

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088350.D
 Acq On : 25 Jun 2016 00:13
 Operator : UM/SJ
 Sample : H3599-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1402(0-4)

Manual Integrations
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Quant Time: Jun 27 12:02:12 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	75588m	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	298723	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	120212	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	181815	20.00	ng	0.00
75) Chrysene-d12	13.74	240	135068	20.00	ng	0.01
86) Perylene-d12	15.10	264	143552	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	223297	50.50	ng	0.00
7) Phenol-d6	6.25	99	274997	51.32	ng	-0.01
23) Nitrobenzene-d5	7.15	82	169567	33.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	43521	34.29	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	324552	39.44	ng	-0.01
78) Terphenyl-d14	12.67	244	201853	34.01	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.90	128	129159	8.74	ng	98
37) 2-Methylnaphthalene	8.58	142	52447	5.38	ng	96
48) Acenaphthylene	9.47	152	396361	32.03	ng	100
49) Dimethylphthalate	9.35	163	48317	5.55	ng	99
54) Dibenzofuran	9.83	168	61913	5.82	ng	97
70) Phenanthrene	11.12	178	345234	36.19	ng	98
71) Anthracene	11.16	178	311065	32.32	ng	99
72) Carbazole	11.34	167	117981	13.10	ng	98
74) Fluoranthene	12.31	202	1065239	105.80	ng	100
77) Pyrene	12.54	202	1090728	108.82	ng	100
80) Benzo(a)anthracene	13.72	228	764906	99.38	ng	# 87
82) Chrysene	13.76	228	697643m	96.34	ng	
83) Bis(2-ethylhexyl)phthalate	13.71	149	14047	2.60	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.35	276	428268	63.66	ng	# 100
87) Benzo(b)fluoranthene	14.74	252	1304084m	130.34	ng	
88) Benzo(k)fluoranthene	14.75	252	129991m	17.22	ng	
89) Benzo(a)pyrene	15.05	252	587077m	72.52	ng	
90) Dibenzo(a,h)anthracene	16.34	278	110160m	14.65	ng	
91) Benzo(g,h,i)perylene	16.73	276	358669	46.38	ng	97

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



#1

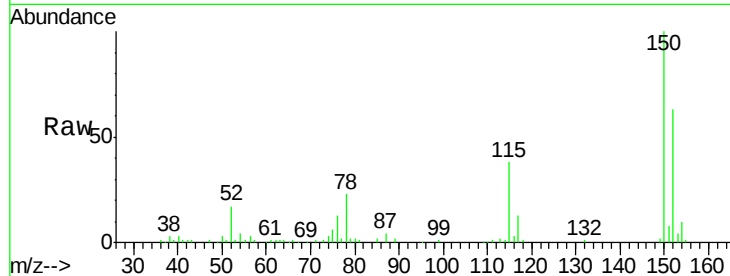
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.58 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

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BNA_F
ClientSampleId :
PM-STA-1402(0-4)

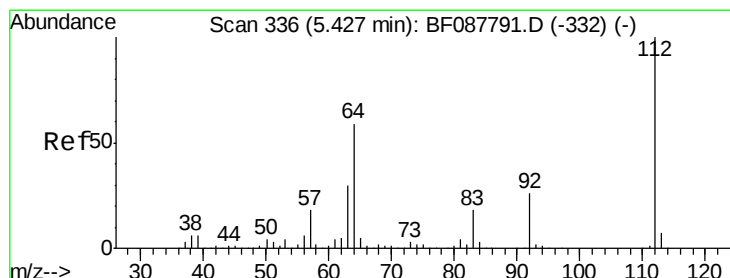
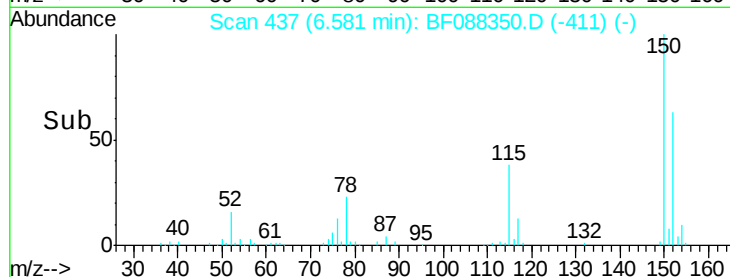
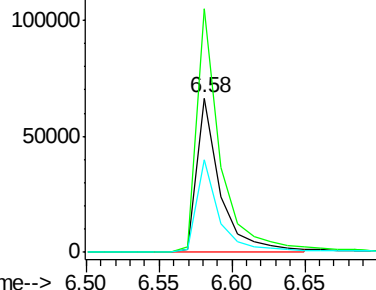
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.8	185.6
115	59.7	39.6	59.4

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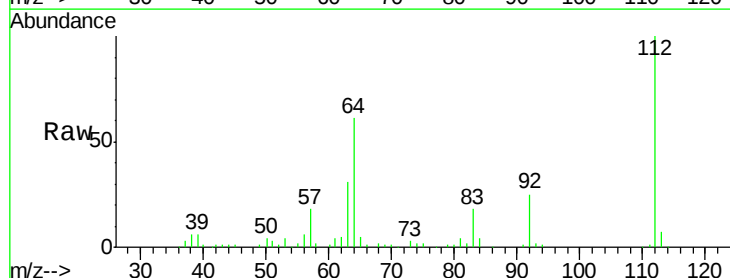
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



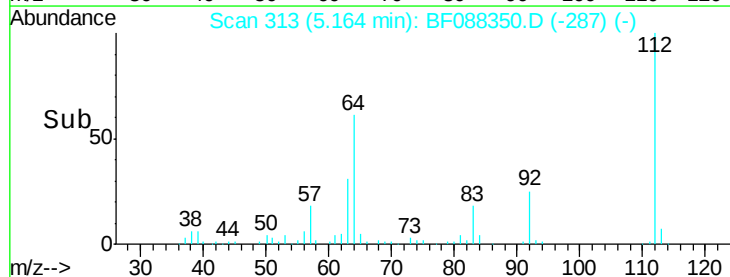
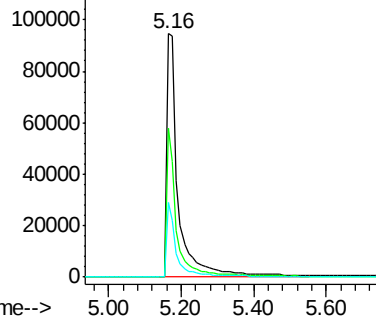
#5

2-Fluorophenol
Concen: 50.50 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.00 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	42.2	63.2
63	30.6	21.8	32.8



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: 51.32 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088350.D

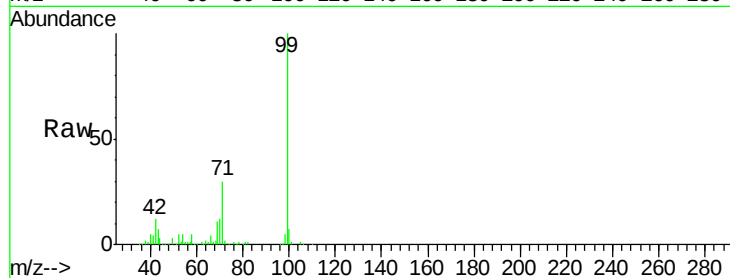
Acq: 25 Jun 2016 00:13

Instrument :

BNA_F

ClientSampleId :

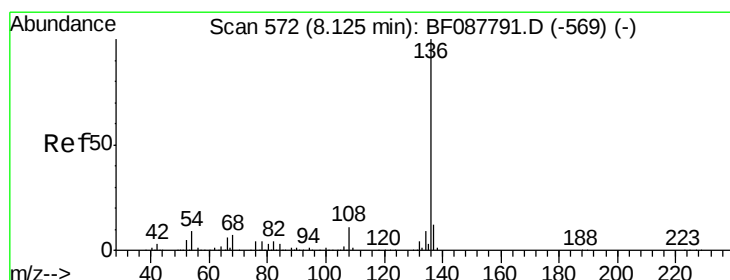
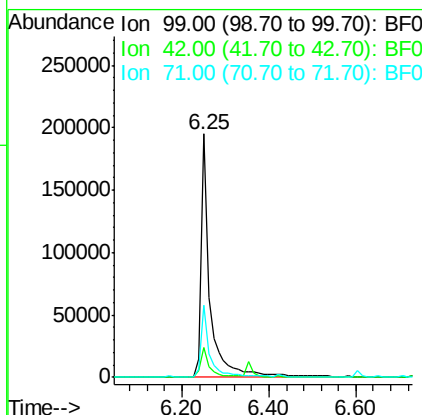
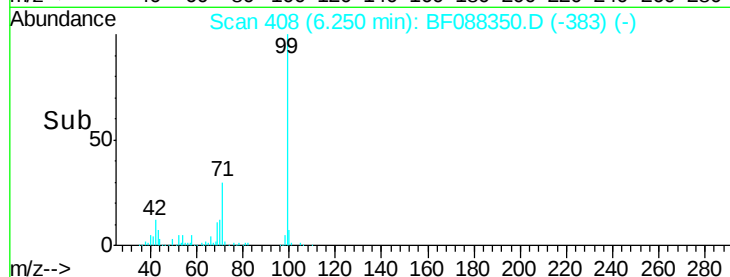
PM-STA-1402(0-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		274997		
42	12.4	12.2	18.2		
71	29.6	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

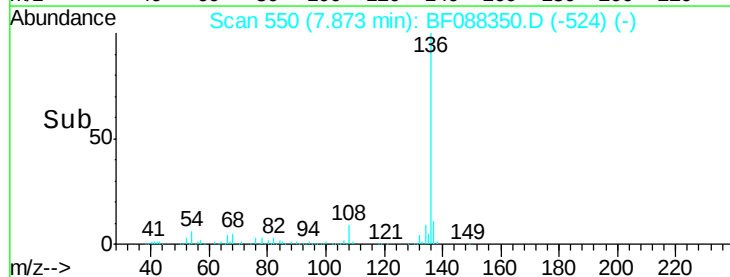
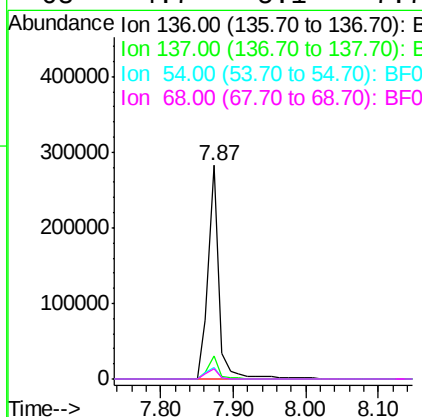
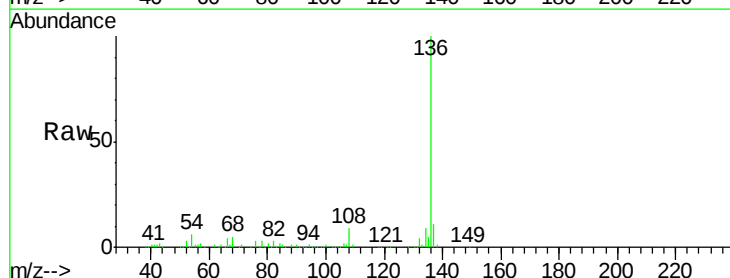
RT: 7.87 min Scan# 550

Delta R.T. -0.00 min

Lab File: BF088350.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		298723		
137	10.7	9.1	13.7		
54	5.7	6.6	10.0#		
68	4.7	5.1	7.7#		





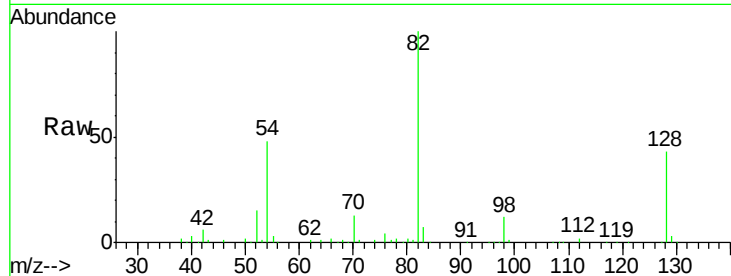
#23
 Nitrobenzene-d5
 Concen: 33.15 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1402(0-4)

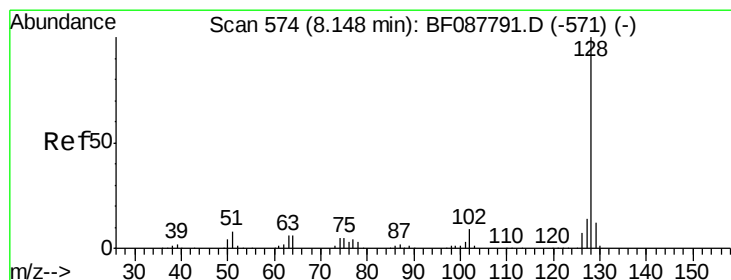
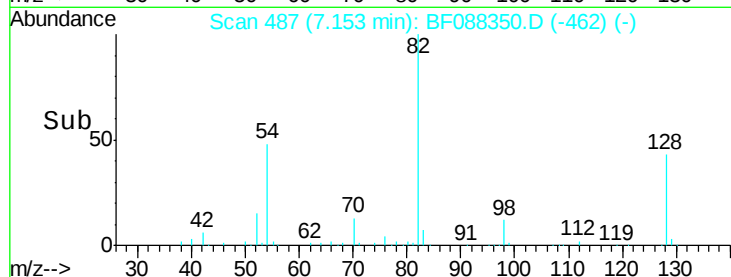
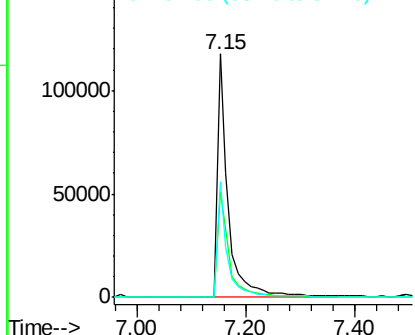
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	169567		
128	43.2	35.9	53.9	
54	47.7	40.9	61.3	

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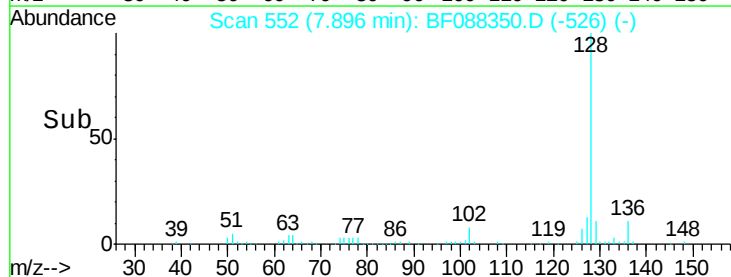
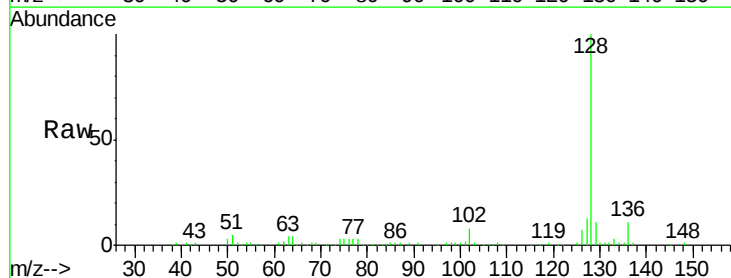
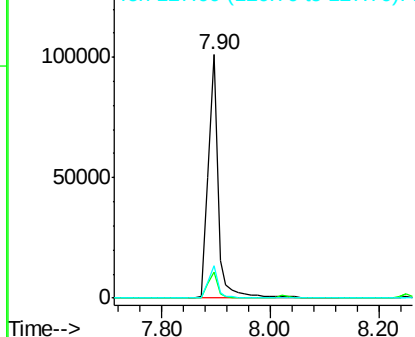
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

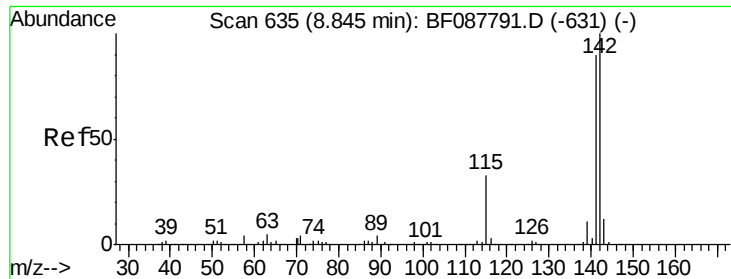


#31
 Naphthalene
 Concen: 8.74 ng
 RT: 7.90 min Scan# 552
 Delta R.T. -0.00 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	129159		
129	10.7	9.4	14.2	
127	13.1	10.9	16.3	

Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





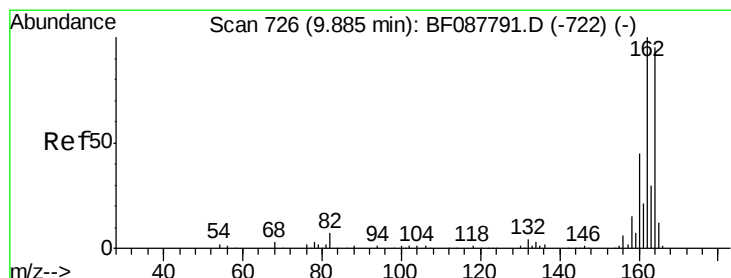
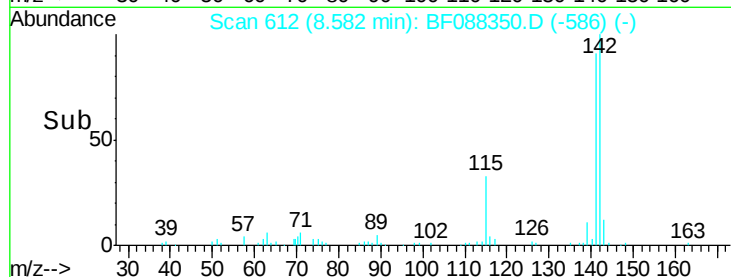
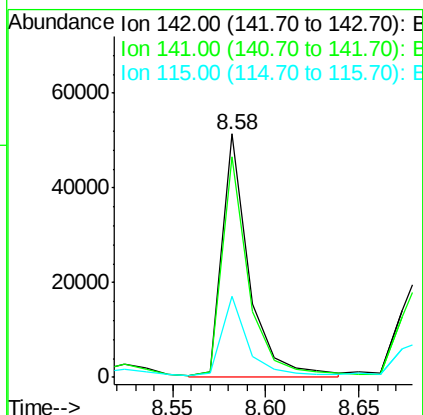
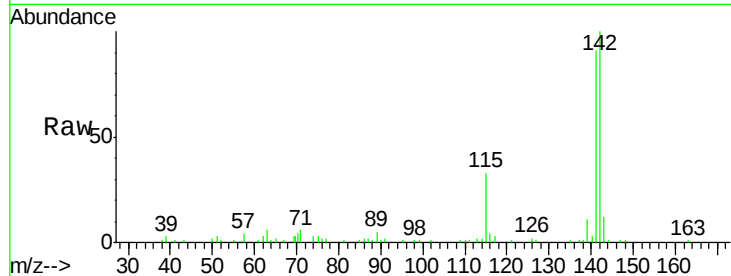
#37
 2-Methylnaphthalene
 Concen: 5.38 ng
 RT: 8.58 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1402(0-4)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.0	106.6
115	33.1	22.6	33.8

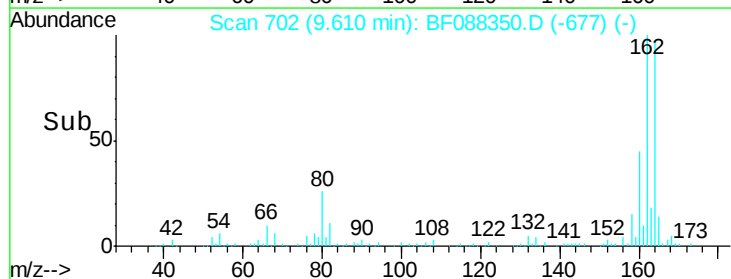
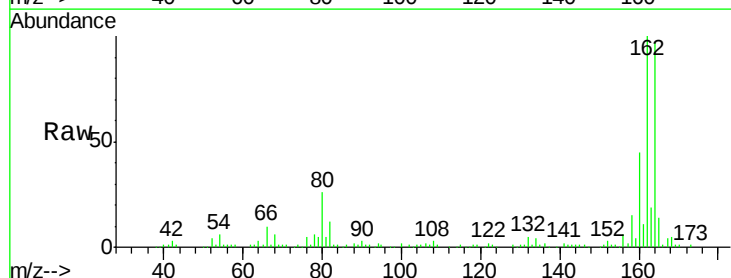
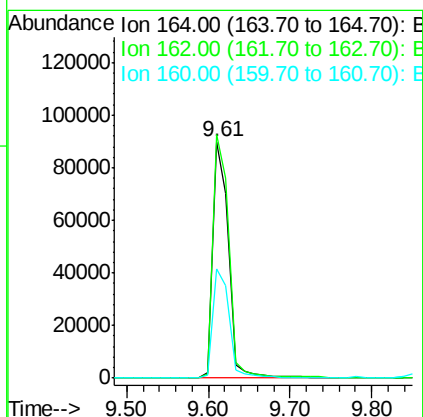
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.4	128.2
160	46.3	39.5	59.3





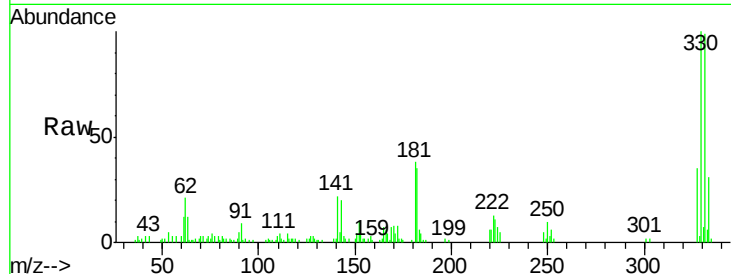
#41
 2,4,6-Tribromophenol
 Concen: 34.29 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1402(0-4)

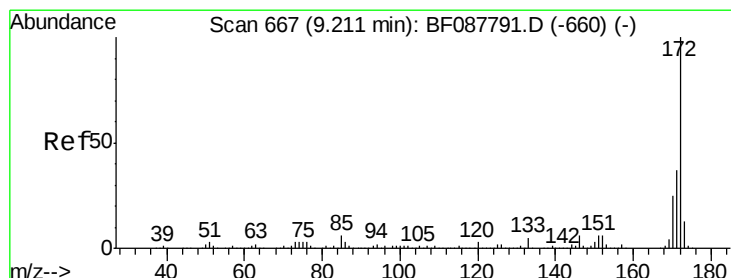
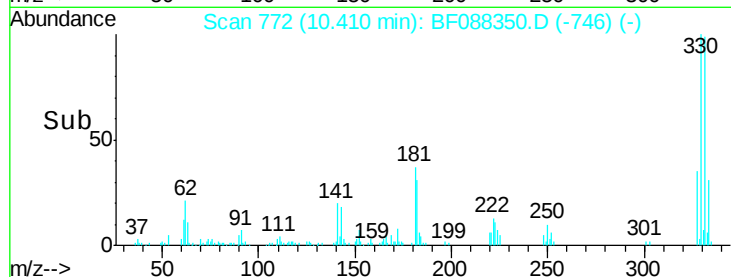
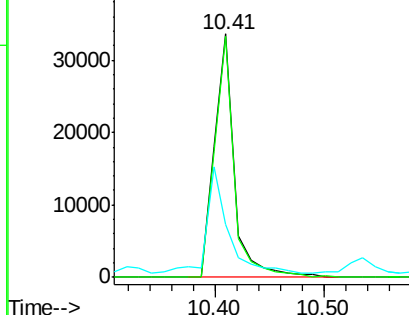
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	43521		
332	97.4	0.0	0.0	0.0
141	47.7	0.0	0.0	0.0

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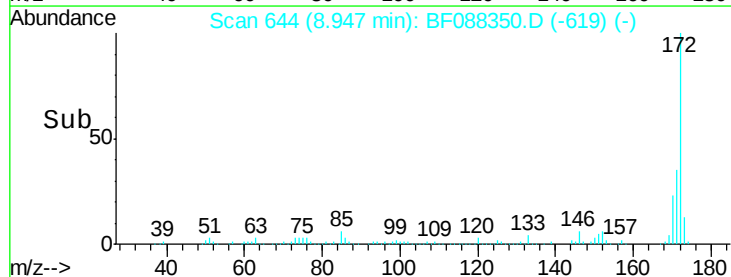
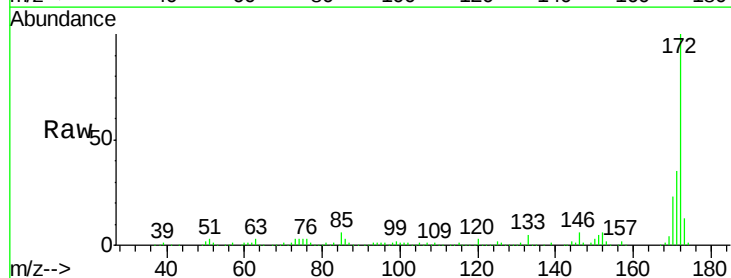
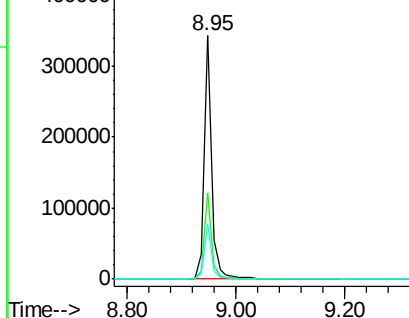
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

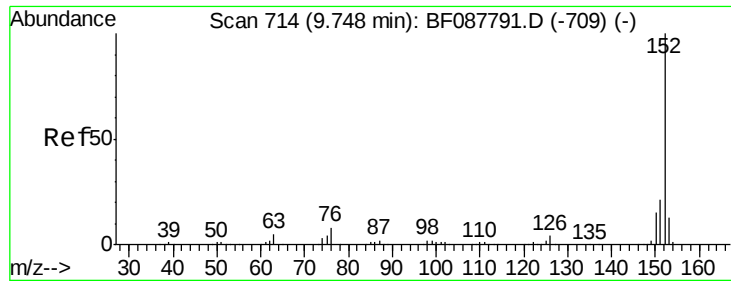


#44
 2-Fluorobiphenyl
 Concen: 39.44 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	324552		
171	35.2	28.6	43.0	
170	23.0	19.2	28.8	

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





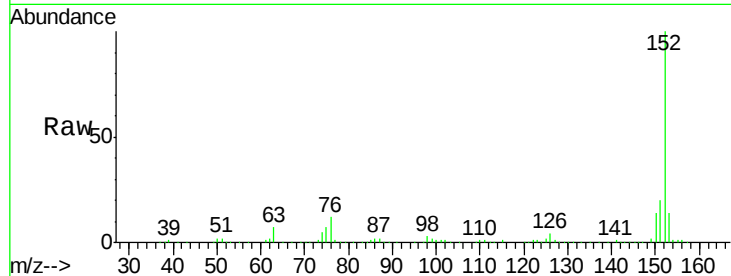
#48
Acenaphthylene
Concen: 32.03 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Instrument :
BNA_F
ClientSampleId :
PM-STA-1402(0-4)

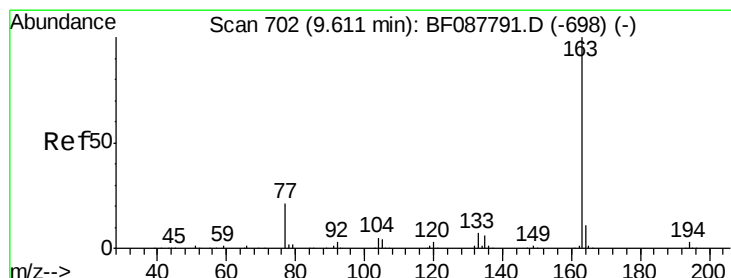
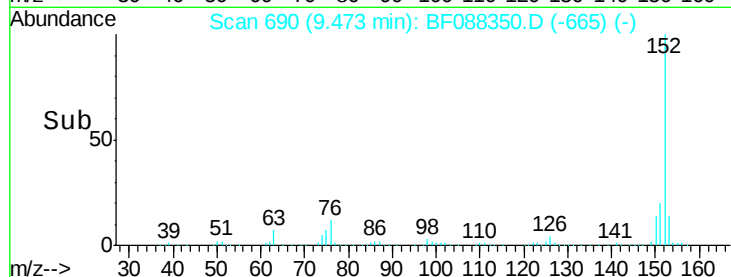
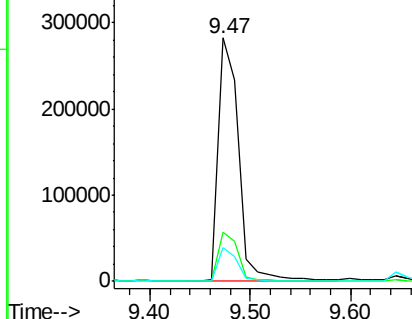
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	396361		
151	20.1	16.2	24.4	
153	13.6	11.0	16.6	

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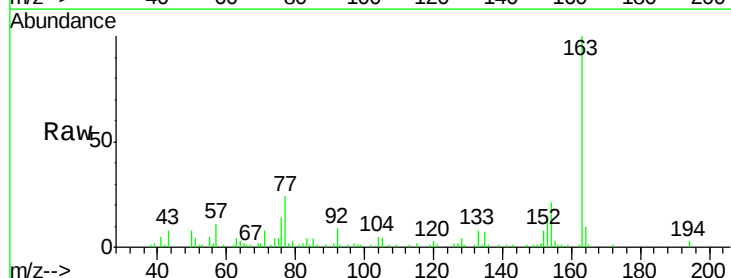


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

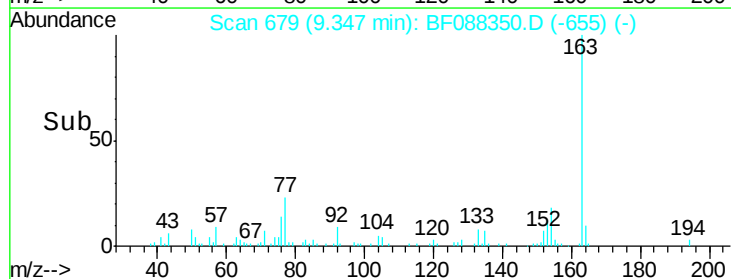
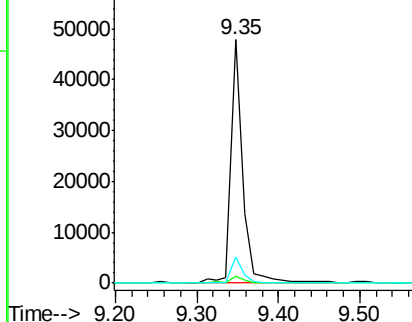


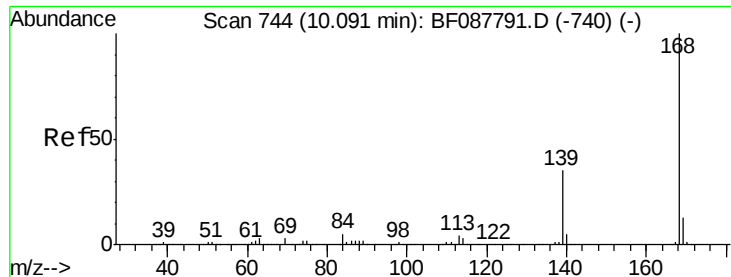
#49
Dimethylphthalate
Concen: 5.55 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.02 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	48317		
194	2.8	2.8	4.2	
164	10.5	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





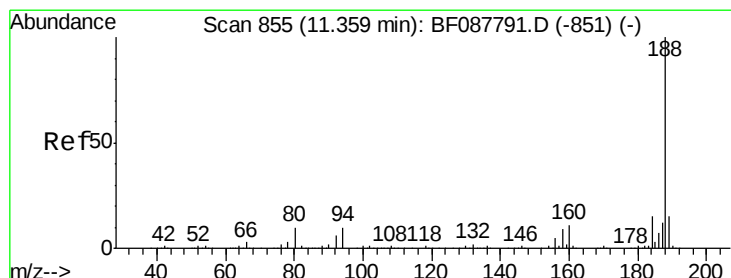
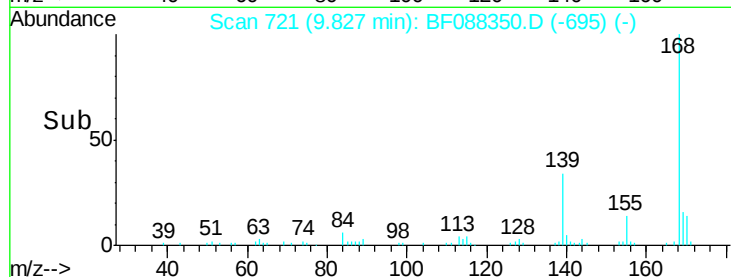
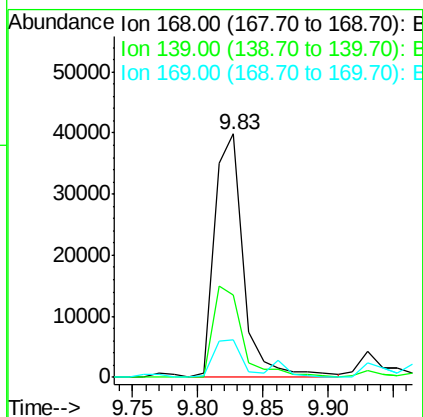
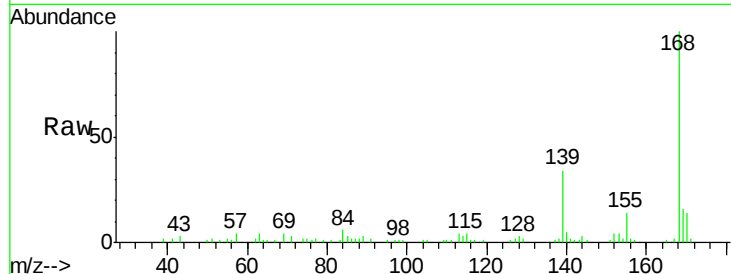
#54
Dibenzenofuran
Concen: 5.82 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.00 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Instrument :
BNA_F
ClientSampleId :
PM-STA-1402(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	61913		
139	34.0	26.4	39.6	
169	15.6	10.4	15.6	

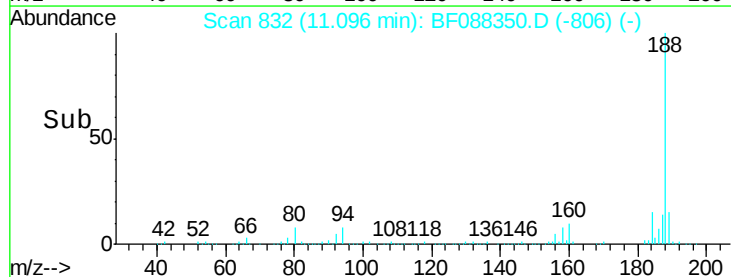
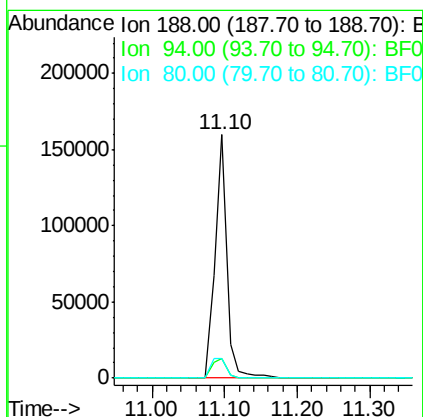
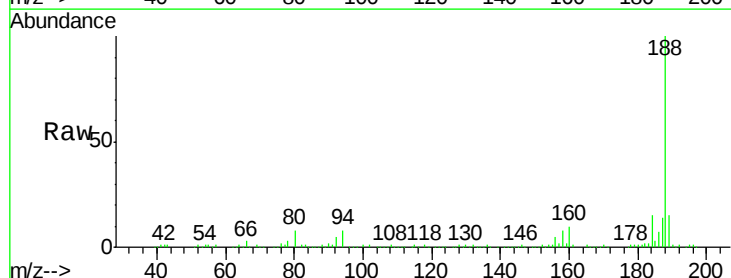
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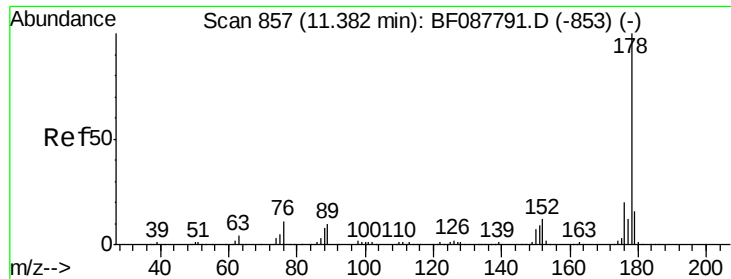
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	181815		
94	8.2	9.0	13.6#	
80	8.2	10.0	15.0#	





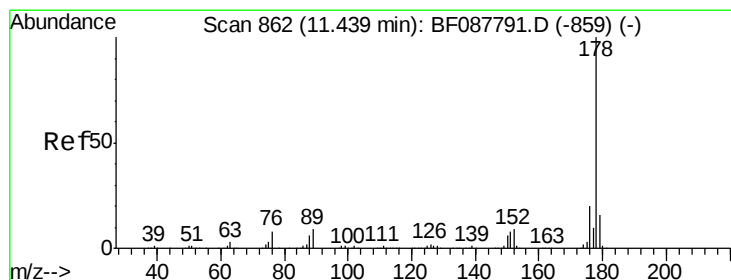
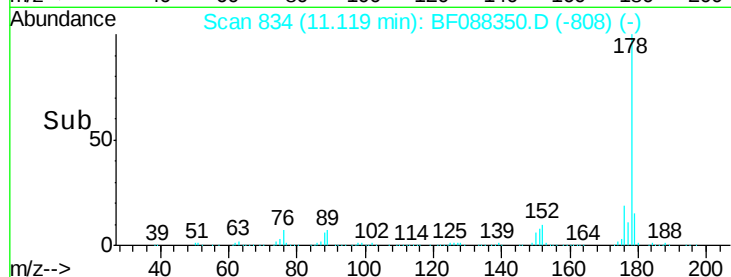
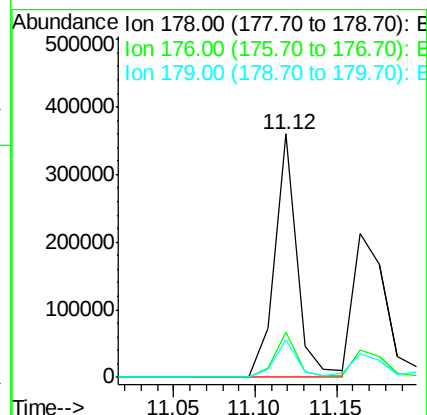
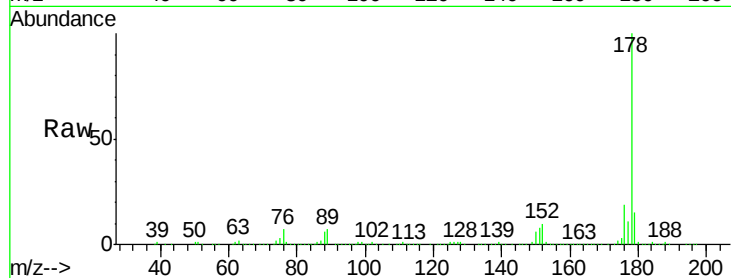
#70
Phenanthrene
Concen: 36.19 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Instrument :
BNA_F
ClientSampleId :
PM-STA-1402(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.3	13.0	19.4

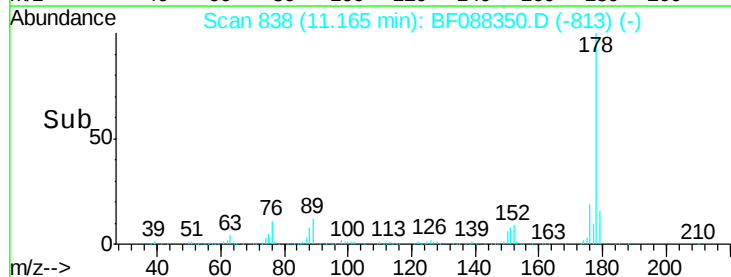
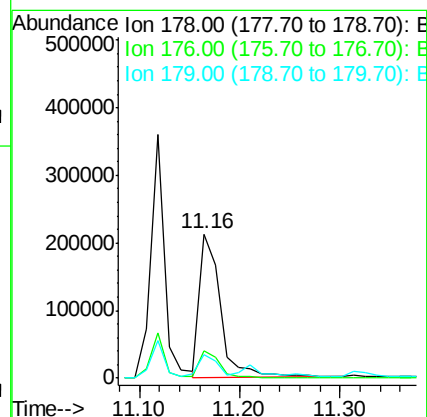
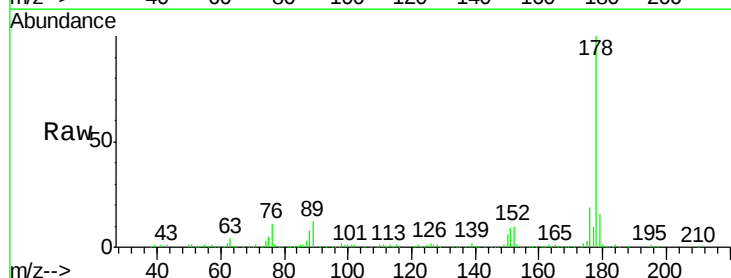
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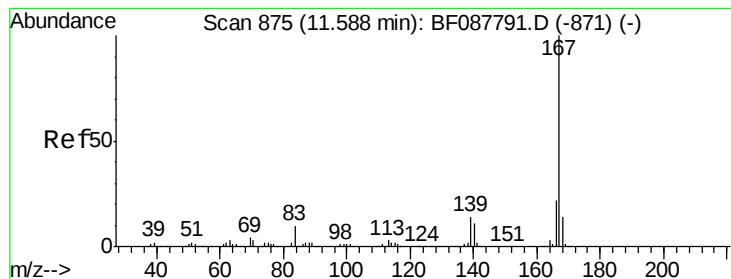
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#71
Anthracene
Concen: 32.32 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	16.5	12.8	19.2





#72

Carbazole

Concen: 13.10 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF088350.D

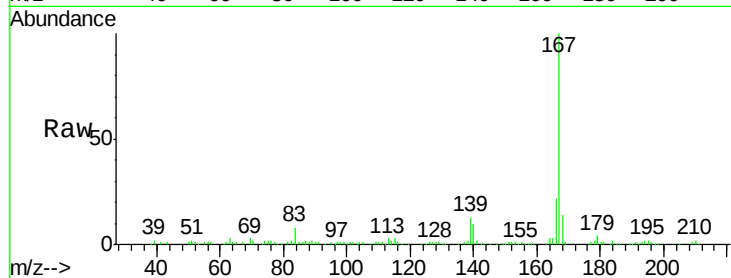
Acq: 25 Jun 2016 00:13

Instrument :

BNA_F

ClientSampleId :

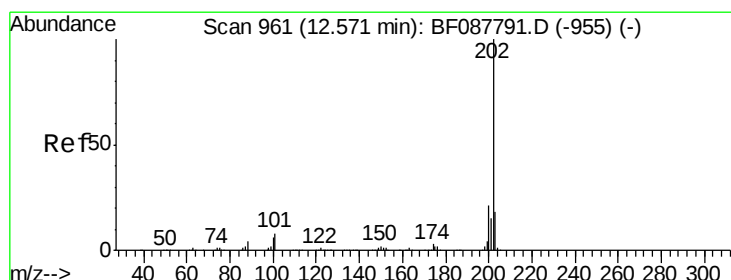
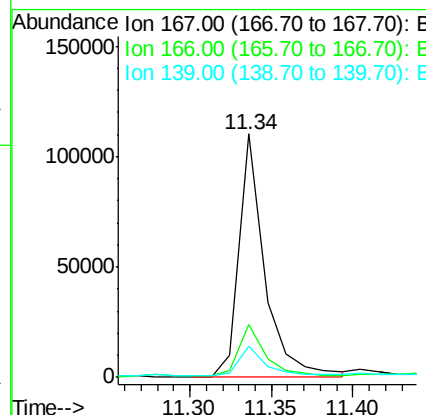
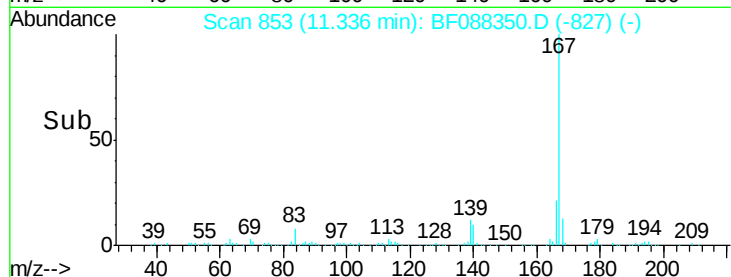
PM-STA-1402(0-4)



Tgt Ion:	167	Resp:	117981
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.8	26.6
139	12.7	11.2	16.8

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#74

Fluoranthene

Concen: 105.80 ng

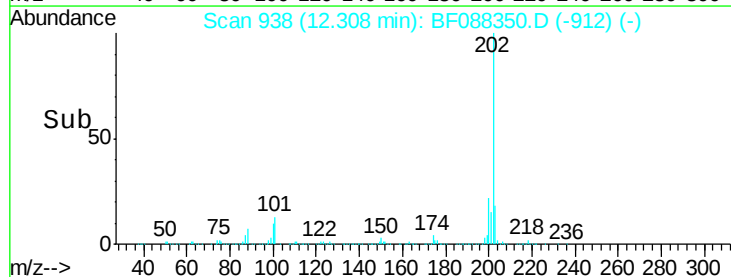
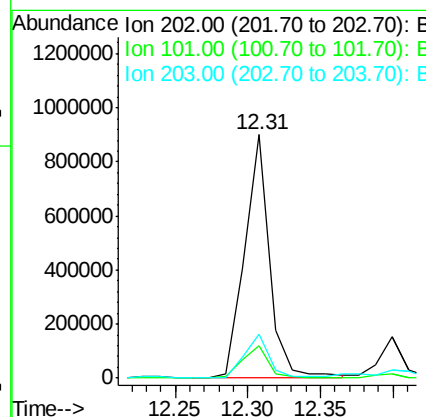
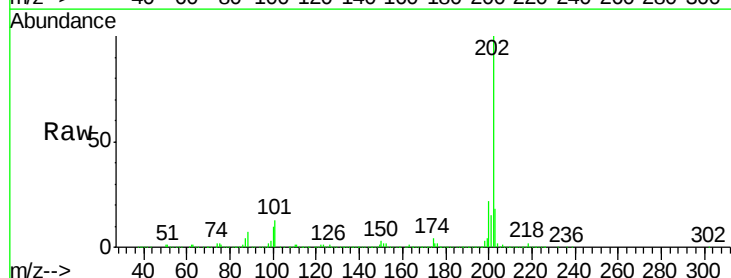
RT: 12.31 min Scan# 938

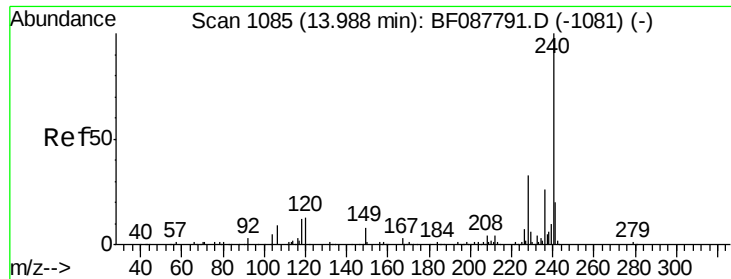
Delta R.T. -0.00 min

Lab File: BF088350.D

Acq: 25 Jun 2016 00:13

Tgt Ion:	202	Resp:	1065239
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. 0.01 min

Lab File: BF088350.D

Acq: 25 Jun 2016 00:13

Instrument :

BNA_F

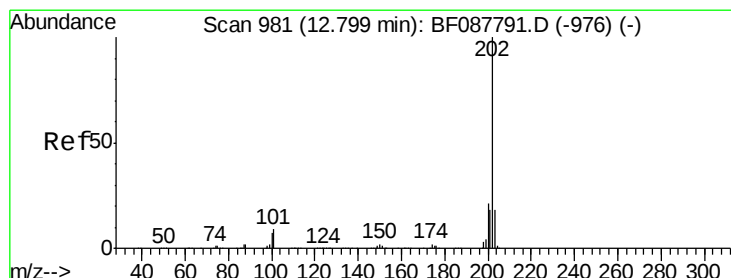
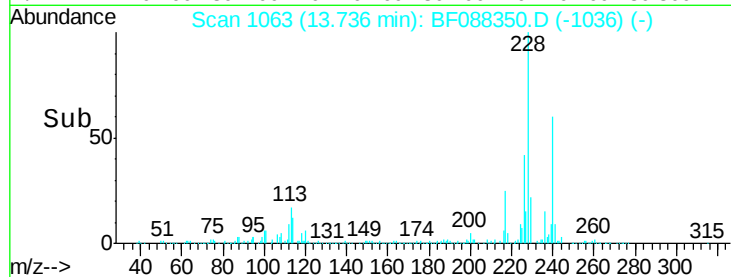
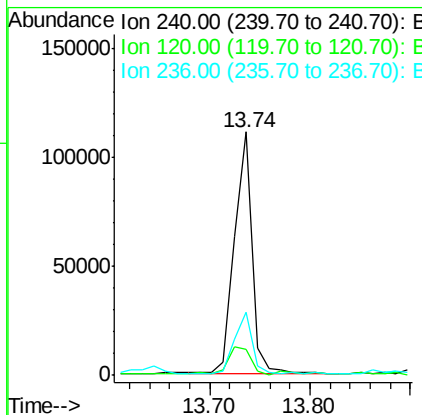
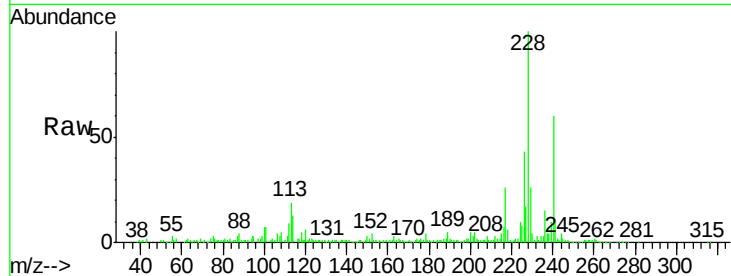
ClientSampleId :

PM-STA-1402(0-4)

Tgt	Ion	240	Resp	135068
	Ratio	100	Lower	Upper
	240	100		
	120	10.5	6.8	10.2#
	236	25.9	20.2	30.2

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#77

Pyrene

Concen: 108.82 ng

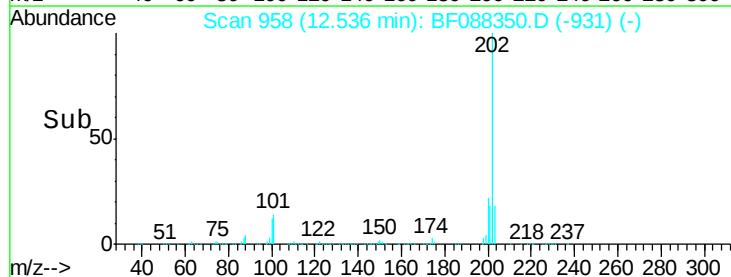
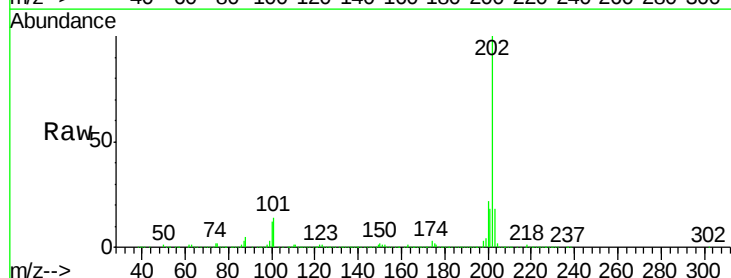
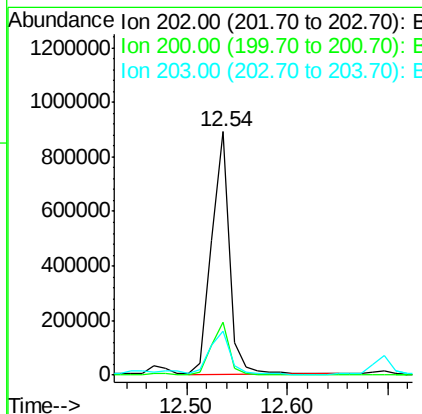
RT: 12.54 min Scan# 958

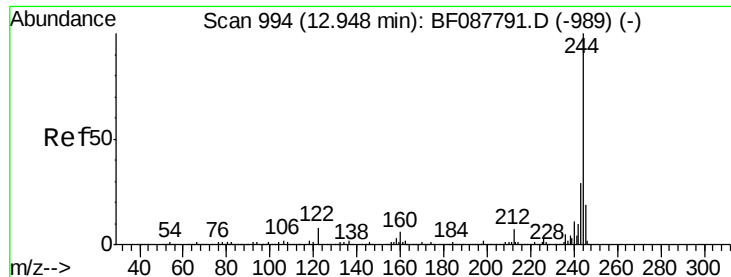
Delta R.T. 0.01 min

Lab File: BF088350.D

Acq: 25 Jun 2016 00:13

Tgt	Ion	202	Resp	1090728
	Ratio	100	Lower	Upper
	202	100		
	200	21.8	17.4	26.2
	203	18.3	14.5	21.7





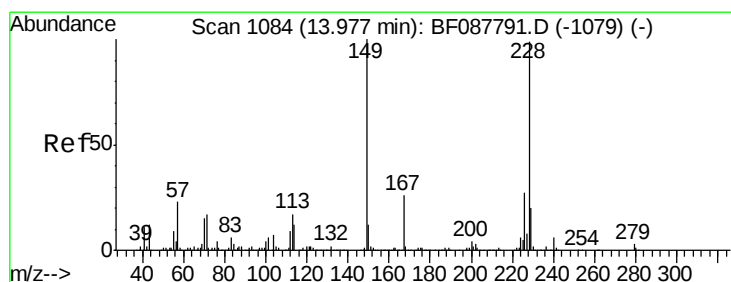
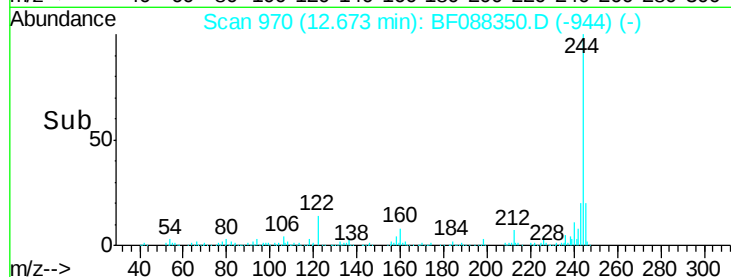
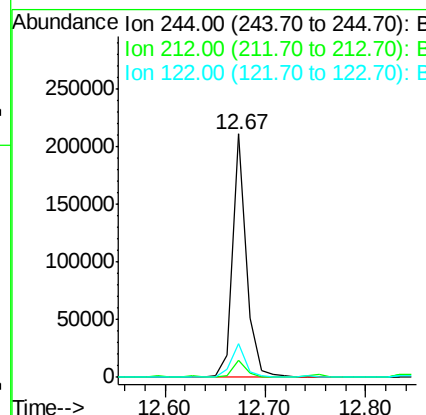
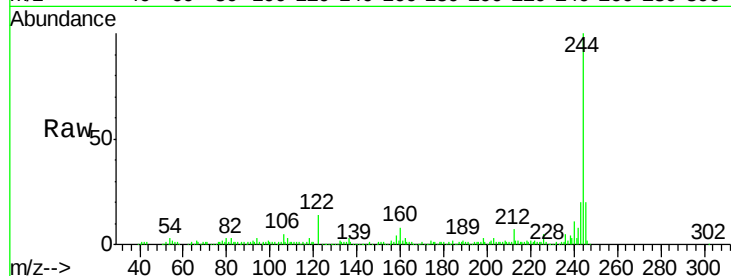
#78
 Terphenyl-d14
 Concen: 34.01 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1402(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	6.0	9.0
122	13.8	11.2	16.8

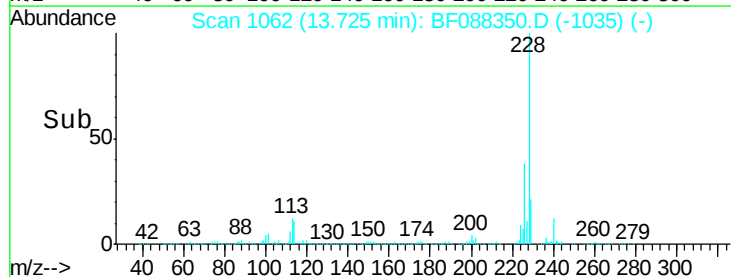
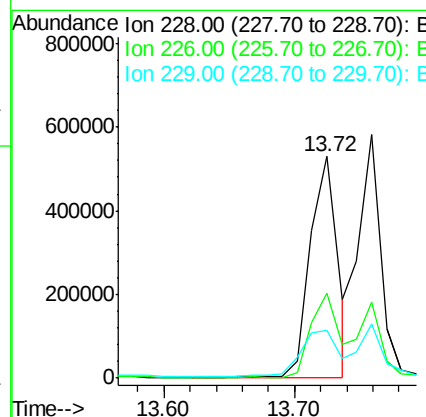
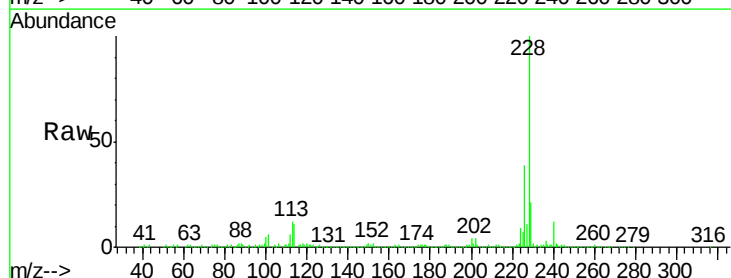
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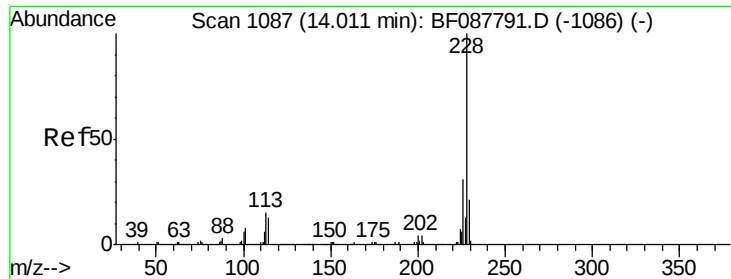
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#80
 Benzo(a)anthracene
 Concen: 99.38 ng
 RT: 13.72 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	38.6	22.3	33.5#
229	21.4	16.0	24.0





#82

Chrysene

Concen: 96.34 ng m

RT: 13.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF088350.D

Acq: 25 Jun 2016 00:13

Instrument :

BNA_F

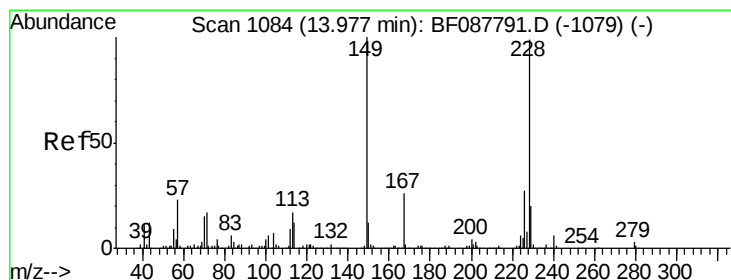
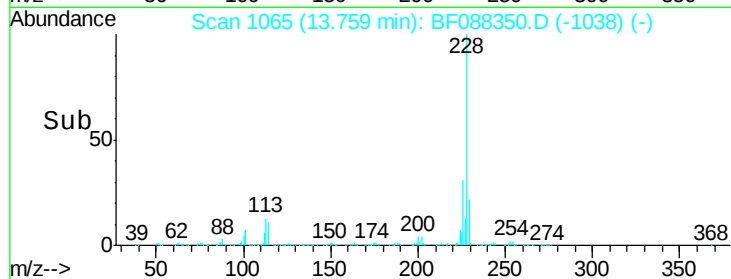
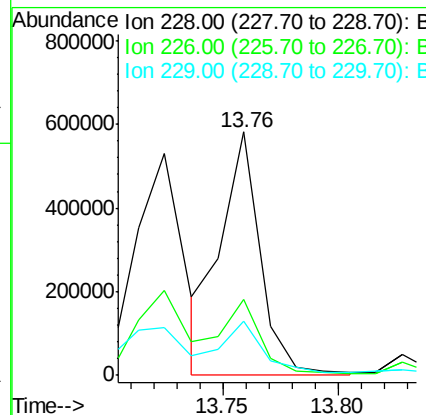
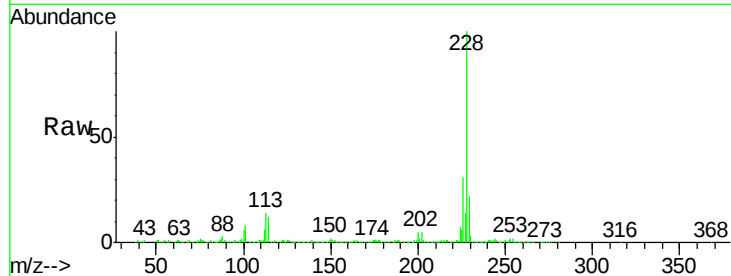
ClientSampleId :

PM-STA-1402(0-4)

Tgt Ion:	228	Resp:	697643
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.4	38.2
229	22.2	16.3	24.5

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.60 ng

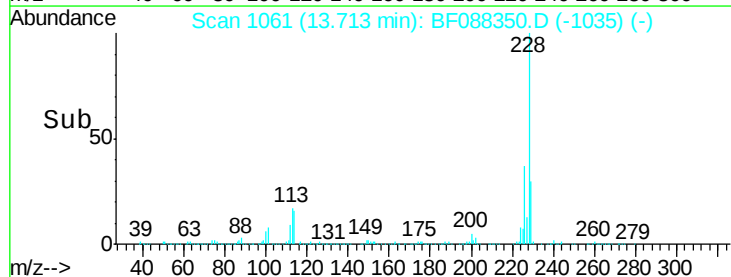
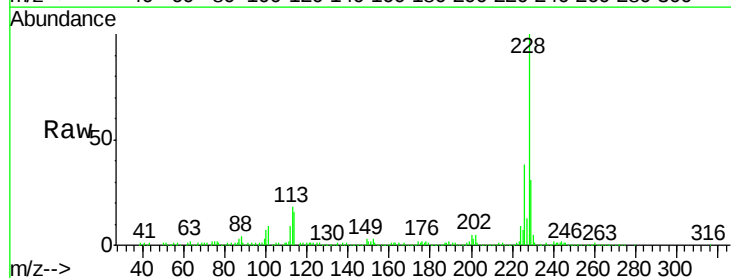
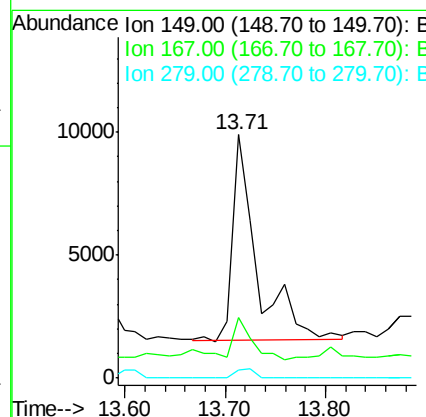
RT: 13.71 min Scan# 1061

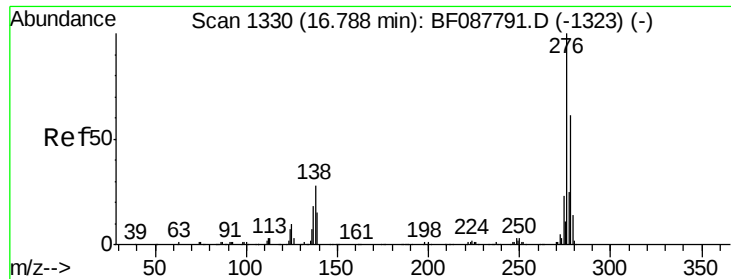
Delta R.T. -0.00 min

Lab File: BF088350.D

Acq: 25 Jun 2016 00:13

Tgt Ion:	149	Resp:	14047
Ion Ratio	Lower	Upper	
149	100		
167	25.0	20.5	30.7
279	3.1	2.0	3.0#





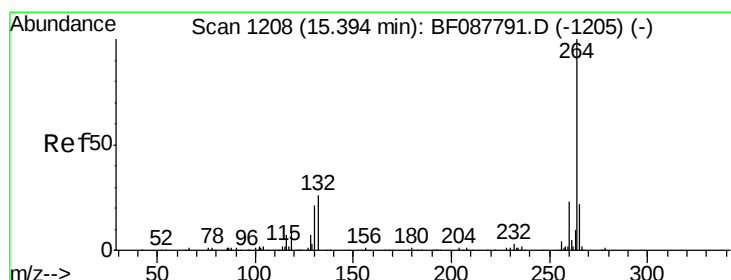
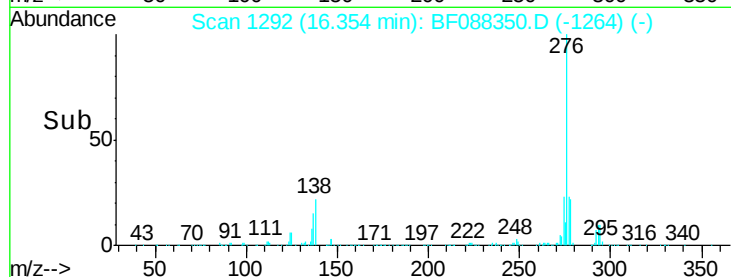
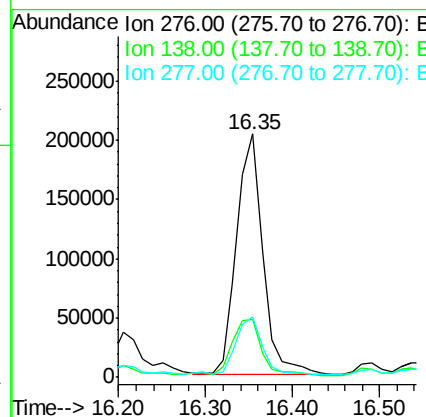
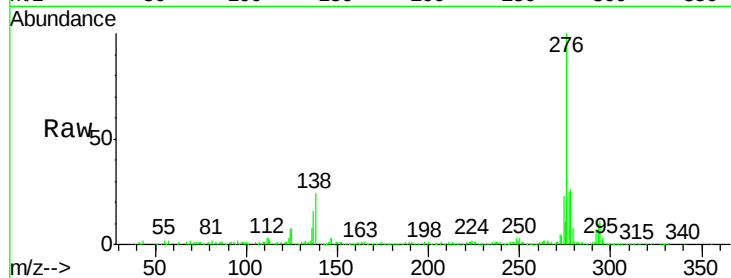
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 63.66 ng
 RT: 16.35 min Scan# 1292
 Delta R.T. 0.02 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1402(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.5	0.0	0.0#
277	24.5	0.0	0.0#

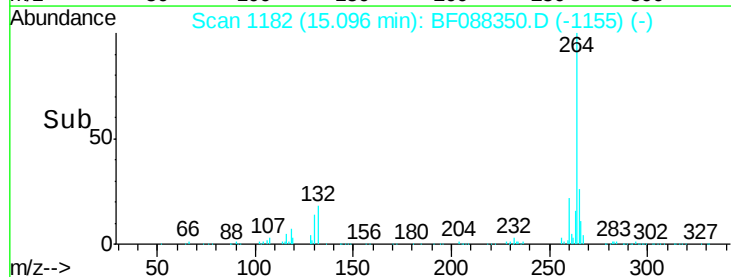
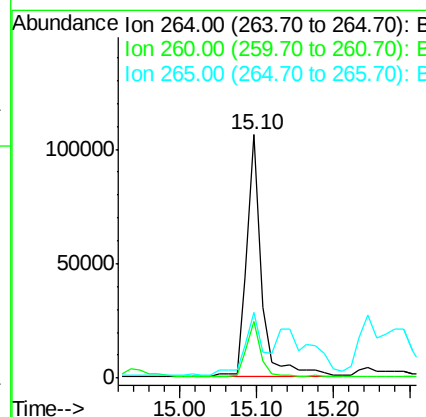
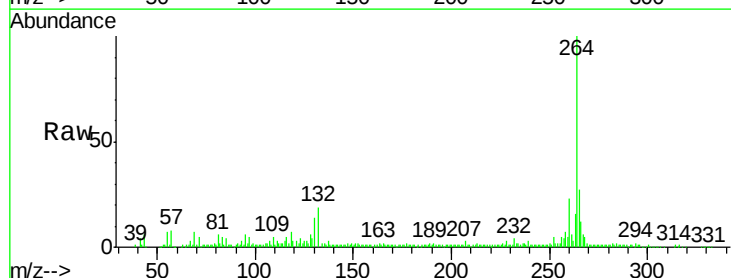
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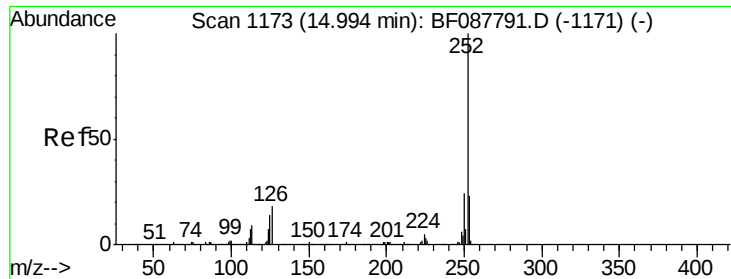
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: BF088350.D
 Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.5	19.2	28.8
265	26.9	16.9	25.3#





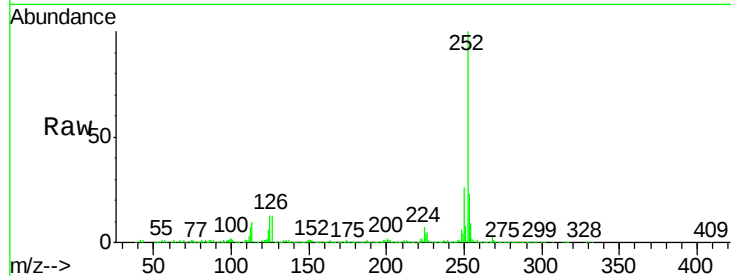
#87
Benzo(b)fluoranthene
Concen: 130.34 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.02 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Instrument :
BNA_F
ClientSampleId :
PM-STA-1402(0-4)

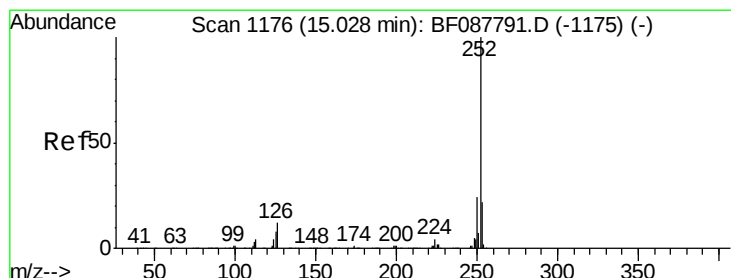
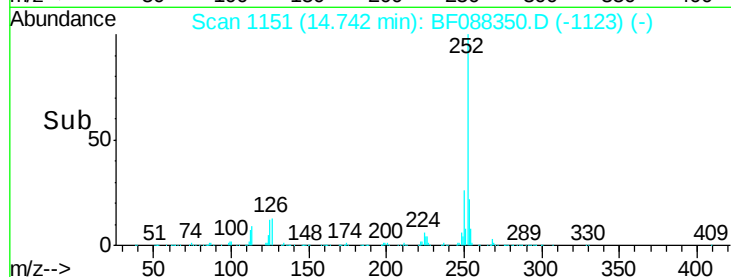
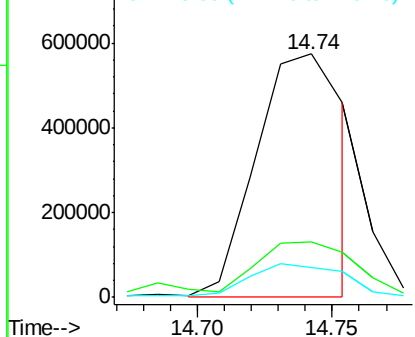
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	12.5	7.1	10.7

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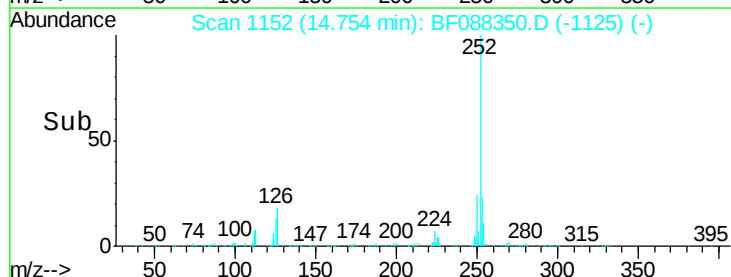
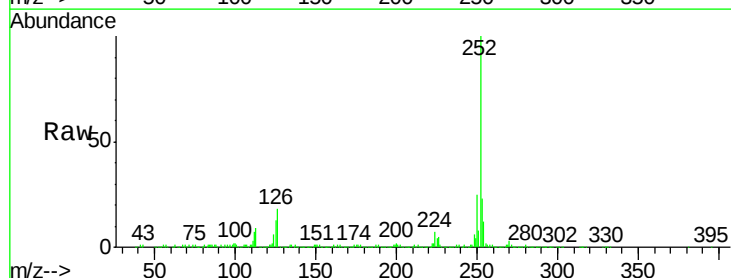
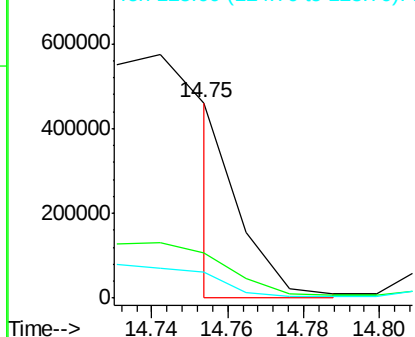
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

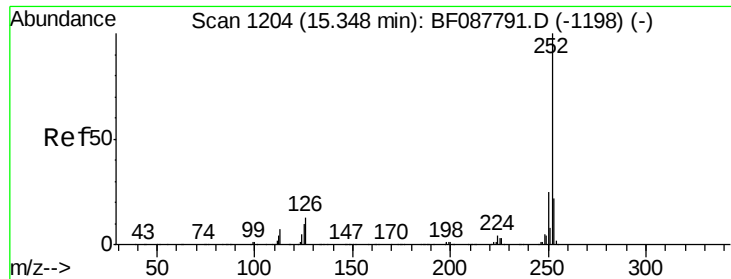


#88
Benzo(k)fluoranthene
Concen: 17.22 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	13.3	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





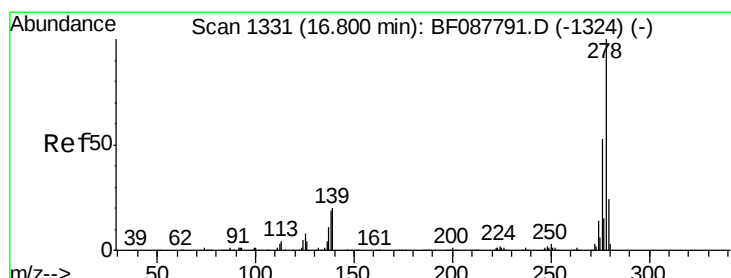
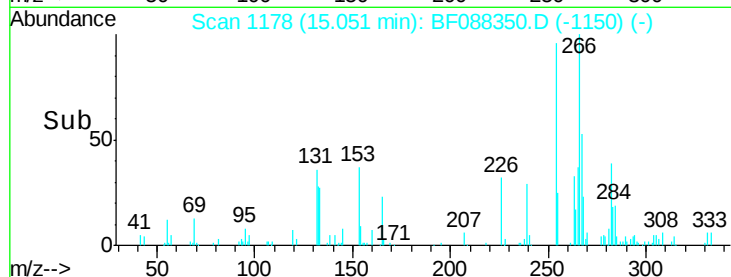
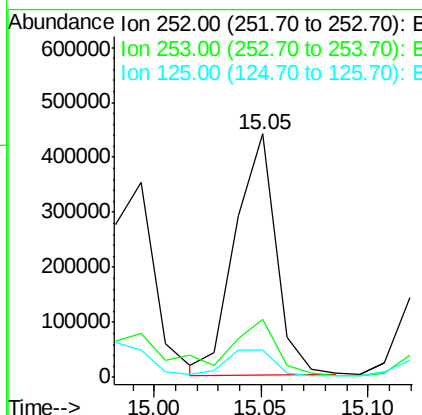
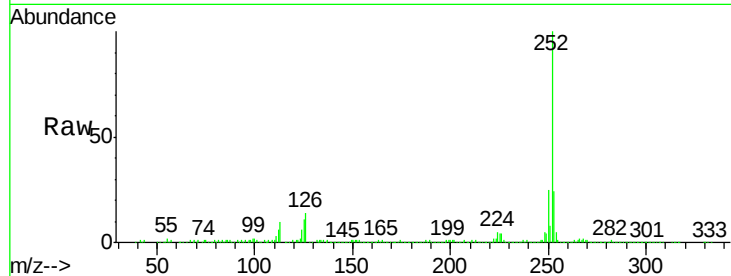
#89
Benzo(a)pyrene
Concen: 72.52 ng m
RT: 15.05 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Instrument :
BNA_F
ClientSampleId :
PM-STA-1402(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.4	12.5	18.7#

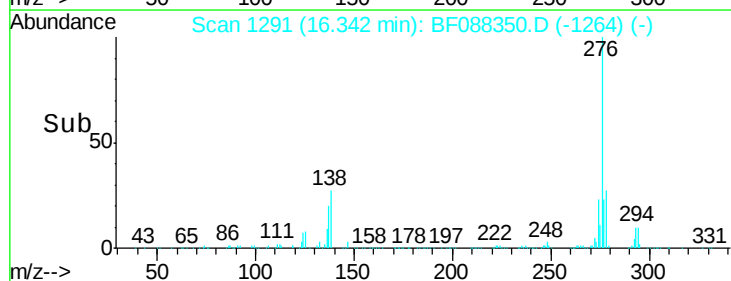
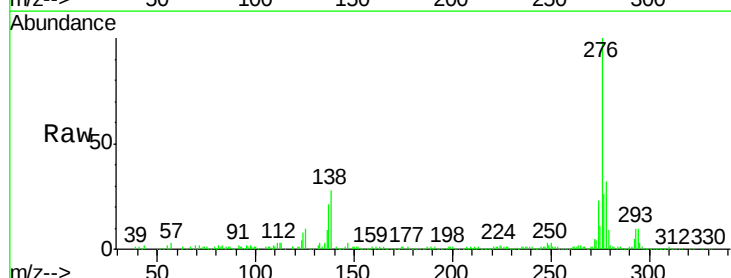
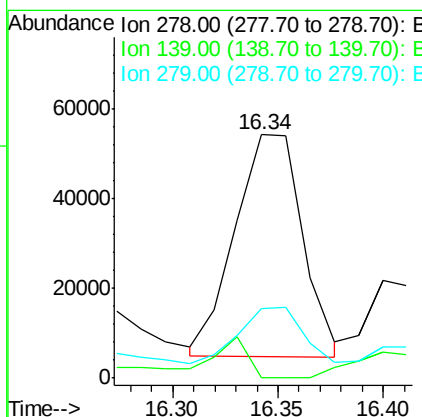
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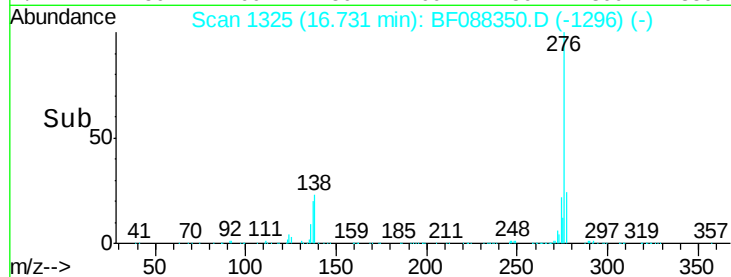
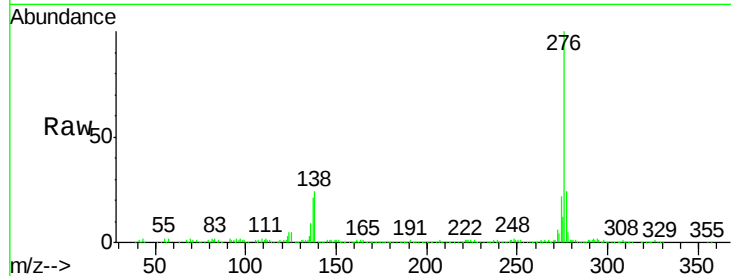
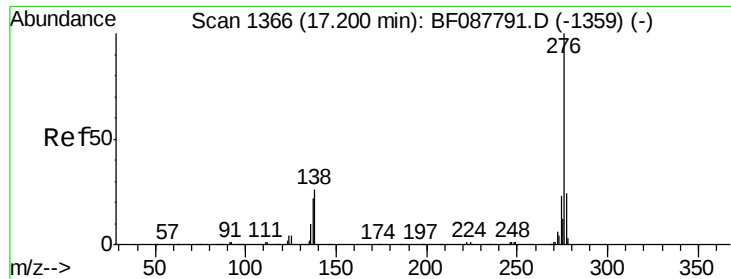
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#90
Dibenzo(a,h)anthracene
Concen: 14.65 ng m
RT: 16.34 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BF088350.D
Acq: 25 Jun 2016 00:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.4	19.4	29.2





#91

Benzo(g,h,i)perylene

Concen: 46.38 ng

RT: 16.73 min Scan# 1325

Delta R.T. 0.03 min

Lab File: BF088350.D

Acq: 25 Jun 2016 00:13

Instrument :

BNA_F

ClientSampleId :

PM-STA-1402(0-4)

Tgt Ion: 276 Resp: 358669

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 24.4 21.4 32.2

Manual Integrations
APPROVED

sohil
6/27/2016 8:12:26 PM

