

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081916.D
 Acq On : 30 Sep 2015 22:20
 Operator : UM/IZ
 Sample : G3668-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-04(WEST)

Quant Time: Oct 01 03:53:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	110457	20.00	ng	-0.03
21) Naphthalene-d8	8.19	136	418335	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	207396	20.00	ng	-0.03
63) Phenanthrene-d10	11.43	188	385641	20.00	ng	-0.03
75) Chrysene-d12	14.07	240	296340	20.00	ng	-0.05
86) Perylene-d12	15.52	264	240570	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	556398	91.44	ng	-0.02
7) Phenol-d6	6.53	99	718354	93.82	ng	-0.03
23) Nitrobenzene-d5	7.47	82	482847	76.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	193276	92.02	ng	-0.03
44) 2-Fluorobiphenyl	9.27	172	876166	67.99	ng	-0.03
78) Terphenyl-d14	13.02	244	760848	82.16	ng	-0.03

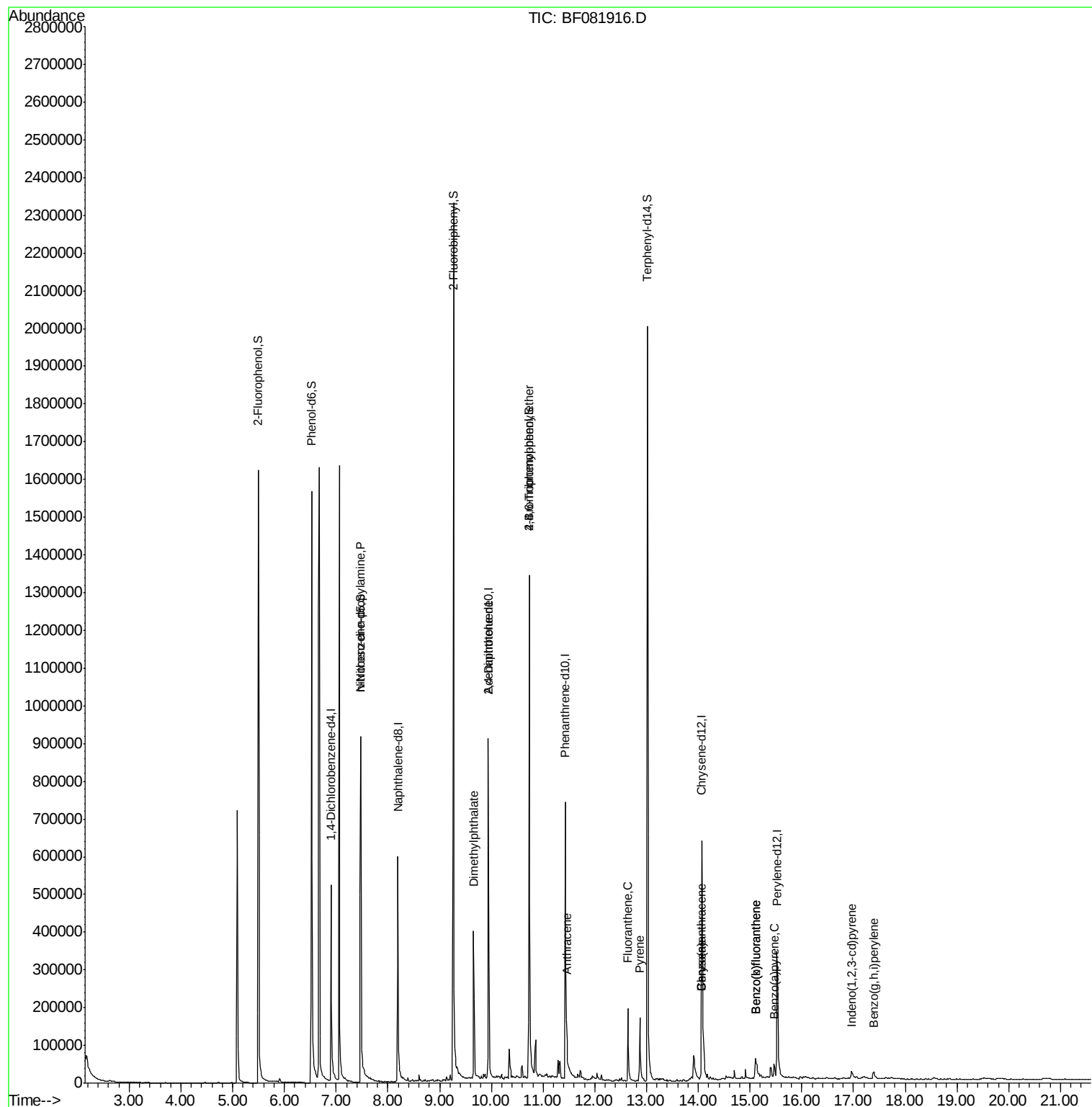
Target Compounds						Qvalue	
19) n-Nitroso-di-n-propylamine	7.47	70	56668	12.18	ng	#	56
49) Dimethylphthalate	9.66	163	207118	14.47	ng	#	98
56) 2,4-Dinitrotoluene	9.94	165	26021	6.57	ng	#	34
57) Fluorene	10.49	166	1517	Below Cal		#	81
66) 4-Bromophenyl-phenylether	10.73	248	12303	3.16	ng	#	1
71) Anthracene	11.45	178	48238	2.46	ng		97
73) Di-n-butylphthalate	11.99	149	2149	Below Cal		#	78
74) Fluoranthene	12.64	202	120229	5.82	ng		94
77) Pyrene	12.87	202	99132	5.60	ng		96
80) Benzo(a)anthracene	14.06	228	44235	2.77	ng		95
82) Chrysene	14.06	228	44235	2.98	ng		97
85) Indeno(1,2,3-cd)pyrene	16.96	276	26317	2.11	ng	#	83
87) Benzo(b)fluoranthene	15.11	252	65945	4.80	ng	#	87
88) Benzo(k)fluoranthene	15.11	252	65945	5.24	ng	#	88
89) Benzo(a)pyrene	15.46	252	32224	2.70	ng	#	88
91) Benzo(g,h,i)perylene	17.40	276	25005	2.44	ng	#	74

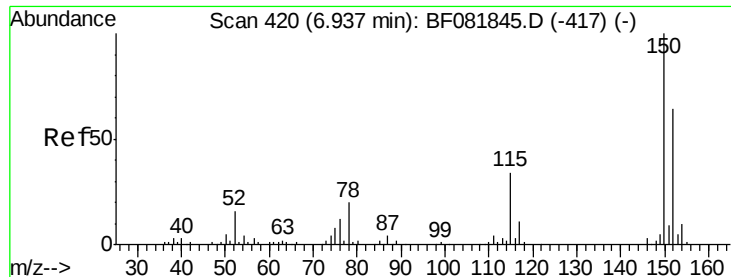
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SS-04(WEST)

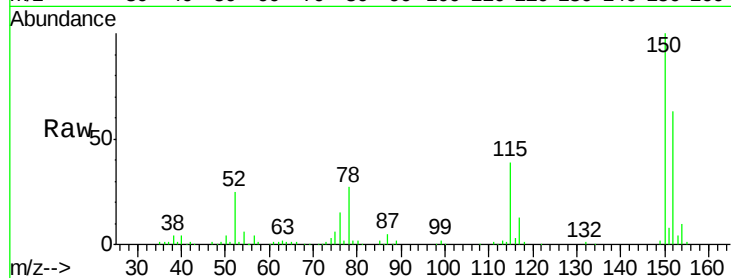
Tgt Ion:152 Resp: 110457

Ion Ratio Lower Upper

152 100

150 159.7 124.7 187.1

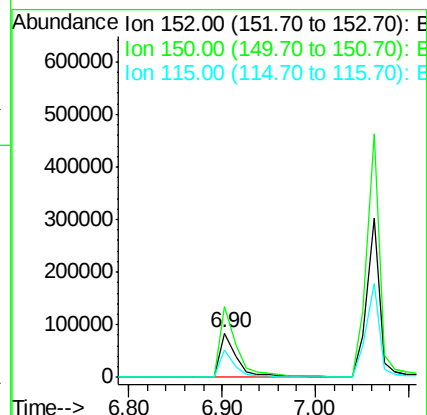
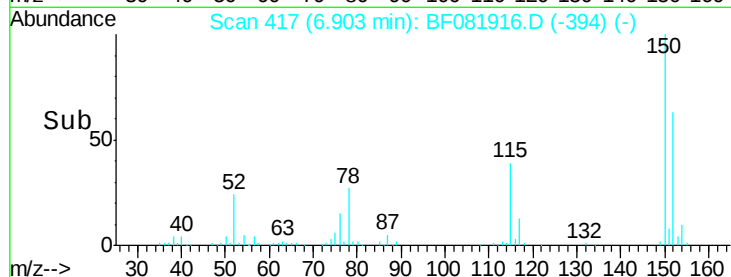
115 61.9 39.0 58.4#



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: 91.44 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

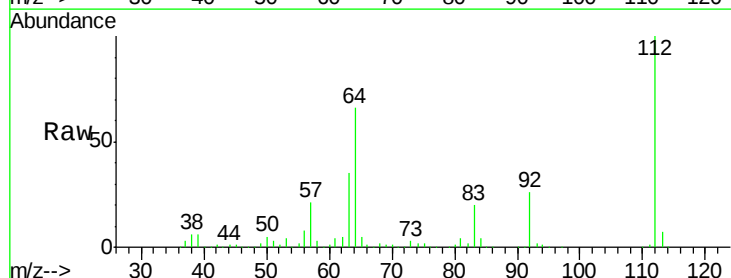
Tgt Ion:112 Resp: 556398

Ion Ratio Lower Upper

112 100

64 66.1 39.7 59.5#

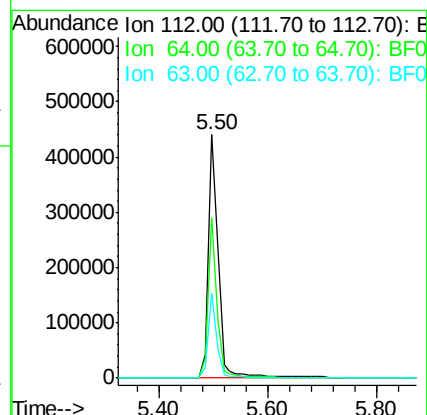
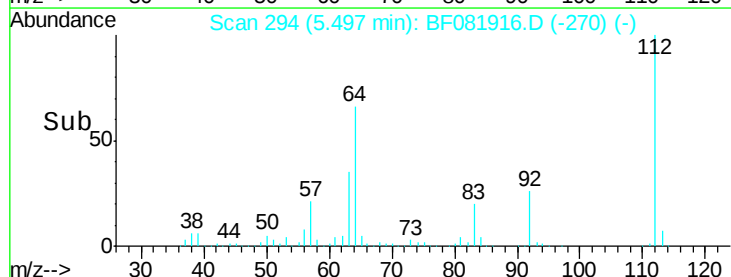
63 34.7 17.4 26.0#

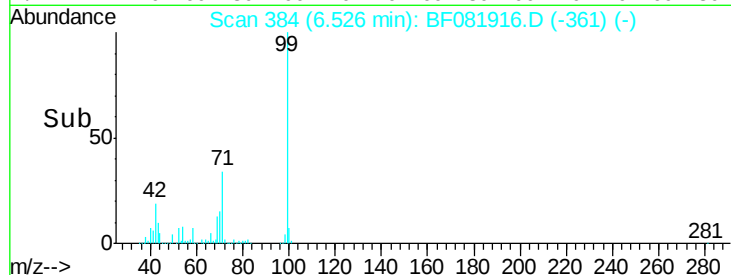
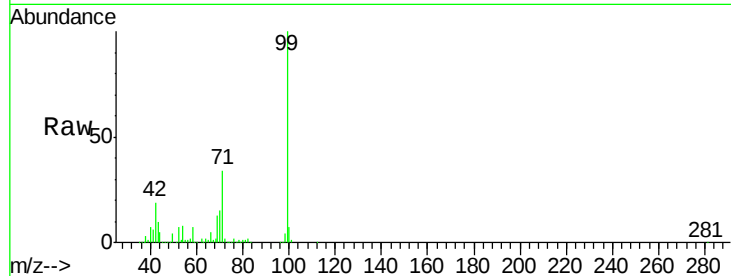
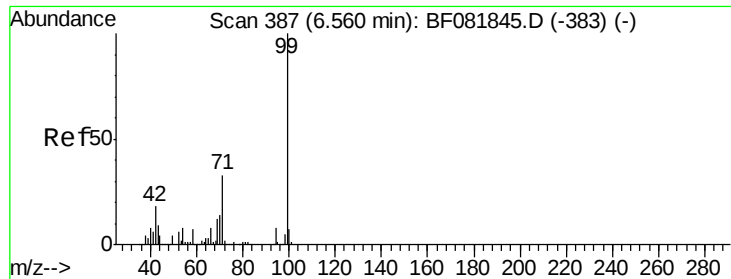


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.82 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SS-04(WEST)

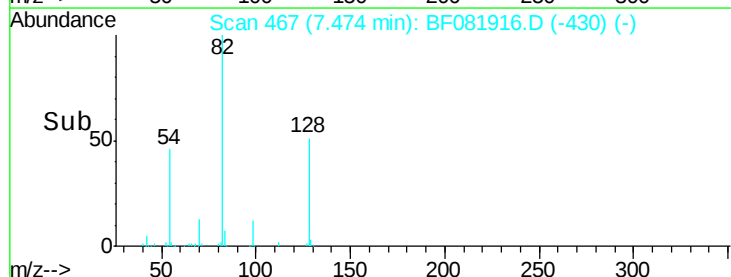
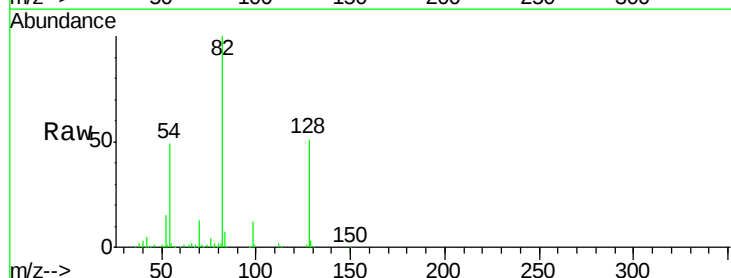
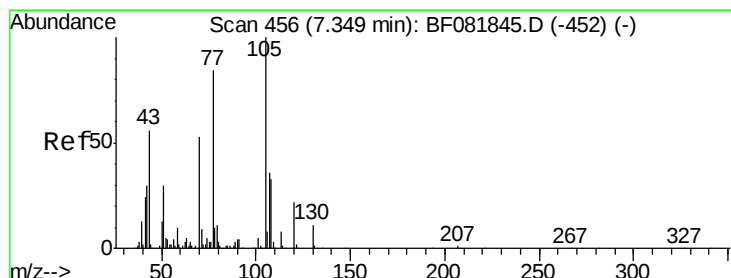
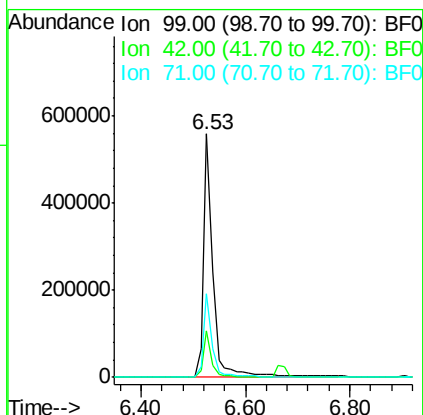
Tgt Ion: 99 Resp: 718354

Ion Ratio Lower Upper

99 100

42 19.2 13.7 20.5

71 34.3 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.18 ng

RT: 7.47 min Scan# 467

Delta R.T. 0.13 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

Tgt Ion: 70 Resp: 56668

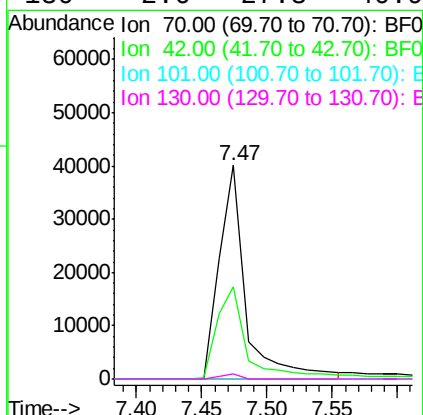
Ion Ratio Lower Upper

70 100

42 43.4 63.8 95.6#

101 0.0 9.2 13.8#

130 2.6 27.3 40.9#

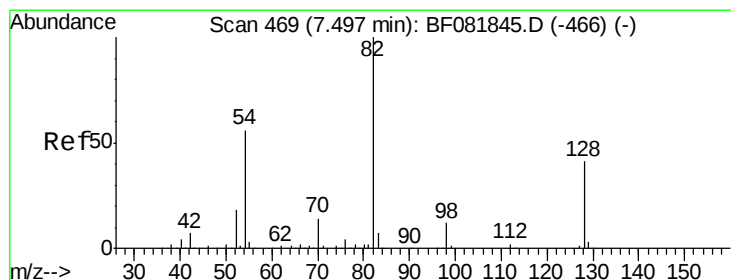
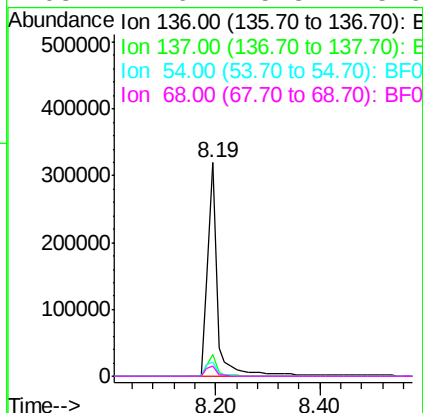
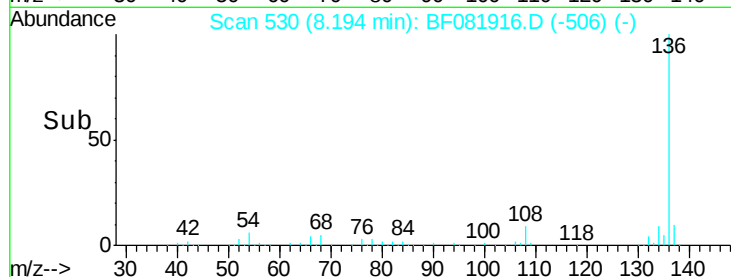
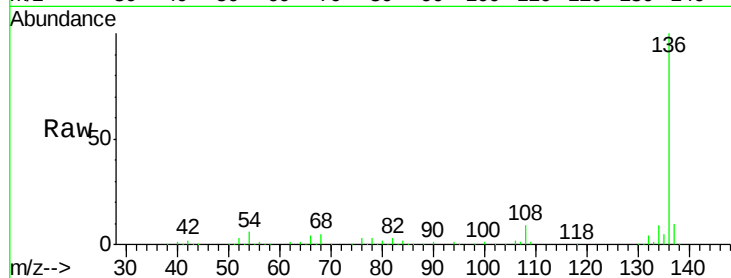




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

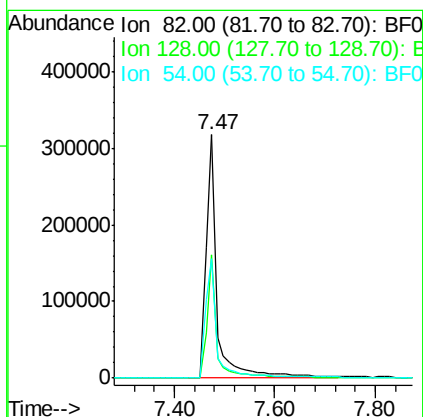
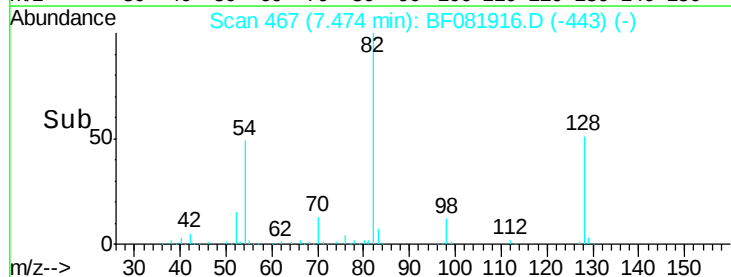
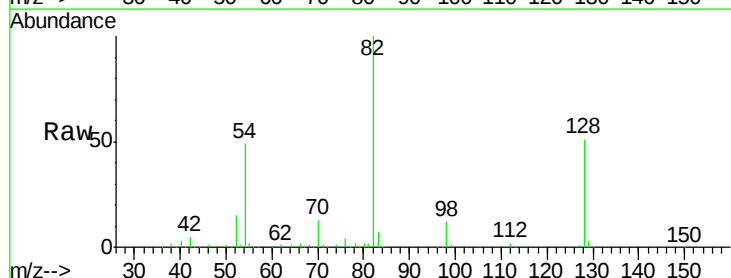
Instrument :
BNA_F
ClientSampleId :
SS-04(WEST)

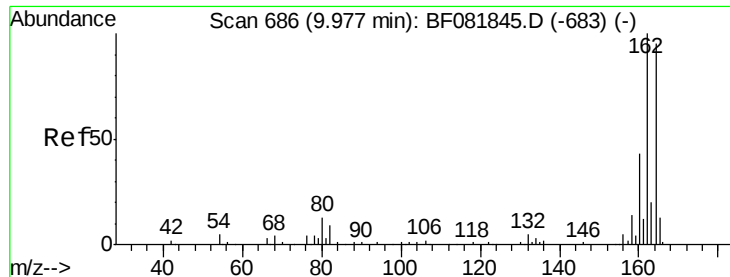
Tgt Ion:	136	Resp:	418335
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	6.4	8.2	12.2#
68	4.6	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 76.94 ng
RT: 7.47 min Scan# 467
Delta R.T. -0.02 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Tgt Ion:	82	Resp:	482847
Ion	Ratio	Lower	Upper
82	100		
128	50.6	51.0	76.6#
54	48.9	47.5	71.3

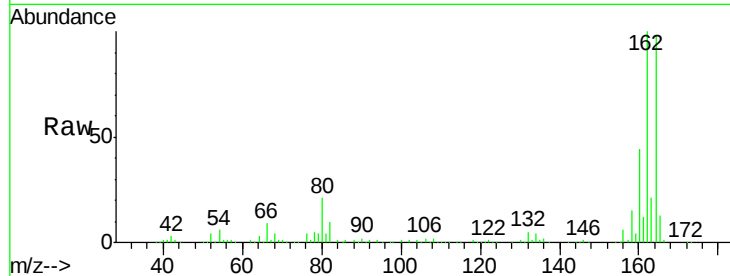




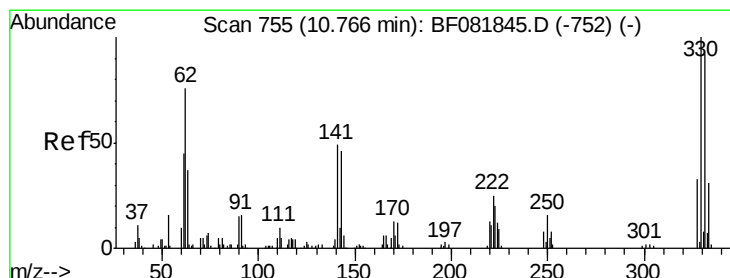
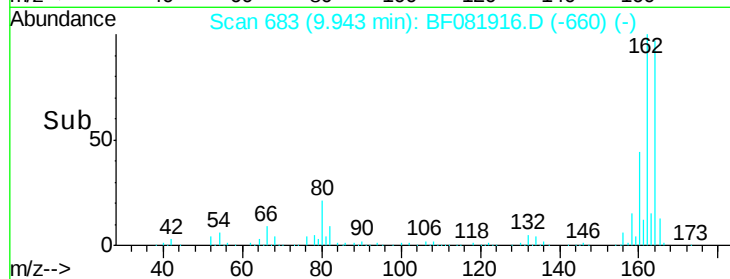
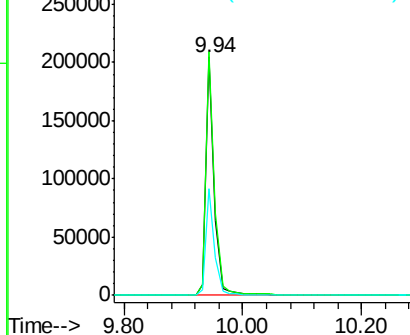
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Instrument :
BNA_F
ClientSampleId :
SS-04(WEST)

Tgt Ion:164 Resp: 207396
Ion Ratio Lower Upper
164 100
162 102.2 75.2 112.8
160 44.9 31.5 47.3

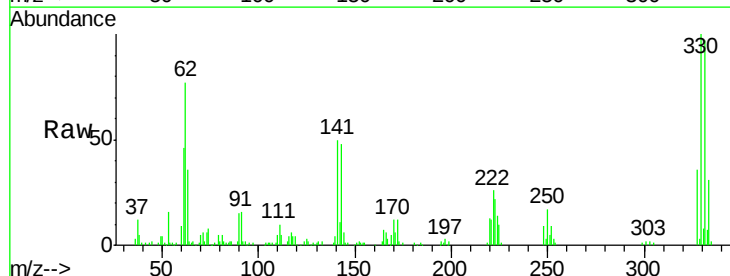


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

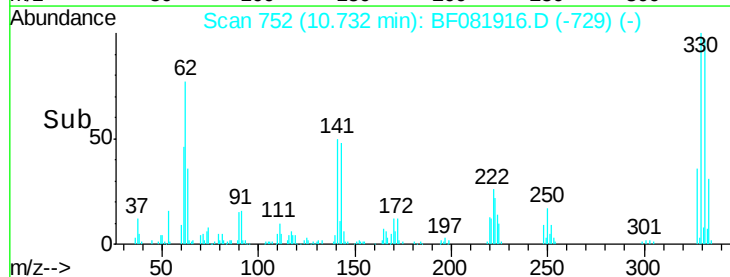
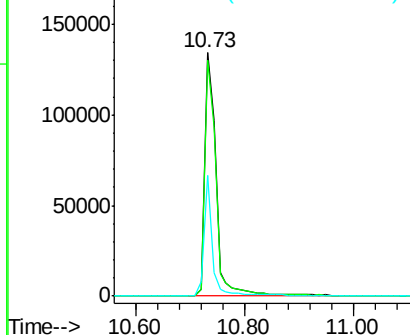


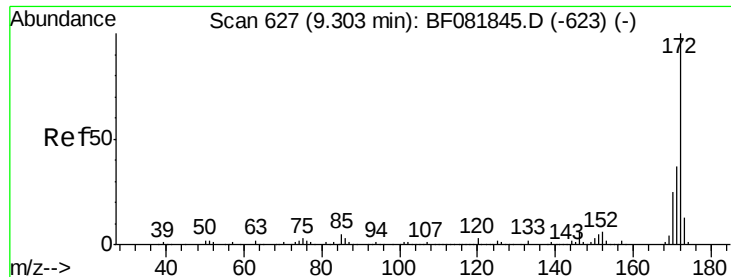
#41
2,4,6-Tribromophenol
Concen: 92.02 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Tgt Ion:330 Resp: 193276
Ion Ratio Lower Upper
330 100
332 96.9 76.6 114.8
141 35.5 29.7 44.5



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

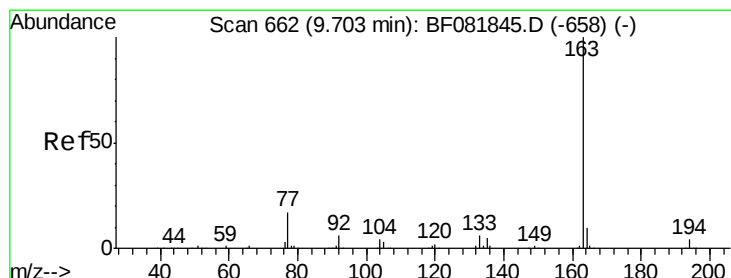
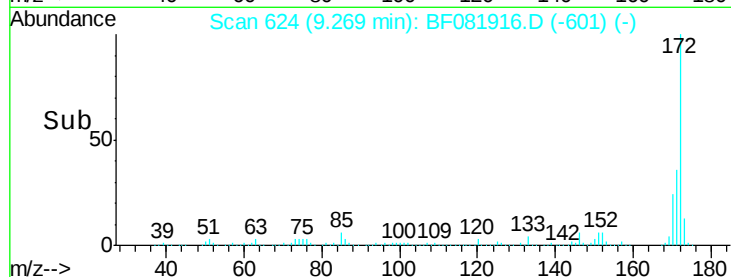
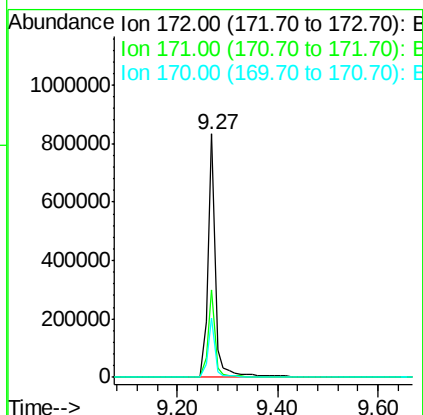
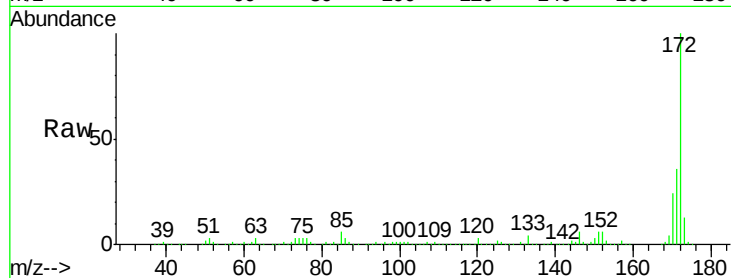




#44
 2-Fluorobiphenyl
 Concen: 67.99 ng
 RT: 9.27 min Scan# 624
 Delta R.T. -0.03 min
 Lab File: BF081916.D
 Acq: 30 Sep 2015 22:20

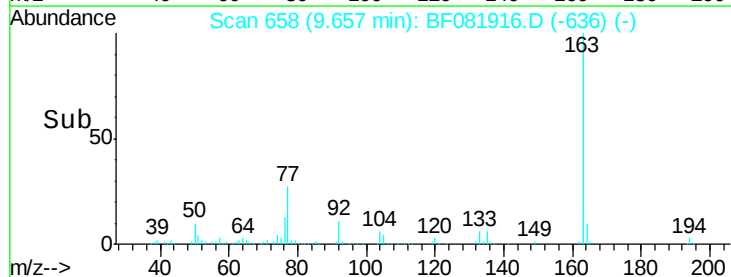
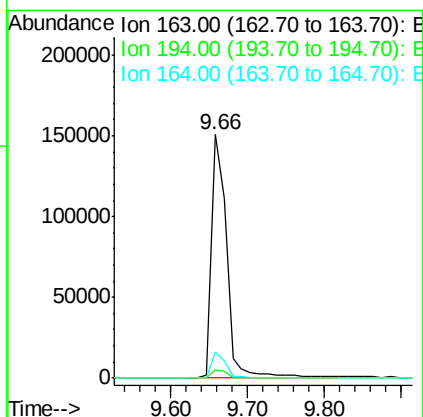
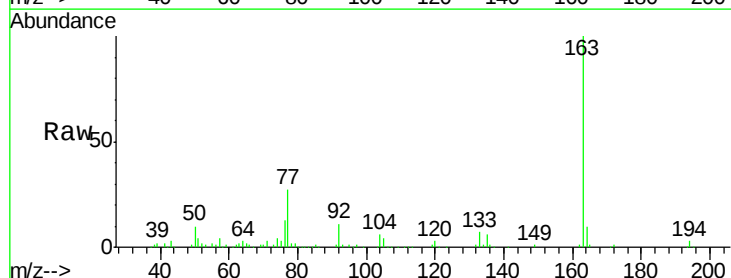
Instrument :
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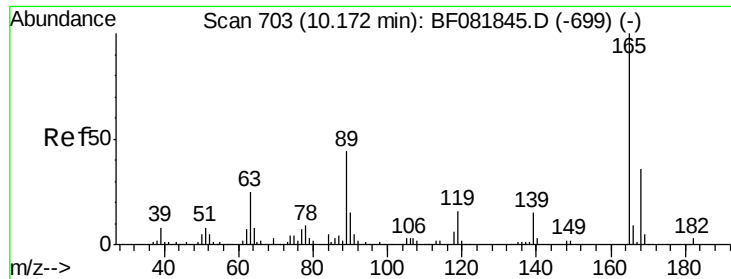
Tgt Ion:172 Resp: 876166
 Ion Ratio Lower Upper
 172 100
 171 35.9 26.1 39.1
 170 24.4 17.4 26.2



#49
 Dimethylphthalate
 Concen: 14.47 ng
 RT: 9.66 min Scan# 658
 Delta R.T. -0.05 min
 Lab File: BF081916.D
 Acq: 30 Sep 2015 22:20

Tgt Ion:163 Resp: 207118
 Ion Ratio Lower Upper
 163 100
 194 3.2 4.4 6.6#
 164 10.4 8.3 12.5

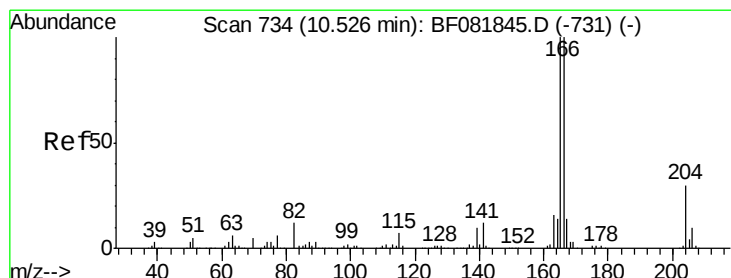
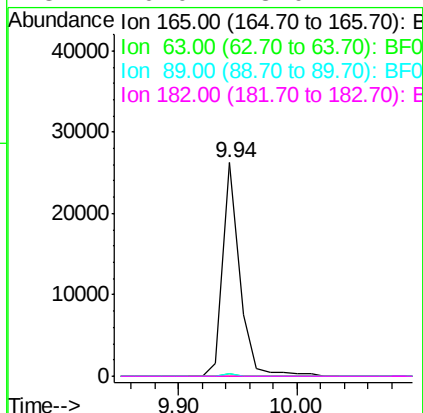
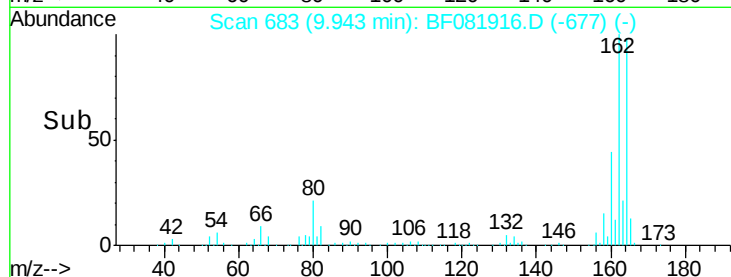
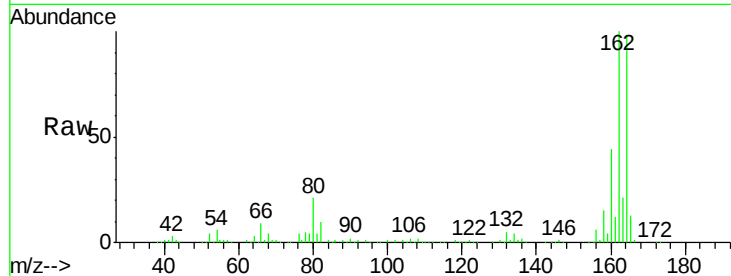




#56
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.23 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

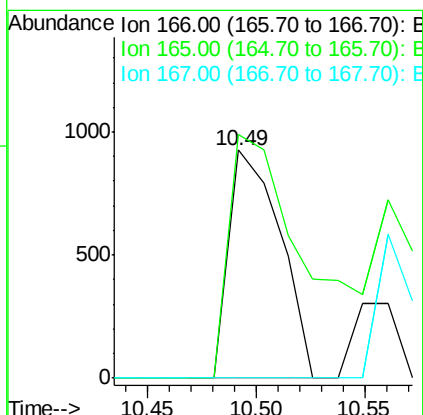
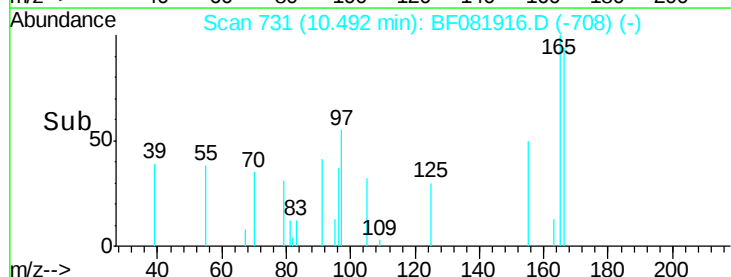
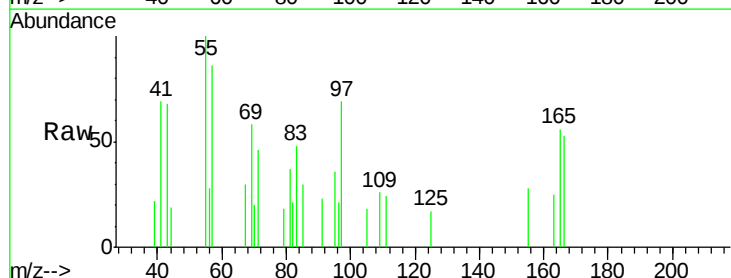
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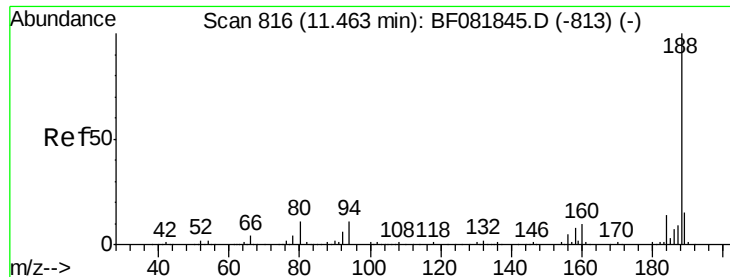
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	29.8	44.6#
89	1.4	44.5	66.7#
182	0.0	3.0	4.4#



#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 731
Delta R.T. -0.03 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.9	72.6	109.0
167	0.0	10.6	16.0#

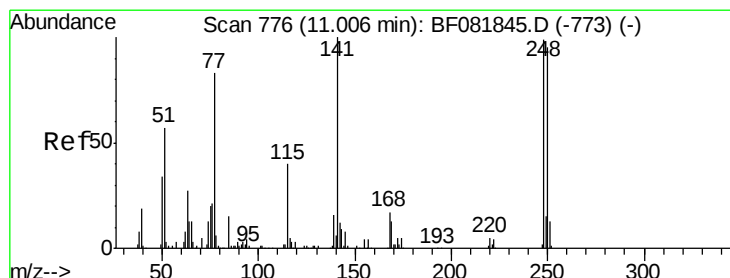
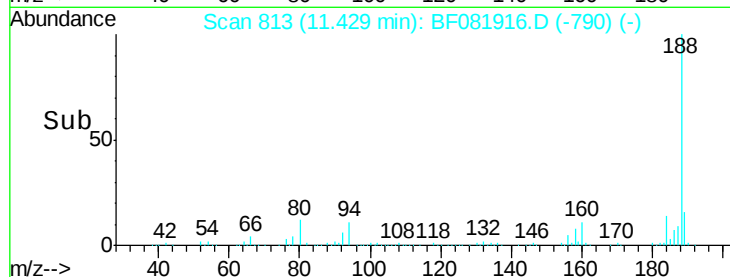
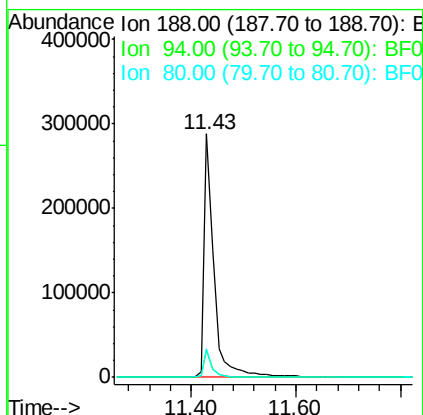
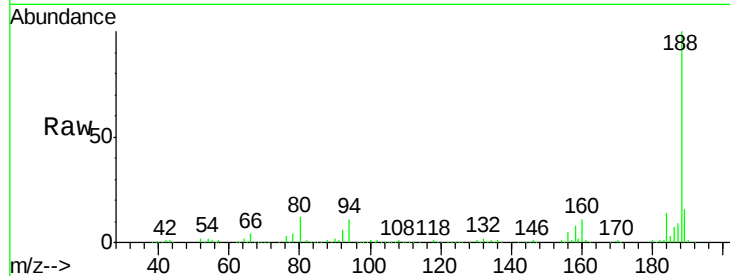




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

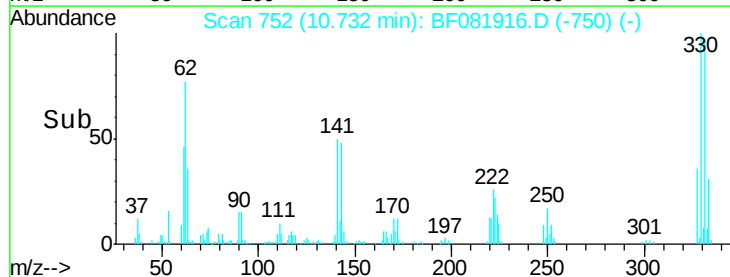
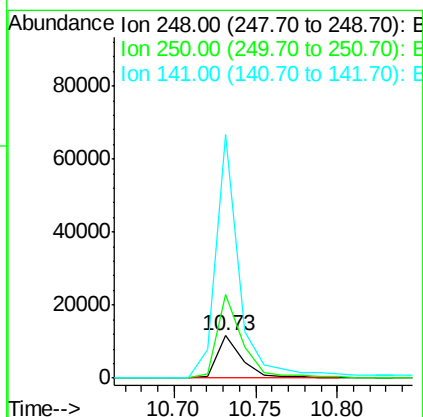
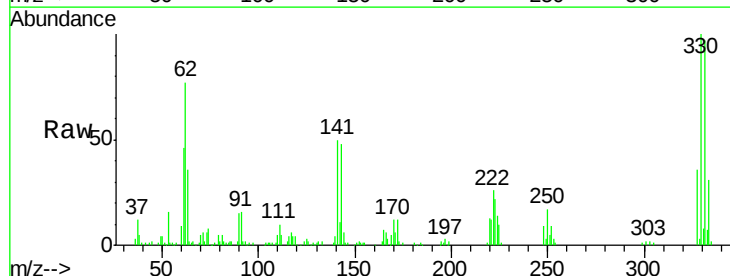
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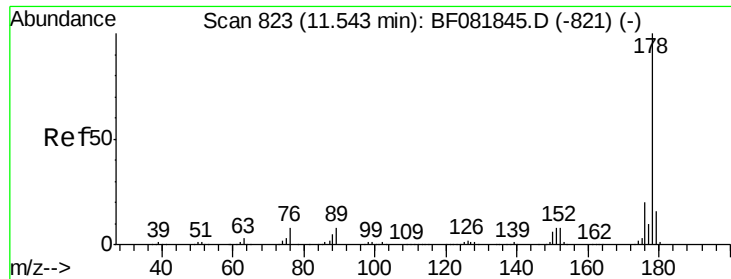
Tgt Ion:188 Resp: 385641
Ion Ratio Lower Upper
188 100
94 11.4 11.1 16.7
80 12.0 11.0 16.4



#66
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.27 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Tgt Ion:248 Resp: 12303
Ion Ratio Lower Upper
248 100
250 199.2 78.5 117.7#
141 578.4 59.0 88.6#

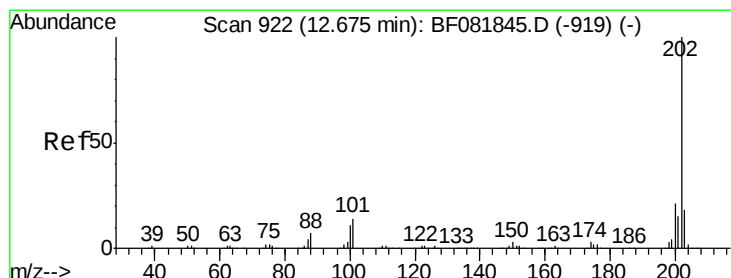
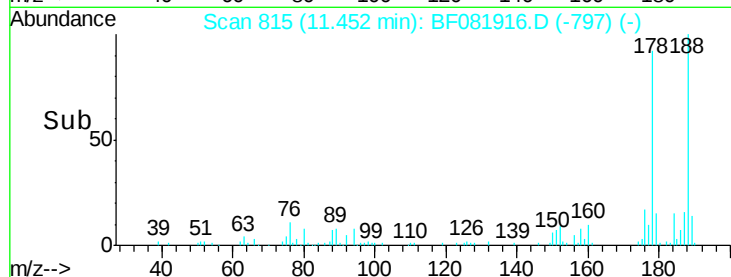
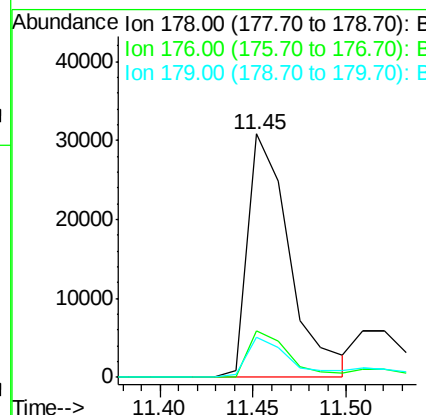
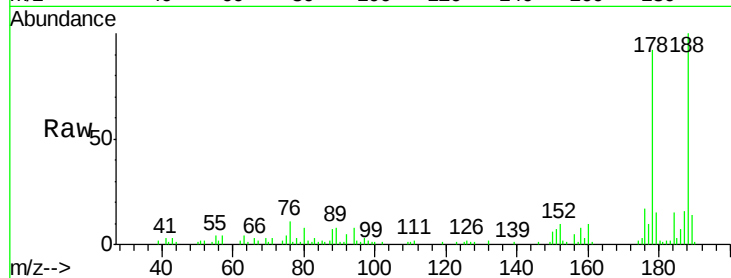




#71
 Anthracene
 Concen: 2.46 ng
 RT: 11.45 min Scan# 815
 Delta R.T. -0.09 min
 Lab File: BF081916.D
 Acq: 30 Sep 2015 22:20

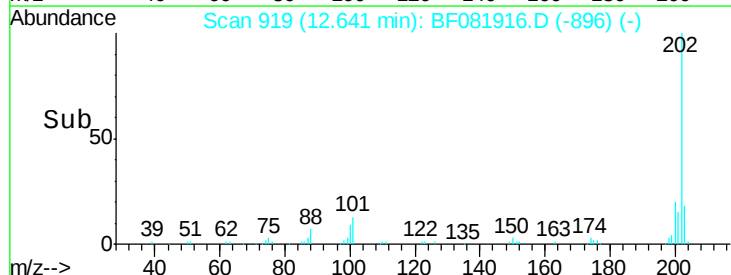
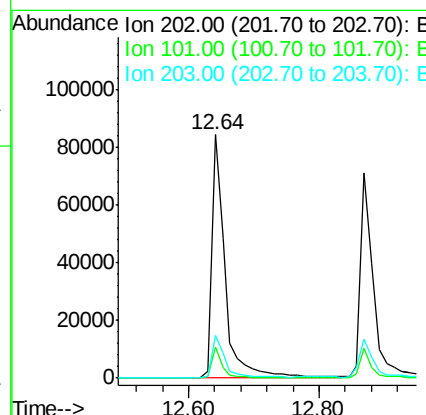
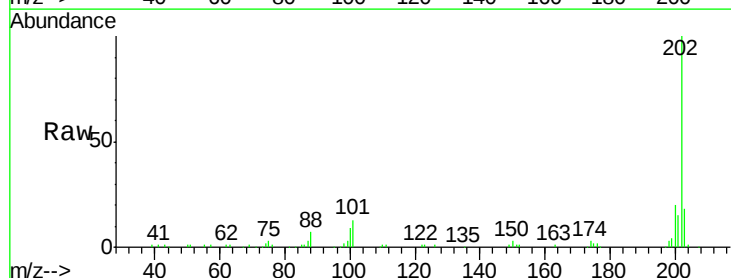
Instrument :
 BNA_F
 ClientSampleId :
 SS-04(WEST)

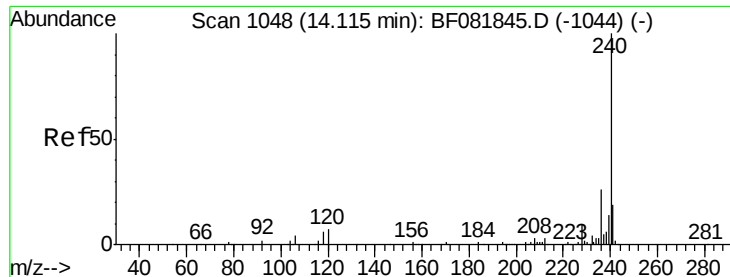
Tgt Ion:178 Resp: 48238
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.1 21.1
 179 16.3 12.2 18.2



#74
 Fluoranthene
 Concen: 5.82 ng
 RT: 12.64 min Scan# 919
 Delta R.T. -0.03 min
 Lab File: BF081916.D
 Acq: 30 Sep 2015 22:20

Tgt Ion:202 Resp: 120229
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 38.3
 203 17.5 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SS-04(WEST)

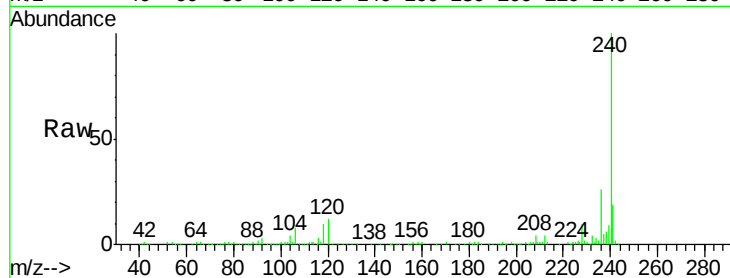
Tgt Ion:240 Resp: 296340

Ion Ratio Lower Upper

240 100

120 11.7 16.2 24.2#

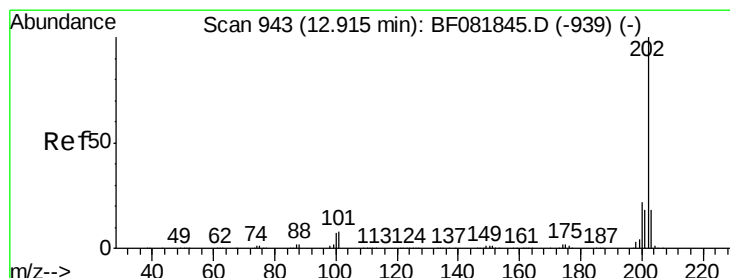
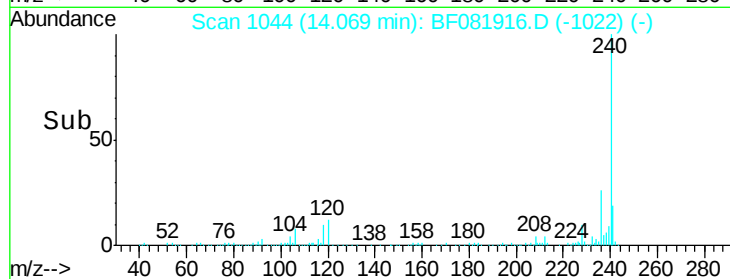
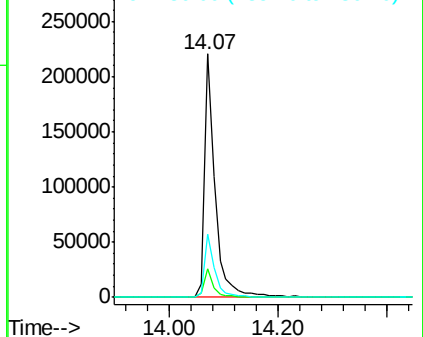
236 25.9 18.4 27.6



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: 5.60 ng

RT: 12.87 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

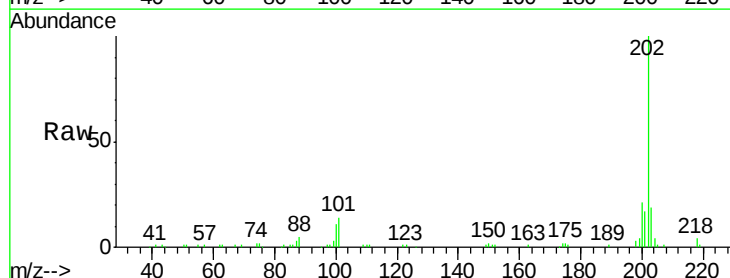
Tgt Ion:202 Resp: 99132

Ion Ratio Lower Upper

202 100

200 21.0 15.0 22.4

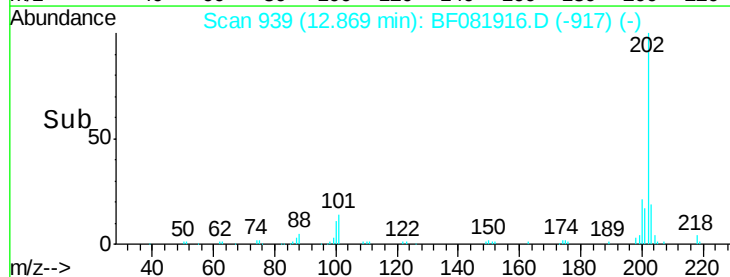
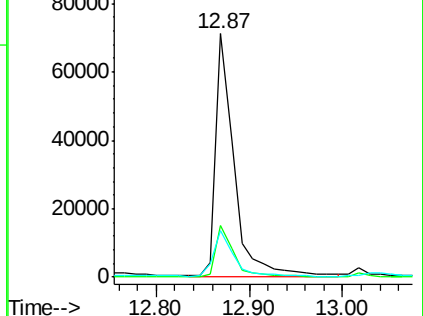
203 19.1 14.1 21.1

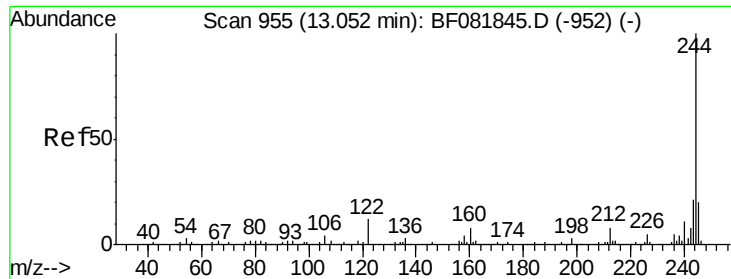


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

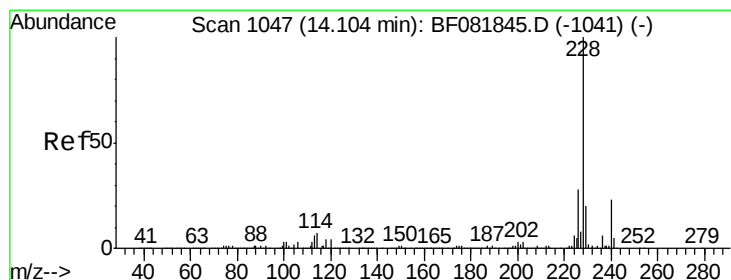
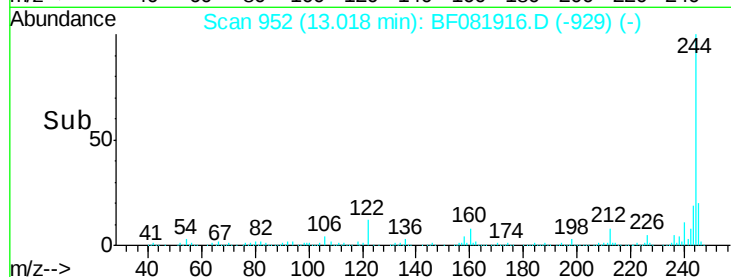
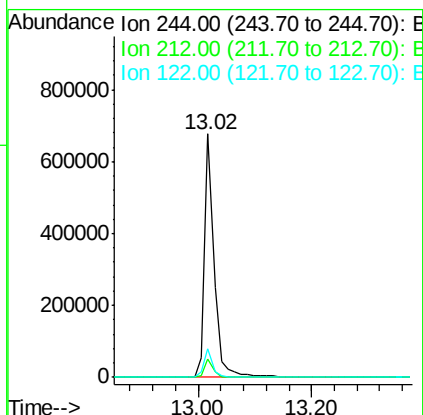
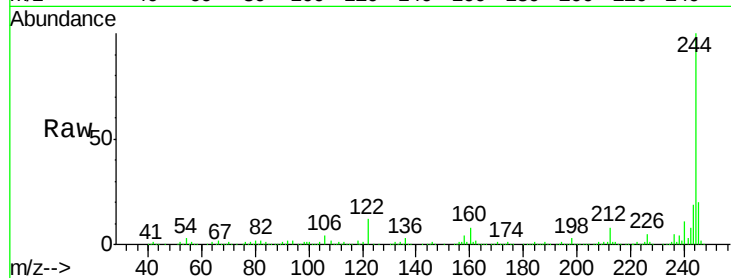




#78
 Terphenyl-d14
 Concen: 82.16 ng
 RT: 13.02 min Scan# 952
 Delta R.T. -0.03 min
 Lab File: BF081916.D
 Acq: 30 Sep 2015 22:20

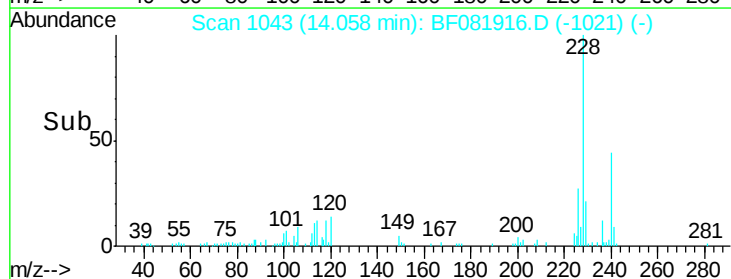
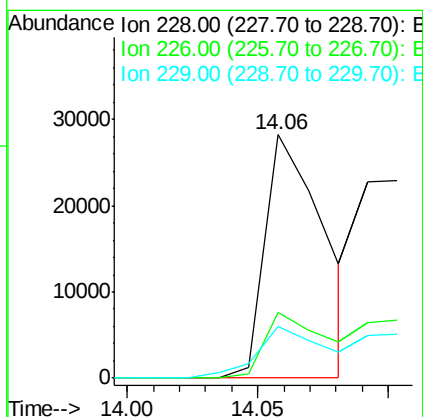
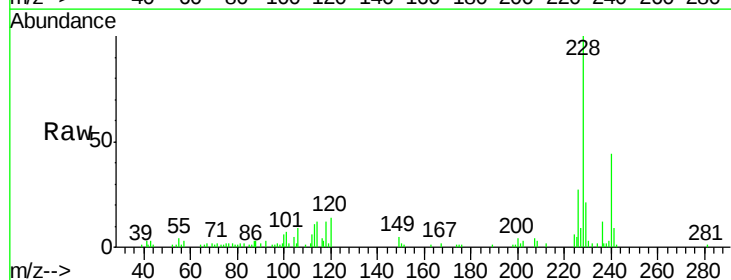
Instrument :
 BNA_F
 ClientSampleId :
 SS-04(WEST)

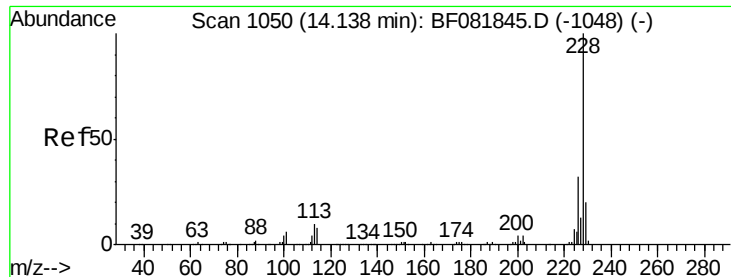
Tgt Ion:244 Resp: 760848
 Ion Ratio Lower Upper
 244 100
 212 7.5 4.3 6.5#
 122 11.8 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.77 ng
 RT: 14.06 min Scan# 1043
 Delta R.T. -0.05 min
 Lab File: BF081916.D
 Acq: 30 Sep 2015 22:20

Tgt Ion:228 Resp: 44235
 Ion Ratio Lower Upper
 228 100
 226 27.2 20.0 30.0
 229 21.5 15.4 23.2





#82

Chrysene

Concen: 2.98 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.08 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SS-04(WEST)

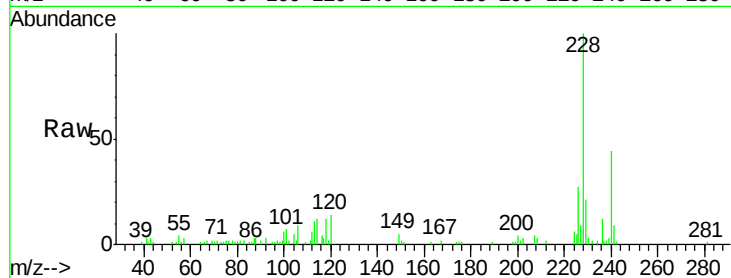
Tgt Ion:228 Resp: 44235

Ion Ratio Lower Upper

228 100

226 27.2 21.0 31.4

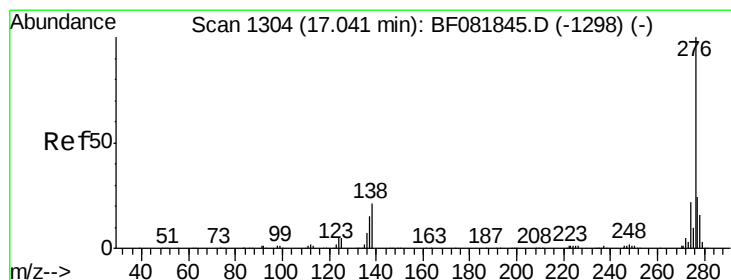
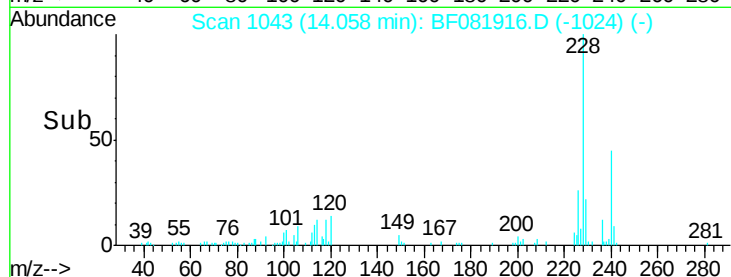
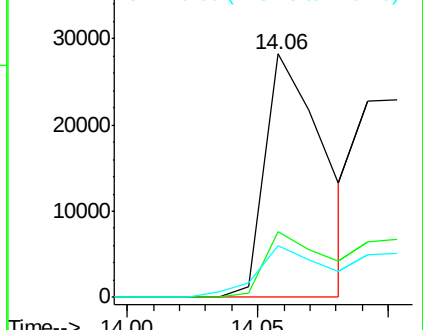
229 21.5 15.6 23.4



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: 2.11 ng

RT: 16.96 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF081916.D

Acq: 30 Sep 2015 22:20

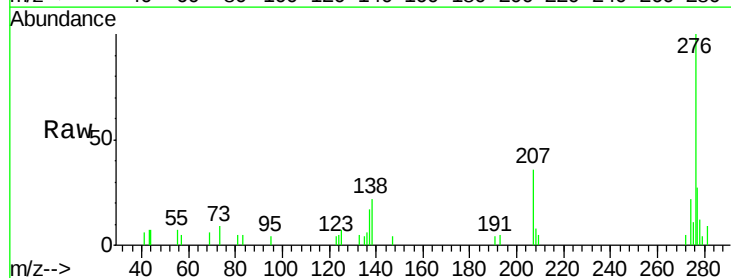
Tgt Ion:276 Resp: 26317

Ion Ratio Lower Upper

276 100

138 20.4 25.7 38.5#

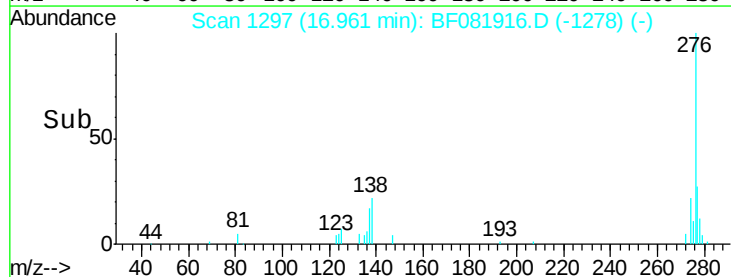
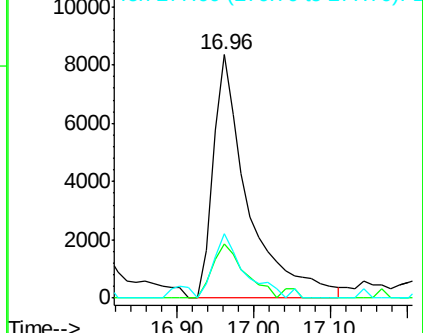
277 23.7 15.6 23.4#

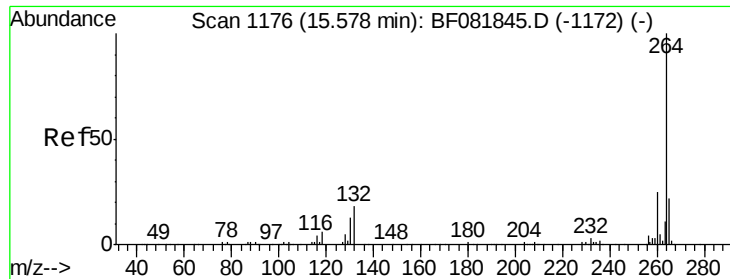


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

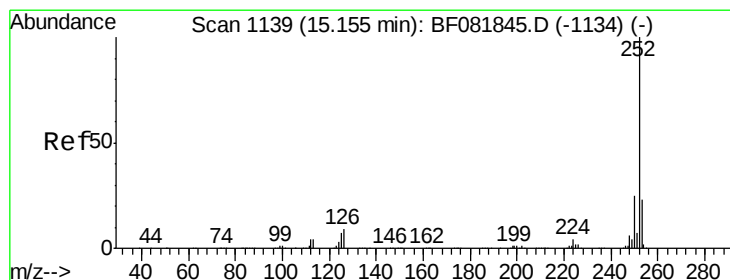
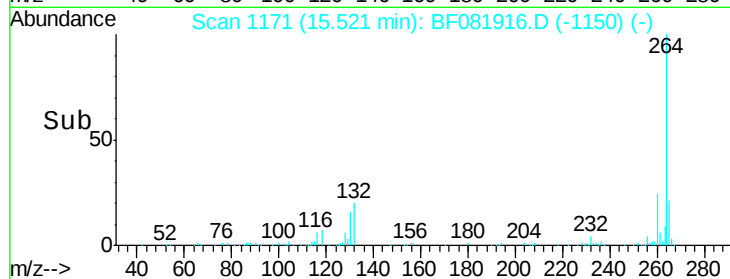
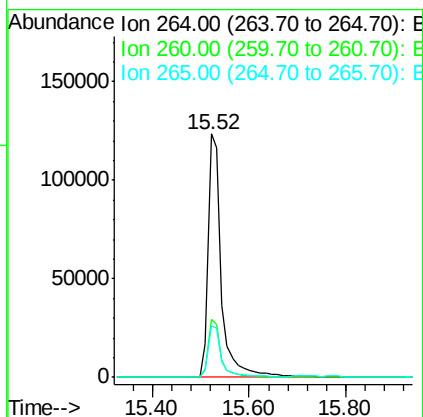
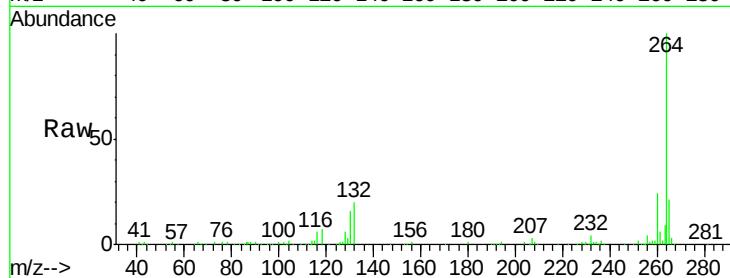




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

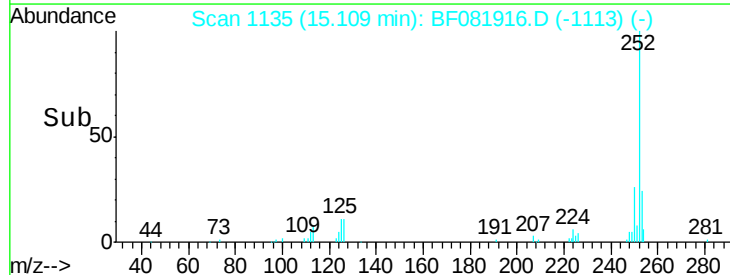
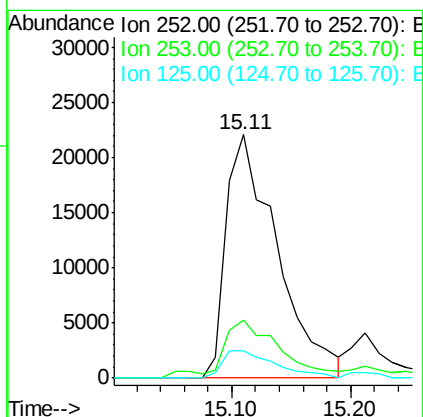
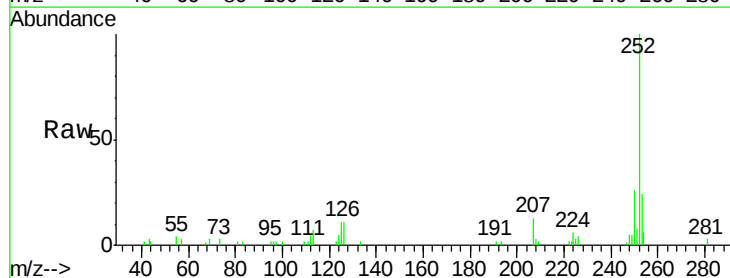
Instrument :
BNA_F
ClientSampleId :
SS-04(WEST)

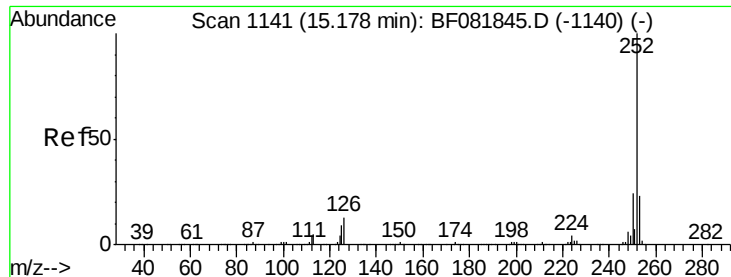
Tgt Ion:264 Resp: 240570
Ion Ratio Lower Upper
264 100
260 23.7 16.7 25.1
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.80 ng
RT: 15.11 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Tgt Ion:252 Resp: 65945
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 11.2 17.1 25.7#

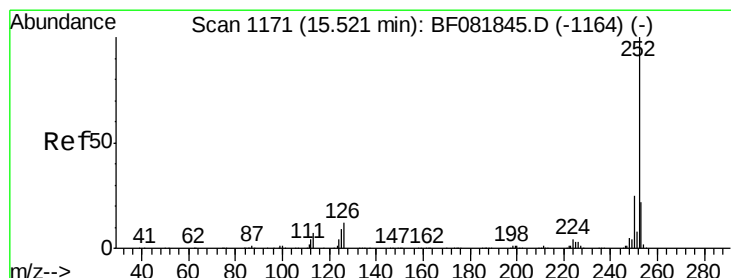
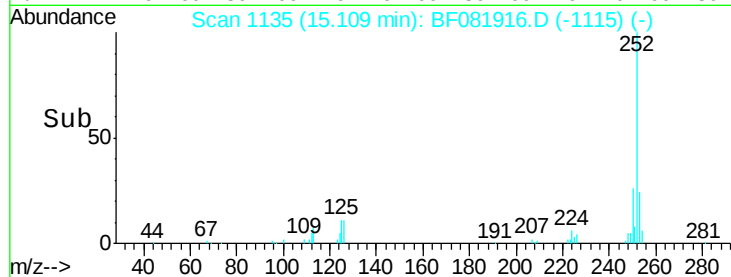
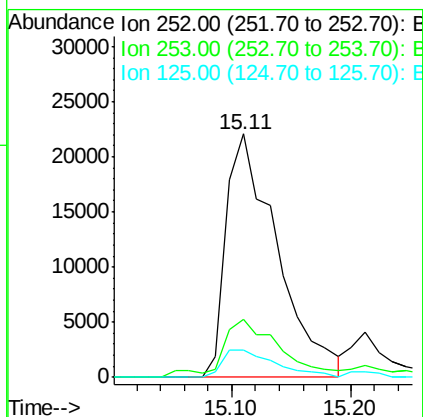
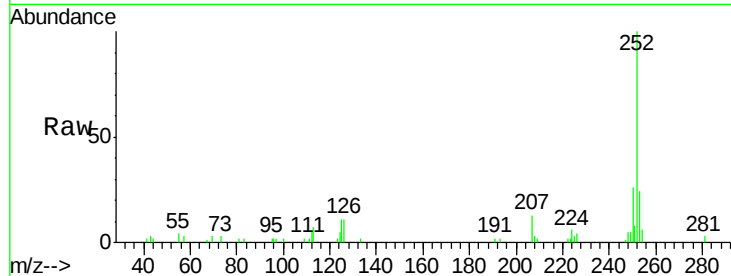




#88
Benzo(k)fluoranthene
Concen: 5.24 ng
RT: 15.11 min Scan# 1135
Delta R.T. -0.07 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

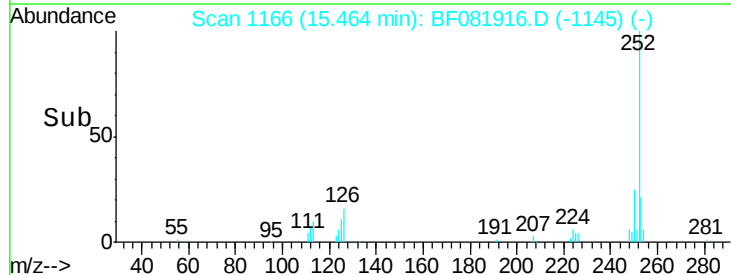
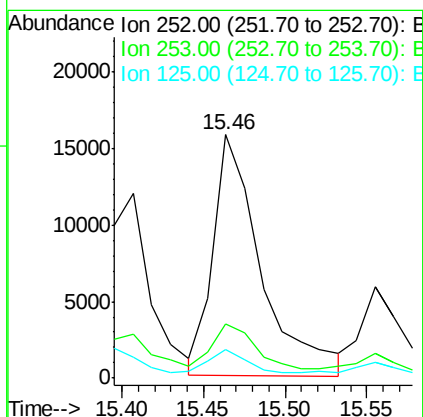
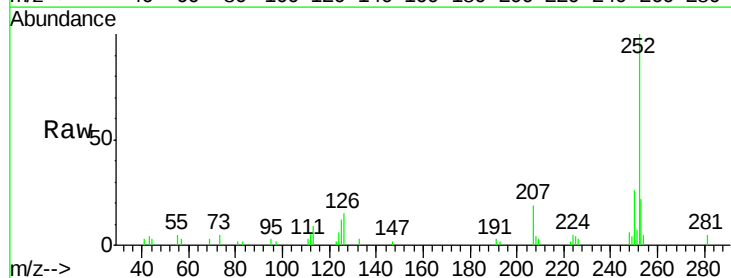
Instrument :
BNA_F
ClientSampleId :
SS-04(WEST)

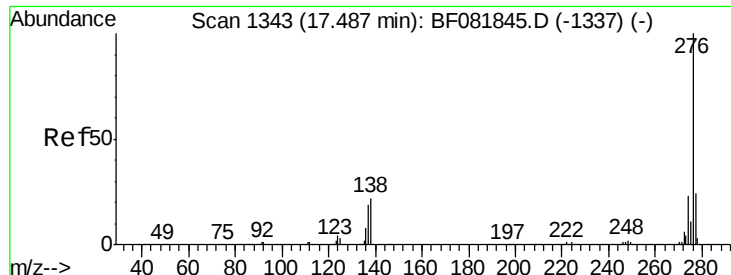
Tgt Ion: 252 Resp: 65945
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 11.2 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 2.70 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.06 min
Lab File: BF081916.D
Acq: 30 Sep 2015 22:20

Tgt Ion: 252 Resp: 32224
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 11.7 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 2.44 ng

RT: 17.40 min Scan# 1335

Delta R.T. -0.09 min

Lab File: BF081916.D

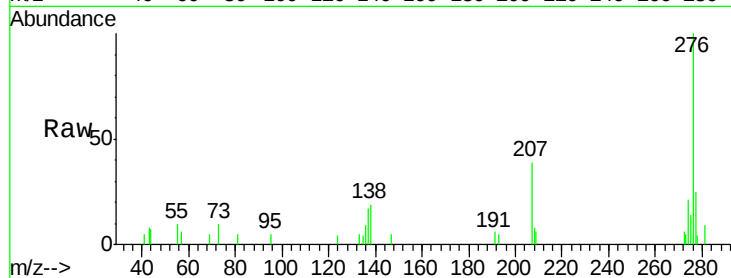
Acq: 30 Sep 2015 22:20

Instrument :

BNA_F

ClientSampleId :

SS-04(WEST)



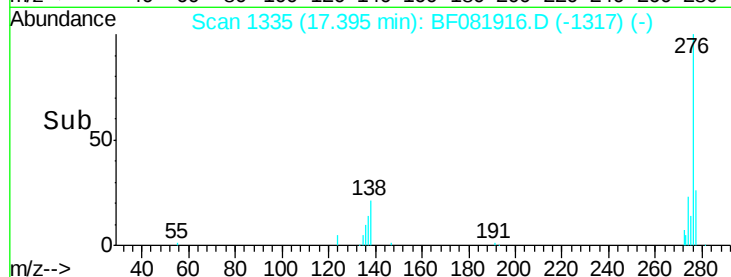
Tgt Ion: 276 Resp: 25005

Ion Ratio Lower Upper

276 100

277 24.6 17.8 26.6

138 19.4 34.6 51.8#



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

