

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088335.D
 Acq On : 24 Jun 2016 16:56
 Operator : UM/SJ
 Sample : H3598-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1375(0-4)

Manual Integrations
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Quant Time: Jun 24 18:42:36 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	87471	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	352319	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	158064	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	295287	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	185669	20.00	ng	-0.02
86) Perylene-d12	15.09	264	181791	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	598274	116.93	ng	0.00
7) Phenol-d6	6.25	99	804894	129.80	ng	-0.01
23) Nitrobenzene-d5	7.16	82	521667	86.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	179752	107.70	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	669512	65.25	ng	-0.02
78) Terphenyl-d14	12.67	244	430573	52.77	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.47	152	73623	4.53	ng	99
49) Dimethylphthalate	9.35	163	156222	13.64	ng	99
70) Phenanthrene	11.12	178	232065	14.98	ng	97
71) Anthracene	11.16	178	80822	5.17	ng	98
74) Fluoranthene	12.30	202	743714	45.48	ng	97
77) Pyrene	12.53	202	620255	45.02	ng	100
79) Butylbenzylphthalate	13.15	149	12191	2.00	ng	96
80) Benzo(a)anthracene	13.71	228	315363m	29.81	ng	
82) Chrysene	13.75	228	275084m	27.64	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	147292	15.93	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	380117m	30.00	ng	
88) Benzo(k)fluoranthene	14.73	252	107416m	11.24	ng	
89) Benzo(a)pyrene	15.03	252	226963m	22.14	ng	
90) Dibenzo(a,h)anthracene	16.33	278	34737m	3.65	ng	
91) Benzo(g,h,i)perylene	16.70	276	120036	12.26	ng	97

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

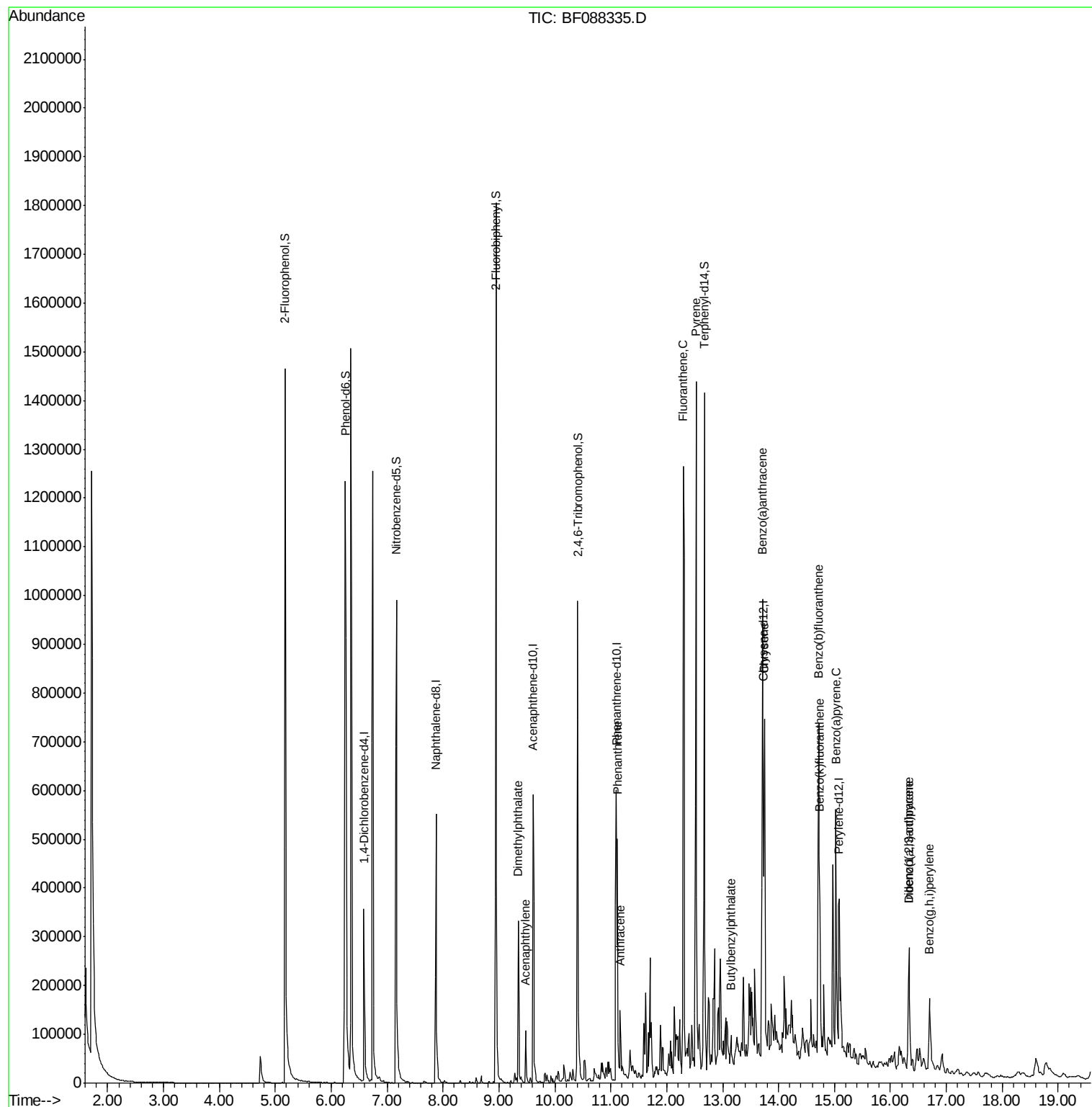
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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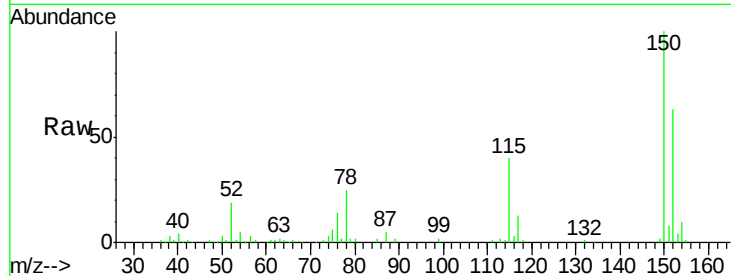




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

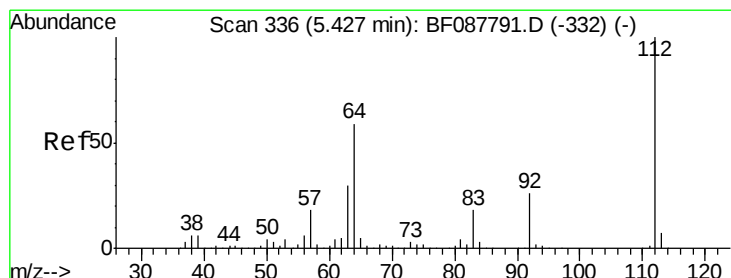
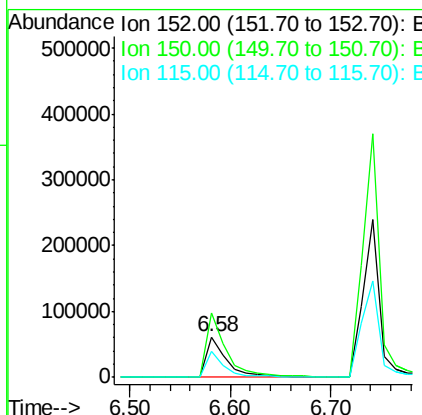
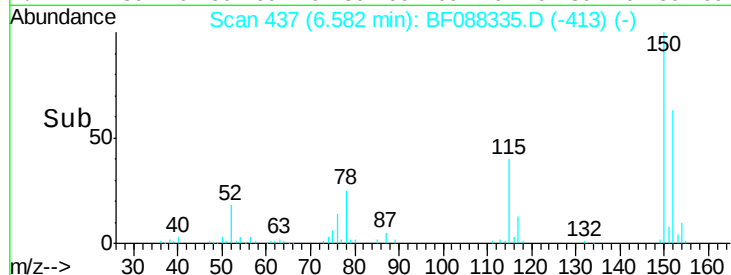
Instrument :
BNA_F
ClientSampleId :
PM-STA-1375(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.6
115	63.0	39.6	59.4

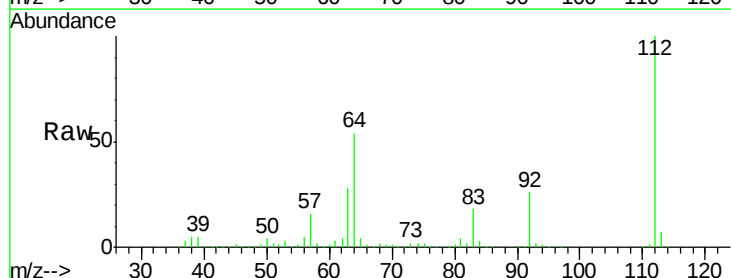
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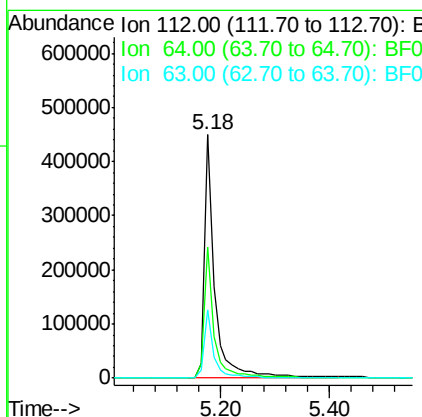
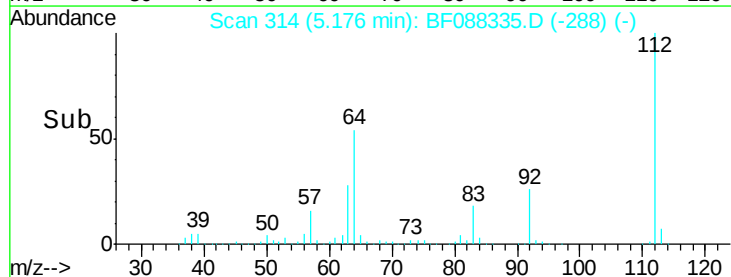


#5

2-Fluorophenol
Concen: 116.93 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.00 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56



Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.2	63.2
63	28.1	21.8	32.8





#7

Phenol-d6

Concen: 129.80 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Instrument :

BNA_F

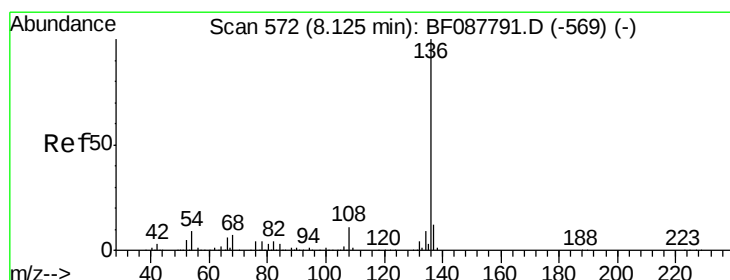
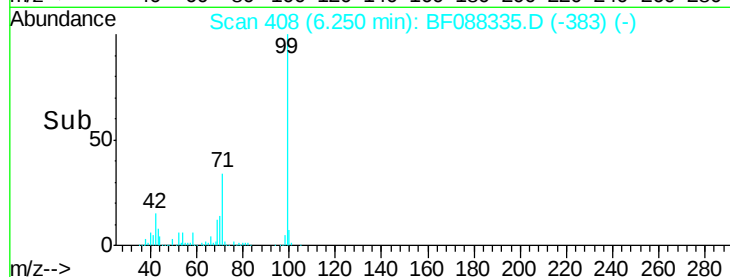
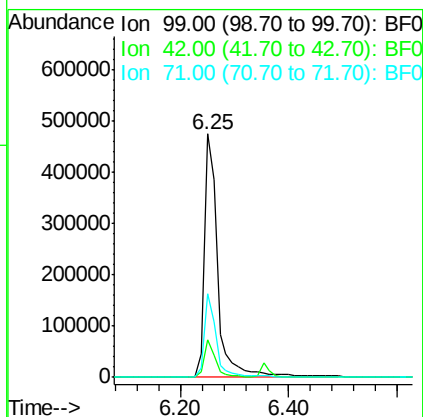
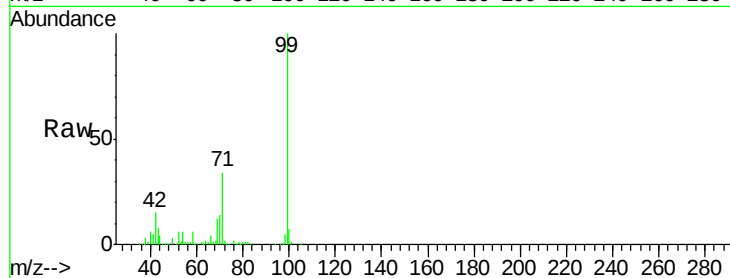
ClientSampleId :

PM-STA-1375(0-4)

Tgt Ion:	99	Resp:	804894
Ion Ratio	Lower	Upper	
99	100		
42	15.2	12.2	18.2
71	34.1	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

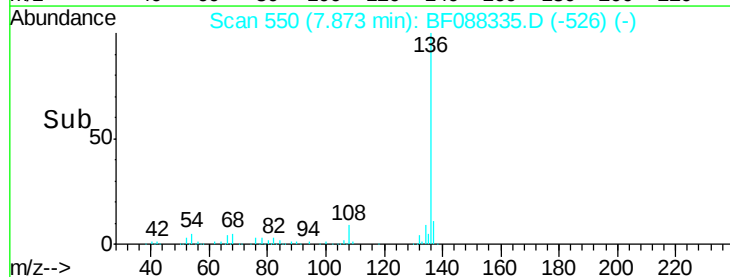
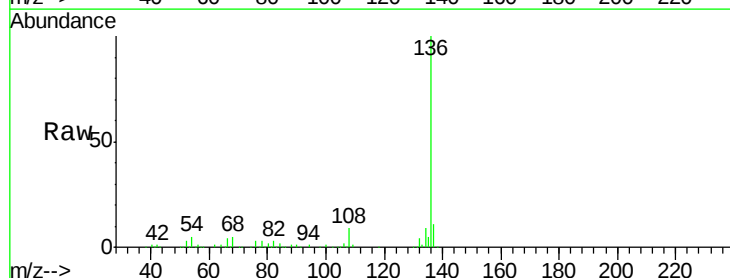
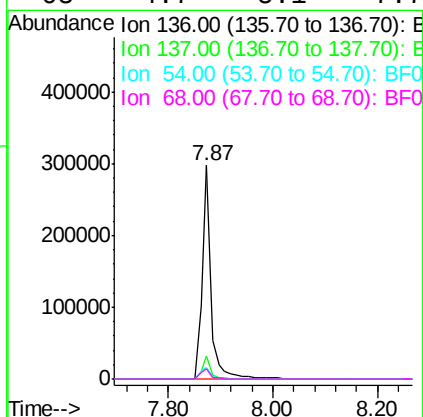
RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088335.D

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Tgt Ion:	136	Resp:	352319
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.4	6.6	10.0#
68	4.7	5.1	7.7#





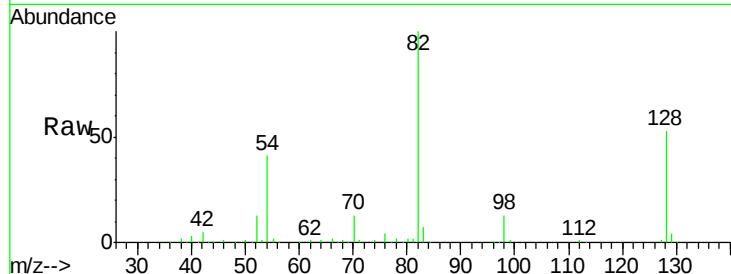
#23
 Nitrobenzene-d5
 Concen: 86.46 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088335.D
 Acq: 24 Jun 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1375(0-4)

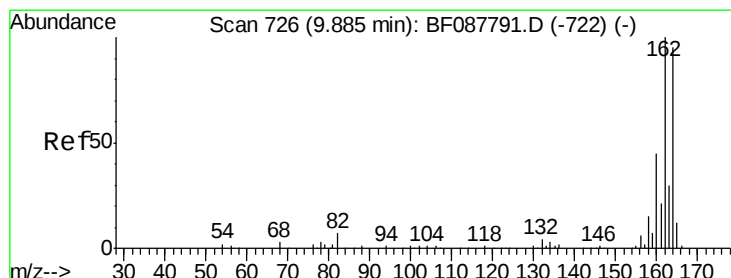
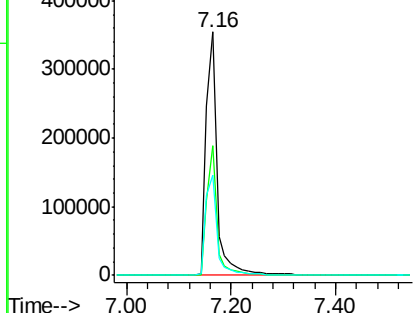
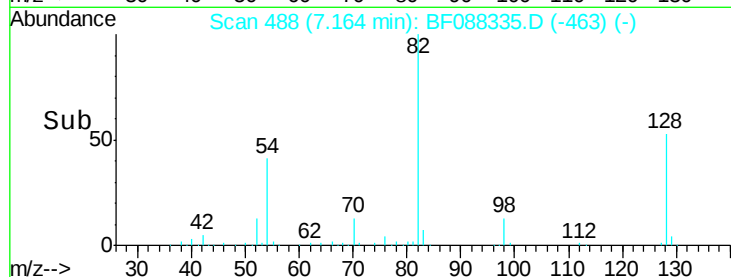
Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.4	35.9	53.9
54	41.0	40.9	61.3

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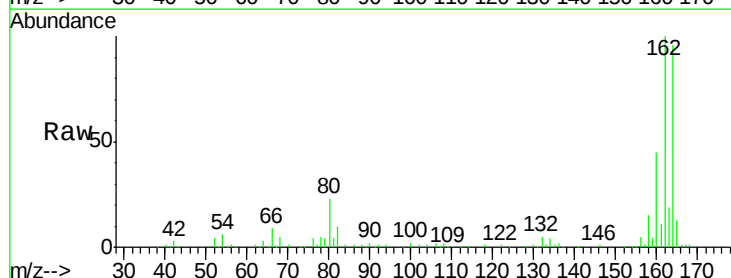


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

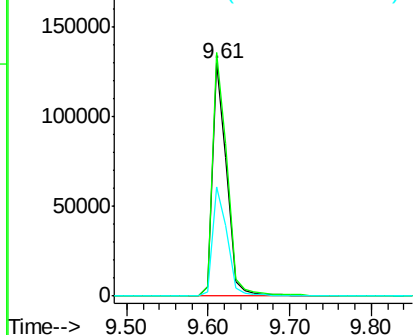
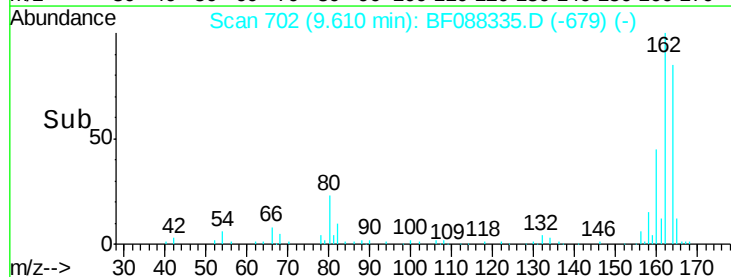


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088335.D
 Acq: 24 Jun 2016 16:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	85.4	128.2
160	46.9	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





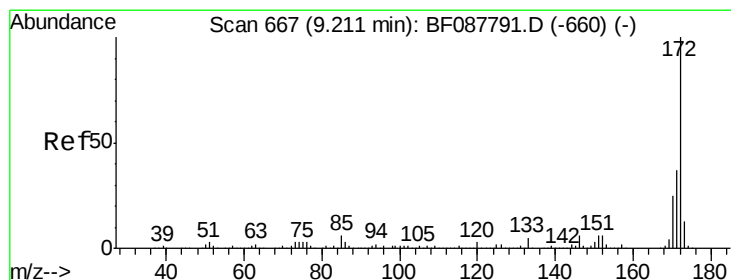
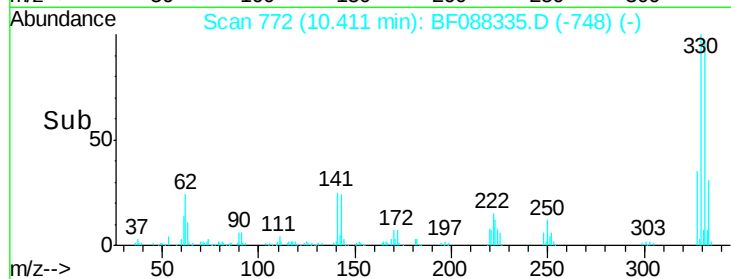
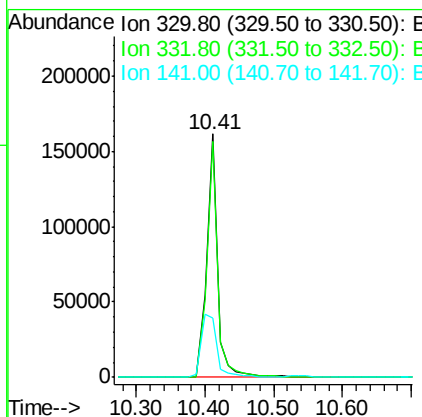
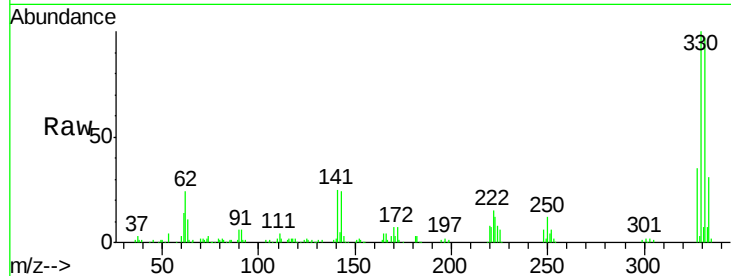
#41
 2,4,6-Tribromophenol
 Concen: 107.70 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088335.D
 Acq: 24 Jun 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1375(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.3	0.0	0.0#
141	37.2	0.0	0.0#

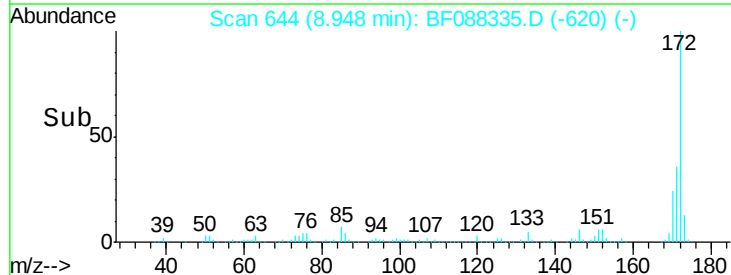
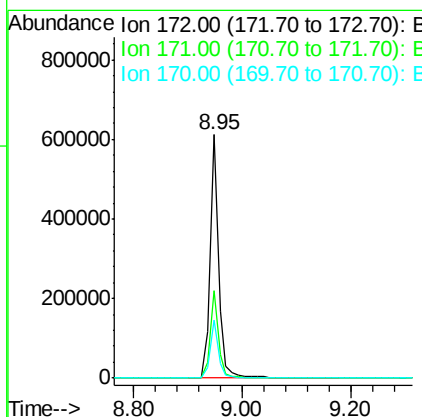
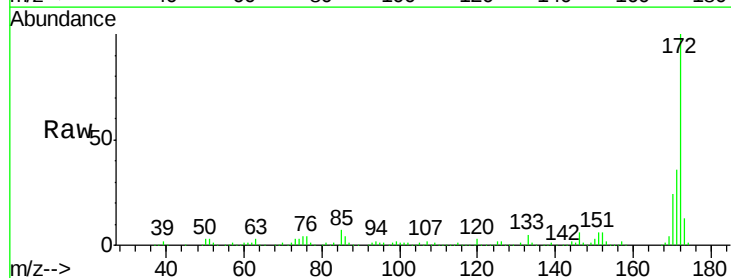
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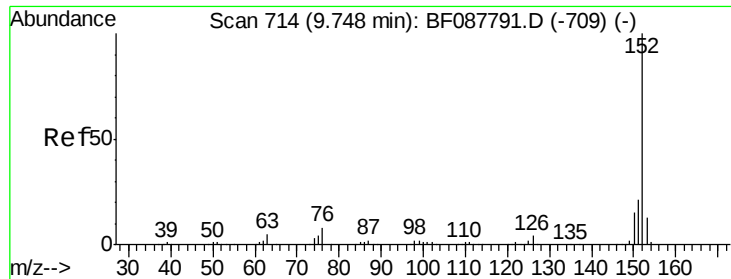
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#44
 2-Fluorobiphenyl
 Concen: 65.25 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088335.D
 Acq: 24 Jun 2016 16:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.1	28.6	43.0
170	23.9	19.2	28.8





#48

Acenaphthylene

Concen: 4.53 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF088335.D

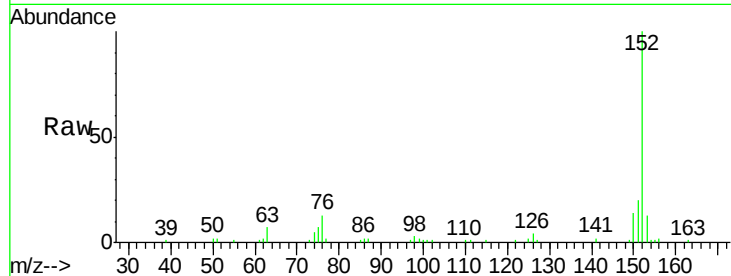
Acq: 24 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

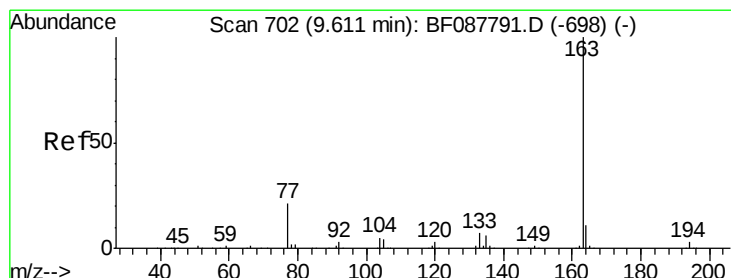
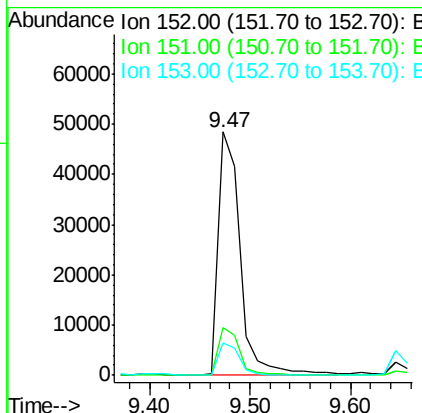
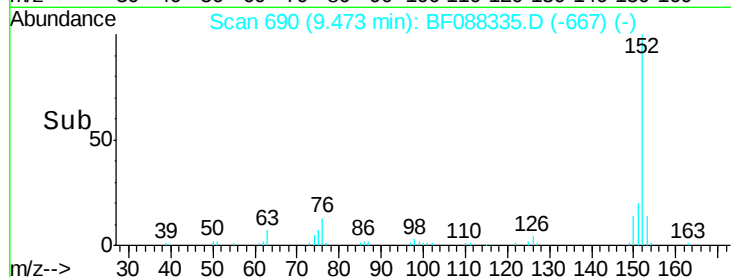
PM-STA-1375(0-4)



Tgt Ion:	152	Resp:	73623
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.2	24.4
153	13.5	11.0	16.6

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#49

Dimethylphthalate

Concen: 13.64 ng

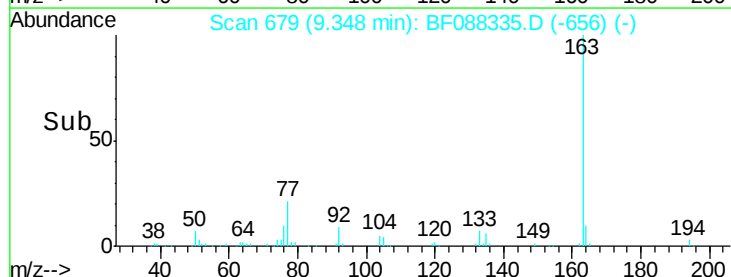
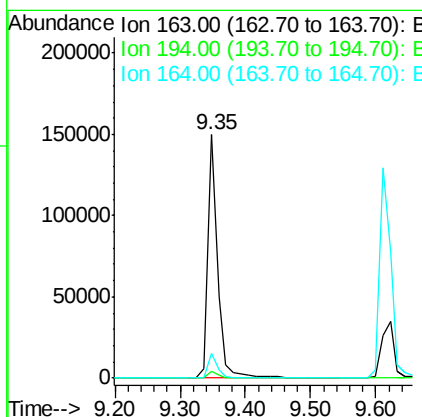
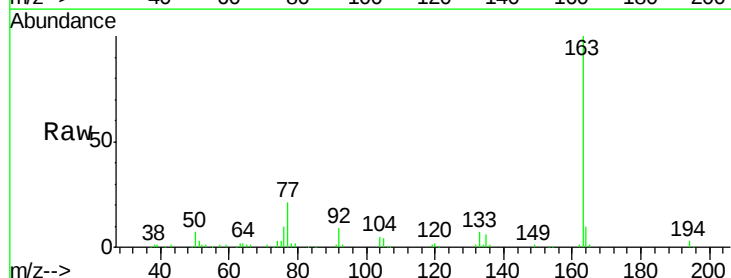
RT: 9.35 min Scan# 679

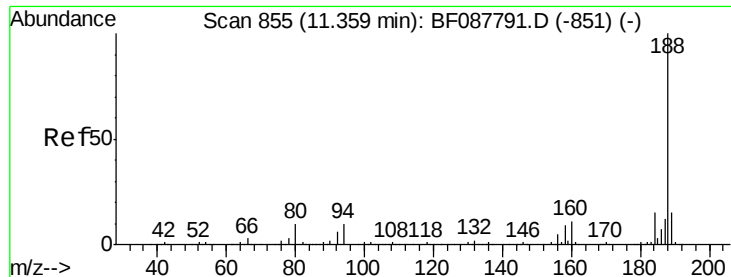
Delta R.T. -0.03 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Tgt Ion:	163	Resp:	156222
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.8	4.2
164	10.3	8.3	12.5





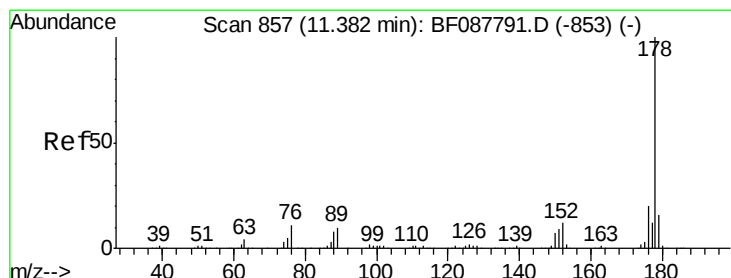
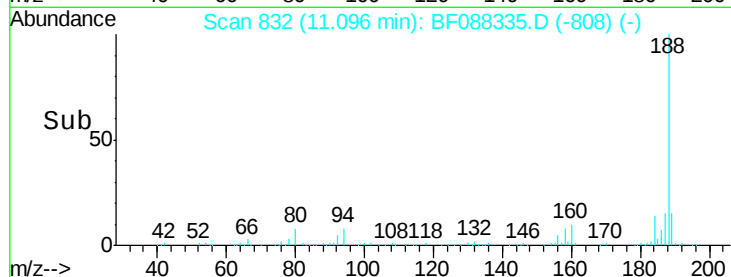
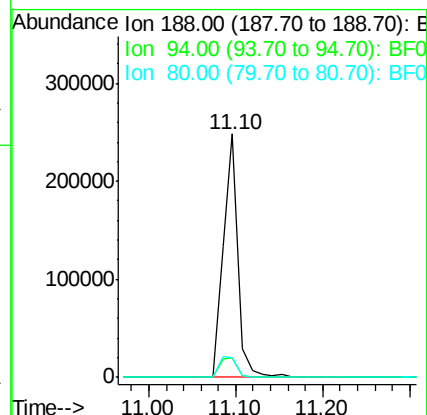
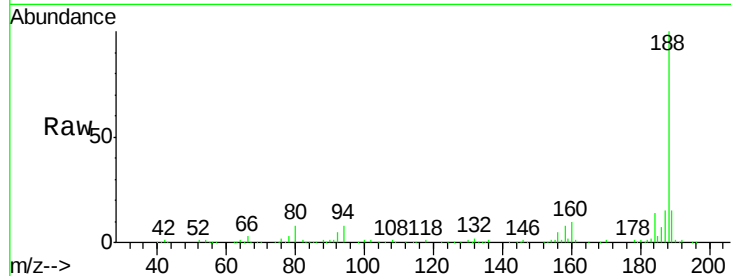
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	9.0	13.6#
80	7.9	10.0	15.0#

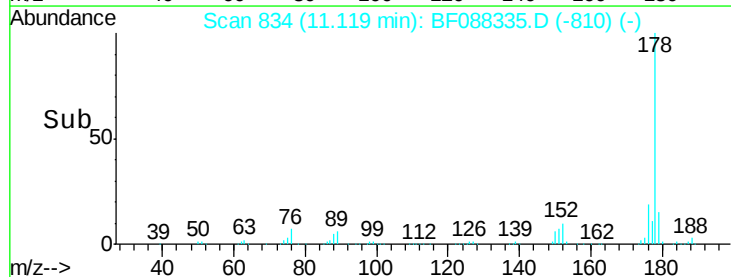
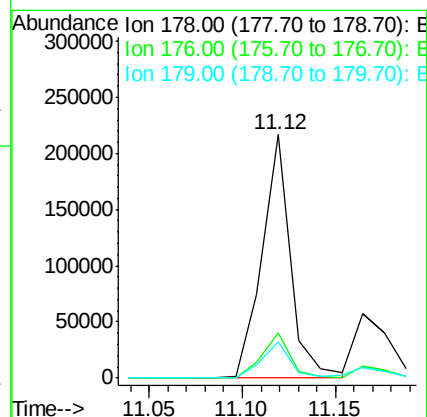
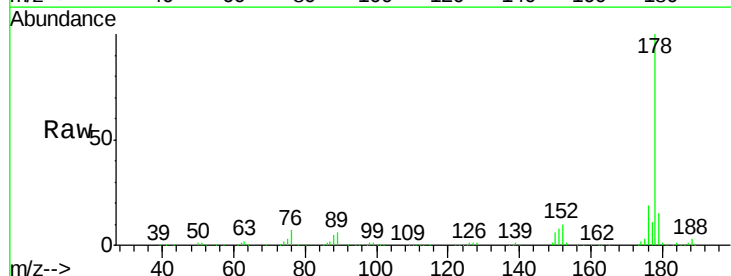
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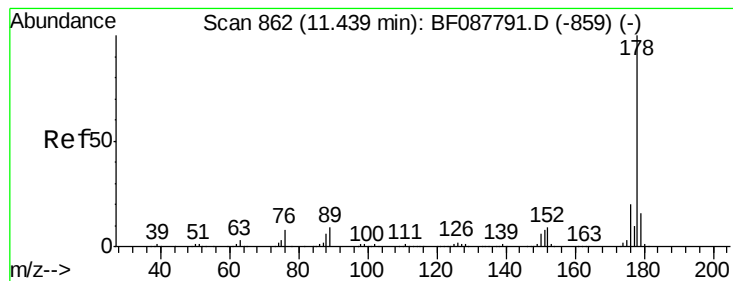
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#70
Phenanthrene
Concen: 14.98 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	15.8	23.6
179	15.0	13.0	19.4





#71

Anthracene

Concen: 5.17 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF088335.D

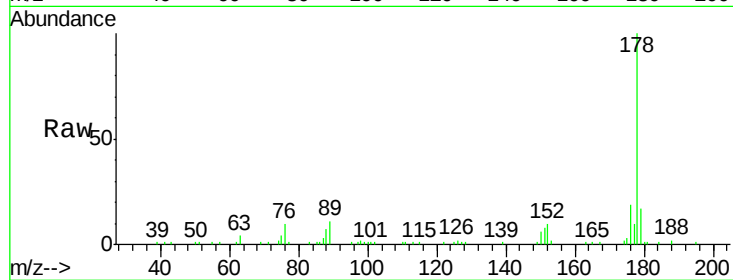
Acq: 24 Jun 2016 16:56

Instrument :

BNA_F

ClientSampleId :

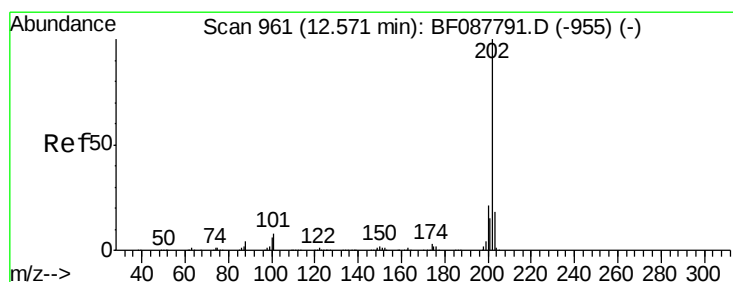
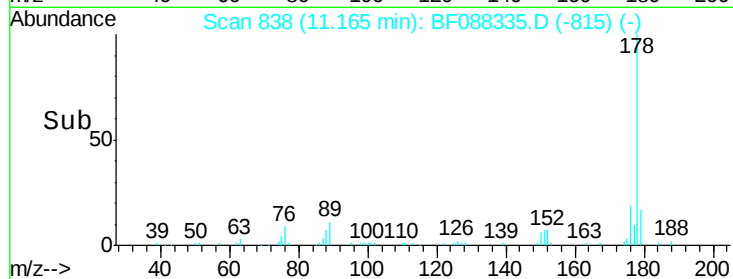
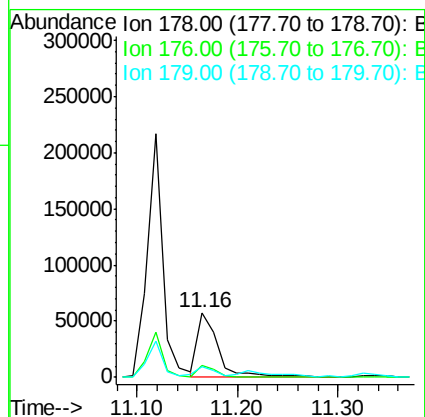
PM-STA-1375(0-4)



Tgt Ion:	178	Resp:	80822
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.6	23.4
179	17.0	12.8	19.2

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#74

Fluoranthene

Concen: 45.48 ng

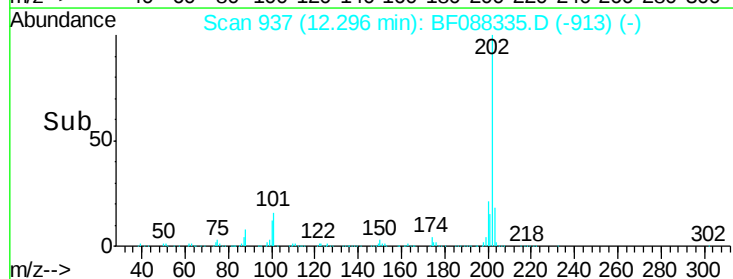
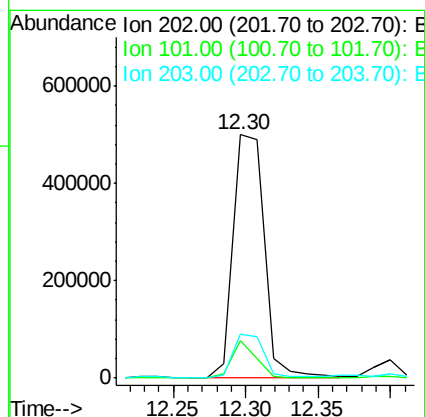
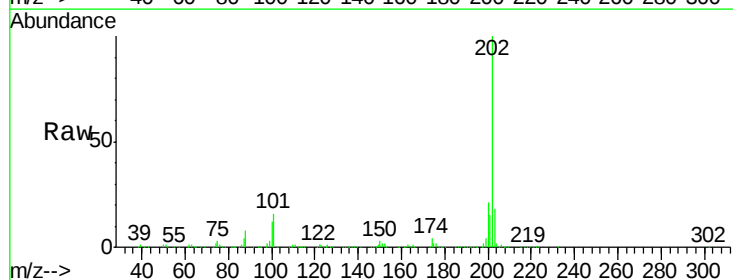
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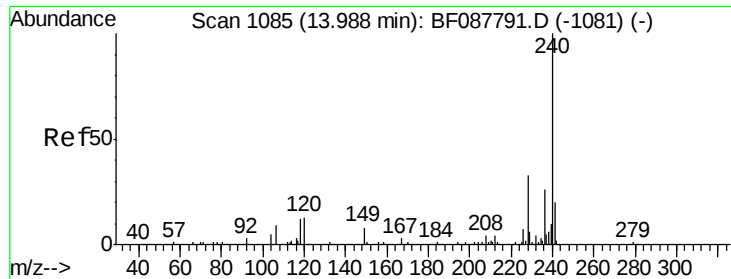
Delta R.T. -0.02 min

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Tgt Ion:	202	Resp:	743714
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	33.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Instrument :

BNA_F

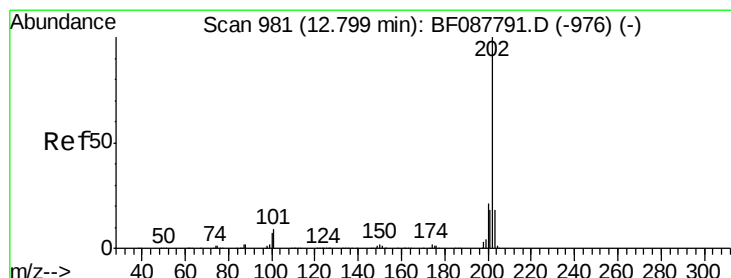
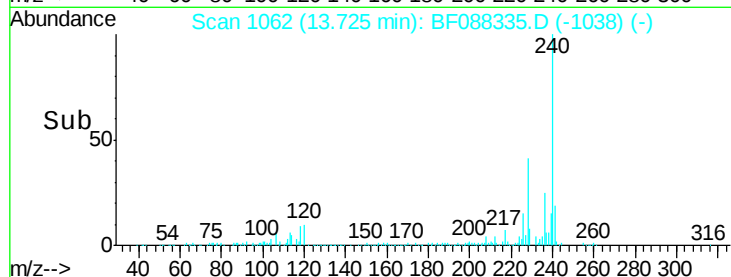
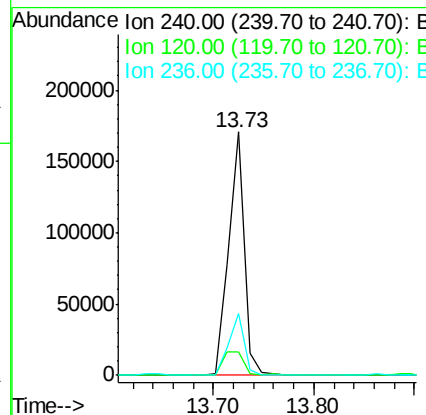
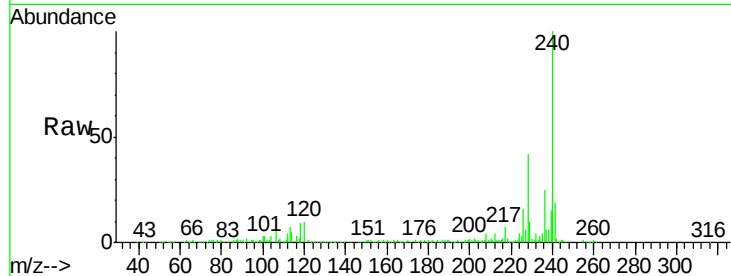
ClientSampleId :

PM-STA-1375(0-4)

Tgt Ion:	240	Resp:	185669
Ion Ratio	Lower	Upper	
240	100		
120	9.7	6.8	10.2
236	25.2	20.2	30.2

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#77

Pyrene

Concen: 45.02 ng

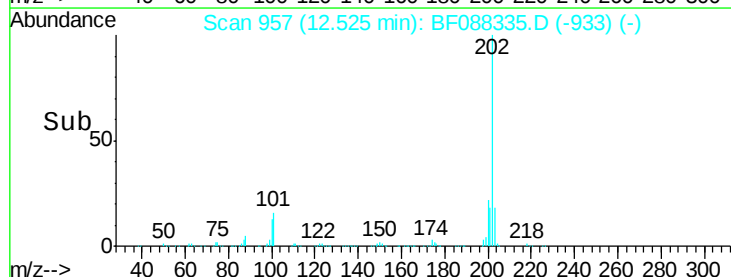
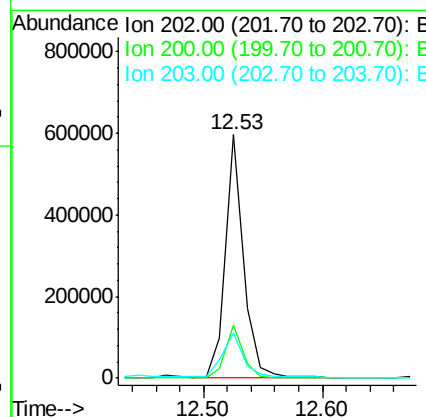
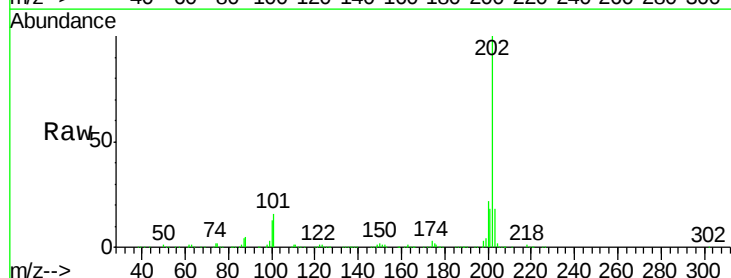
RT: 12.53 min Scan# 957

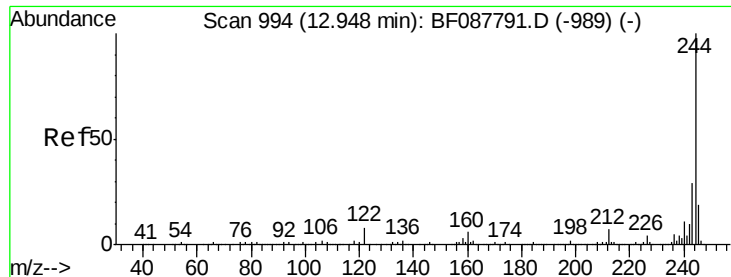
Delta R.T. -0.02 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Tgt Ion:	202	Resp:	620255
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.4	14.5	21.7





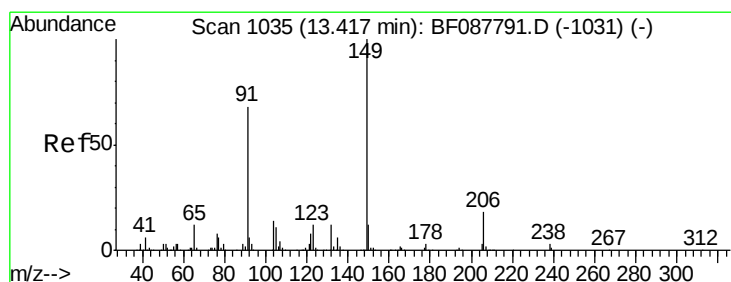
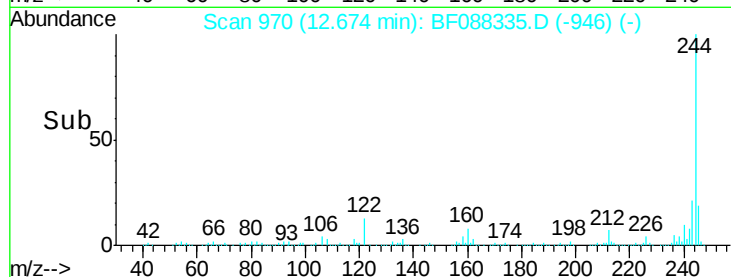
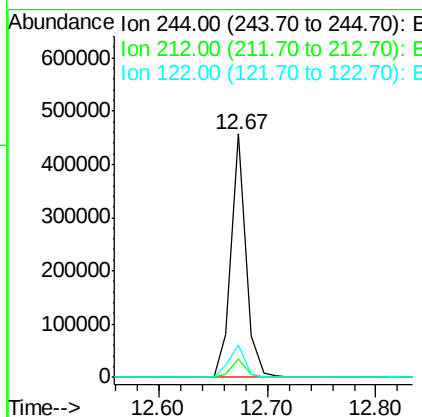
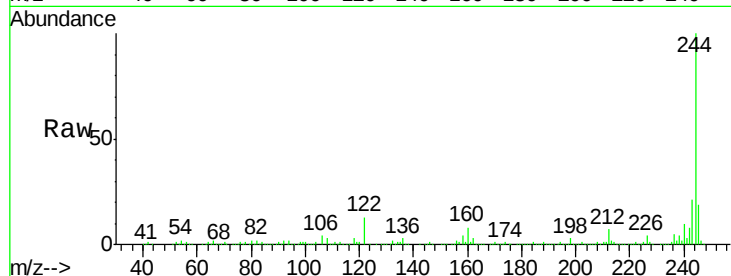
#78
 Terphenyl-d14
 Concen: 52.77 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088335.D
 Acq: 24 Jun 2016 16:56

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1375(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	6.0	9.0	
122	13.2	11.2	16.8	

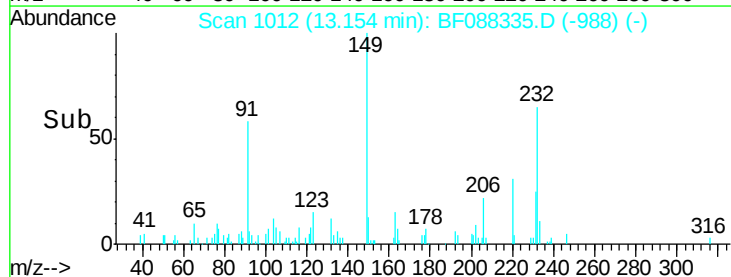
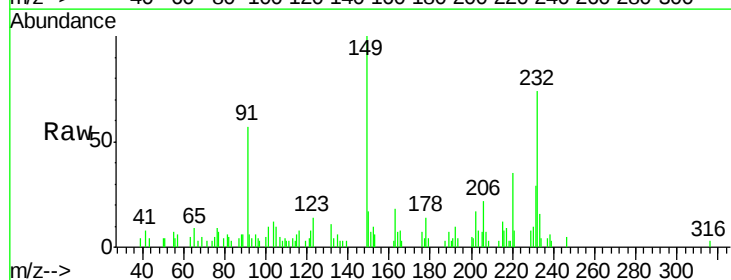
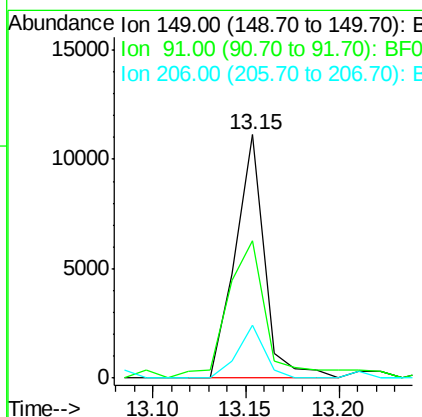
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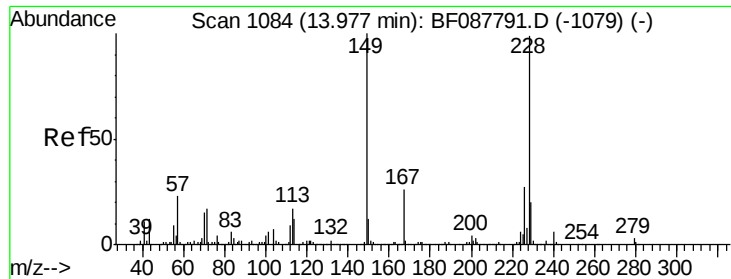
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#79
 Butylbenzylphthalate
 Concen: 2.00 ng
 RT: 13.15 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: BF088335.D
 Acq: 24 Jun 2016 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	56.5	48.0	72.0	
206	21.6	16.0	24.0	





#80

Benzo(a)anthracene

Concen: 29.81 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.02 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Instrument :

BNA_F

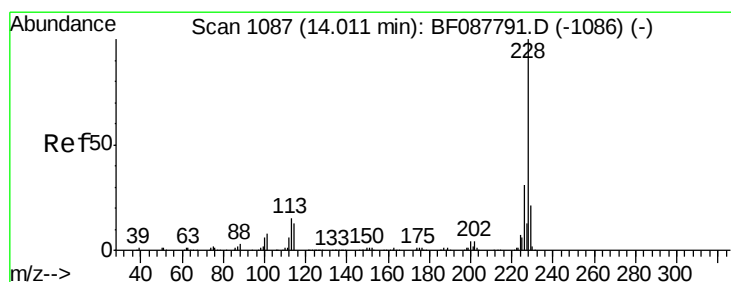
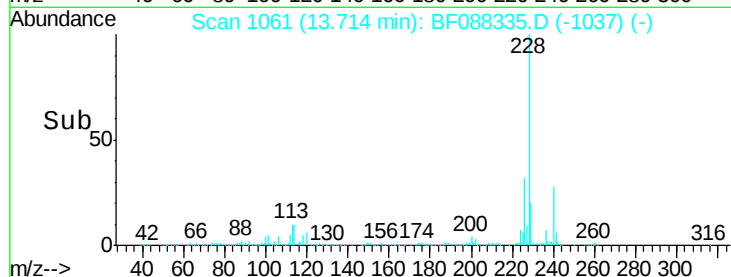
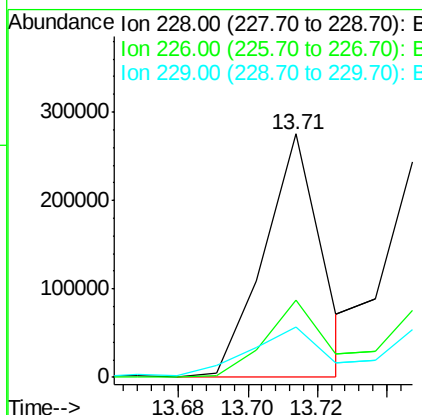
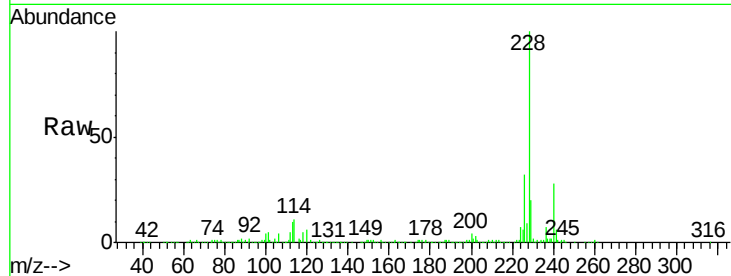
ClientSampleId :

PM-STA-1375(0-4)

Tgt Ion:	228	Resp:	315363
Ion Ratio	Lower	Upper	
228	100		
226	31.6	22.3	33.5
229	20.5	16.0	24.0

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#82

Chrysene

Concen: 27.64 ng m

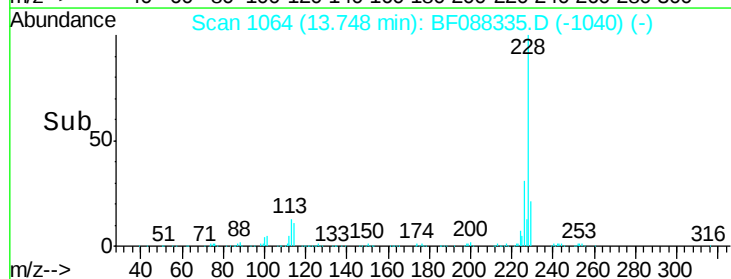
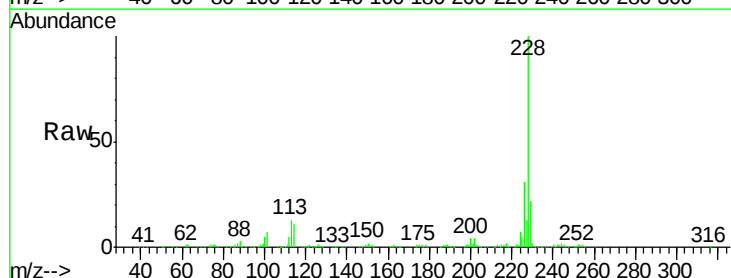
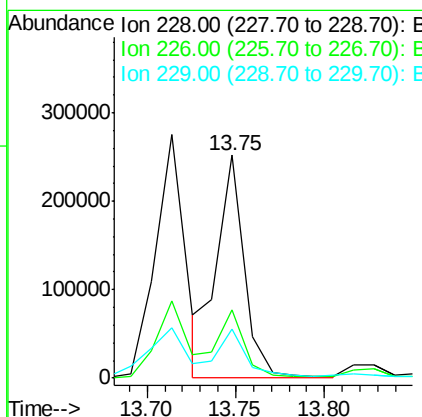
RT: 13.75 min Scan# 1064

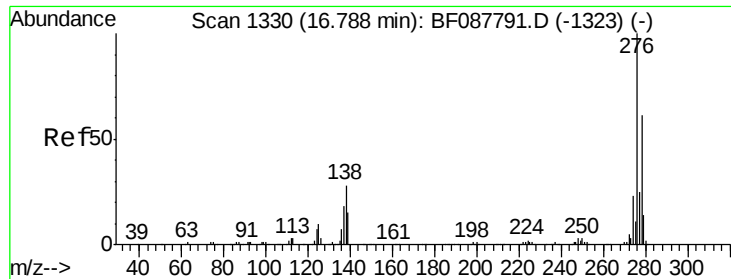
Delta R.T. -0.02 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Tgt Ion:	228	Resp:	275084
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.4	38.2
229	21.9	16.3	24.5





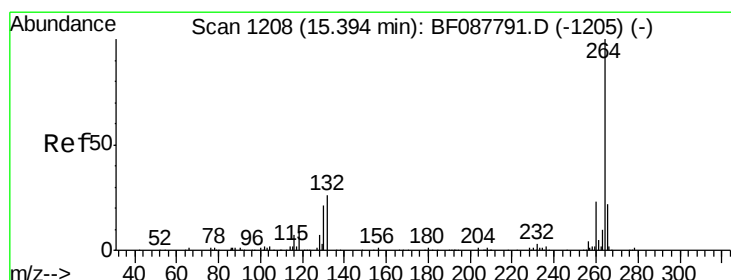
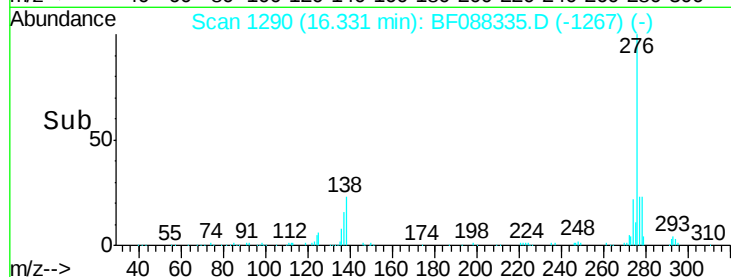
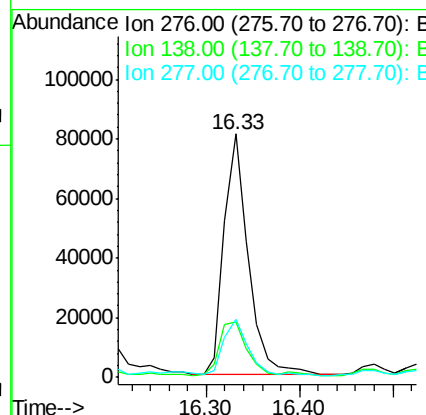
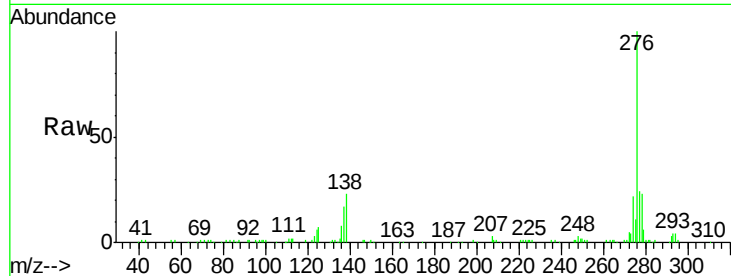
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.93 ng
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

Instrument :
BNA_F
ClientSampleId :
PM-STA-1375(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	24.5	0.0	0.0#
277	23.7	0.0	0.0#

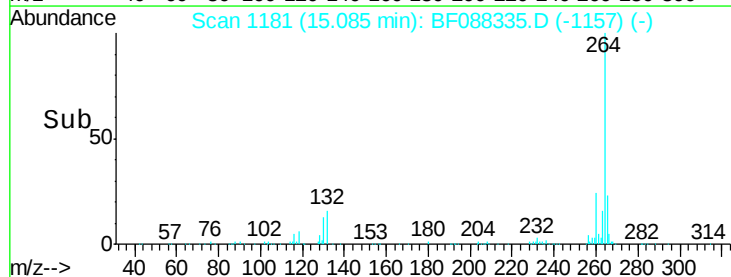
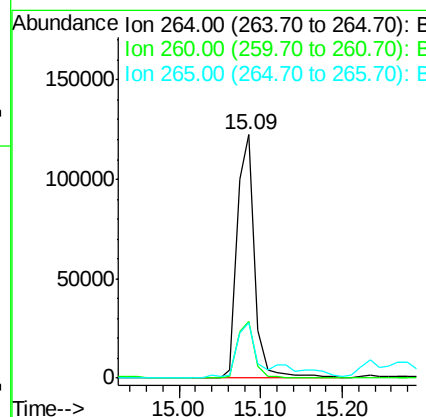
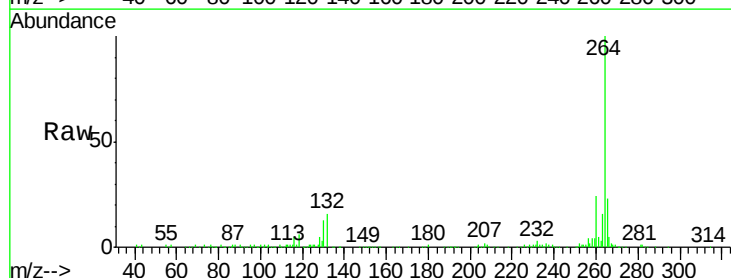
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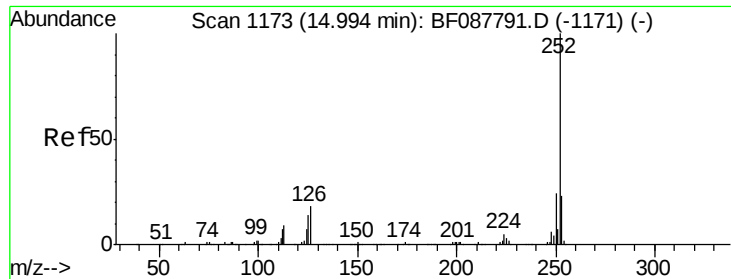
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.5	19.2	28.8
265	22.6	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 30.00 ng m

RT: 14.72 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Instrument :

BNA_F

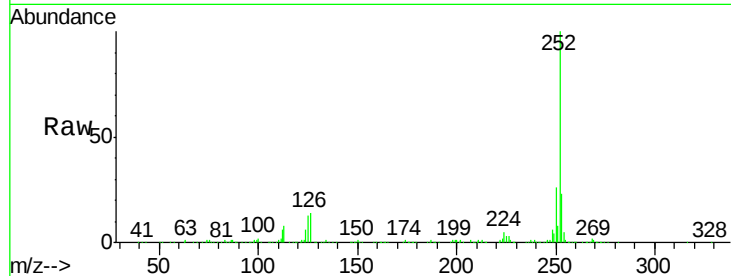
ClientSampleId :

PM-STA-1375(0-4)

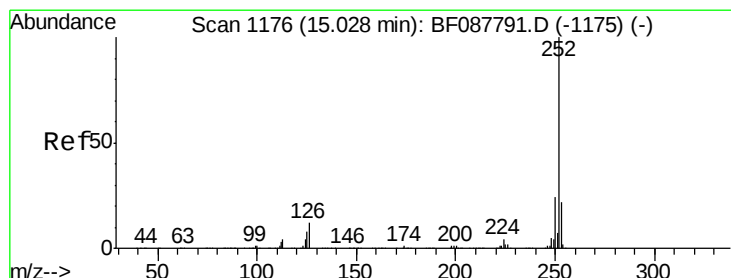
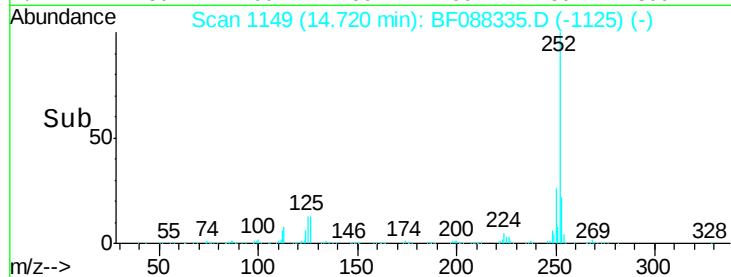
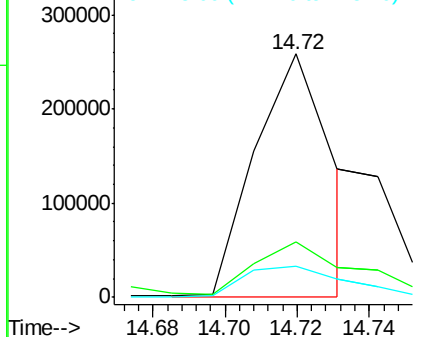
Tgt Ion:	252	Resp:	380117
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	12.9	7.1	10.7#

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



#88

Benzo(k)fluoranthene

Concen: 11.24 ng m

RT: 14.73 min Scan# 1150

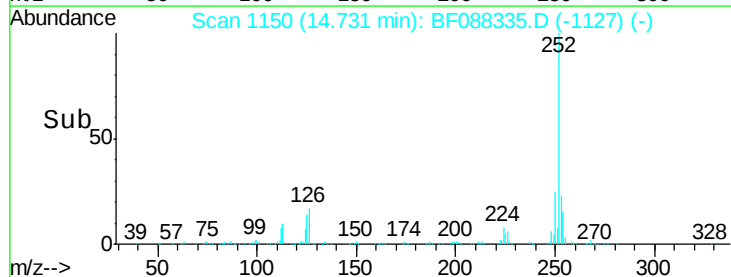
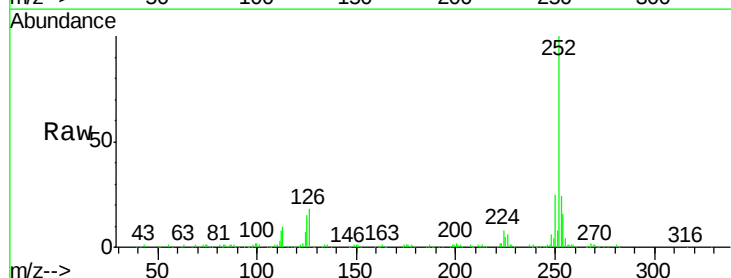
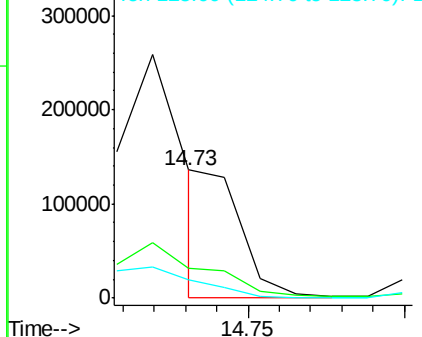
Delta R.T. -0.03 min

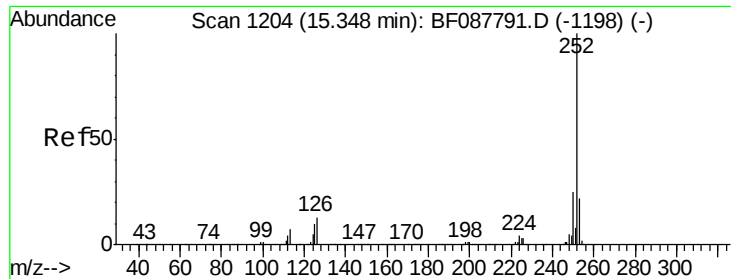
Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Tgt Ion:	252	Resp:	107416
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.0	27.0
125	14.6	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





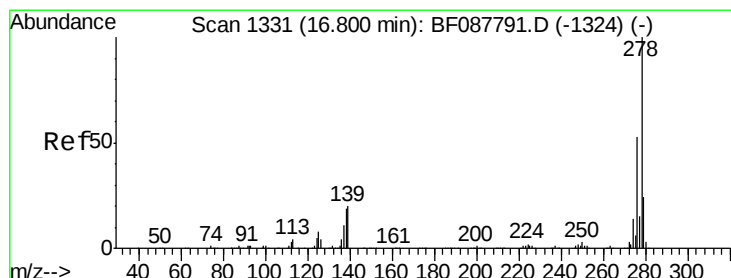
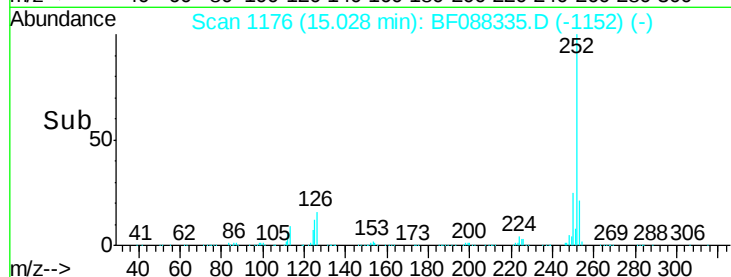
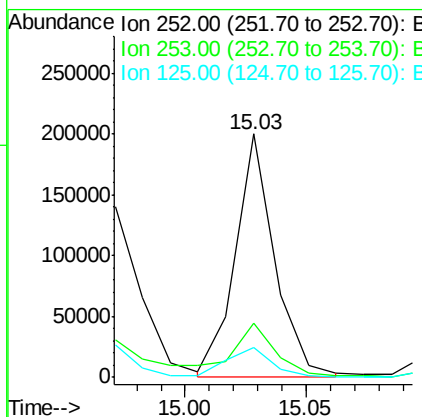
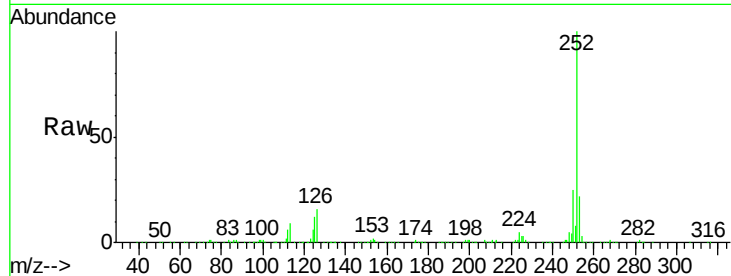
#89
Benzo(a)pyrene
Concen: 22.14 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

Instrument :
BNA_F
ClientSampleId :
PM-STA-1375(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	12.2	12.5	18.7#

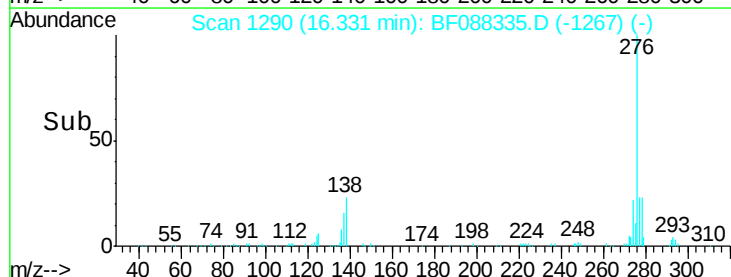
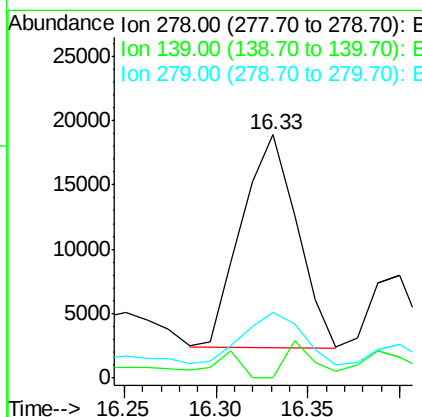
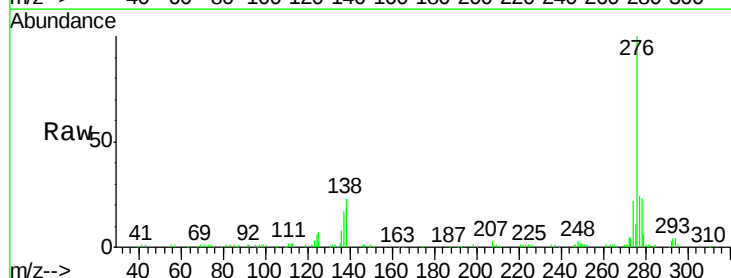
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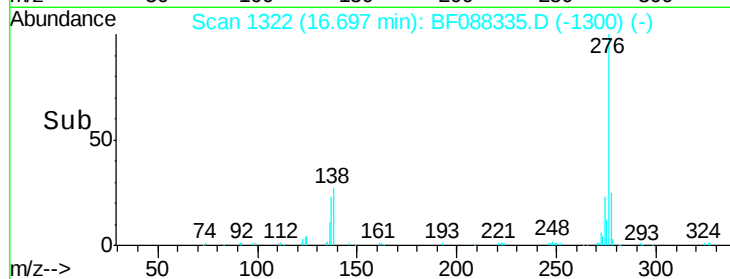
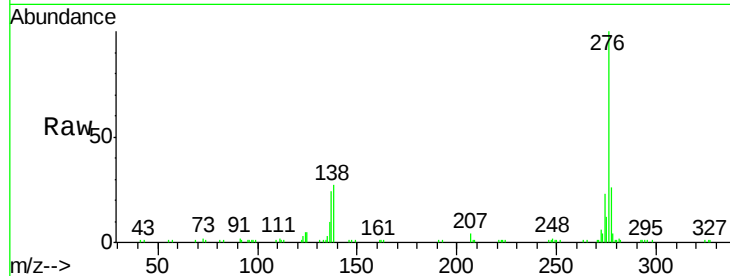
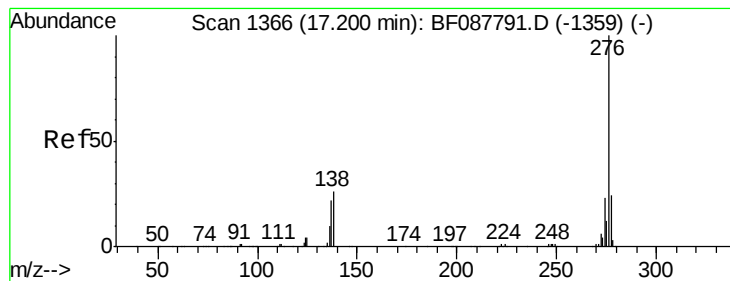
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#90
Dibenzo(a,h)anthracene
Concen: 3.65 ng m
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088335.D
Acq: 24 Jun 2016 16:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	26.9	19.4	29.2





#91

Benzo(g,h,i)perylene

Concen: 12.26 ng

RT: 16.70 min Scan# 1322

Delta R.T. -0.05 min

Lab File: BF088335.D

Acq: 24 Jun 2016 16:56

Tgt Ion:	276	Resp:	120036
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.9	28.3
138	27.4	21.4	32.2

Instrument :

BNA_F

ClientSampleId :

PM-STA-1375(0-4)

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