

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088346.D
 Acq On : 24 Jun 2016 22:17
 Operator : UM/SJ
 Sample : H3598-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1363(0-4)

Manual Integrations
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Quant Time: Jun 25 04:54:45 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	76920m	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	309889	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	128455	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	200001	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	154089	20.00	ng	-0.02
86) Perylene-d12	15.09	264	137958	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	248251	55.17	ng	-0.01
7) Phenol-d6	6.25	99	311884	57.20	ng	-0.01
23) Nitrobenzene-d5	7.15	82	193321	36.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	55655	41.03	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	397231	46.04	ng	-0.02
78) Terphenyl-d14	12.67	244	254638	37.60	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.90	128	51378	3.35	ng	98
37) 2-Methylnaphthalene	8.58	142	28893	2.86	ng	96
48) Acenaphthylene	9.47	152	83774	6.34	ng	99
49) Dimethylphthalate	9.35	163	49842	5.36	ng	99
70) Phenanthrene	11.12	178	259233	24.70	ng	97
71) Anthracene	11.16	178	99033	9.35	ng	98
72) Carbazole	11.34	167	48439	4.89	ng	99
74) Fluoranthene	12.30	202	584203	52.75	ng	96
77) Pyrene	12.53	202	559256	48.91	ng	100
79) Butylbenzylphthalate	13.15	149	26902	5.32	ng	97
80) Benzo(a)anthracene	13.71	228	320889m	36.54	ng	
82) Chrysene	13.75	228	328722m	39.79	ng	
83) Bis(2-ethylhexyl)phthalate	13.71	149	37264	6.06	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.33	276	140843	18.35	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	427205m	44.43	ng	
88) Benzo(k)fluoranthene	14.73	252	147615m	20.35	ng	
89) Benzo(a)pyrene	15.03	252	247079	31.76	ng	98
90) Dibenzo(a,h)anthracene	16.33	278	33286m	4.61	ng	
91) Benzo(g,h,i)perylene	16.71	276	119479	16.08	ng	98

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

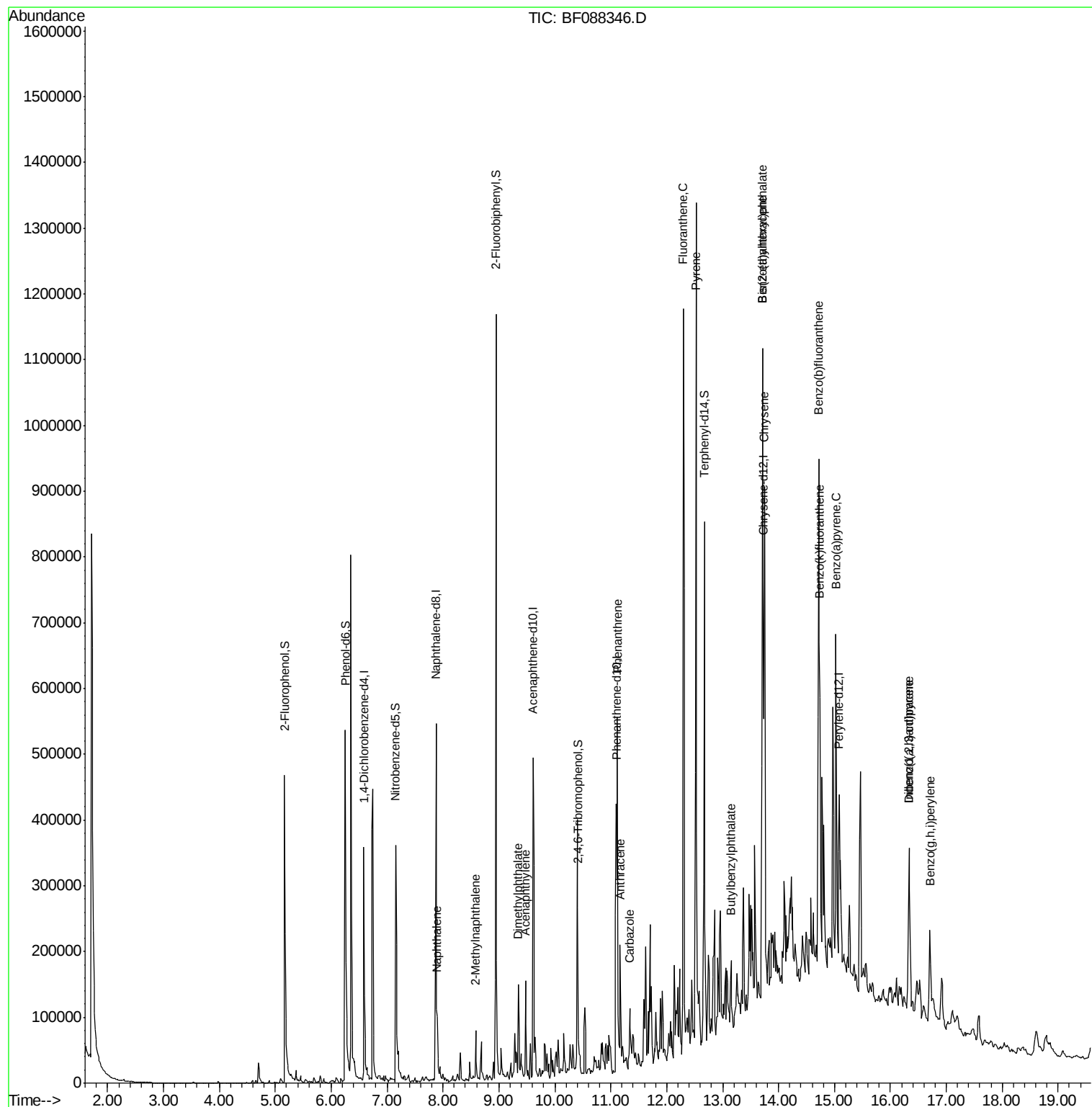
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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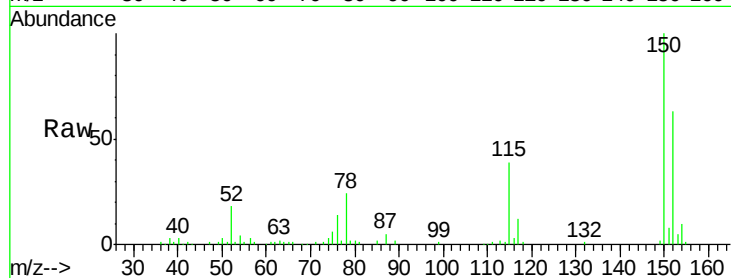




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

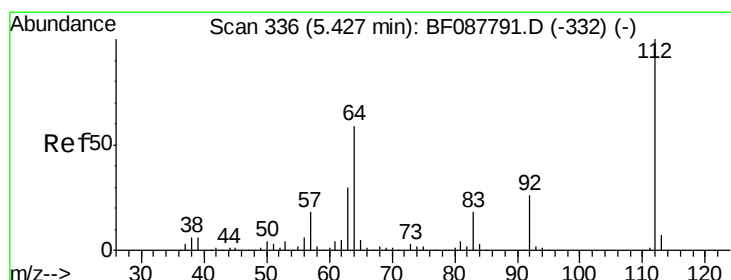
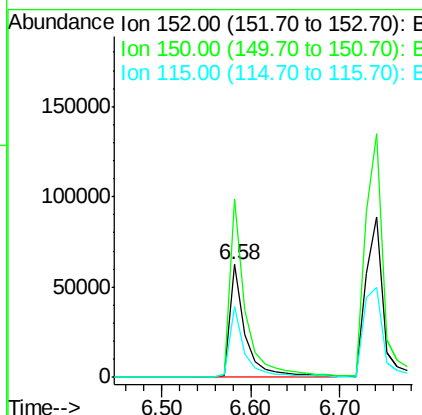
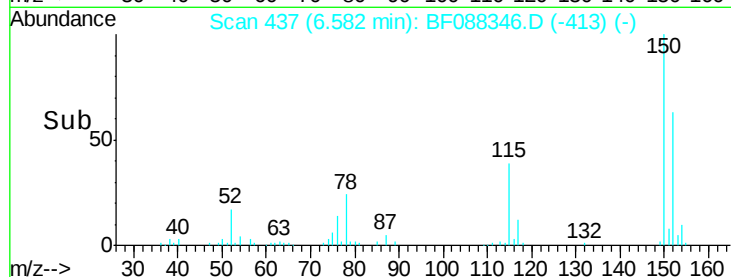
Instrument :
BNA_F
ClientSampleId :
PM-STA-1363(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.1	123.8	185.6
115	62.4	39.6	59.4

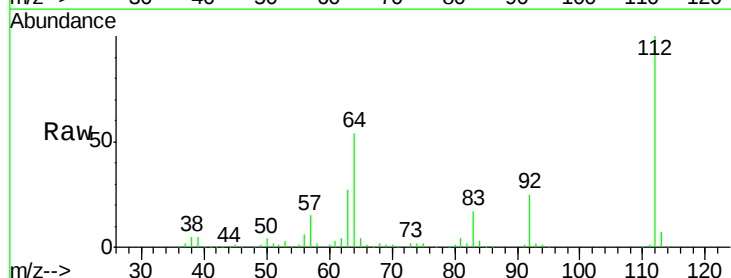
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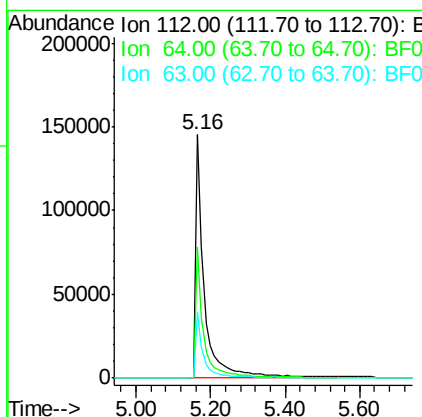
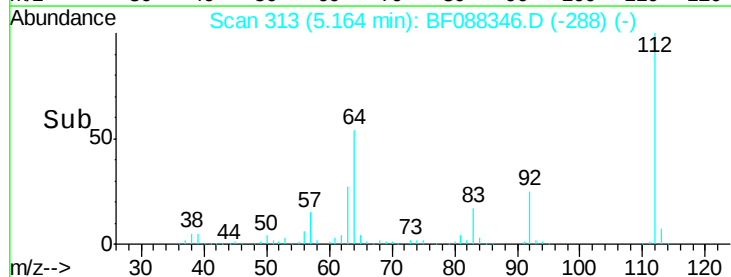


#5

2-Fluorophenol
Concen: 55.17 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.01 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17



Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	42.2	63.2
63	27.2	21.8	32.8





#7

Phenol-d6

Concen: 57.20 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA_F

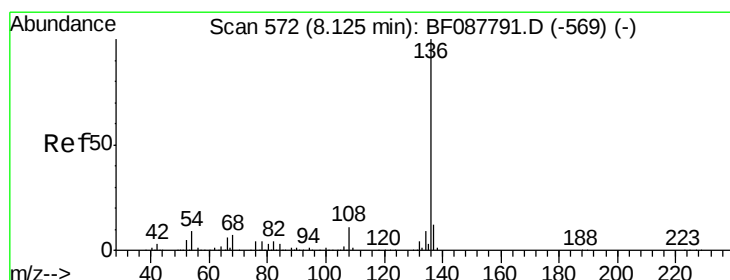
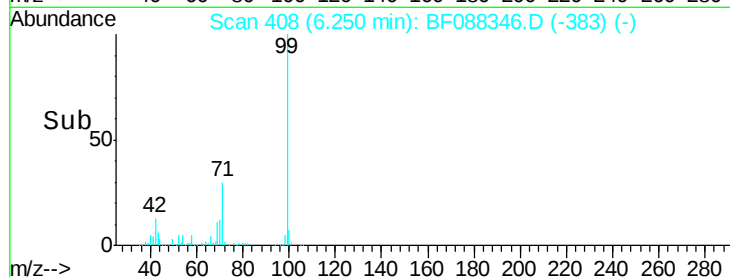
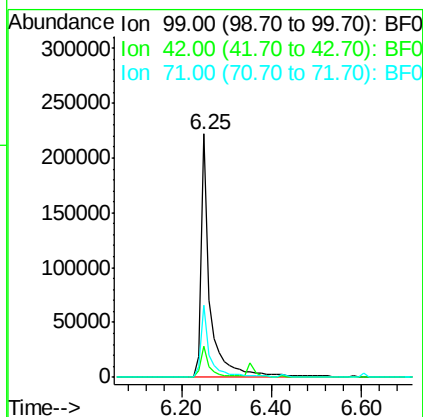
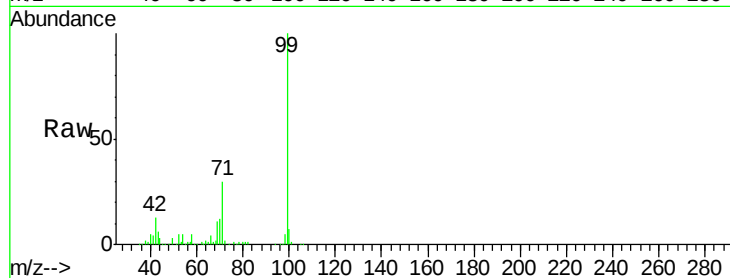
ClientSampleId :

PM-STA-1363(0-4)

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		311884		
42	12.7	12.2	18.2		
71	29.7	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

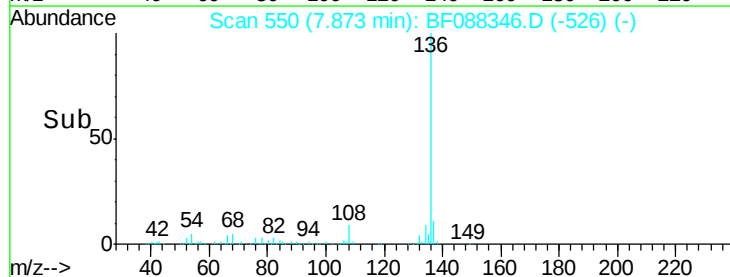
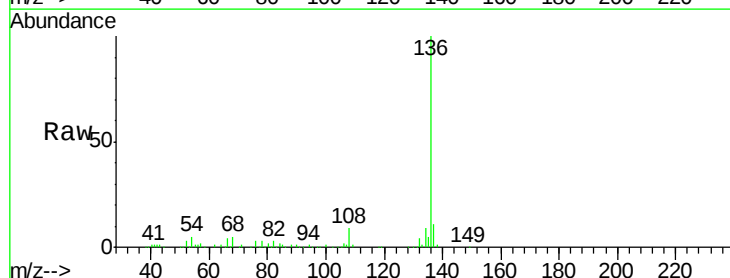
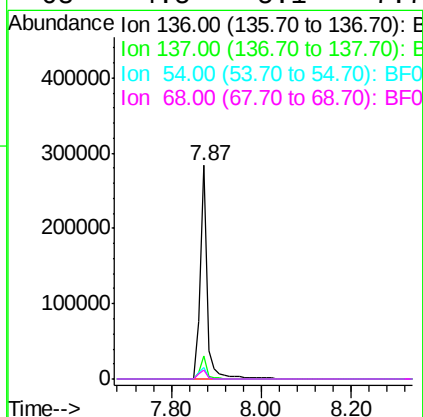
RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		309889		
137	10.7	9.1	13.7		
54	5.4	6.6	10.0#		
68	4.5	5.1	7.7#		





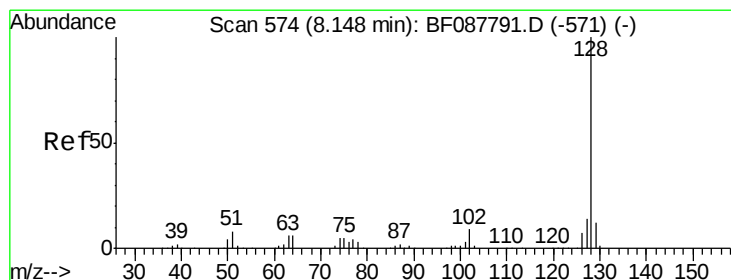
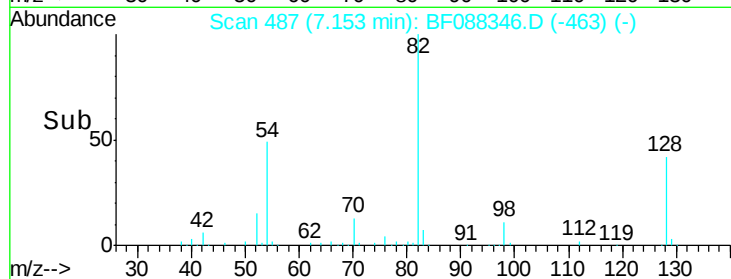
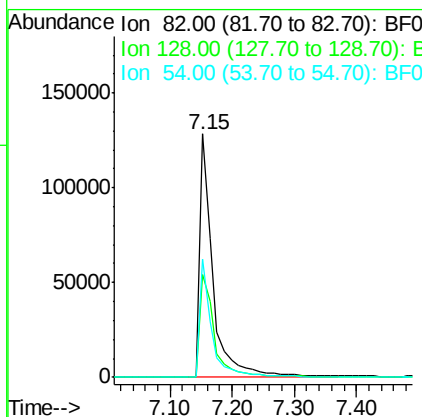
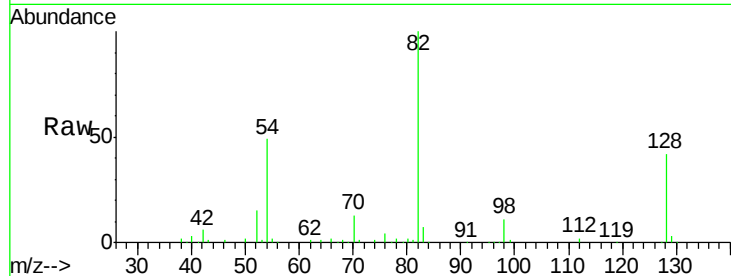
#23
 Nitrobenzene-d5
 Concen: 36.43 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1363(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	193321		
128	42.1	35.9	53.9	
54	48.7	40.9	61.3	

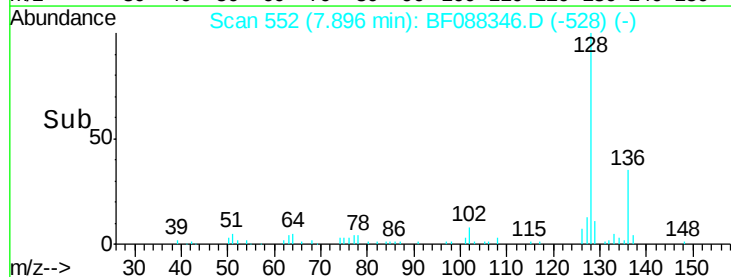
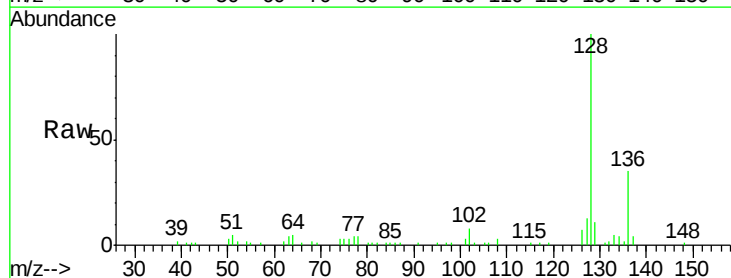
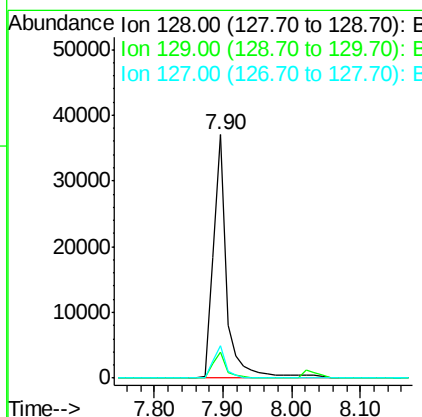
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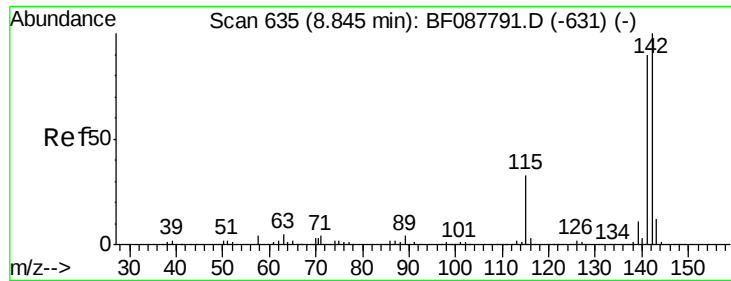
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#31
 Naphthalene
 Concen: 3.35 ng
 RT: 7.90 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	51378		
129	10.9	9.4	14.2	
127	13.2	10.9	16.3	





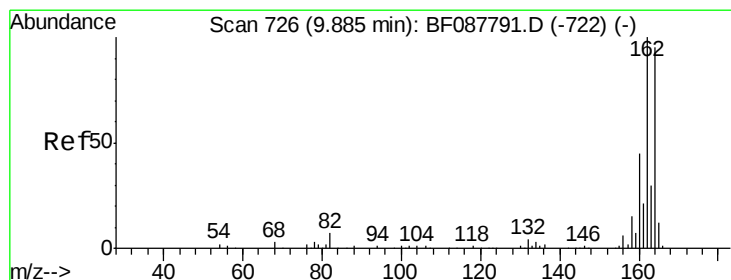
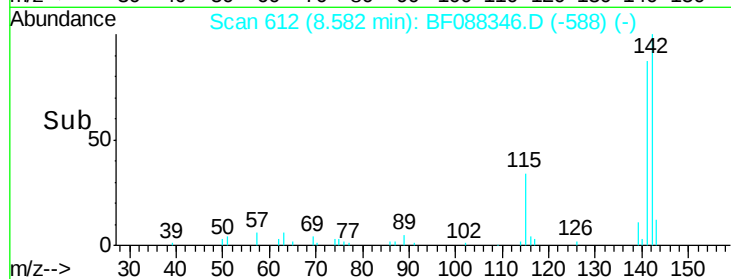
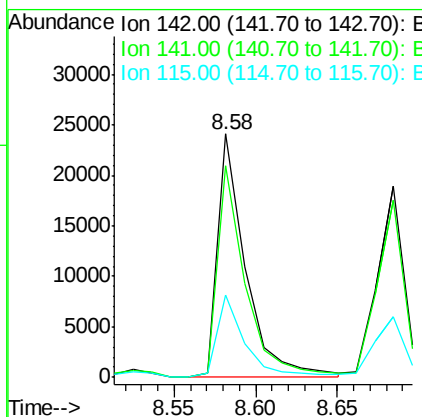
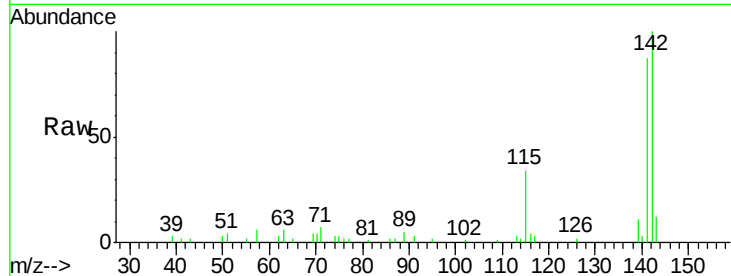
#37
2-Methylnaphthalene
Concen: 2.86 ng
RT: 8.58 min Scan# 612
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Instrument :
BNA_F
ClientSampleId :
PM-STA-1363(0-4)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.0	106.6
115	33.6	22.6	33.8

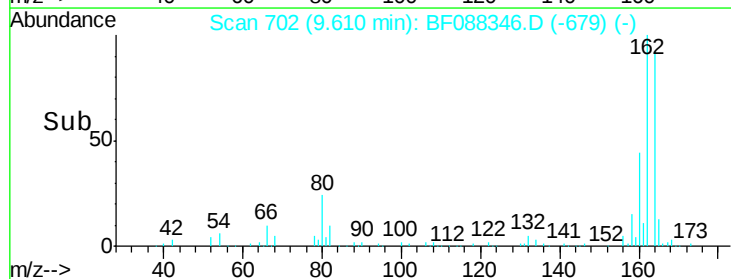
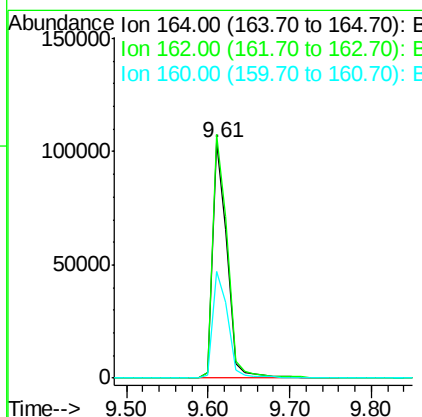
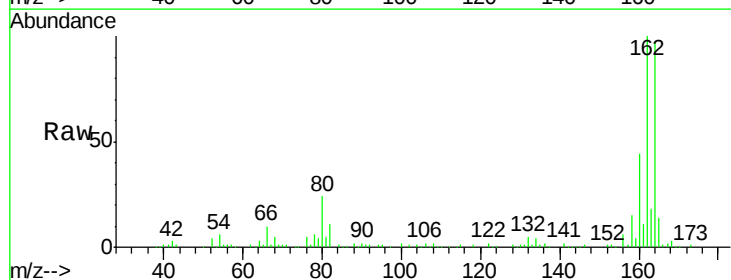
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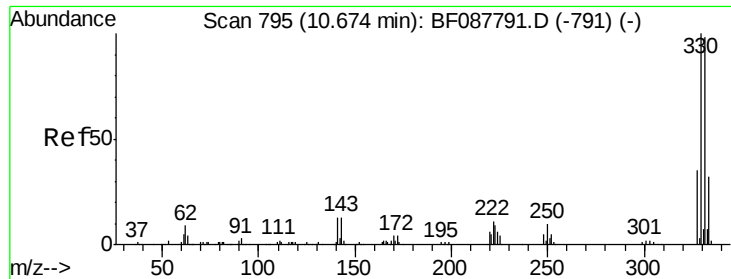
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	85.4	128.2
160	45.4	39.5	59.3





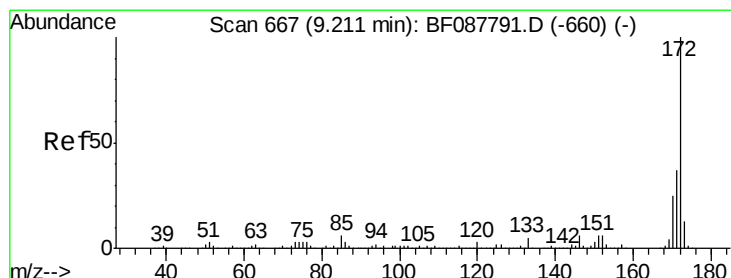
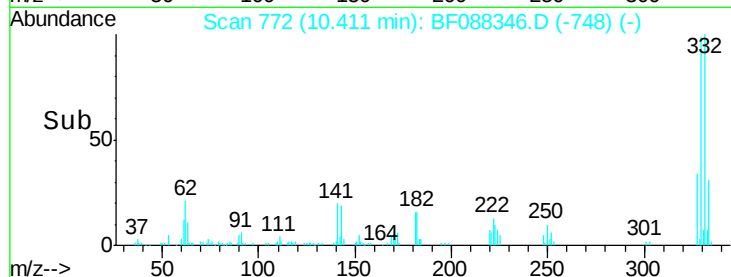
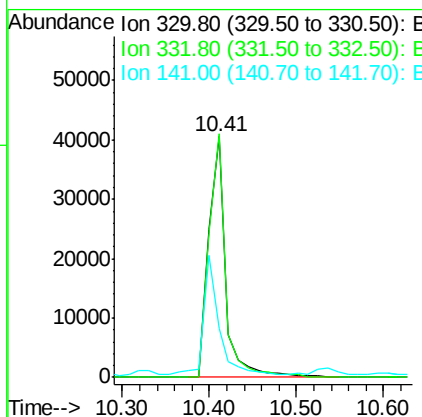
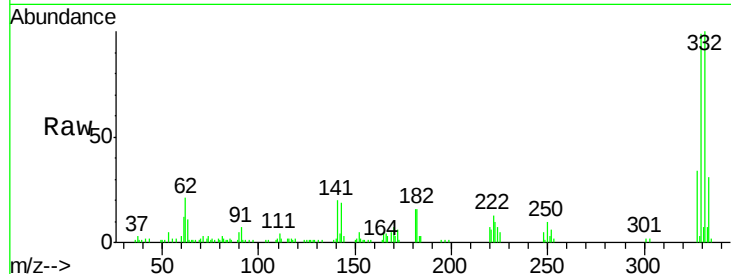
#41
 2,4,6-Tribromophenol
 Concen: 41.03 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1363(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	55655		
332	98.5	0.0	0.0	0.0
141	47.4	0.0	0.0	0.0

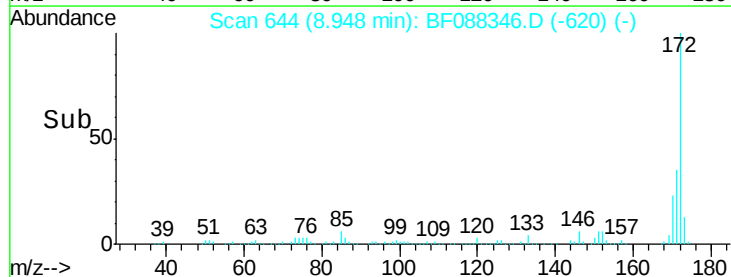
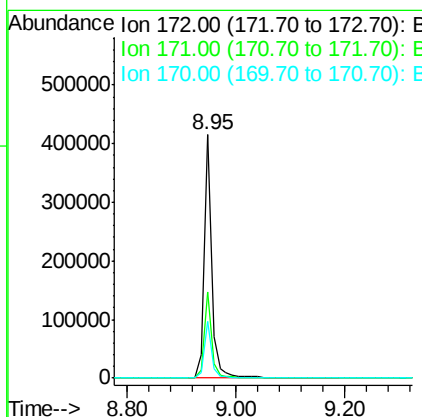
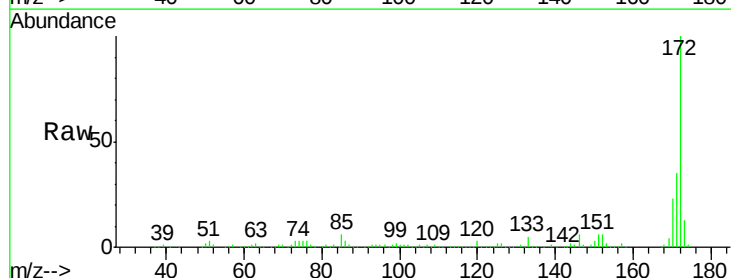
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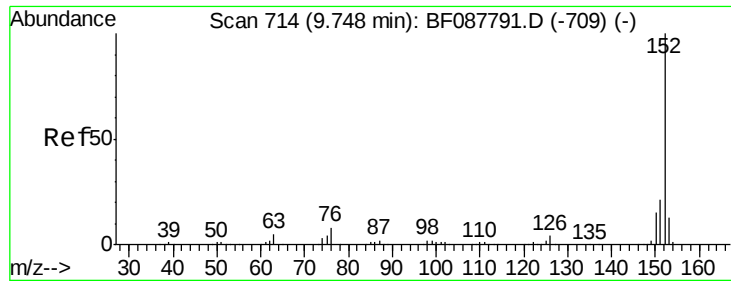
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#44
 2-Fluorobiphenyl
 Concen: 46.04 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	397231		
171	35.2	28.6	43.0	
170	23.1	19.2	28.8	





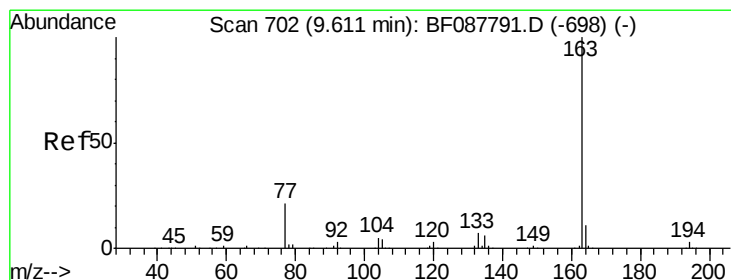
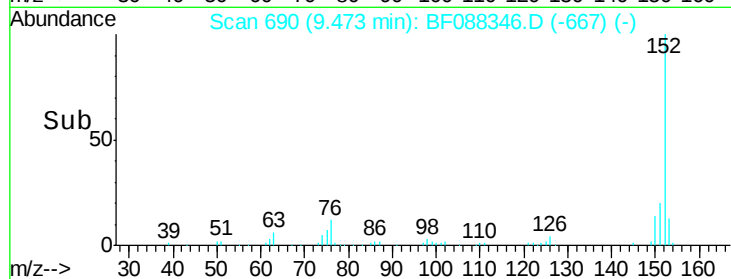
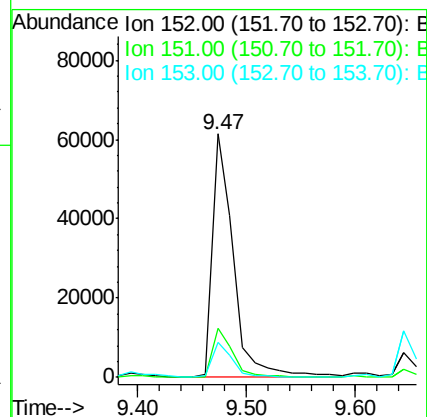
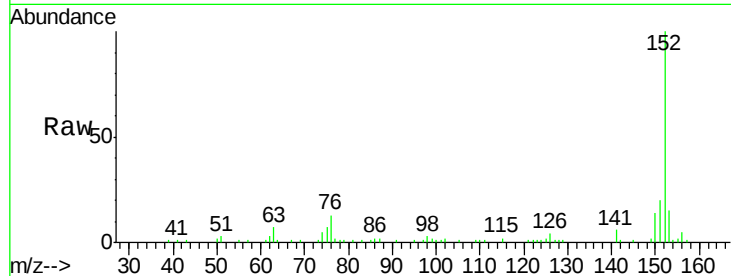
#48
Acenaphthylene
Concen: 6.34 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Instrument :
BNA_F
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PM-STA-1363(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	14.6	11.0	16.6

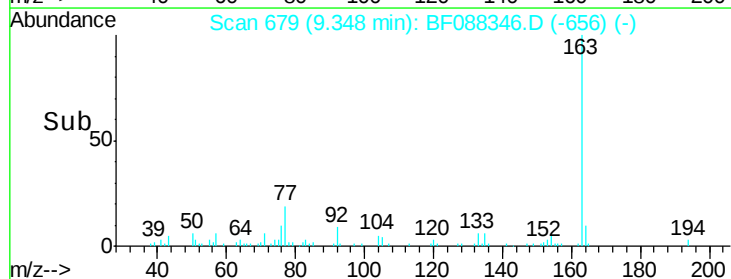
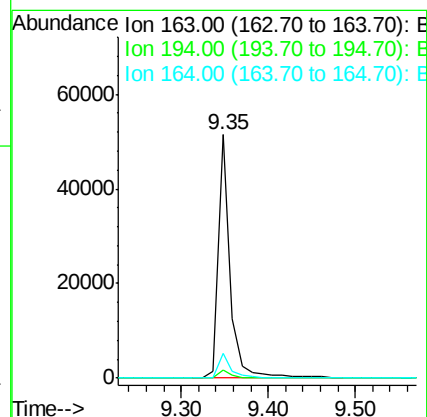
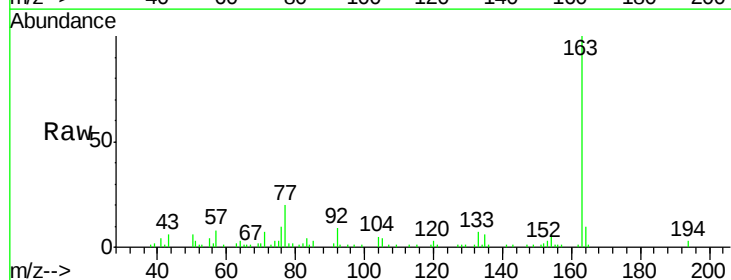
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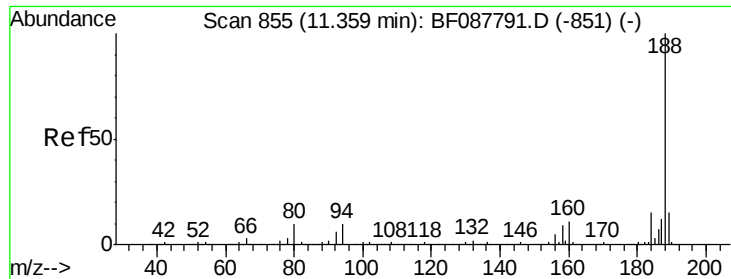
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#49
Dimethylphthalate
Concen: 5.36 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.03 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.1	8.3	12.5





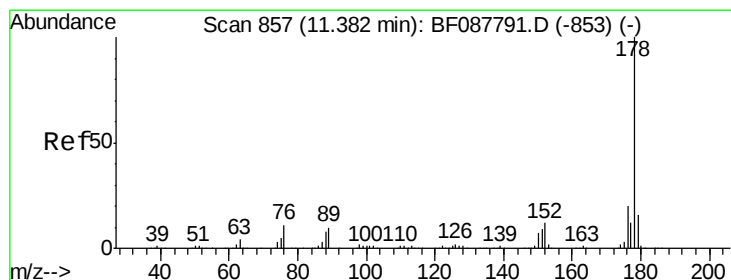
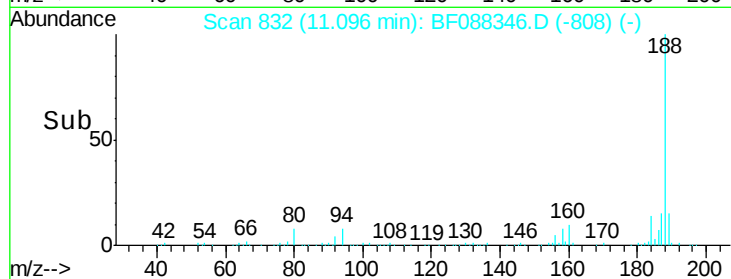
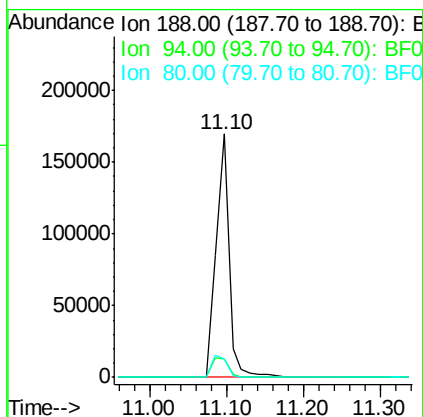
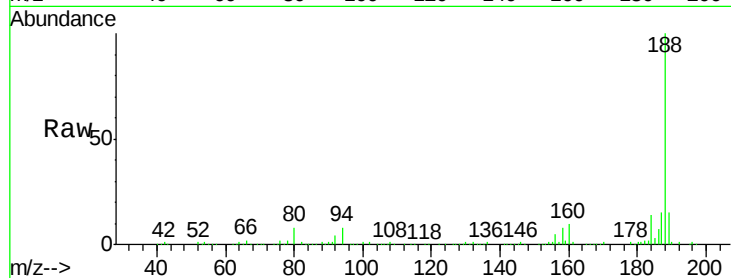
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Instrument :
BNA_F
ClientSampleId :
PM-STA-1363(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	200001		
94	7.7	9.0	13.6#	
80	7.7	10.0	15.0#	

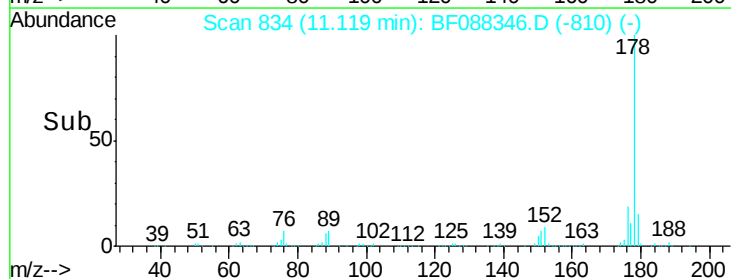
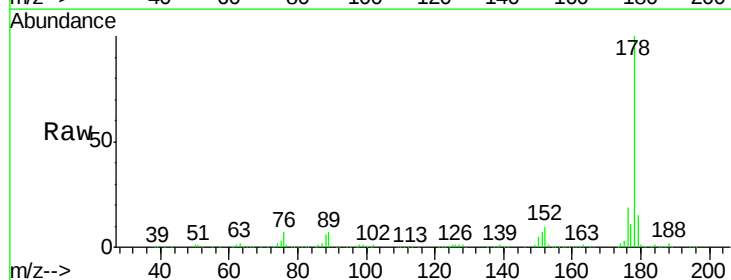
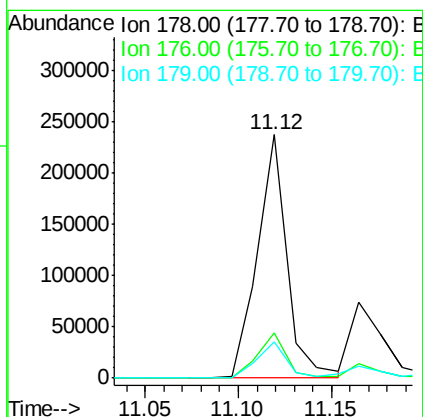
Manual Integrations
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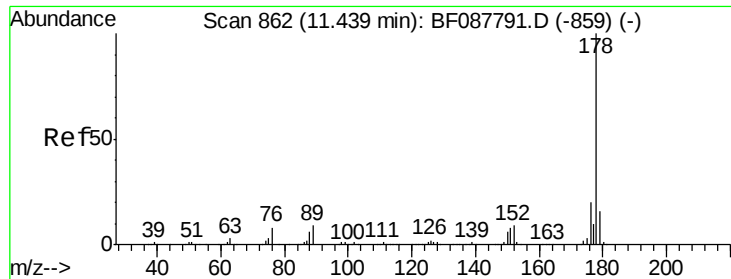
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#70
Phenanthrene
Concen: 24.70 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	259233		
176	18.7	15.8	23.6	
179	14.9	13.0	19.4	





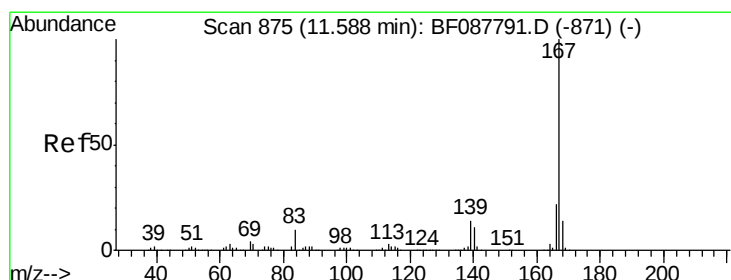
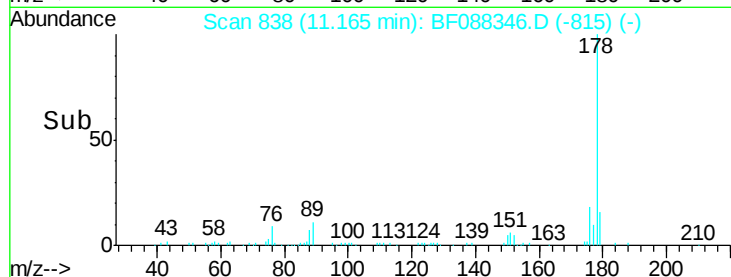
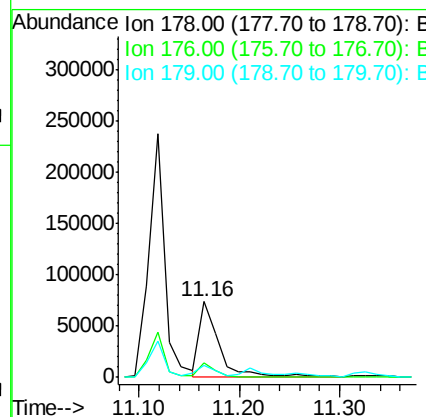
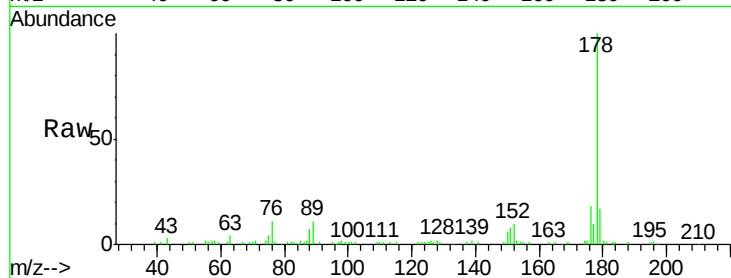
#71
 Anthracene
 Concen: 9.35 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.03 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1363(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	16.6	12.8	19.2

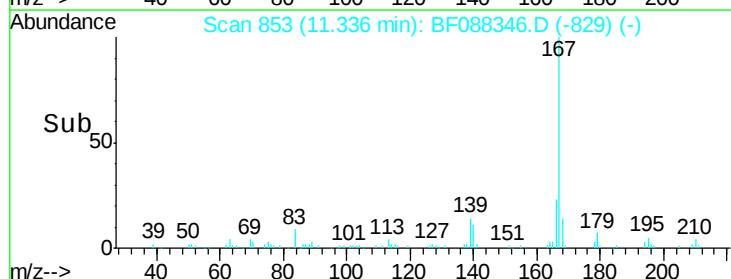
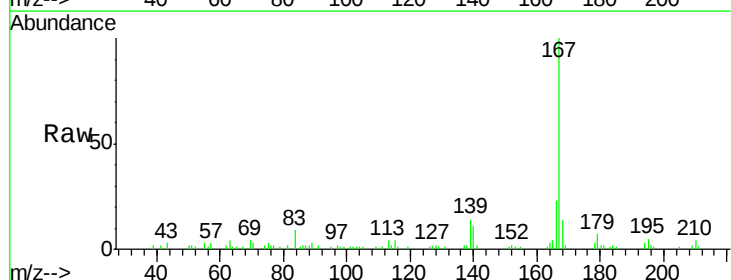
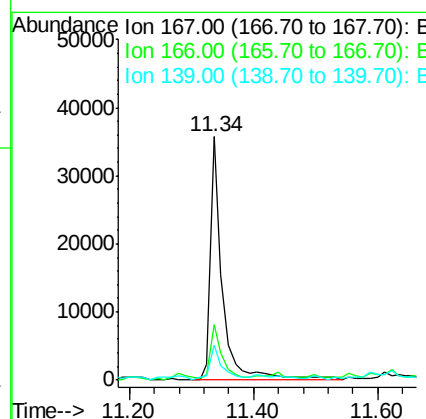
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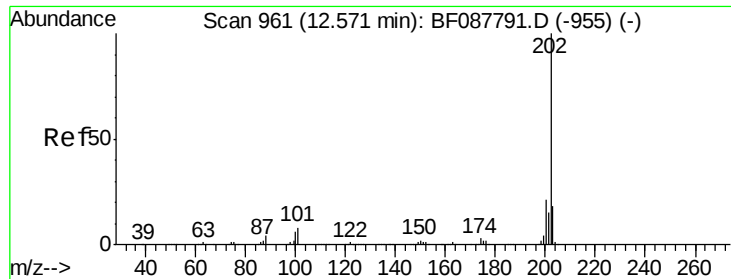
sohil
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#72
 Carbazole
 Concen: 4.89 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.6
139	14.2	11.2	16.8





#74

Fluoranthene

Concen: 52.75 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF088346.D

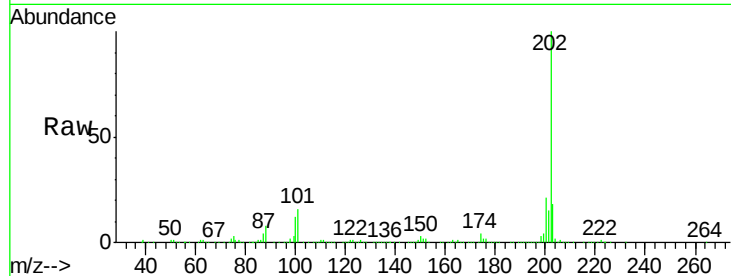
Acq: 24 Jun 2016 22:17

Instrument :

BNA_F

ClientSampleId :

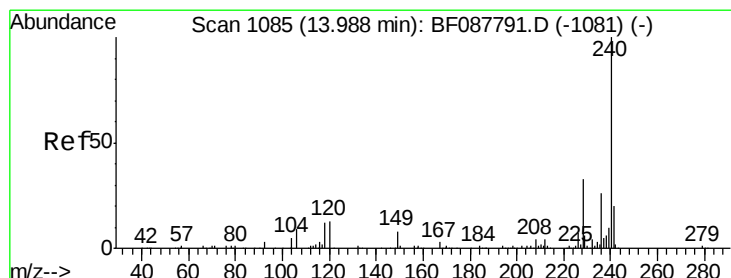
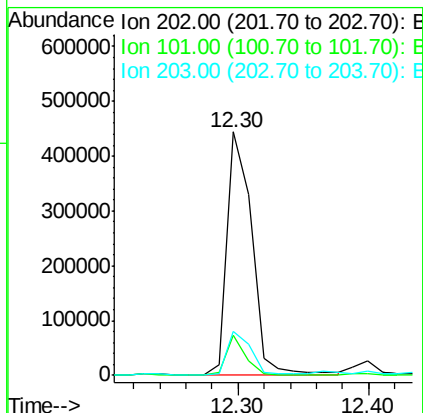
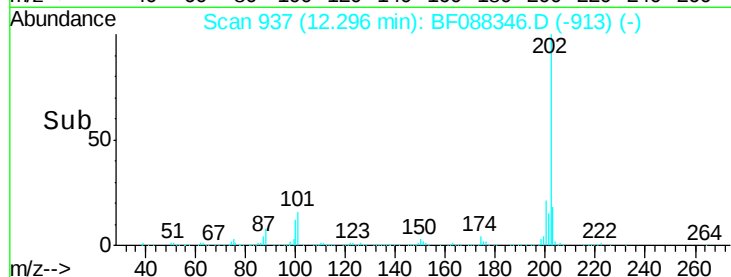
PM-STA-1363(0-4)



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	16.3	0.0	33.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

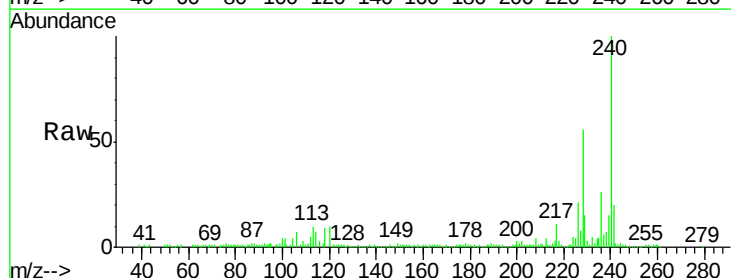
Concen: 20.00 ng

RT: 13.73 min Scan# 1062

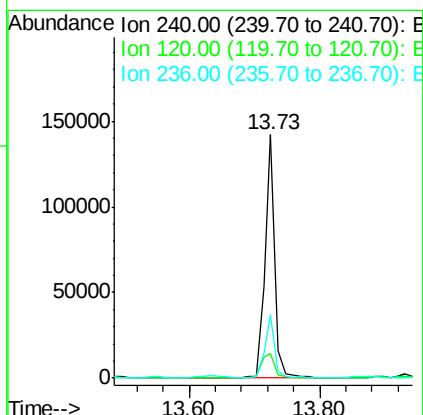
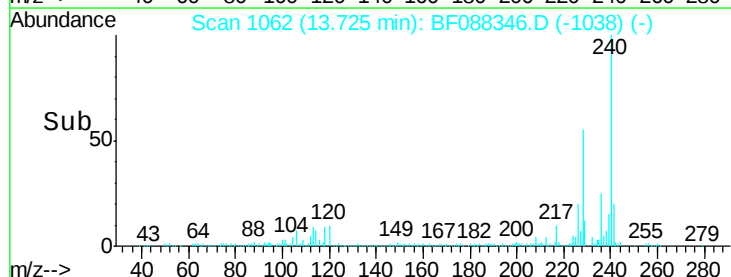
Delta R.T. -0.02 min

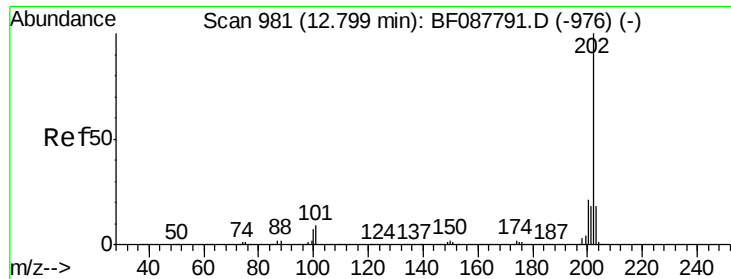
Lab File: BF088346.D

Acq: 24 Jun 2016 22:17



Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.1	6.8	10.2	
236	25.7	20.2	30.2	





#77

Pyrene

Concen: 48.91 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA_F

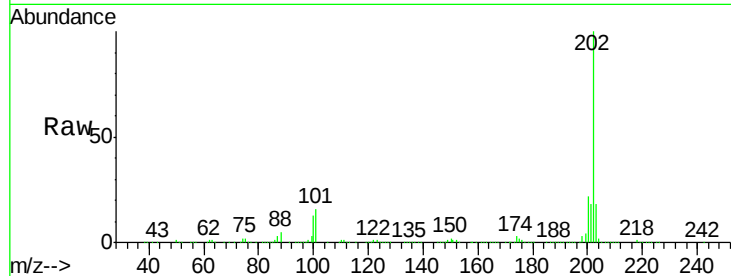
ClientSampleId :

PM-STA-1363(0-4)

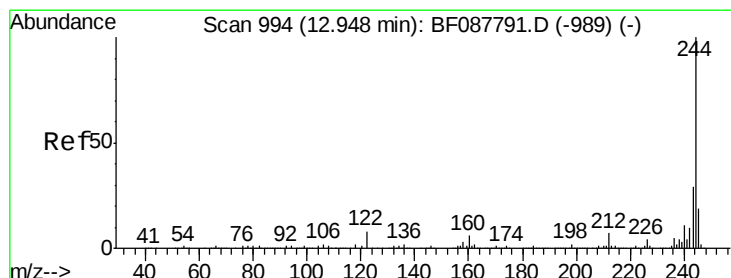
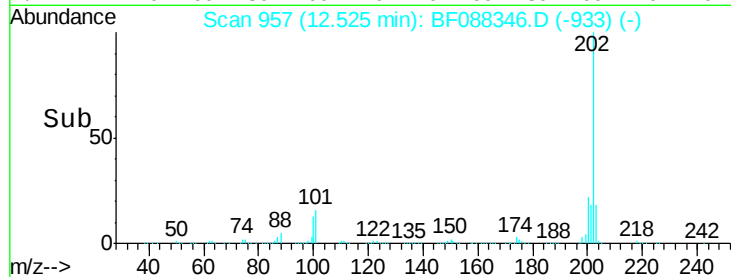
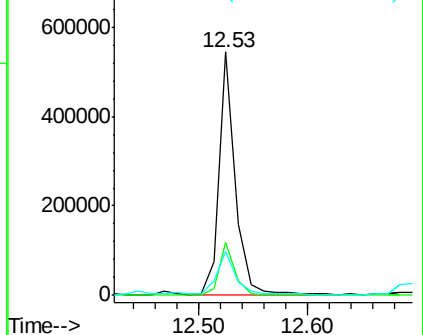
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	559256		
200	21.6		17.4	26.2
203	18.3		14.5	21.7

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



#78

Terphenyl-d14

Concen: 37.60 ng

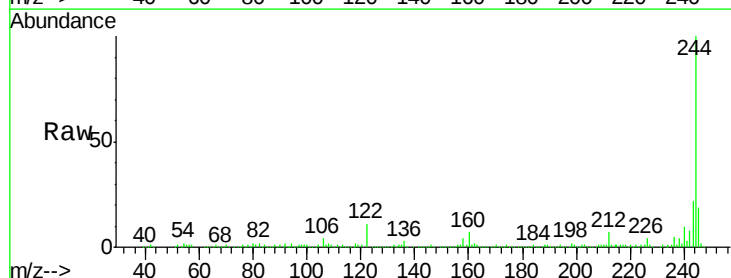
RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

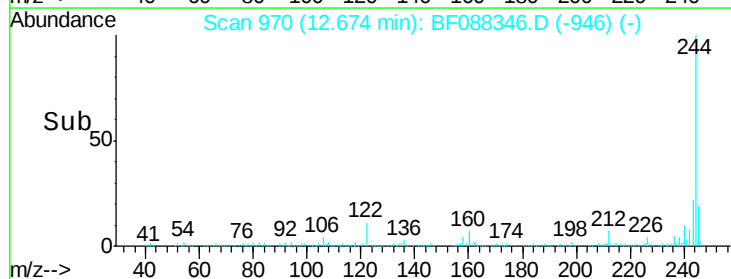
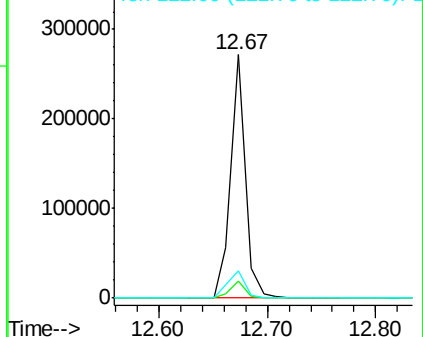
Lab File: BF088346.D

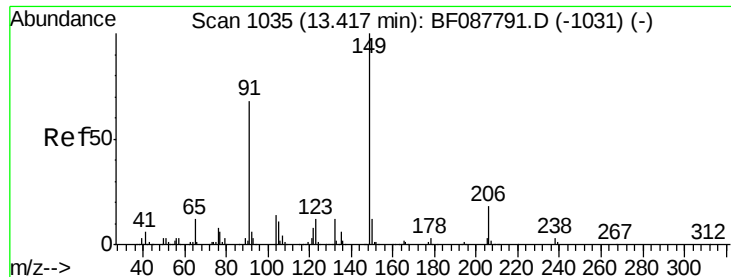
Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	254638		
212	6.8		6.0	9.0
122	11.3		11.2	16.8



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





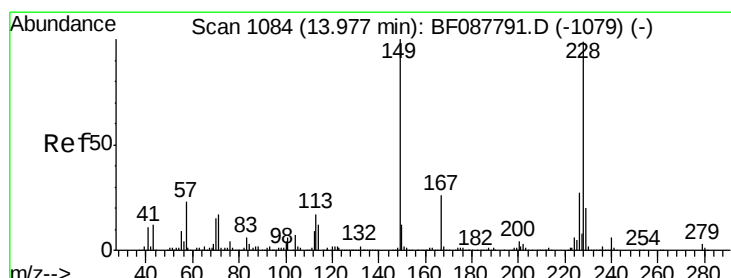
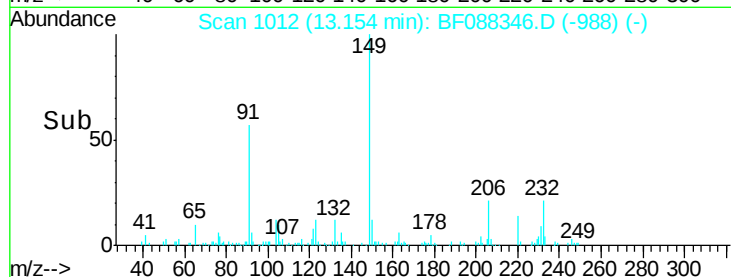
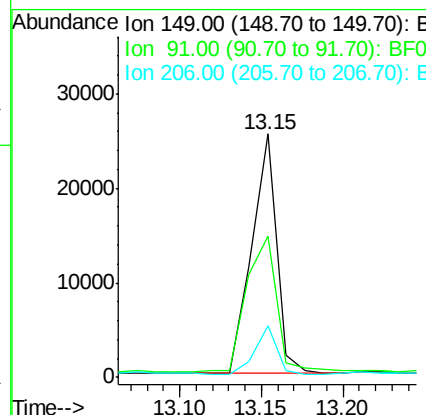
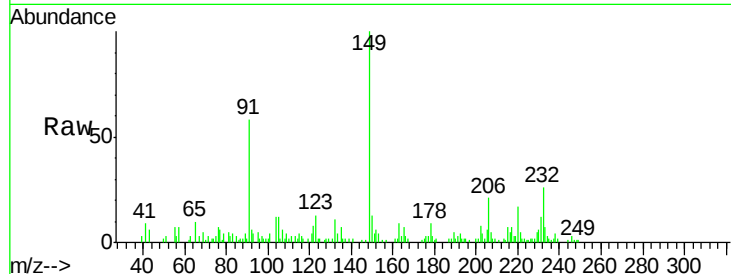
#79
Butylbenzylphthalate
Concen: 5.32 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Instrument :
BNA_F
ClientSampleId :
PM-STA-1363(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	26902		
91	58.0	48.0	72.0	
206	21.2	16.0	24.0	

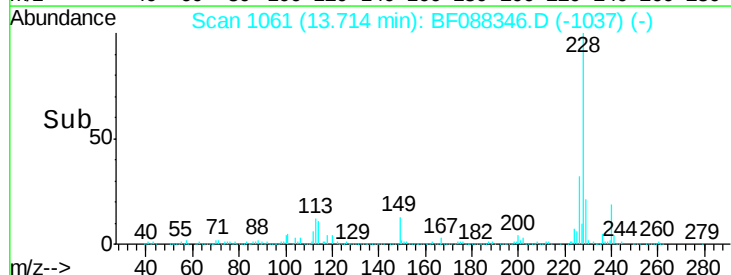
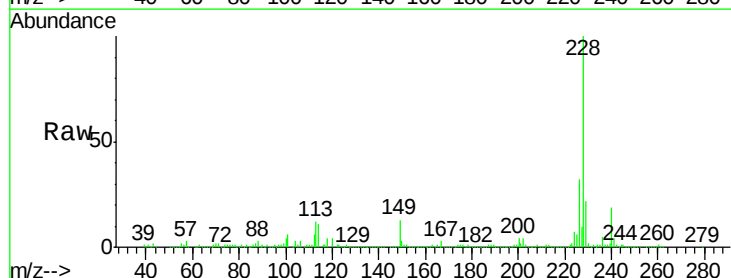
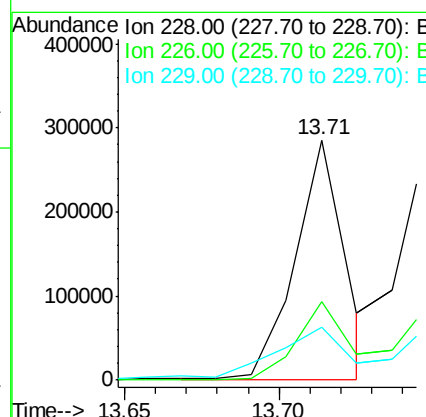
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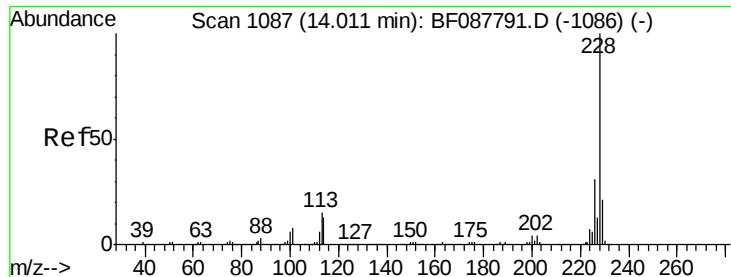
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#80
Benzo(a)anthracene
Concen: 36.54 ng m
RT: 13.71 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	320889		
226	32.5	22.3	33.5	
229	21.8	16.0	24.0	





#82

Chrysene

Concen: 39.79 ng m

RT: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA_F

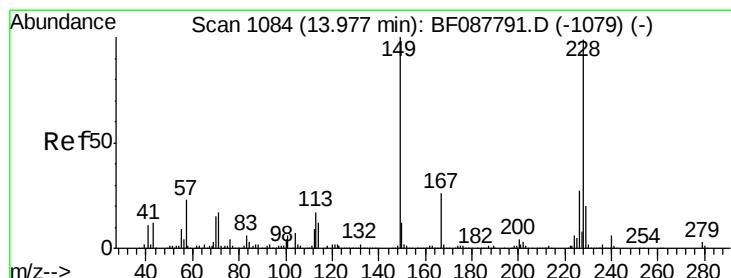
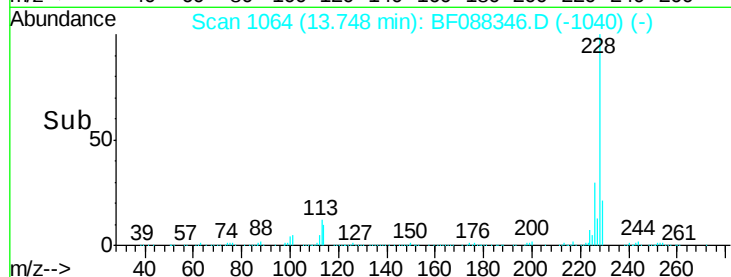
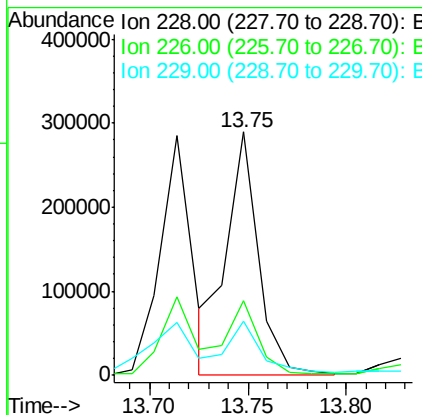
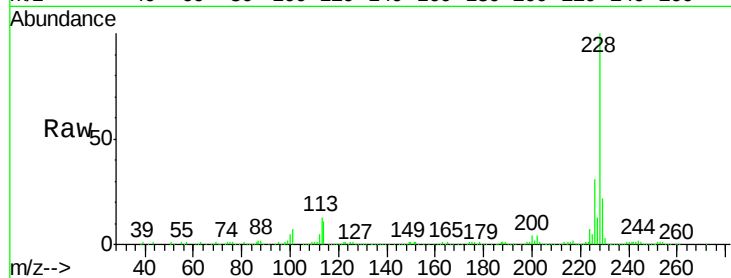
ClientSampleId :

PM-STA-1363(0-4)

Tgt Ion:	228	Resp:	328722
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.4	38.2
229	22.0	16.3	24.5

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 6.06 ng

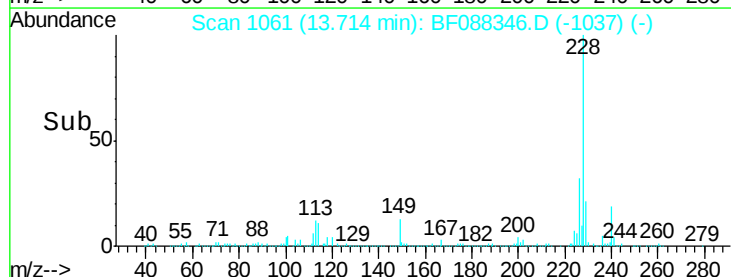
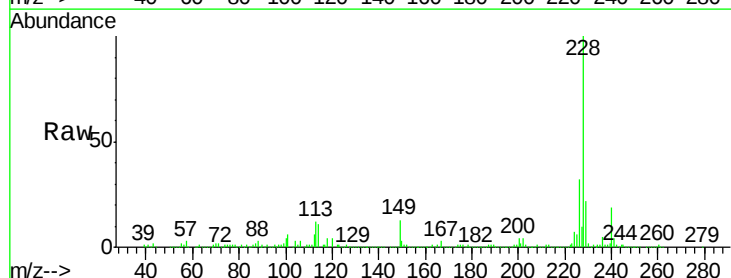
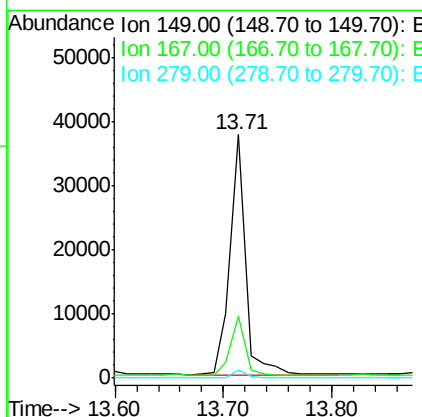
RT: 13.71 min Scan# 1061

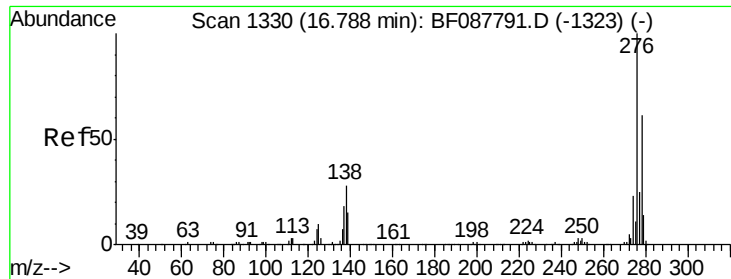
Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Tgt Ion:	149	Resp:	37264
Ion Ratio	Lower	Upper	
149	100		
167	25.3	20.5	30.7
279	3.5	2.0	3.0#





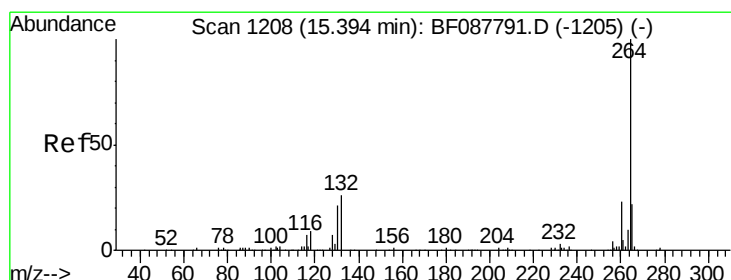
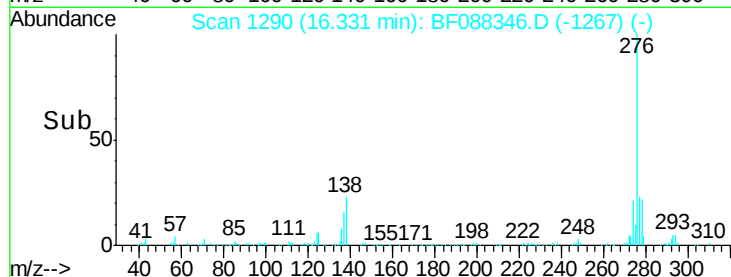
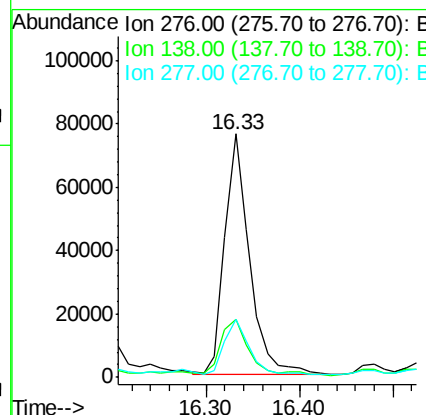
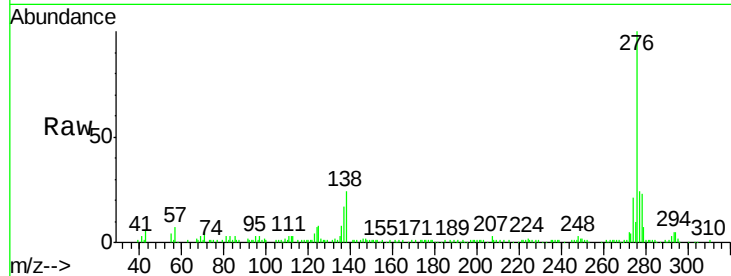
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.35 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.03 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1363(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.2	0.0	0.0#
277	23.1	0.0	0.0#

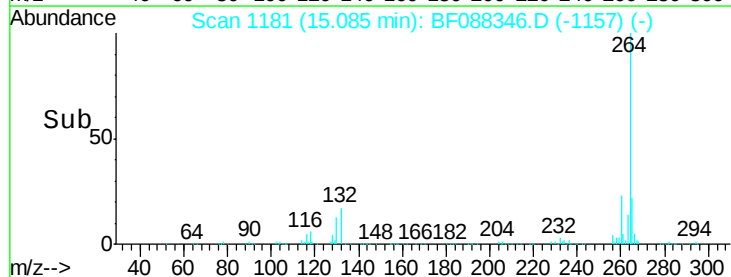
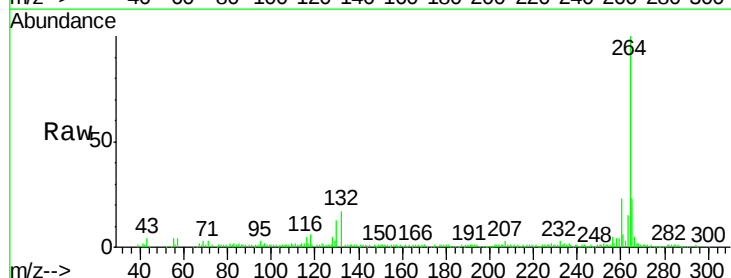
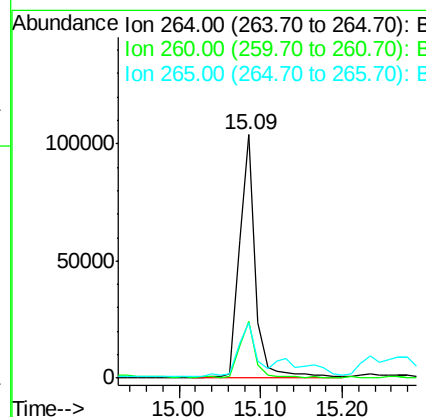
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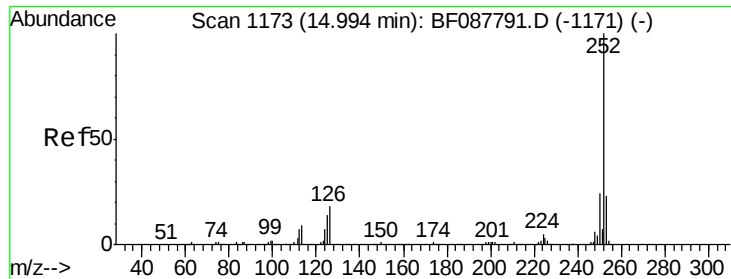
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.4	19.2	28.8
265	22.7	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 44.43 ng m

RT: 14.72 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Instrument :

BNA_F

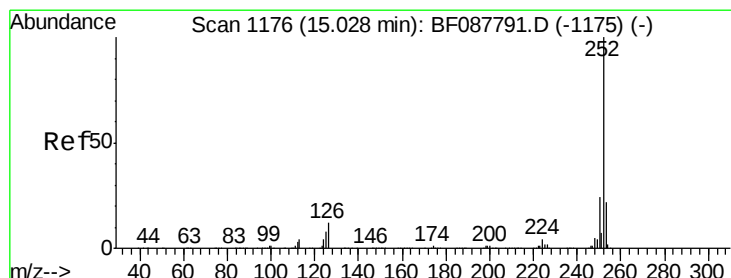
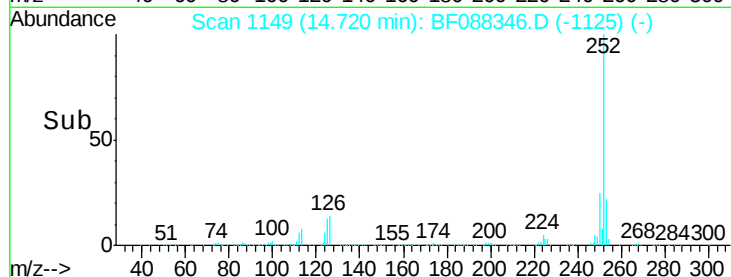
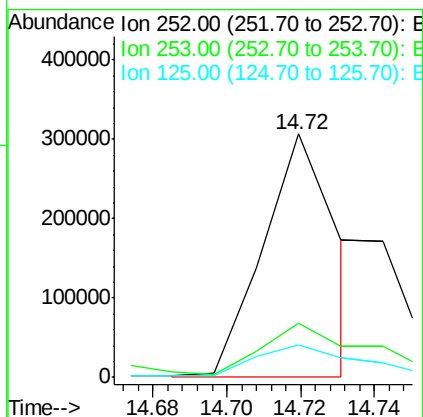
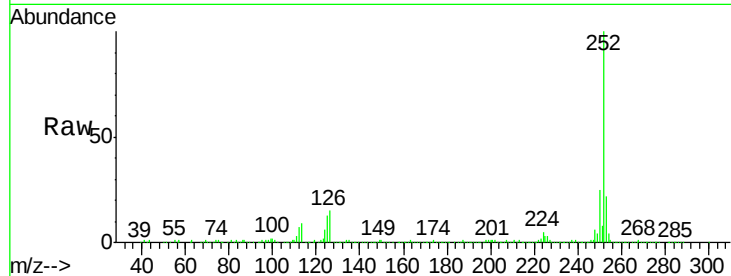
ClientSampleId :

PM-STA-1363(0-4)

Tgt Ion:	252	Resp:	427205
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	13.1	7.1	10.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 20.35 ng m

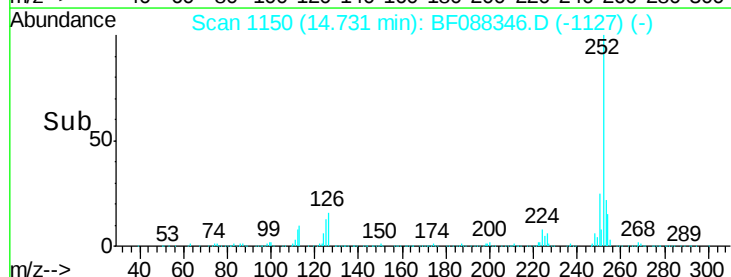
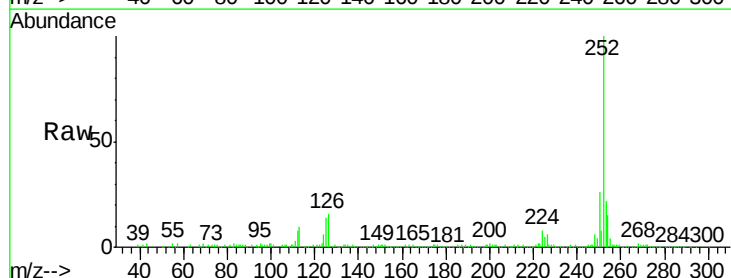
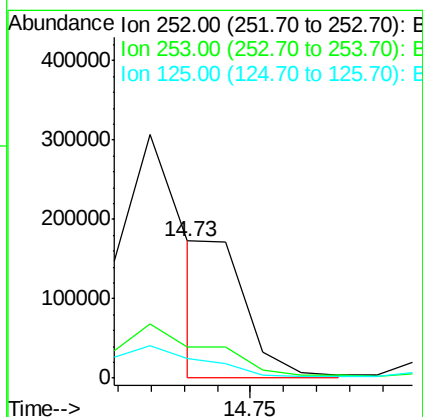
RT: 14.73 min Scan# 1150

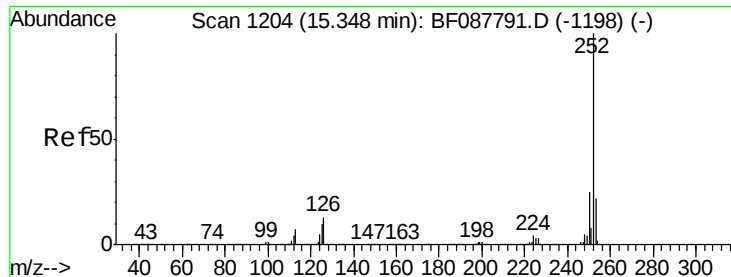
Delta R.T. -0.03 min

Lab File: BF088346.D

Acq: 24 Jun 2016 22:17

Tgt Ion:	252	Resp:	147615
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	13.9	11.2	16.8





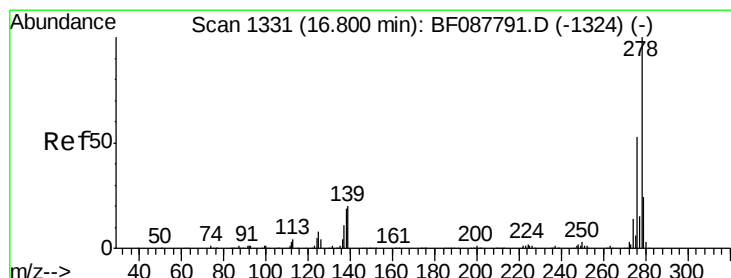
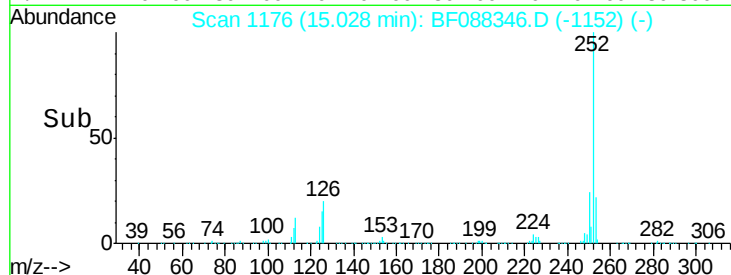
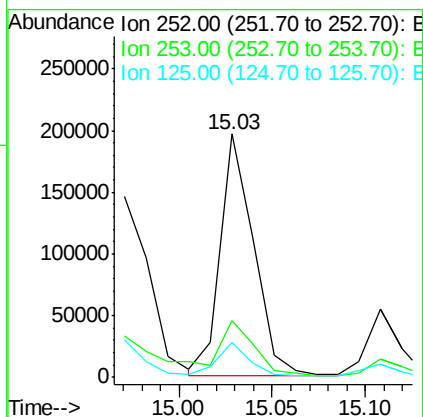
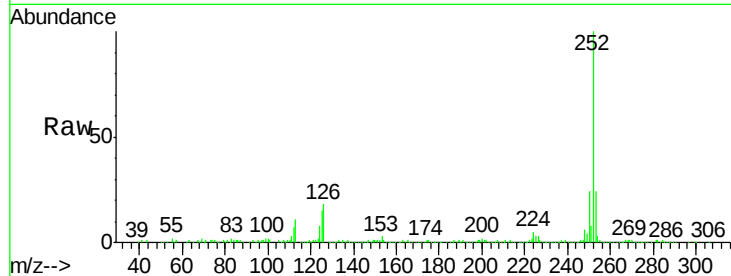
#89
Benzo(a)pyrene
Concen: 31.76 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Instrument :
BNA_F
ClientSampleId :
PM-STA-1363(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.5	12.5	18.7

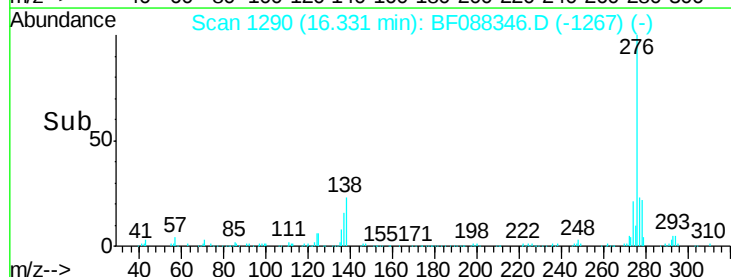
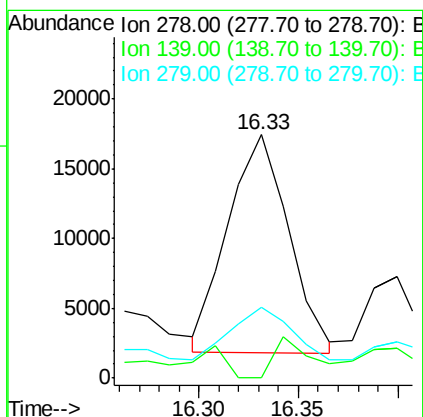
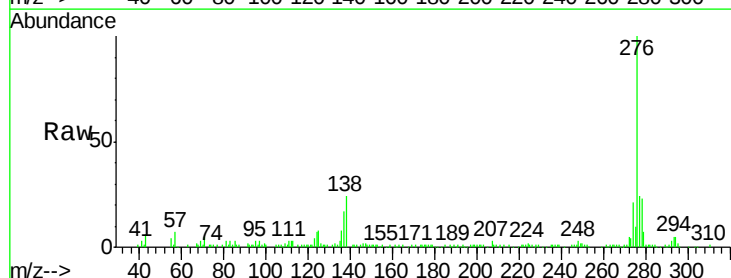
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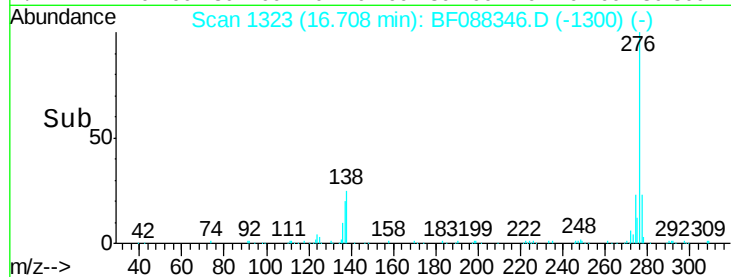
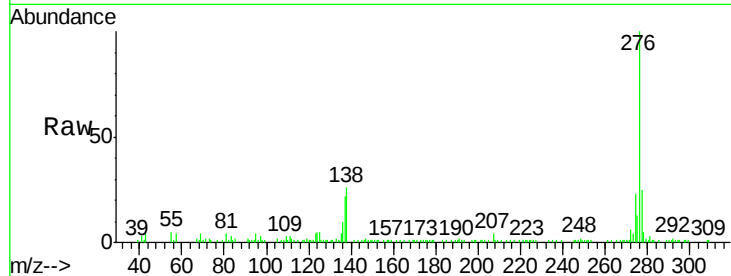
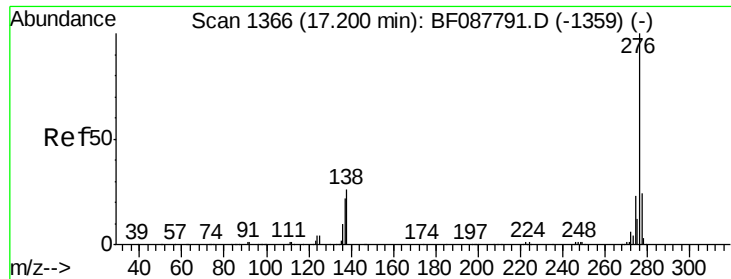
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#90
Dibenzo(a,h)anthracene
Concen: 4.61 ng m
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088346.D
Acq: 24 Jun 2016 22:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.9	19.4	29.2





#91
 Benzo(g,h,i)perylene
 Concen: 16.08 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF088346.D
 Acq: 24 Jun 2016 22:17

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1363(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	119479		
277	24.8	18.9	28.3	
138	26.1	21.4	32.2	

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:12:16 PM

