
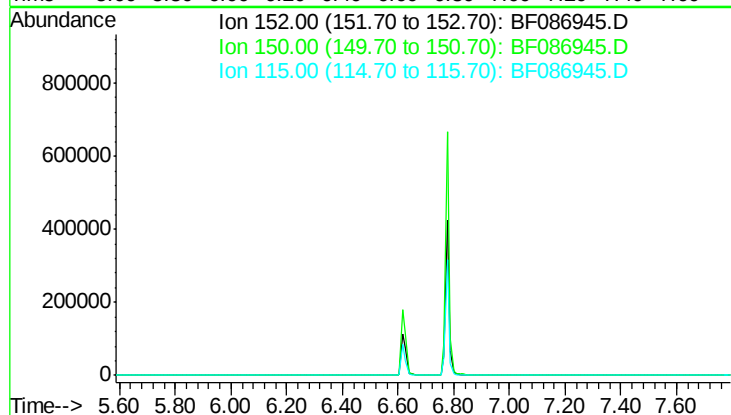
Tgt Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

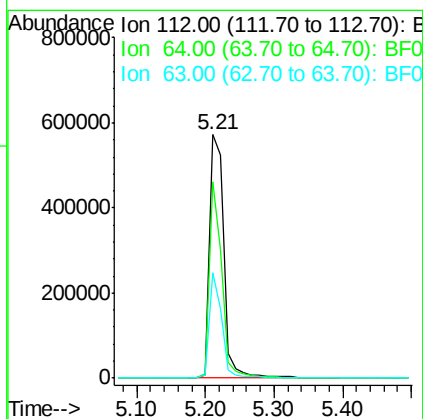
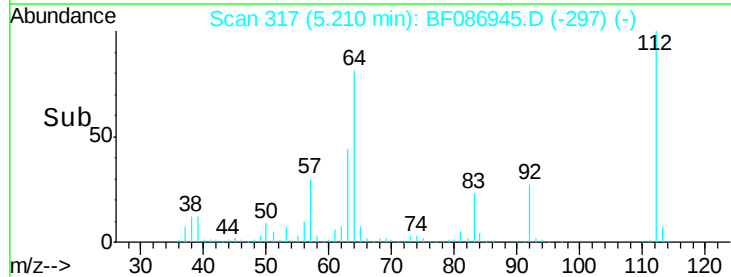
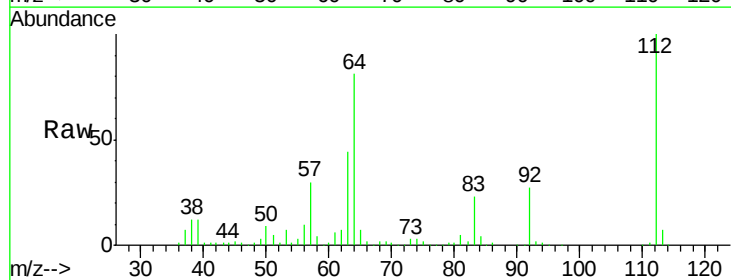
Tgt Ion: 112 Resp: 849767

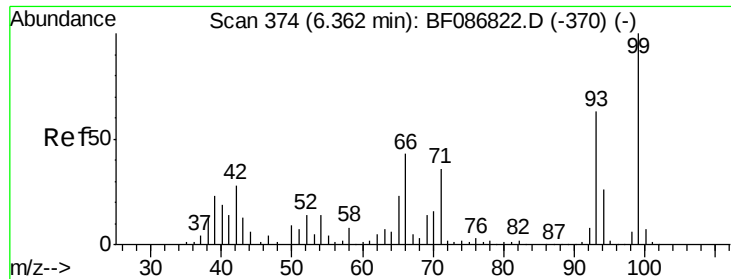
Ion Ratio Lower Upper

112 100

64 80.6 52.1 78.1#

63 43.5 25.7 38.5#





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

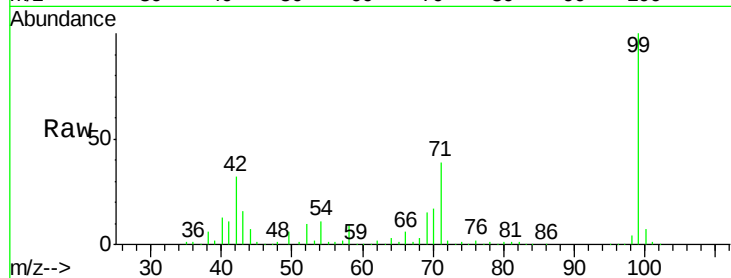
Tgt Ion: 99 Resp: 1077224

Ion Ratio Lower Upper

99 100

42 32.0 13.6 20.4#

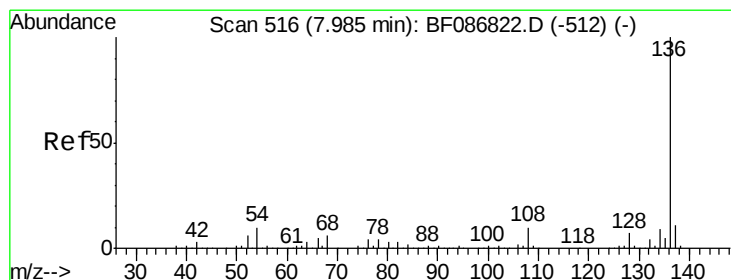
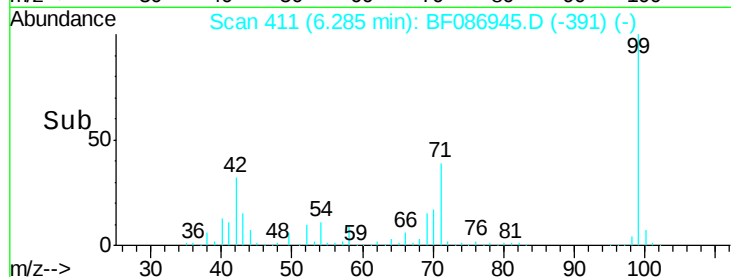
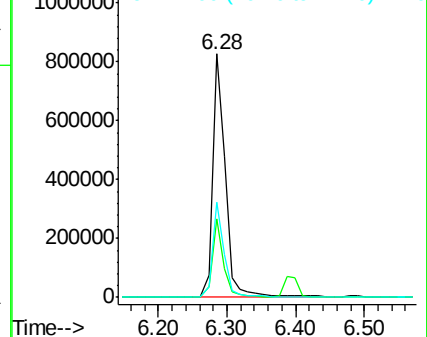
71 39.3 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Tgt Ion: 136 Resp: 560759

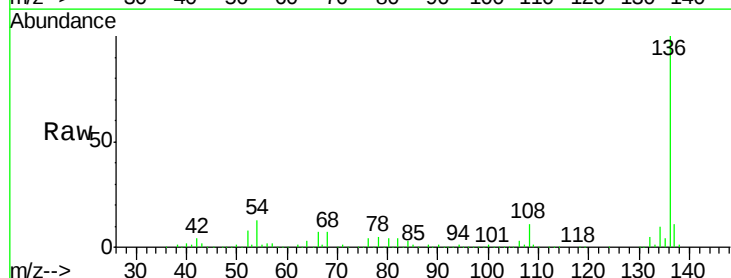
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 13.0 5.0 7.4#

68 7.1 4.4 6.6#

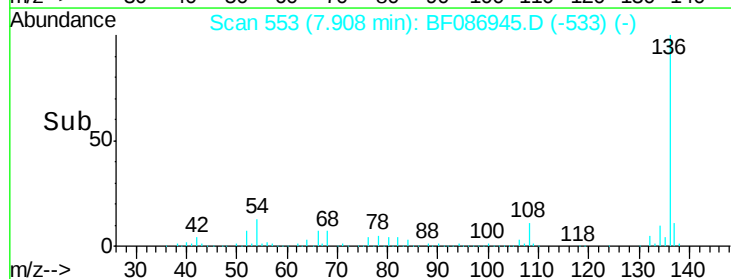
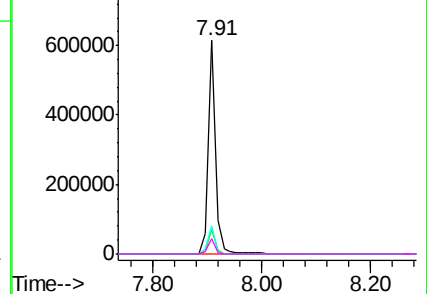


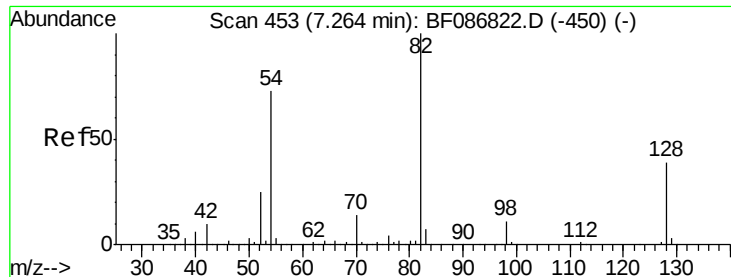
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 70.75 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.07 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

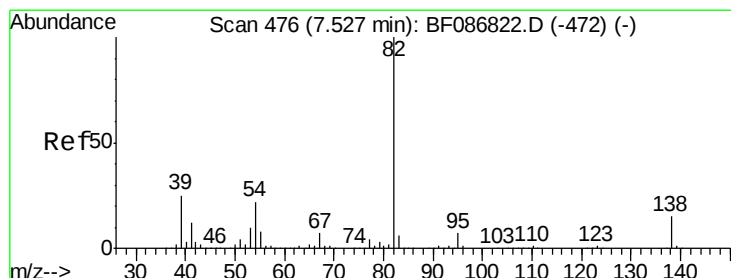
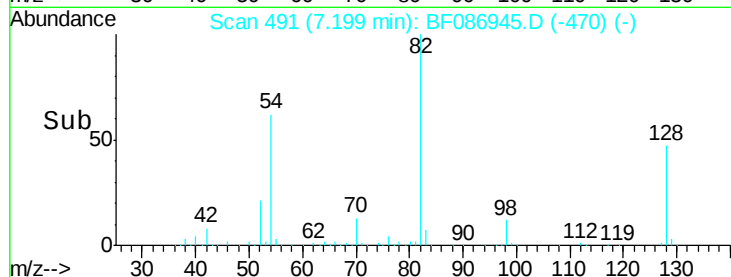
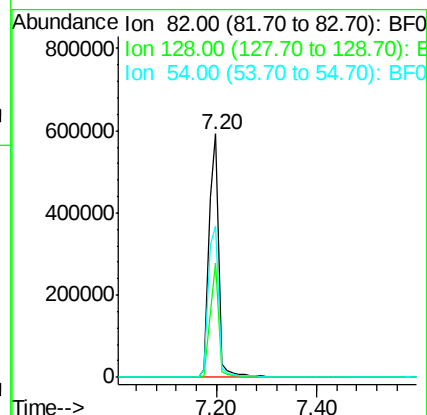
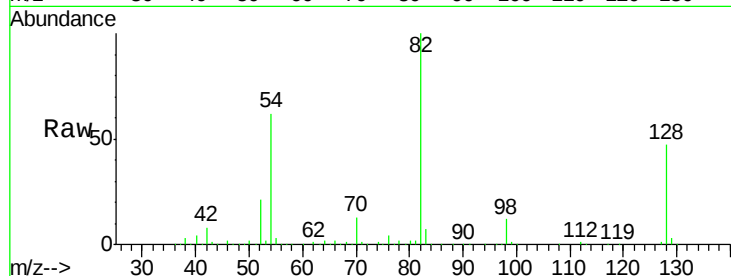
Tgt Ion: 82 Resp: 790100

Ion Ratio Lower Upper

82 100

128 47.0 40.6 61.0

54 62.4 38.1 57.1#



#25

Isophorone

Concen: 36.84 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.33 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

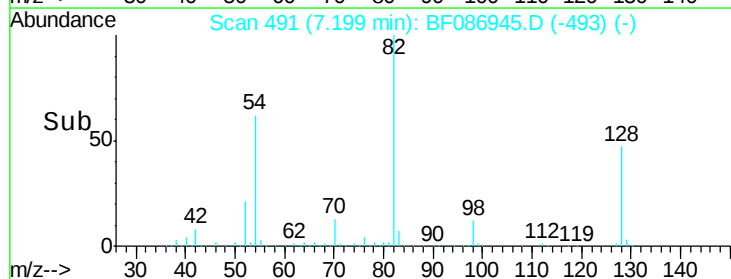
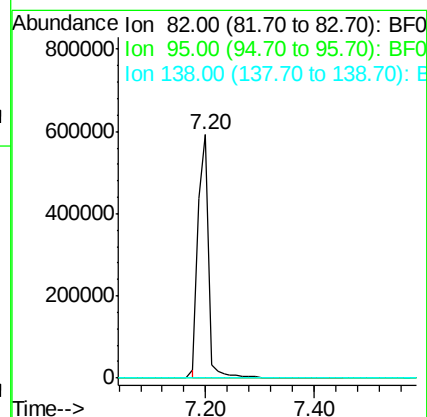
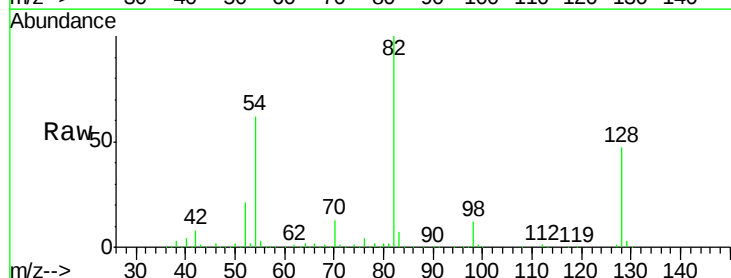
Tgt Ion: 82 Resp: 763435

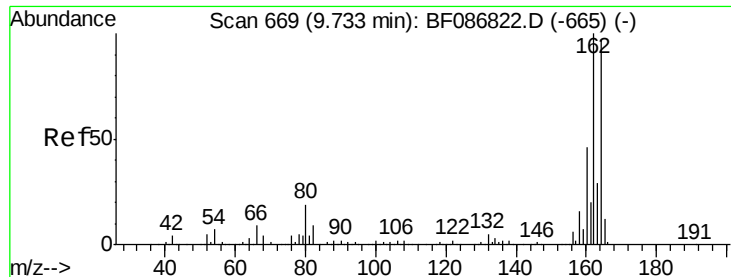
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

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PM-STA-1343-28.39(0-4)

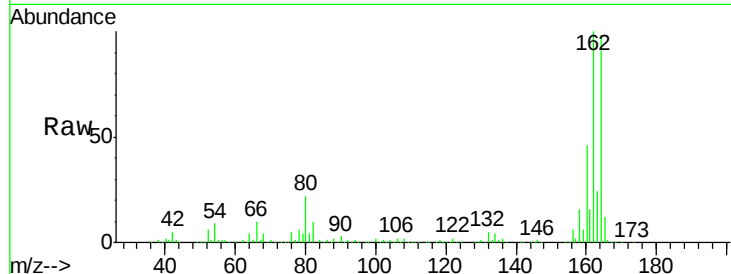
Tgt Ion:164 Resp: 254810

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

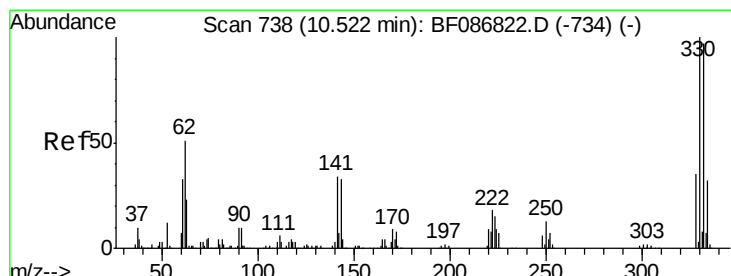
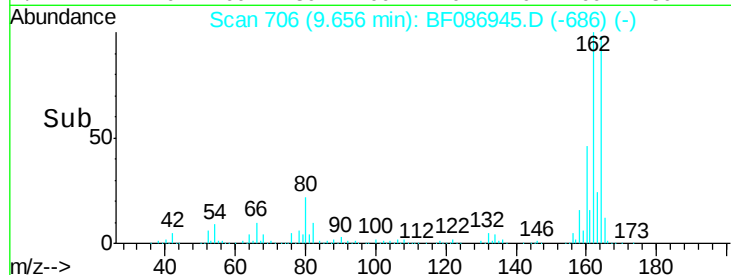
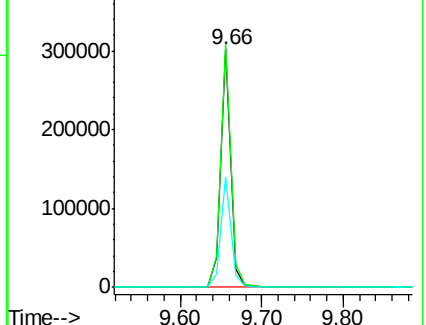
160 46.5 36.9 55.3



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: 83.09 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

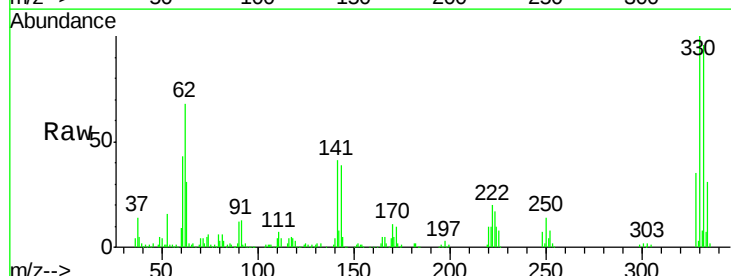
Tgt Ion:330 Resp: 224138

Ion Ratio Lower Upper

330 100

332 95.5 79.0 118.4

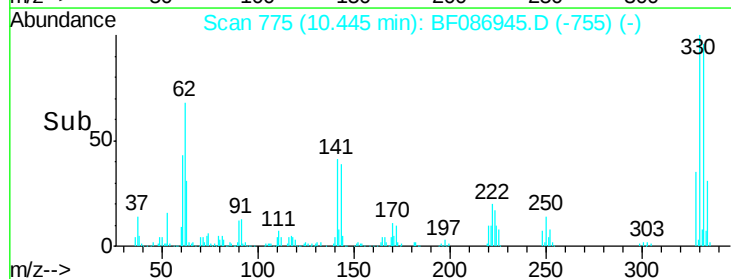
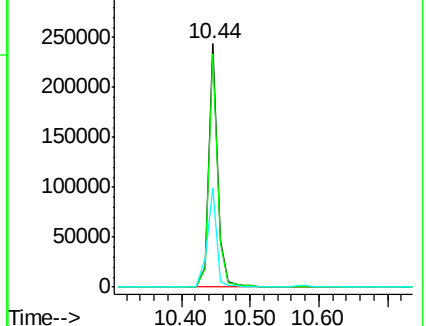
141 43.6 31.2 46.8

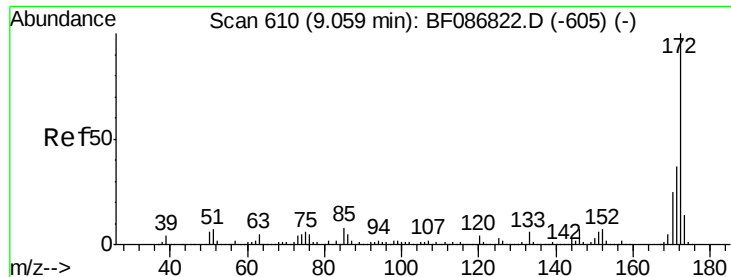


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

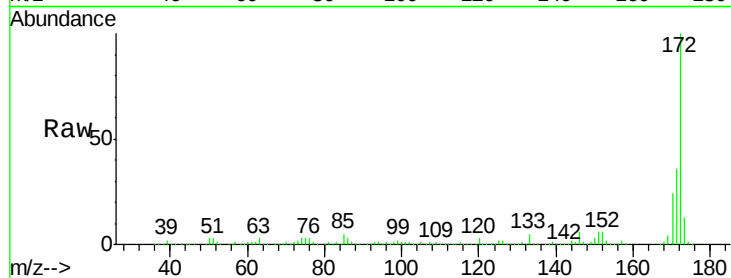




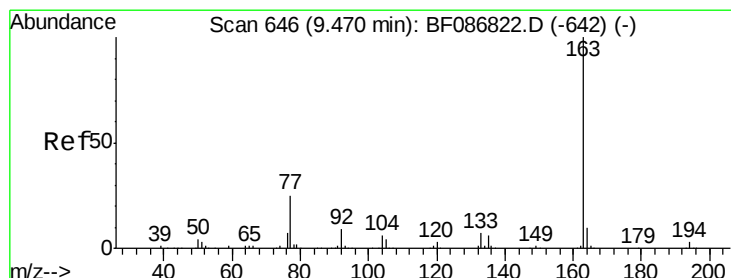
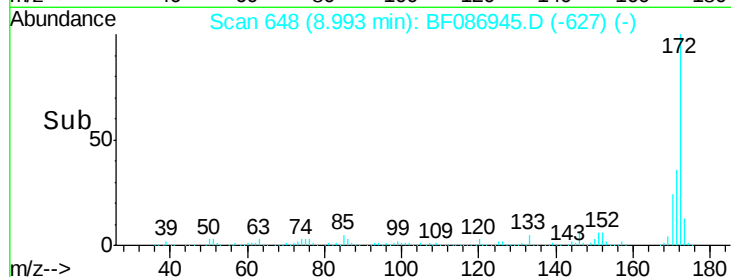
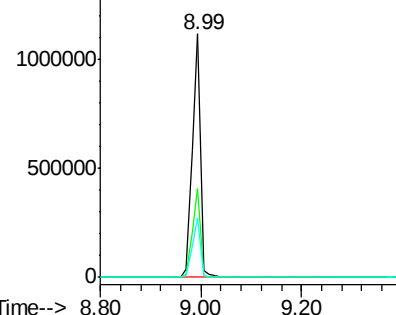
#44
 2-Fluorobiphenyl
 Concen: 82.21 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086945.D
 Acq: 12 May 2016 22:20

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1343-28.39(0-4)

Tgt Ion:172 Resp: 1246461
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.3 19.8 29.8

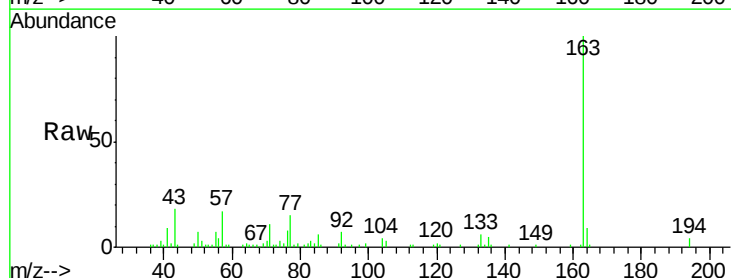


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

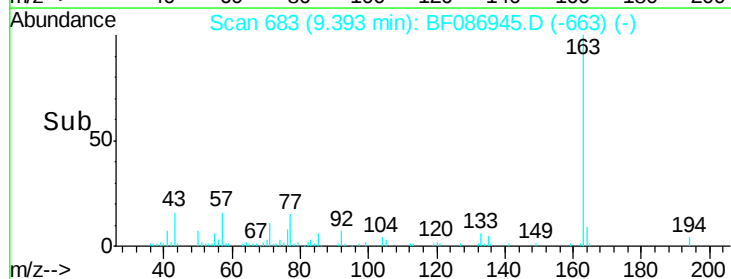
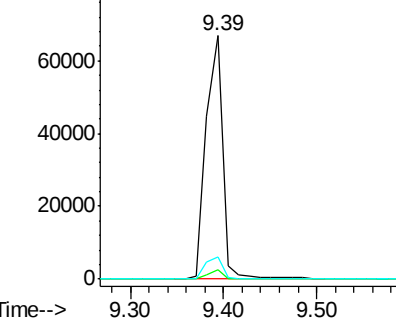


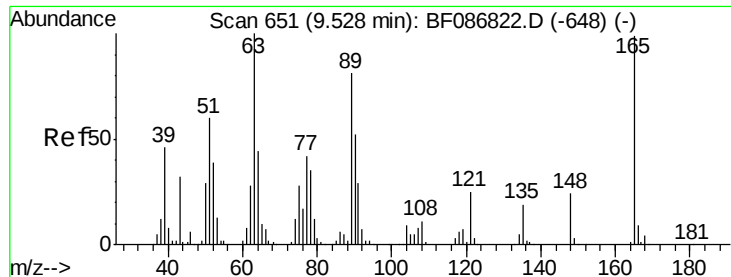
#49
 Dimethylphthalate
 Concen: 4.23 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.08 min
 Lab File: BF086945.D
 Acq: 12 May 2016 22:20

Tgt Ion:163 Resp: 82268
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.6 4.0
 164 9.2 8.2 12.4



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

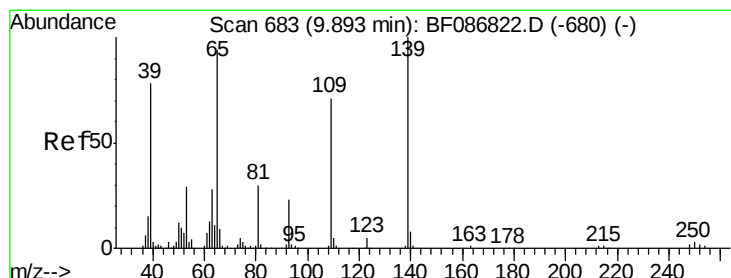
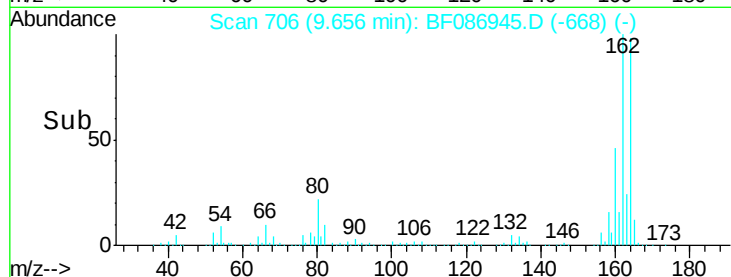
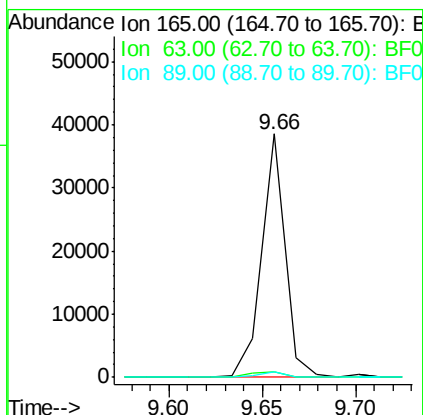
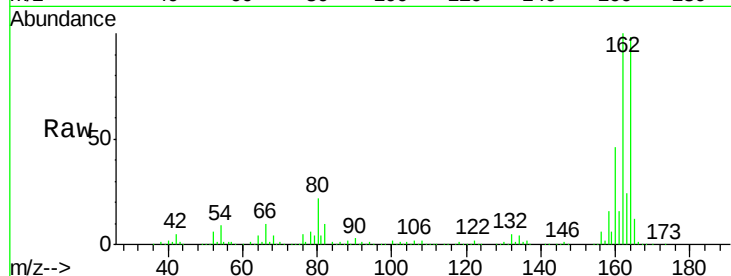




#50
 2,6-Dinitrotoluene
 Concen: 8.16 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.13 min
 Lab File: BF086945.D
 Acq: 12 May 2016 22:20

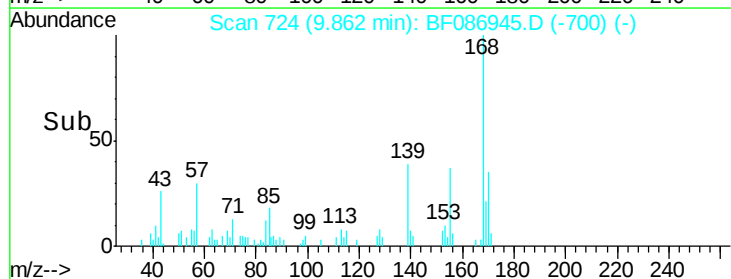
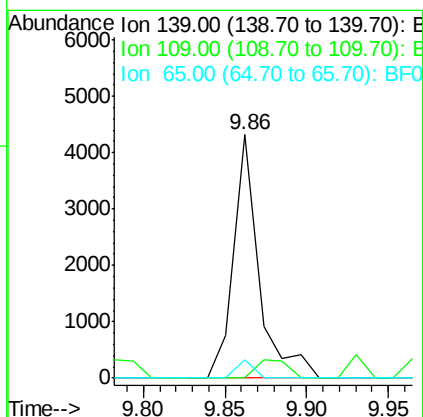
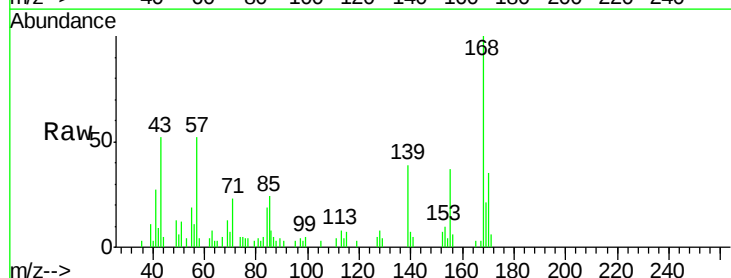
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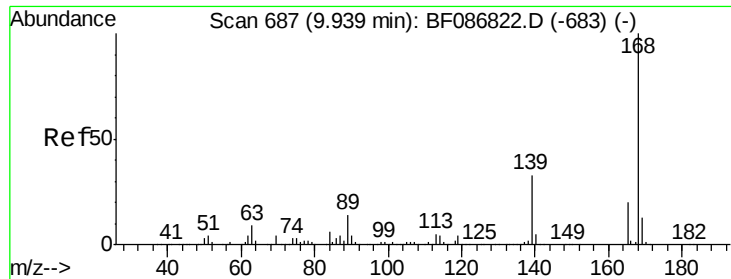
Tgt Ion:165 Resp: 33368
 Ion Ratio Lower Upper
 165 100
 63 2.2 51.8 77.8#
 89 2.1 50.7 76.1#



#55
 4-Nitrophenol
 Concen: 6.08 ng
 RT: 9.86 min Scan# 724
 Delta R.T. -0.03 min
 Lab File: BF086945.D
 Acq: 12 May 2016 22:20

Tgt Ion:139 Resp: 4638
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.9 76.9#
 65 7.7 64.0 104.0#

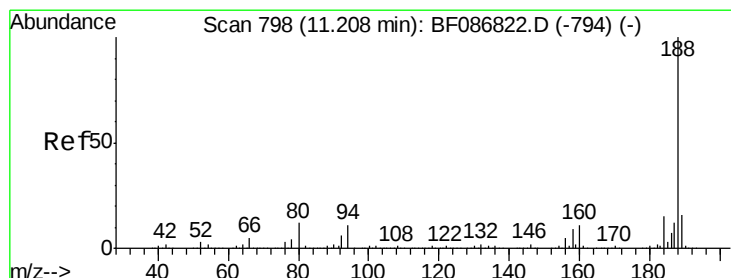
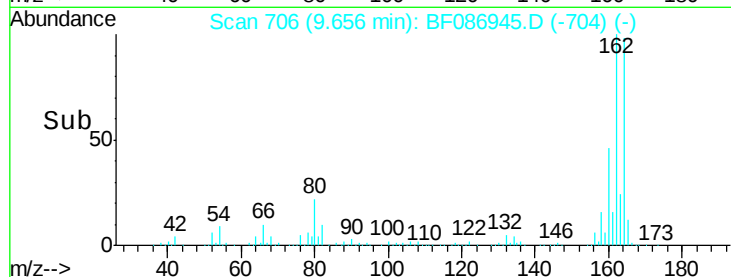
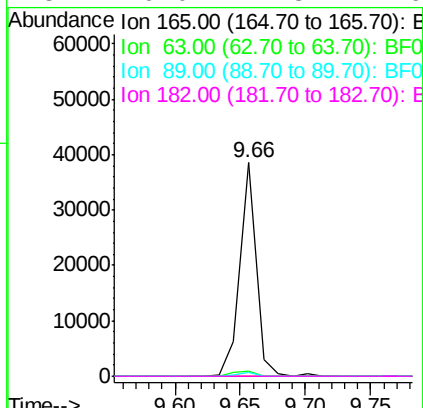
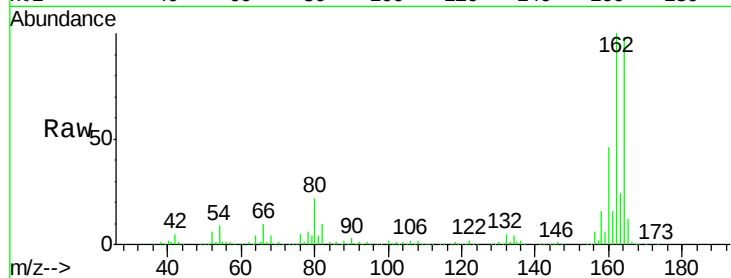




#56
2,4-Dinitrotoluene
Concen: 6.66 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.28 min
Lab File: BF086945.D
Acq: 12 May 2016 22:20

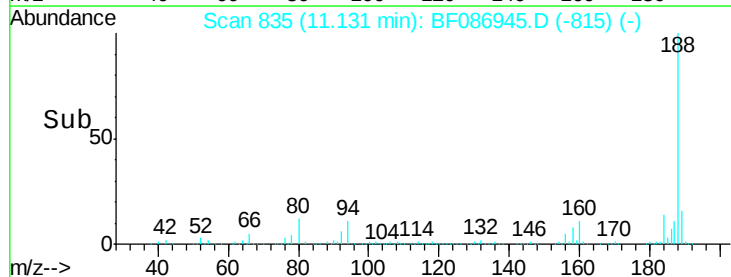
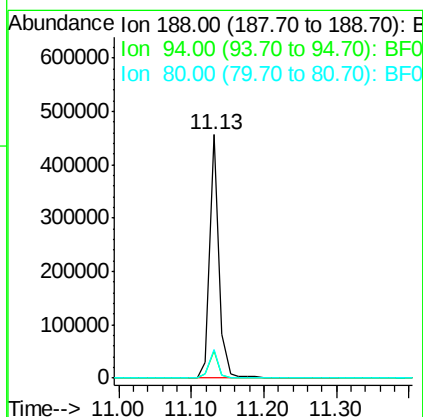
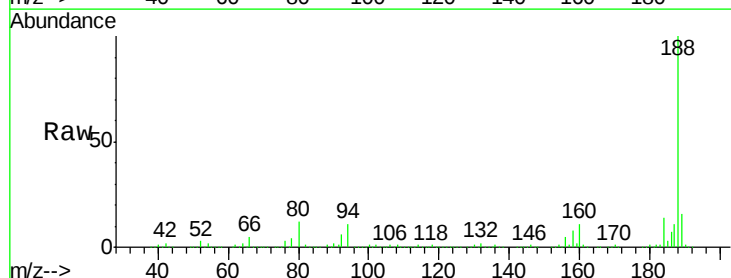
Instrument :
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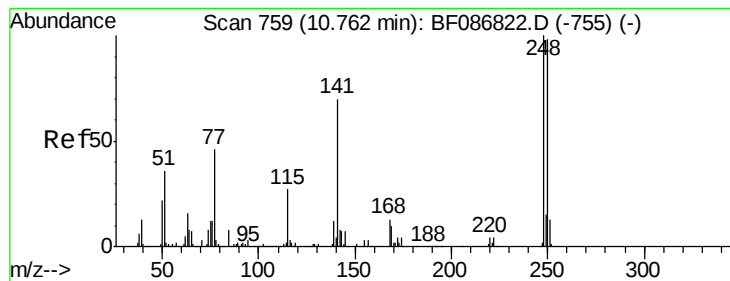
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF086945.D
Acq: 12 May 2016 22:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	6.8	10.2#
80	12.0	7.1	10.7#





#66

4-Bromophenyl-phenylether

Concen: 3.50 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.32 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

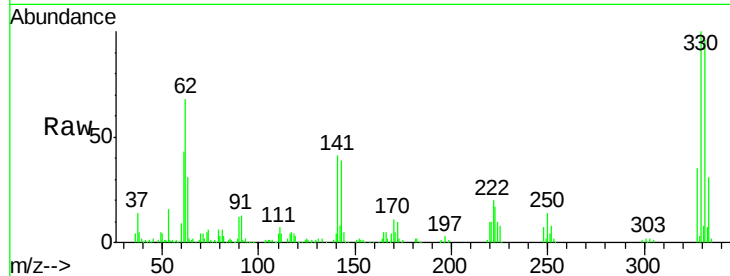
Tgt Ion:248 Resp: 14372

Ion Ratio Lower Upper

248 100

250 204.3 78.6 117.8#

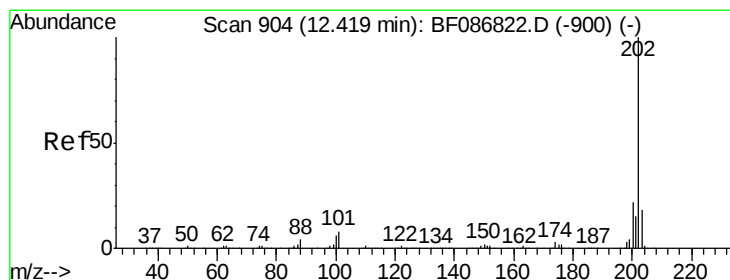
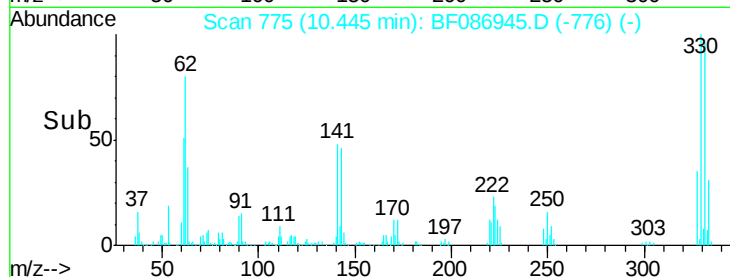
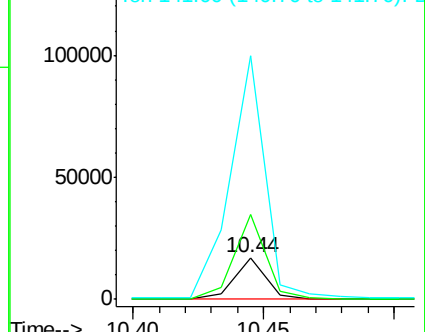
141 587.7 76.0 114.0#



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



#74

Fluoranthene

Concen: 2.70 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

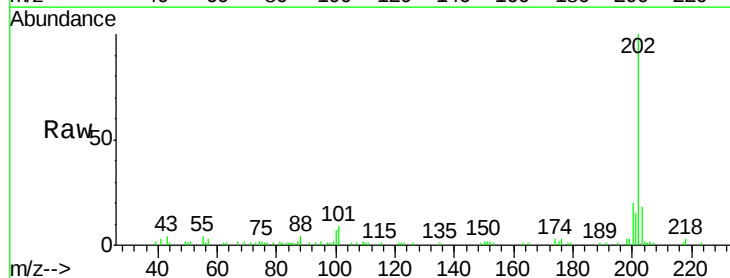
Tgt Ion:202 Resp: 59895

Ion Ratio Lower Upper

202 100

101 8.9 0.0 35.4

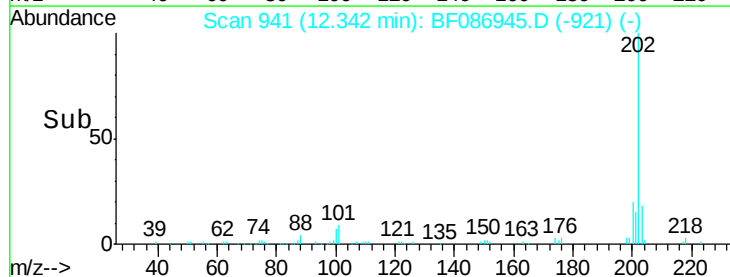
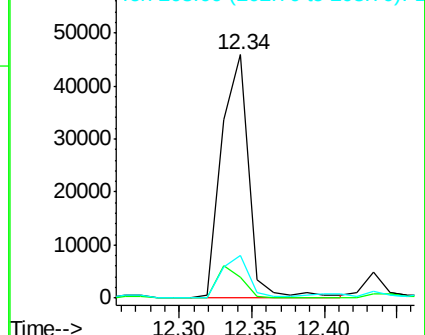
203 17.7 0.0 38.1

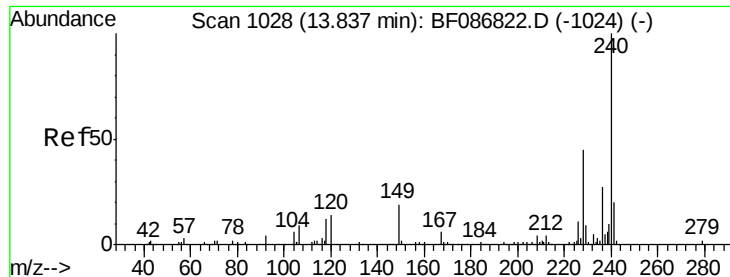


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

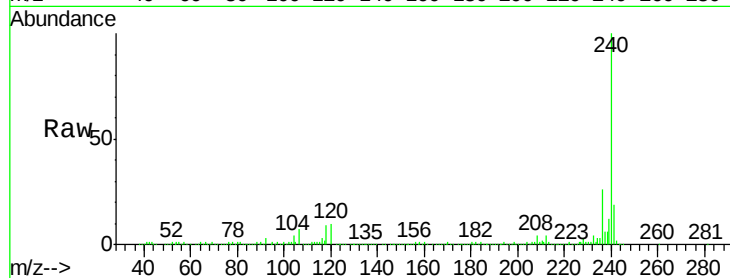
Tgt Ion:240 Resp: 276838

Ion Ratio Lower Upper

240 100

120 9.9 11.2 16.8#

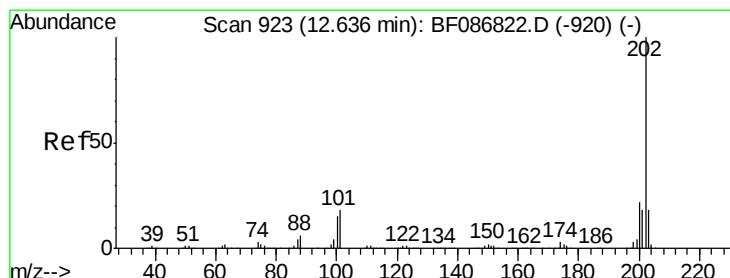
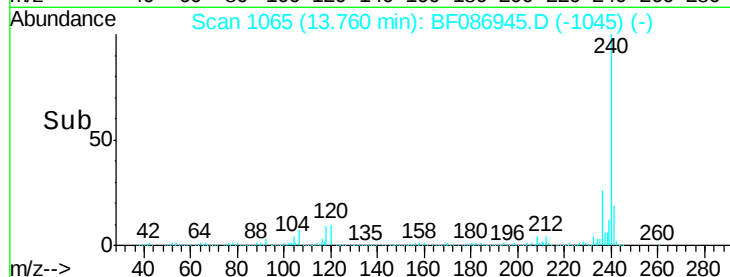
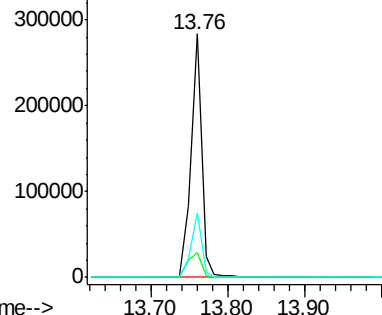
236 26.4 21.2 31.8



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: 2.53 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

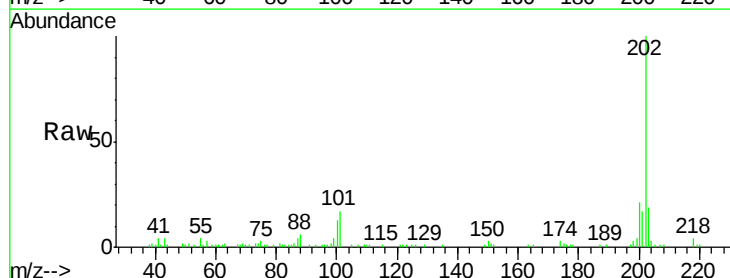
Tgt Ion:202 Resp: 53722

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

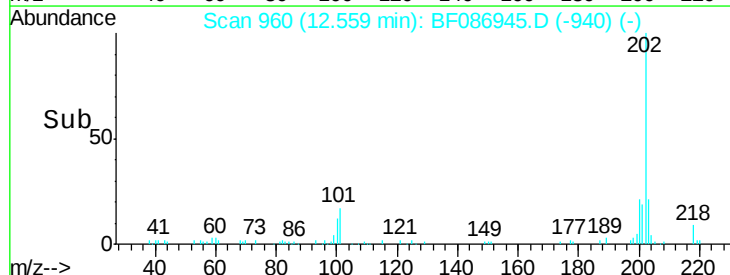
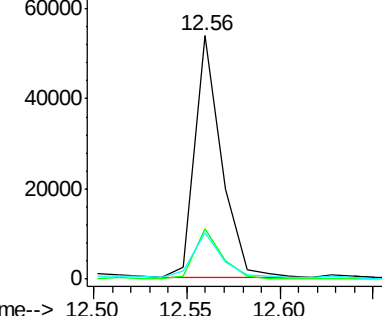
203 18.8 14.2 21.4

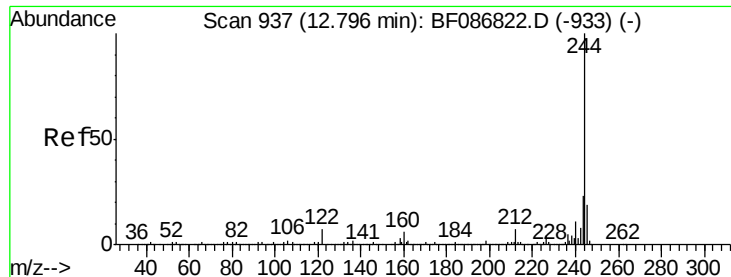


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.32 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

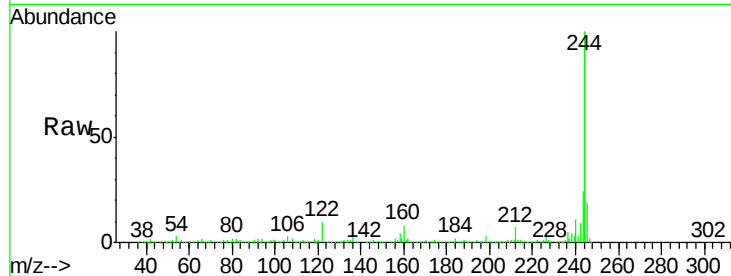
Tgt Ion:244 Resp: 839210

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

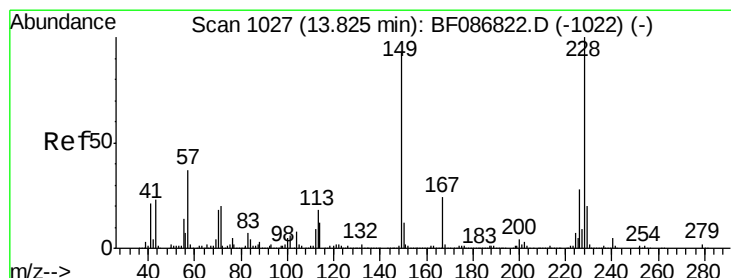
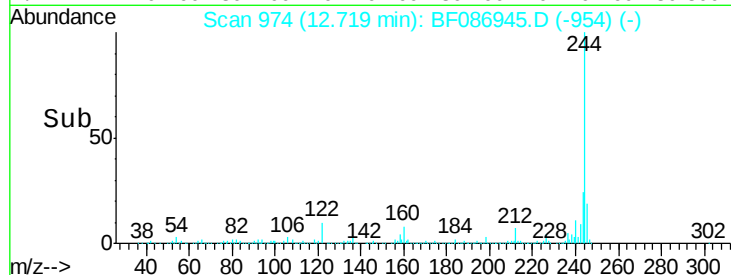
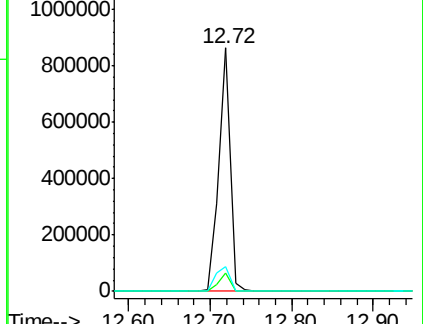
122 10.0 12.0 18.0#



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: 3.31 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.08 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

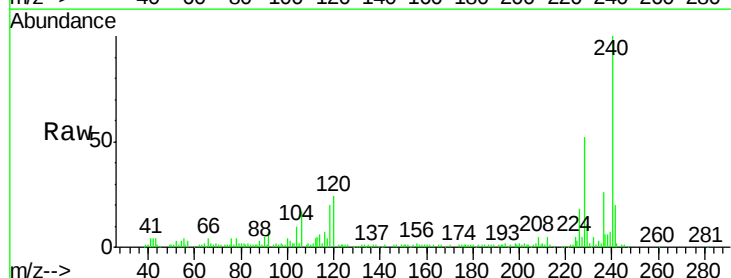
Tgt Ion:228 Resp: 51393

Ion Ratio Lower Upper

228 100

226 34.3 22.5 33.7#

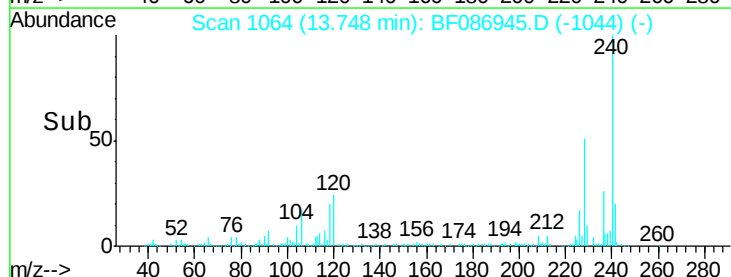
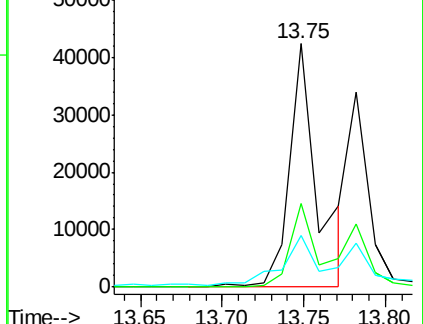
229 21.3 16.6 25.0

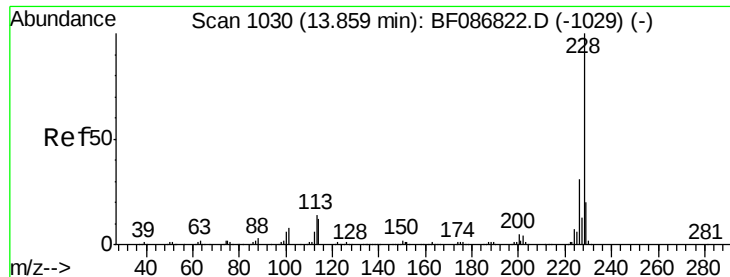


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.25 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.11 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

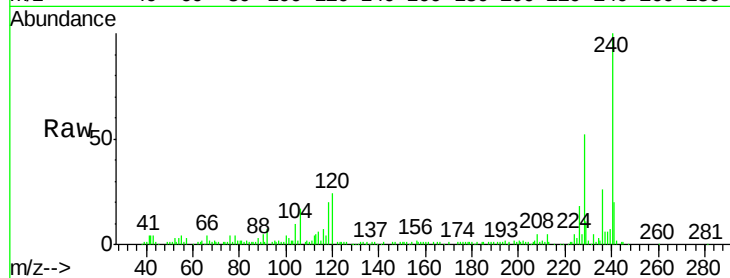
Tgt Ion:228 Resp: 51393

Ion Ratio Lower Upper

228 100

226 34.3 24.4 36.6

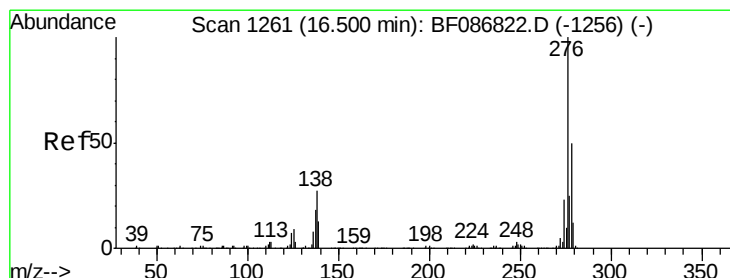
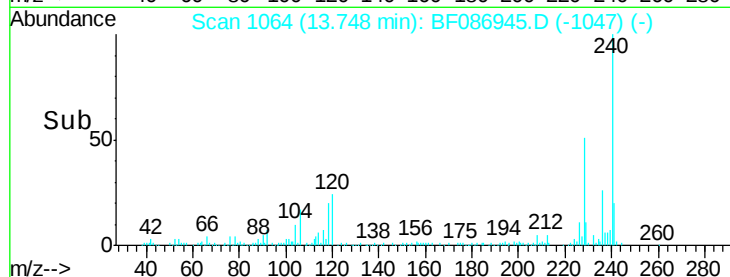
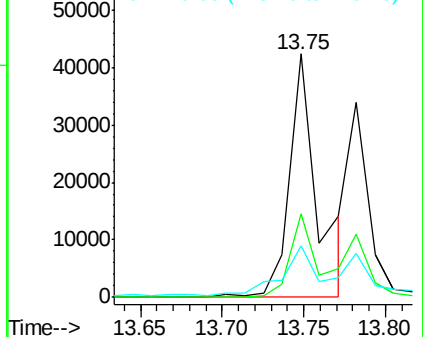
229 21.3 15.8 23.8



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: 2.08 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.13 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

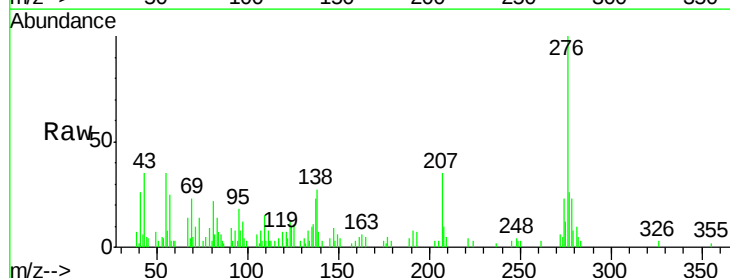
Tgt Ion:276 Resp: 27386

Ion Ratio Lower Upper

276 100

138 18.8 25.6 38.4#

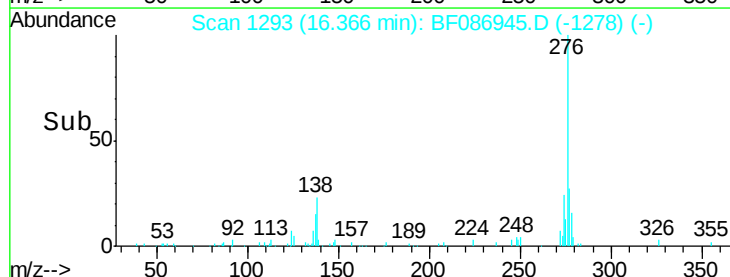
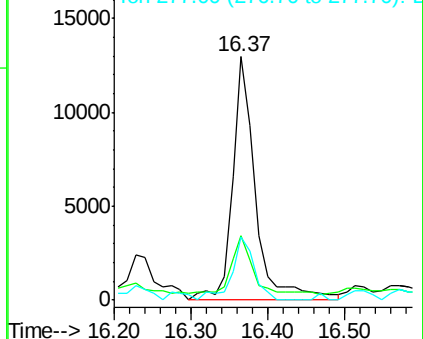
277 24.8 20.5 30.7

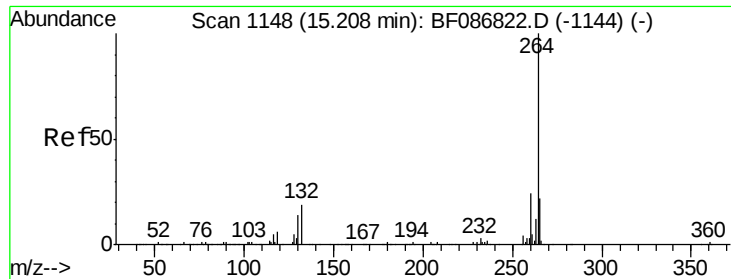


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

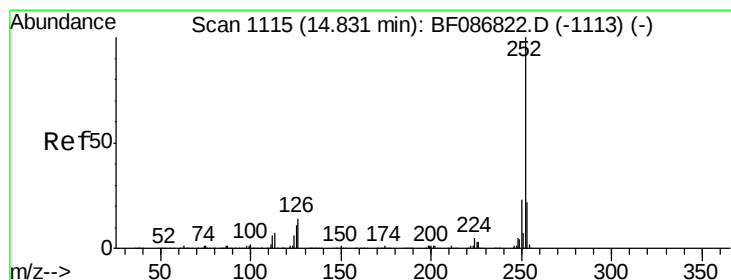
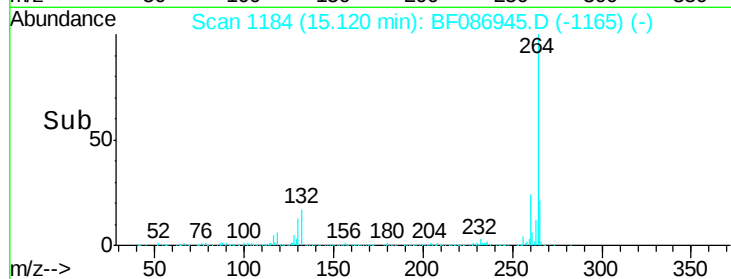
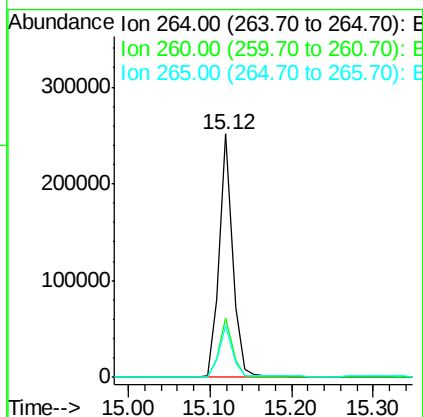
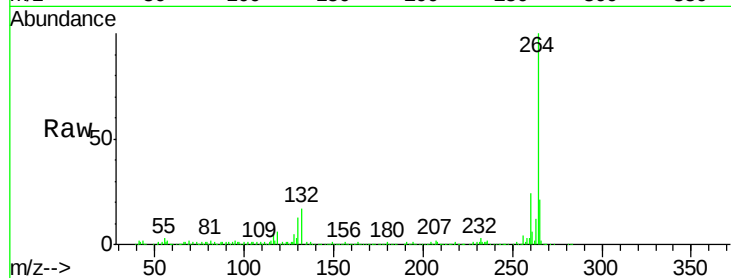




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF086945.D
Acq: 12 May 2016 22:20

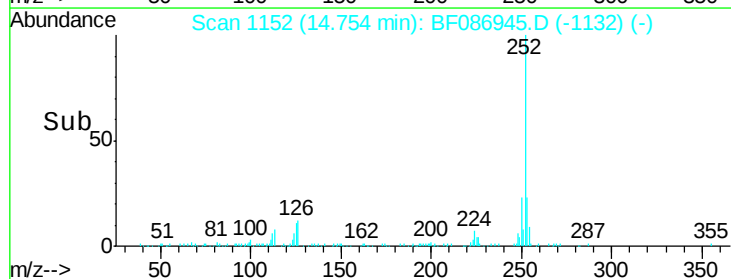
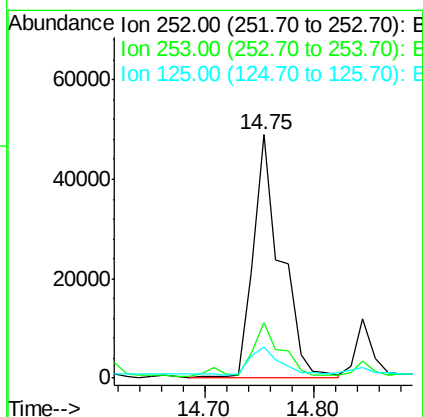
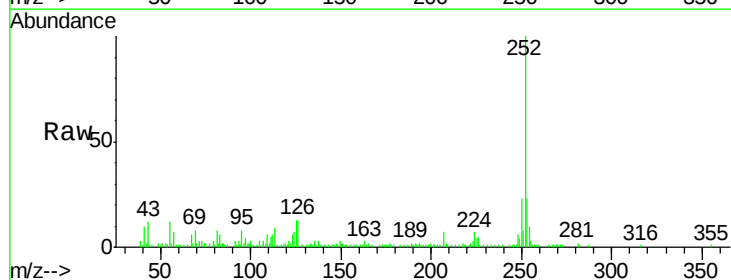
Instrument :
BNA_F
ClientSampleId :
PM-STA-1343-28.39(0-4)

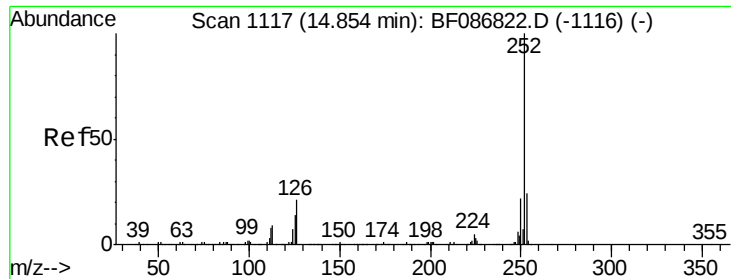
Tgt Ion: 264 Resp: 292001
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.4 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.57 ng
RT: 14.75 min Scan# 1152
Delta R.T. -0.08 min
Lab File: BF086945.D
Acq: 12 May 2016 22:20

Tgt Ion: 252 Resp: 86712
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.6 11.4 17.0





#88

Benzo(k)fluoranthene

Concen: 5.58 ng

RT: 14.75 min Scan# 1152

Delta R.T. -0.10 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

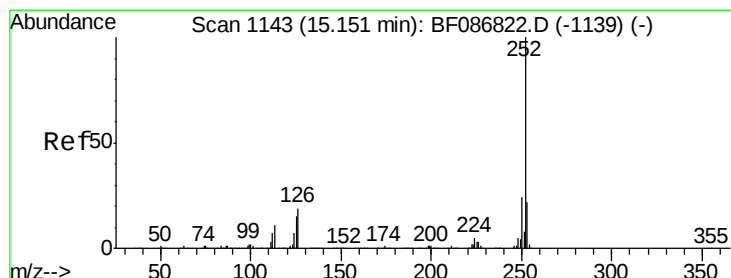
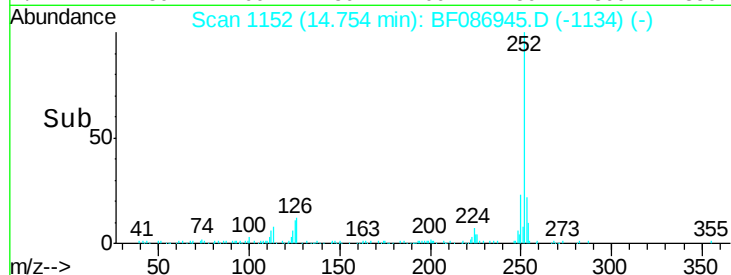
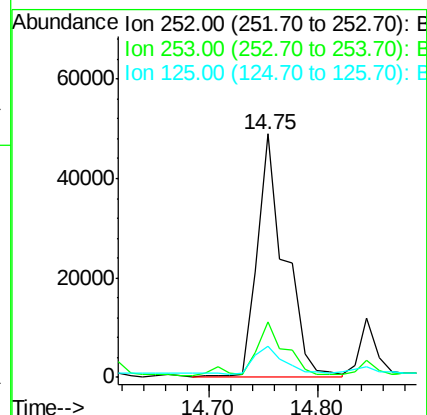
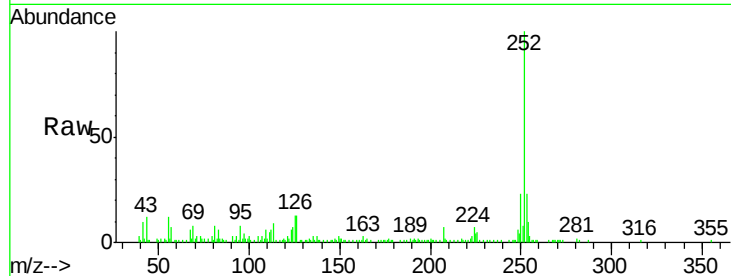
Instrument :

BNA_F

ClientSampleId :

PM-STA-1343-28.39(0-4)

Tgt Ion:	252	Resp:	86712
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.6
125	12.6	9.1	13.7



#89

Benzo(a)pyrene

Concen: 2.23 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.09 min

Lab File: BF086945.D

Acq: 12 May 2016 22:20

Tgt Ion:	252	Resp:	36547
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	15.9	9.0	13.6#

