

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088344.D
 Acq On : 24 Jun 2016 21:19
 Operator : UM/SJ
 Sample : H3598-04 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Manual Integrations
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Quant Time: Jun 27 11:45:19 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	83934	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	335564	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	150493	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	251745	20.00	ng	0.00
75) Chrysene-d12	13.73	240	175516	20.00	ng	0.00
86) Perylene-d12	15.07	264	173154	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	52546	10.70	ng	0.01
7) Phenol-d6	6.25	99	84565	14.21	ng	-0.01
23) Nitrobenzene-d5	7.16	82	45574	7.93	ng	0.00
41) 2,4,6-Tribromophenol	10.41	330	14943	9.40	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	72489	2.17	ng	-0.01
78) Terphenyl-d14	12.67	244	37817	4.90	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.47	152	45059	2.91	ng	99
51) Acenaphthene	9.64	154	24262	2.51	ng	99
70) Phenanthrene	11.12	178	411835	31.18	ng	98
71) Anthracene	11.16	178	128994	9.68	ng	98
72) Carbazole	11.34	167	33490	2.69	ng	99
74) Fluoranthene	12.30	202	620994	44.54	ng	97
77) Pyrene	12.53	202	548422	42.11	ng	99
80) Benzo(a)anthracene	13.71	228	311521m	31.15	ng	
82) Chrysene	13.75	228	266623m	28.33	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	109128	12.48	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	376037m	31.16	ng	
88) Benzo(k)fluoranthene	14.73	252	85653m	9.41	ng	
89) Benzo(a)pyrene	15.03	252	212295m	21.74	ng	
90) Dibenzo(a,h)anthracene	16.32	278	29126m	3.21	ng	
91) Benzo(g,h,i)perylene	16.70	276	90142	9.66	ng	98

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

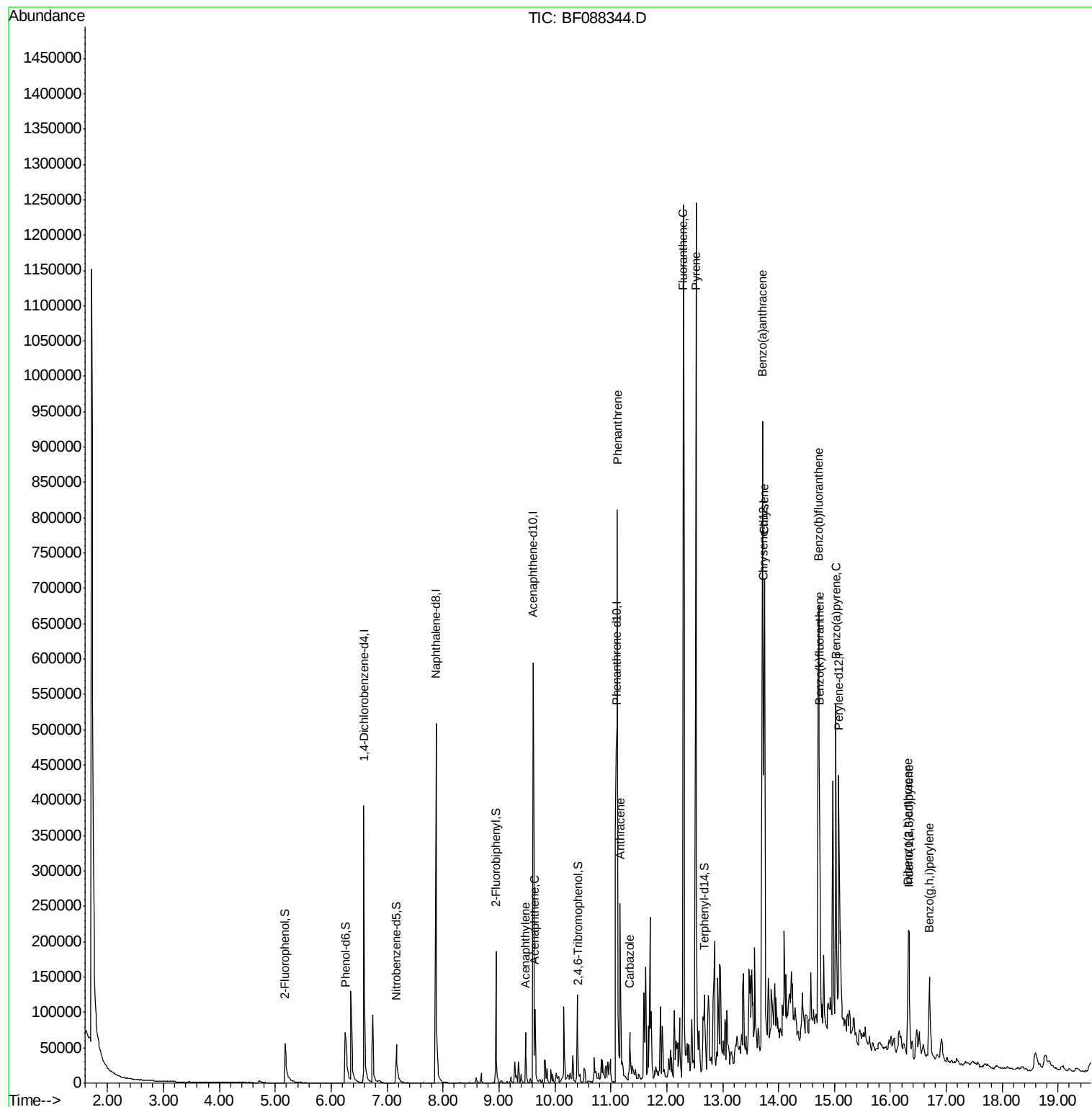
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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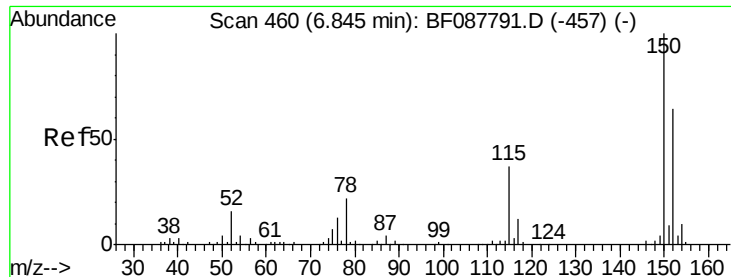
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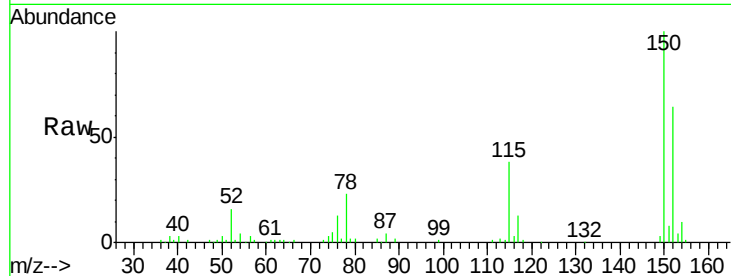




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

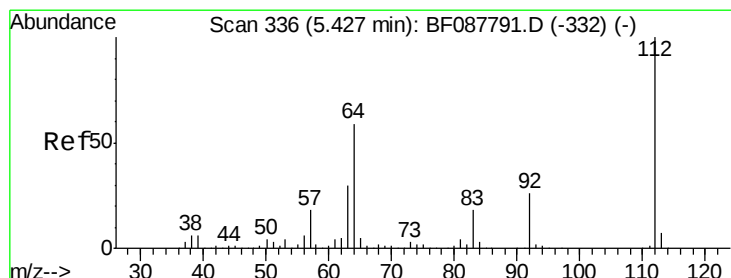
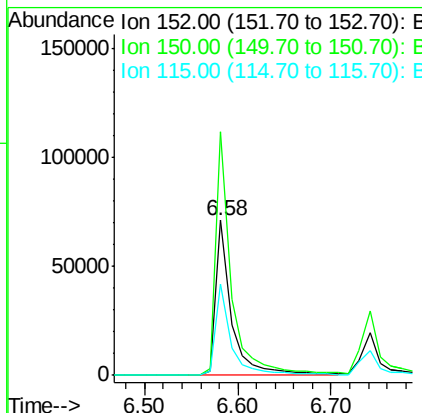
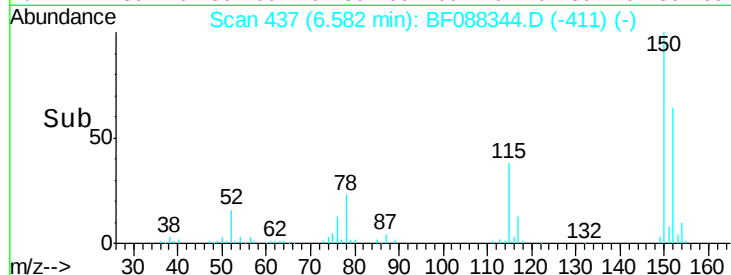
Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	123.8	185.6
115	59.3	39.6	59.4

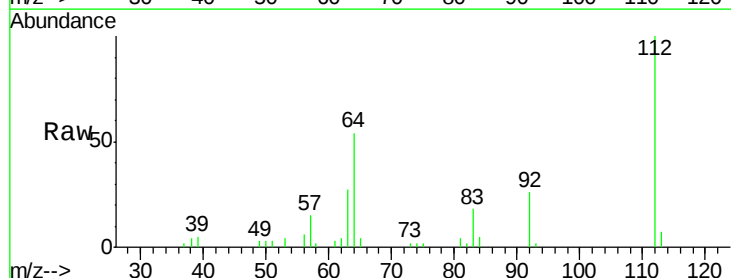
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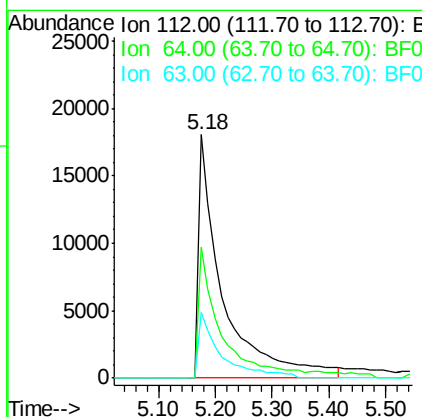
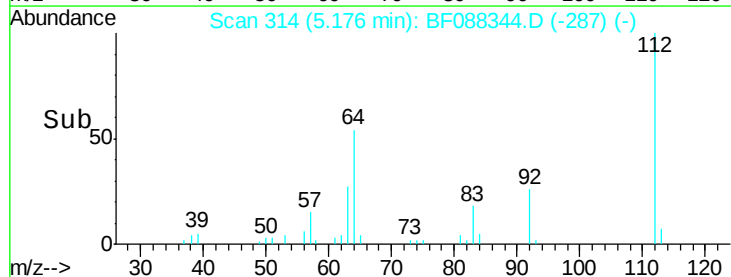


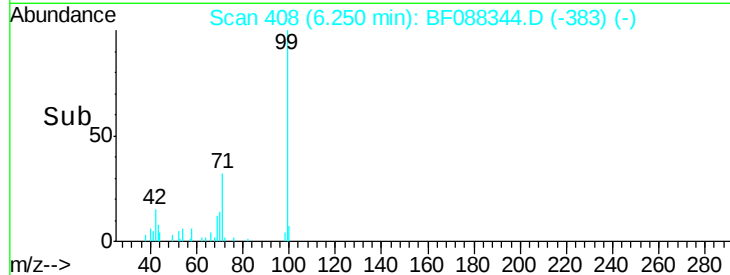
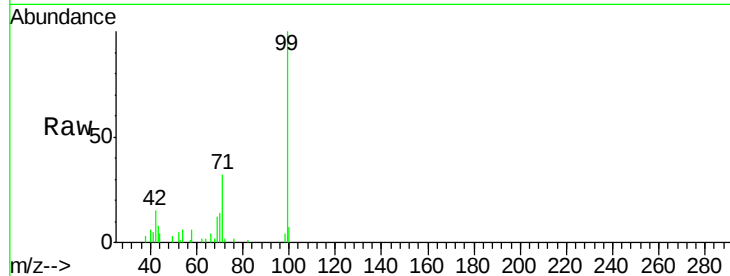
#5

2-Fluorophenol
Concen: 10.70 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.01 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19



Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.2	63.2
63	26.9	21.8	32.8





#7

Phenol-d6

Concen: 14.21 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion:	99	Resp:	84565
Ion Ratio	Lower	Upper	
99	100		
42	14.8	12.2	18.2
71	32.1	23.4	35.0

Instrument :

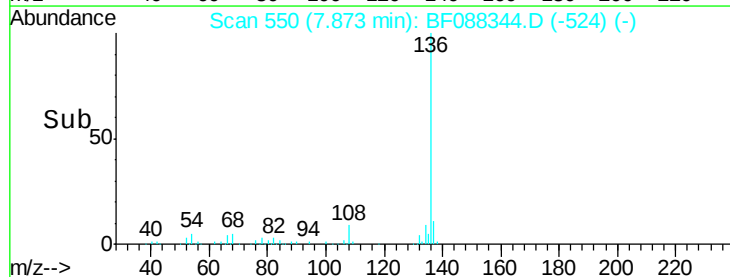
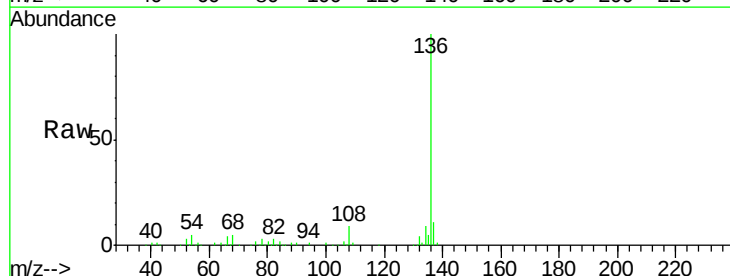
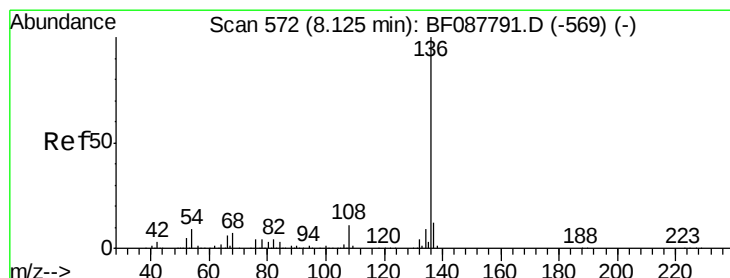
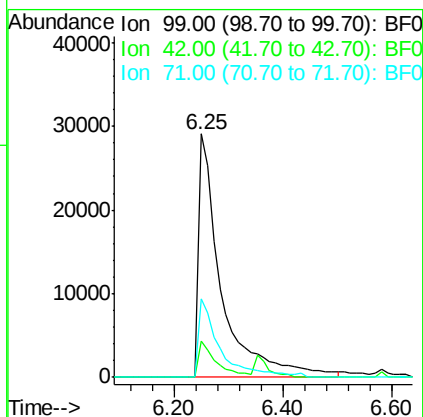
BNA_F

ClientSampleId :

PM-STA-1370(0-4)

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#21

Naphthalene-d8

Concen: 20.00 ng

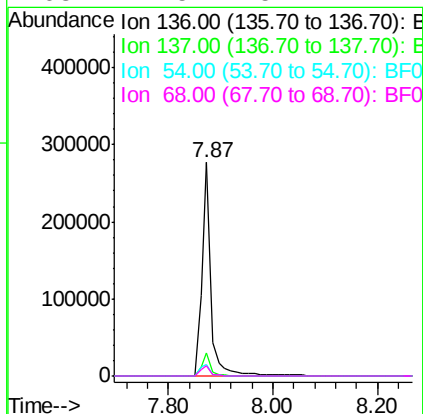
RT: 7.87 min Scan# 550

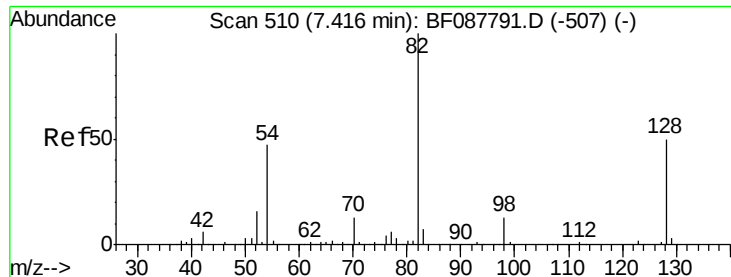
Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion:	136	Resp:	335564
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	5.2	6.6	10.0#
68	4.5	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 7.93 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

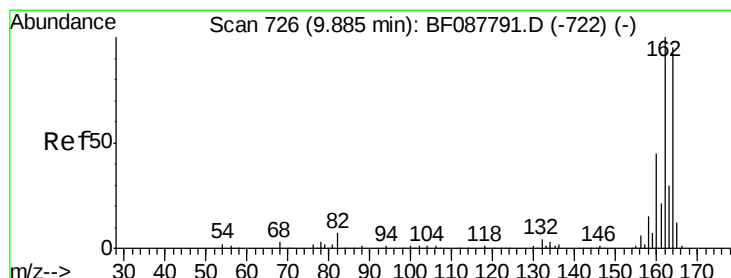
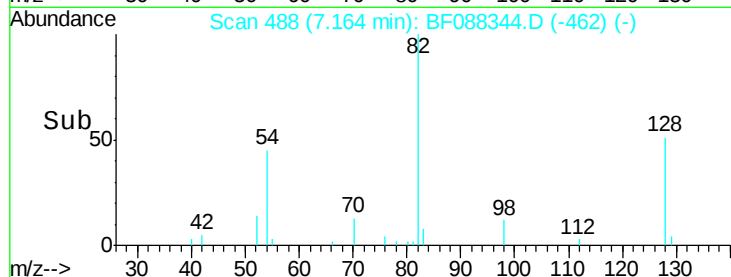
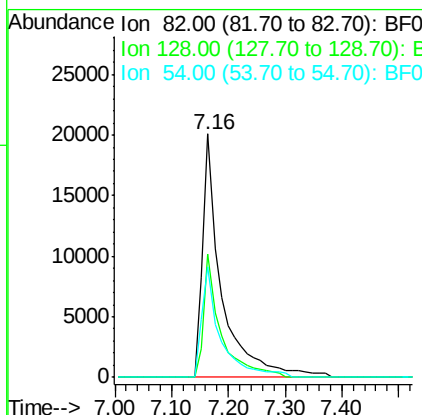
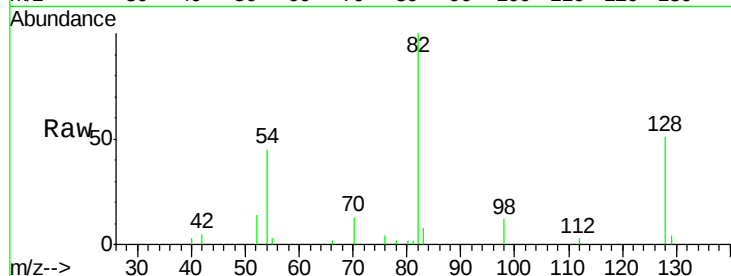
ClientSampleId :

PM-STA-1370(0-4)

Tgt Ion:	82	Resp:	45574
Ion Ratio	Lower	Upper	
82	100		
128	50.8	35.9	53.9
54	45.4	40.9	61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

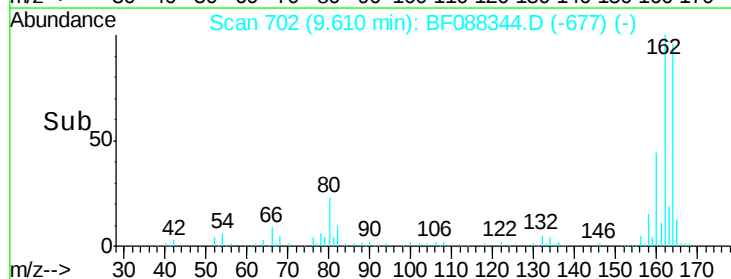
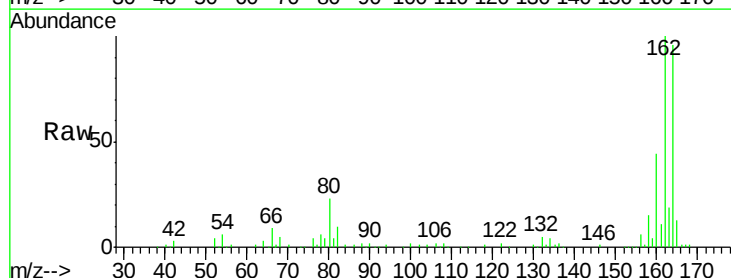
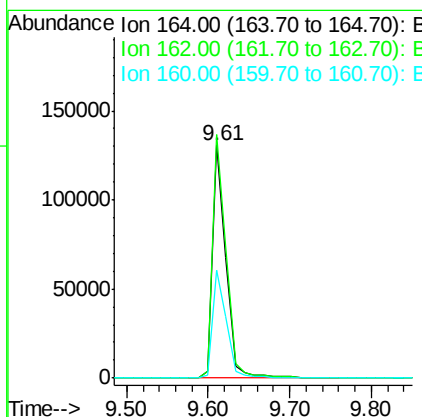
RT: 9.61 min Scan# 702

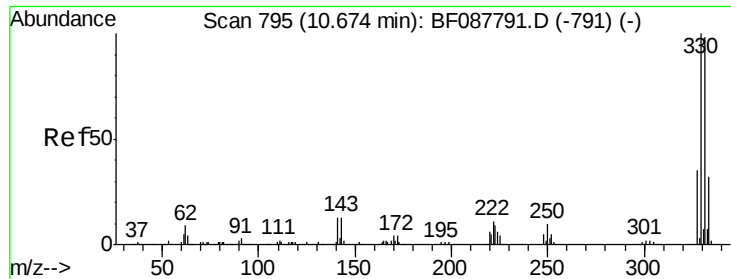
Delta R.T. -0.01 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion:	164	Resp:	150493
Ion Ratio	Lower	Upper	
164	100		
162	104.4	85.4	128.2
160	46.1	39.5	59.3





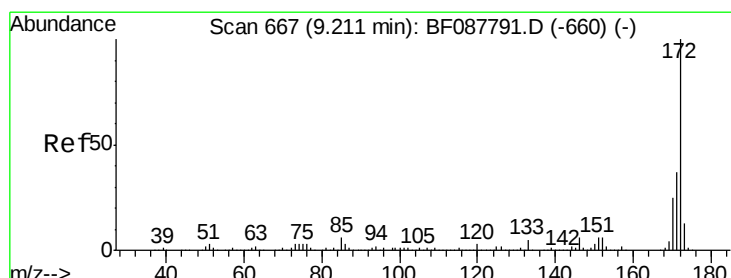
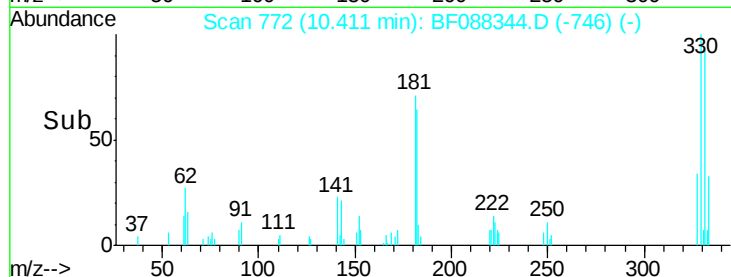
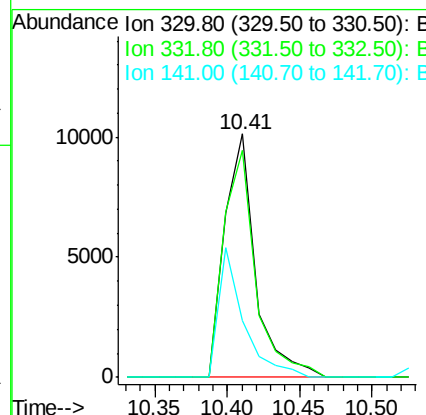
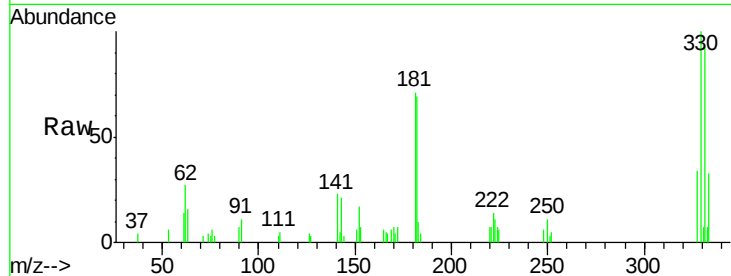
#41
 2,4,6-Tribromophenol
 Concen: 9.40 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14943		
332	96.7	0.0	0.0	0.0
141	43.6	0.0	0.0	0.0

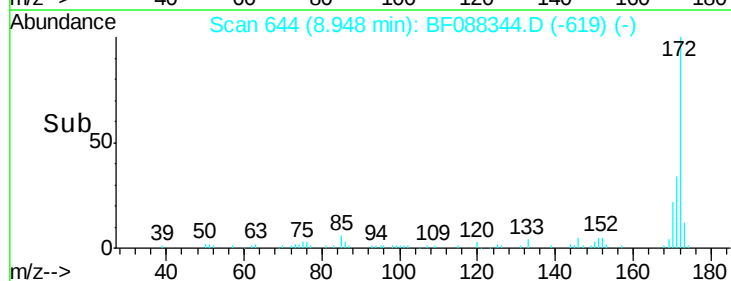
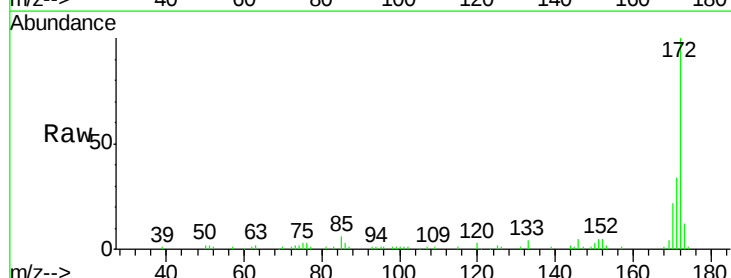
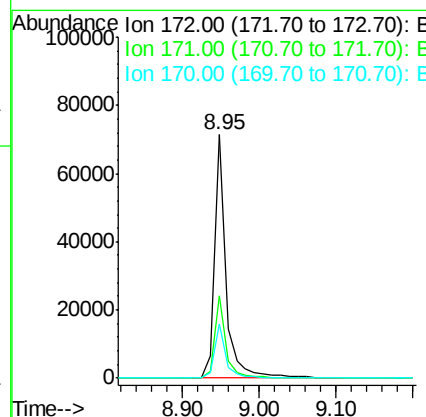
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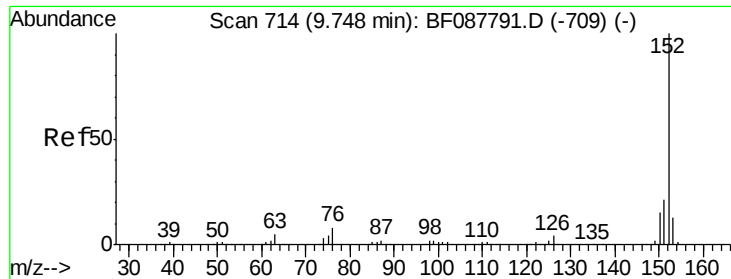
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#44
 2-Fluorobiphenyl
 Concen: 2.17 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	72489		
171	33.7	28.6	43.0	
170	22.3	19.2	28.8	





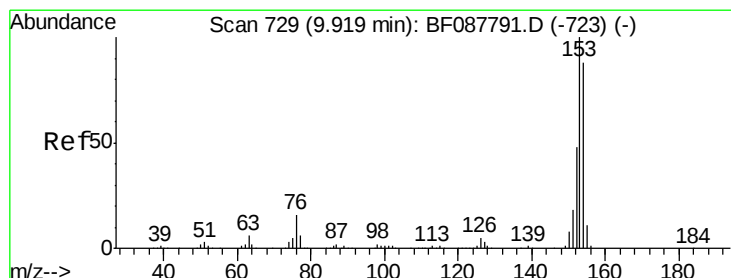
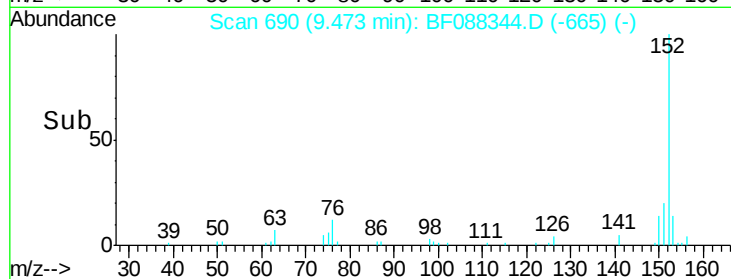
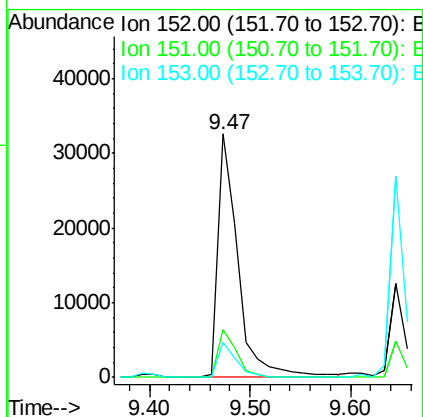
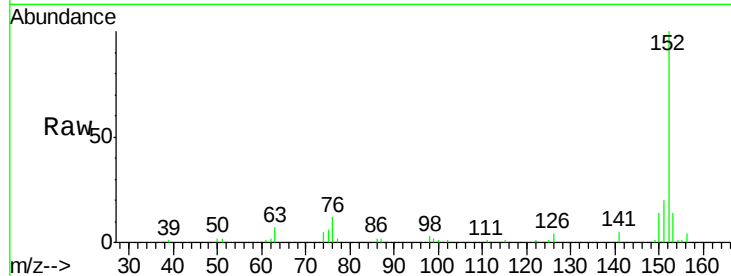
#48
Acenaphthylene
Concen: 2.91 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	14.2	11.0	16.6

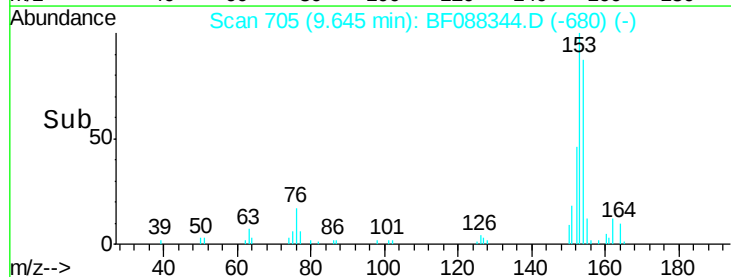
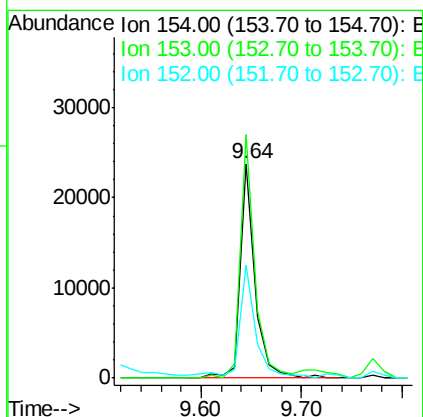
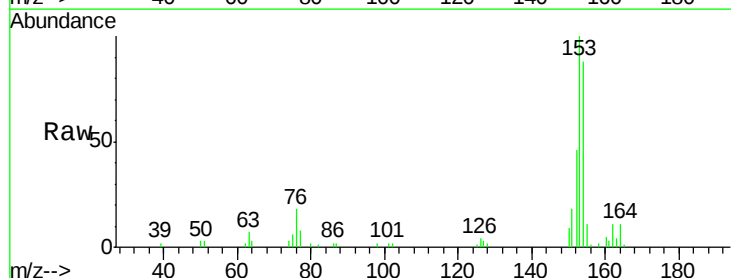
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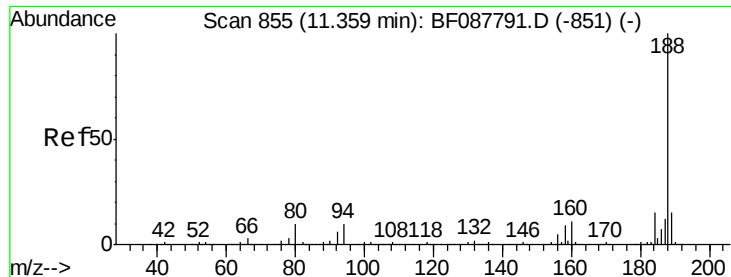
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#51
Acenaphthene
Concen: 2.51 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.01 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.5	134.3
152	52.7	42.7	64.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

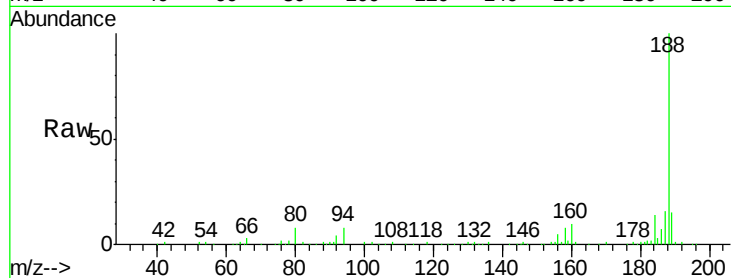
ClientSampleId :

PM-STA-1370(0-4)

Tgt Ion:	188	Resp:	251745
Ion Ratio	Lower	Upper	
188	100		
94	7.7	9.0	13.6#
80	7.9	10.0	15.0#

Manual Integrations
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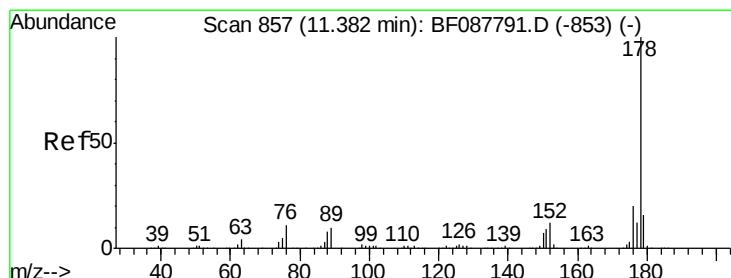
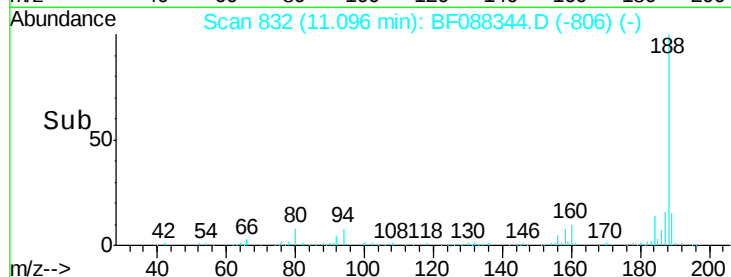
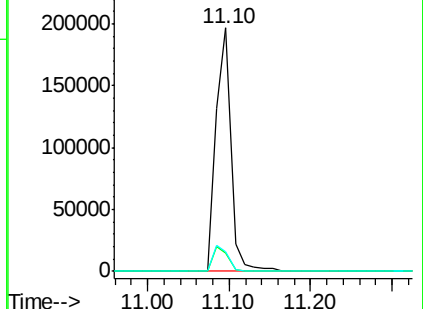
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 31.18 ng

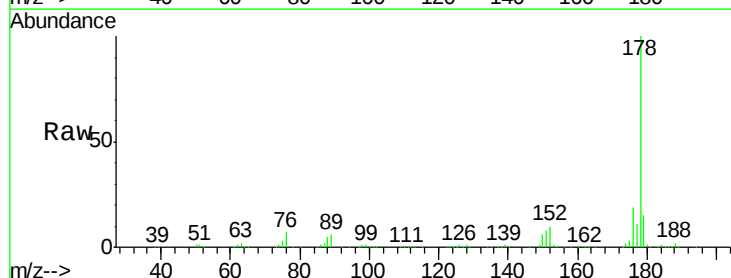
RT: 11.12 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

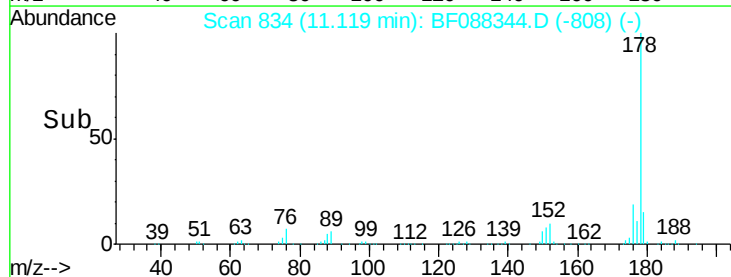
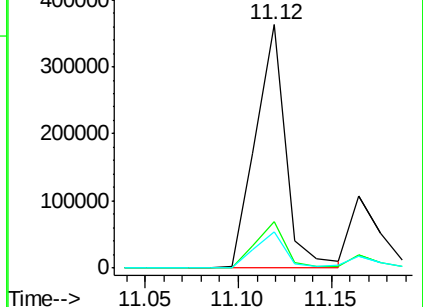
Tgt Ion:	178	Resp:	411835
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.6
179	15.0	13.0	19.4

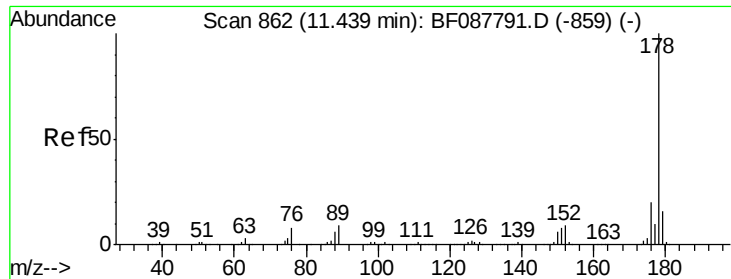


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





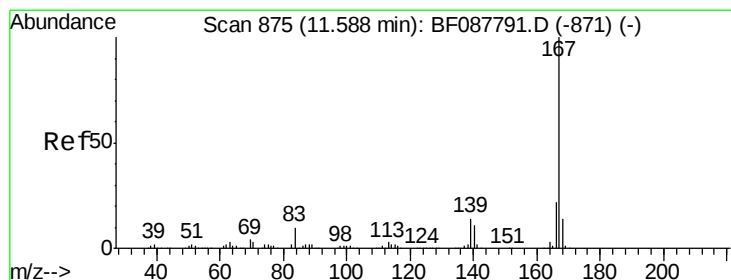
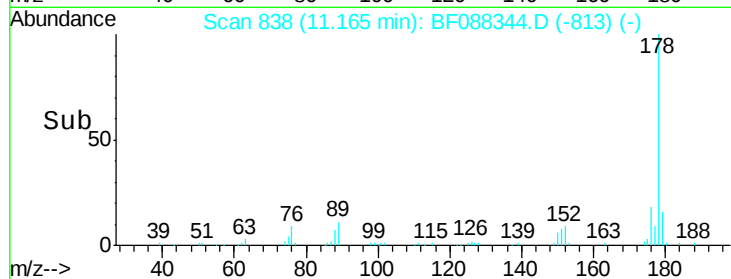
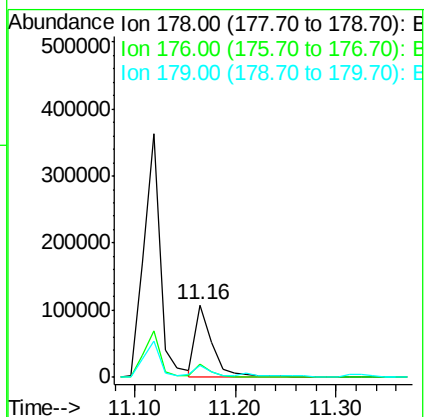
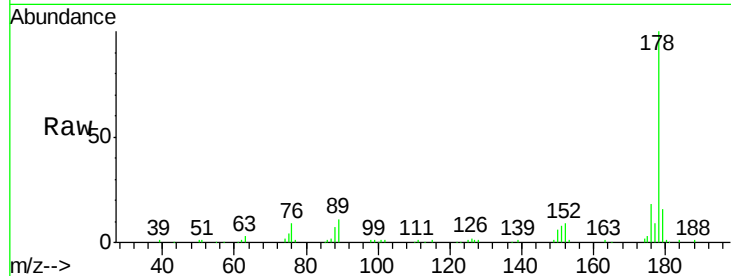
#71
 Anthracene
 Concen: 9.68 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.6	23.4
179	16.2	12.8	19.2

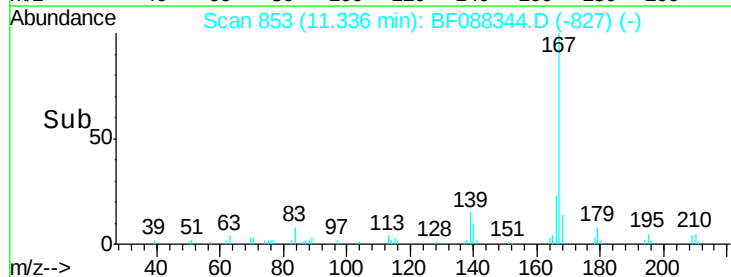
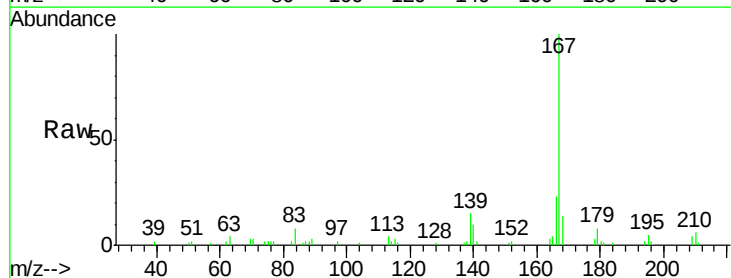
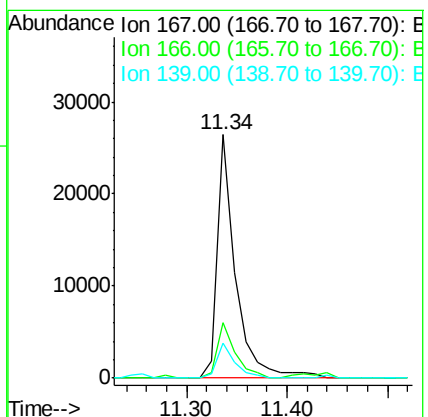
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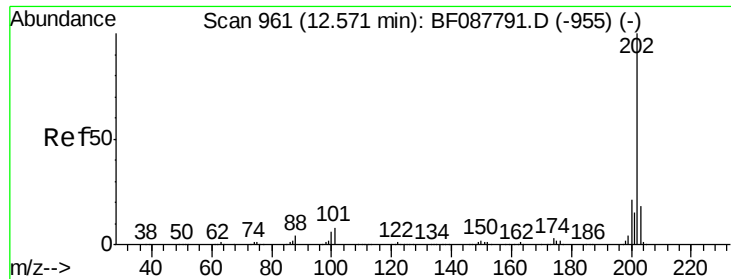
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#72
 Carbazole
 Concen: 2.69 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.8	26.6
139	14.6	11.2	16.8





#74

Fluoranthene

Concen: 44.54 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF088344.D

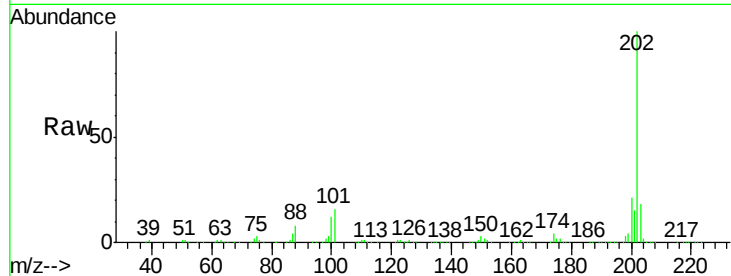
Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

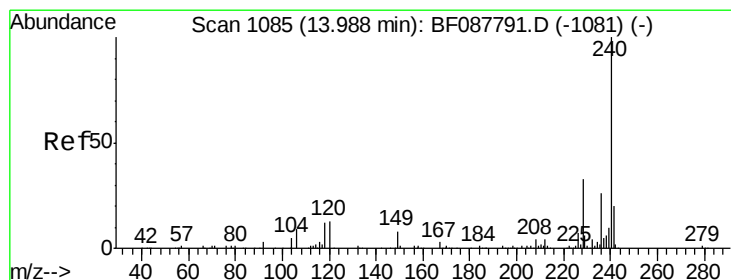
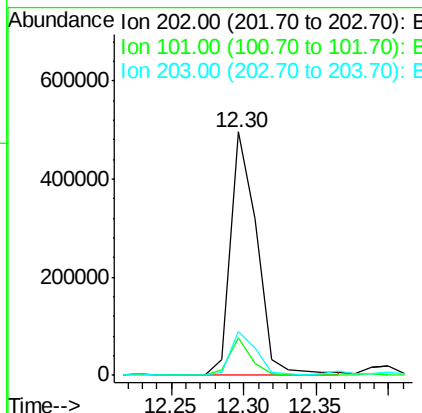
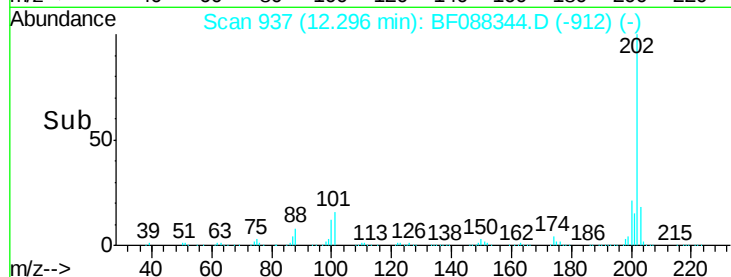
PM-STA-1370(0-4)



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	620994		
101	15.5	0.0	33.1	
203	18.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

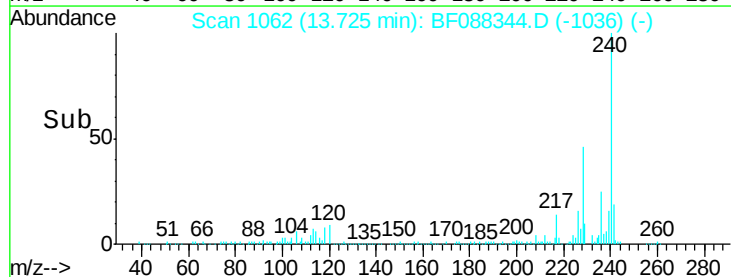
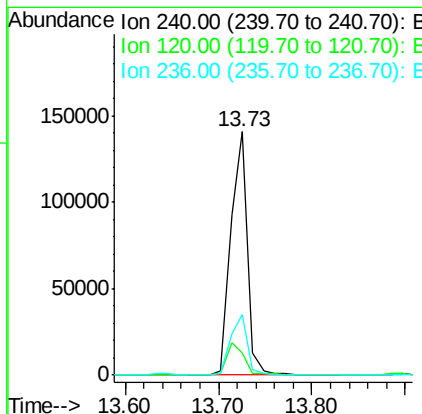
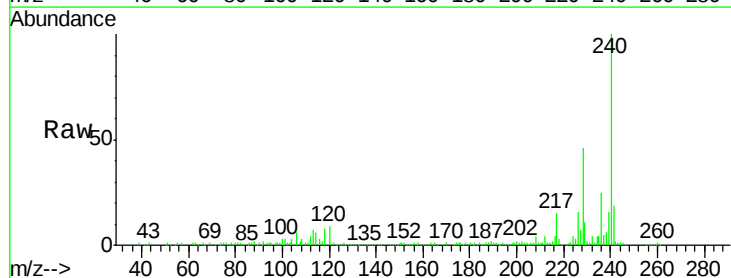
RT: 13.73 min Scan# 1062

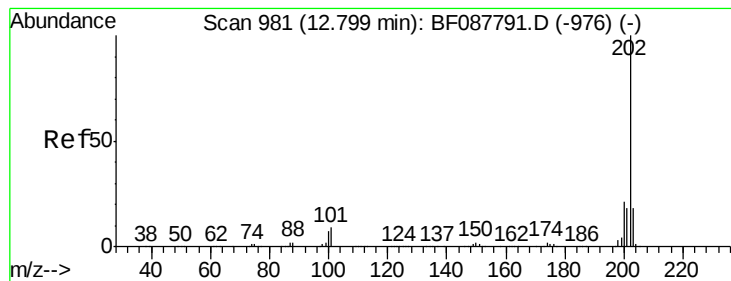
Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	175516		
120	9.1	6.8	10.2	
236	25.0	20.2	30.2	





#77

Pyrene

Concen: 42.11 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

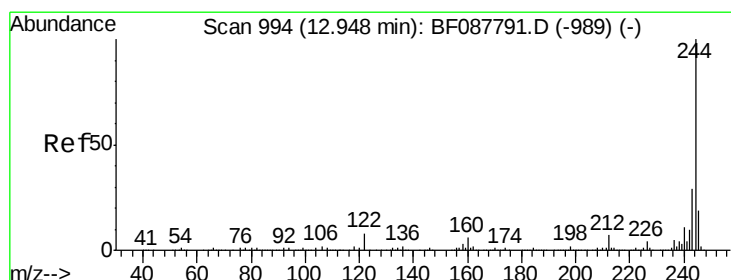
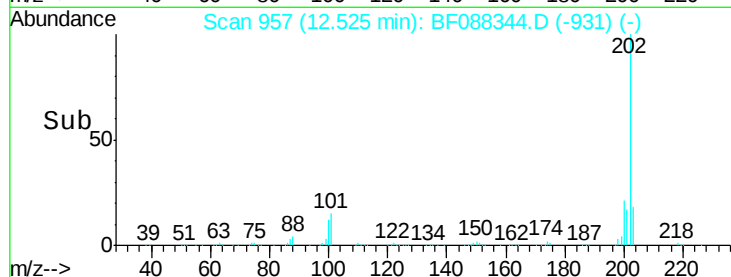
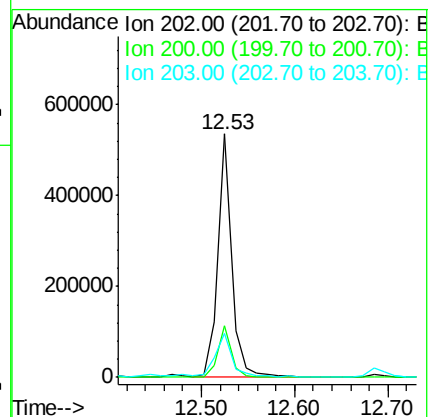
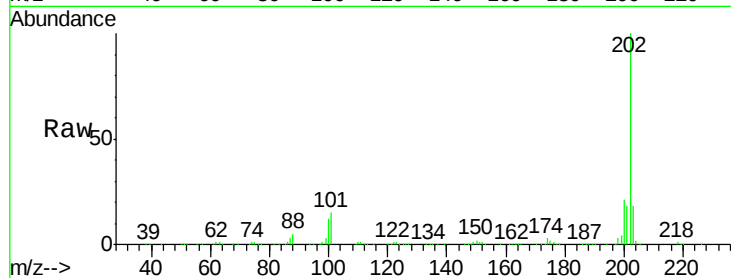
ClientSampleId :

PM-STA-1370(0-4)

Tgt Ion:	202	Resp:	548422
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.9	14.5	21.7

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#78

Terphenyl-d14

Concen: 4.90 ng

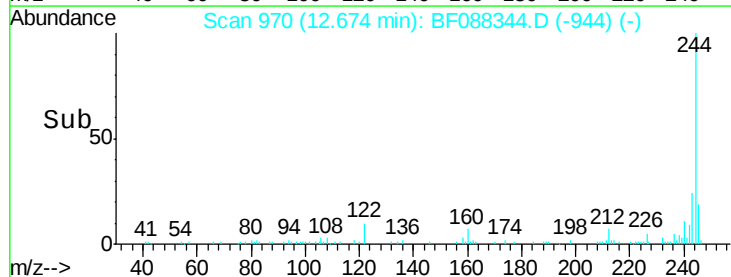
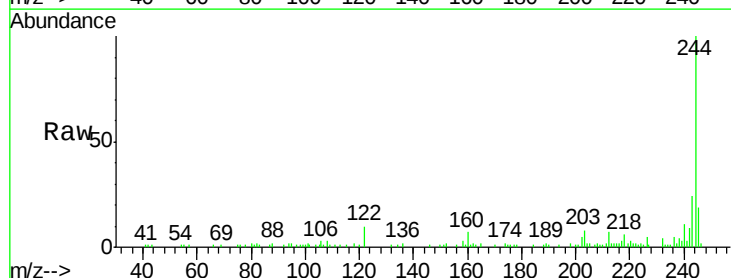
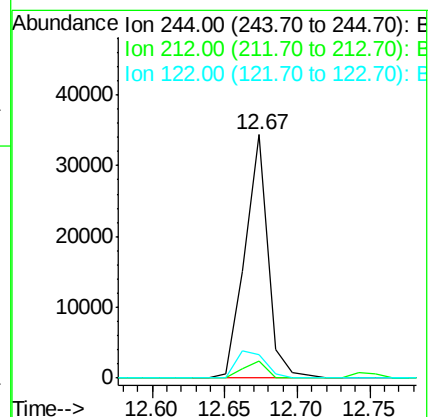
RT: 12.67 min Scan# 970

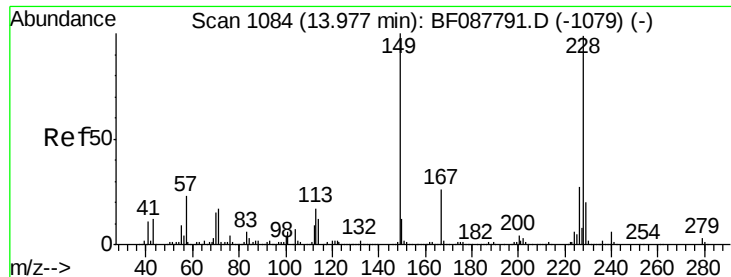
Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion:	244	Resp:	37817
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	9.6	11.2	16.8#





#80

Benzo(a)anthracene

Concen: 31.15 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Instrument :

BNA_F

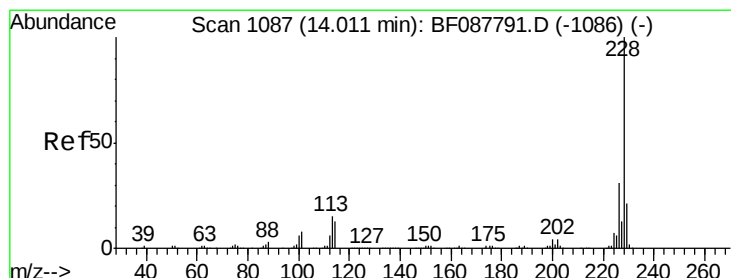
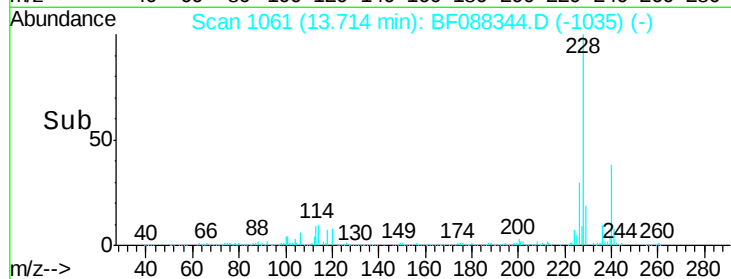
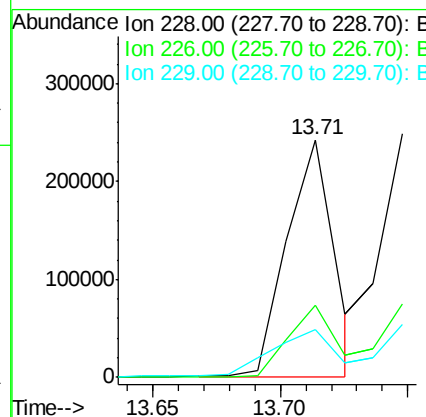
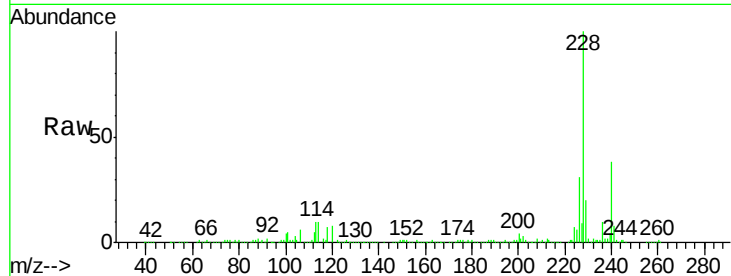
ClientSampleId :

PM-STA-1370(0-4)

Tgt Ion:	228	Resp:	311521
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.3	33.5
229	20.2	16.0	24.0

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#82

Chrysene

Concen: 28.33 ng m

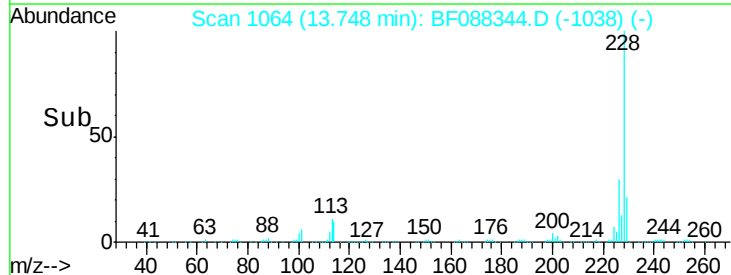
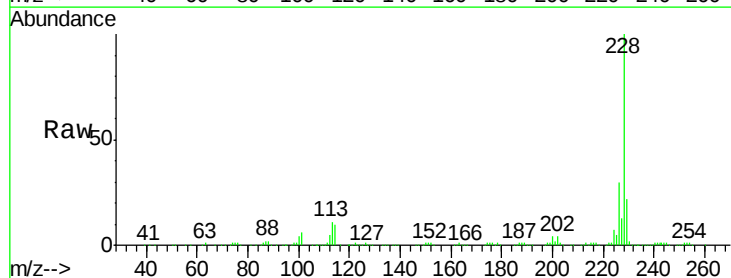
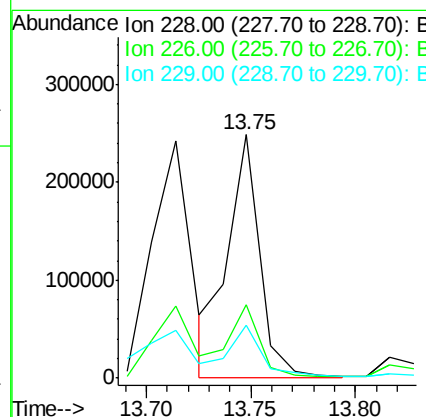
RT: 13.75 min Scan# 1064

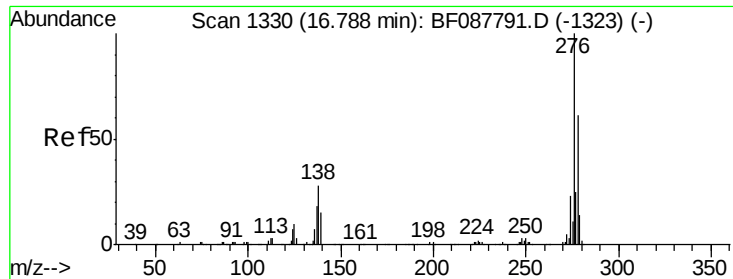
Delta R.T. -0.00 min

Lab File: BF088344.D

Acq: 24 Jun 2016 21:19

Tgt Ion:	228	Resp:	266623
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.2
229	22.0	16.3	24.5





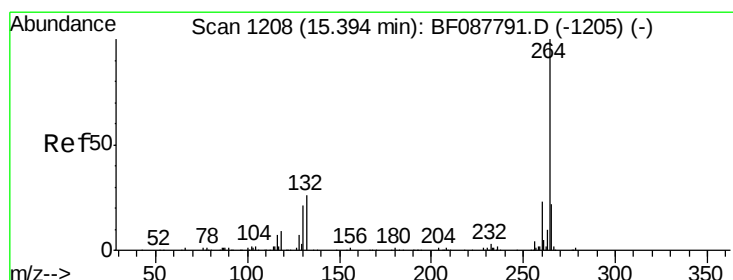
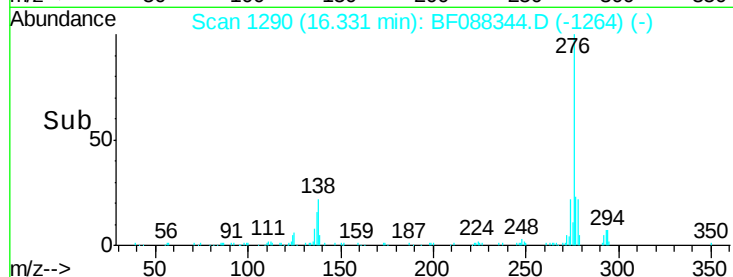
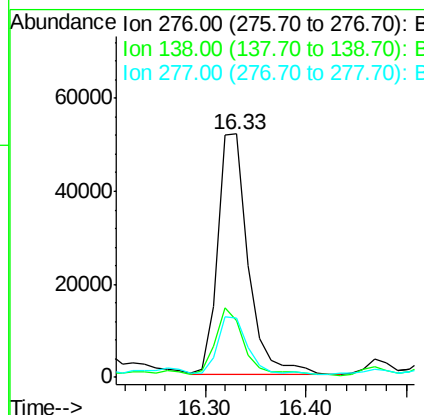
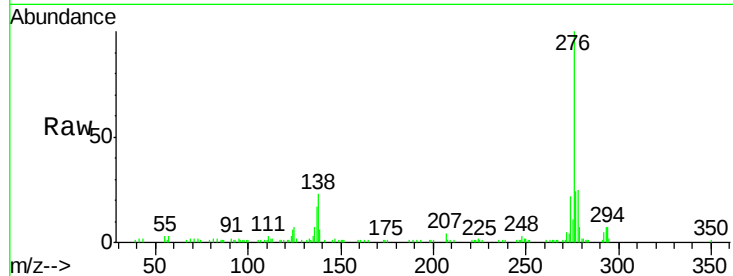
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.48 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.0	0.0	0.0#
277	23.4	0.0	0.0#

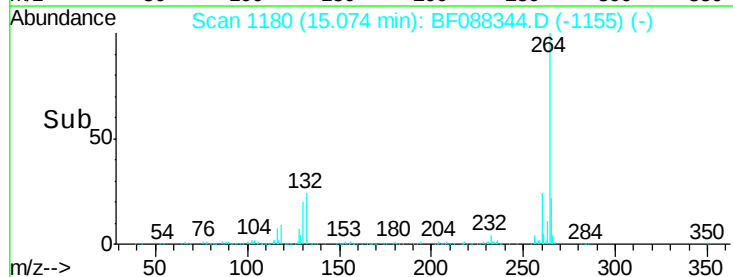
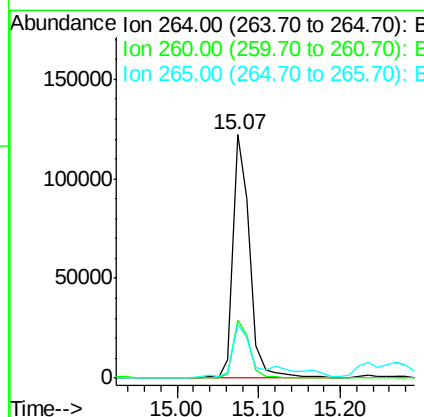
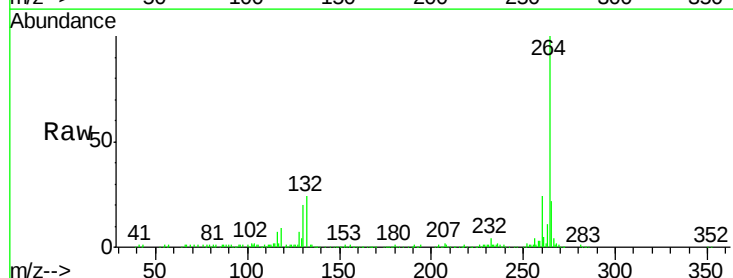
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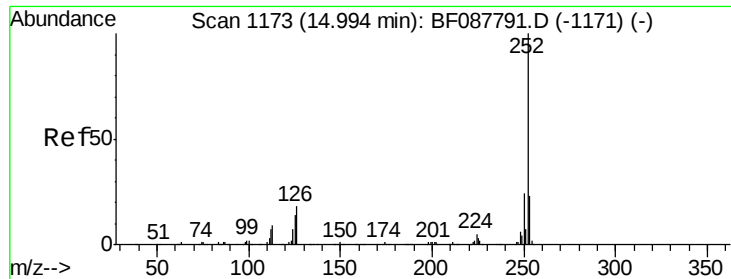
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.9	19.2	28.8
265	22.4	16.9	25.3





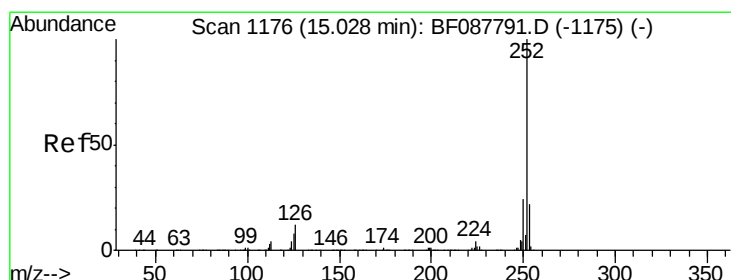
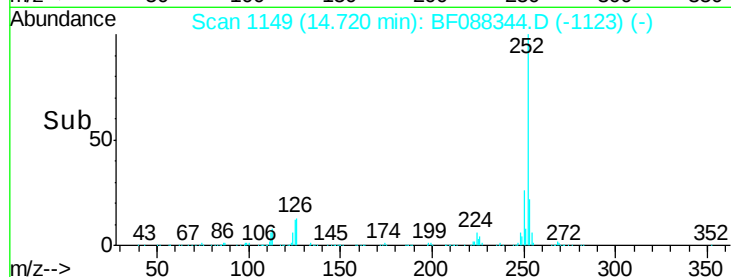
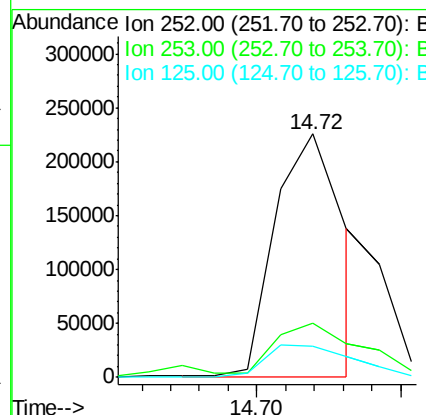
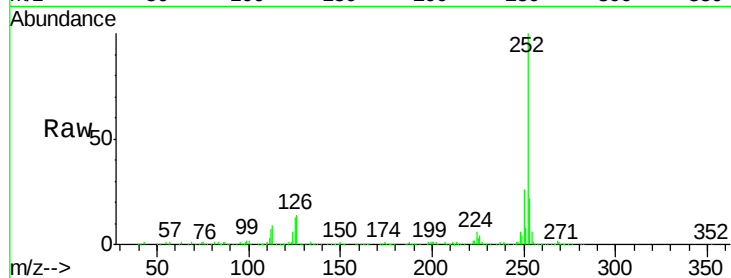
#87
Benzo(b)fluoranthene
Concen: 31.16 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	12.5	7.1	10.7

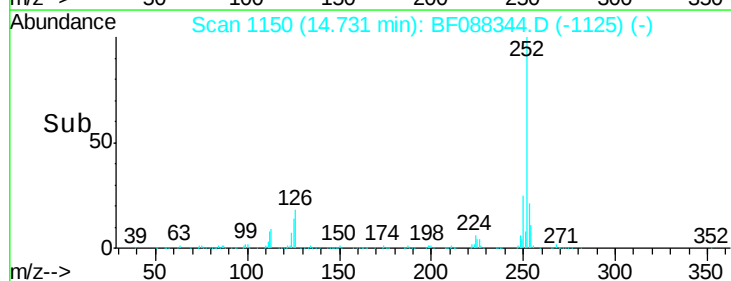
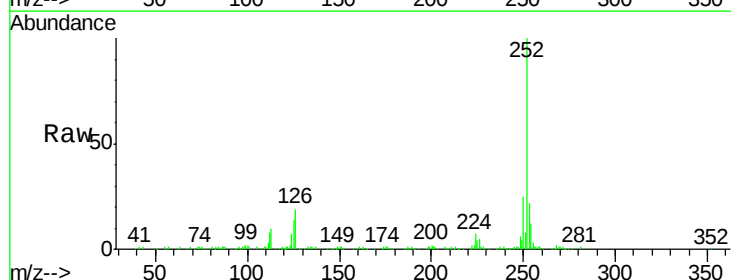
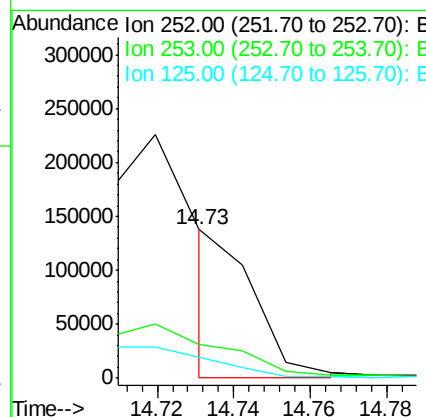
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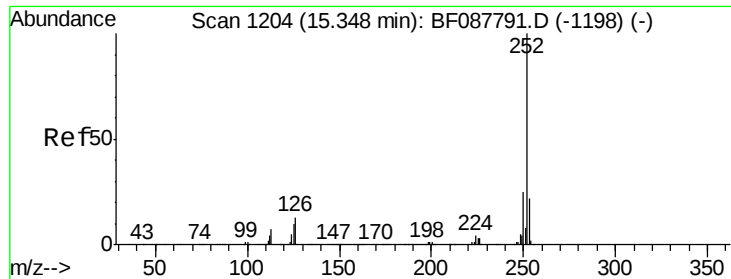
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#88
Benzo(k)fluoranthene
Concen: 9.41 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	14.4	11.2	16.8





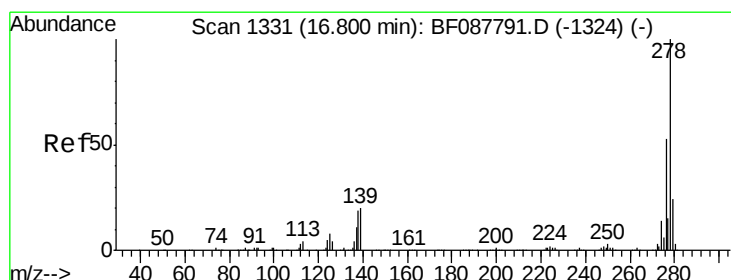
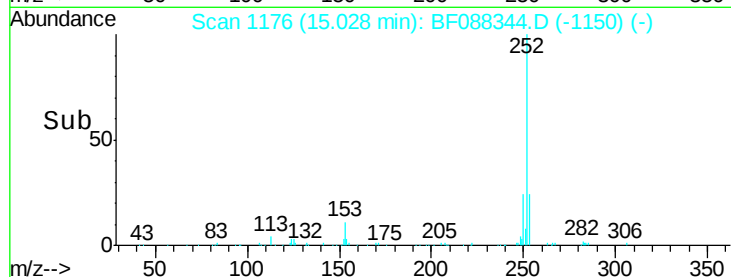
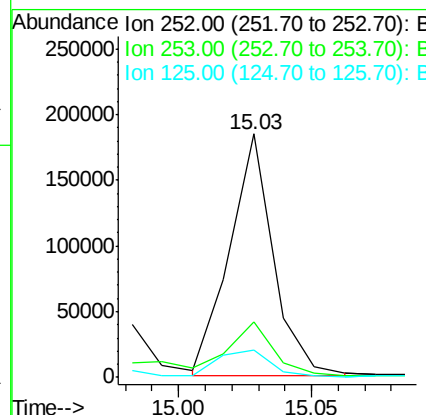
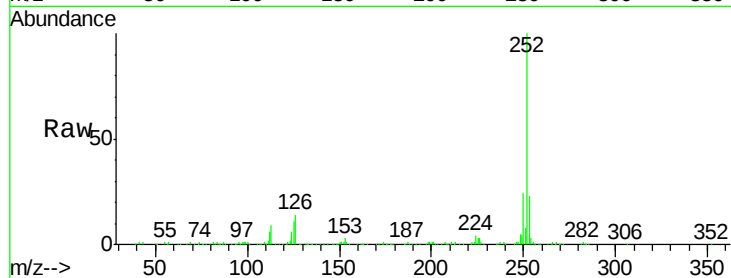
#89
Benzo(a)pyrene
Concen: 21.74 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Instrument :
BNA_F
ClientSampleId :
PM-STA-1370(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	17.9	26.9
125	11.4	12.5	18.7#

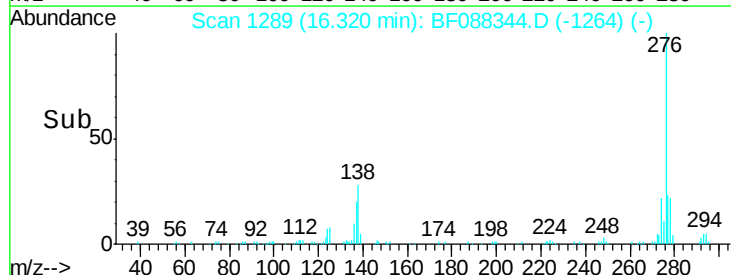
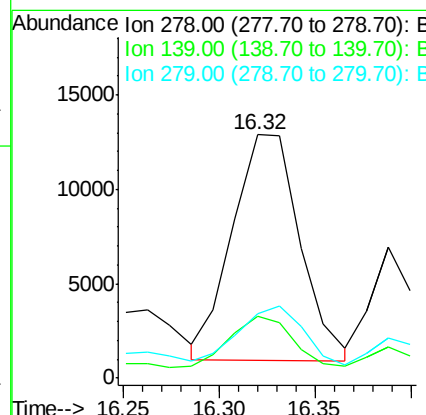
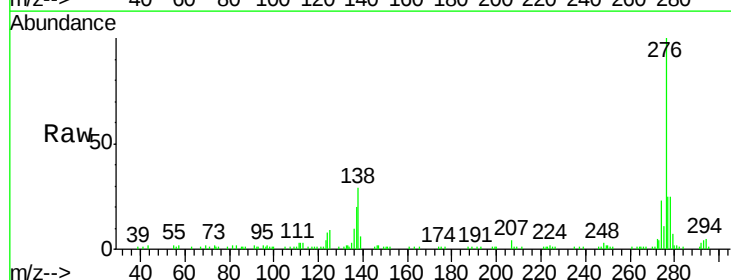
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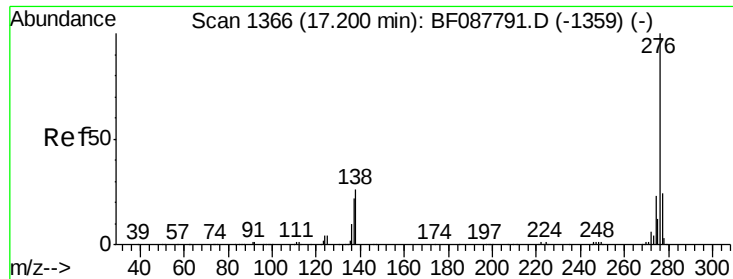
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#90
Dibenzo(a,h)anthracene
Concen: 3.21 ng m
RT: 16.32 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF088344.D
Acq: 24 Jun 2016 21:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	25.2	15.7	23.5#
279	26.4	19.4	29.2





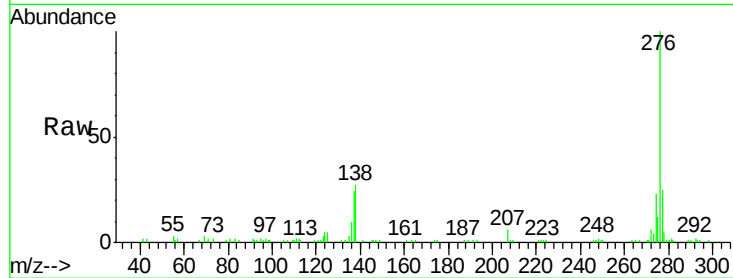
#91
 Benzo(g,h,i)perylene
 Concen: 9.66 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: BF088344.D
 Acq: 24 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1370(0-4)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	27.3	21.4	32.2

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

