

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088340.D
 Acq On : 24 Jun 2016 19:22
 Operator : UM/SJ
 Sample : H3599-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1432(0-4)

Manual Integrations
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Quant Time: Jun 25 04:23:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 25 04:10:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	85000	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	334643	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	147838	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	247661	20.00	ng	0.00
75) Chrysene-d12	13.73	240	155839	20.00	ng	0.00
86) Perylene-d12	15.09	264	167598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	593582	119.38	ng	0.01
7) Phenol-d6	6.25	99	775187	128.65	ng	-0.01
23) Nitrobenzene-d5	7.16	82	510488	89.08	ng	0.00
41) 2,4,6-Tribromophenol	10.41	330	171825	110.07	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	790931	83.98	ng	-0.01
78) Terphenyl-d14	12.67	244	488591	71.34	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.15	77	10697	2.58	ng	92
48) Acenaphthylene	9.47	152	73542	4.83	ng	99
49) Dimethylphthalate	9.35	163	102396	9.56	ng	100
70) Phenanthrene	11.12	178	116676	8.98	ng	97
71) Anthracene	11.16	178	87869	6.70	ng	98
72) Carbazole	11.34	167	33726	2.75	ng	99
74) Fluoranthene	12.30	202	478580	34.90	ng	98
77) Pyrene	12.53	202	454661	39.32	ng	99
79) Butylbenzylphthalate	13.15	149	12987	2.54	ng	98
80) Benzo(a)anthracene	13.71	228	270460m	30.46	ng	
82) Chrysene	13.75	228	250642m	30.00	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	117164	15.09	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	386848m	33.12	ng	
88) Benzo(k)fluoranthene	14.73	252	105700m	12.00	ng	
89) Benzo(a)pyrene	15.03	252	188223	19.92	ng	97
90) Dibenzo(a,h)anthracene	16.33	278	34319	3.91	ng	92
91) Benzo(g,h,i)perylene	16.70	276	90930	10.07	ng	97

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

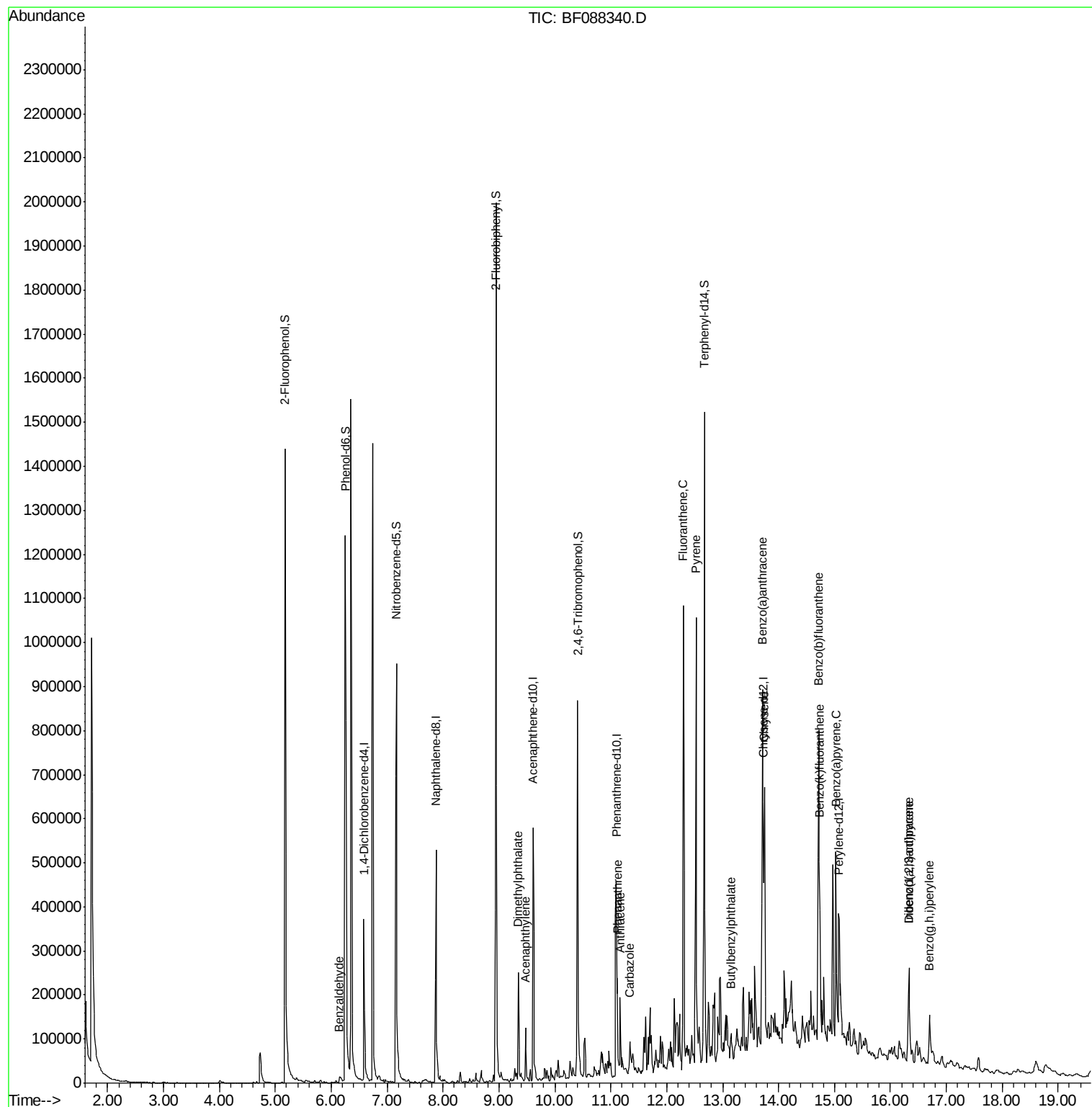
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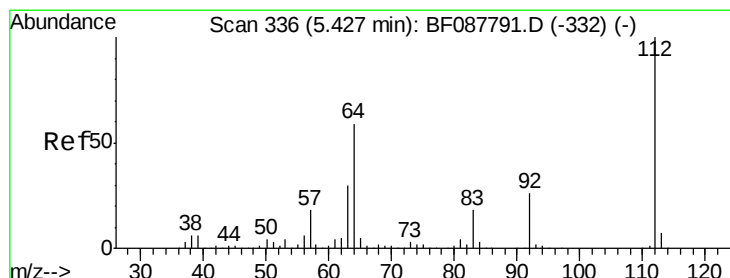
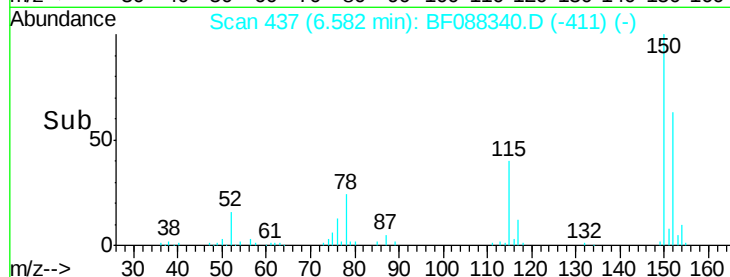
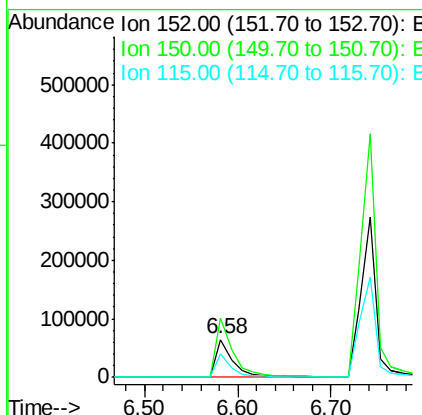
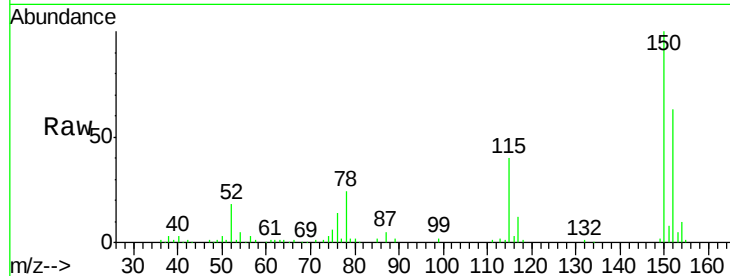
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.58 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: BF088340.D
 Acq: 24 Jun 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1432(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.8	185.6
115	62.7	39.6	59.4

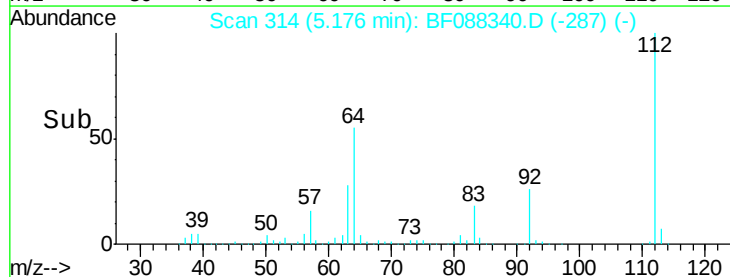
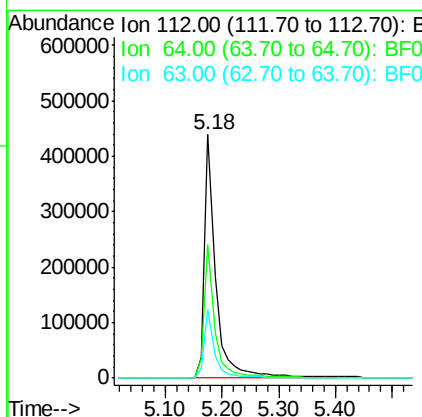
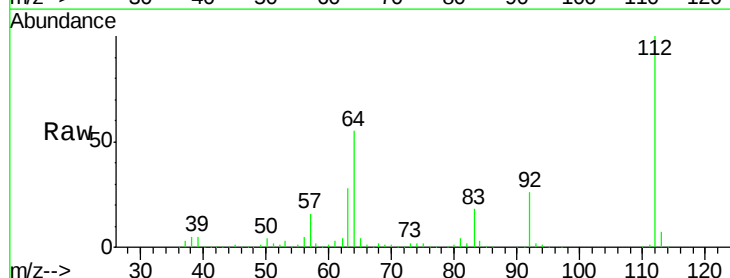
Manual Integrations
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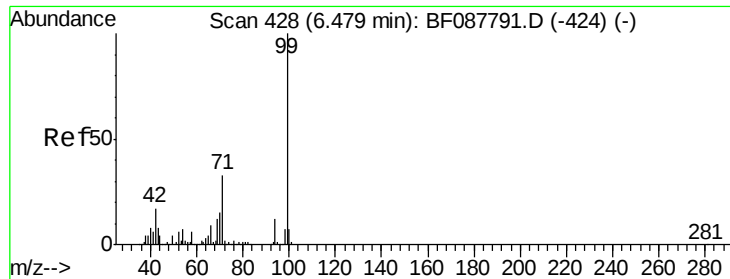
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#5
 2-Fluorophenol
 Concen: 119.38 ng
 RT: 5.18 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: BF088340.D
 Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.2	63.2
63	28.3	21.8	32.8





#7

Phenol-d6

Concen: 128.65 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088340.D

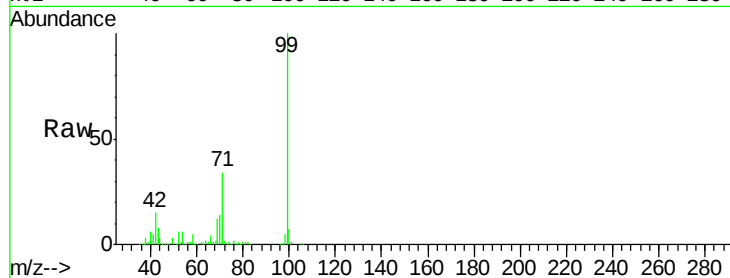
Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

ClientSampleId :

PM-STA-1432(0-4)



Tgt Ion: 99 Resp: 775187

Ion Ratio Lower Upper

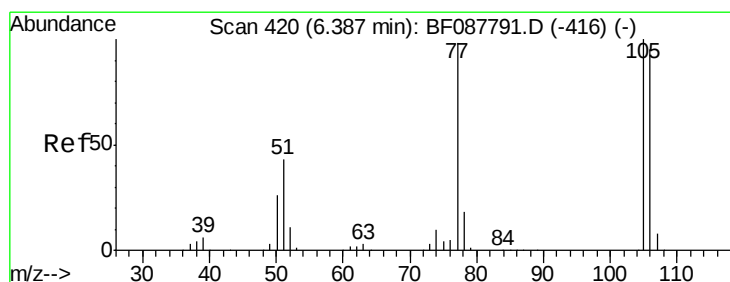
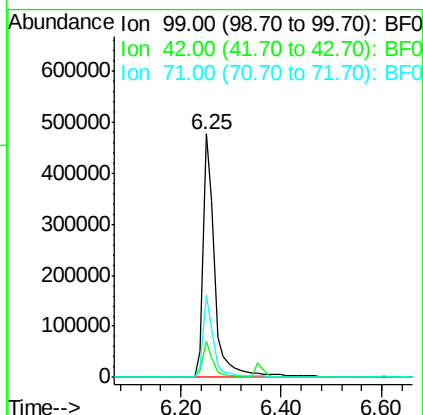
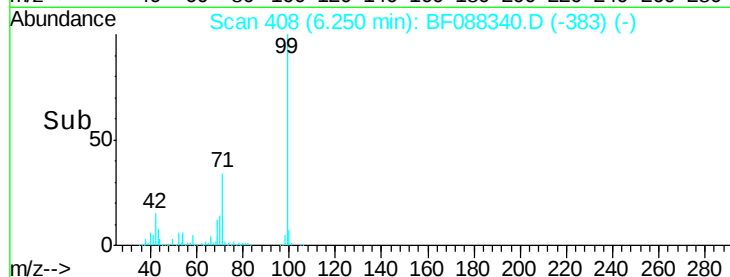
99 100

42 15.1 12.2 18.2

71 34.0 23.4 35.0

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#9

Benzaldehyde

Concen: 2.58 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

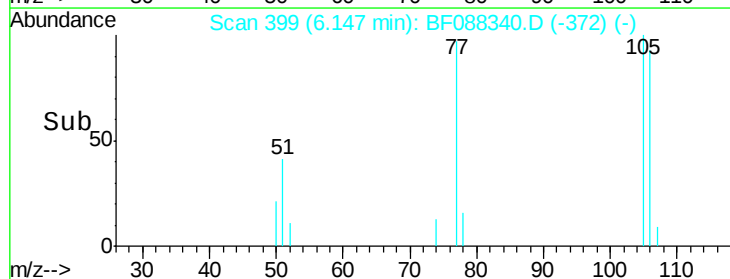
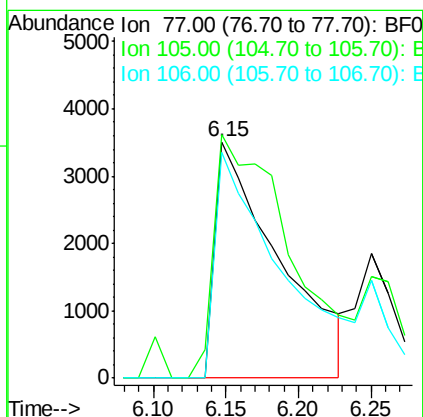
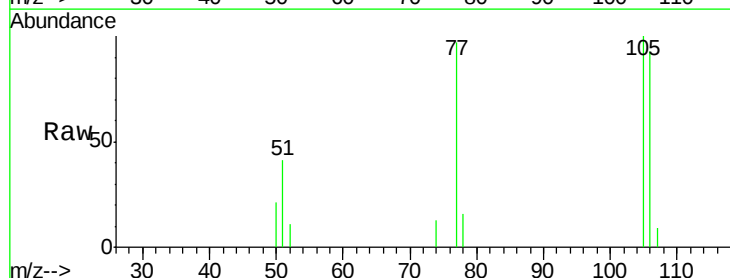
Tgt Ion: 77 Resp: 10697

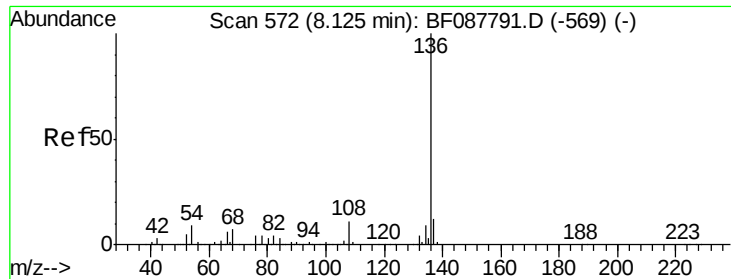
Ion Ratio Lower Upper

77 100

105 103.2 90.6 130.6

106 95.5 85.3 125.3





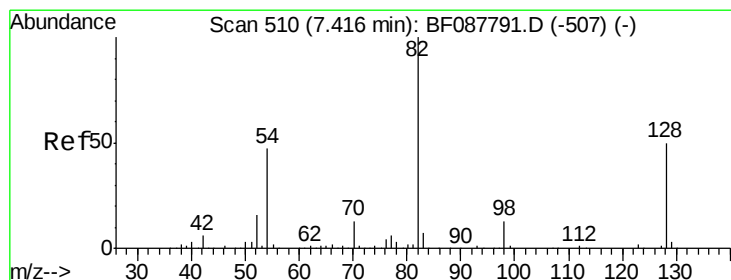
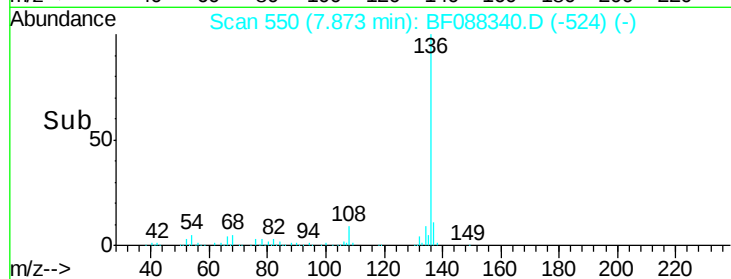
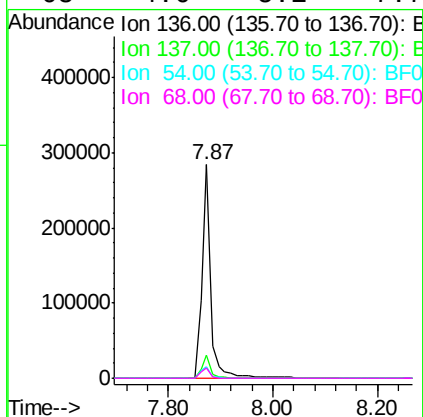
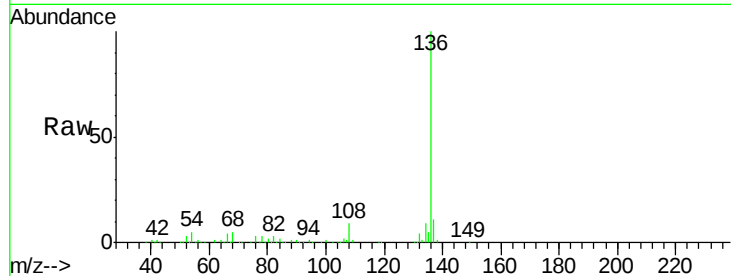
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Instrument :
BNA_F
ClientSampleId :
PM-STA-1432(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	334643		
137	10.7	9.1	13.7	
54	5.2	6.6	10.0	
68	4.6	5.1	7.7	

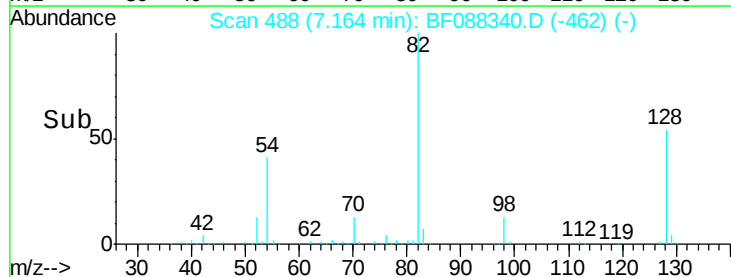
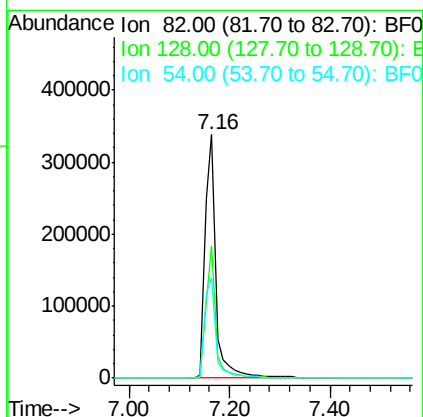
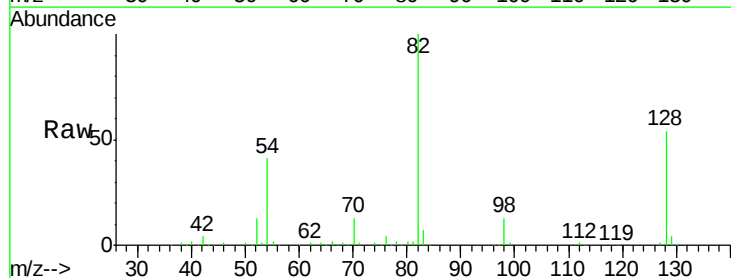
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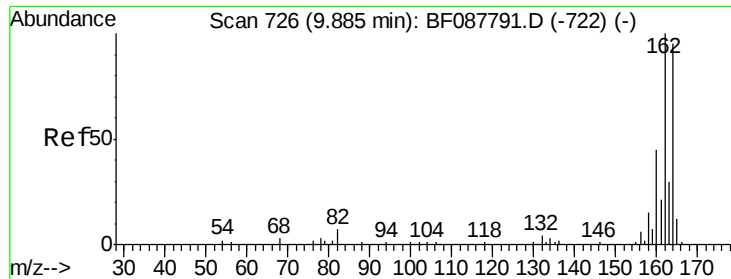
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#23
Nitrobenzene-d5
Concen: 89.08 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.00 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	510488		
128	54.3	35.9	53.9	
54	41.2	40.9	61.3	





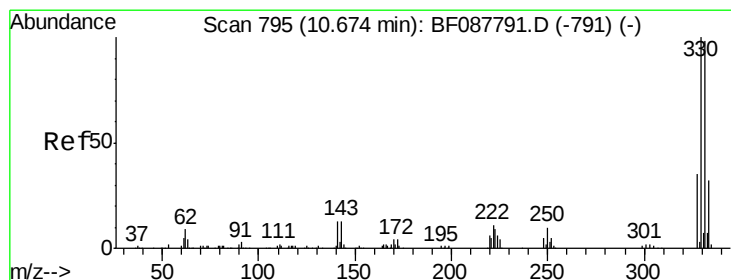
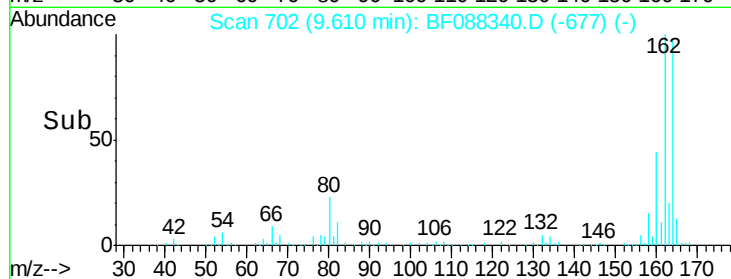
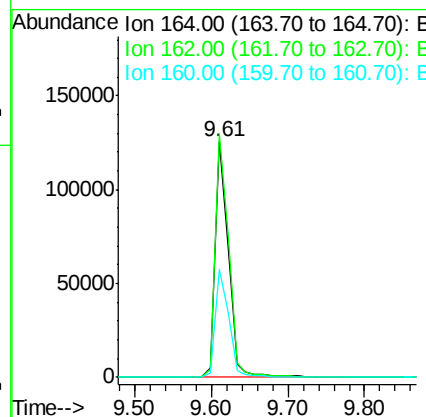
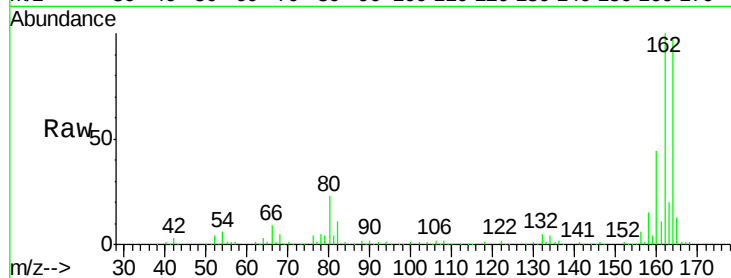
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Instrument :
BNA_F
ClientSampleId :
PM-STA-1432(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147838		
162	103.4	85.4	128.2	
160	45.8	39.5	59.3	

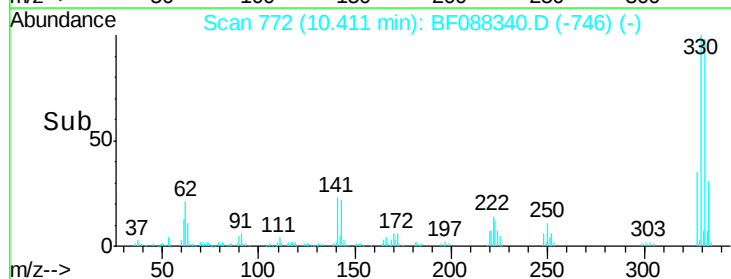
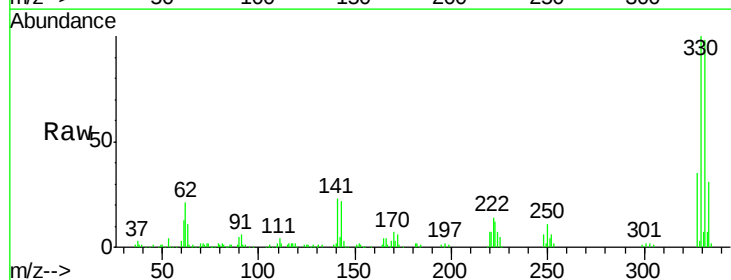
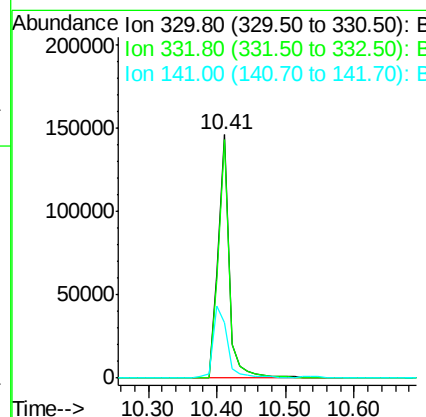
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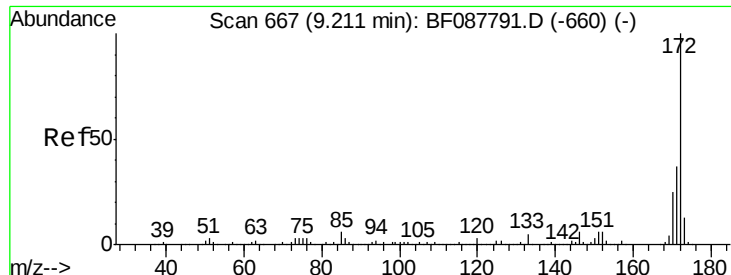
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#41
2,4,6-Tribromophenol
Concen: 110.07 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.00 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	171825		
332	97.5	0.0	0.0#	
141	36.7	0.0	0.0#	





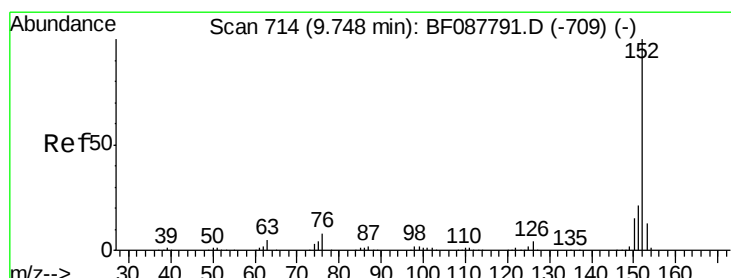
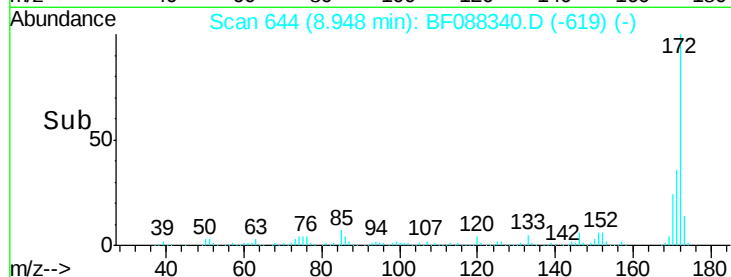
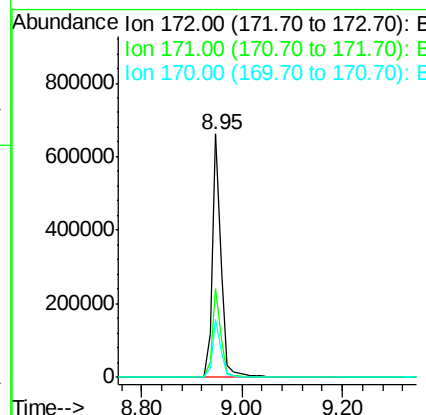
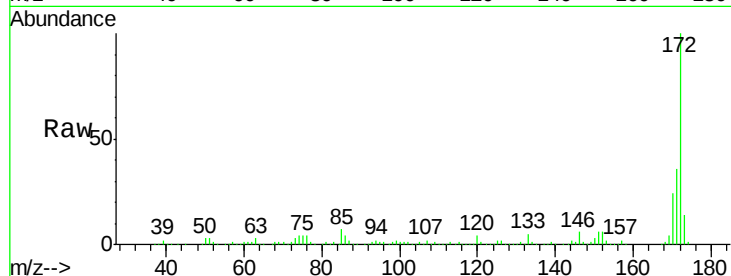
#44
 2-Fluorobiphenyl
 Concen: 83.98 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF088340.D
 Acq: 24 Jun 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1432(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	790931		
171	36.2	28.6	43.0	
170	24.1	19.2	28.8	

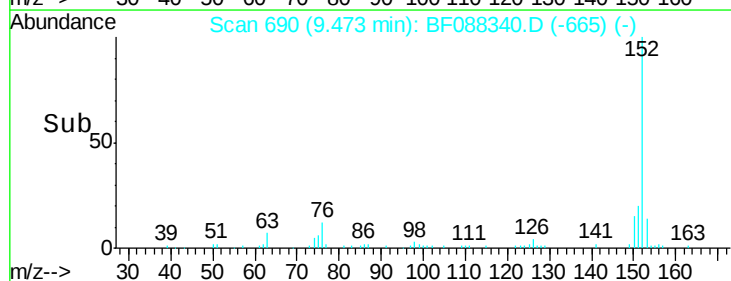
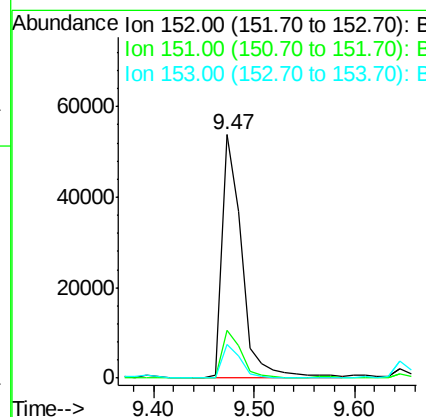
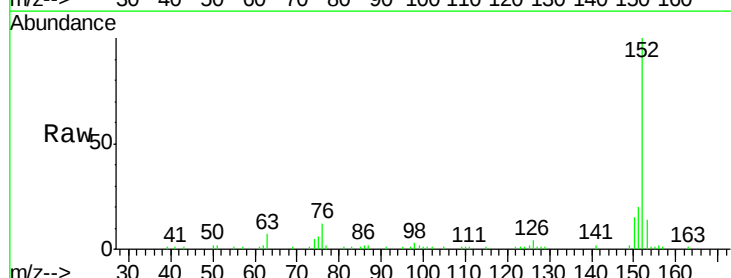
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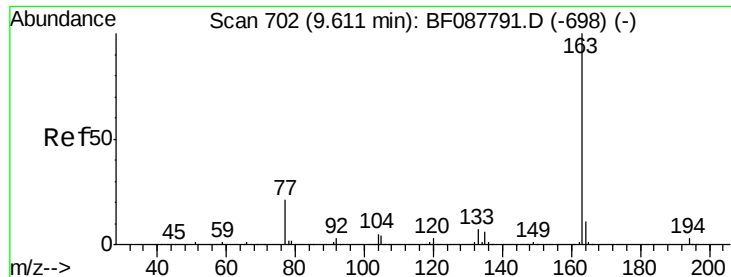
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#48
 Acenaphthylene
 Concen: 4.83 ng
 RT: 9.47 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF088340.D
 Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	73542		
151	19.6	16.2	24.4	
153	13.7	11.0	16.6	





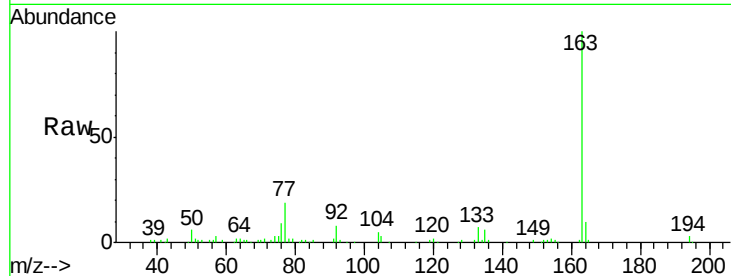
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Dimethylphthalate
Concen: 9.56 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.02 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Instrument :
BNA_F
ClientSampleId :
PM-STA-1432(0-4)

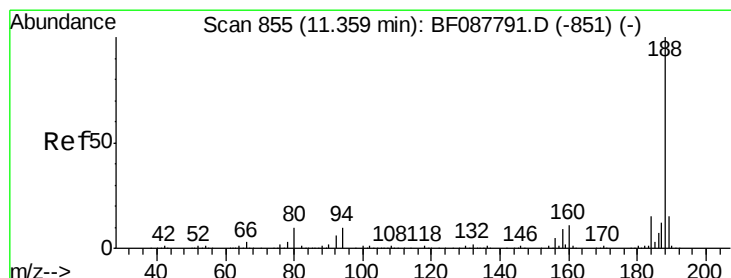
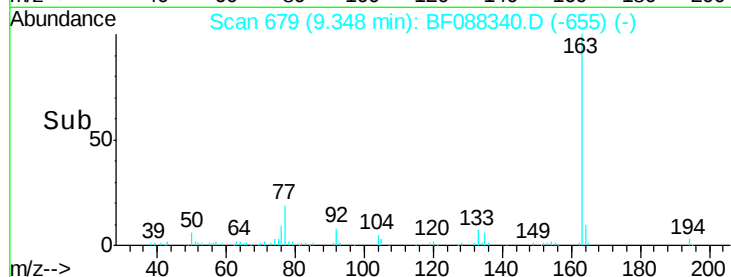
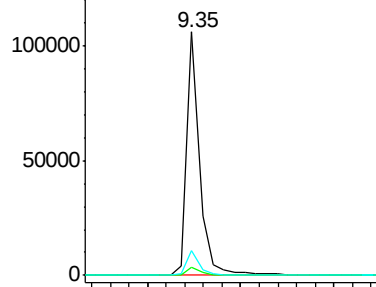
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	102396		
194	3.4	2.8	4.2	
164	10.4	8.3	12.5	

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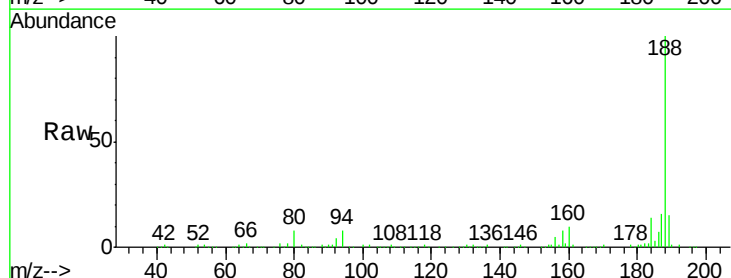


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

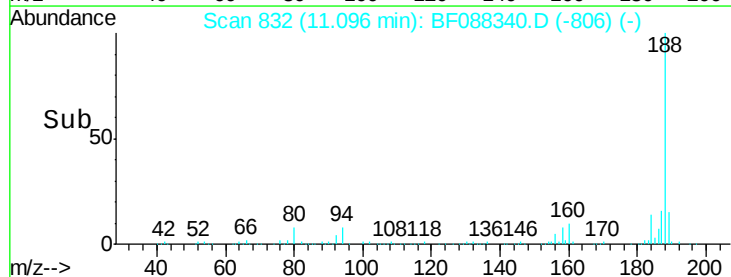
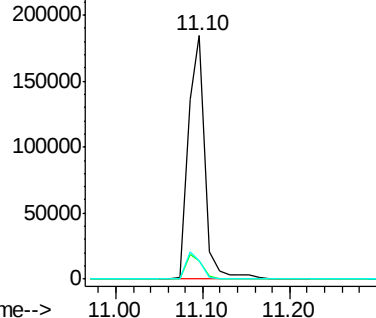


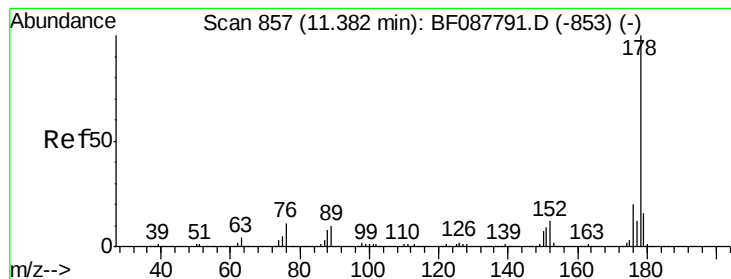
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	247661		
94	7.8	9.0	13.6#	
80	7.6	10.0	15.0#	



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: 8.98 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

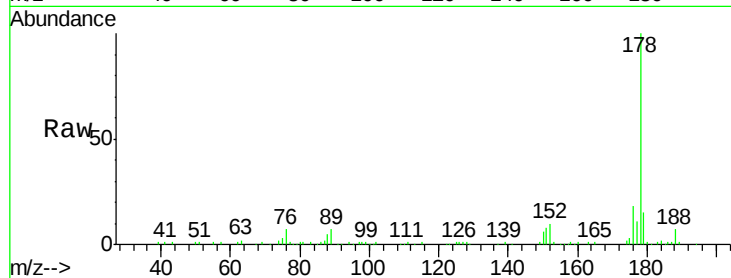
ClientSampleId :

PM-STA-1432(0-4)

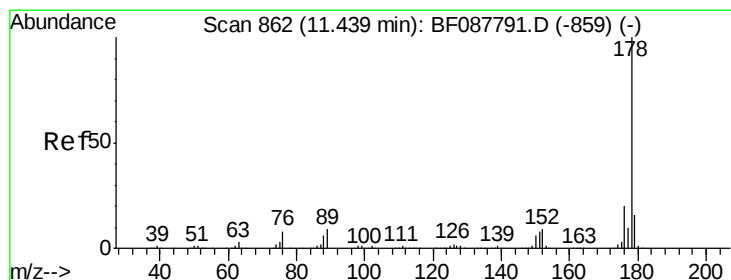
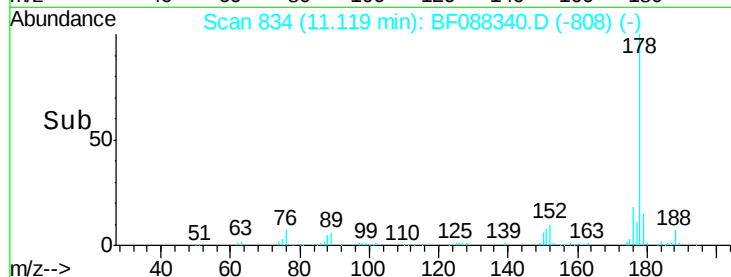
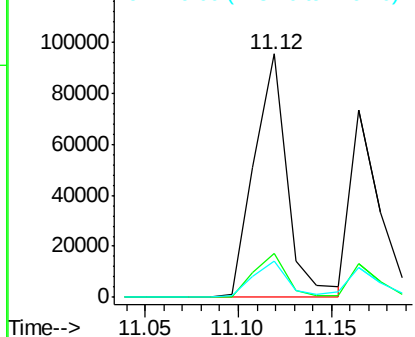
Tgt Ion:	178	Resp:	116676
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.8	23.6
179	15.1	13.0	19.4

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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



#71

Anthracene

Concen: 6.70 ng

RT: 11.16 min Scan# 838

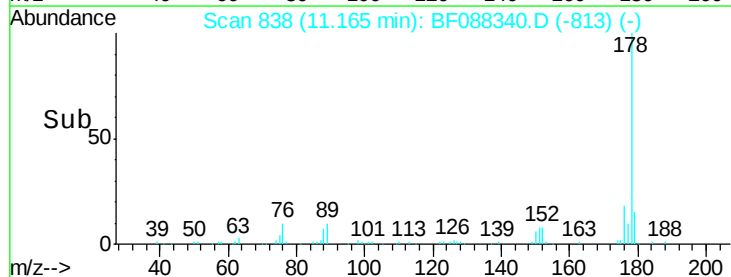
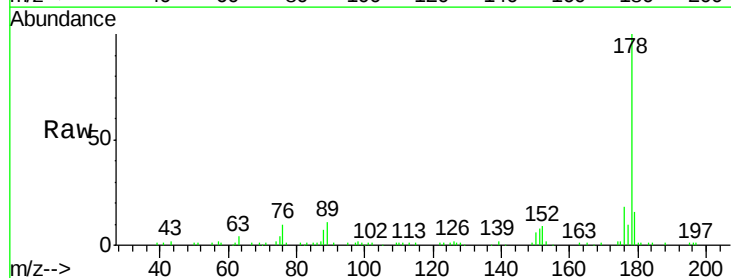
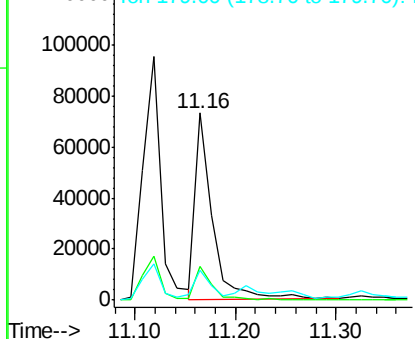
Delta R.T. -0.01 min

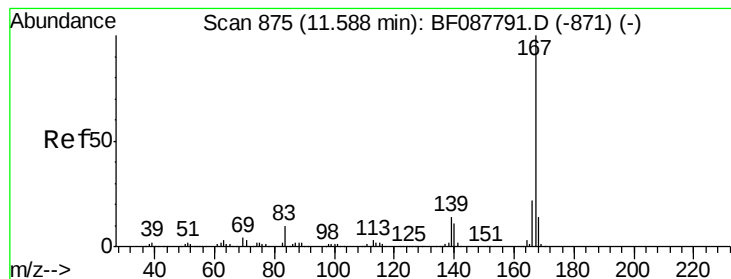
Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Tgt Ion:	178	Resp:	87869
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.6	23.4
179	15.7	12.8	19.2

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





#72

Carbazole

Concen: 2.75 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF088340.D

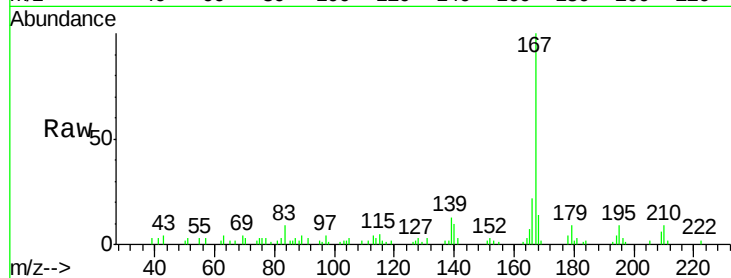
Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

ClientSampleId :

PM-STA-1432(0-4)



Tgt Ion:167 Resp: 33726

Ion Ratio Lower Upper

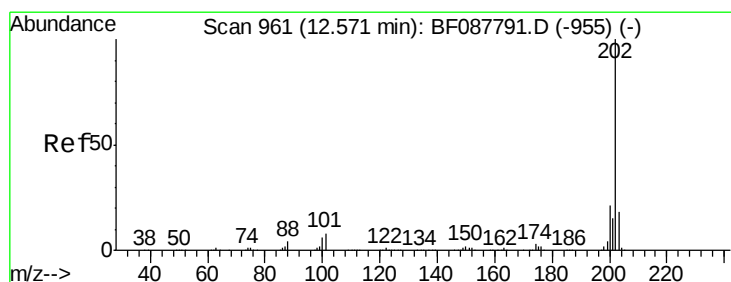
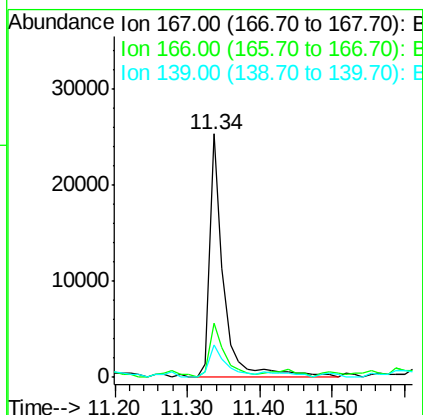
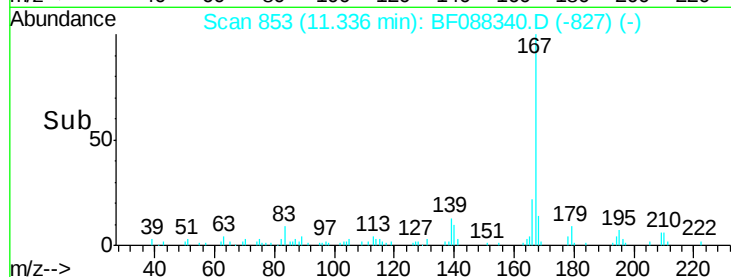
167 100

166 22.1 17.8 26.6

139 13.4 11.2 16.8

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#74

Fluoranthene

Concen: 34.90 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

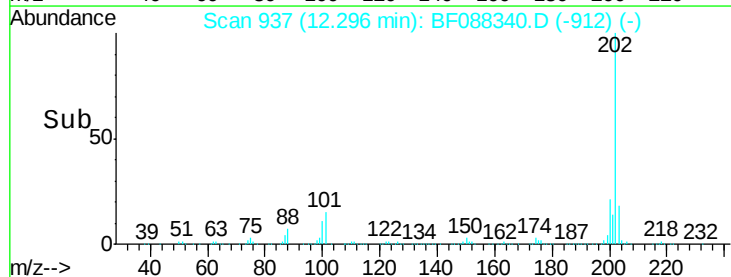
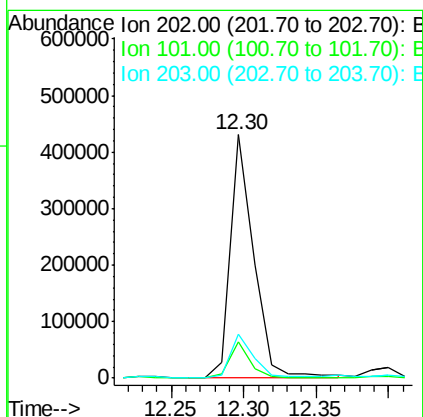
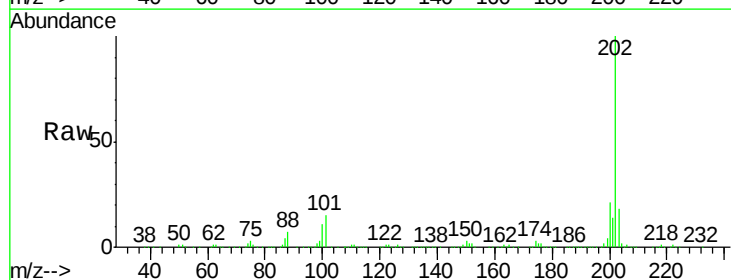
Tgt Ion:202 Resp: 478580

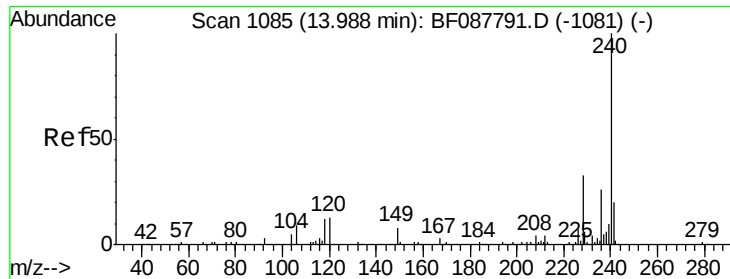
Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.1

203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

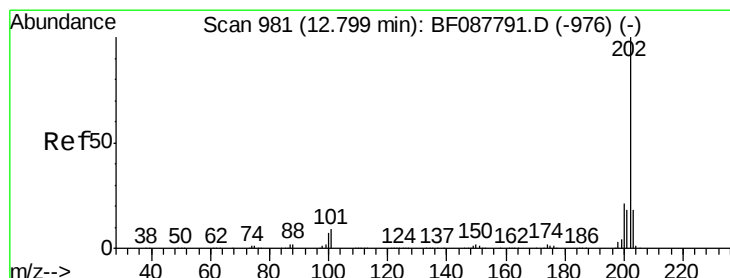
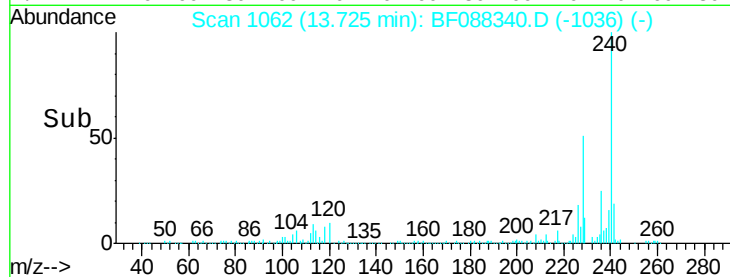
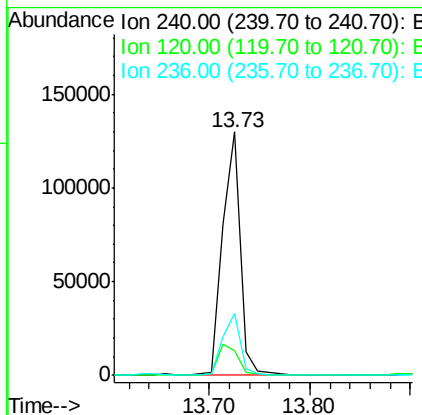
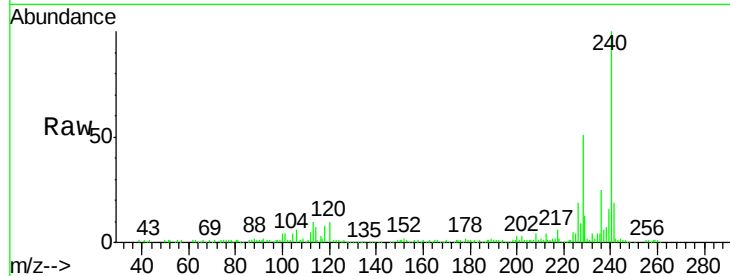
ClientSampleId :

PM-STA-1432(0-4)

Tgt Ion:	240	Resp:	155839
Ion Ratio	Lower	Upper	
240	100		
120	9.9	6.8	10.2
236	25.3	20.2	30.2

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#77

Pyrene

Concen: 39.32 ng

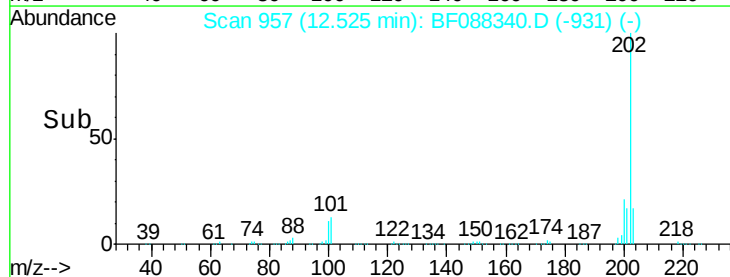
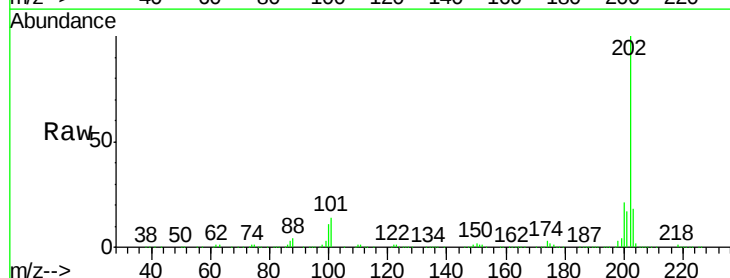
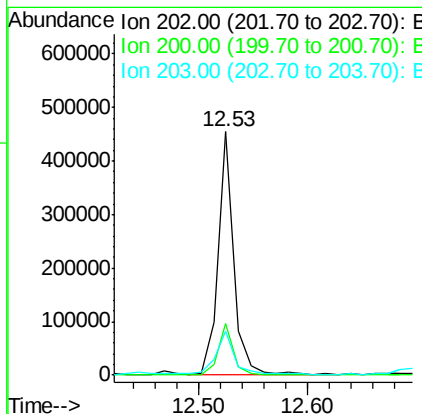
RT: 12.53 min Scan# 957

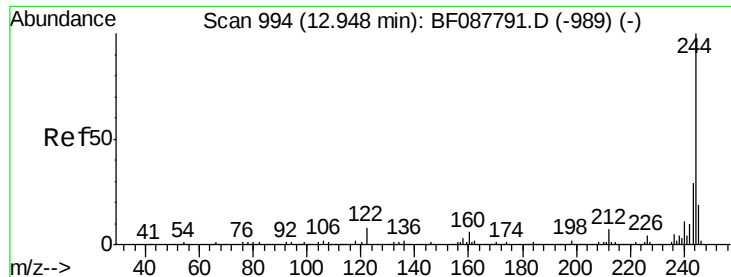
Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Tgt Ion:	202	Resp:	454661
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.8	14.5	21.7





#78

Terphenyl-d14

Concen: 71.34 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

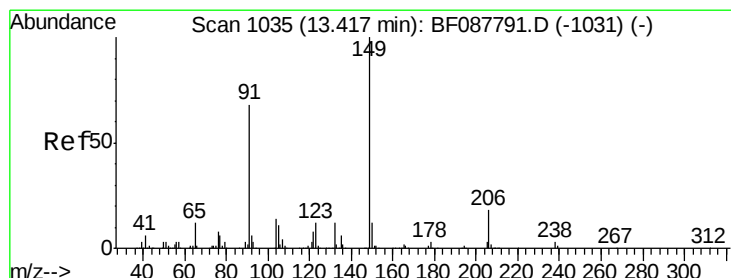
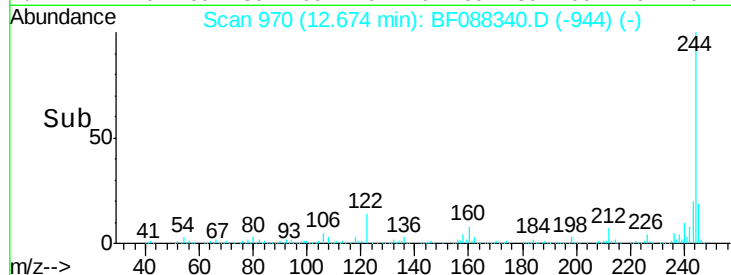
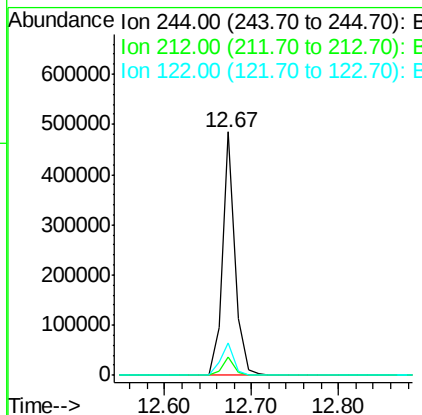
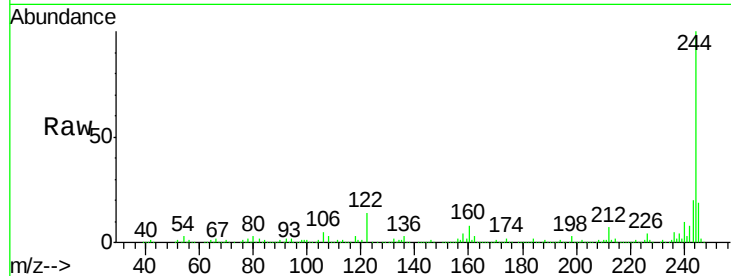
ClientSampleId :

PM-STA-1432(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	488591		
212	7.4	6.0	9.0	
122	13.5	11.2	16.8	

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#79

Butylbenzylphthalate

Concen: 2.54 ng

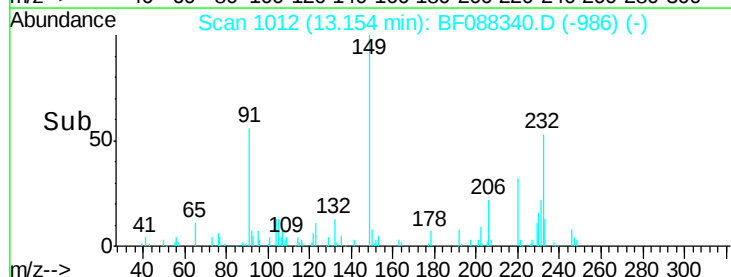
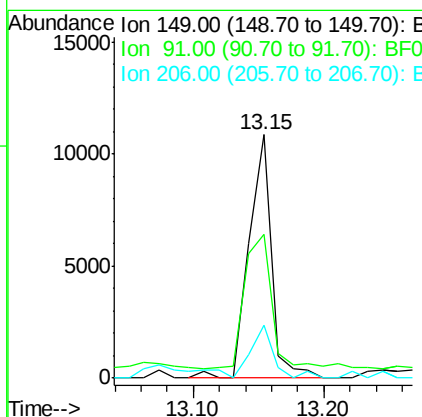
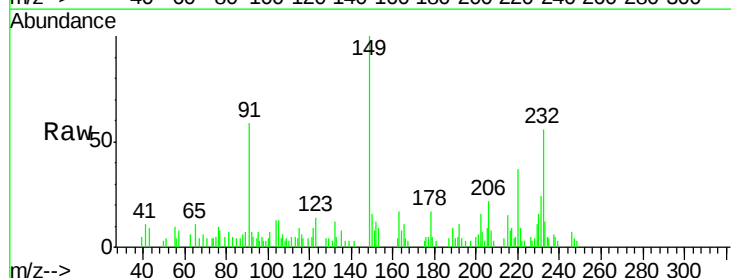
RT: 13.15 min Scan# 1012

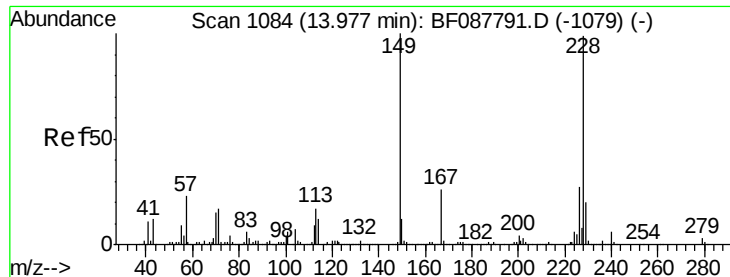
Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	12987		
91	59.0	48.0	72.0	
206	21.6	16.0	24.0	





#80

Benzo(a)anthracene

Concen: 30.46 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

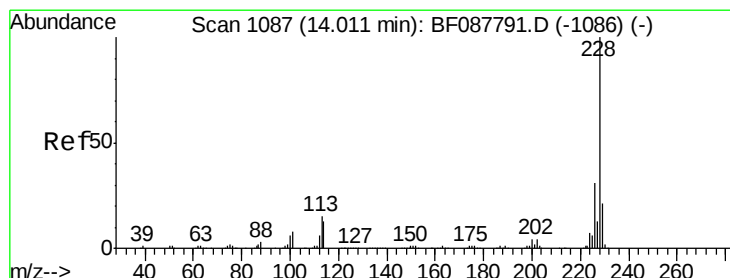
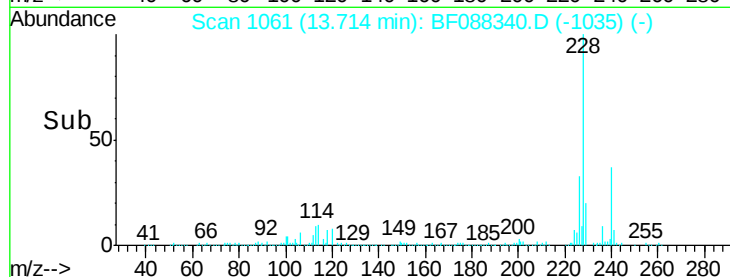
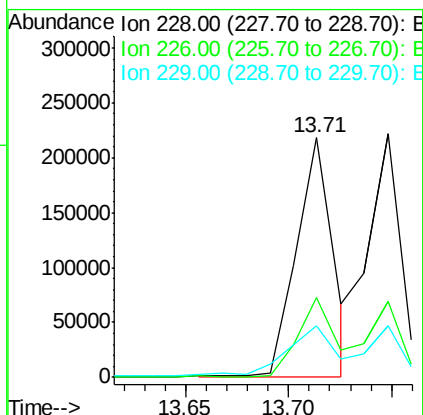
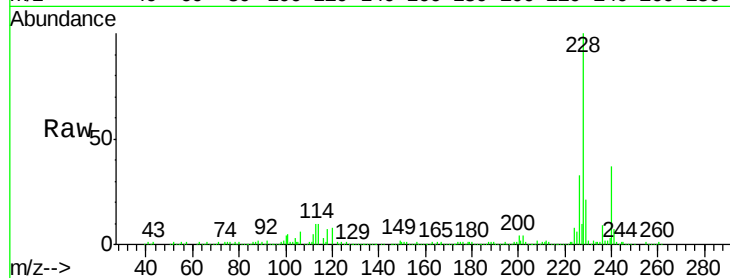
ClientSampleId :

PM-STA-1432(0-4)

Tgt Ion:	228	Resp:	270460
Ion Ratio	Lower	Upper	
228	100		
226	33.2	22.3	33.5
229	21.4	16.0	24.0

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#82

Chrysene

Concen: 30.00 ng m

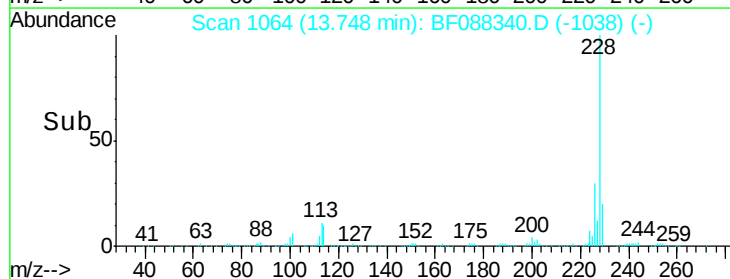
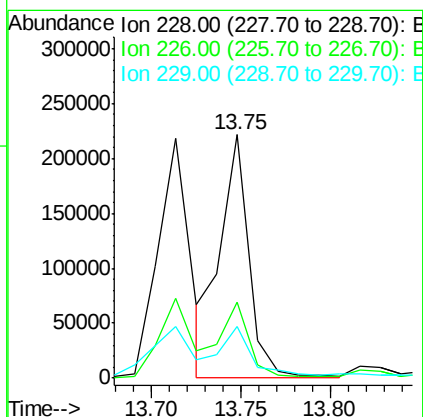
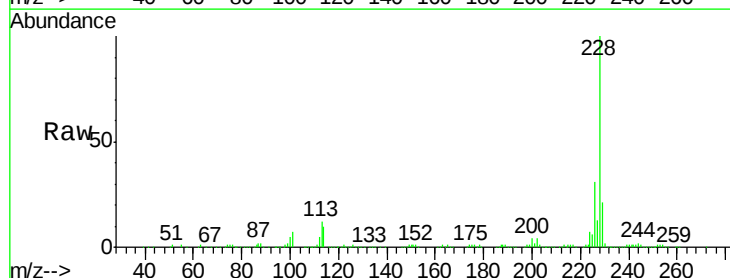
RT: 13.75 min Scan# 1064

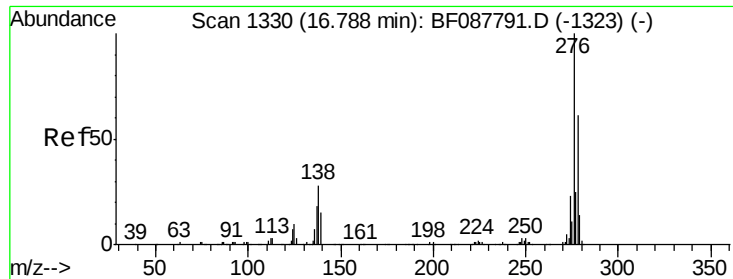
Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Tgt Ion:	228	Resp:	250642
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.4	38.2
229	21.4	16.3	24.5





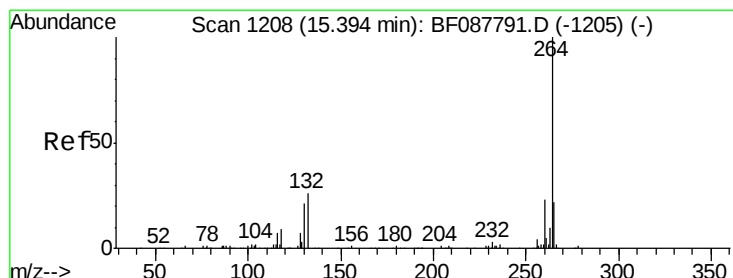
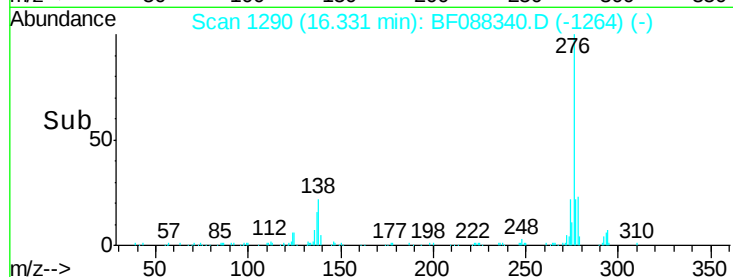
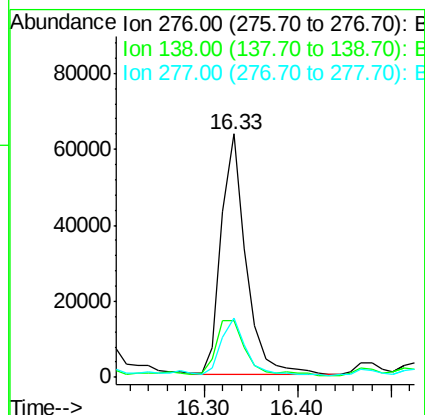
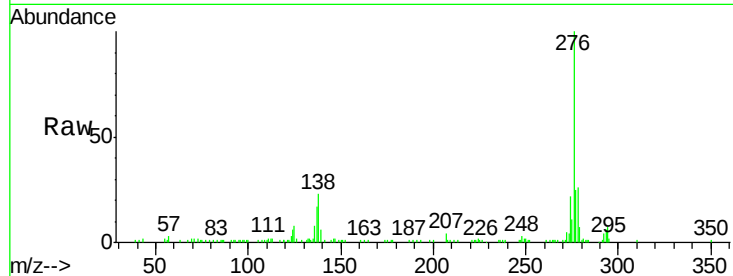
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.09 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF088340.D
 Acq: 24 Jun 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1432(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.8	0.0	0.0#
277	23.5	0.0	0.0#

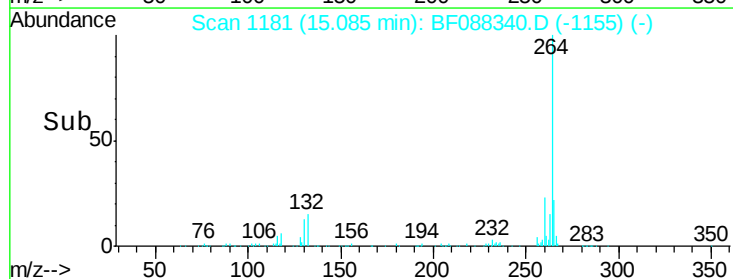
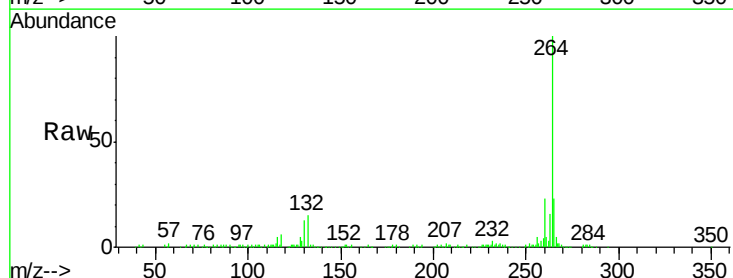
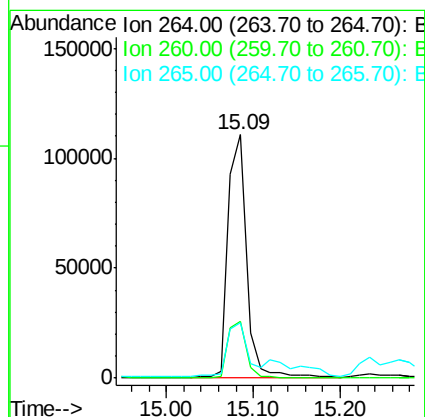
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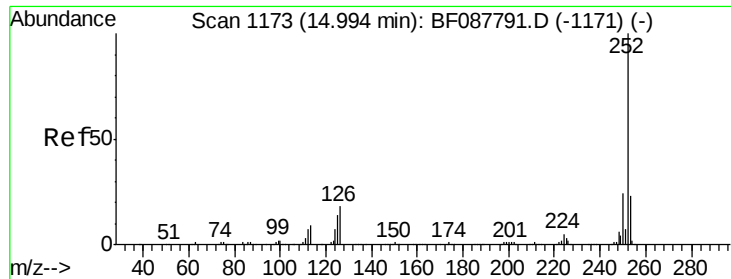
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF088340.D
 Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.4	19.2	28.8
265	23.0	16.9	25.3





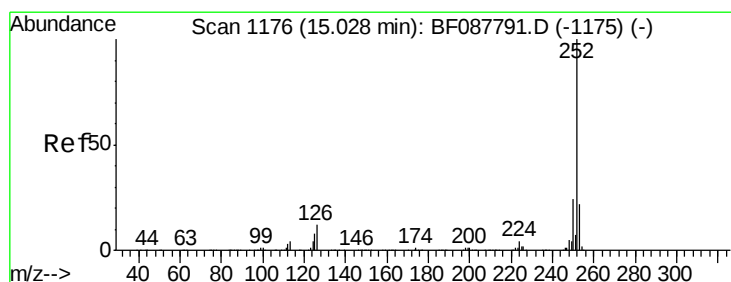
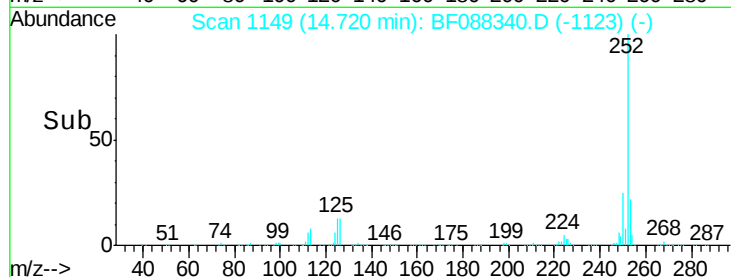
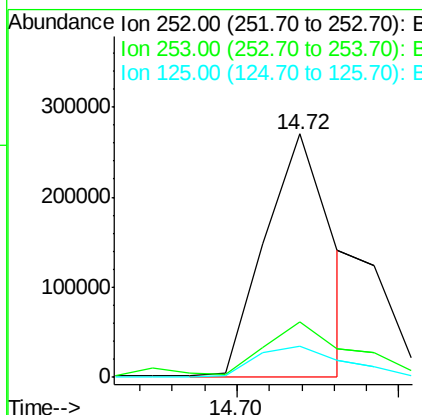
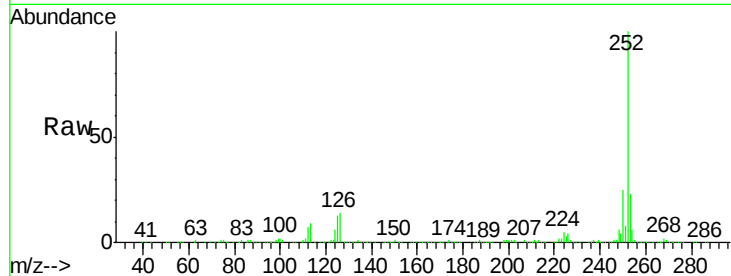
#87
Benzo(b)fluoranthene
Concen: 33.12 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Instrument :
BNA_F
ClientSampleId :
PM-STA-1432(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	13.0	7.1	10.7

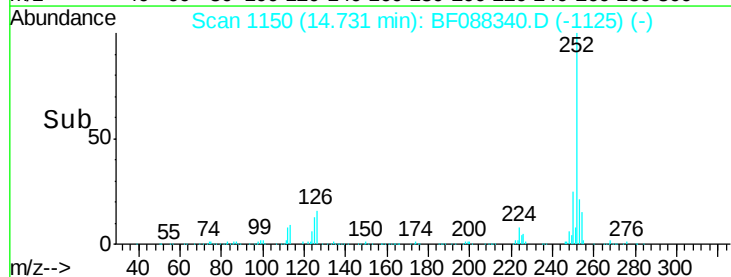
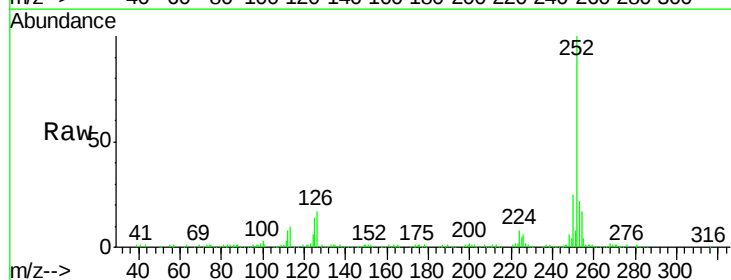
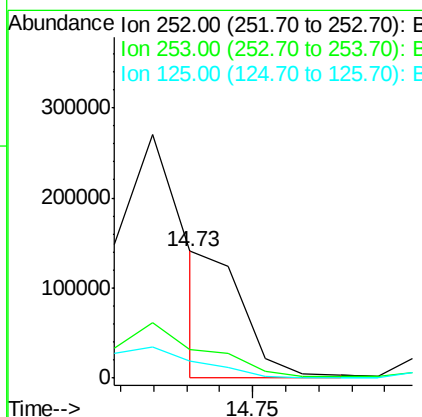
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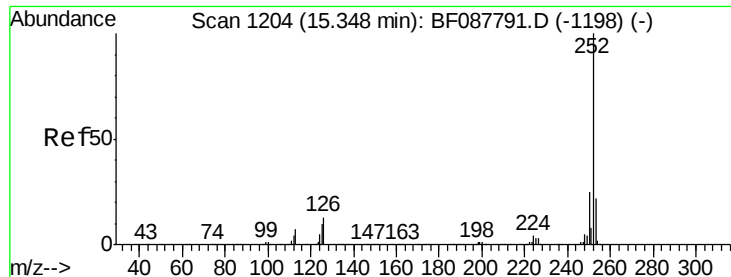
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#88
Benzo(k)fluoranthene
Concen: 12.00 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088340.D
Acq: 24 Jun 2016 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	13.6	11.2	16.8





#89

Benzo(a)pyrene

Concen: 19.92 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Instrument :

BNA_F

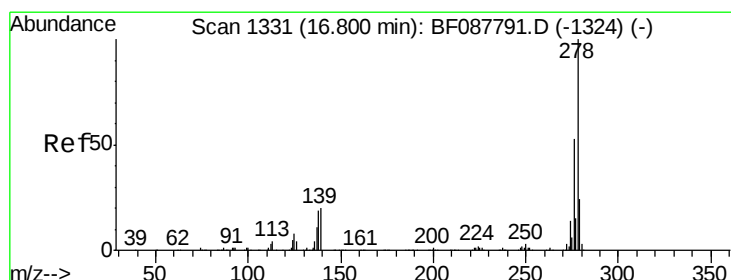
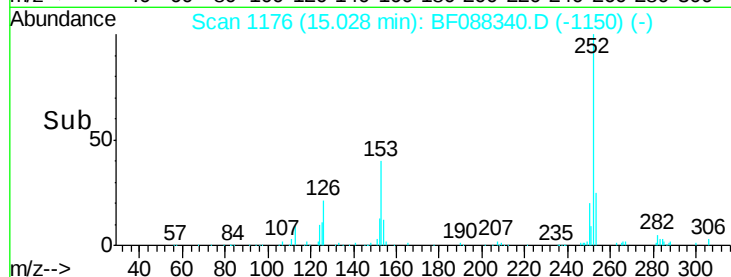
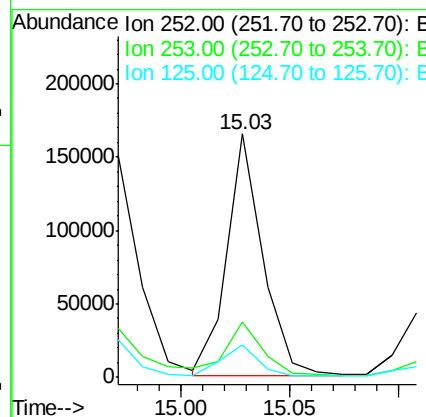
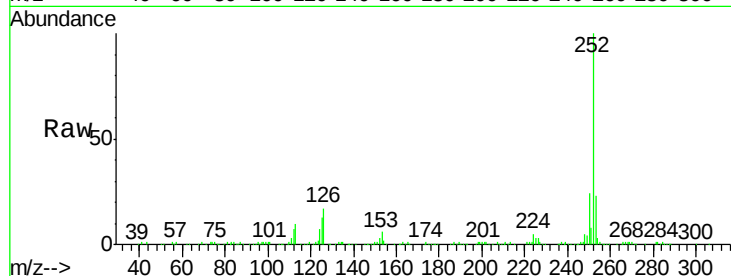
ClientSampleId :

PM-STA-1432(0-4)

Tgt Ion:	252	Resp:	188223
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.2	12.5	18.7

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#90

Dibenzo(a,h)anthracene

Concen: 3.91 ng

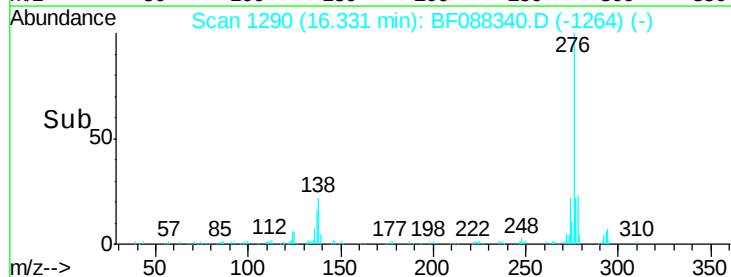
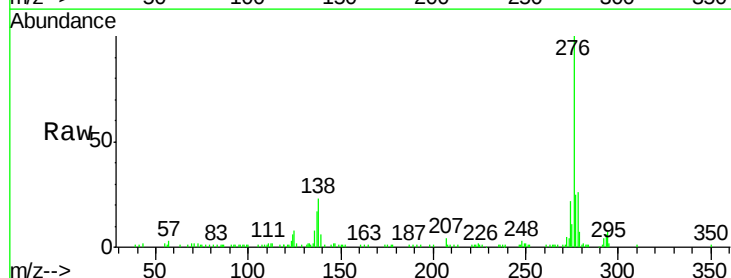
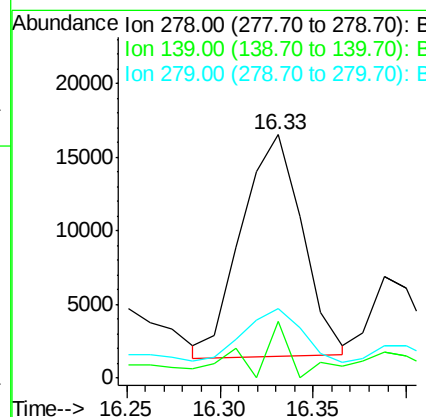
RT: 16.33 min Scan# 1290

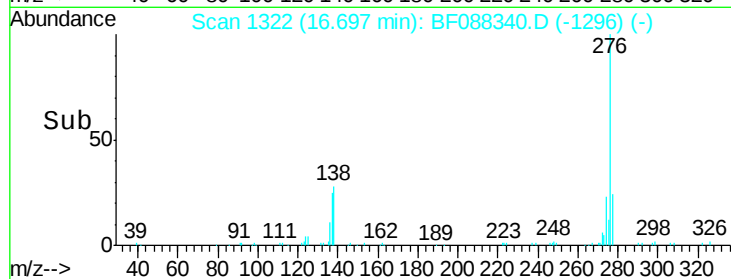
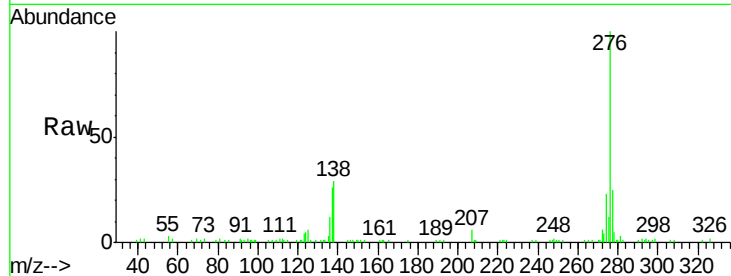
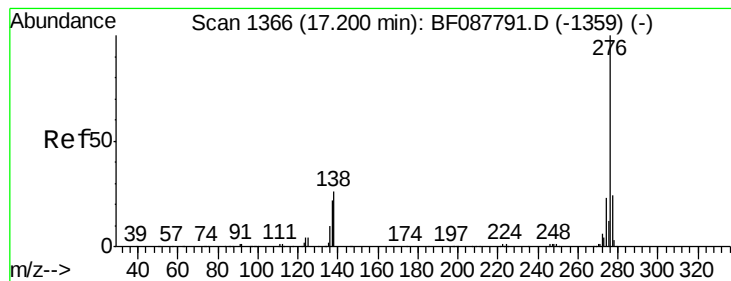
Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Tgt Ion:	278	Resp:	34319
Ion Ratio		Lower	Upper
278	100		
139	23.1	15.7	23.5
279	28.5	19.4	29.2





#91

Benzo(g,h,i)perylene

Concen: 10.07 ng

RT: 16.70 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF088340.D

Acq: 24 Jun 2016 19:22

Tgt Ion:	276	Resp:	90930
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.9	28.3
138	29.1	21.4	32.2

Instrument :

BNA_F

ClientSampleId :

PM-STA-1432(0-4)

Manual Integrations
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