

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088337.D
 Acq On : 24 Jun 2016 17:55
 Operator : UM/SJ
 Sample : H3598-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1398(0-4)

Manual Integrations
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Quant Time: Jun 25 04:00:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	78650	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	304706	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	139446	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	253647	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	153485	20.00	ng	-0.02
86) Perylene-d12	15.09	264	167416	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	609179	132.41	ng	0.00
7) Phenol-d6	6.25	99	764213	137.06	ng	-0.01
23) Nitrobenzene-d5	7.16	82	505955	96.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	190820	129.60	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	821013	93.01	ng	-0.02
78) Terphenyl-d14	12.67	244	586146	86.90	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.47	152	102668	7.15	ng	98
49) Dimethylphthalate	9.35	163	94387	9.34	ng	99
70) Phenanthrene	11.12	178	185319	13.92	ng	97
71) Anthracene	11.16	178	107505	8.01	ng	98
72) Carbazole	11.34	167	28511	2.27	ng	99
74) Fluoranthene	12.30	202	668512	47.59	ng	97
77) Pyrene	12.53	202	632023	55.49	ng	100
80) Benzo(a)anthracene	13.71	228	335114m	38.31	ng	
82) Chrysene	13.75	228	304876m	37.05	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	163445	21.38	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	451533m	38.70	ng	
88) Benzo(k)fluoranthene	14.73	252	124488m	14.14	ng	
89) Benzo(a)pyrene	15.03	252	246497	26.11	ng	97
90) Dibenzo(a,h)anthracene	16.33	278	43775m	4.99	ng	
91) Benzo(g,h,i)perylene	16.70	276	134104	14.87	ng	98

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

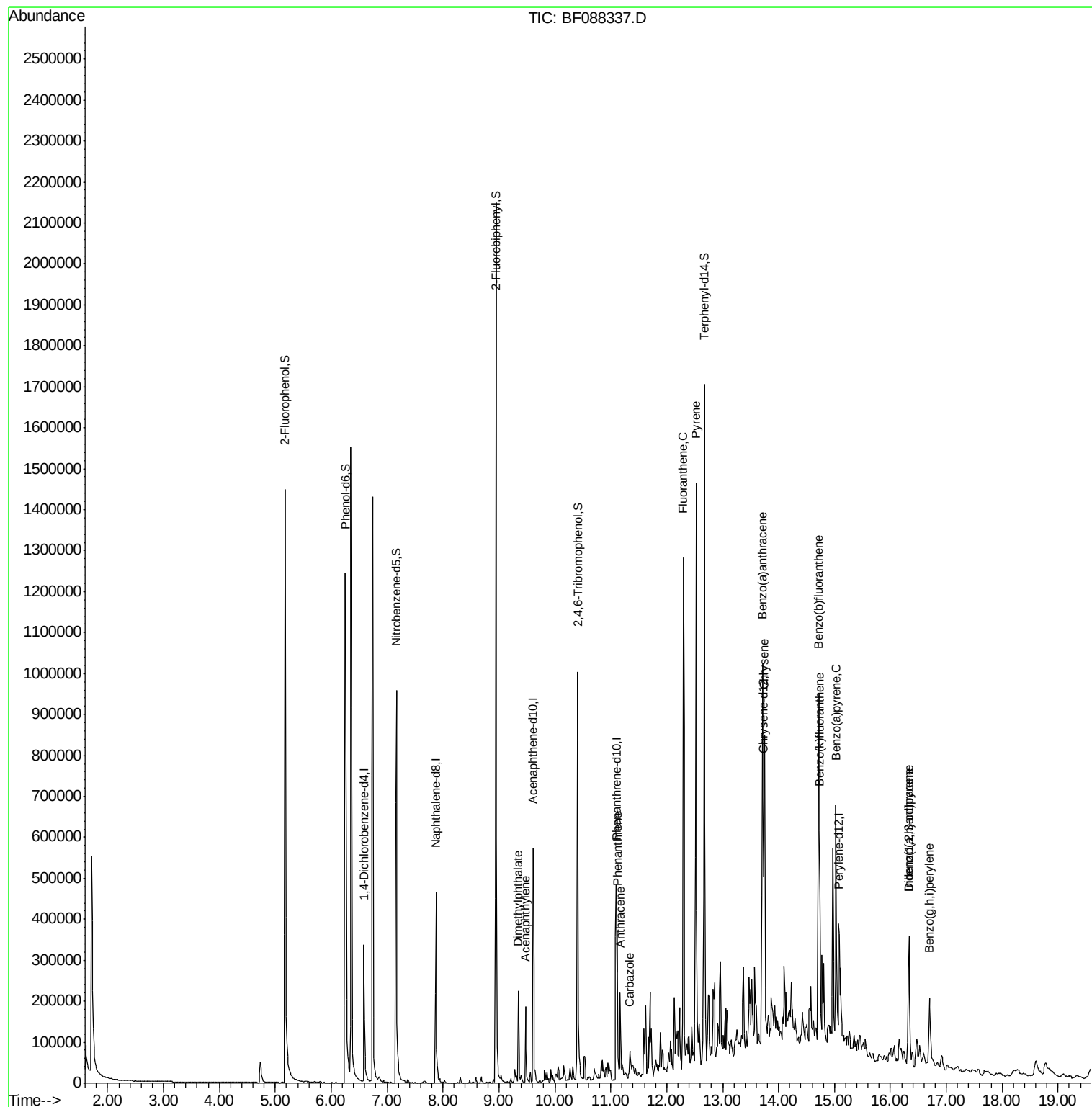
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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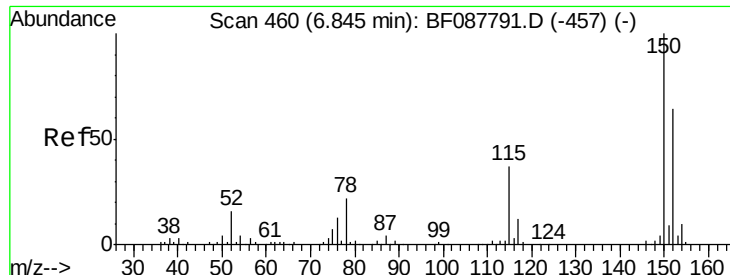
Instrument :
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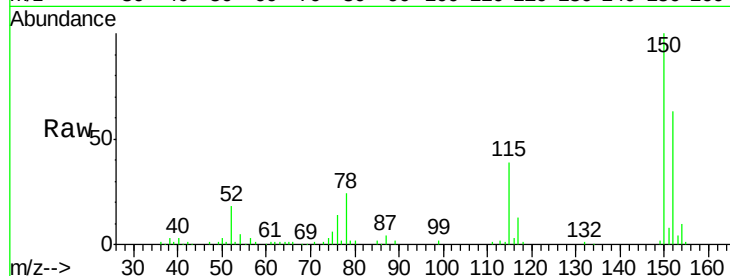




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

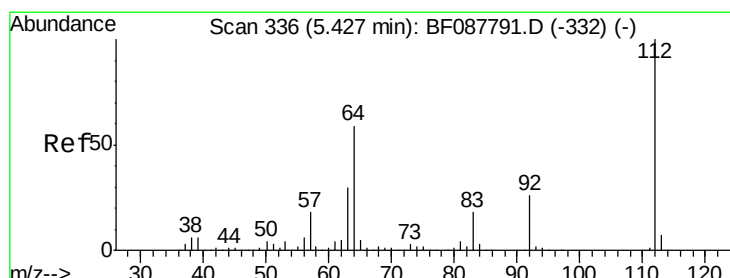
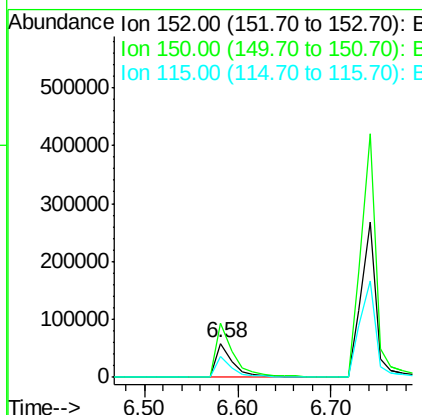
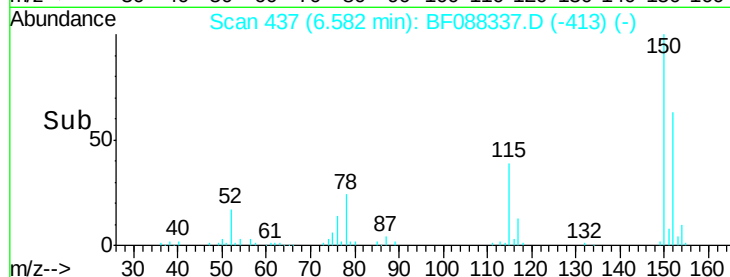
Instrument :
BNA_F
ClientSampleId :
PM-STA-1398(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.8	185.6
115	62.3	39.6	59.4

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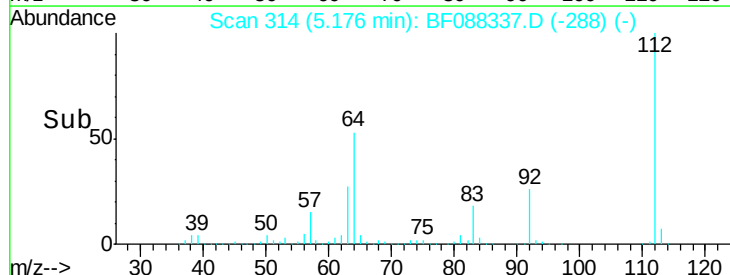
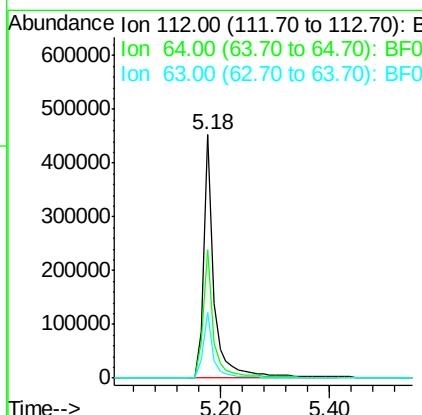
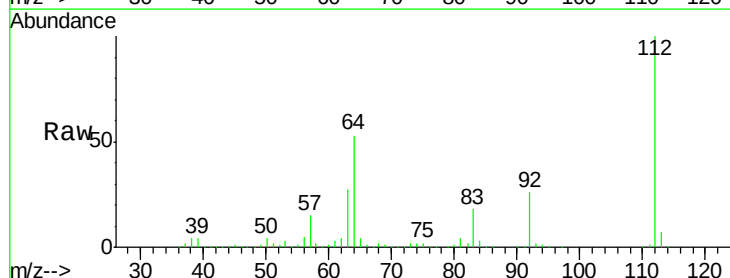
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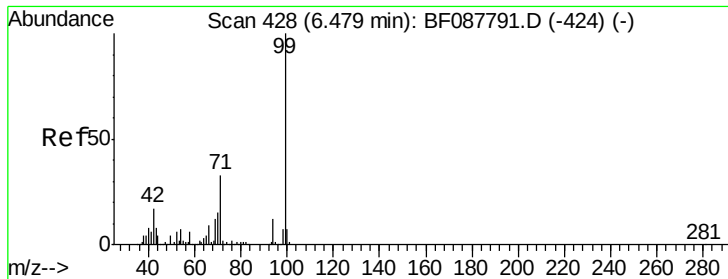


#5

2-Fluorophenol
Concen: 132.41 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.00 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.2	63.2
63	27.2	21.8	32.8





#7

Phenol-d6

Concen: 137.06 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088337.D

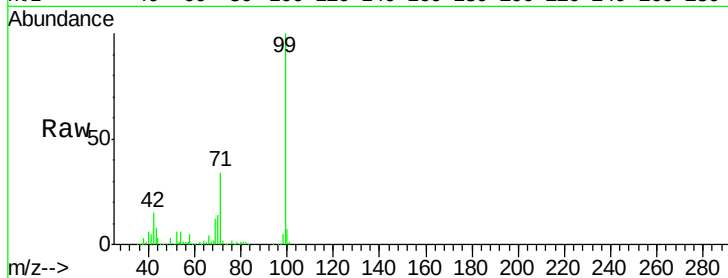
Acq: 24 Jun 2016 17:55

Instrument :

BNA_F

ClientSampleId :

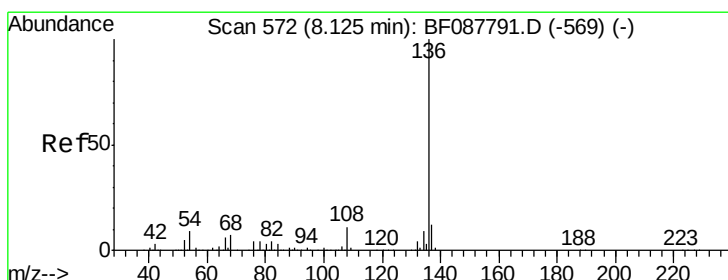
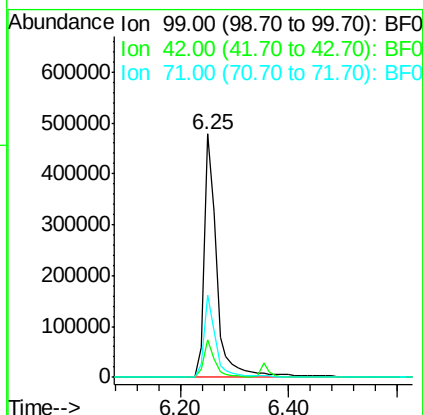
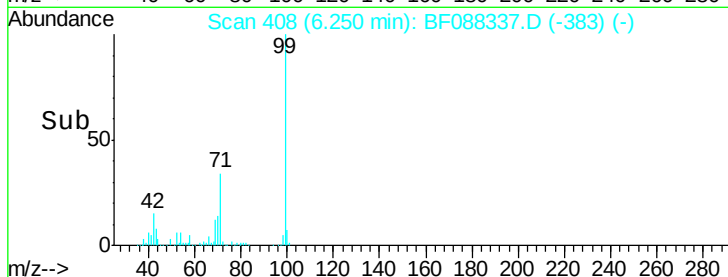
PM-STA-1398(0-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		764213		
42	15.4	12.2	18.2		
71	34.0	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

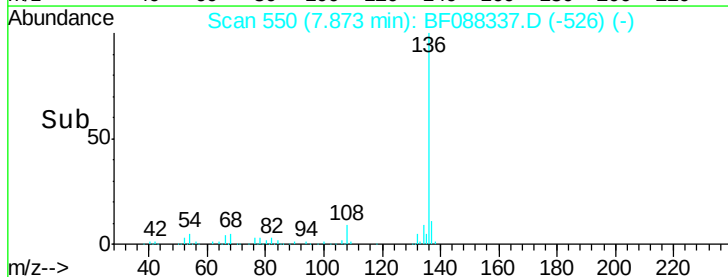
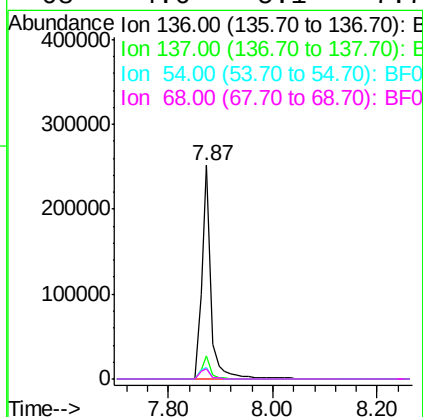
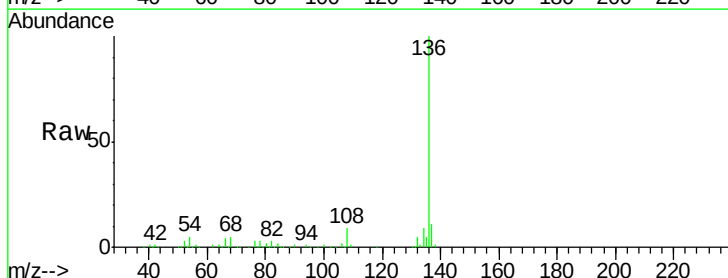
RT: 7.87 min Scan# 550

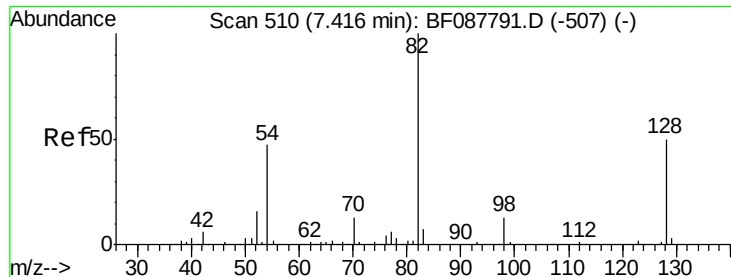
Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		304706		
137	10.7	9.1	13.7		
54	5.3	6.6	10.0#		
68	4.6	5.1	7.7#		





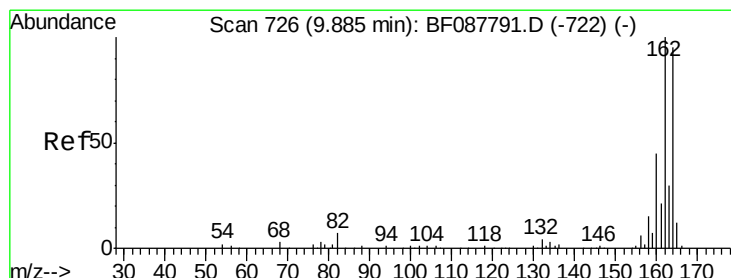
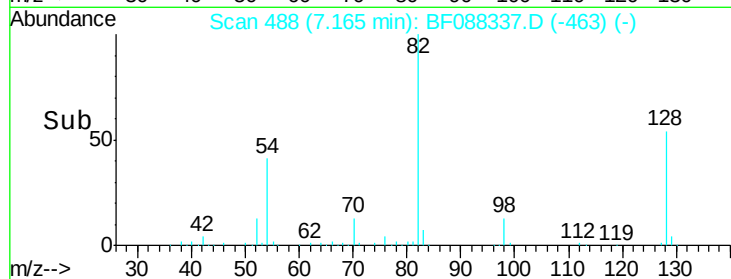
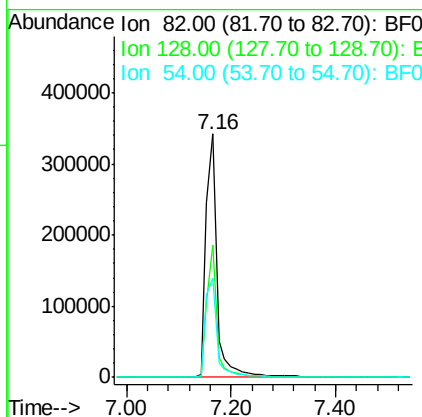
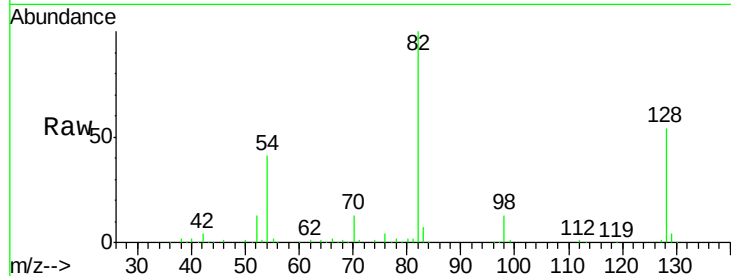
#23
 Nitrobenzene-d5
 Concen: 96.96 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088337.D
 Acq: 24 Jun 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1398(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	505955		
128	54.4	35.9	53.9#	
54	40.8	40.9	61.3#	

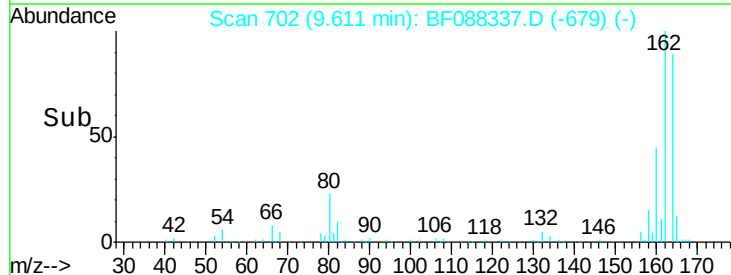
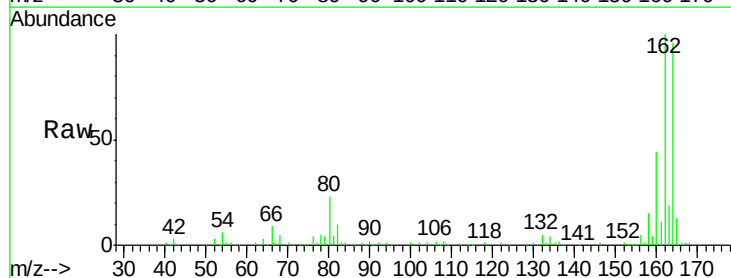
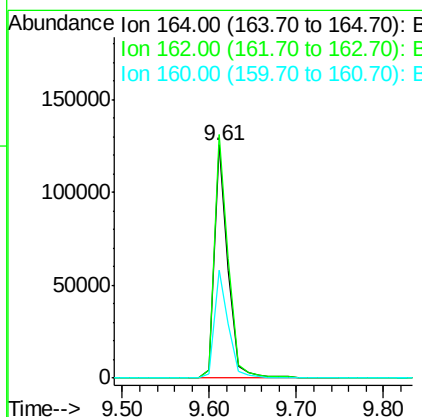
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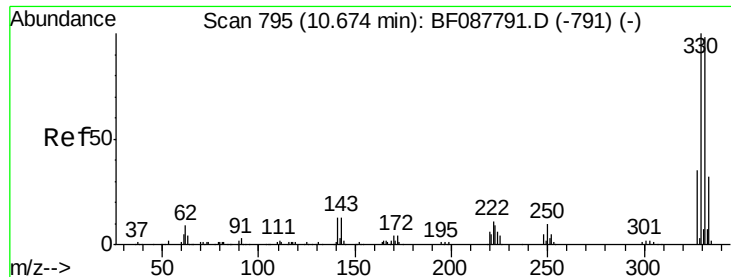
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088337.D
 Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139446		
162	104.4	85.4	128.2	
160	46.3	39.5	59.3	





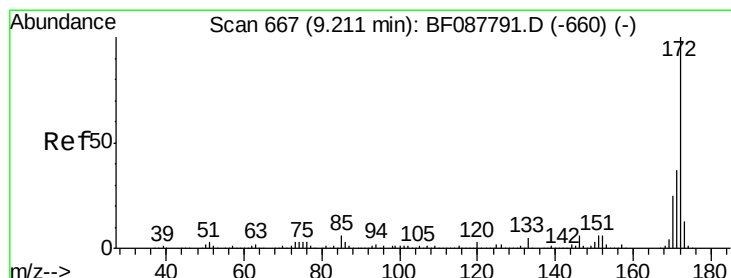
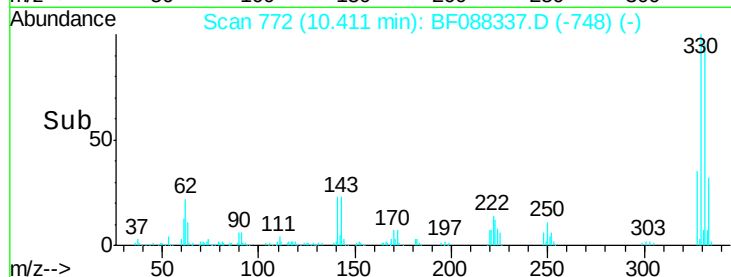
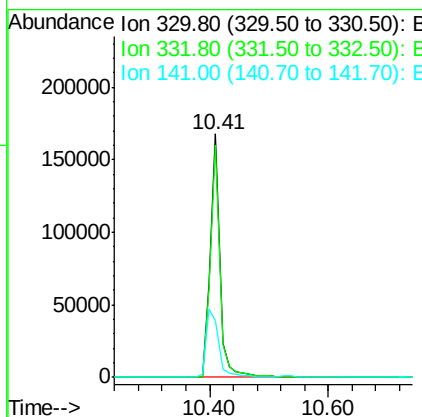
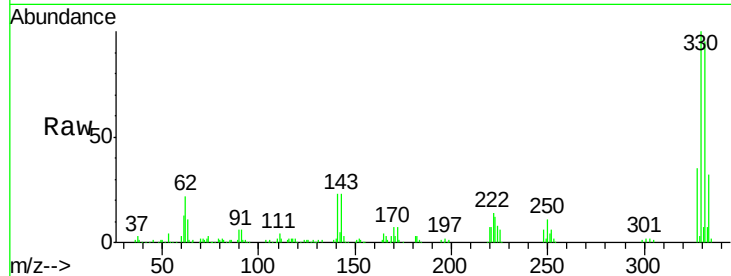
#41
 2,4,6-Tribromophenol
 Concen: 129.60 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088337.D
 Acq: 24 Jun 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1398(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.4	0.0	0.0#
141	36.9	0.0	0.0#

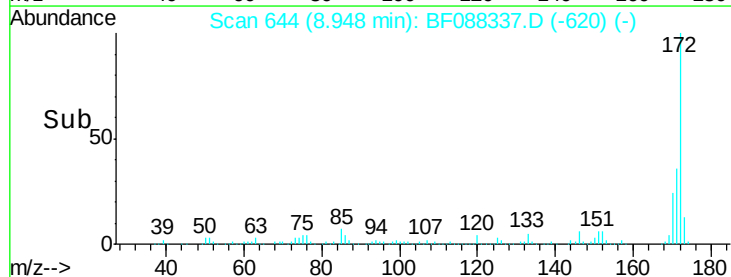
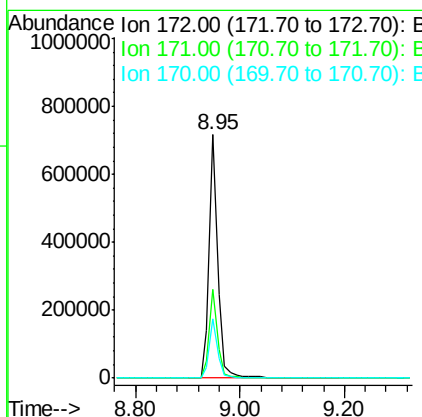
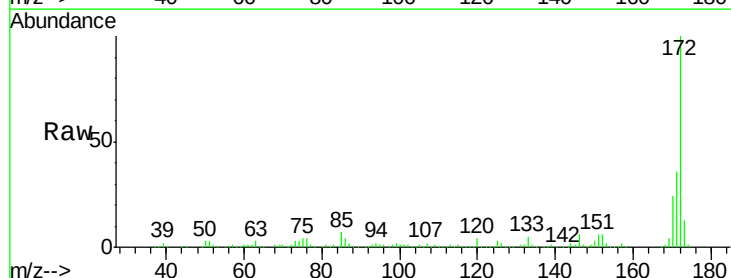
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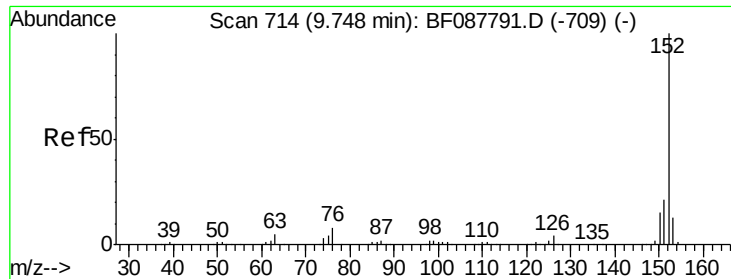
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#44
 2-Fluorobiphenyl
 Concen: 93.01 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088337.D
 Acq: 24 Jun 2016 17:55

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





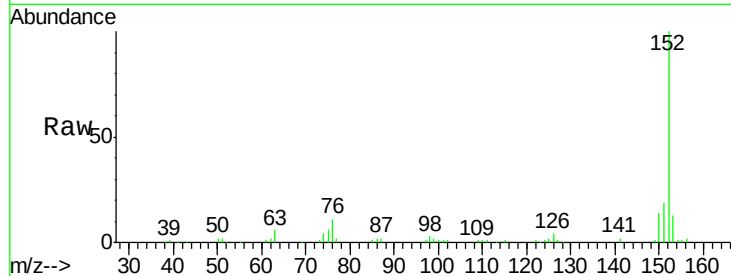
#48
Acenaphthylene
Concen: 7.15 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Instrument :
BNA_F
ClientSampleId :
PM-STA-1398(0-4)

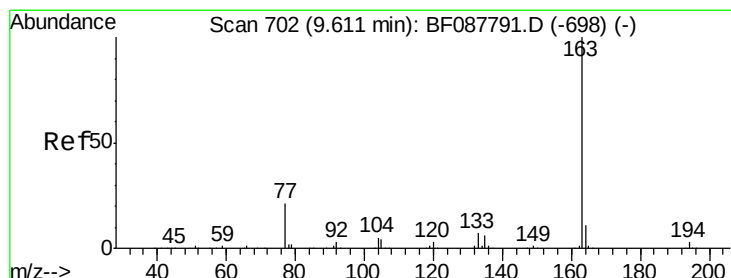
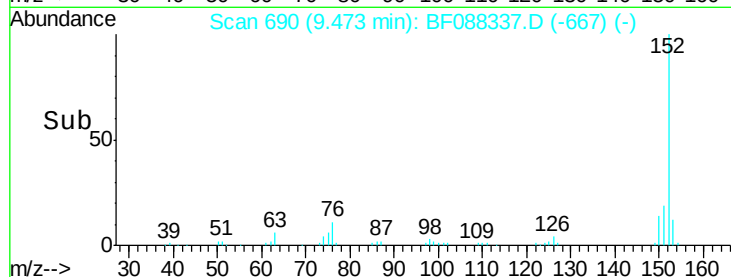
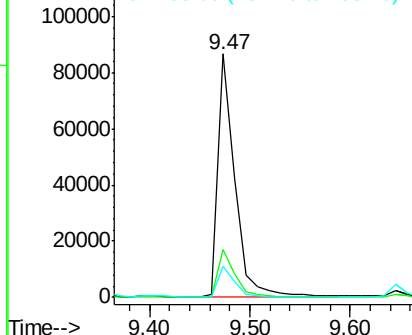
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	102668		
151	19.4	16.2	24.4	
153	13.0	11.0	16.6	

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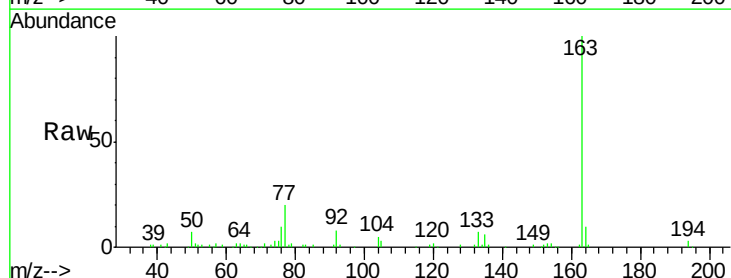


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

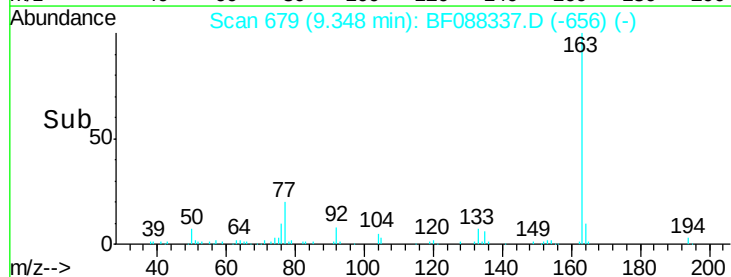
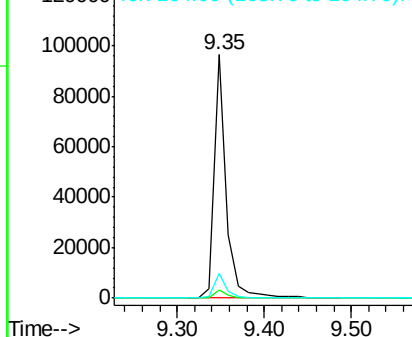


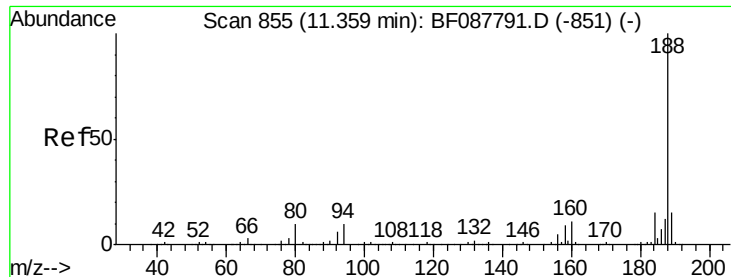
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Dimethylphthalate
Concen: 9.34 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	94387		
194	3.1	2.8	4.2	
164	10.2	8.3	12.5	



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. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Instrument :

BNA_F

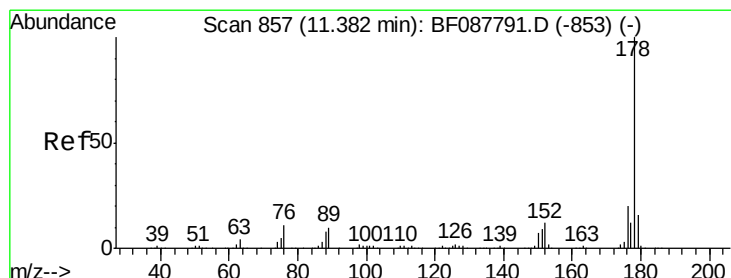
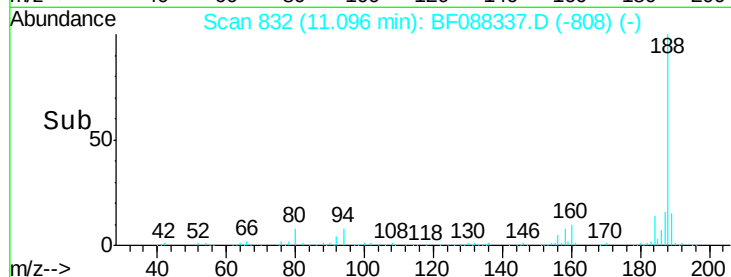
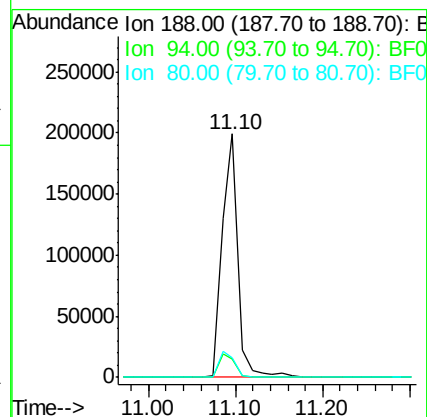
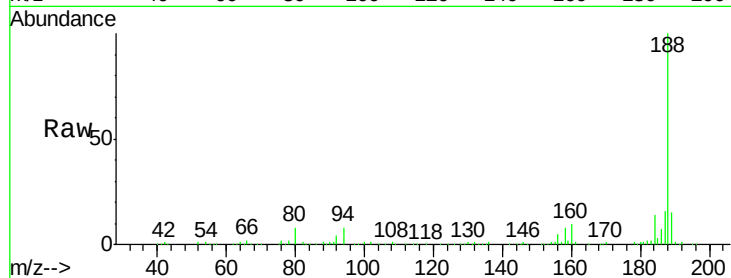
ClientSampleId :

PM-STA-1398(0-4)

Tgt Ion:	188	Resp:	253647
Ion Ratio	Lower	Upper	
188	100		
94	7.7	9.0	13.6#
80	7.8	10.0	15.0#

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#70

Phenanthrene

Concen: 13.92 ng

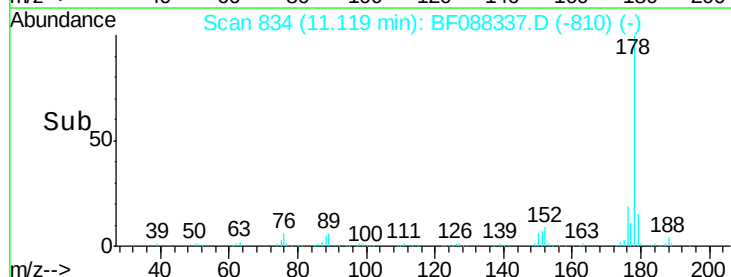
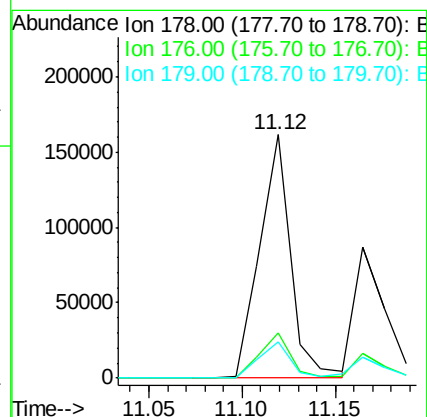
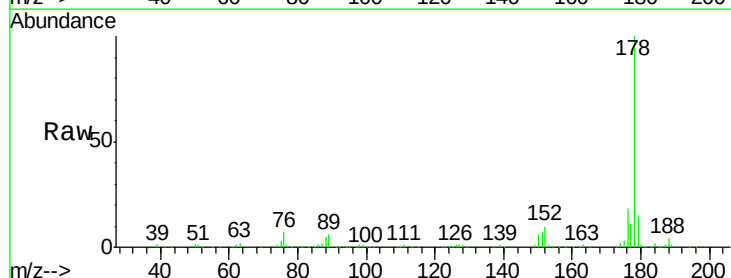
RT: 11.12 min Scan# 834

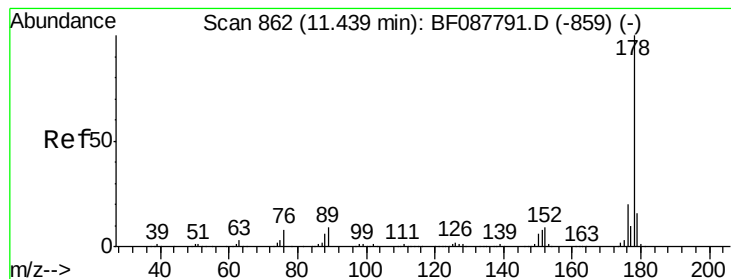
Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Tgt Ion:	178	Resp:	185319
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.6
179	14.8	13.0	19.4





#71

Anthracene

Concen: 8.01 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF088337.D

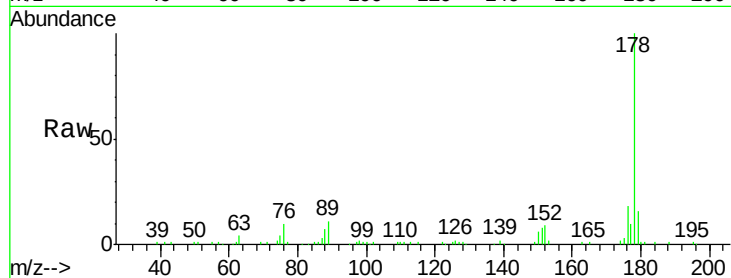
Acq: 24 Jun 2016 17:55

Instrument :

BNA_F

ClientSampleId :

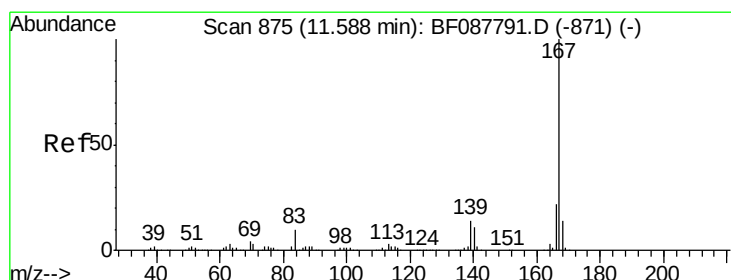
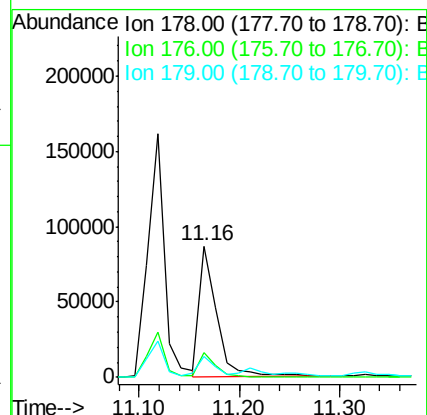
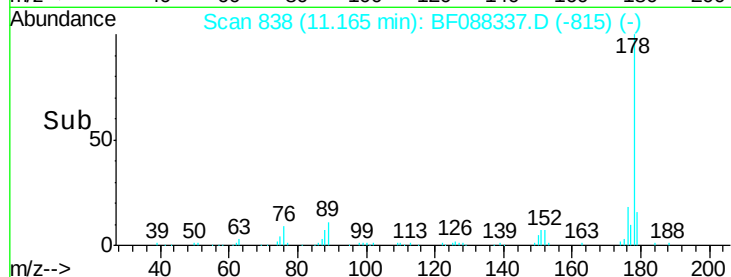
PM-STA-1398(0-4)



Tgt Ion:	178	Resp:	107505
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.6	23.4
179	16.2	12.8	19.2

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#72

Carbazole

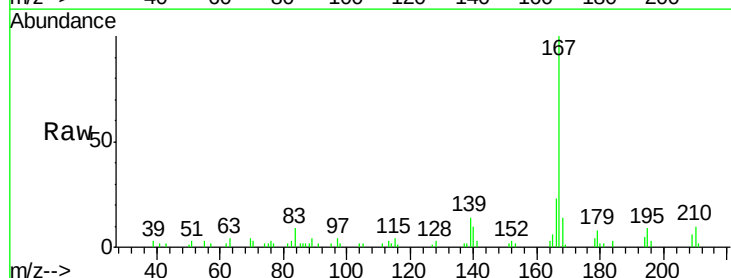
Concen: 2.27 ng

RT: 11.34 min Scan# 853

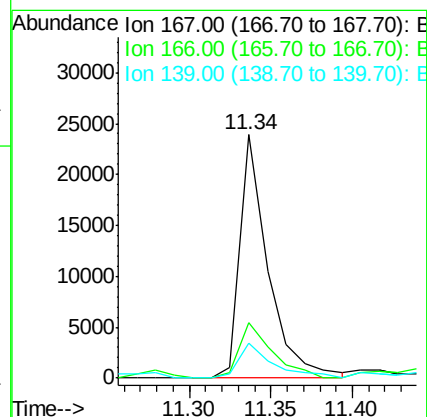
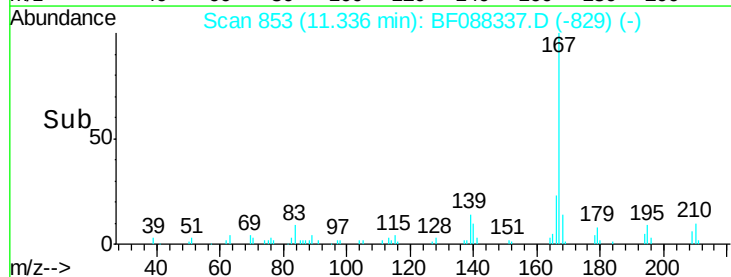
Delta R.T. -0.02 min

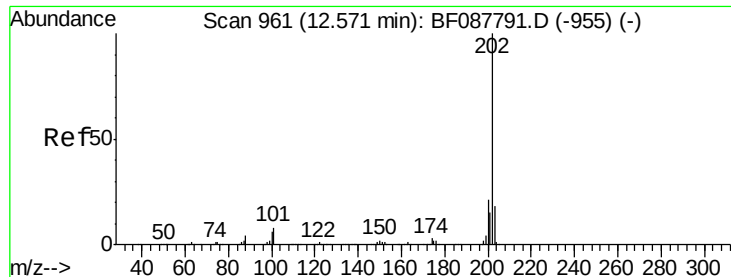
Lab File: BF088337.D

Acq: 24 Jun 2016 17:55



Tgt Ion:	167	Resp:	28511
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.8	26.6
139	14.2	11.2	16.8





#74

Fluoranthene

Concen: 47.59 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Instrument :

BNA_F

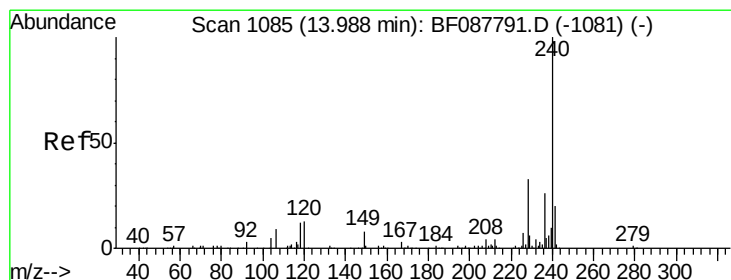
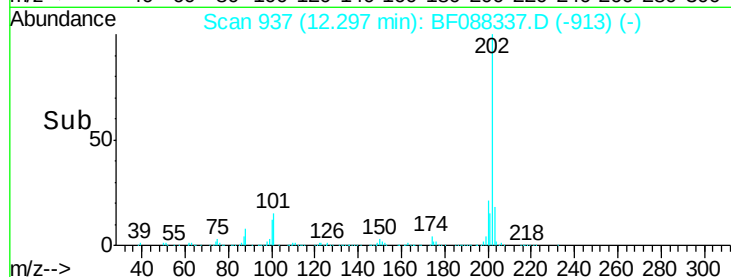
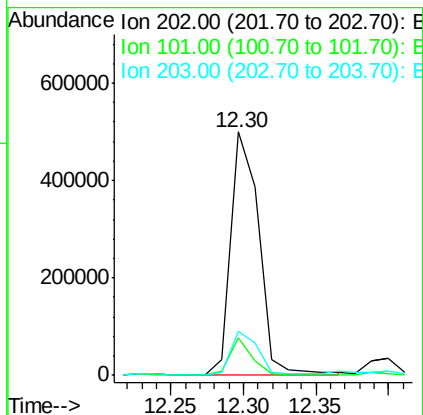
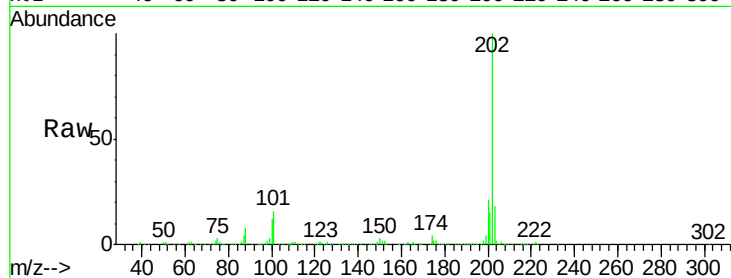
ClientSampleId :

PM-STA-1398(0-4)

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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	668512		
101	15.5	0.0	33.1	
203	18.1	0.0	38.1	



#75

Chrysene-d12

Concen: 20.00 ng

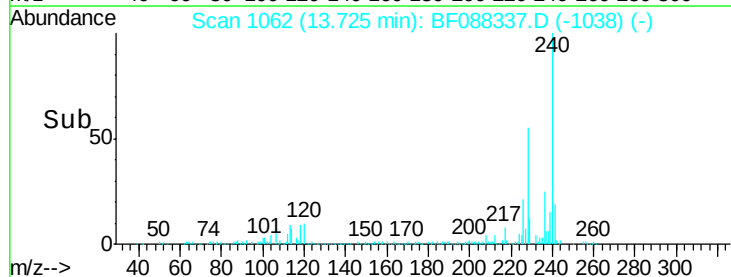
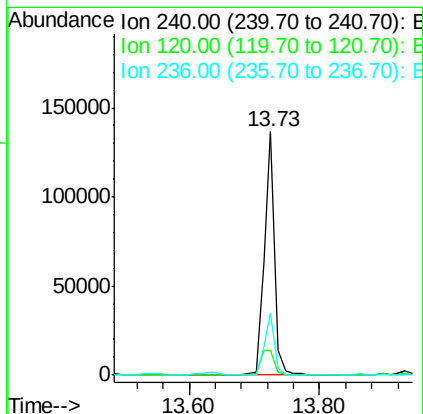
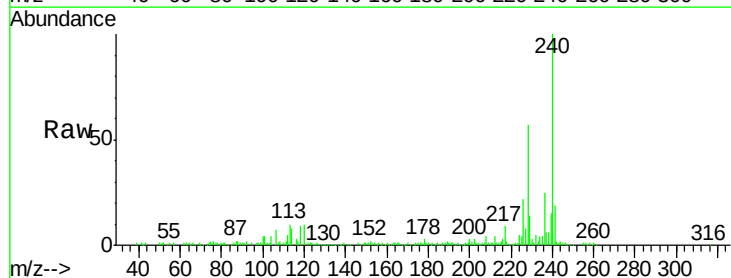
RT: 13.73 min Scan# 1062

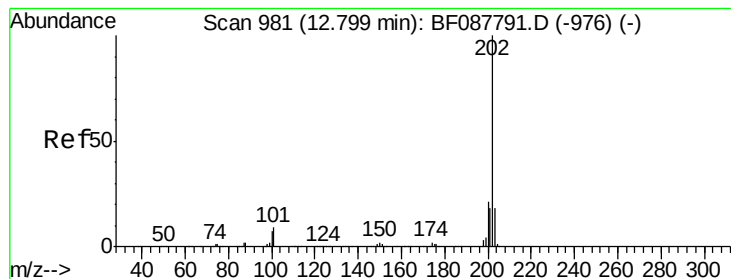
Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	153485		
120	10.1	6.8	10.2	
236	25.3	20.2	30.2	





#77

Pyrene

Concen: 55.49 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Instrument :

BNA_F

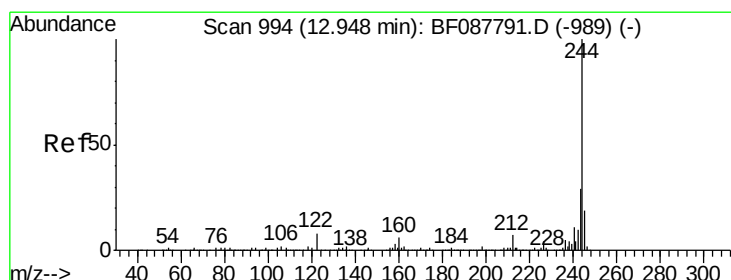
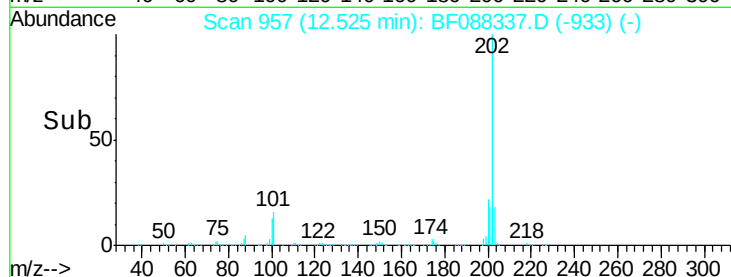
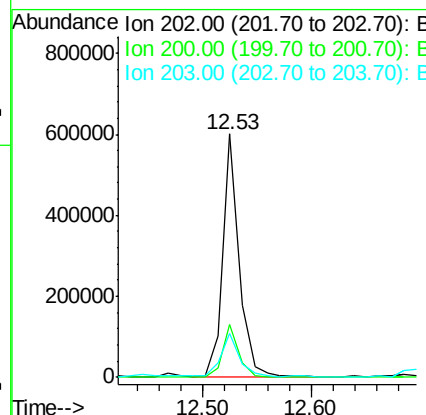
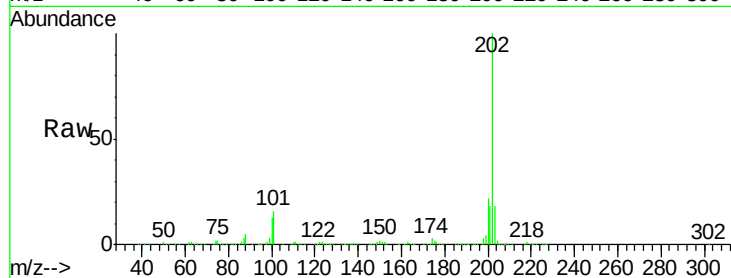
ClientSampleId :

PM-STA-1398(0-4)

Tgt Ion:	202	Resp:	632023
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.3	14.5	21.7

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#78

Terphenyl-d14

Concen: 86.90 ng

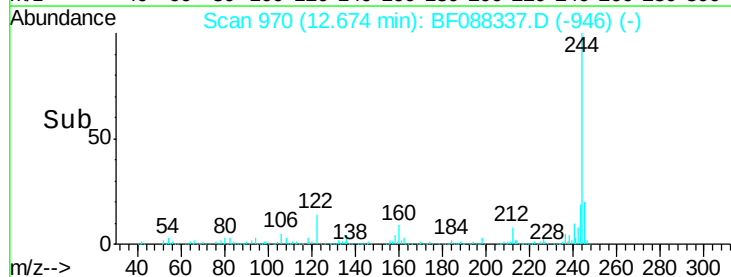
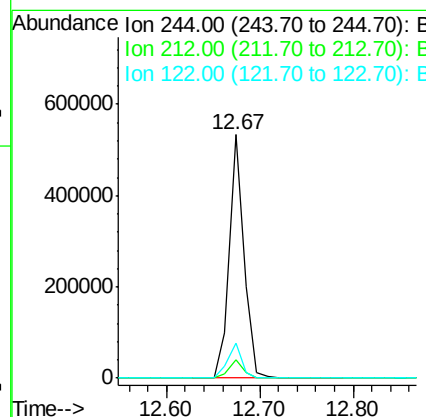
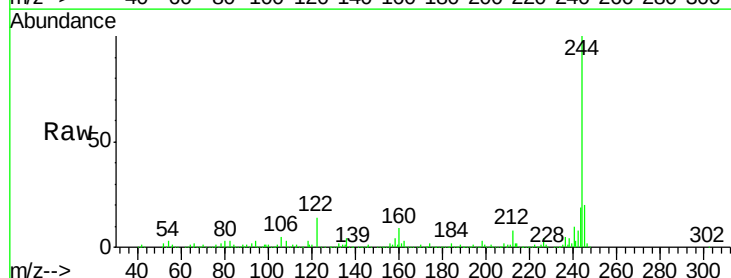
RT: 12.67 min Scan# 970

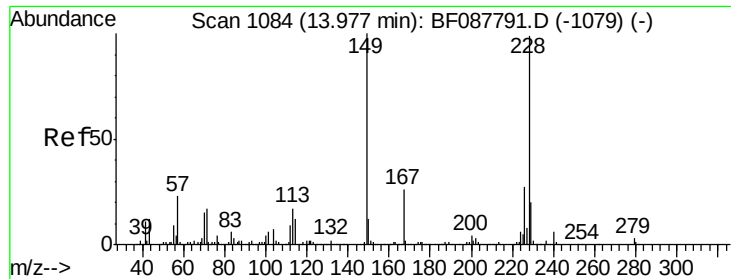
Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Tgt Ion:	244	Resp:	586146
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.0	9.0
122	14.2	11.2	16.8





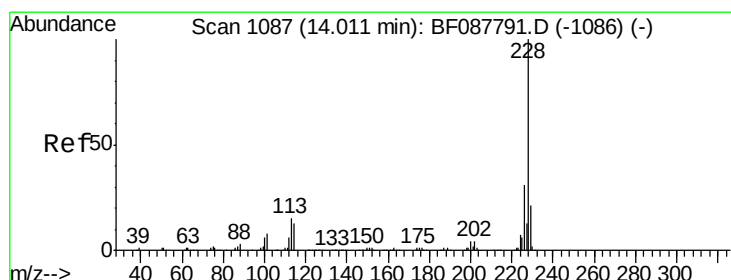
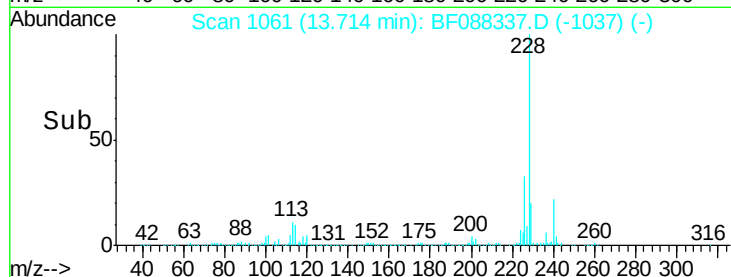
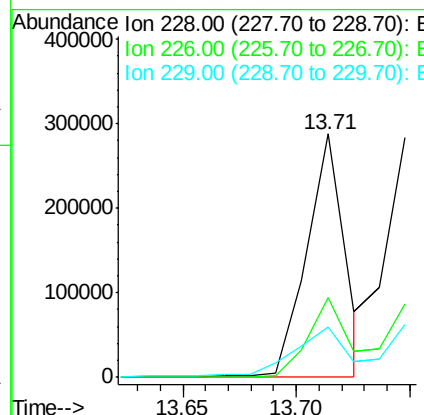
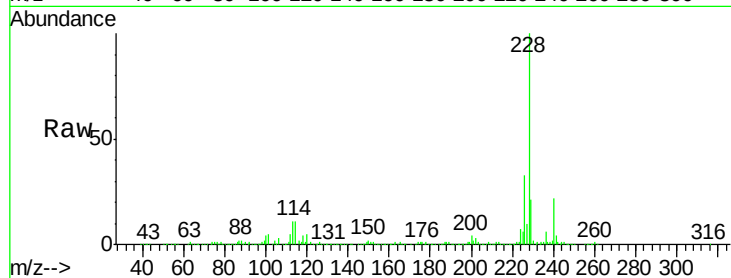
#80
Benzo(a)anthracene
Concen: 38.31 ng m
RT: 13.71 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Instrument :
BNA_F
ClientSampleId :
PM-STA-1398(0-4)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.3	33.5
229	20.7	16.0	24.0

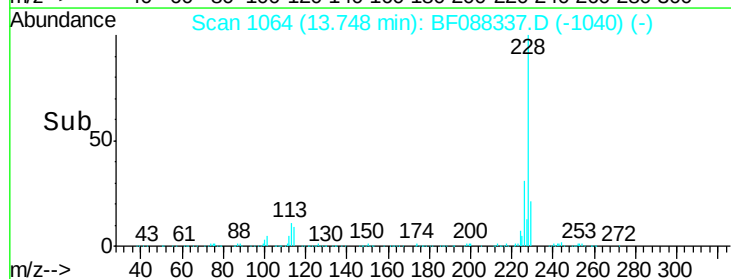
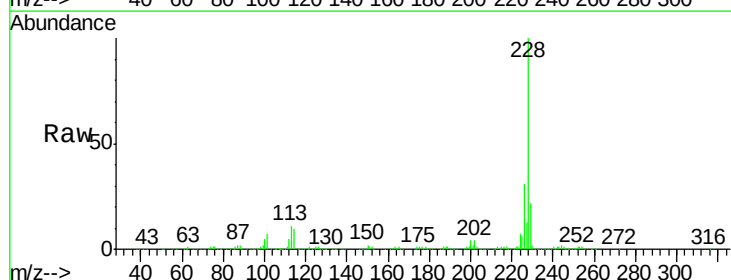
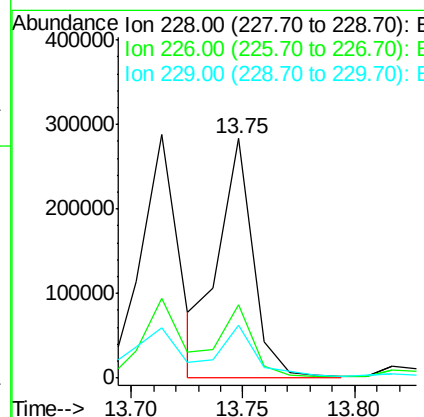
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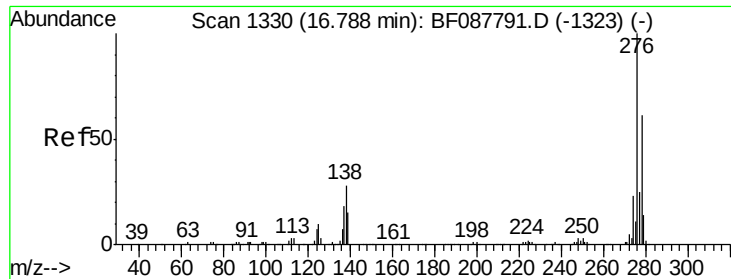
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#82
Chrysene
Concen: 37.05 ng m
RT: 13.75 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	22.2	16.3	24.5





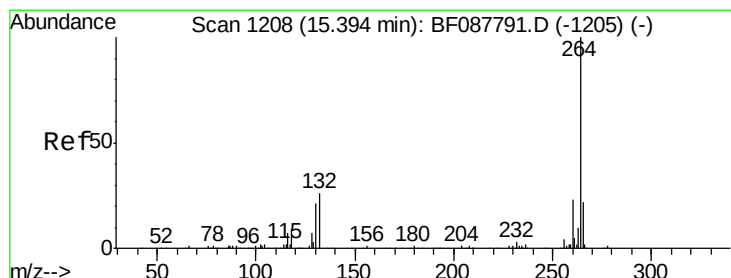
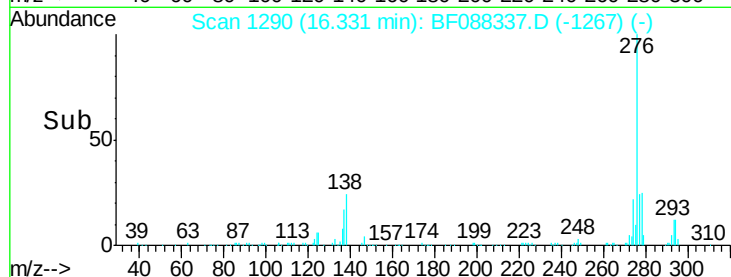
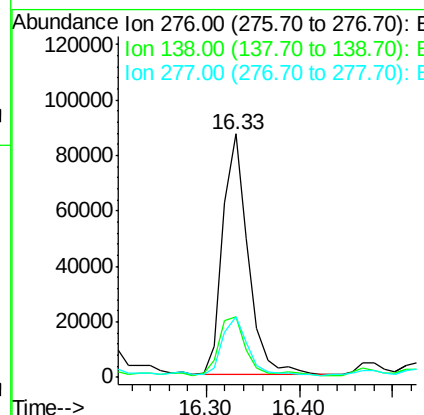
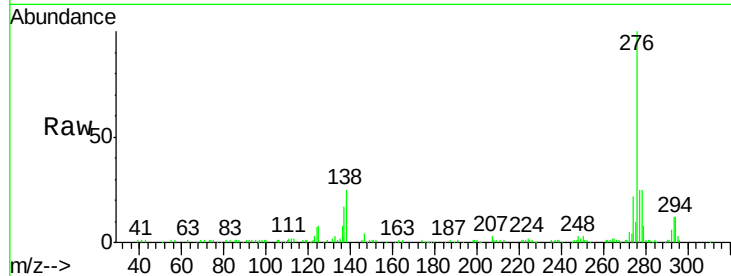
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.38 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.03 min
 Lab File: BF088337.D
 Acq: 24 Jun 2016 17:55

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1398(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.3	0.0	0.0#
277	24.2	0.0	0.0#

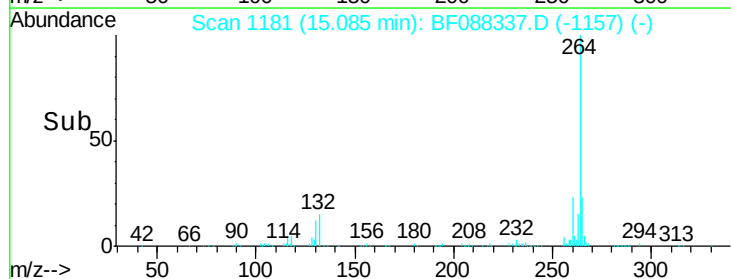
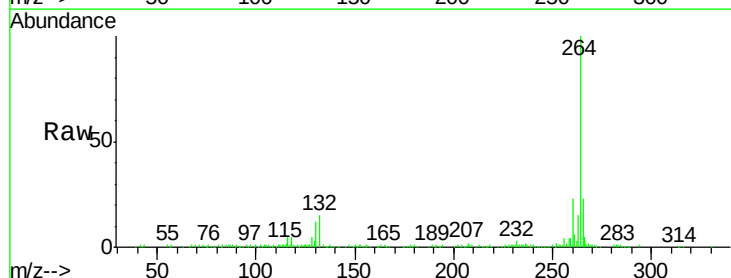
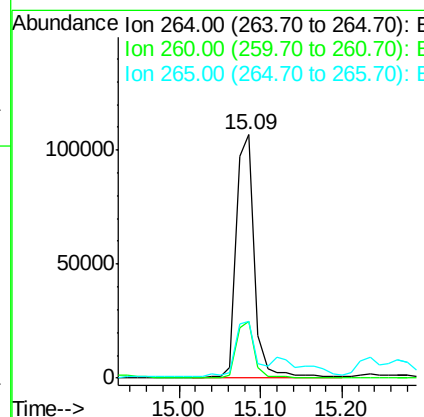
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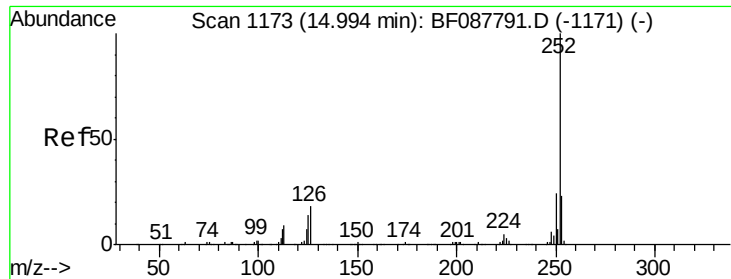
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088337.D
 Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.1	19.2	28.8
265	23.1	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 38.70 ng m

RT: 14.72 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Instrument :

BNA_F

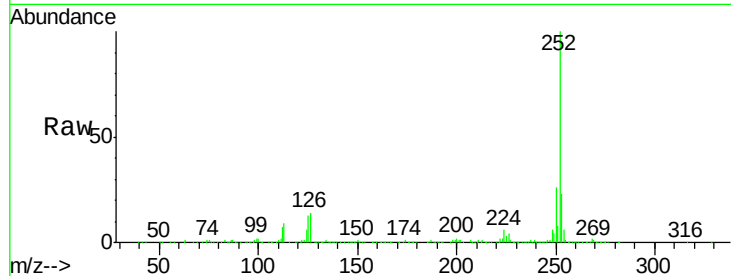
ClientSampleId :

PM-STA-1398(0-4)

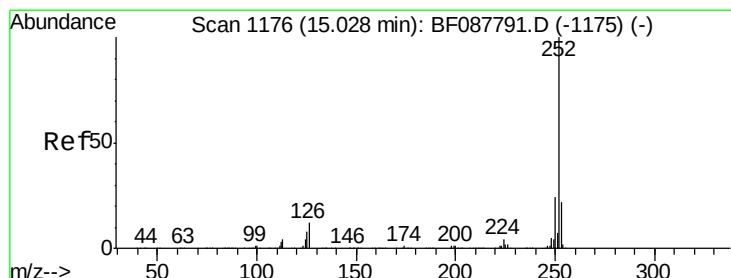
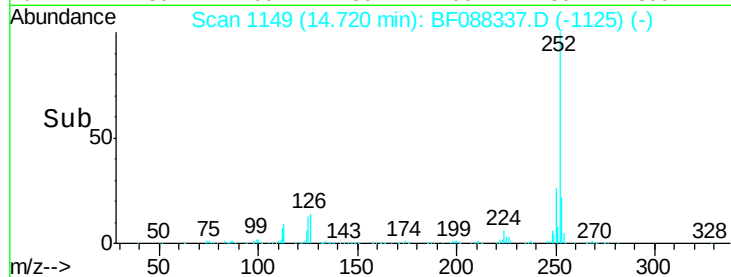
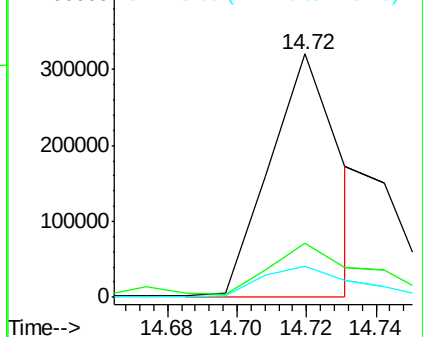
Tgt Ion:	252	Resp:	451533
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	12.9	7.1	10.7#

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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



#88

Benzo(k)fluoranthene

Concen: 14.14 ng m

RT: 14.73 min Scan# 1150

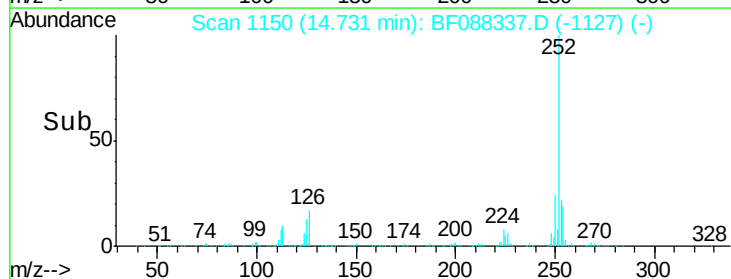
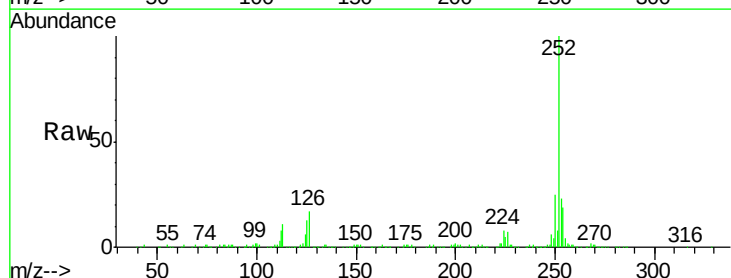
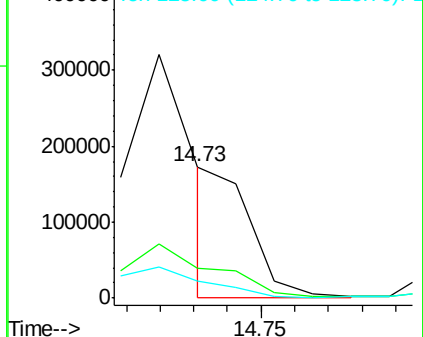
Delta R.T. -0.03 min

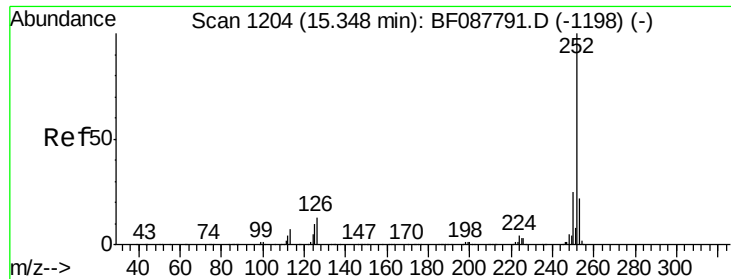
Lab File: BF088337.D

Acq: 24 Jun 2016 17:55

Tgt Ion:	252	Resp:	124488
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	13.0	11.2	16.8

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





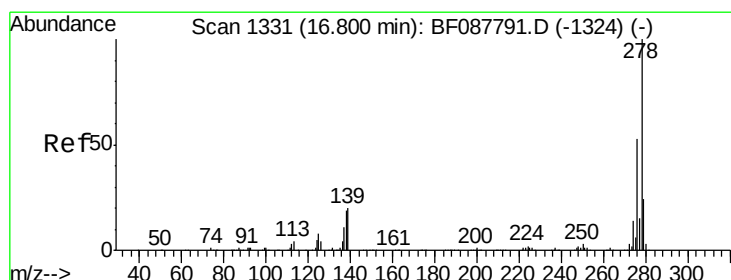
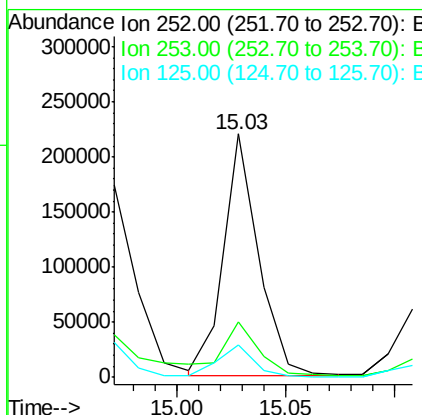
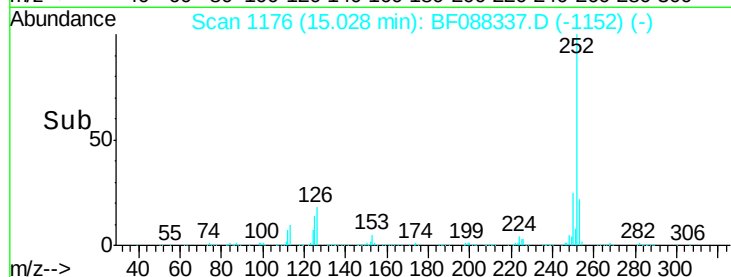
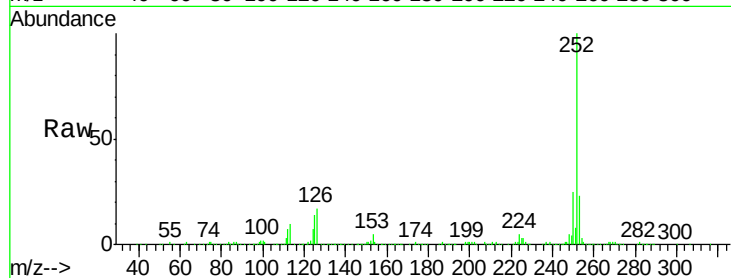
#89
Benzo(a)pyrene
Concen: 26.11 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Instrument :
BNA_F
ClientSampleId :
PM-STA-1398(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.5	12.5	18.7

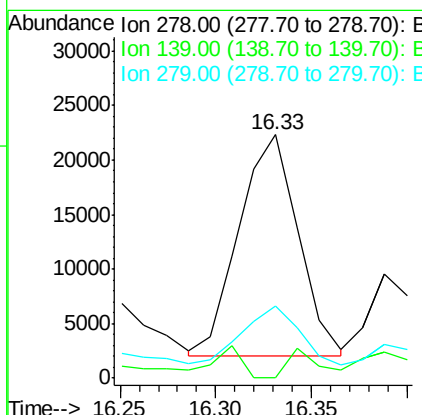
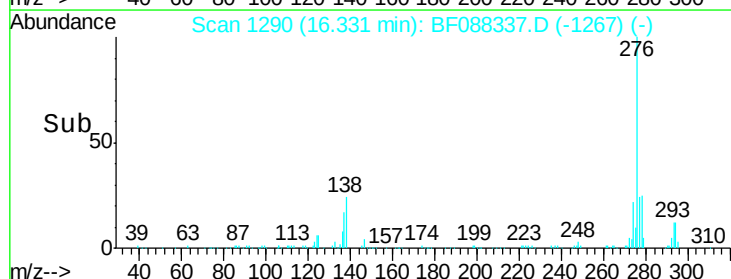
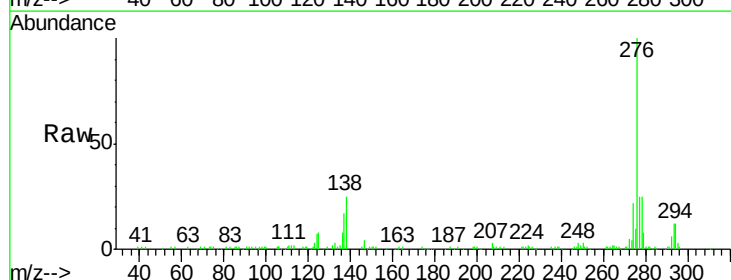
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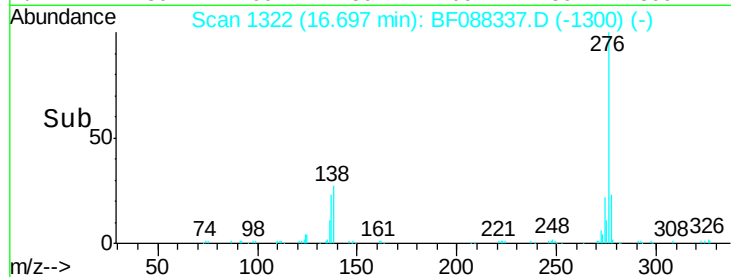
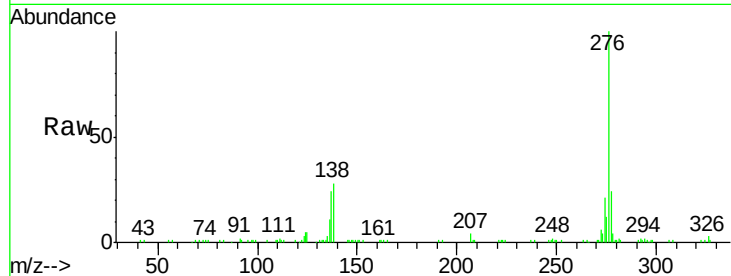
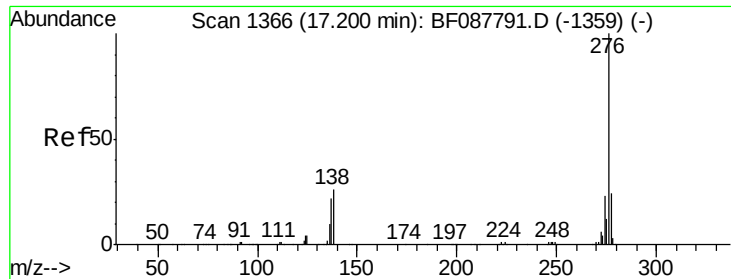
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#90
Dibenzo(a,h)anthracene
Concen: 4.99 ng m
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	29.9	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 14.87 ng
RT: 16.70 min Scan# 1322
Delta R.T. -0.05 min
Lab File: BF088337.D
Acq: 24 Jun 2016 17:55

Instrument :
BNA_F
ClientSampleId :
PM-STA-1398(0-4)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	27.9	21.4	32.2

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