

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088347.D
 Acq On : 24 Jun 2016 22:46
 Operator : UM/SJ
 Sample : H3599-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1422(0-4)

Manual Integrations
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Quant Time: Jun 25 04:59:26 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	75609m	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	306509	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	133919	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	216962	20.00	ng	0.00
75) Chrysene-d12	13.73	240	177475	20.00	ng	0.00
86) Perylene-d12	15.07	264	152113	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	311913	70.52	ng	0.00
7) Phenol-d6	6.25	99	387713	72.33	ng	-0.01
23) Nitrobenzene-d5	7.15	82	229587	43.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	65431	46.27	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	315809	33.70	ng	-0.01
78) Terphenyl-d14	12.67	244	149061	19.11	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.47	152	37908	2.75	ng	99
49) Dimethylphthalate	9.35	163	66153	6.82	ng	99
70) Phenanthrene	11.12	178	245385	21.55	ng	98
71) Anthracene	11.16	178	70474	6.14	ng	97
72) Carbazole	11.34	167	26974	2.51	ng	98
74) Fluoranthene	12.30	202	397992	33.13	ng	99
77) Pyrene	12.53	202	372921	28.32	ng	99
80) Benzo(a)anthracene	13.71	228	187725	18.56	ng	# 92
82) Chrysene	13.75	228	175460m	18.44	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	52328	5.92	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	211941m	19.99	ng	
88) Benzo(k)fluoranthene	14.73	252	43369m	5.42	ng	
89) Benzo(a)pyrene	15.03	252	103792m	12.10	ng	
91) Benzo(g,h,i)perylene	16.70	276	43687	5.33	ng	94

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

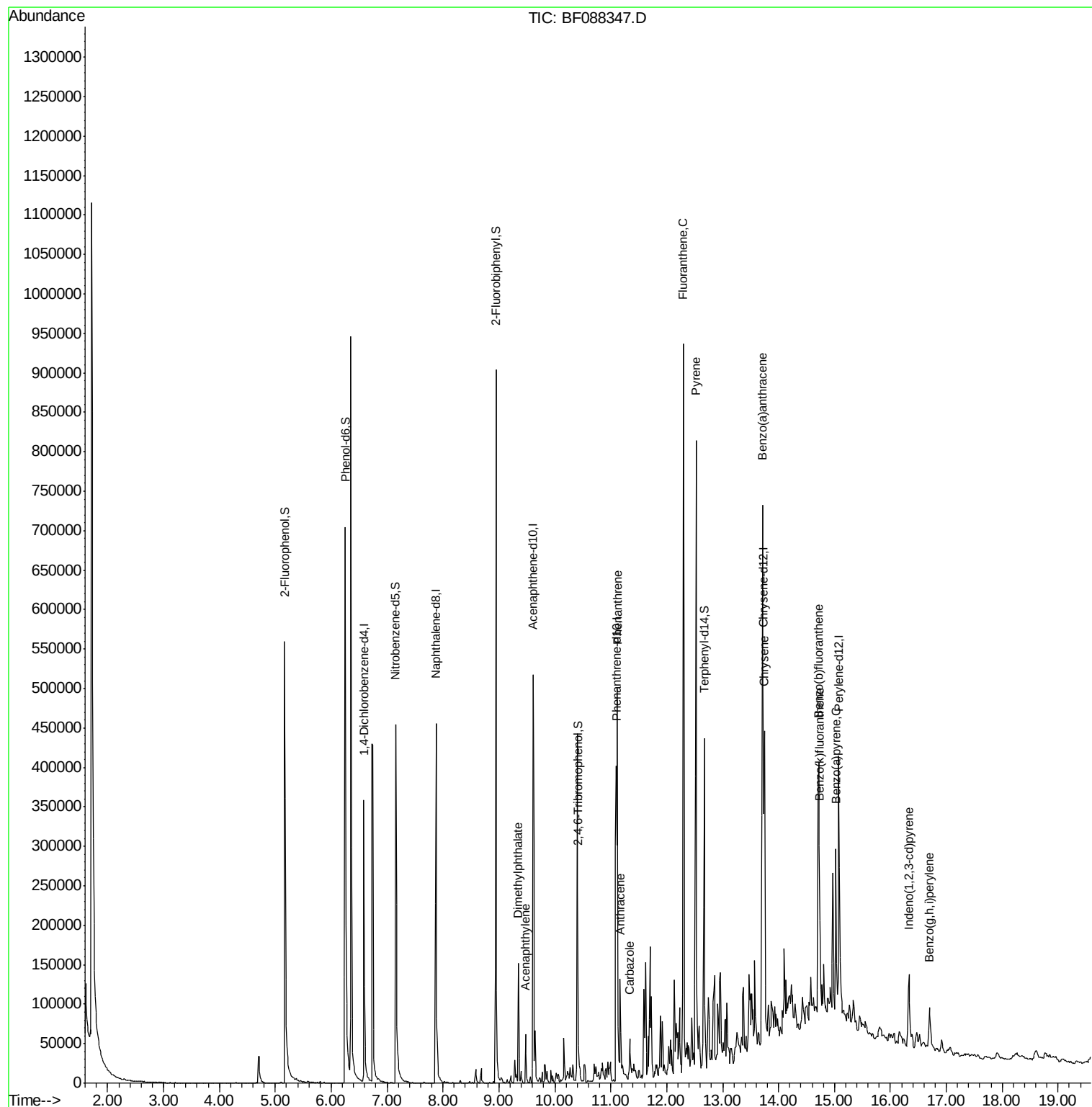
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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ALS Vial : 17 Sample Multiplier: 1

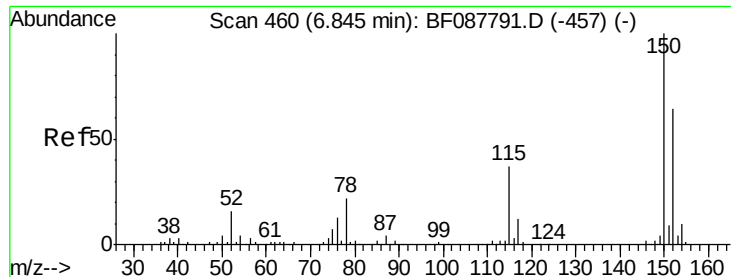
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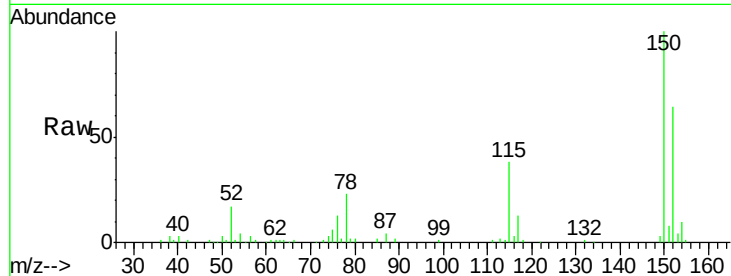




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.58 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

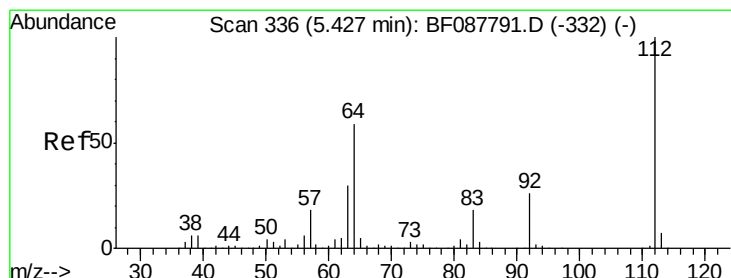
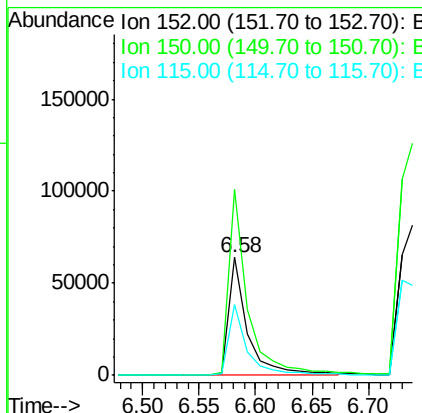
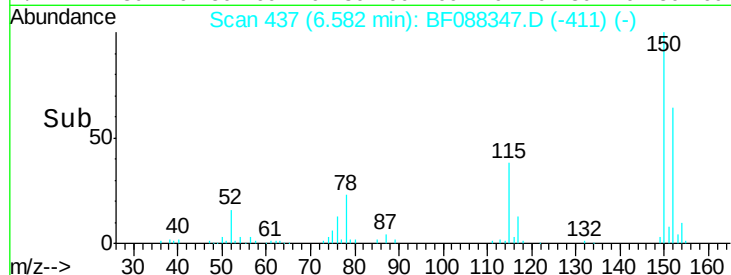
Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	123.8	185.6
115	60.1	39.6	59.4

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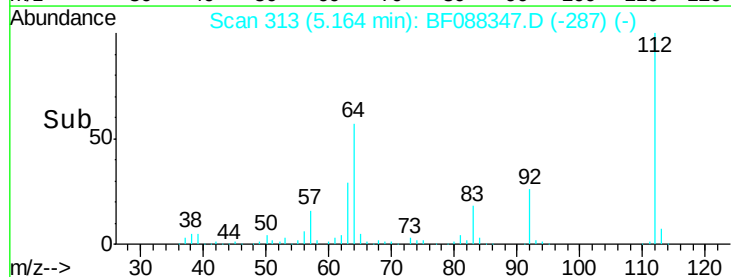
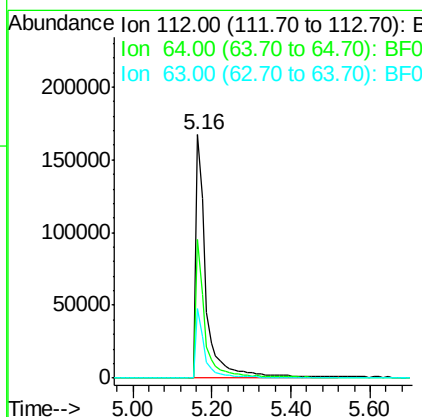
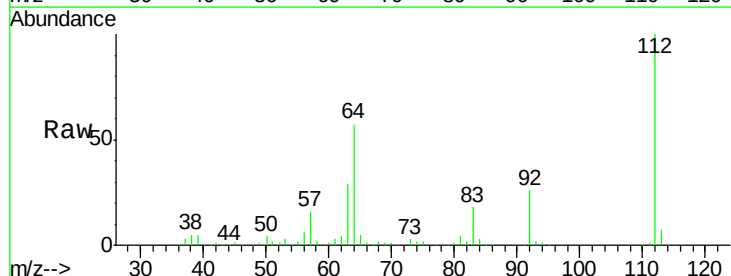
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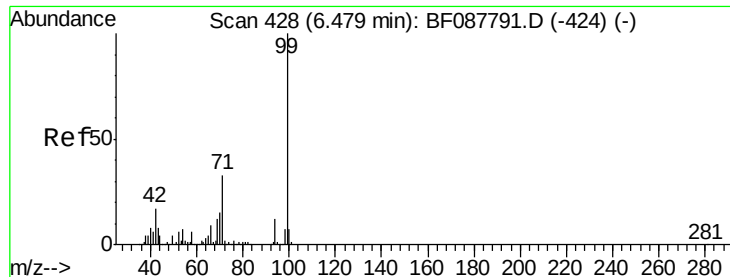


#5

2-Fluorophenol
Concen: 70.52 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.2	63.2
63	28.8	21.8	32.8





#7

Phenol-d6

Concen: 72.33 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Instrument :

BNA_F

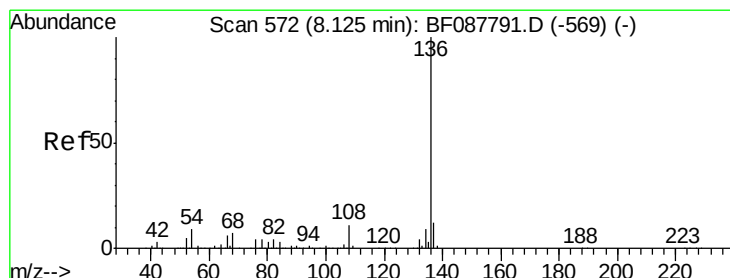
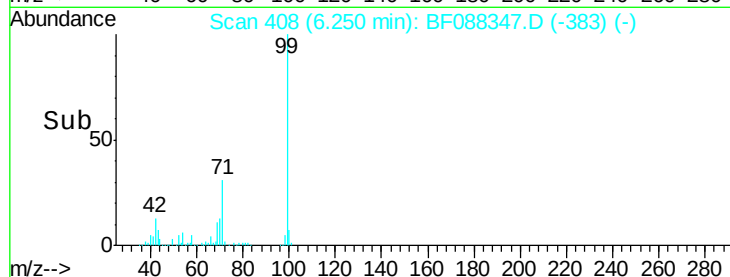
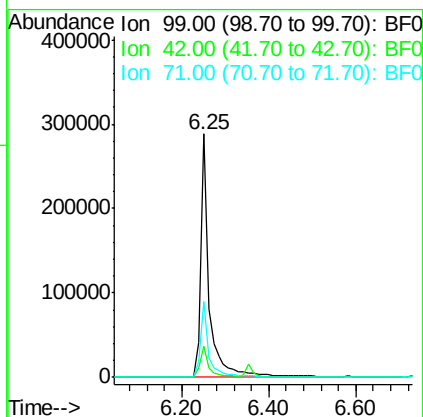
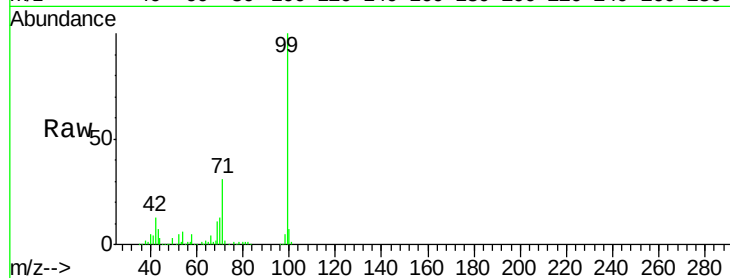
ClientSampleId :

PM-STA-1422(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	387713		
42	12.9	12.2	18.2	
71	31.1	23.4	35.0	

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#21

Naphthalene-d8

Concen: 20.00 ng

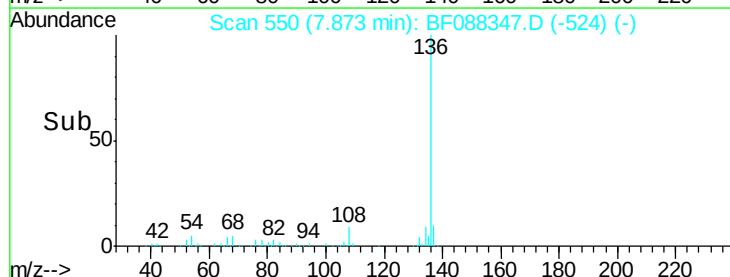
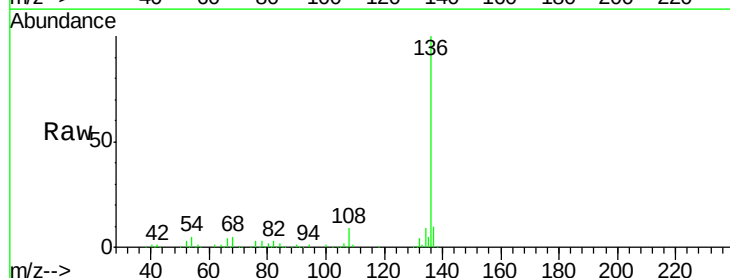
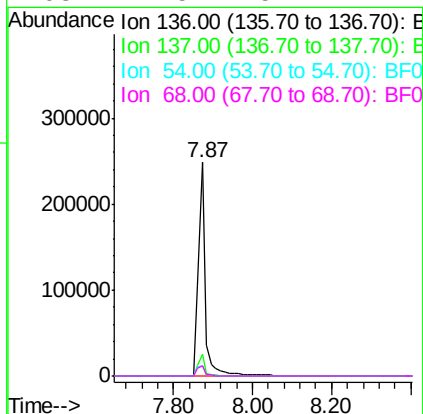
RT: 7.87 min Scan# 550

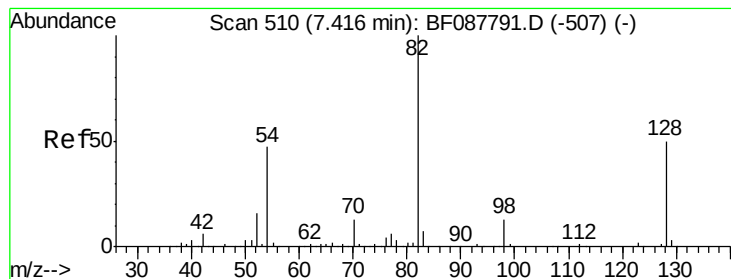
Delta R.T. -0.00 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	306509		
137	10.4	9.1	13.7	
54	5.1	6.6	10.0#	
68	4.5	5.1	7.7#	





#23

Nitrobenzene-d5

Concen: 43.74 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Instrument :

BNA_F

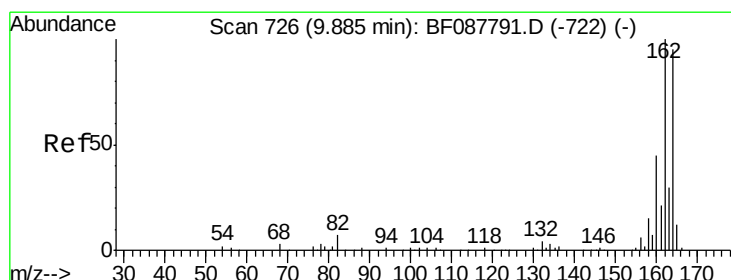
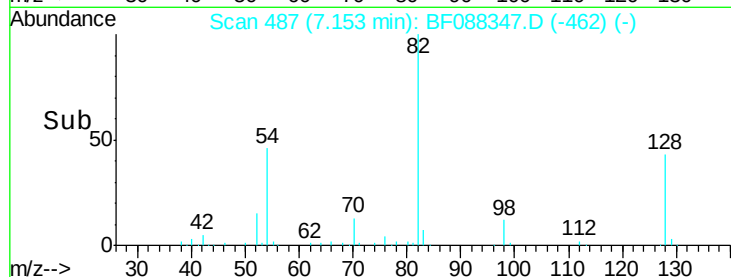
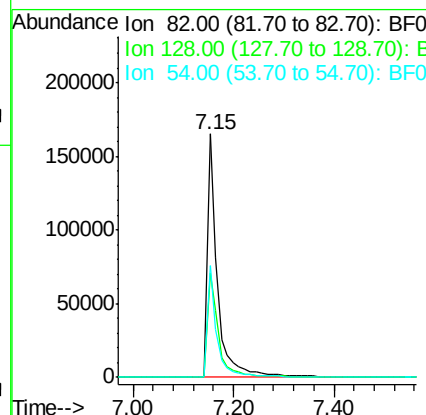
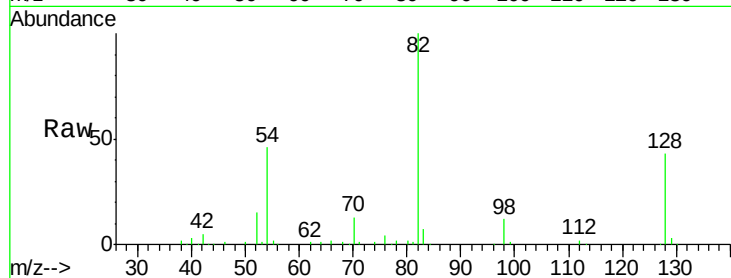
ClientSampleId :

PM-STA-1422(0-4)

Tgt Ion:	82	Resp:	229587
Ion Ratio	Lower	Upper	
82	100		
128	42.9	35.9	53.9
54	45.8	40.9	61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

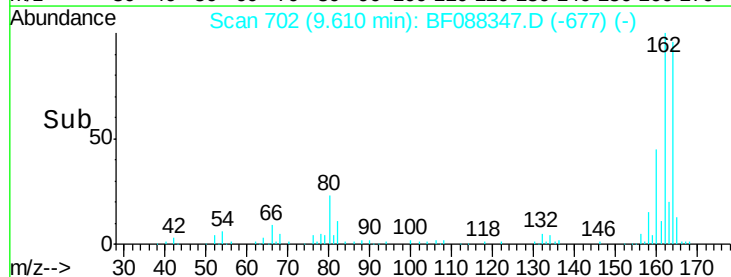
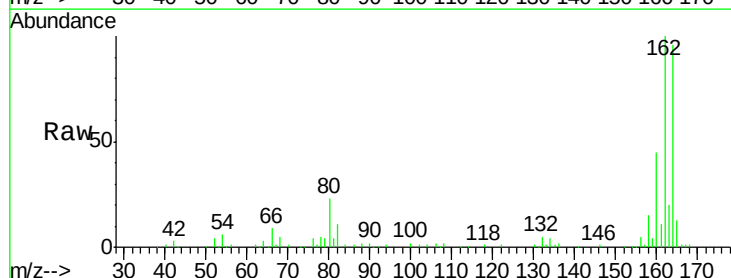
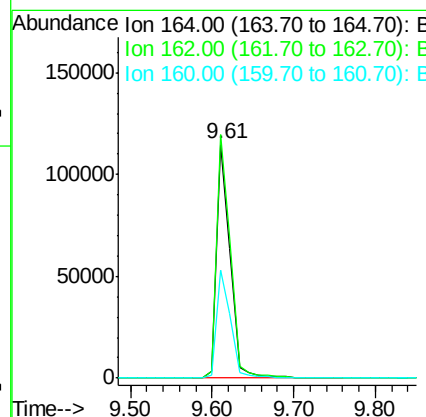
RT: 9.61 min Scan# 702

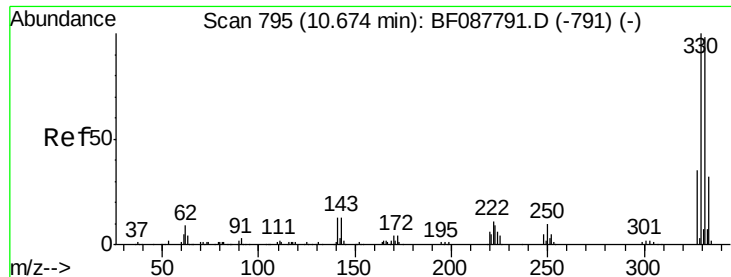
Delta R.T. -0.01 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Tgt Ion:	164	Resp:	133919
Ion Ratio	Lower	Upper	
164	100		
162	104.3	85.4	128.2
160	46.4	39.5	59.3





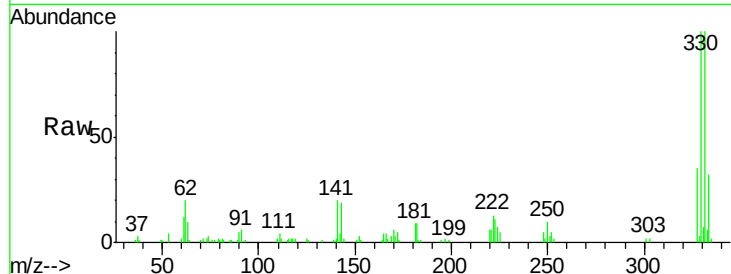
#41
 2,4,6-Tribromophenol
 Concen: 46.27 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1422(0-4)

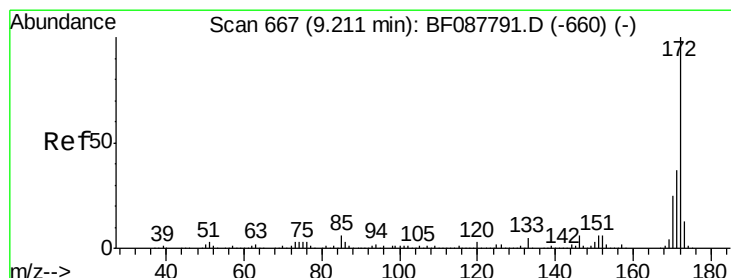
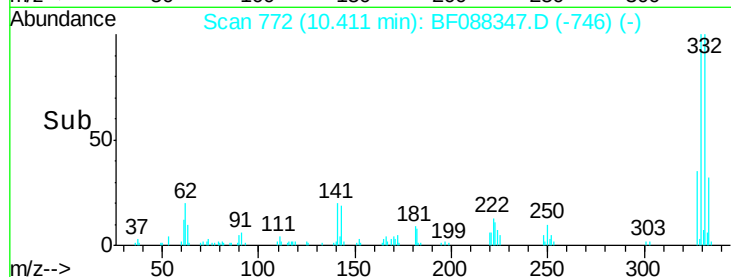
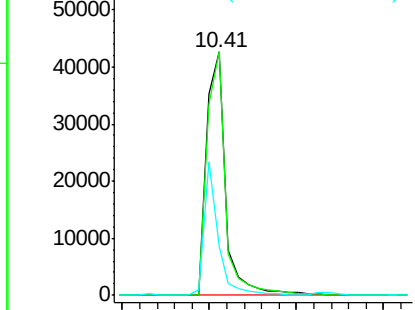
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	65431		
332	97.2	0.0	0.0	0.0
141	40.3	0.0	0.0	0.0

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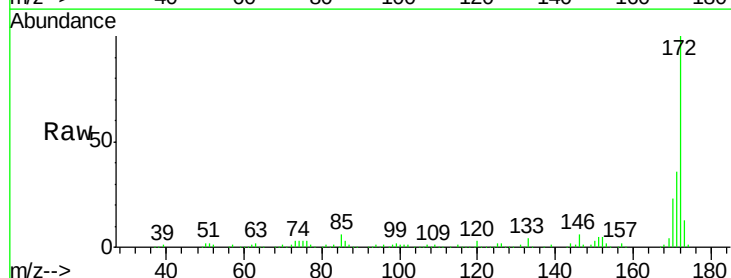


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

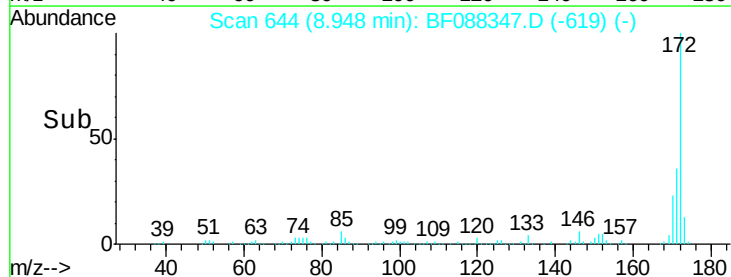
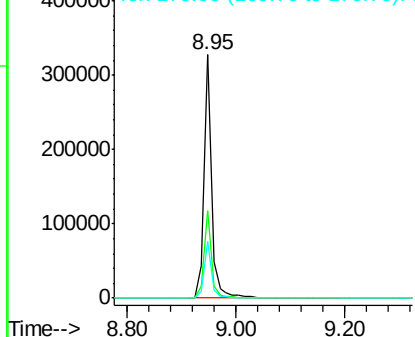


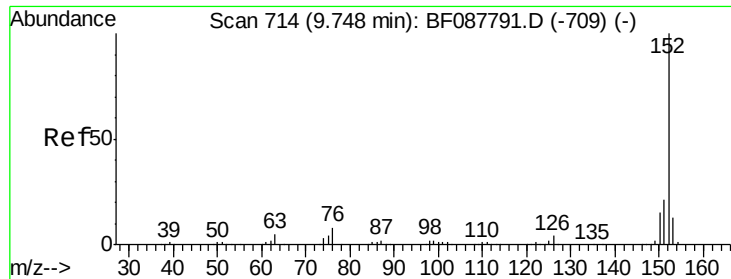
#44
 2-Fluorobiphenyl
 Concen: 33.70 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	315809		
171	35.8	28.6	43.0	
170	23.4	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





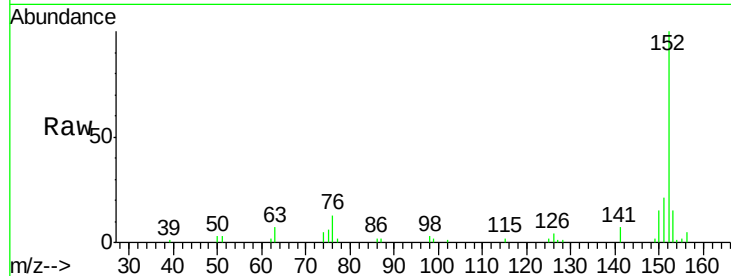
#48
Acenaphthylene
Concen: 2.75 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

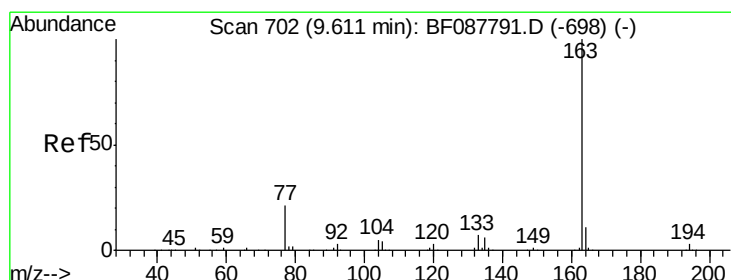
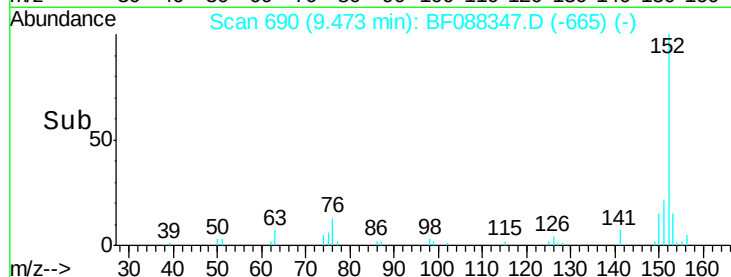
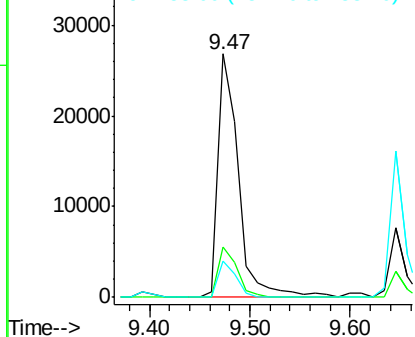
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4
153	14.8	11.0	16.6

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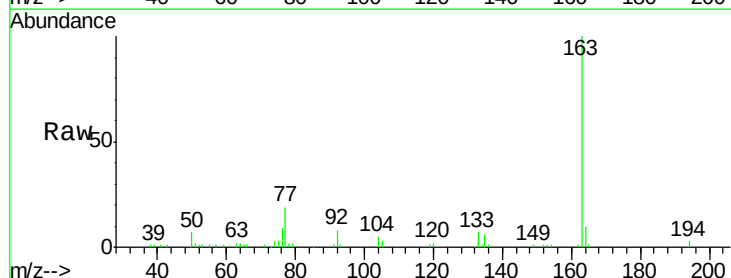


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

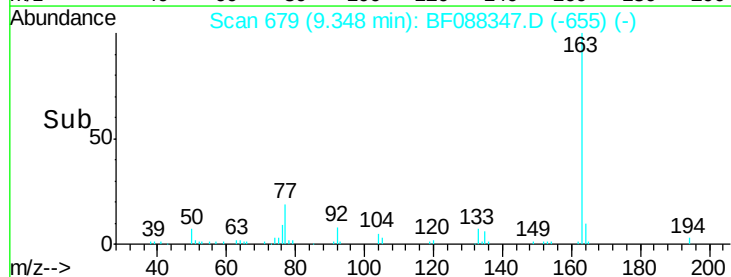
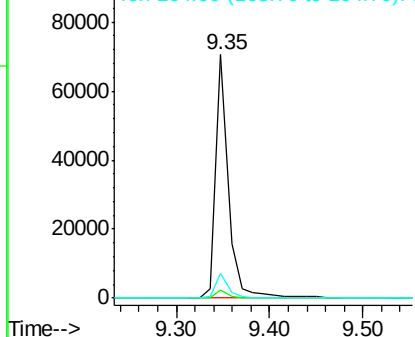


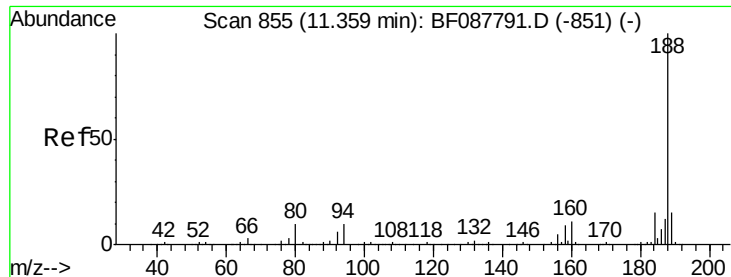
#49
Dimethylphthalate
Concen: 6.82 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.02 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.9	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





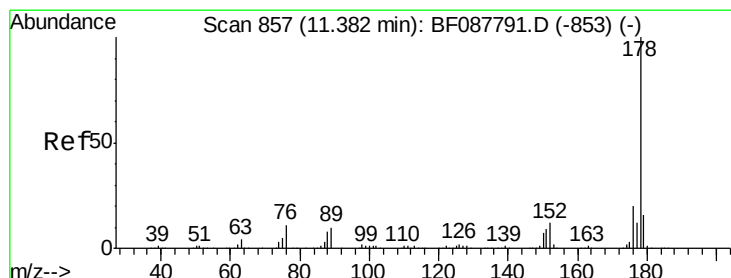
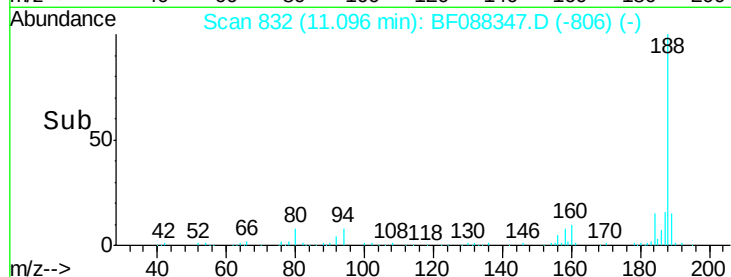
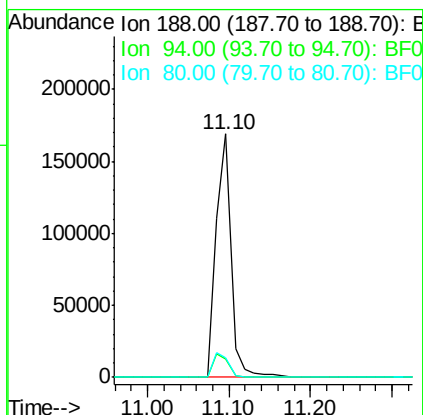
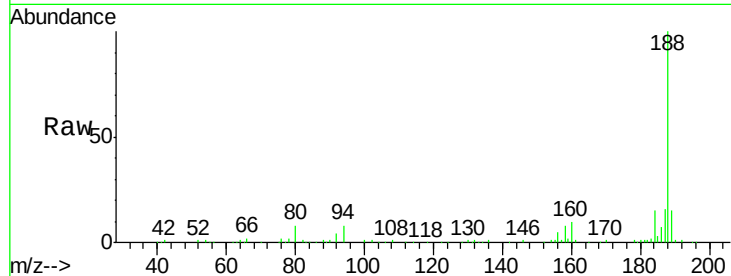
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	216962		
94	7.6	9.0	13.6#	
80	8.0	10.0	15.0#	

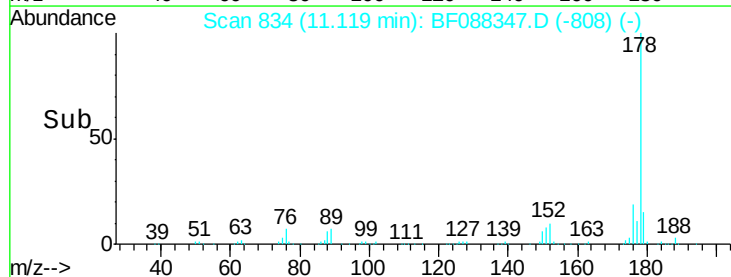
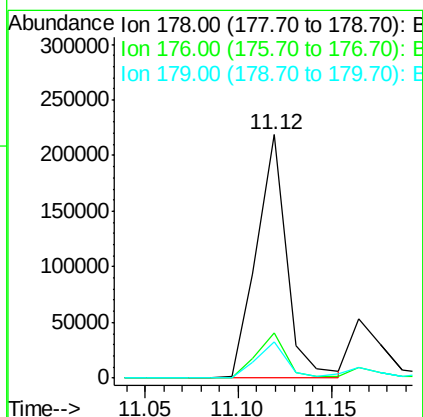
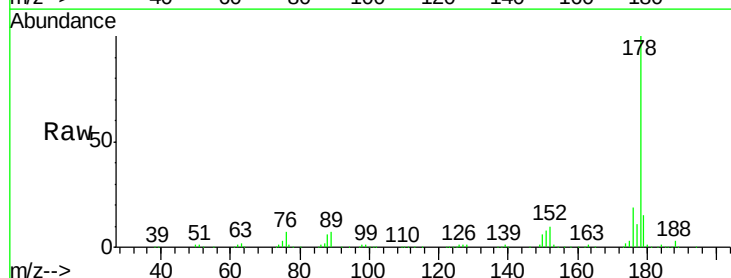
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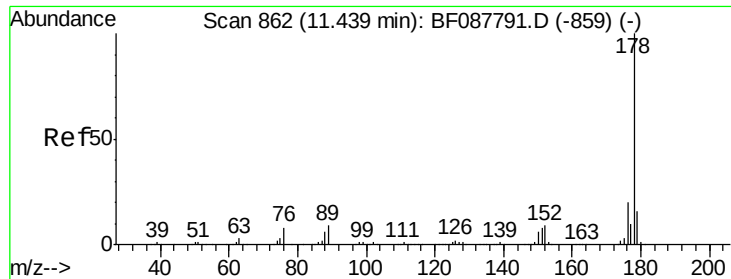
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#70
Phenanthrene
Concen: 21.55 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	245385		
176	18.7	15.8	23.6	
179	15.1	13.0	19.4	





#71

Anthracene

Concen: 6.14 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Instrument :

BNA_F

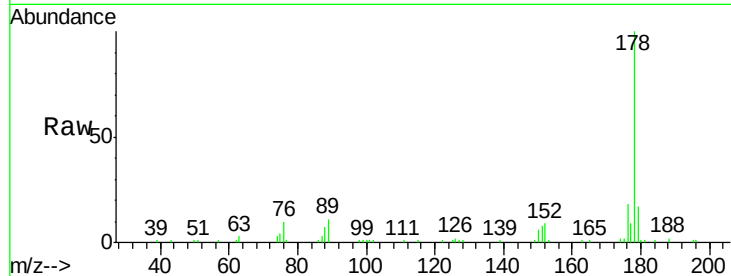
ClientSampleId :

PM-STA-1422(0-4)

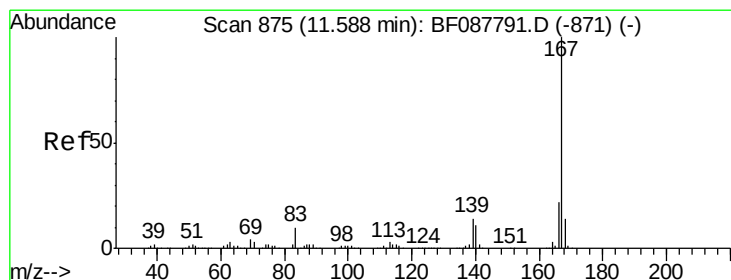
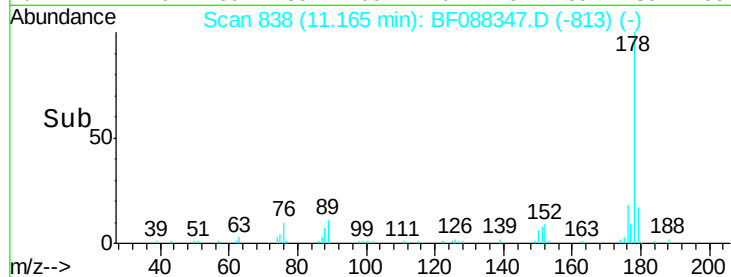
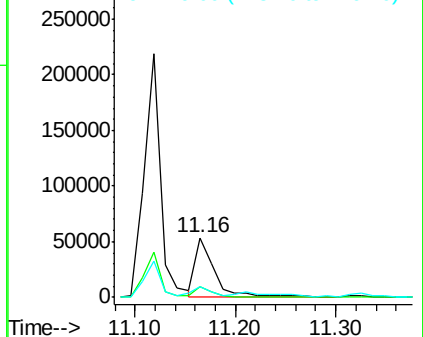
Tgt Ion:	178	Resp:	70474
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.6	23.4
179	17.2	12.8	19.2

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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



#72

Carbazole

Concen: 2.51 ng

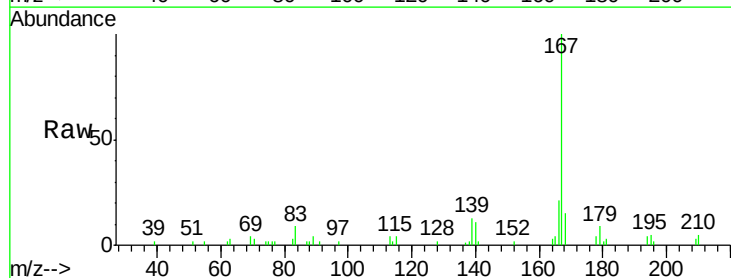
RT: 11.34 min Scan# 853

Delta R.T. -0.00 min

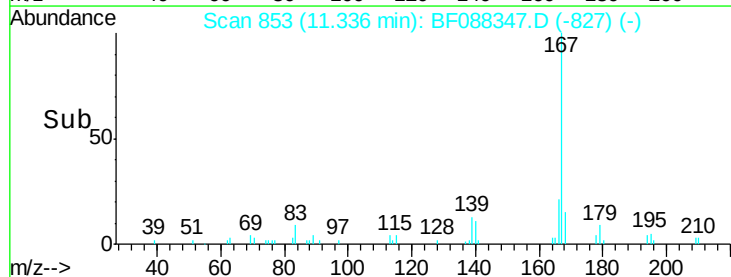
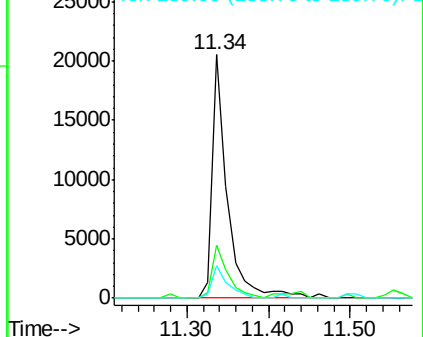
Lab File: BF088347.D

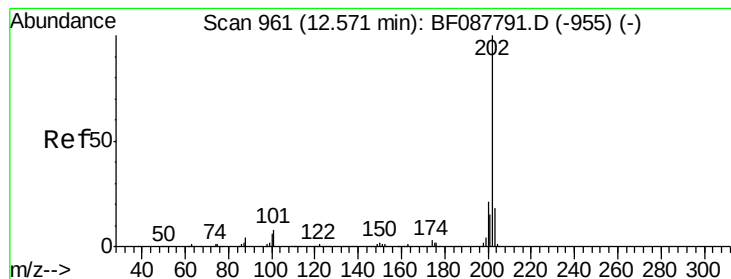
Acq: 24 Jun 2016 22:46

Tgt Ion:	167	Resp:	26974
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.8	26.6
139	13.3	11.2	16.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





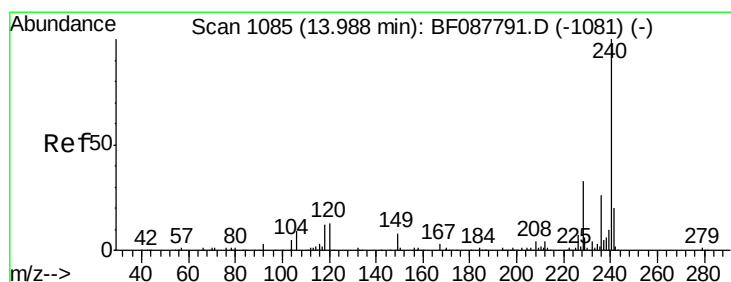
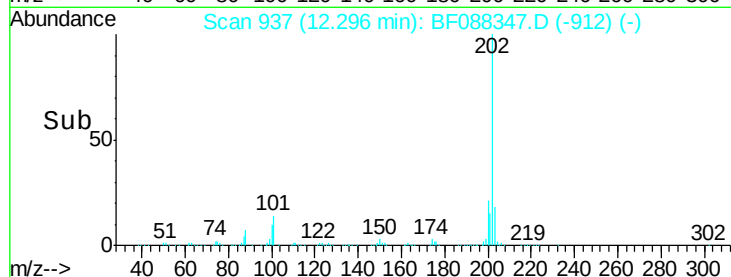
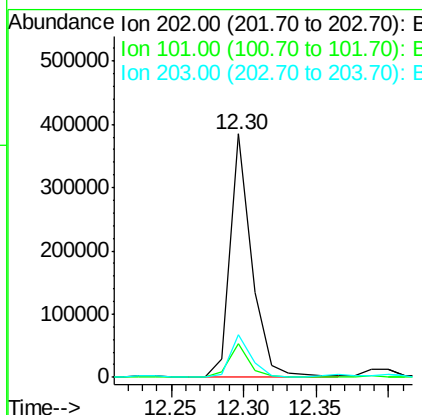
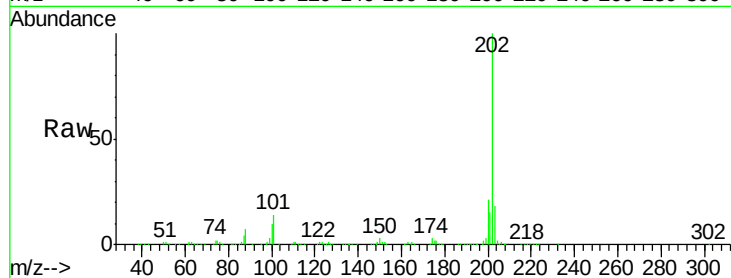
#74
 Fluoranthene
 Concen: 33.13 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1422(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.9	0.0	33.1
203	17.7	0.0	38.1

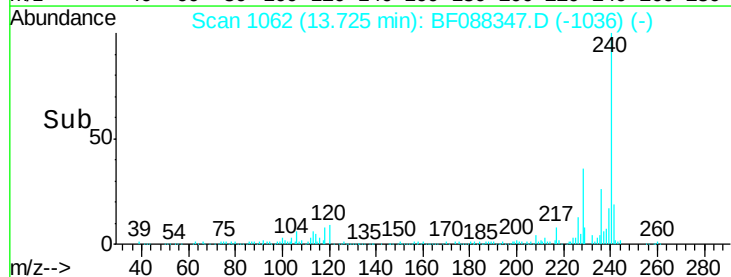
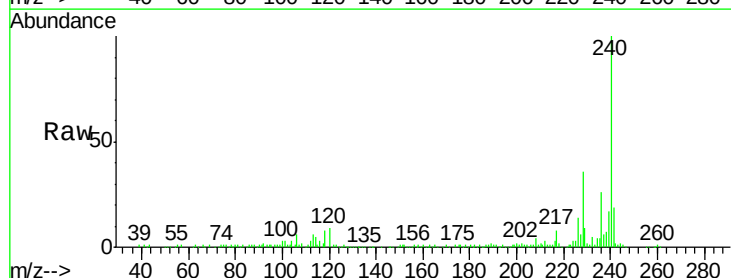
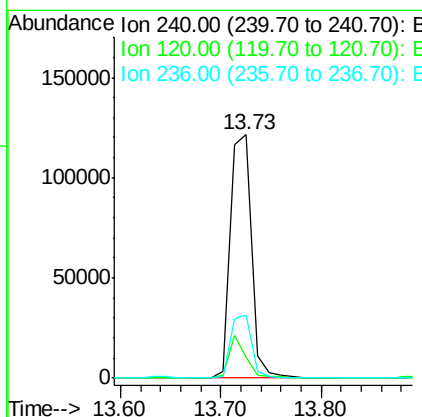
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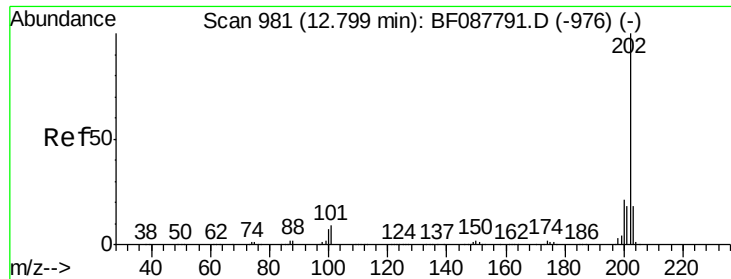
umangi
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.7	6.8	10.2
236	25.9	20.2	30.2





#77

Pyrene

Concen: 28.32 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Instrument :

BNA_F

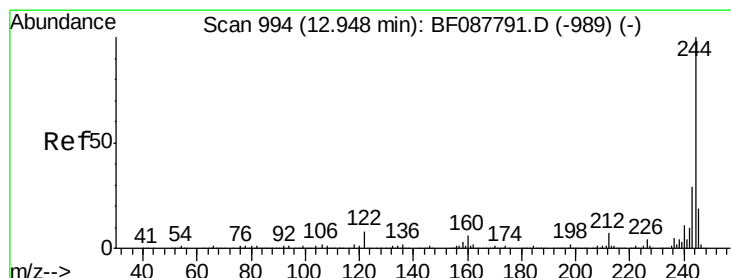
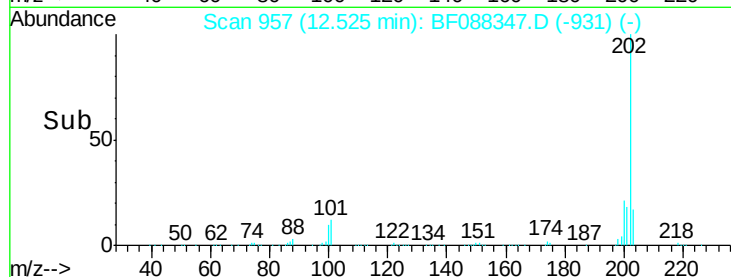
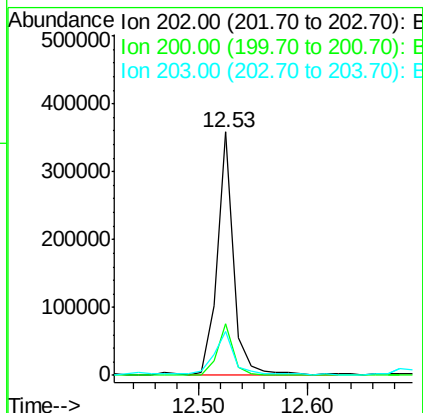
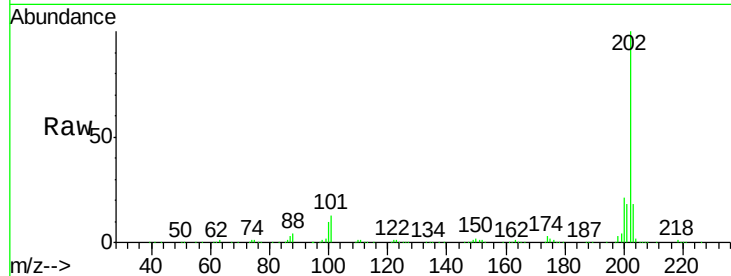
ClientSampleId :

PM-STA-1422(0-4)

Tgt Ion:	202	Resp:	372921
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.9	14.5	21.7

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#78

Terphenyl-d14

Concen: 19.11 ng

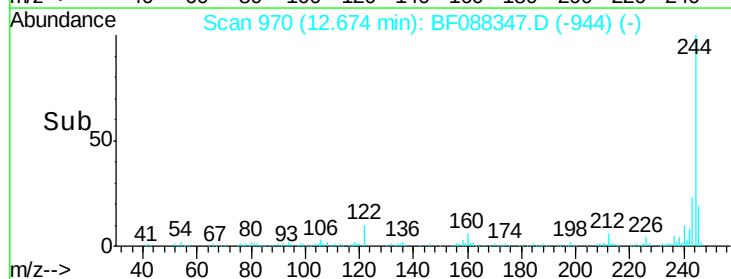
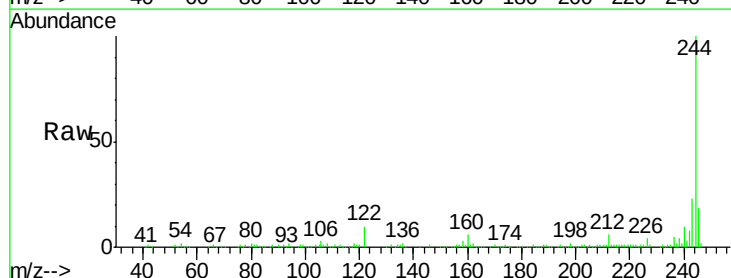
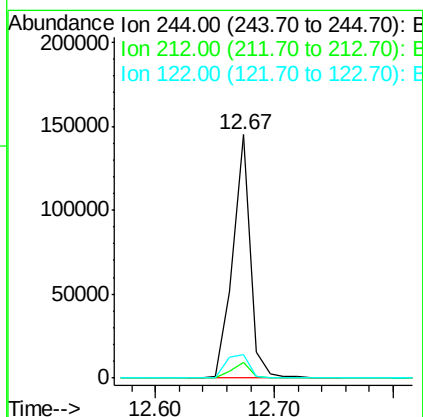
RT: 12.67 min Scan# 970

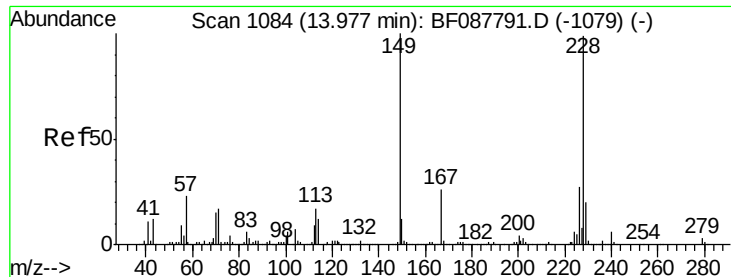
Delta R.T. -0.00 min

Lab File: BF088347.D

Acq: 24 Jun 2016 22:46

Tgt Ion:	244	Resp:	149061
Ion Ratio	Lower	Upper	
244	100		
212	6.4	6.0	9.0
122	9.8	11.2	16.8#





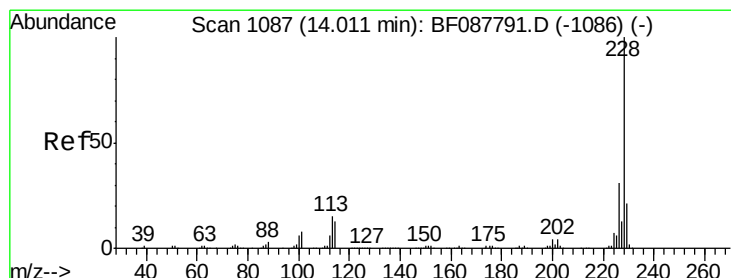
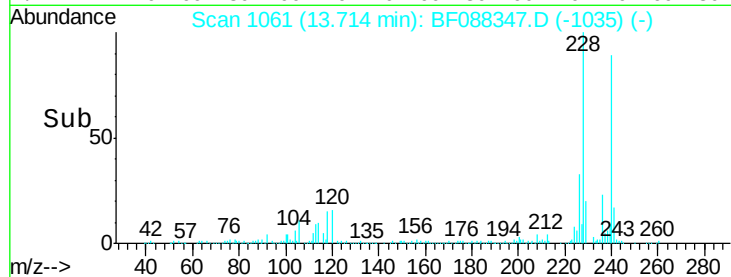
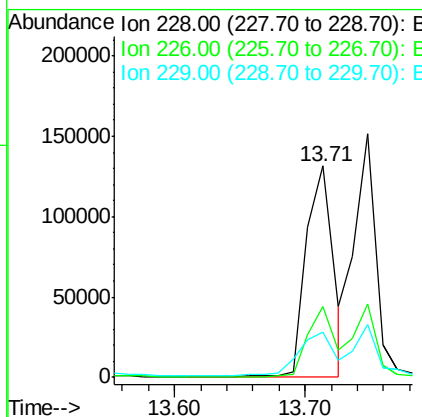
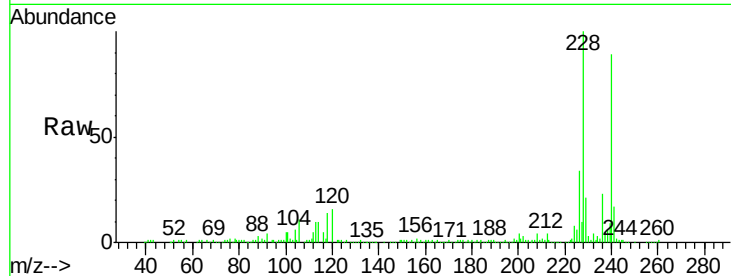
#80
 Benzo(a)anthracene
 Concen: 18.56 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1422(0-4)

Tgt Ion:	228	Resp:	187725
Ion Ratio	Lower	Upper	
228	100		
226	33.8	22.3	33.5#
229	21.3	16.0	24.0

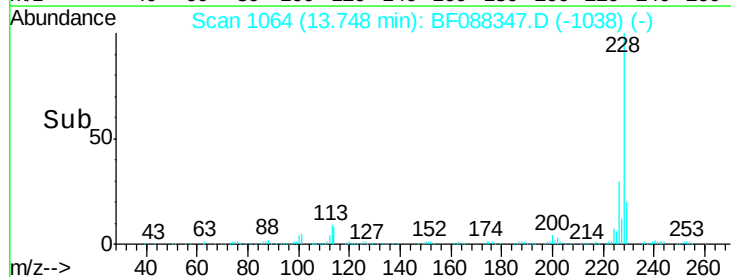
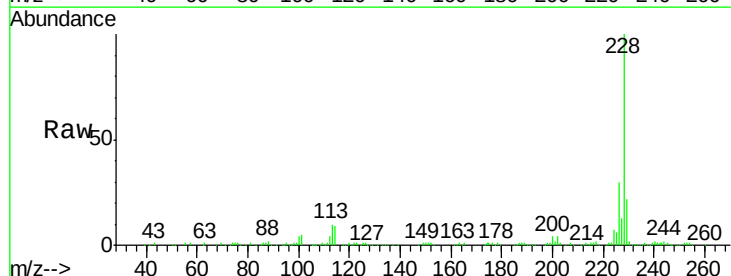
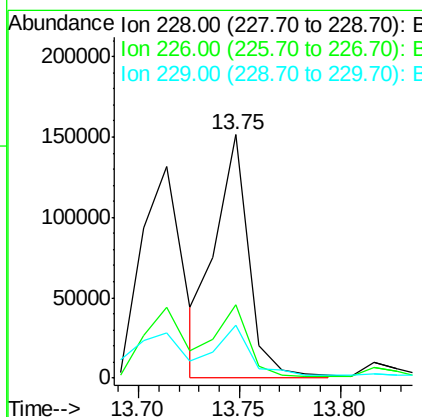
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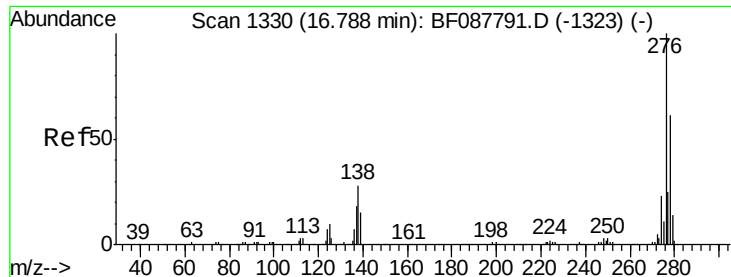
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#82
 Chrysene
 Concen: 18.44 ng m
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Tgt Ion:	228	Resp:	175460
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.4	38.2
229	21.6	16.3	24.5





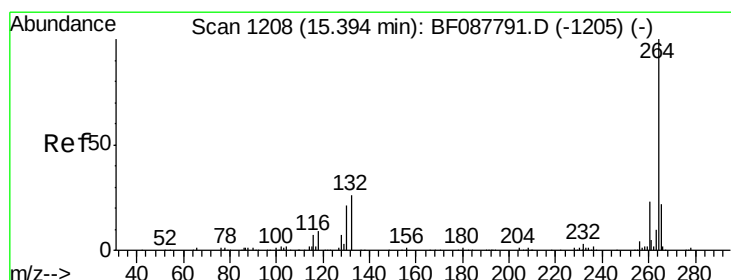
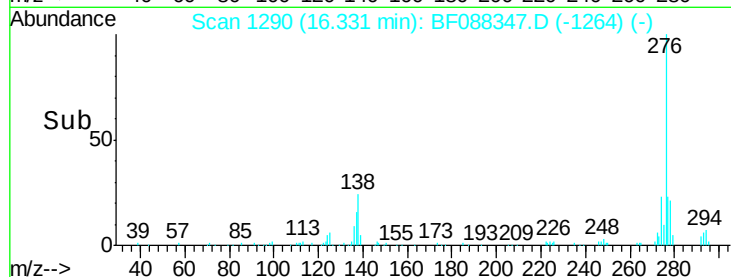
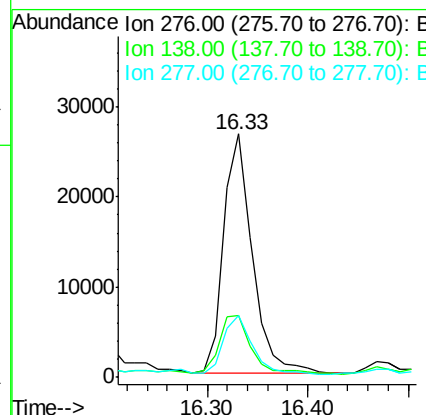
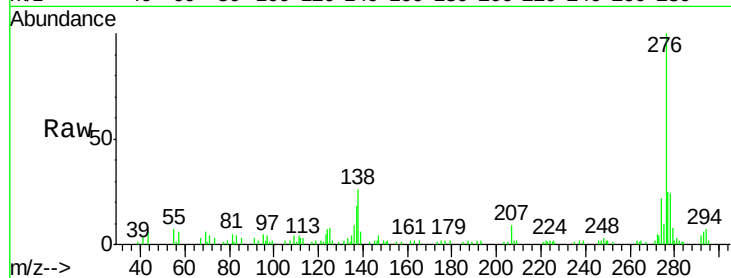
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.92 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1422(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	52328		
138	28.1	0.0	0.0	0.0
277	24.3	0.0	0.0	0.0

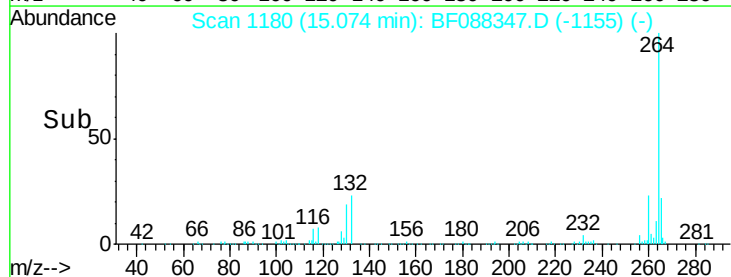
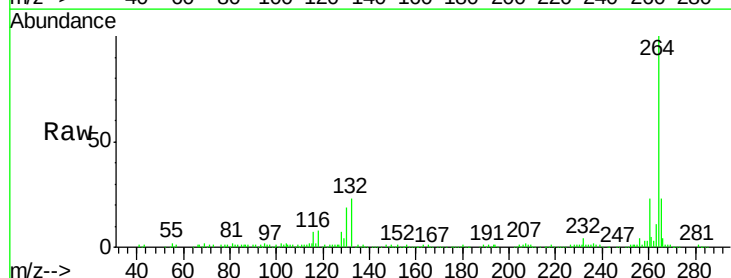
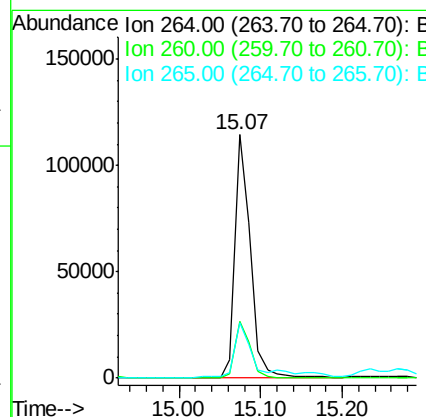
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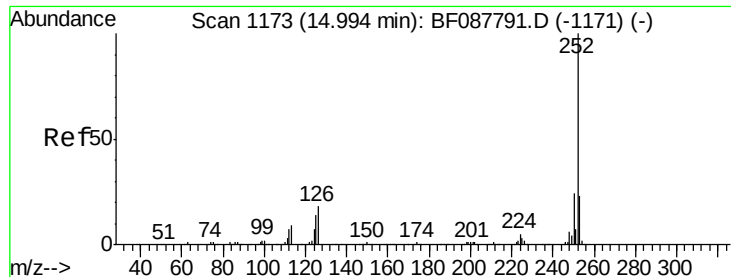
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF088347.D
 Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	152113		
260	23.2	19.2	28.8	
265	22.9	16.9	25.3	





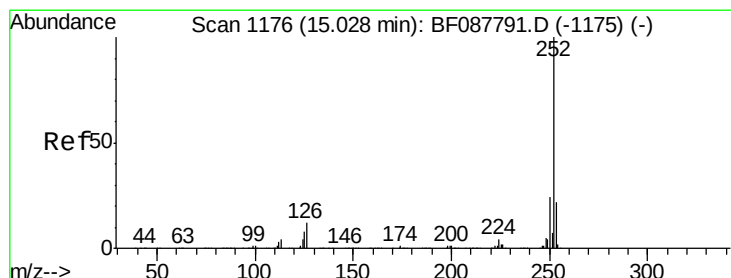
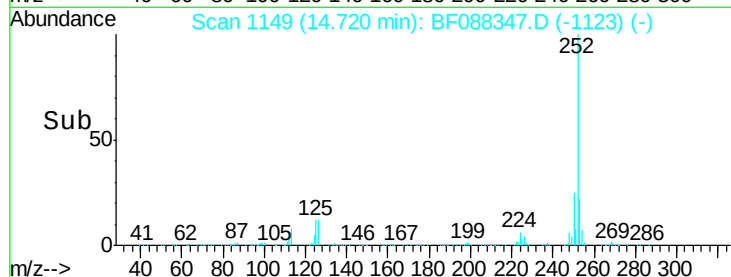
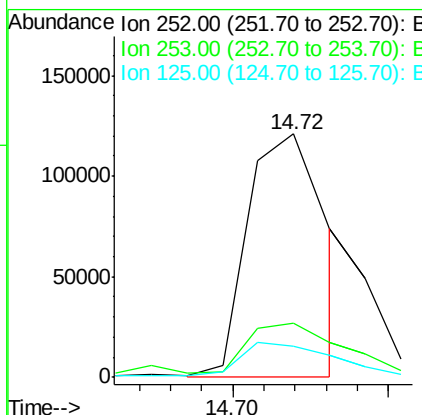
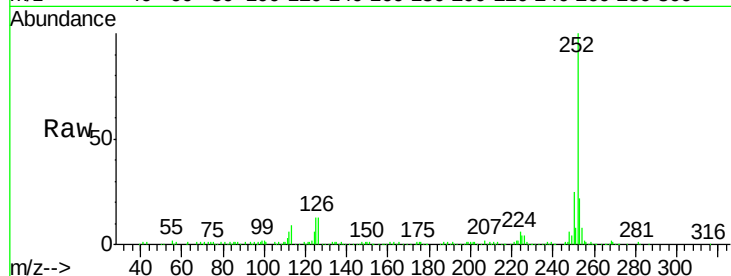
#87
Benzo(b)fluoranthene
Concen: 19.99 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.8	7.1	10.7

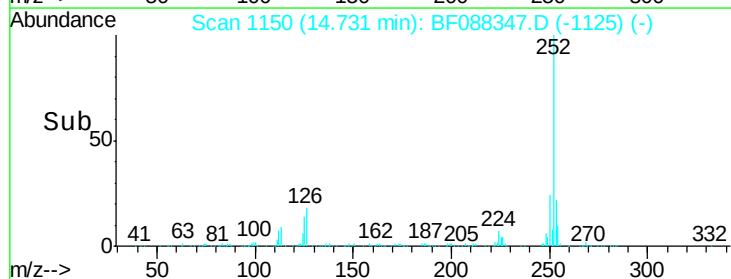
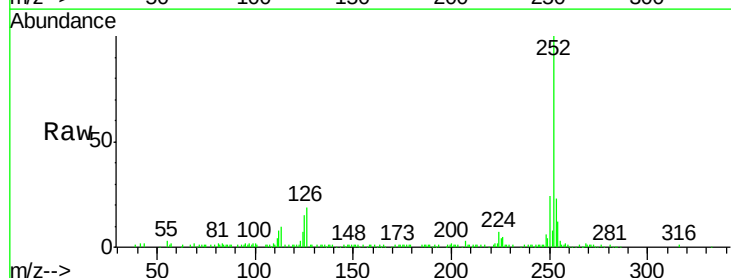
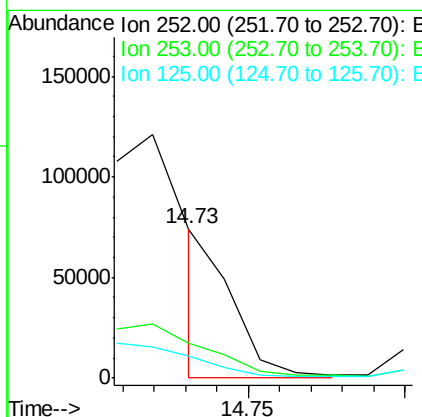
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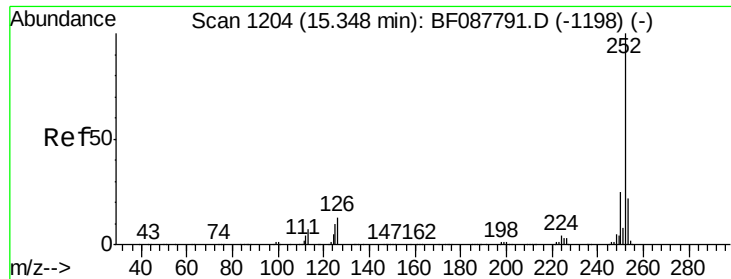
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#88
Benzo(k)fluoranthene
Concen: 5.42 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.6	11.2	16.8





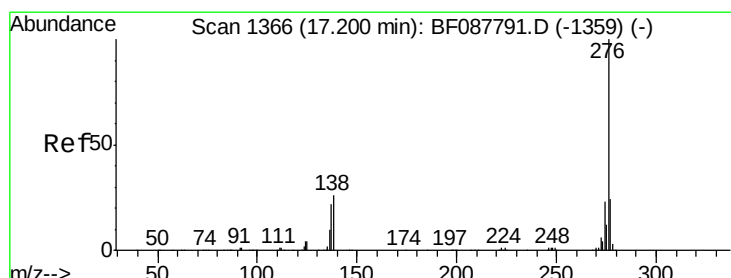
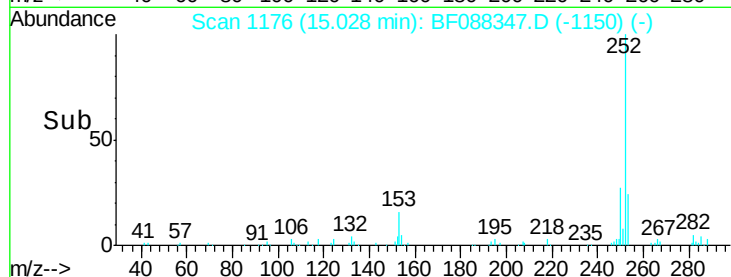
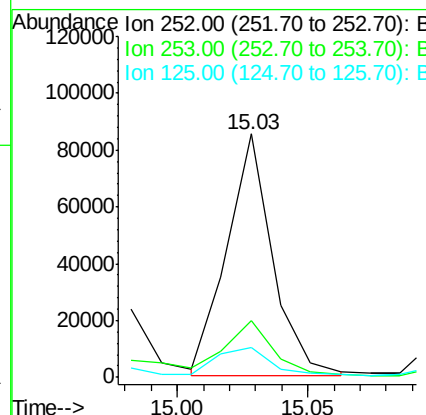
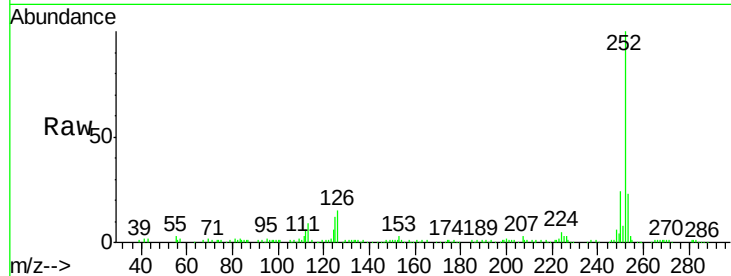
#89
Benzo(a)pyrene
Concen: 12.10 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Instrument :
BNA_F
ClientSampleId :
PM-STA-1422(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.1	12.5	18.7#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.33 ng
RT: 16.70 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF088347.D
Acq: 24 Jun 2016 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.9	28.3
138	29.6	21.4	32.2

