

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
 Data File : BF080013.D
 Acq On : 17 Jun 2015 5:00
 Operator : TP/IZ
 Sample : G2649-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

Manual Integrations
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Quant Time: Jun 17 06:12:57 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 15:44:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	44981	20.00	ng	0.00
21) Naphthalene-d8	8.64	136	178187	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	88972	20.00	ng	0.00
63) Phenanthrene-d10	11.92	188	194609	20.00	ng	0.00
75) Chrysene-d12	14.93	240	207129	20.00	ng	0.02
86) Perylene-d12	16.85	264	213948	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.96	112	308371	125.71	ng	0.00
7) Phenol-d6	6.95	99	431577	129.13	ng	0.00
23) Nitrobenzene-d5	7.91	82	236373	87.52	ng	0.00
41) 2,4,6-Tribromophenol	11.21	330	104450	116.87	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	515631	81.15	ng	0.00
78) Terphenyl-d14	13.64	244	650879	72.45	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.10	163	60586	8.50	ng	98
70) Phenanthrene	11.94	178	108691	9.37	ng	99
71) Anthracene	12.00	178	37238	3.32	ng	99
74) Fluoranthene	13.23	202	209220	16.32	ng	96
77) Pyrene	13.49	202	240885	18.52	ng	98
80) Benzo(a)anthracene	14.92	228	133390	10.14	ng	97
82) Chrysene	14.96	228	106732	8.18	ng	98
83) Bis(2-ethylhexyl)phthalate	14.89	149	18000	2.56	ng	98
85) Indeno(1,2,3-cd)pyrene	18.72	276	57068	4.14	ng	# 93
87) Benzo(b)fluoranthene	16.30	252	136223m	10.39	ng	
88) Benzo(k)fluoranthene	16.33	252	41968m	3.14	ng	
89) Benzo(a)pyrene	16.77	252	97752m	7.84	ng	
91) Benzo(g,h,i)perylene	19.29	276	60406	4.76	ng	97

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

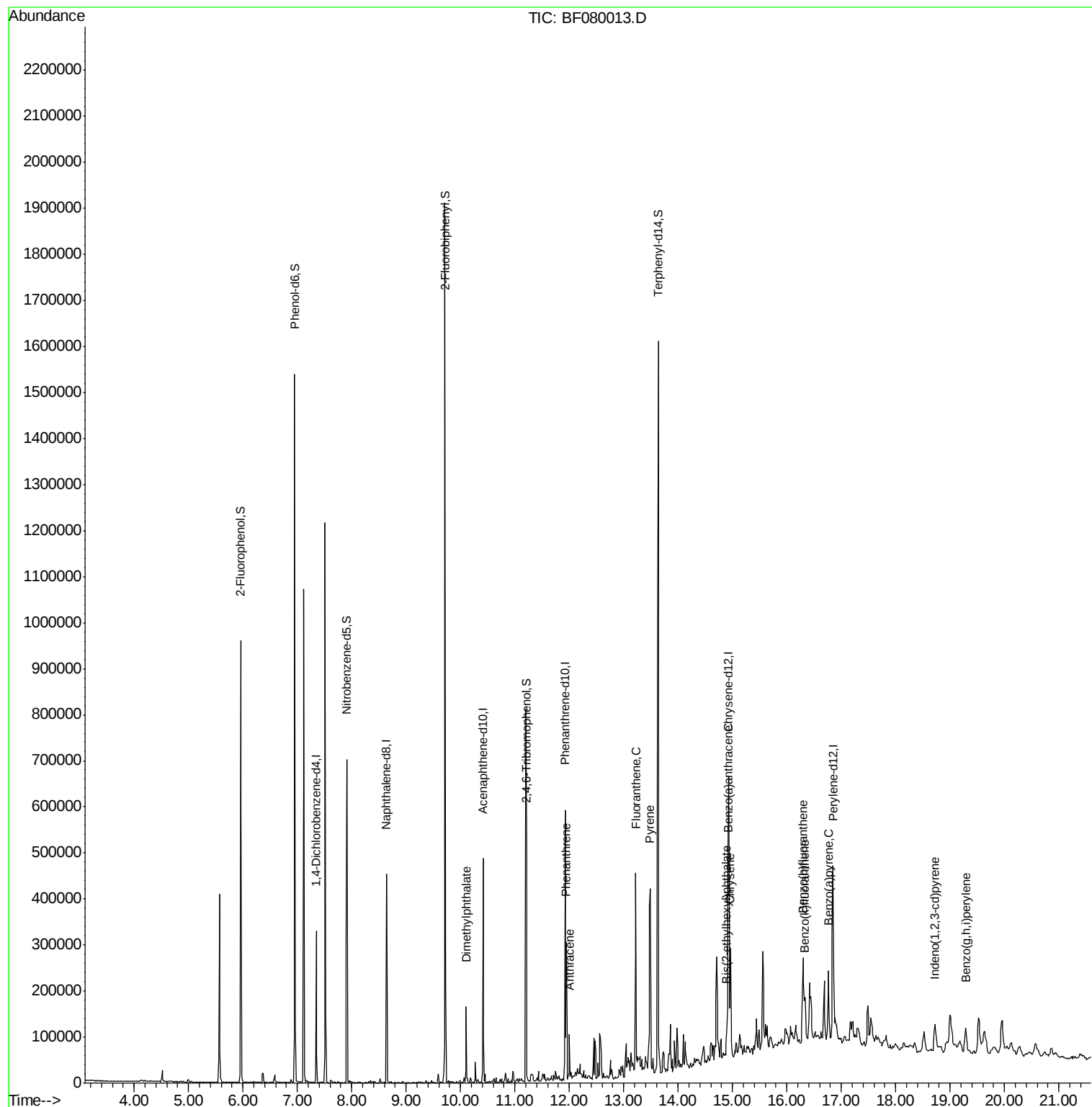
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
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ALS Vial : 23 Sample Multiplier: 1

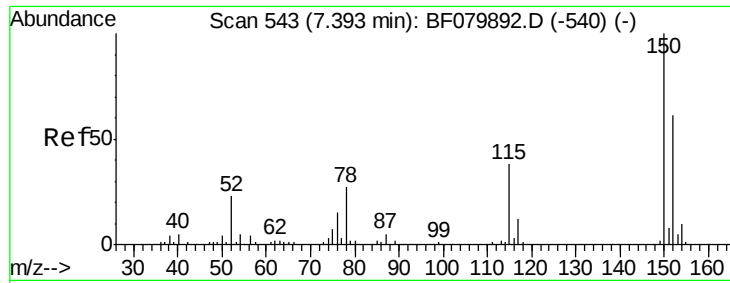
Instrument :
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AST-HC-001

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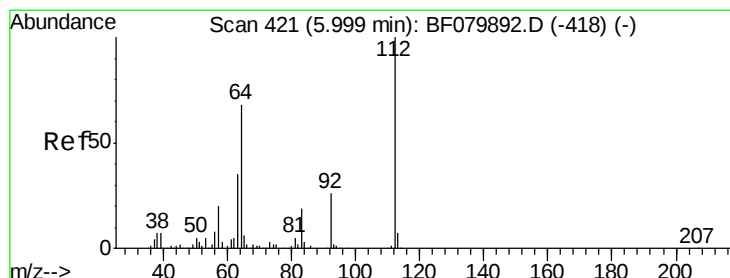
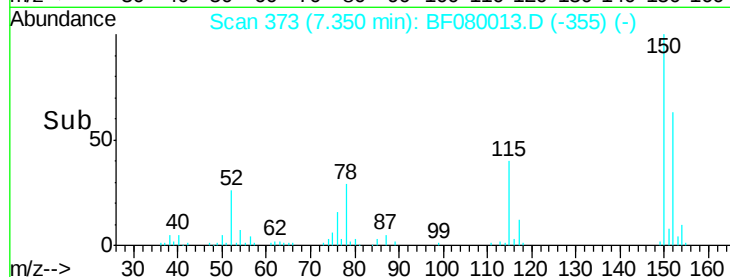
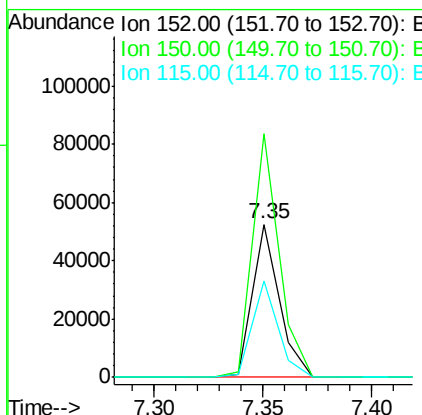
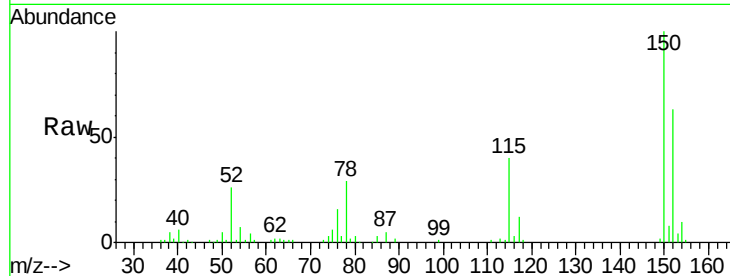
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.8	131.0	196.4
115	62.9	49.8	74.6

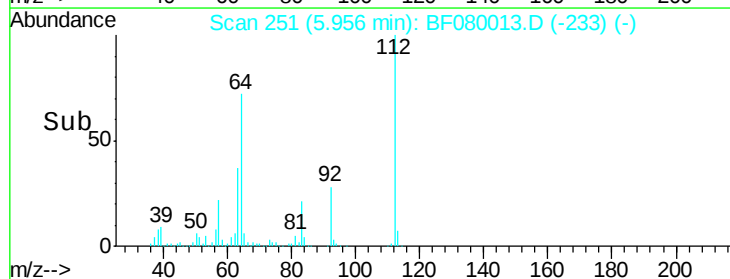
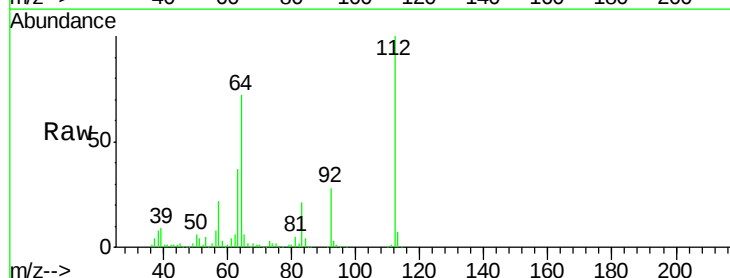
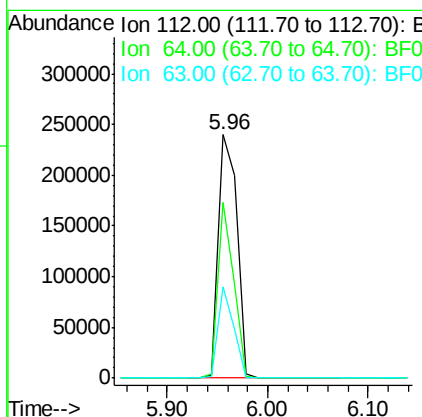
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#5
 2-Fluorophenol
 Concen: 125.71 ng
 RT: 5.96 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.3	54.5	81.7
63	37.3	27.9	41.9





#7

Phenol-d6

Concen: 129.13 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

AST-HC-001

Tgt Ion: 99 Resp: 431577
Ion Ratio Lower Upper

99 100

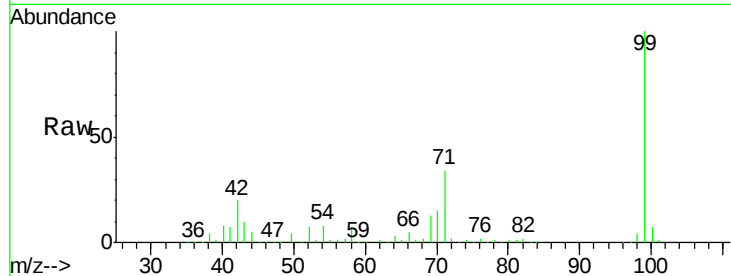
42 19.9 12.9 19.3#

71 34.3 23.4 35.2

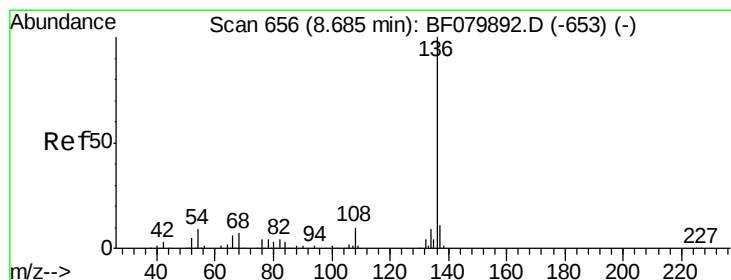
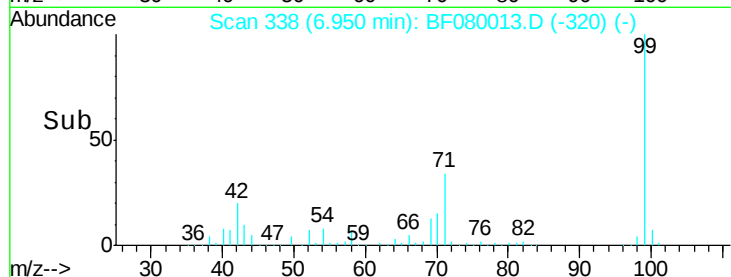
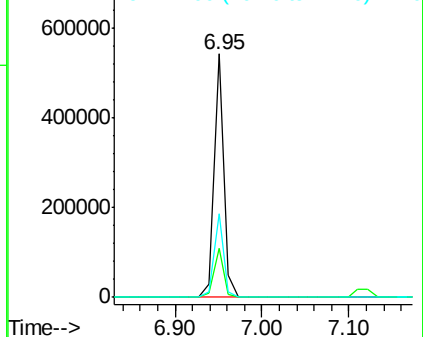
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.64 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Tgt Ion: 136 Resp: 178187
Ion Ratio Lower Upper

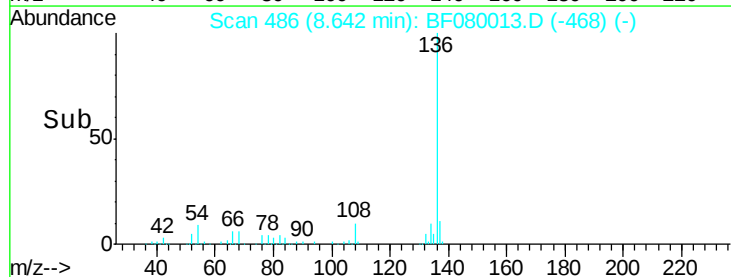
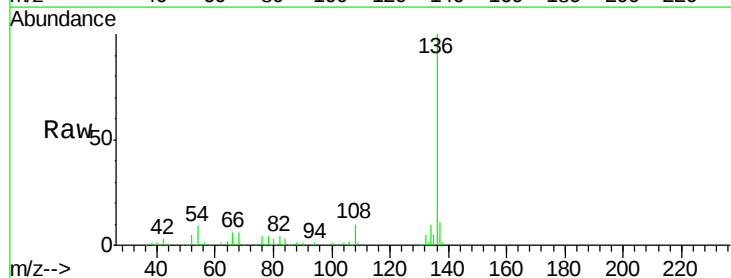
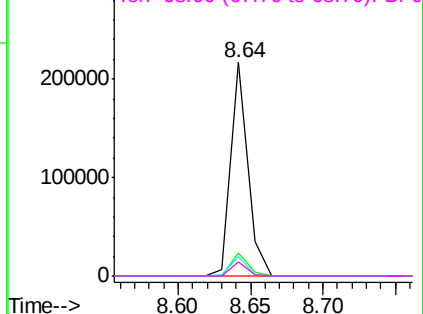
136 100

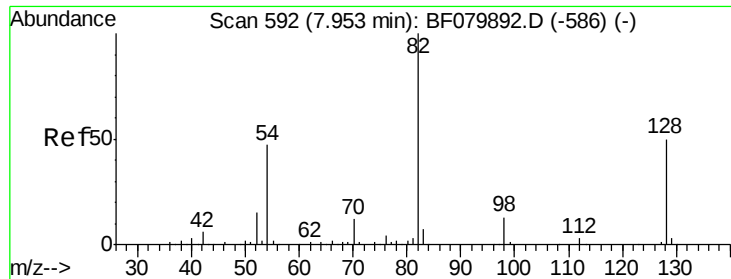
137 10.8 8.7 13.1

54 8.7 7.3 10.9

68 6.4 5.9 8.9

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: 87.52 ng

RT: 7.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

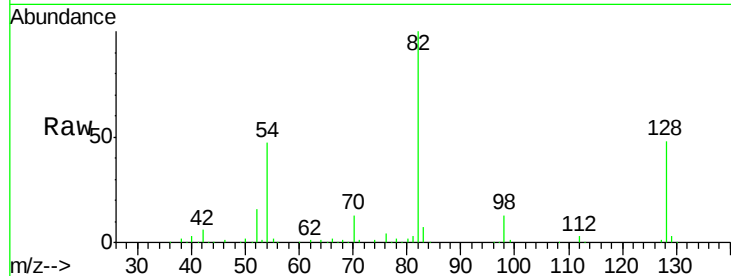
ClientSampleId :

AST-HC-001

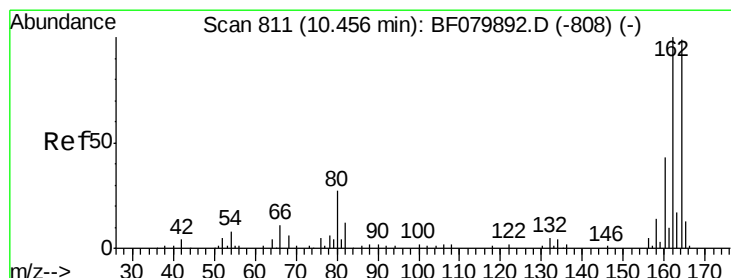
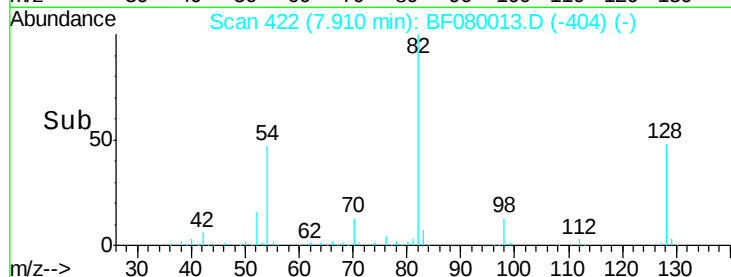
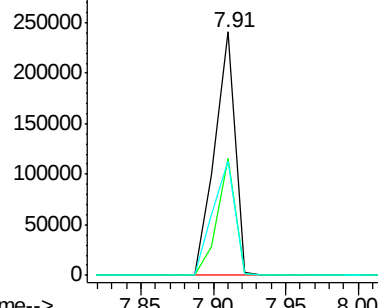
Tgt Ion:	82	Resp:	236373
Ion Ratio	Lower	Upper	
82	100		
128	47.8	40.3	60.5
54	46.9	38.0	57.0

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



#38

Acenaphthene-d10

Concen: 20.00 ng

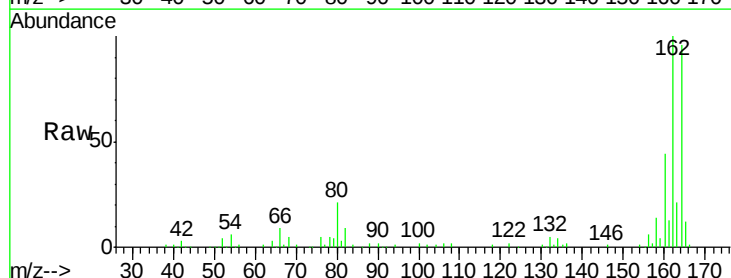
RT: 10.41 min Scan# 641

Delta R.T. 0.00 min

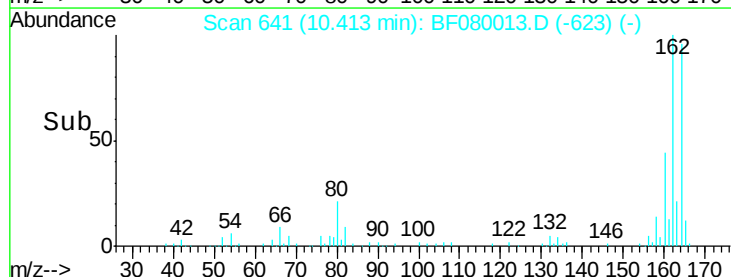
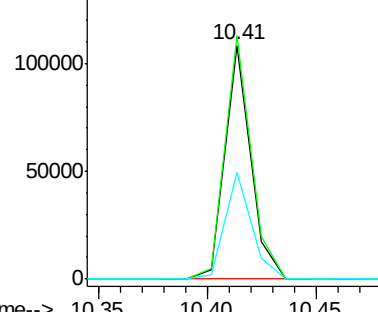
Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Tgt Ion:	164	Resp:	88972
Ion Ratio	Lower	Upper	
164	100		
162	104.1	80.7	121.1
160	45.6	34.6	51.8



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





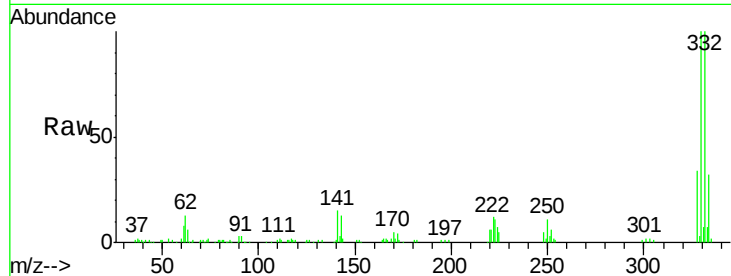
#41
 2,4,6-Tribromophenol
 Concen: 116.87 ng
 RT: 11.21 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

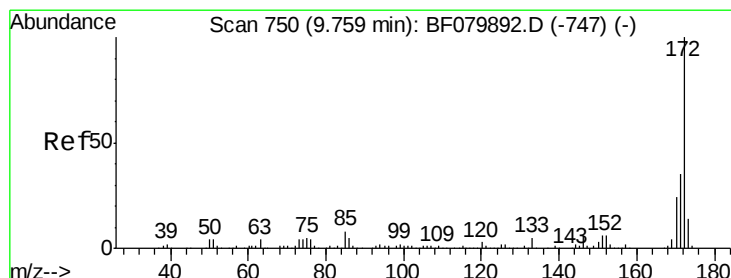
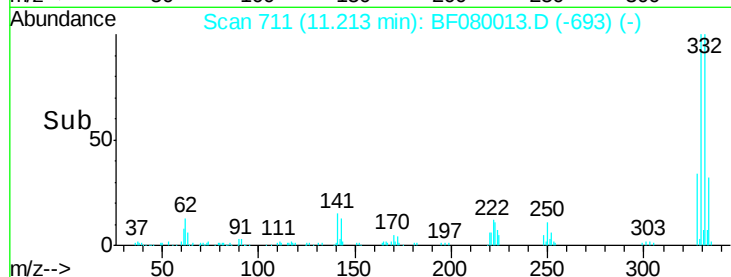
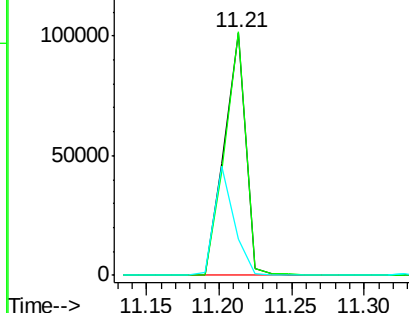
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	104450		
332	97.9	77.3	115.9	
141	40.7	26.8	40.2#	

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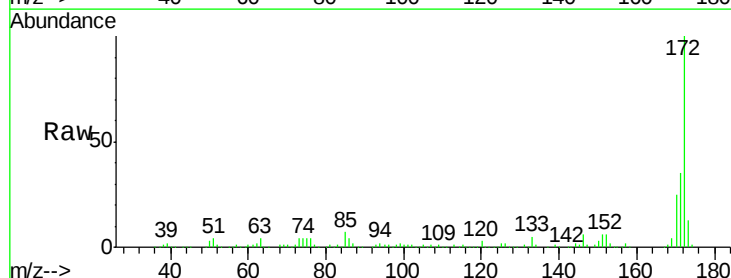


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

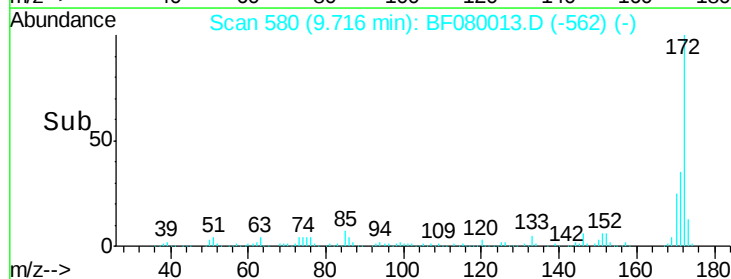
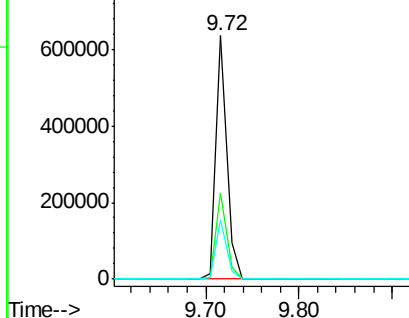


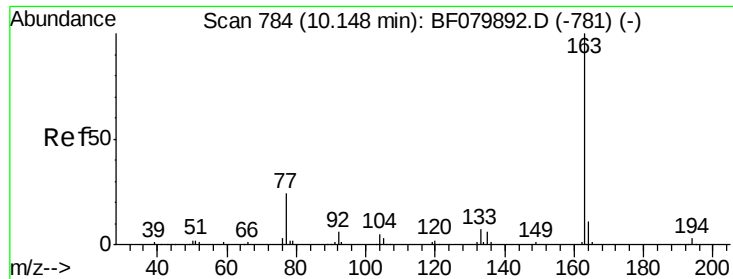
#44
 2-Fluorobiphenyl
 Concen: 81.15 ng
 RT: 9.72 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	515631		
171	35.4	28.3	42.5	
170	24.5	19.0	28.4	



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





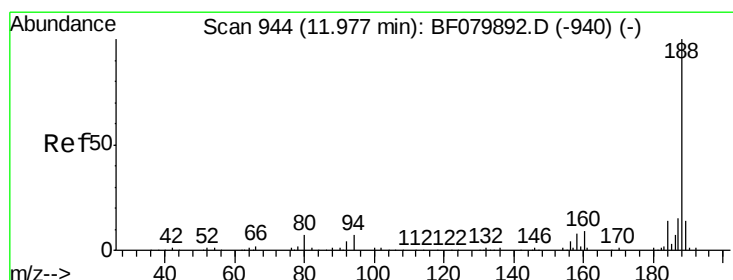
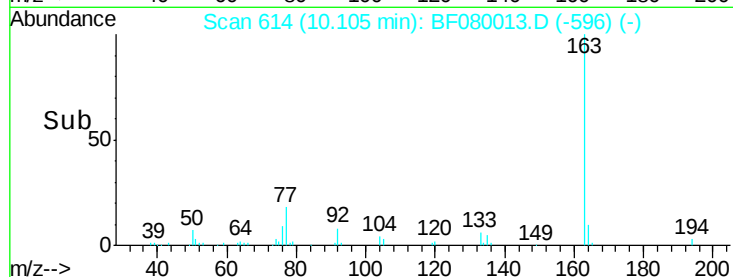
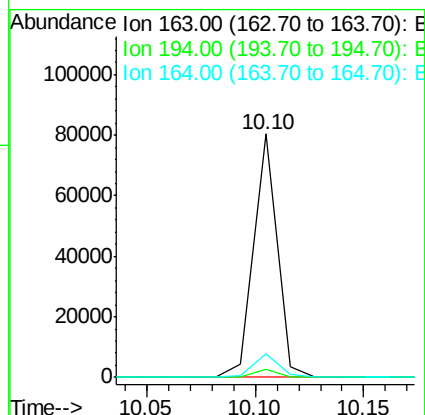
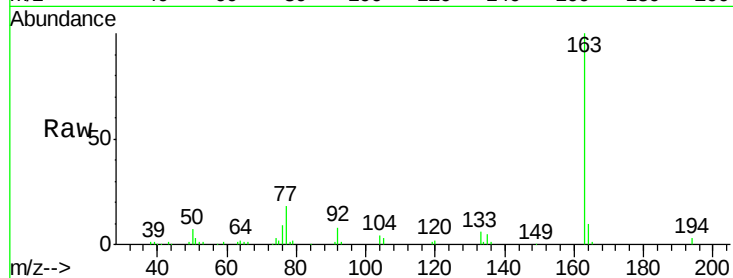
#49
Dimethylphthalate
Concen: 8.50 ng
RT: 10.10 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	9.8	8.6	12.8

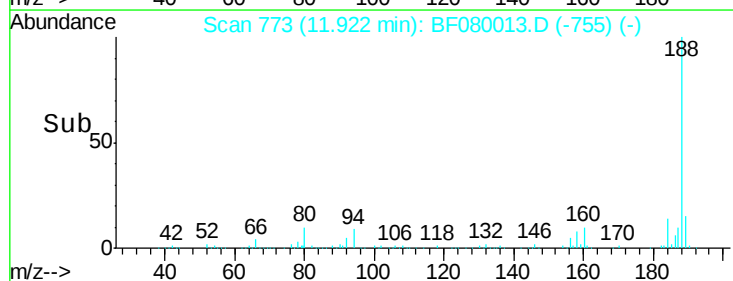
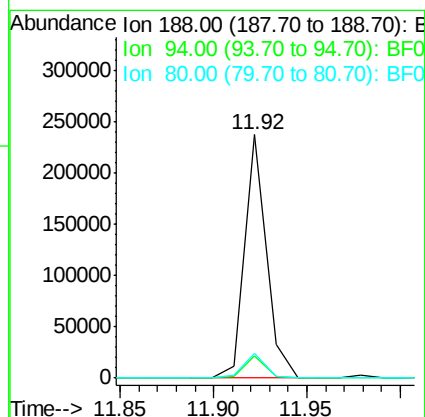
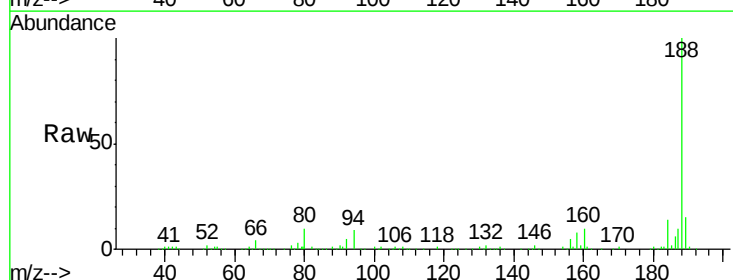
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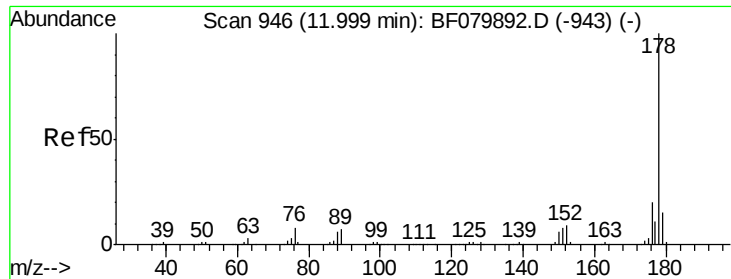
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	5.8	8.8#
80	10.0	5.9	8.9#





#70

Phenanthrene

Concen: 9.37 ng

RT: 11.94 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF080013.D

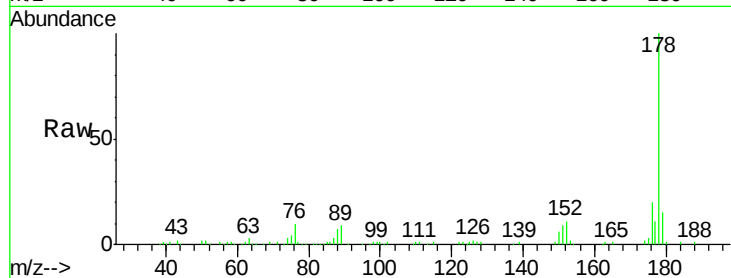
Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

ClientSampleId :

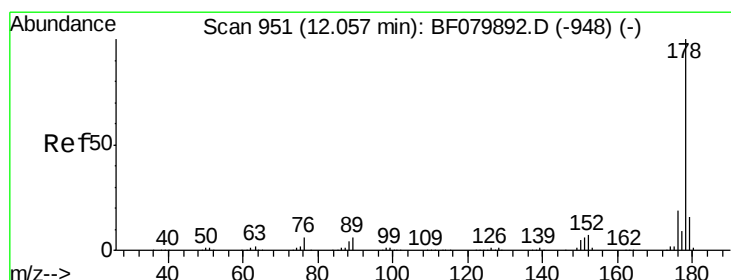
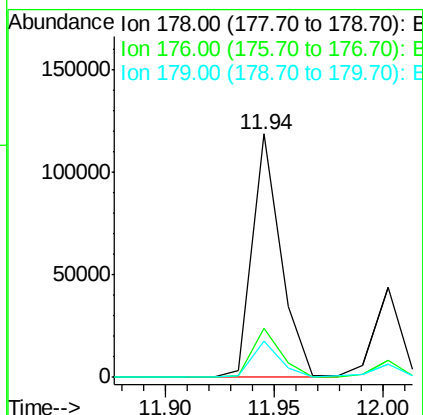
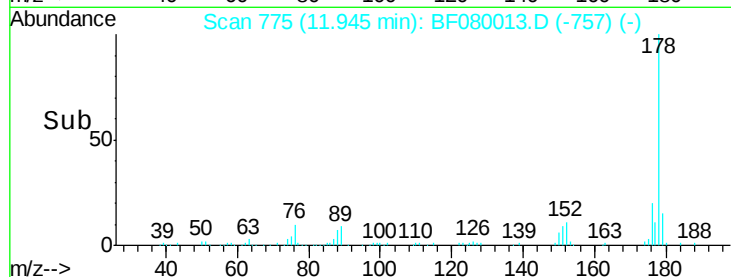
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	14.9	12.3	18.5

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#71

Anthracene

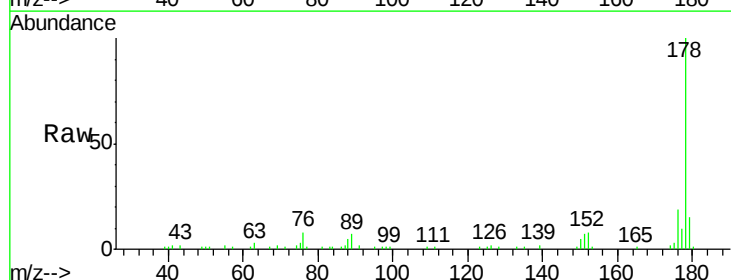
Concen: 3.32 ng

RT: 12.00 min Scan# 780

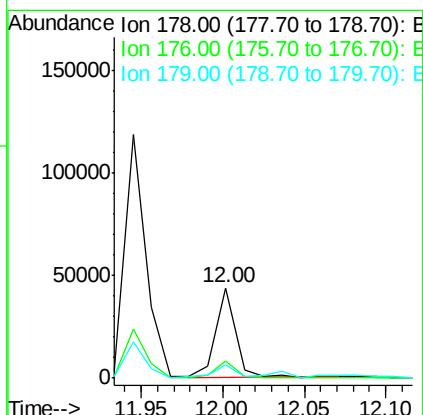
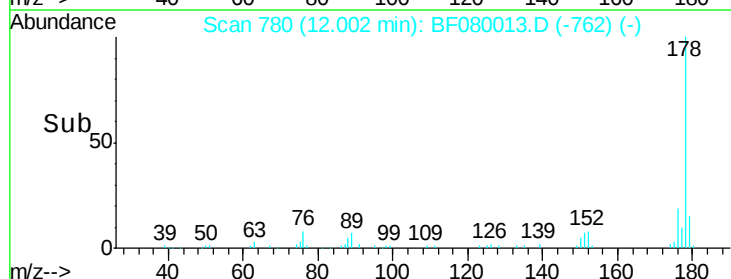
Delta R.T. 0.00 min

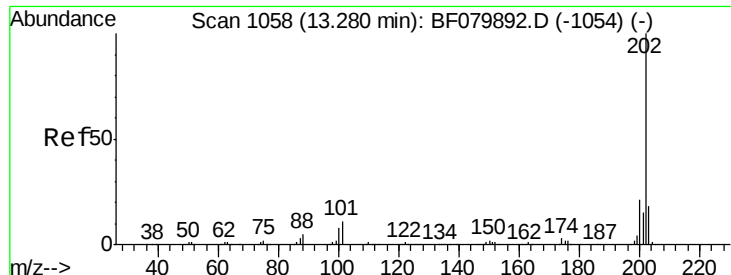
Lab File: BF080013.D

Acq: 17 Jun 2015 5:00



Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.3	12.5	18.7





#74

Fluoranthene

Concen: 16.32 ng

RT: 13.23 min Scan# 887

Delta R.T. 0.01 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

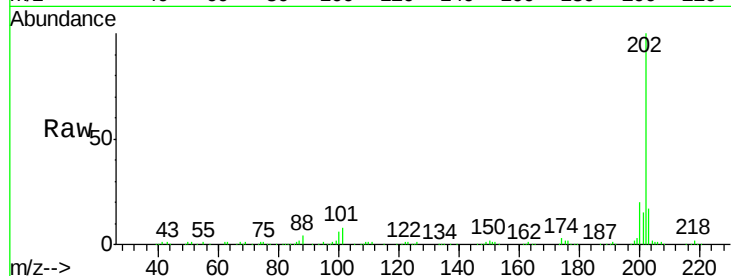
ClientSampled :

AST-HC-001

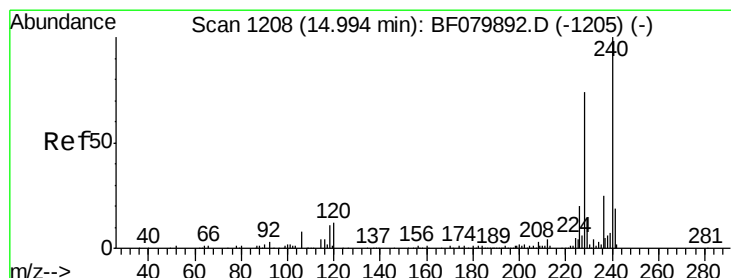
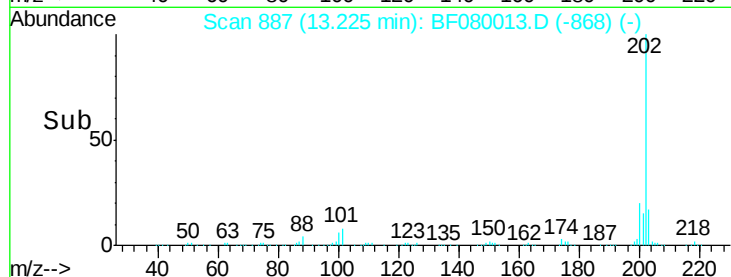
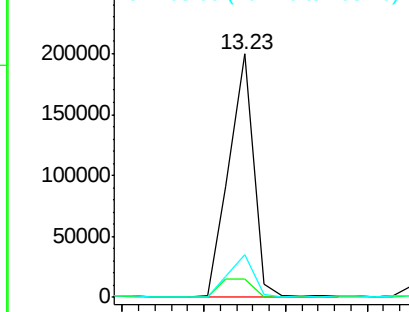
Tgt	Ion	202	Resp:	209220
Ion	Ratio	Lower	Upper	
202	100			
101	7.7	0.0	30.7	
203	17.3	0.0	38.0	

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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

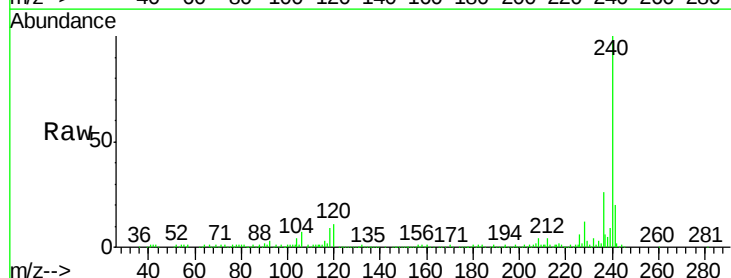
RT: 14.93 min Scan# 1036

Delta R.T. 0.02 min

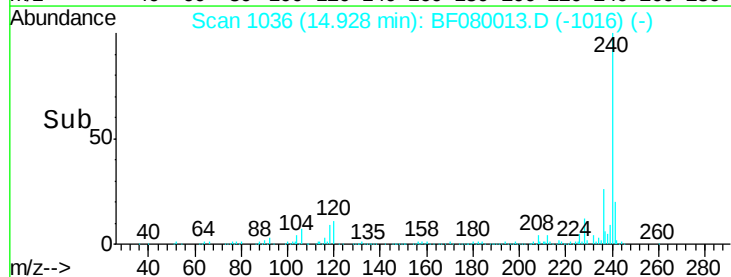
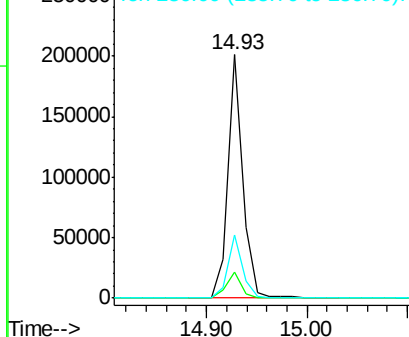
Lab File: BF080013.D

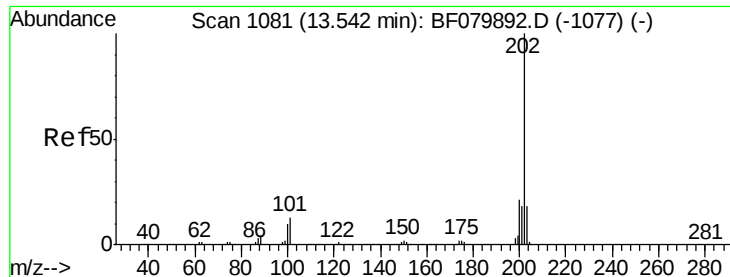
Acq: 17 Jun 2015 5:00

Tgt	Ion	240	Resp:	207129
Ion	Ratio	Lower	Upper	
240	100			
120	10.8	9.4	14.2	
236	25.9	19.6	29.4	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 18.52 ng

RT: 13.49 min Scan# 910

Delta R.T. 0.01 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

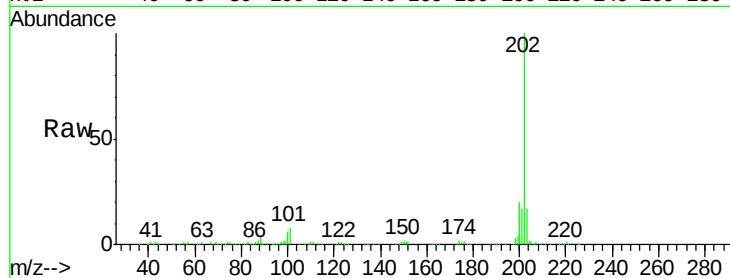
ClientSampleId :

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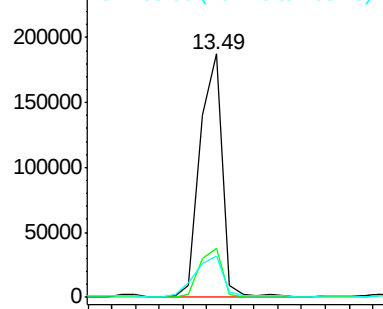
Tgt Ion:	202	Resp:	240885
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.8	25.2
203	16.9	14.4	21.6

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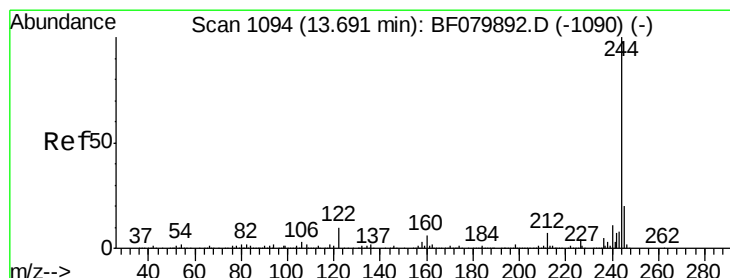
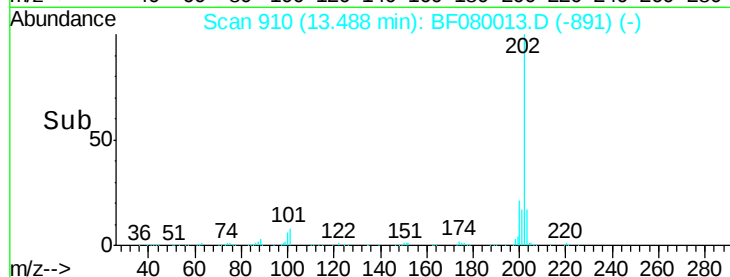
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 72.45 ng

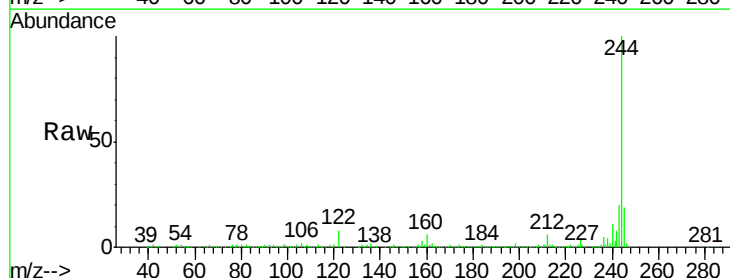
RT: 13.64 min Scan# 923

Delta R.T. 0.01 min

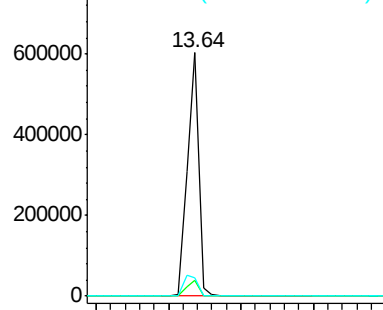
Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

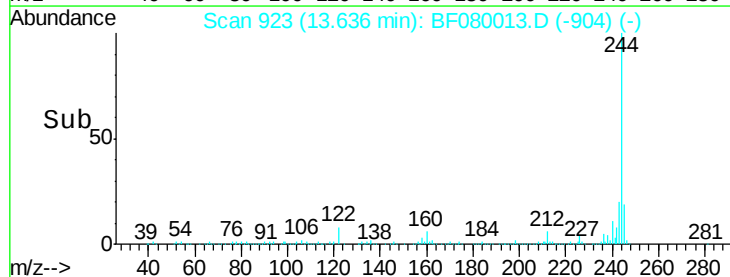
Tgt Ion:	244	Resp:	650879
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.2
122	7.6	7.8	11.8#

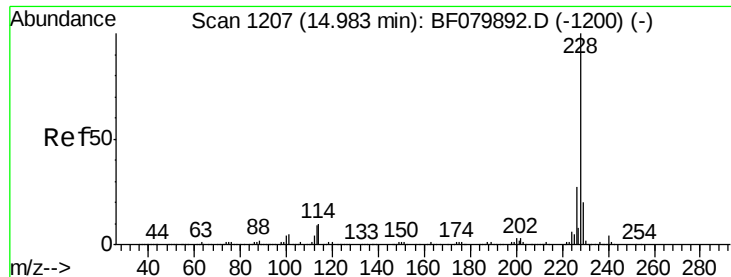


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 10.14 ng

RT: 14.92 min Scan# 1035

Delta R.T. 0.02 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

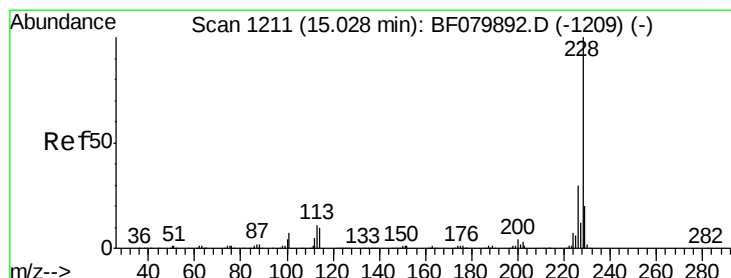
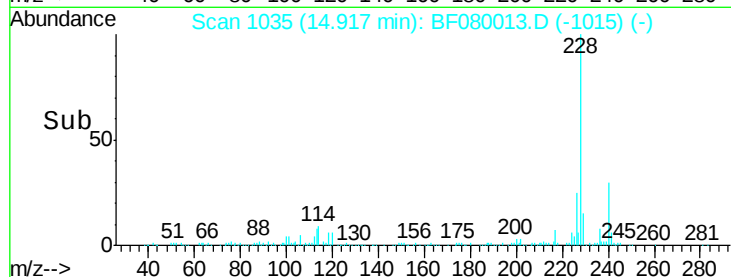
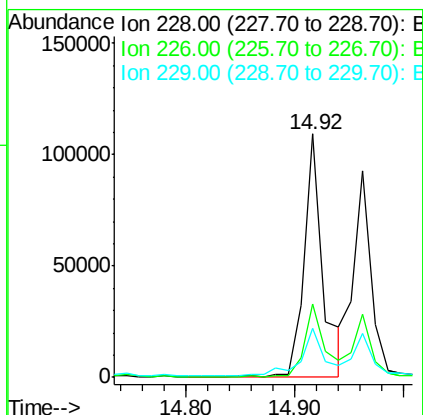
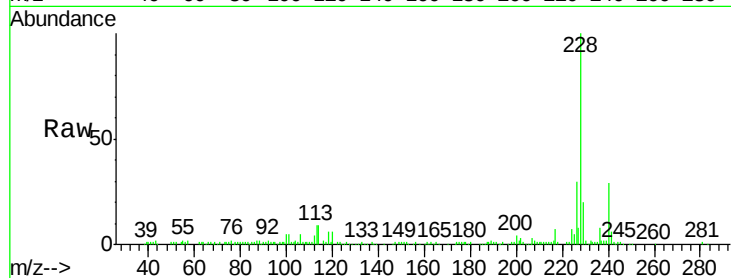
ClientSampleId :

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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	30.0	21.8	32.8	
229	19.9	15.9	23.9	

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#82

Chrysene

Concen: 8.18 ng

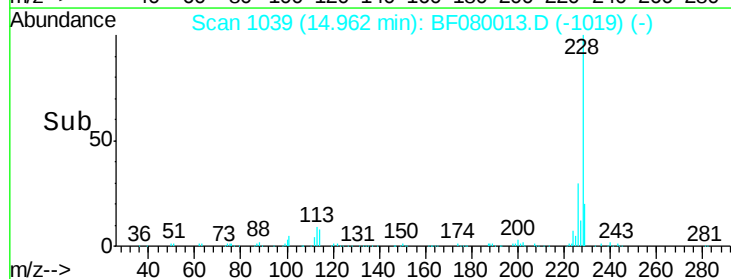
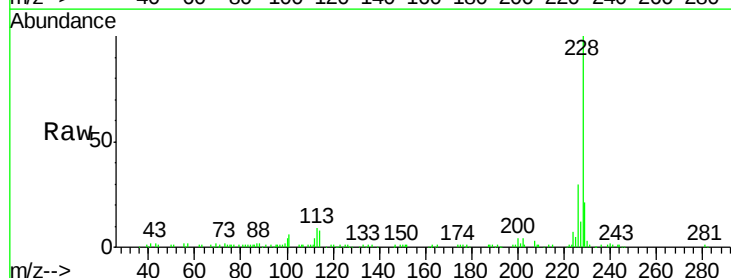
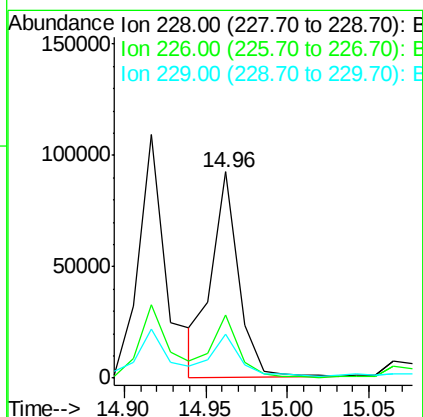
RT: 14.96 min Scan# 1039

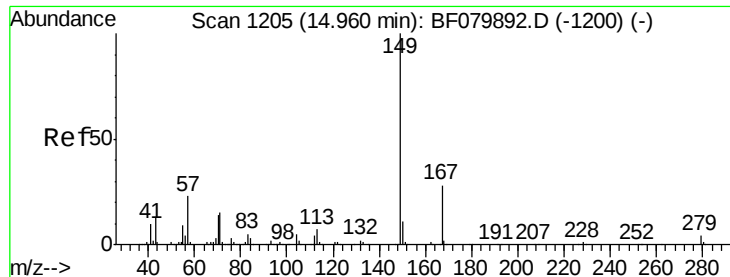
Delta R.T. 0.02 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	30.5	23.9	35.9	
229	21.4	16.1	24.1	





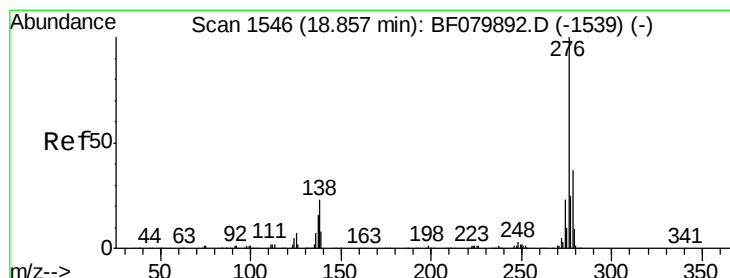
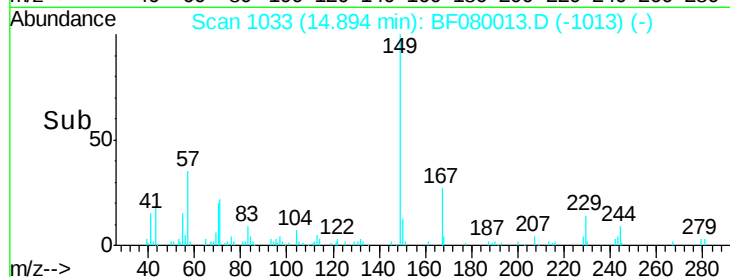
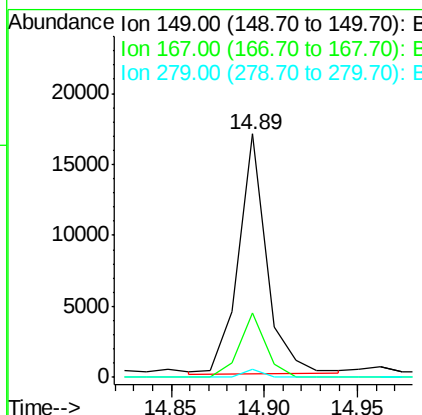
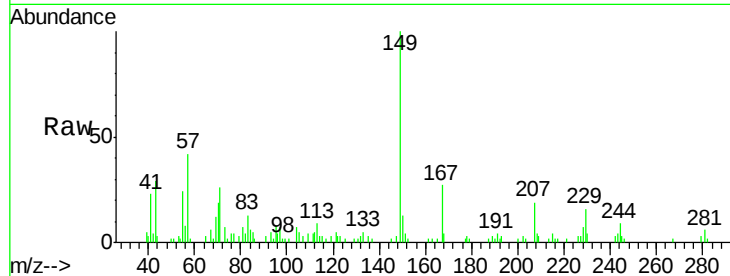
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.56 ng
 RT: 14.89 min Scan# 1033
 Delta R.T. 0.02 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-001

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	26.6	22.2	33.4
279	3.3	3.1	4.7

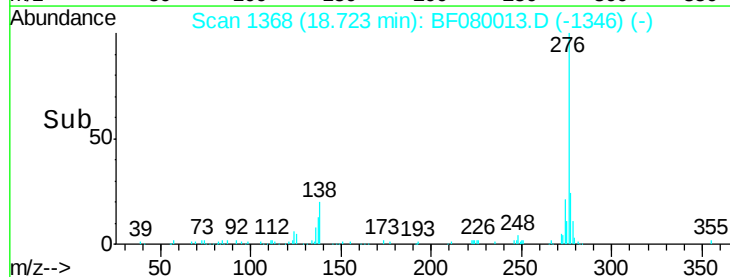
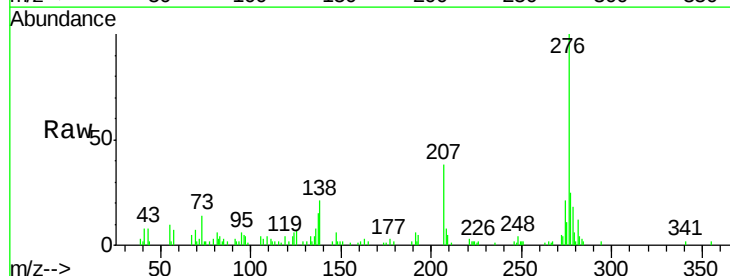
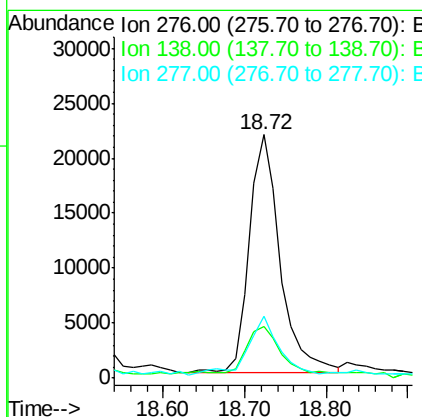
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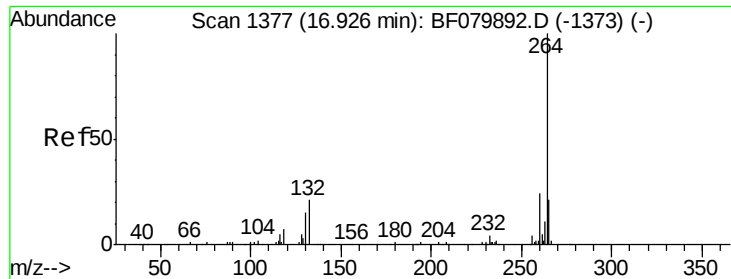
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.14 ng
 RT: 18.72 min Scan# 1368
 Delta R.T. 0.05 min
 Lab File: BF080013.D
 Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.1	21.0	31.4#
277	24.2	19.9	29.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 16.85 min Scan# 1204

Delta R.T. 0.05 min

Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Instrument :

BNA_F

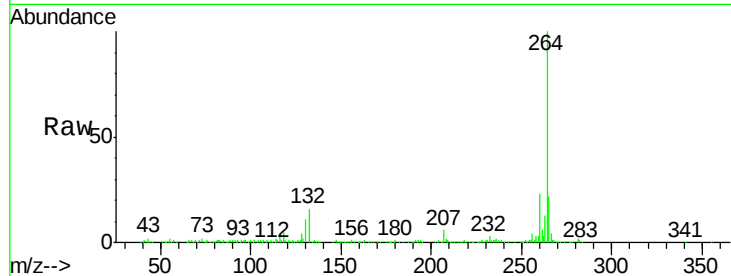
ClientSampleId :

AST-HC-001

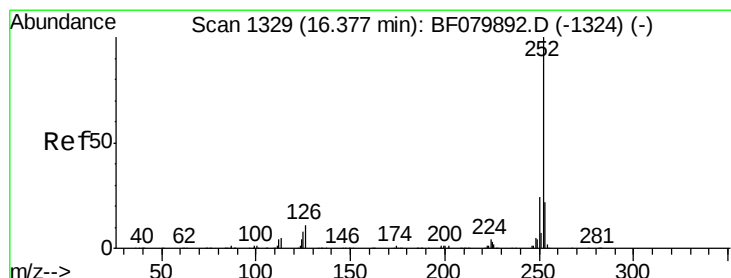
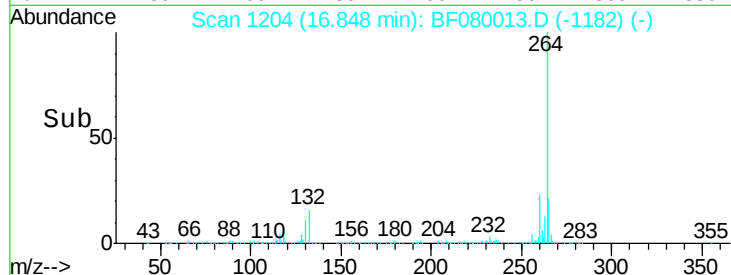
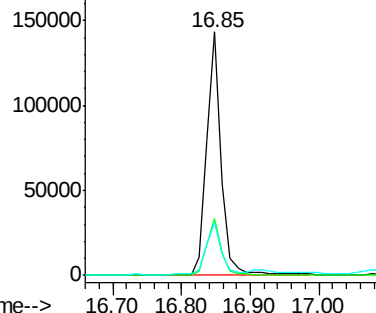
Tgt Ion:	264	Resp:	213948
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.3	28.9
265	21.7	17.0	25.6

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 10.39 ng m

RT: 16.30 min Scan# 1156

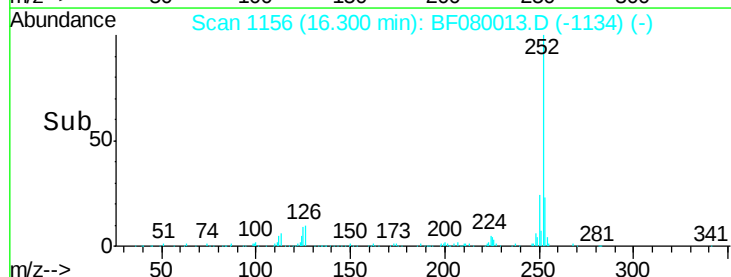
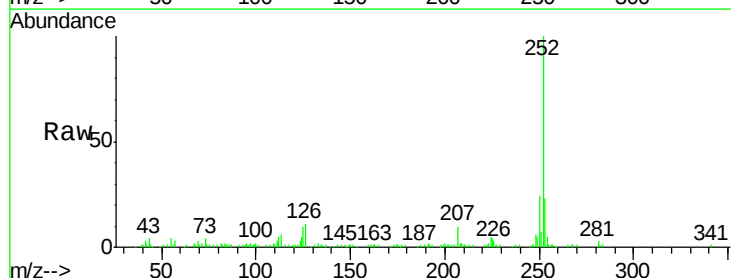
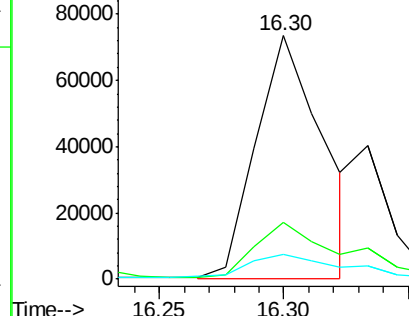
Delta R.T. 0.05 min

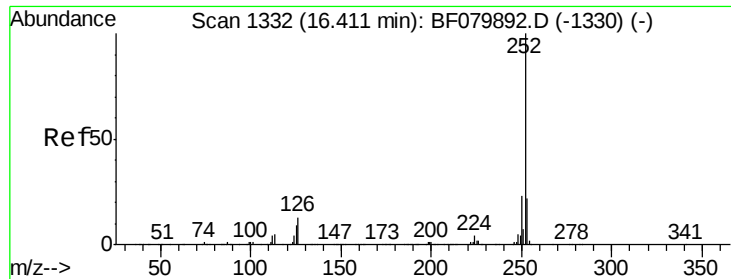
Lab File: BF080013.D

Acq: 17 Jun 2015 5:00

Tgt Ion:	252	Resp:	136223
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	10.1	6.5	9.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





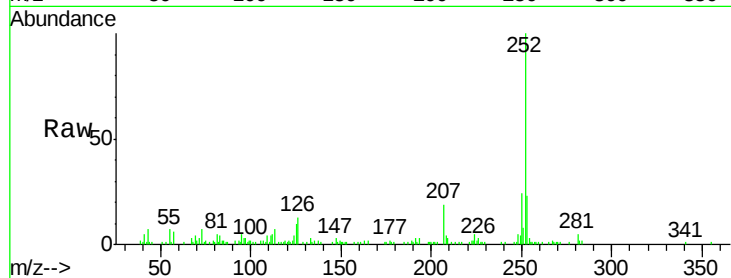
#88
Benzo(k)fluoranthene
Concen: 3.14 ng m
RT: 16.33 min Scan# 1159
Delta R.T. 0.05 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
AST-HC-001

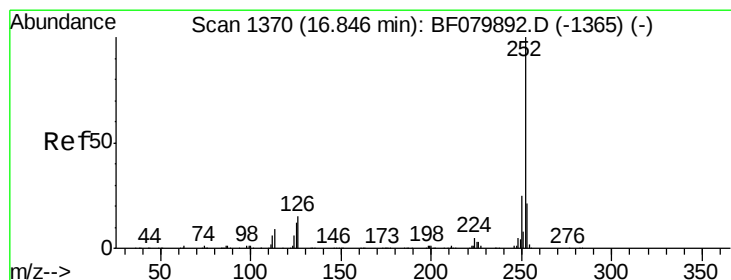
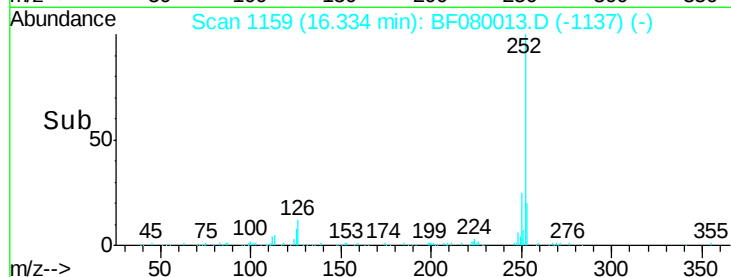
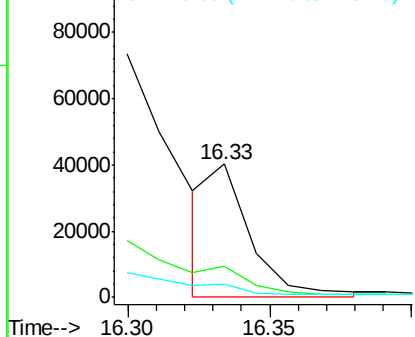
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.6	7.4	11.0

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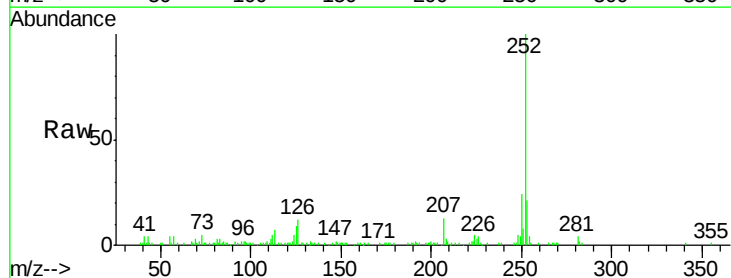


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

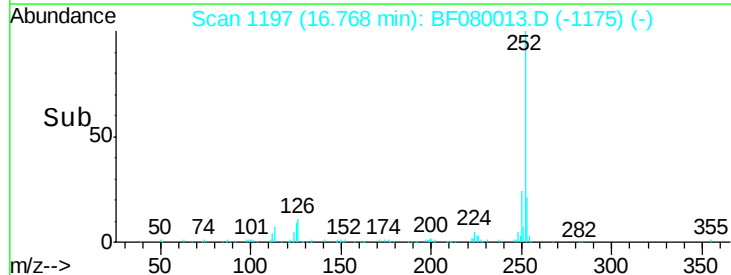
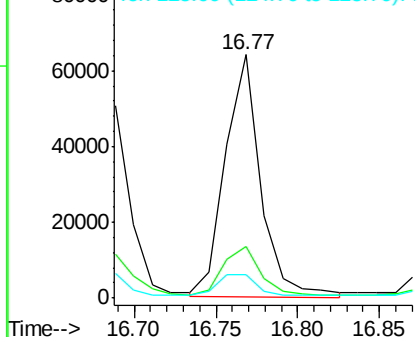


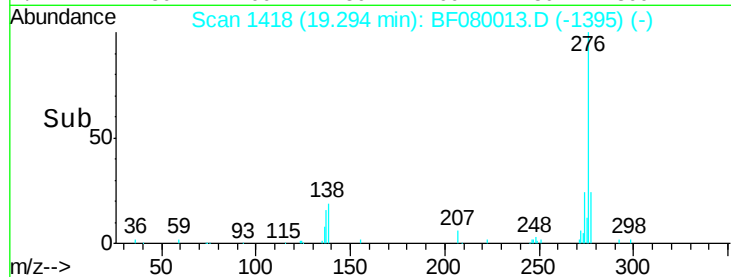
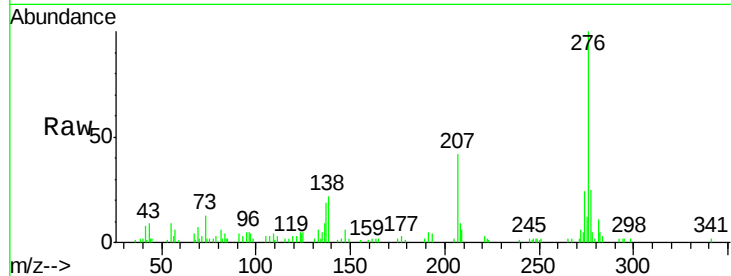
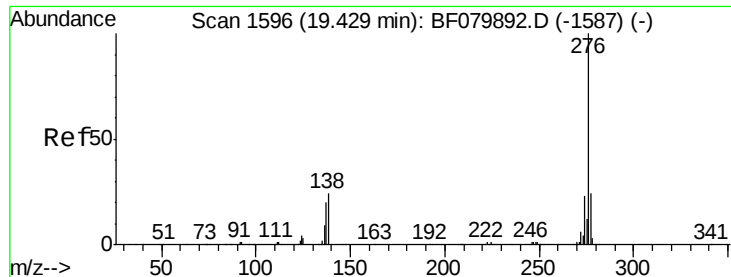
#89
Benzo(a)pyrene
Concen: 7.84 ng m
RT: 16.77 min Scan# 1197
Delta R.T. 0.05 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	9.5	9.7	14.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
Benzo(g,h,i)perylene
Concen: 4.76 ng
RT: 19.29 min Scan# 1418
Delta R.T. 0.06 min
Lab File: BF080013.D
Acq: 17 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.2
138	22.3	19.1	28.7

Instrument :
BNA_F
ClientSampleId :
AST-HC-001

Manual Integrations
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