

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088336.D
 Acq On : 24 Jun 2016 17:26
 Operator : UM/SJ
 Sample : H3598-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)

Manual Integrations
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Quant Time: Jun 25 03:52:47 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	77097	20.00	ng	-0.02
21) Naphthalene-d8	7.87	136	308233	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	141350	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	253592	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	156599	20.00	ng	-0.02
86) Perylene-d12	15.09	264	168099	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	585672	129.87	ng	0.00
7) Phenol-d6	6.25	99	742341	135.82	ng	-0.01
23) Nitrobenzene-d5	7.16	82	476490	90.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	184845	123.85	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	792881	88.34	ng	-0.02
78) Terphenyl-d14	12.67	244	609380	88.55	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.48	152	34264	2.36	ng	100
49) Dimethylphthalate	9.35	163	108696	10.62	ng	99
51) Acenaphthene	9.64	154	64550	7.11	ng	98
54) Dibenzofuran	9.83	168	54205	4.34	ng	97
57) Fluorene	10.16	166	114600	9.79	ng	98
70) Phenanthrene	11.12	178	945713	71.07	ng	100
71) Anthracene	11.16	178	304363	22.67	ng	97
72) Carbazole	11.34	167	90570	7.21	ng	98
74) Fluoranthene	12.31	202	1229245	87.53	ng	100
77) Pyrene	12.54	202	1131176	97.34	ng	100
80) Benzo(a)anthracene	13.71	228	588272	65.92	ng	98
82) Chrysene	13.75	228	366679	43.68	ng	97
85) Indeno(1,2,3-cd)pyrene	16.33	276	267360	34.28	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	552308m	47.14	ng	
88) Benzo(k)fluoranthene	14.74	252	204015m	23.08	ng	
89) Benzo(a)pyrene	15.03	252	410708	43.33	ng	98
90) Dibenzo(a,h)anthracene	16.33	278	71915m	8.17	ng	
91) Benzo(g,h,i)perylene	16.71	276	238023	26.28	ng	97

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

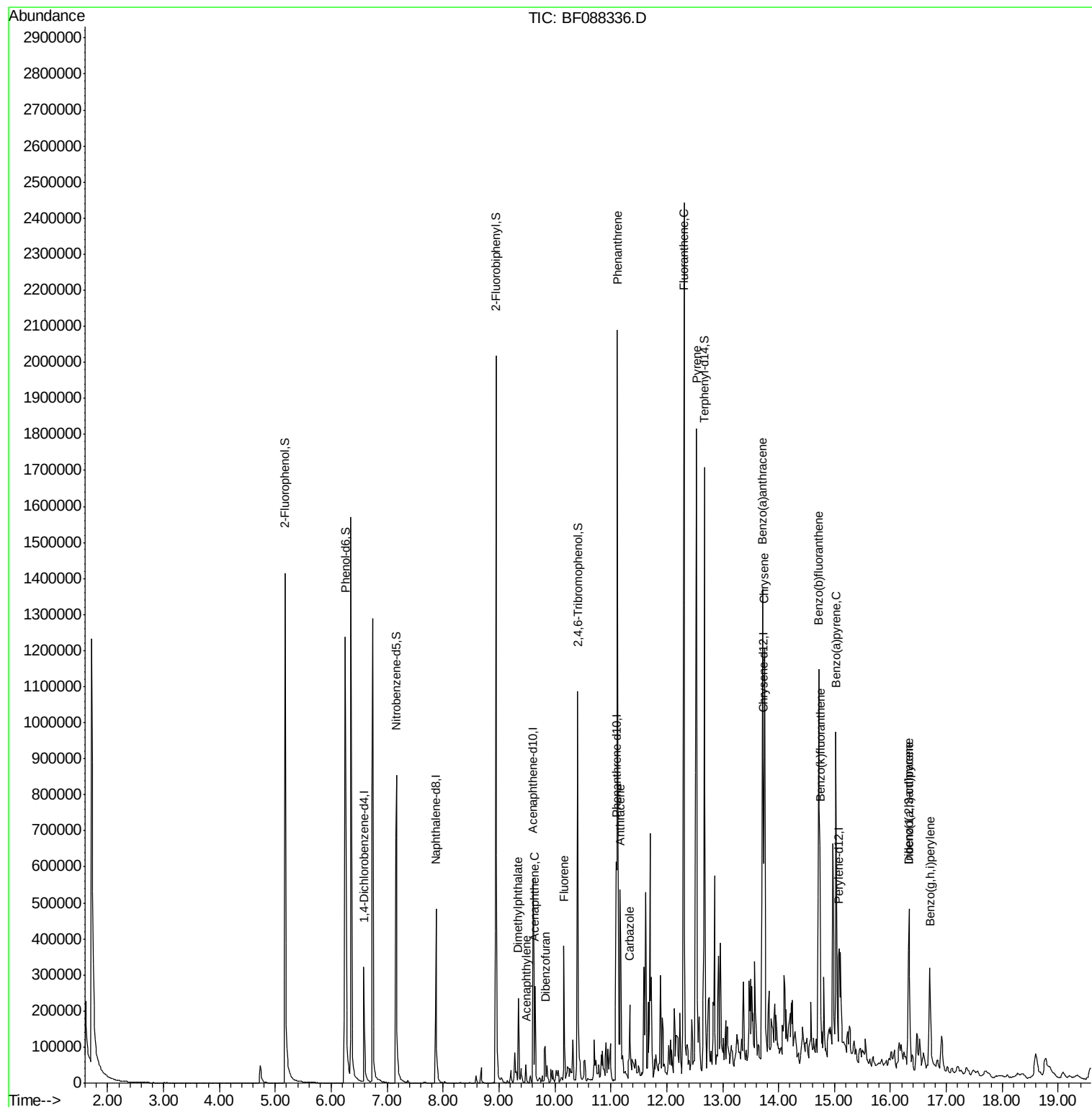
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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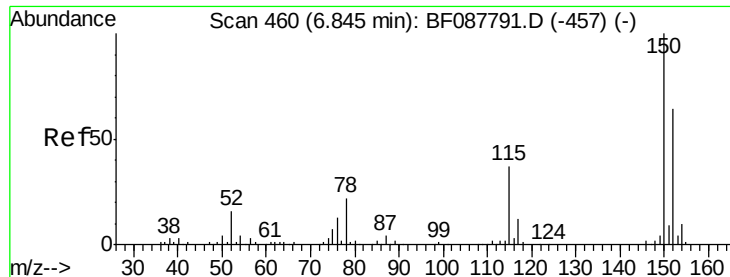
Instrument :
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PM-STA-1388(0-4)

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#1

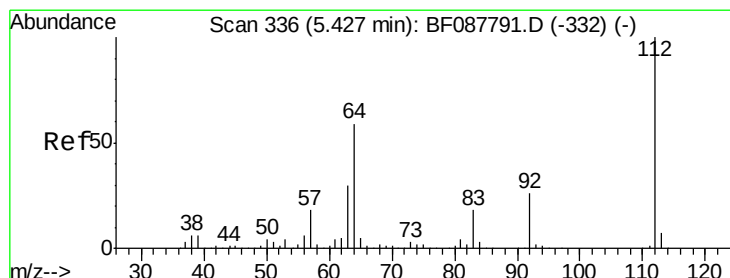
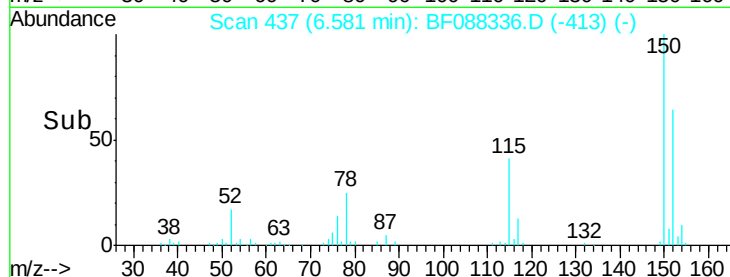
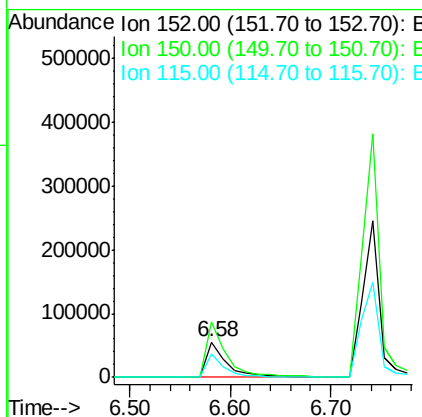
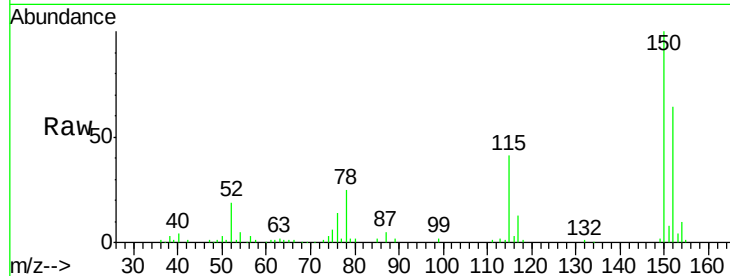
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.8	185.6
115	64.9	39.6	59.4

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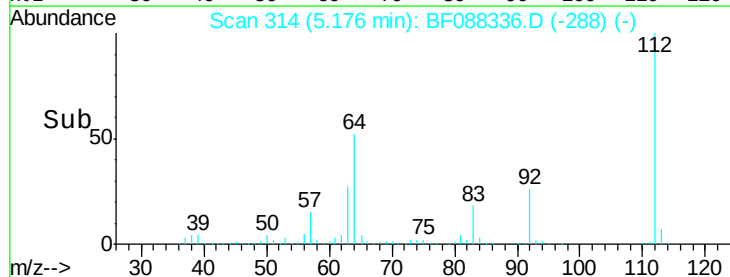
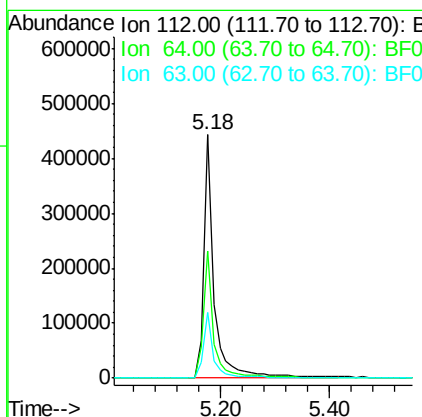
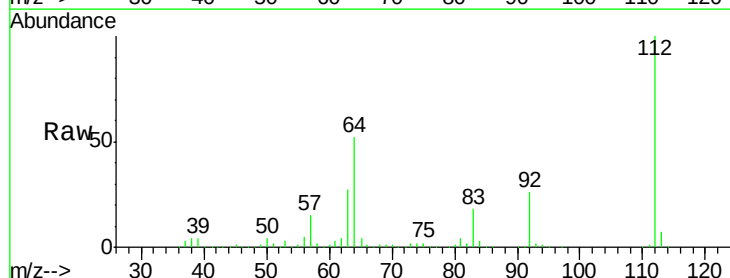
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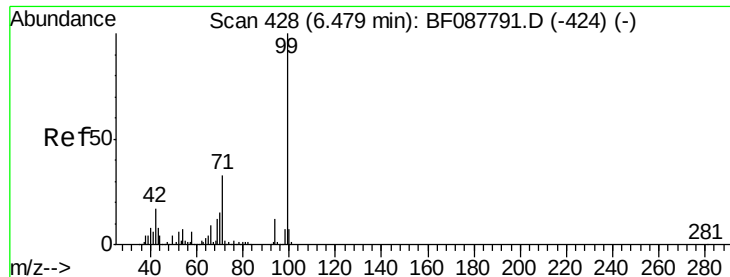


#5

2-Fluorophenol
Concen: 129.87 ng
RT: 5.18 min Scan# 314
Delta R.T. -0.00 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.2	63.2
63	27.1	21.8	32.8





#7

Phenol-d6

Concen: 135.82 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088336.D

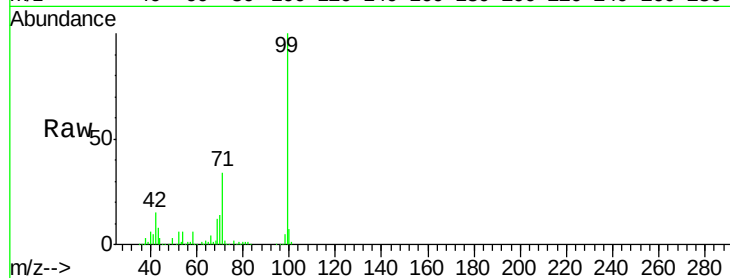
Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

ClientSampleId :

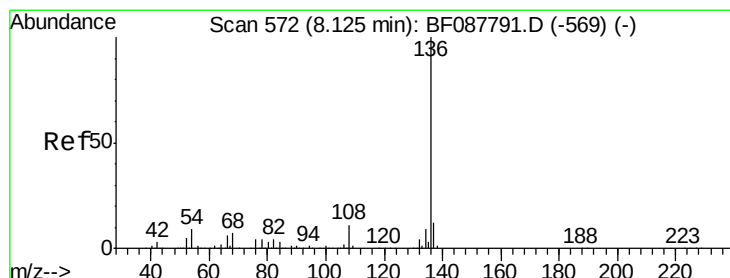
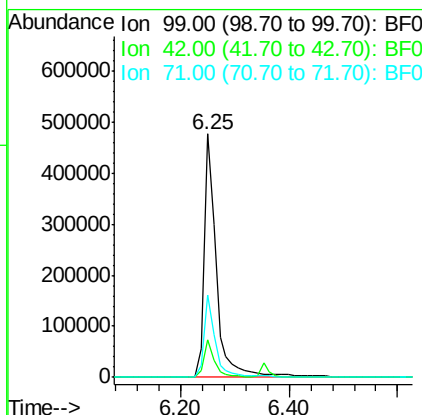
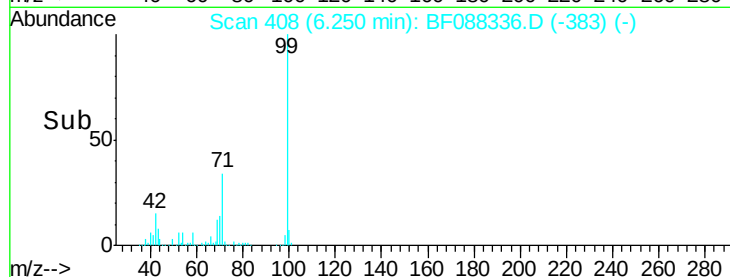
PM-STA-1388(0-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		742341		
42	15.4	12.2	18.2		
71	33.6	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

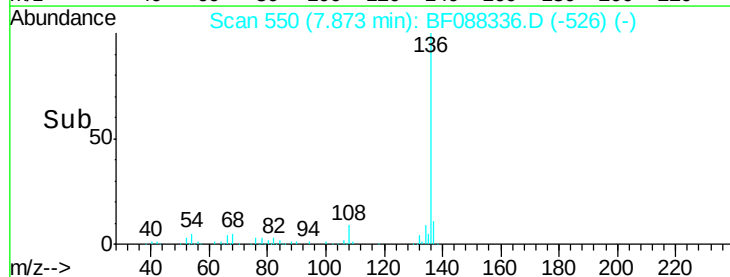
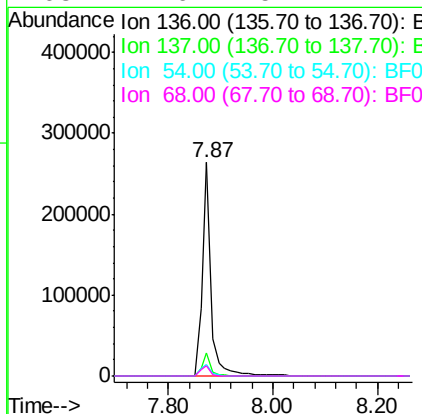
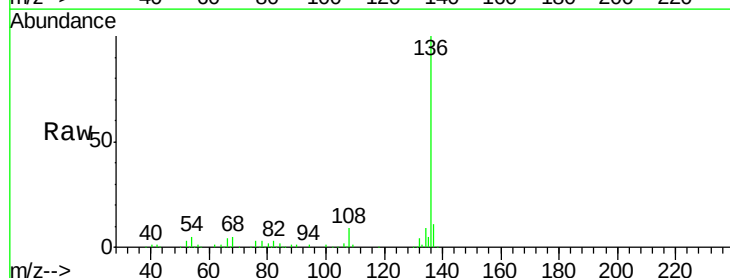
RT: 7.87 min Scan# 550

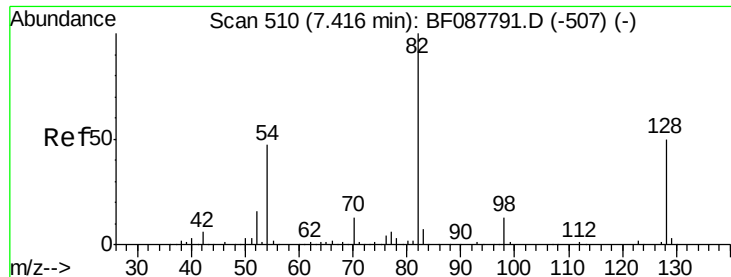
Delta R.T. -0.02 min

Lab File: BF088336.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		308233		
137	10.8	9.1	13.7		
54	5.3	6.6	10.0#		
68	4.6	5.1	7.7#		





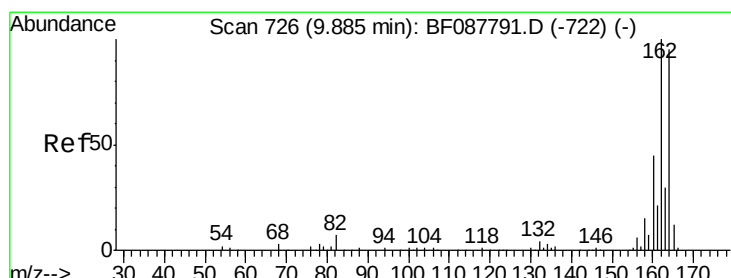
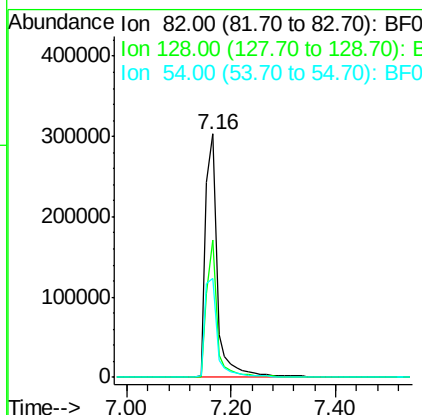
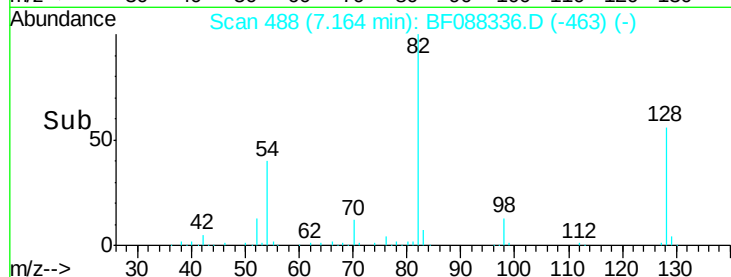
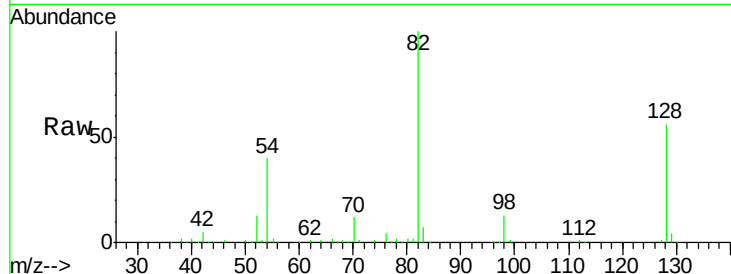
#23
 Nitrobenzene-d5
 Concen: 90.27 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF088336.D
 Acq: 24 Jun 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	56.4	35.9	53.9#
54	40.4	40.9	61.3#

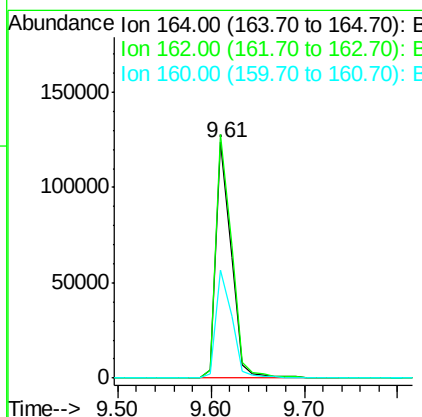
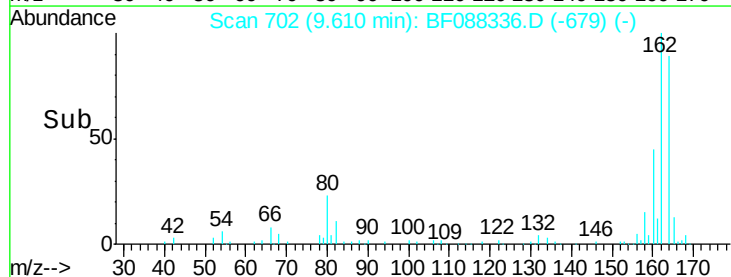
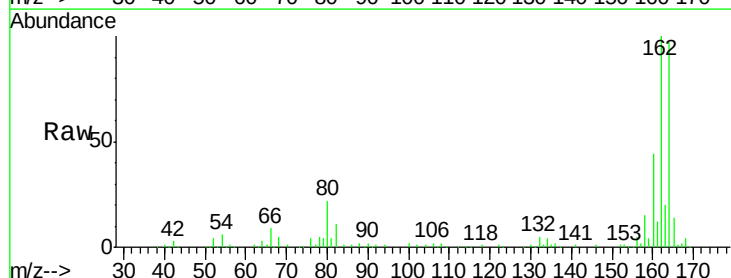
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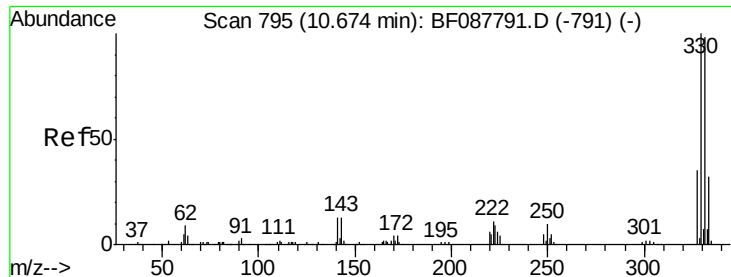
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF088336.D
 Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	85.4	128.2
160	45.8	39.5	59.3





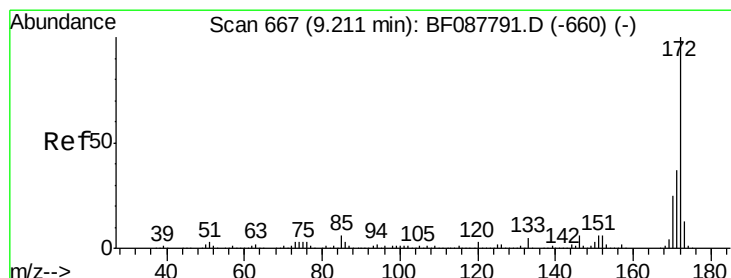
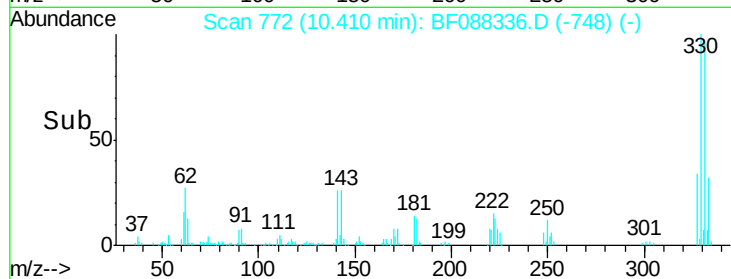
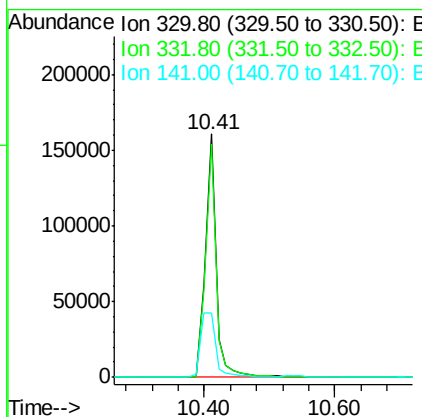
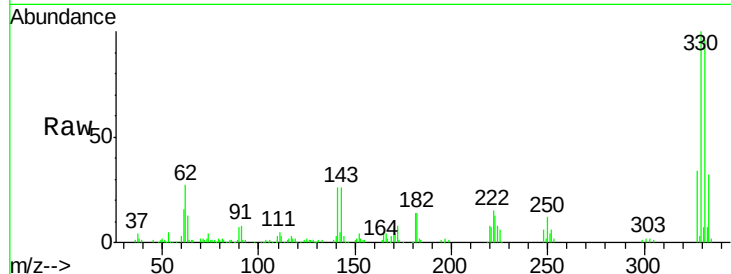
#41
 2,4,6-Tribromophenol
 Concen: 123.85 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.02 min
 Lab File: BF088336.D
 Acq: 24 Jun 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.3	0.0	0.0#
141	37.2	0.0	0.0#

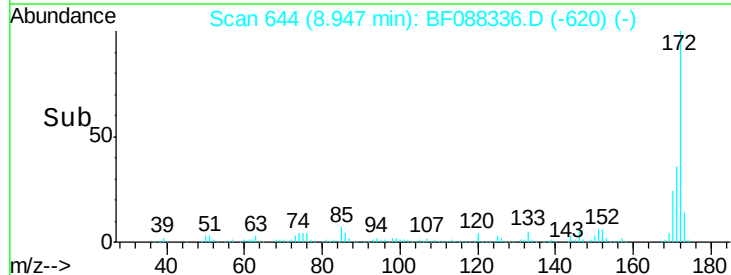
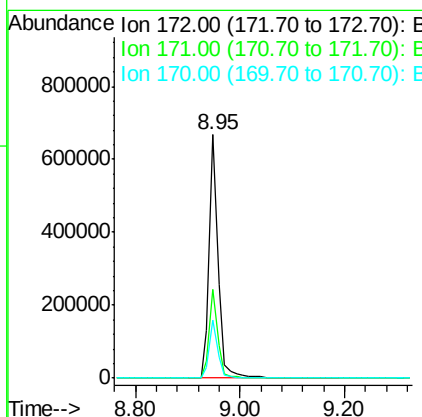
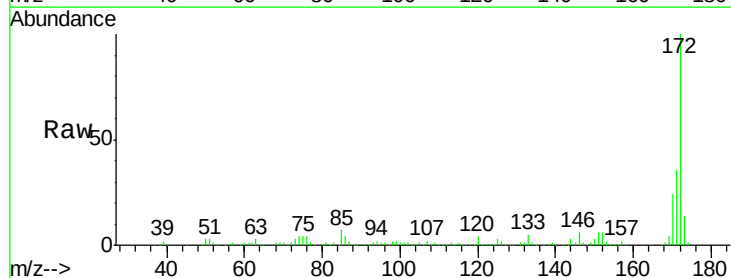
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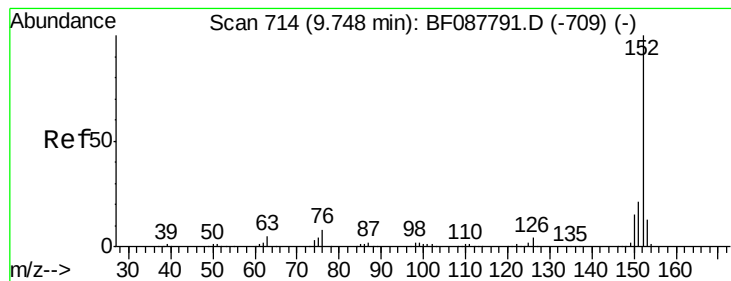
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#44
 2-Fluorobiphenyl
 Concen: 88.34 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF088336.D
 Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.3	28.6	43.0
170	24.0	19.2	28.8





#48

Acenaphthylene

Concen: 2.36 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF088336.D

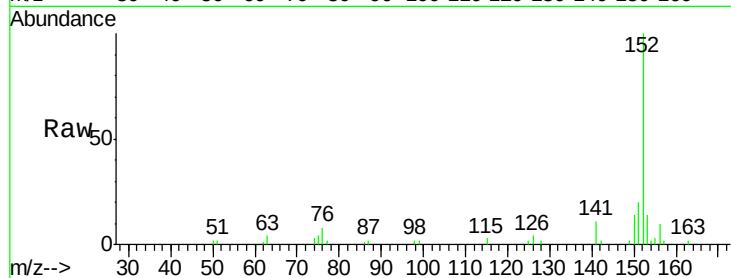
Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

ClientSampleId :

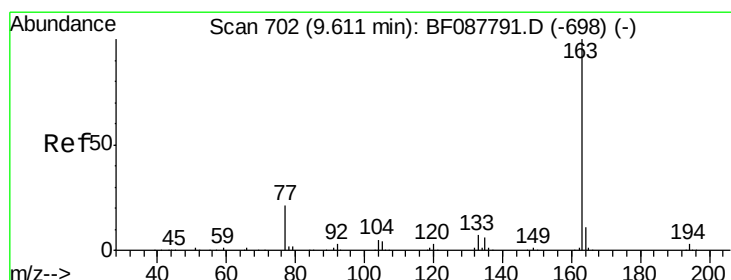
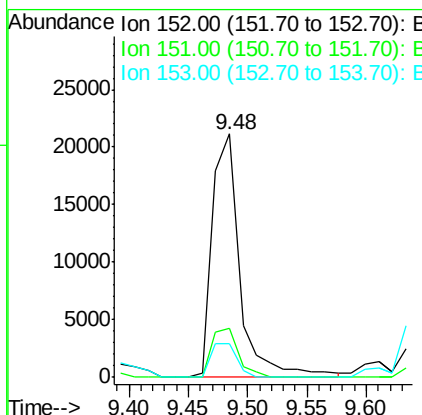
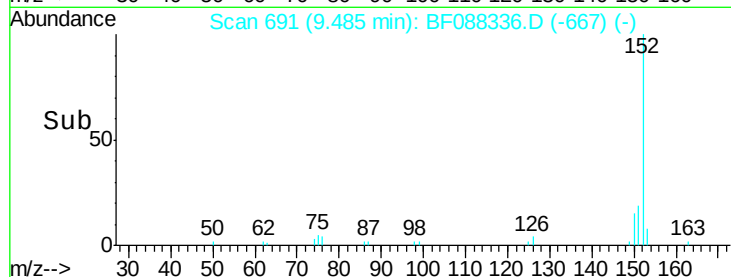
PM-STA-1388(0-4)



Tgt Ion:	152	Resp:	34264
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	13.9	11.0	16.6

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#49

Dimethylphthalate

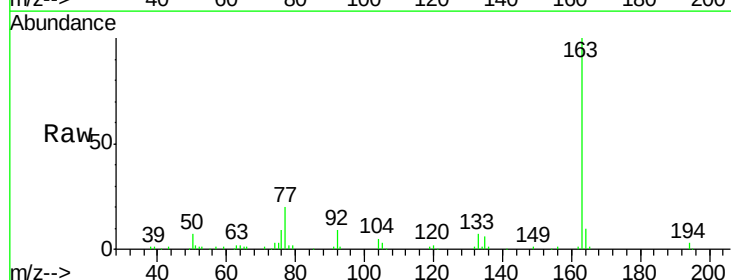
Concen: 10.62 ng

RT: 9.35 min Scan# 679

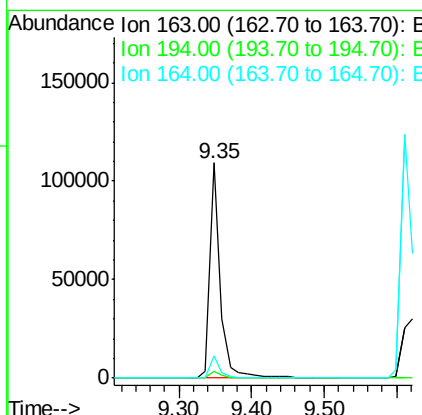
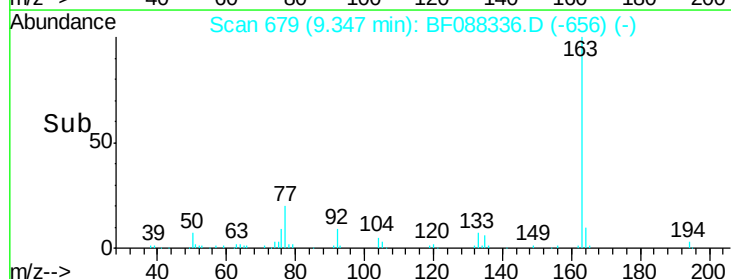
Delta R.T. -0.03 min

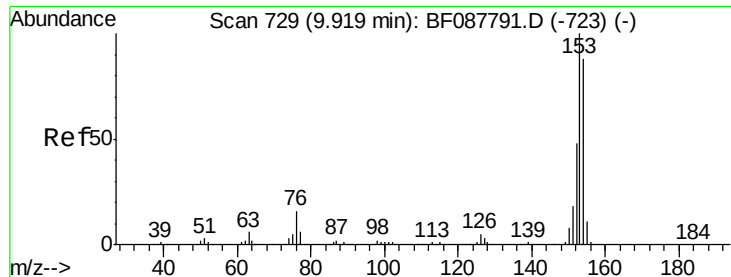
Lab File: BF088336.D

Acq: 24 Jun 2016 17:26



Tgt Ion:	163	Resp:	108696
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.1	8.3	12.5





#51

Acenaphthene

Concen: 7.11 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF088336.D

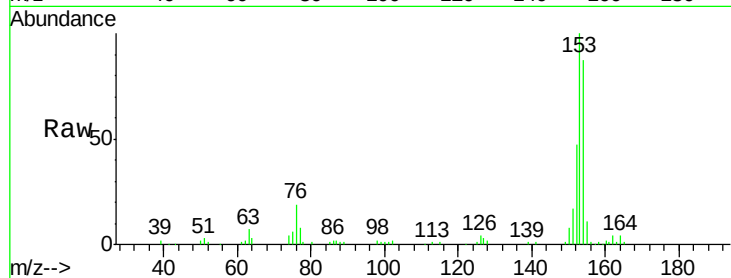
Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

ClientSampleId :

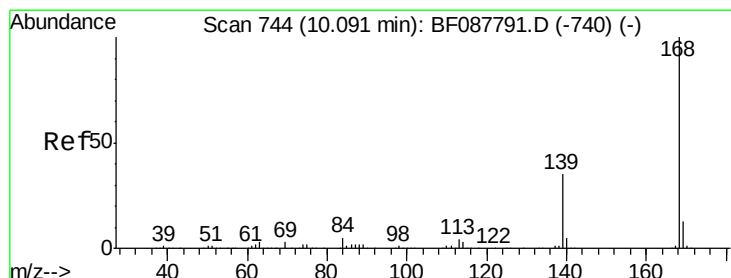
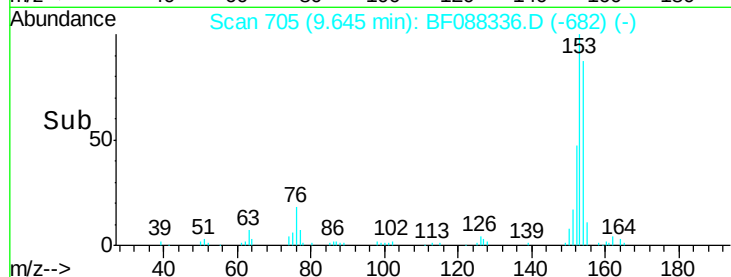
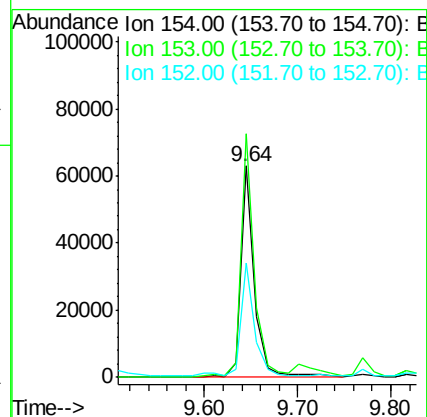
PM-STA-1388(0-4)



Tgt Ion:	154	Resp:	64550
Ion Ratio	Lower	Upper	
154	100		
153	115.1	89.5	134.3
152	54.2	42.7	64.1

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#54

Dibenzofuran

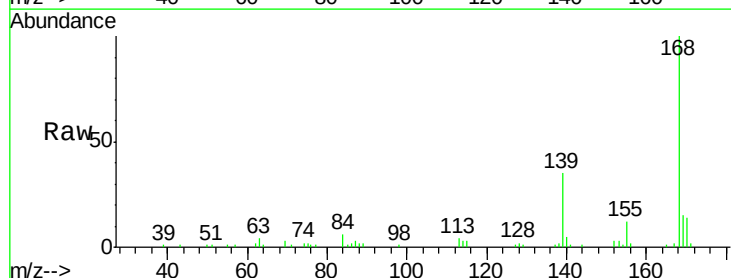
Concen: 4.34 ng

RT: 9.83 min Scan# 721

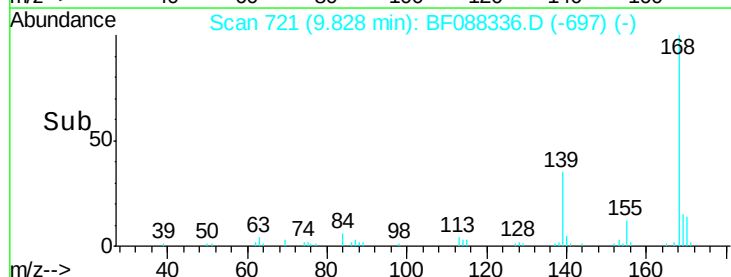
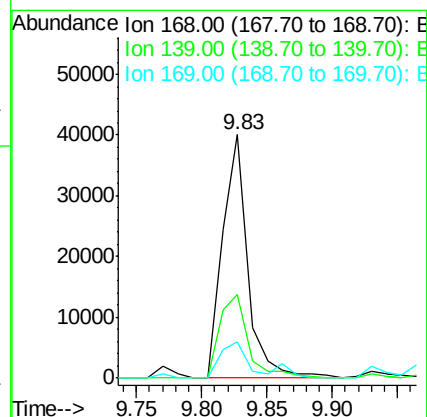
Delta R.T. -0.02 min

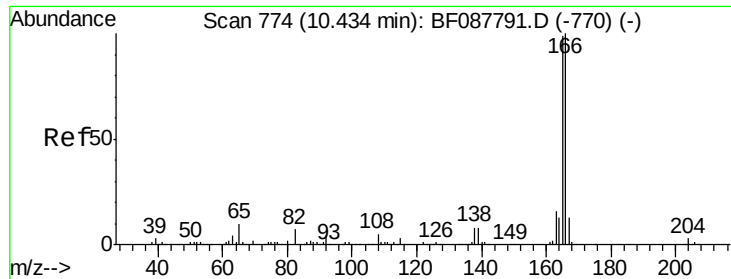
Lab File: BF088336.D

Acq: 24 Jun 2016 17:26



Tgt Ion:	168	Resp:	54205
Ion Ratio	Lower	Upper	
168	100		
139	34.5	26.4	39.6
169	15.1	10.4	15.6





#57

Fluorene

Concen: 9.79 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF088336.D

Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

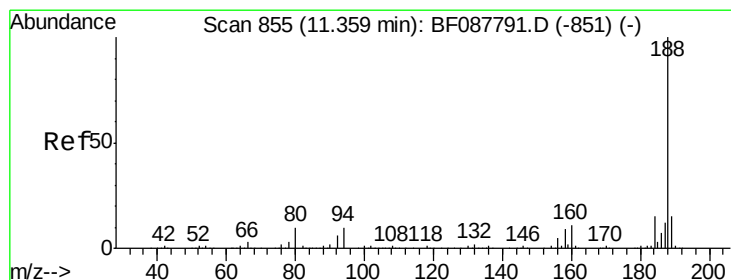
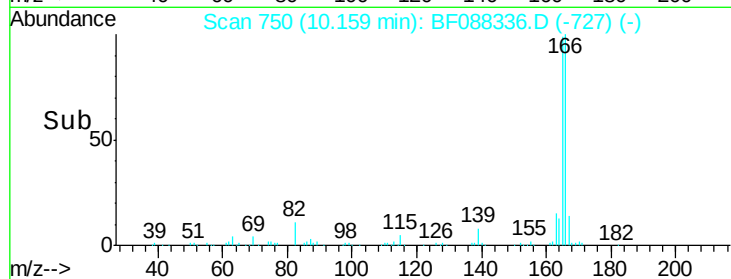
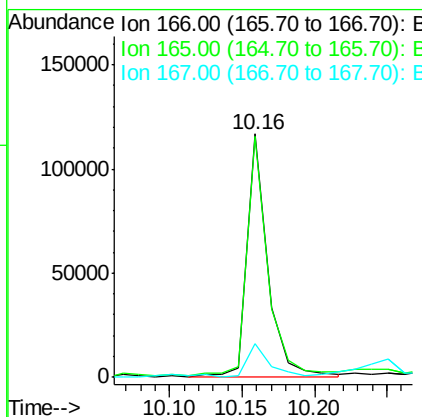
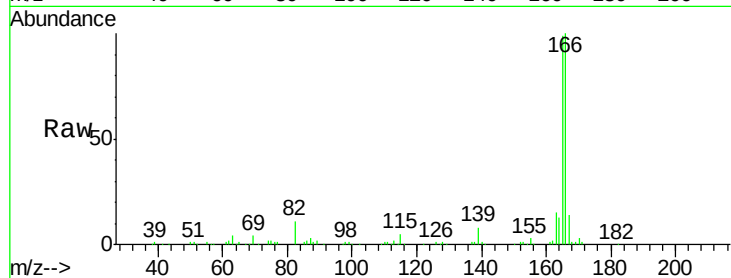
ClientSampleId :

PM-STA-1388(0-4)

Tgt Ion:	166	Resp:	114600
Ion Ratio	Lower	Upper	
166	100		
165	99.0	77.8	116.8
167	13.7	11.2	16.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

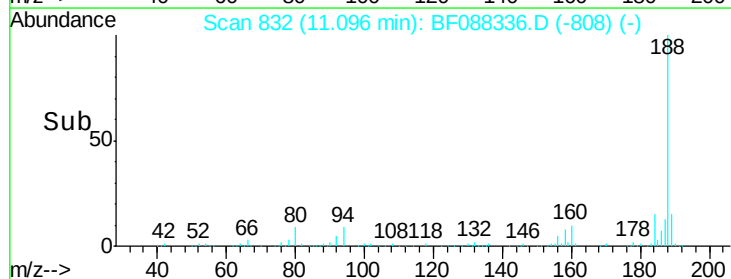
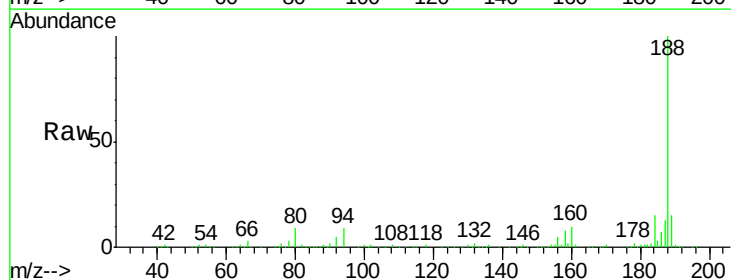
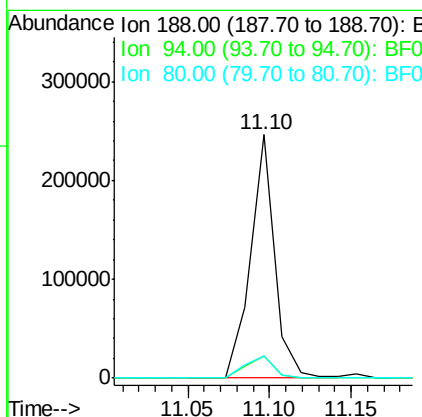
RT: 11.10 min Scan# 832

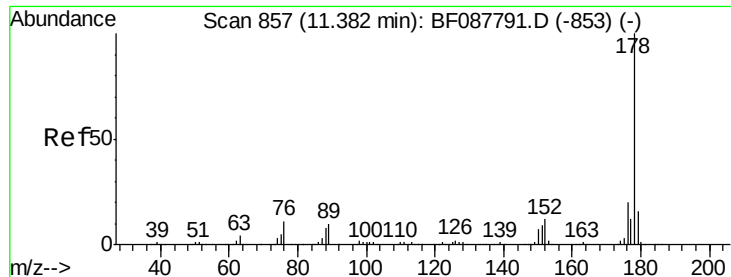
Delta R.T. -0.02 min

Lab File: BF088336.D

Acq: 24 Jun 2016 17:26

Tgt Ion:	188	Resp:	253592
Ion Ratio	Lower	Upper	
188	100		
94	8.9	9.0	13.6#
80	8.9	10.0	15.0#





#70

Phenanthrene

Concen: 71.07 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF088336.D

Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

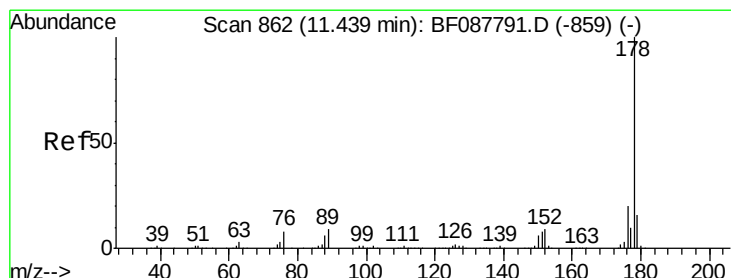
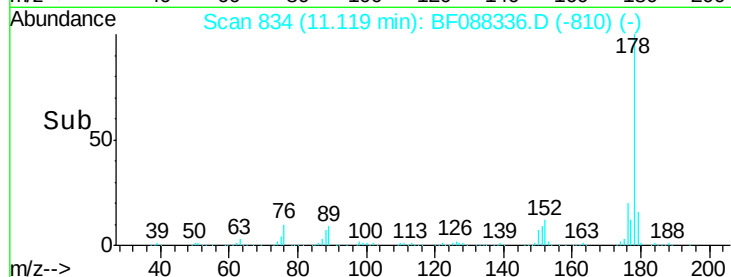
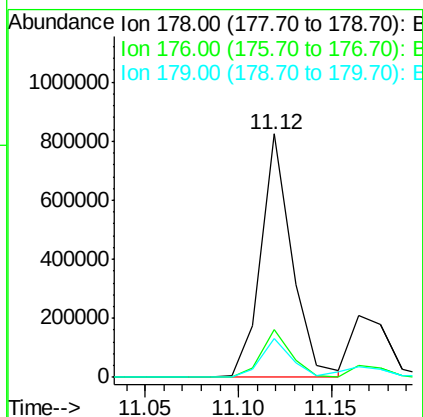
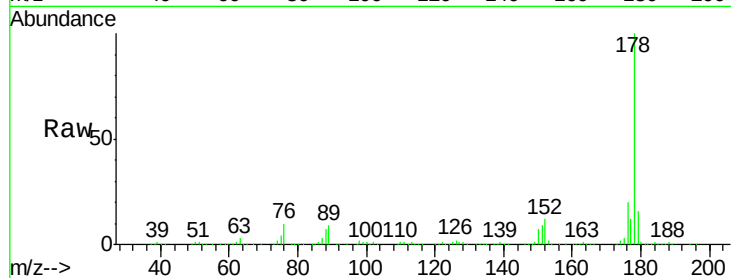
ClientSampleId :

PM-STA-1388(0-4)

Tgt Ion:	178	Resp:	945713
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.6
179	16.0	13.0	19.4

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#71

Anthracene

Concen: 22.67 ng

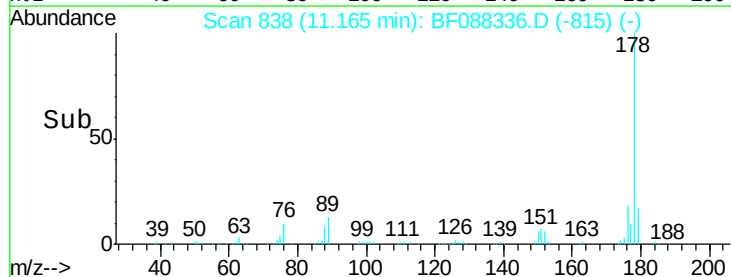
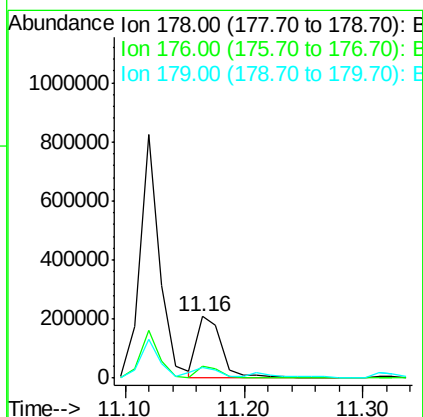
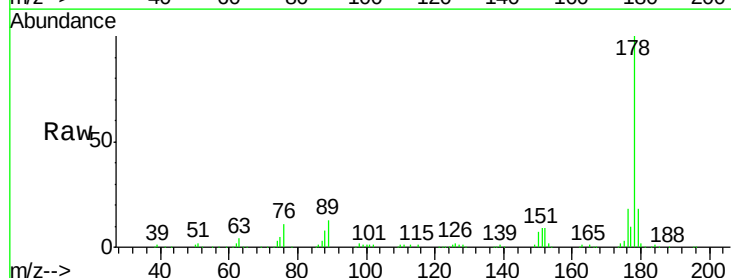
RT: 11.16 min Scan# 838

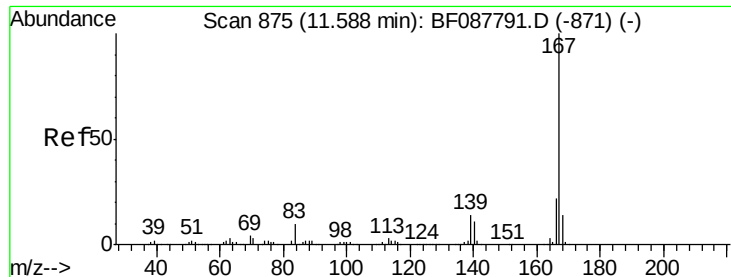
Delta R.T. -0.03 min

Lab File: BF088336.D

Acq: 24 Jun 2016 17:26

Tgt Ion:	178	Resp:	304363
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.6	23.4
179	17.5	12.8	19.2





#72

Carbazole

Concen: 7.21 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF088336.D

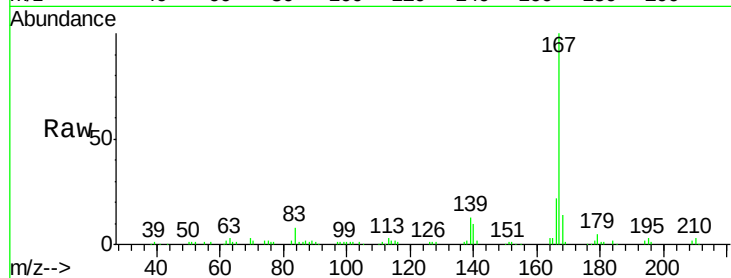
Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

ClientSampleId :

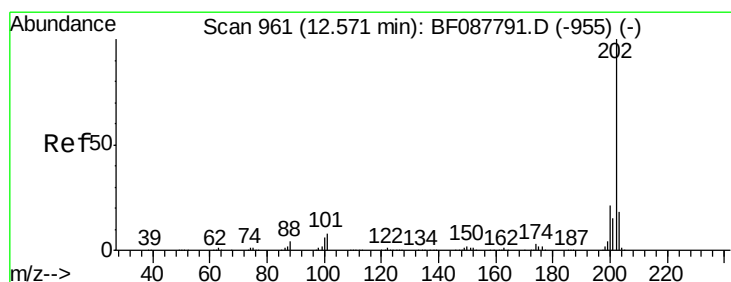
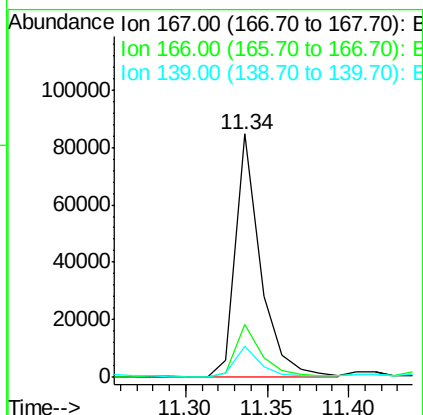
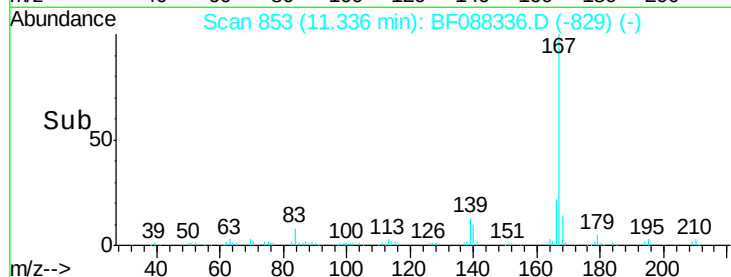
PM-STA-1388(0-4)



Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	12.8	11.2	16.8

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#74

Fluoranthene

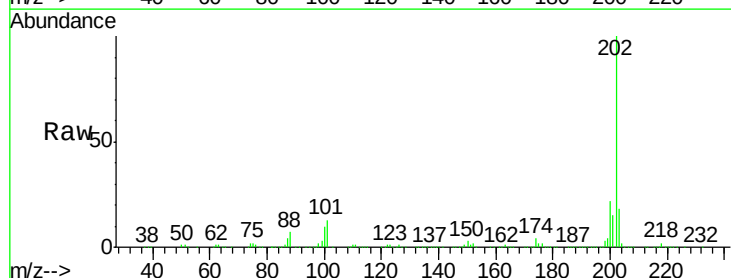
Concen: 87.53 ng

RT: 12.31 min Scan# 938

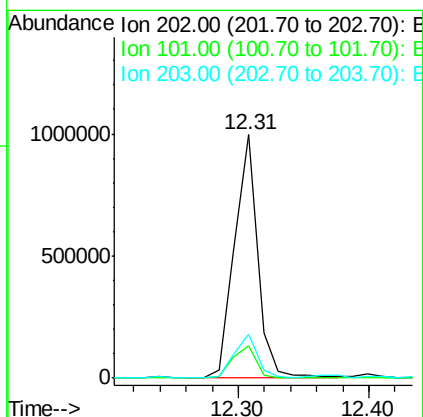
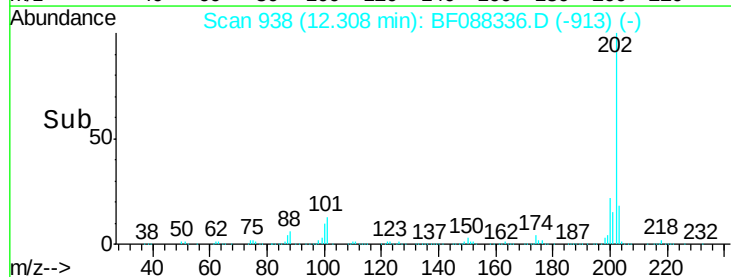
Delta R.T. -0.01 min

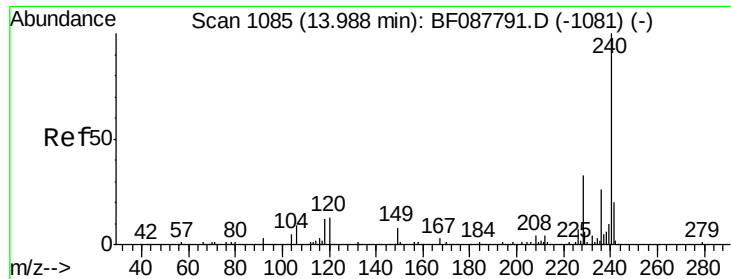
Lab File: BF088336.D

Acq: 24 Jun 2016 17:26



Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.1
203	18.3	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: BF088336.D

Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

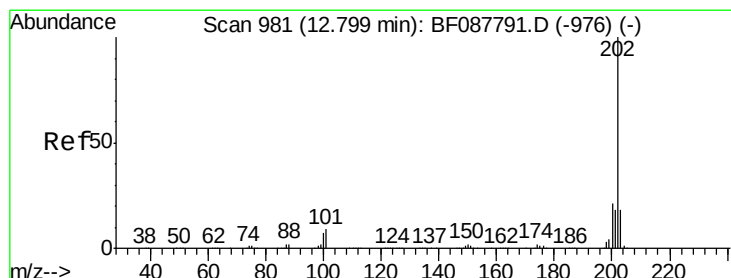
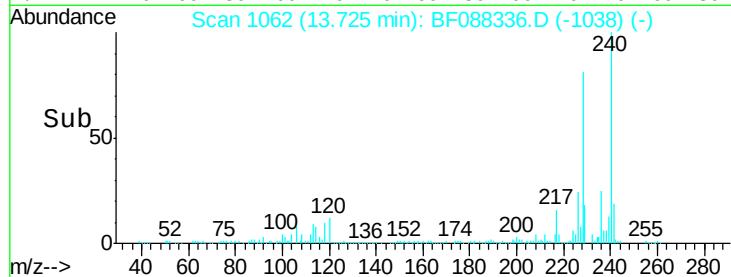
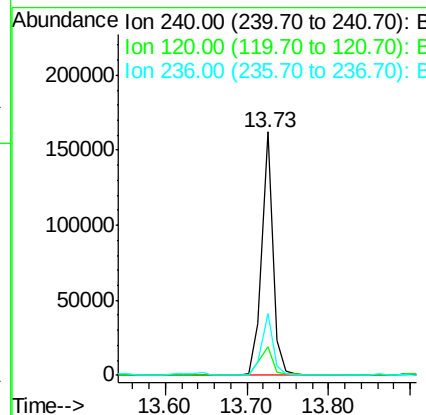
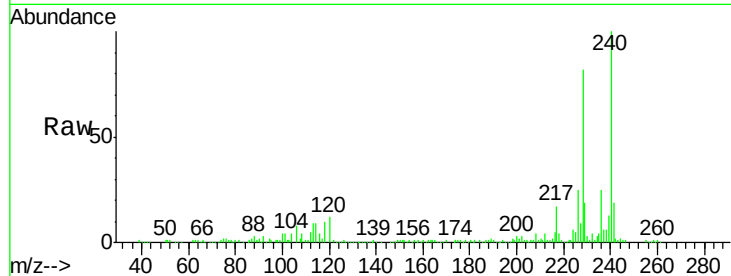
ClientSampleId :

PM-STA-1388(0-4)

Tgt Ion:	240	Resp:	156599
Ion Ratio	Lower	Upper	
240	100		
120	11.7	6.8	10.2#
236	25.3	20.2	30.2

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#77

Pyrene

Concen: 97.34 ng

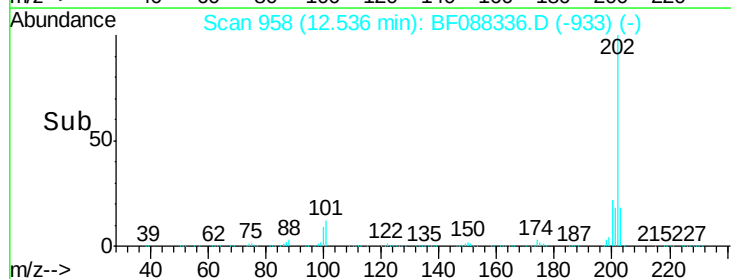
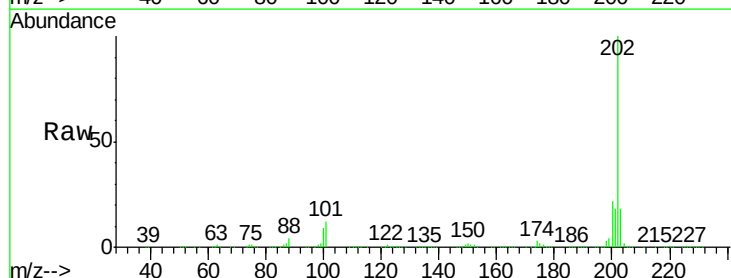
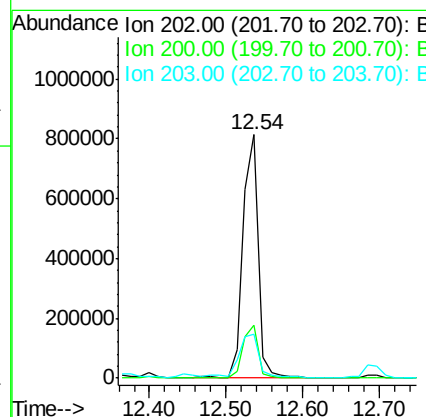
RT: 12.54 min Scan# 958

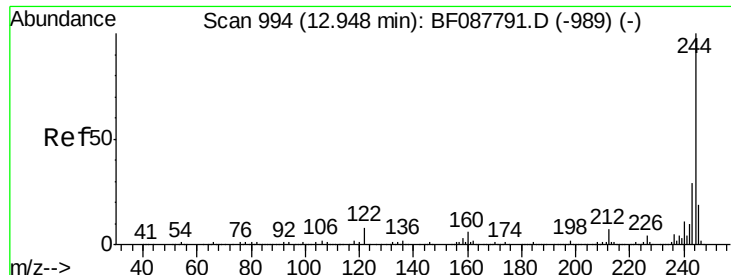
Delta R.T. -0.01 min

Lab File: BF088336.D

Acq: 24 Jun 2016 17:26

Tgt Ion:	202	Resp:	1131176
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	17.8	14.5	21.7





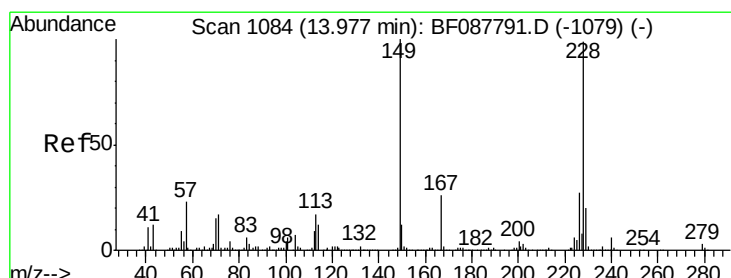
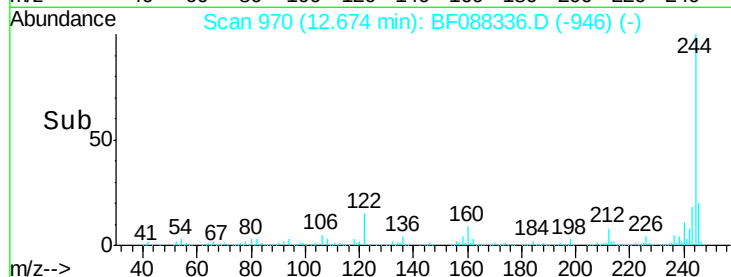
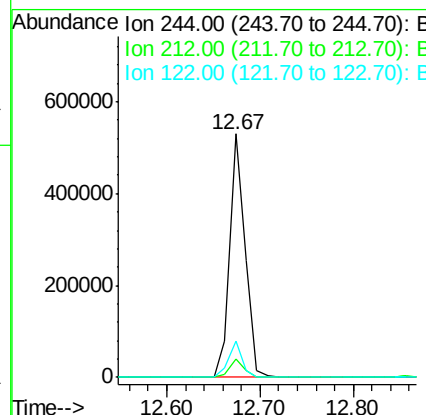
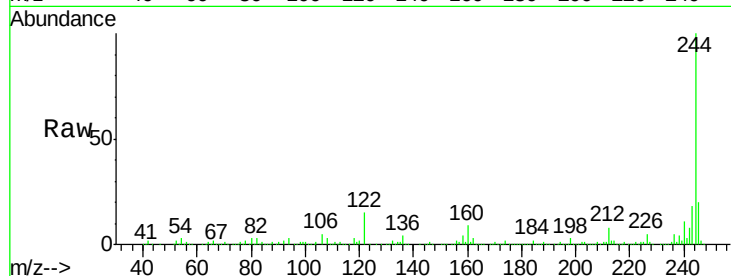
#78
 Terphenyl-d14
 Concen: 88.55 ng
 RT: 12.67 min Scan# 970
 Delta R.T. -0.02 min
 Lab File: BF088336.D
 Acq: 24 Jun 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1388(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	609380		
212	7.6	6.0	9.0	
122	15.0	11.2	16.8	

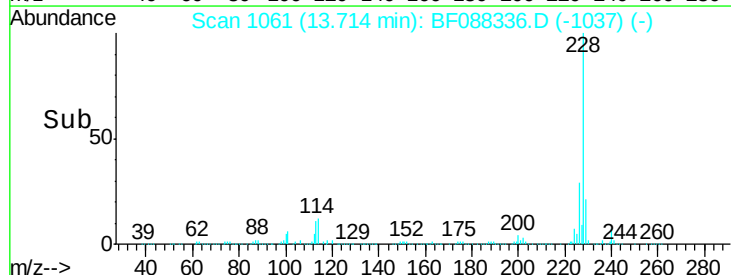
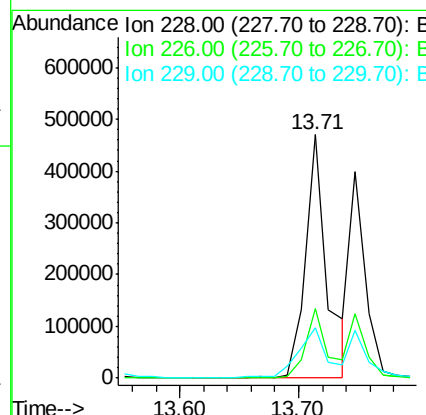
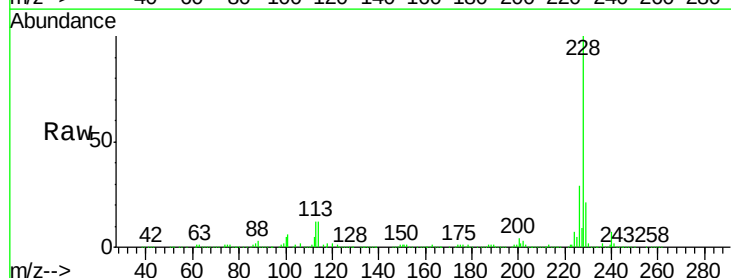
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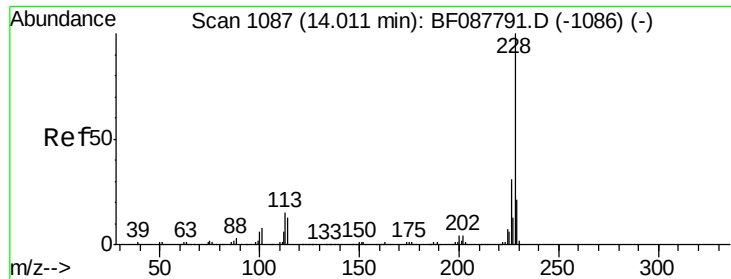
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#80
 Benzo(a)anthracene
 Concen: 65.92 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BF088336.D
 Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	588272		
226	28.6	22.3	33.5	
229	20.9	16.0	24.0	





#82

Chrysene

Concen: 43.68 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF088336.D

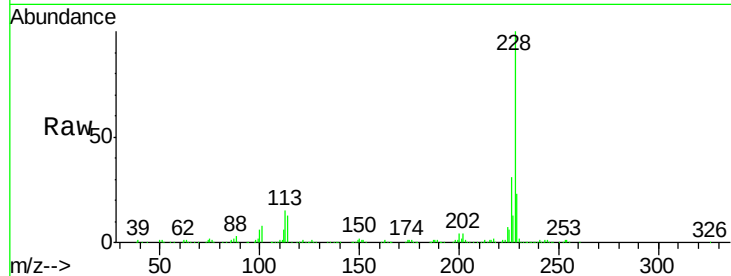
Acq: 24 Jun 2016 17:26

Instrument :

BNA_F

ClientSampleId :

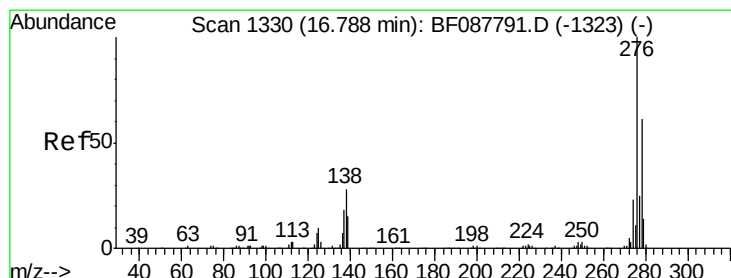
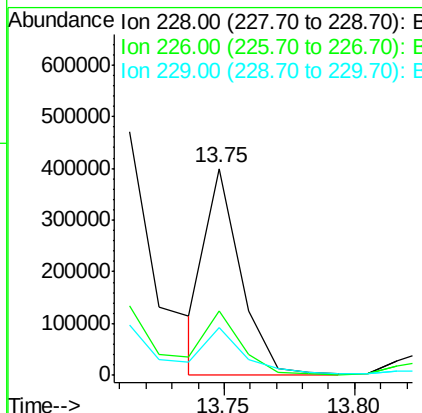
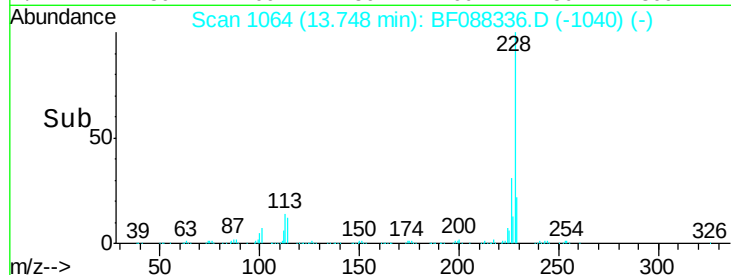
PM-STA-1388(0-4)



Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	22.8	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 34.28 ng

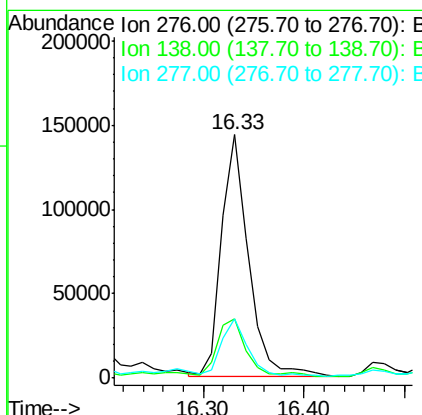
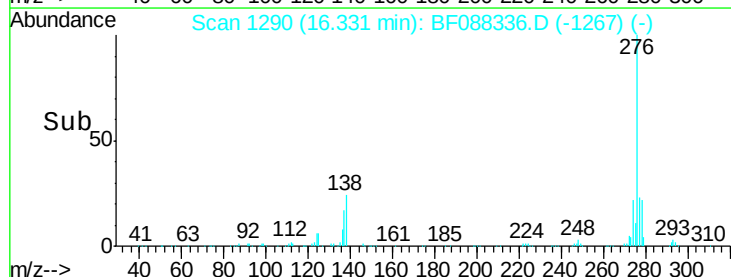
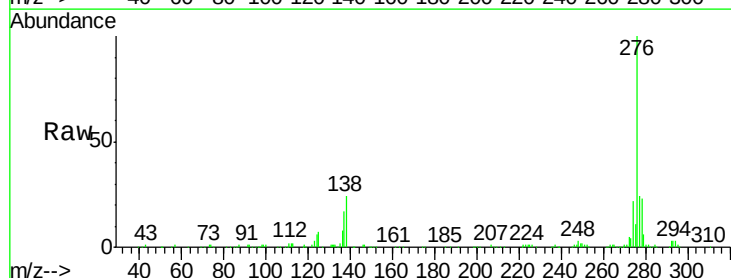
RT: 16.33 min Scan# 1290

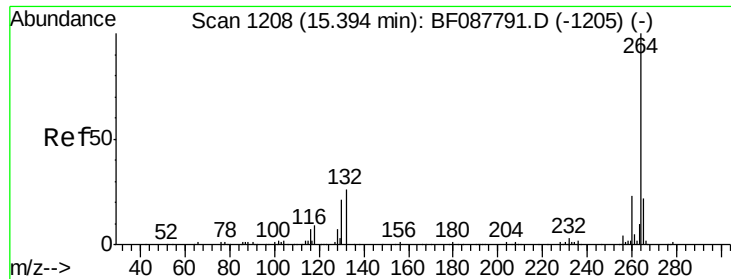
Delta R.T. -0.03 min

Lab File: BF088336.D

Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	0.0	0.0#
277	23.2	0.0	0.0#





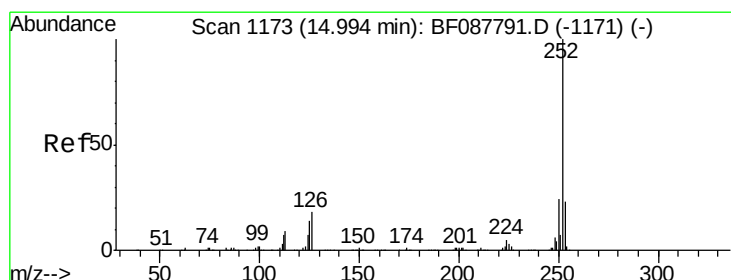
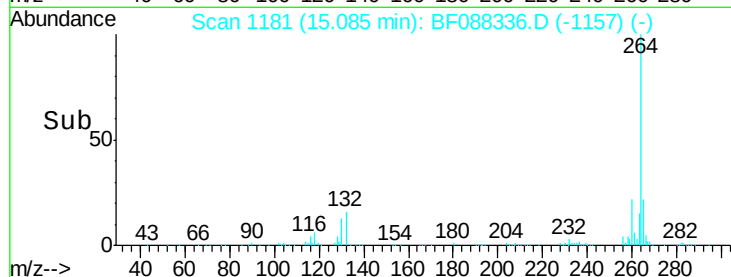
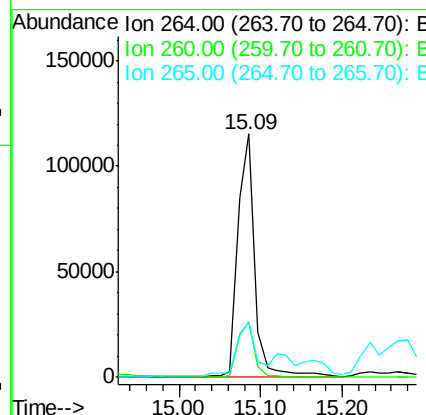
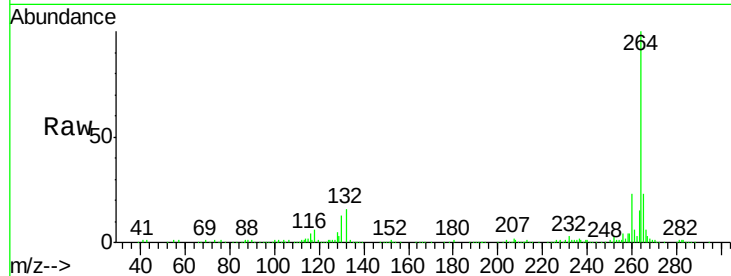
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	168099		
260	22.8	19.2	28.8	
265	22.6	16.9	25.3	

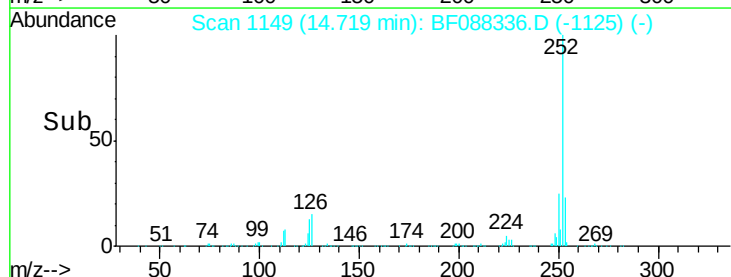
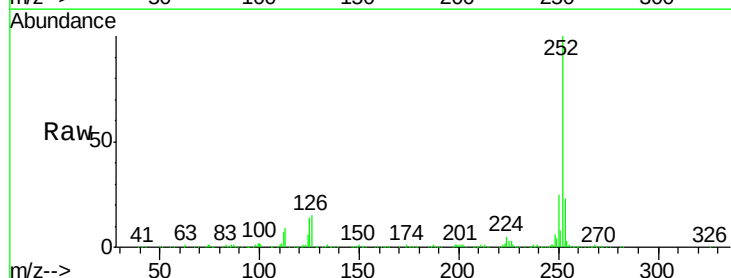
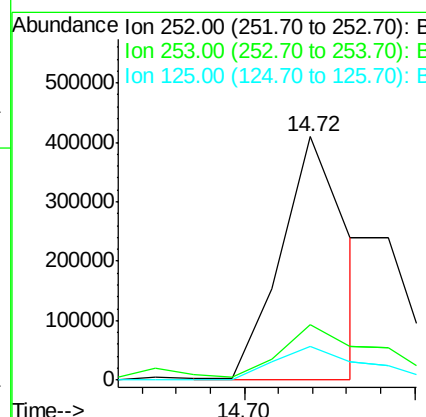
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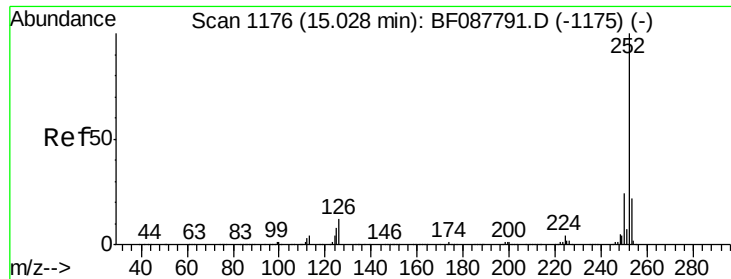
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#87
Benzo(b)fluoranthene
Concen: 47.14 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	552308		
253	23.0	17.4	26.2	
125	13.6	7.1	10.7#	





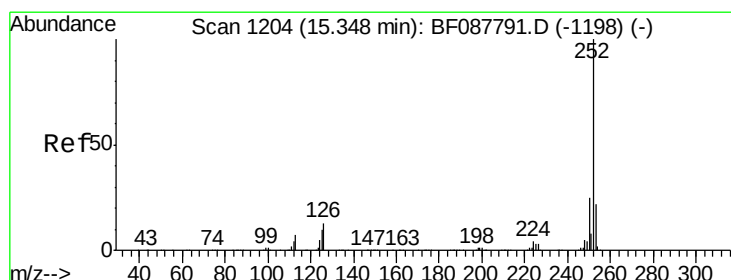
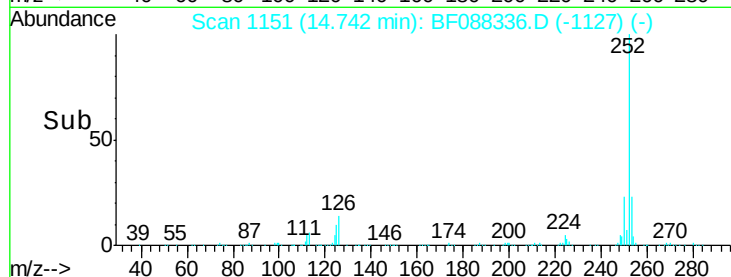
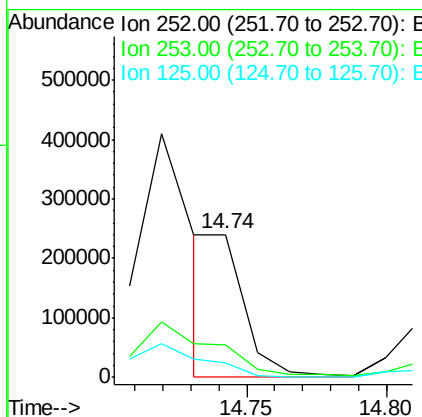
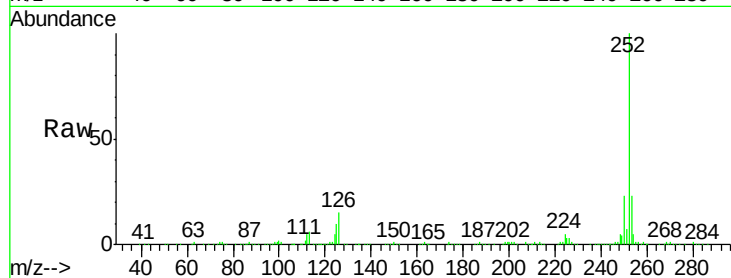
#88
Benzo(k)fluoranthene
Concen: 23.08 ng m
RT: 14.74 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.2	11.2	16.8

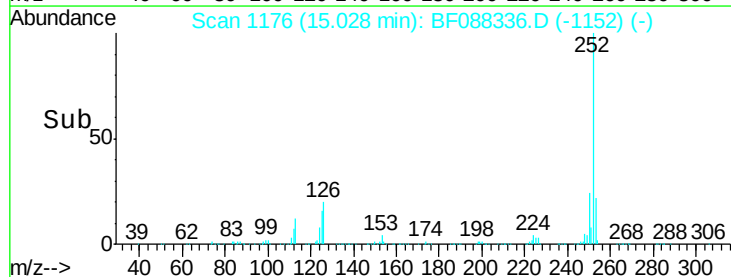
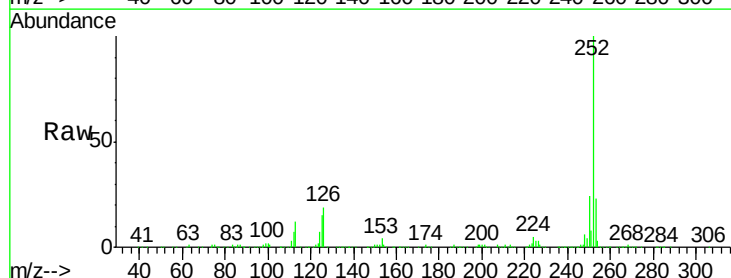
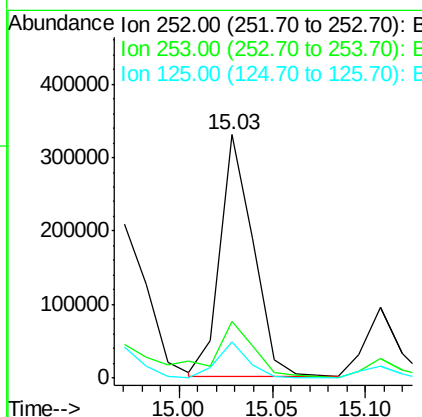
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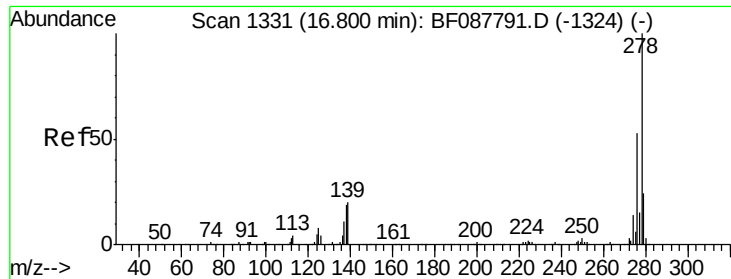
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#89
Benzo(a)pyrene
Concen: 43.33 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.9	12.5	18.7





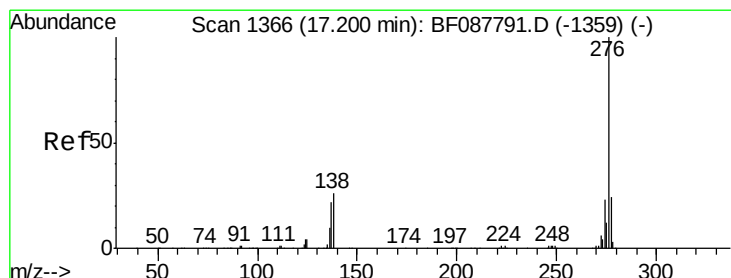
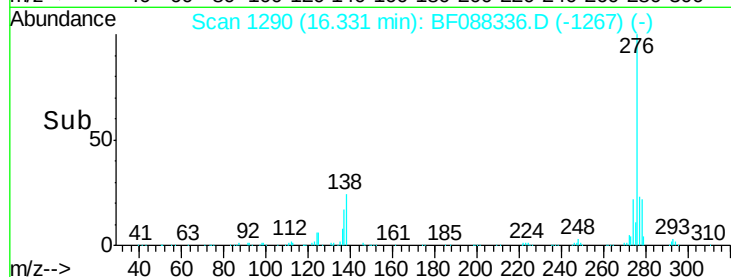
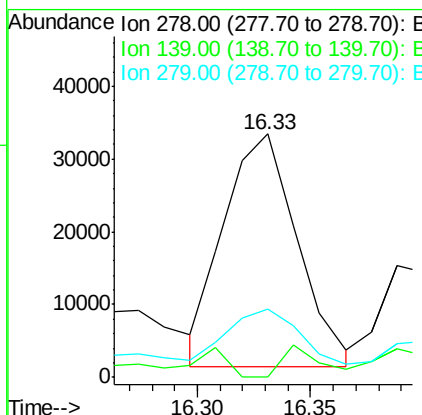
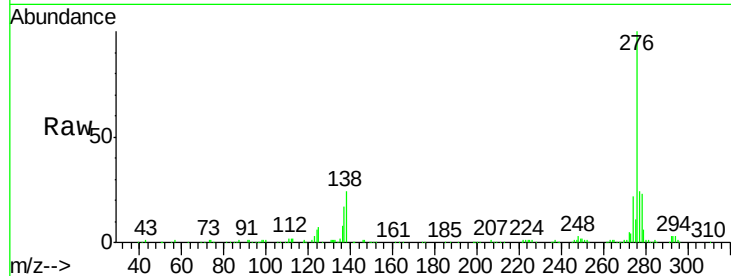
#90
Dibenzo(a,h)anthracene
Concen: 8.17 ng m
RT: 16.33 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Instrument :
BNA_F
ClientSampleId :
PM-STA-1388(0-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.0	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 26.28 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.03 min
Lab File: BF088336.D
Acq: 24 Jun 2016 17:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	26.0	21.4	32.2

