

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085792.D
 Acq On : 26 Mar 2016 5:45
 Operator : UM/SJ
 Sample : H1855-03DL 5X
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Manual Integrations
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Sohil
 3/28/2016 8:00:16 PM

Quant Time: Mar 26 06:21:09 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	101926	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	350413	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	148967	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	247535	20.00	ng	0.00
75) Chrysene-d12	13.98	240	222271	20.00	ng	0.00
86) Perylene-d12	15.40	264	173760	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	10945	1.79	ng	0.02
7) Phenol-d6	6.47	99	14166	1.82	ng	0.01
23) Nitrobenzene-d5	7.40	82	6172	0.99	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	2051	1.45	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	12758	1.43	ng	0.00
78) Terphenyl-d14	12.93	244	11675	1.08	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	282513	22.23	ng	98
71) Anthracene	11.42	178	74316	5.57	ng	98
74) Fluoranthene	12.56	202	485457	35.93	ng	88
77) Pyrene	12.79	202	406649	22.26	ng	98
80) Benzo(a)anthracene	13.97	228	248484	19.61	ng	99
82) Chrysene	14.00	228	165032	12.93	ng	98
85) Indeno(1,2,3-cd)pyrene	16.78	276	70935	7.20	ng	95
87) Benzo(b)fluoranthene	15.00	252	202133m	18.47	ng	
88) Benzo(k)fluoranthene	15.01	252	80511m	8.16	ng	
89) Benzo(a)pyrene	15.34	252	136070	14.00	ng	99
91) Benzo(g,h,i)perylene	17.20	276	62738	6.86	ng	96

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

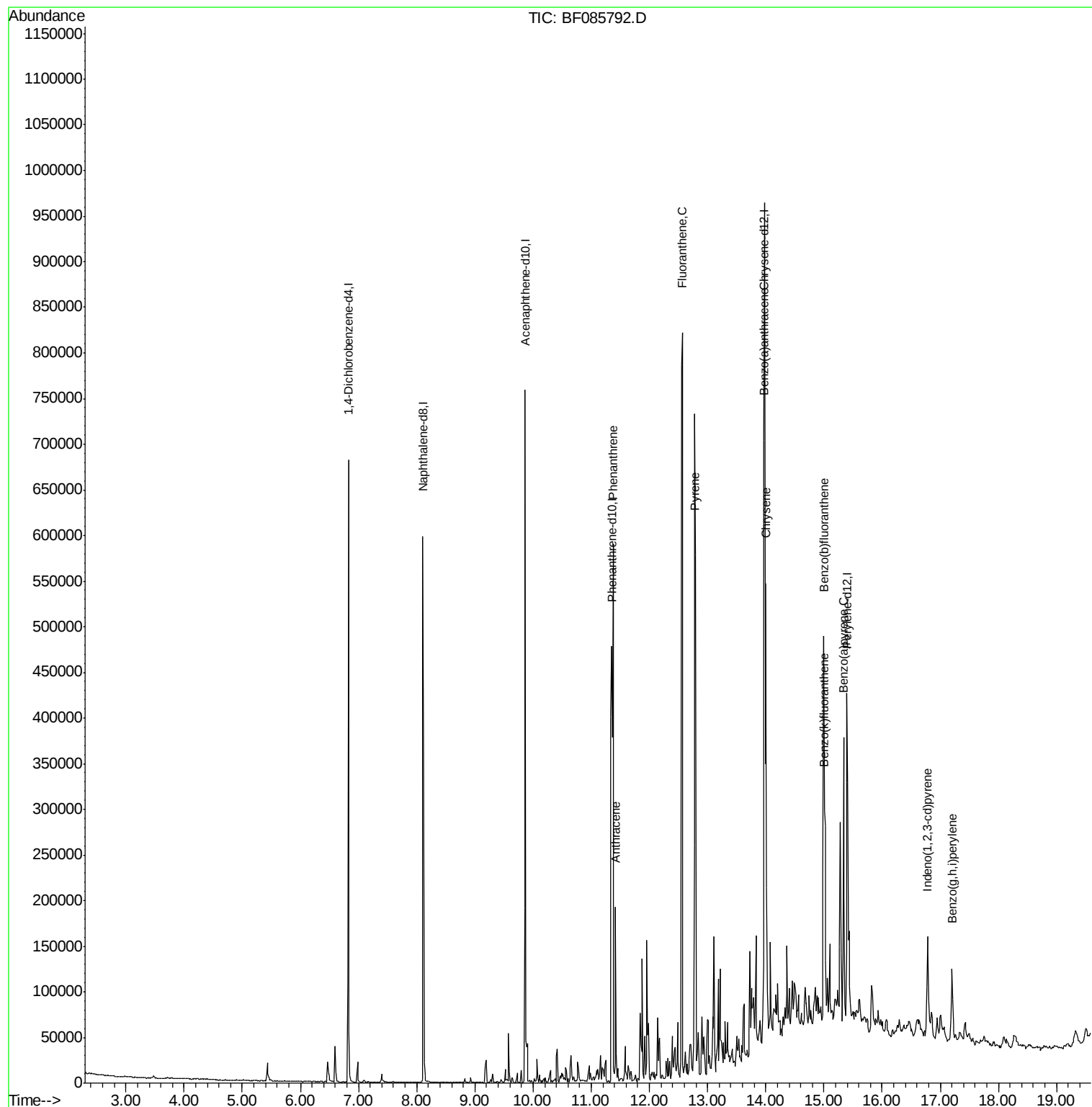
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085792.D
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Operator : UM/SJ
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Misc :
ALS Vial : 69 Sample Multiplier: 1

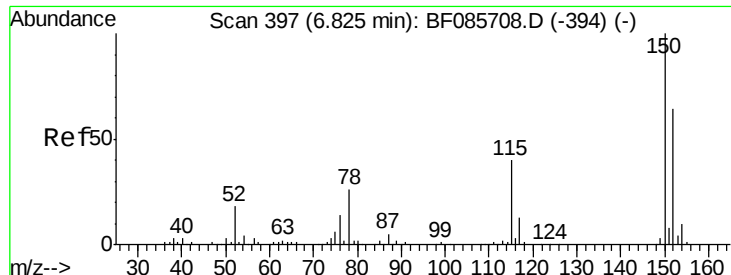
Instrument :
BNA_F
ClientSampleId :
SB-1A

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Quant Time: Mar 26 06:21:09 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

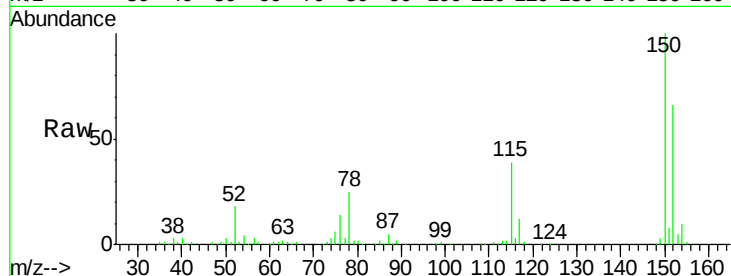
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Instrument :
BNA_F
ClientSampled :
SB-1A

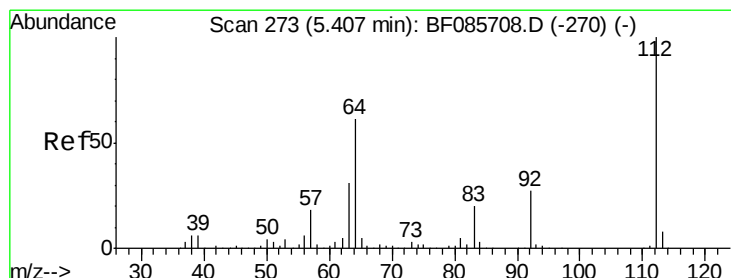
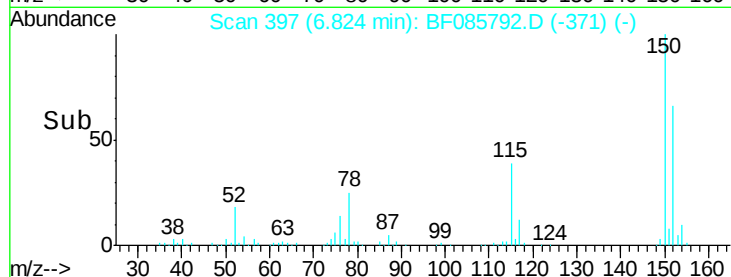
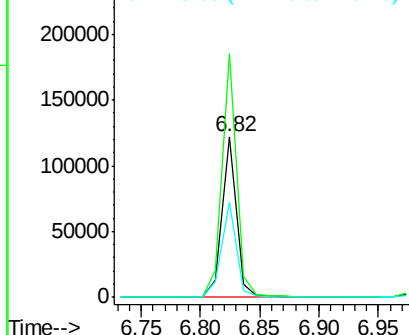
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.2	186.2
115	59.5	47.0	70.6

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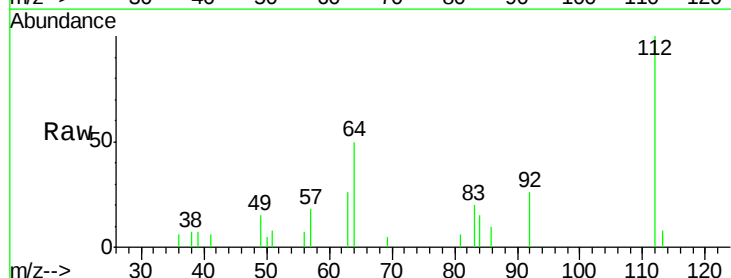
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



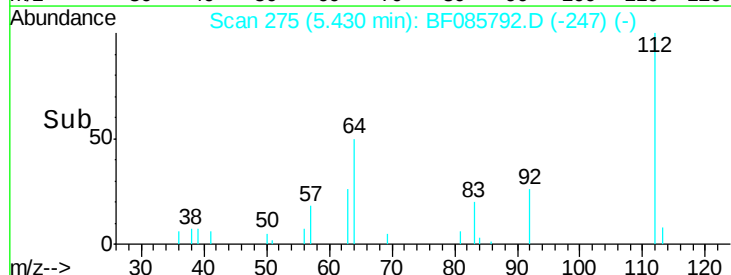
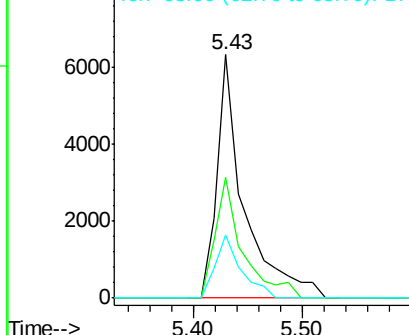
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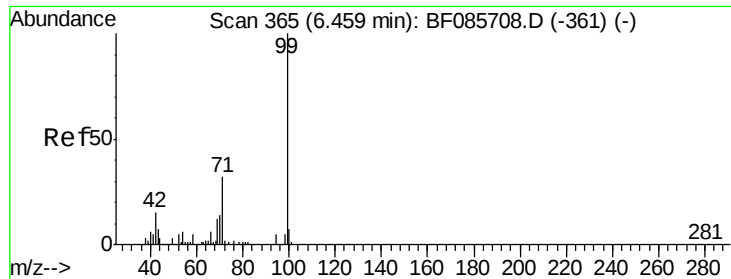
2-Fluorophenol
Concen: 1.79 ng
RT: 5.43 min Scan# 275
Delta R.T. 0.02 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	39.9	59.9
63	26.2	20.2	30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.82 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

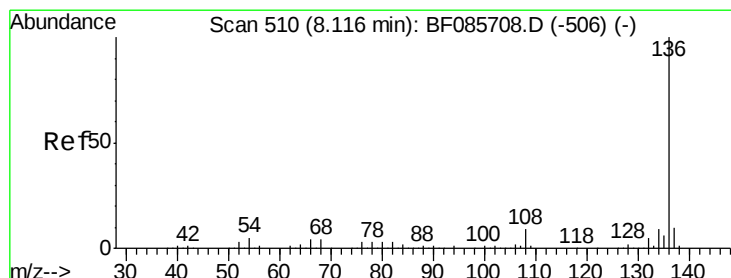
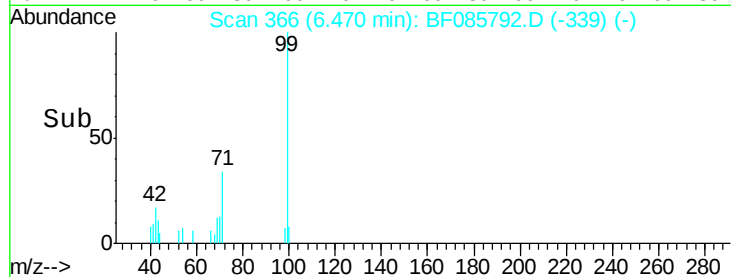
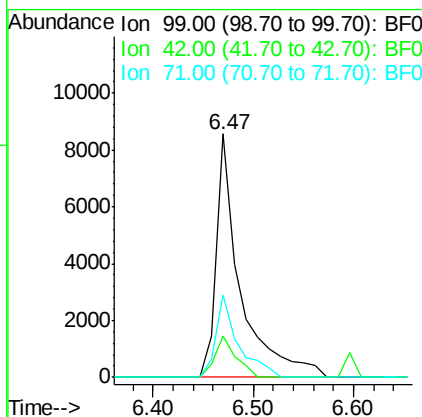
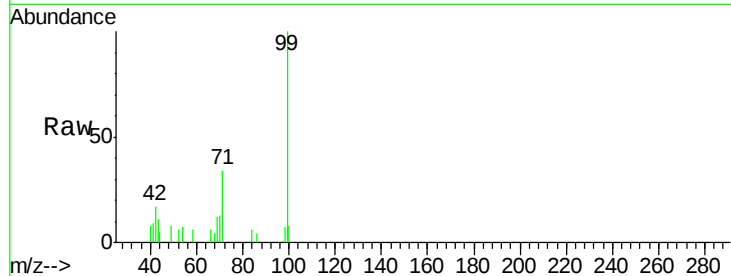
ClientSampleId :

SB-1A

Tot Ion:	99	Resp:	14166
Ion Ratio	Lower	Upper	
99	100		
42	17.2	11.1	16.7#
71	33.9	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

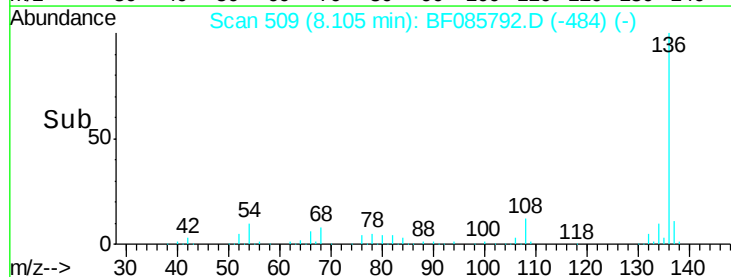
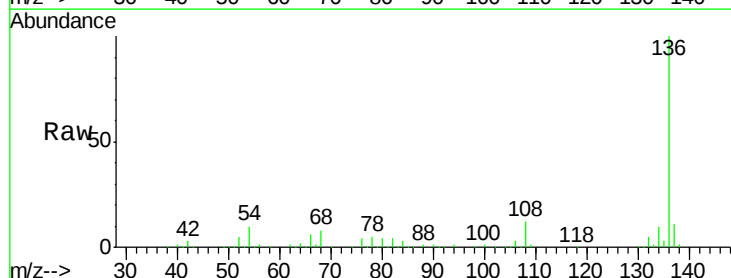
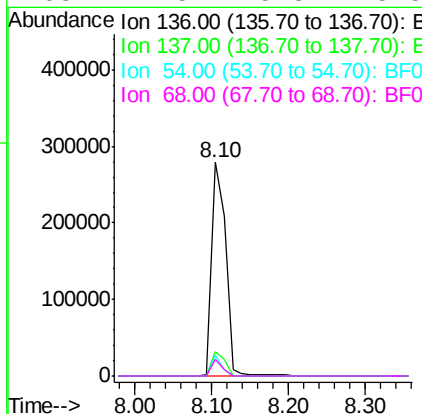
RT: 8.10 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Tgt Ion:	136	Resp:	350413
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.5	7.4	11.0
68	7.5	5.8	8.8





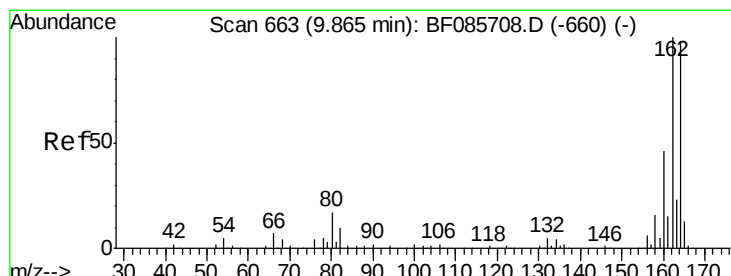
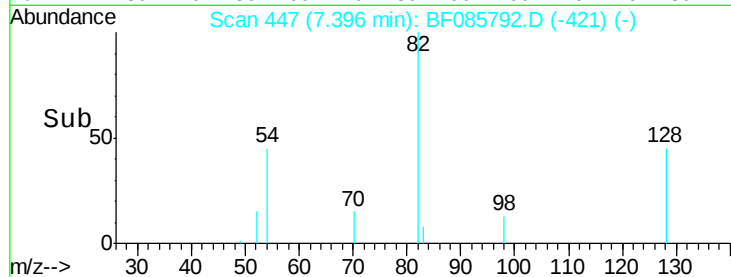
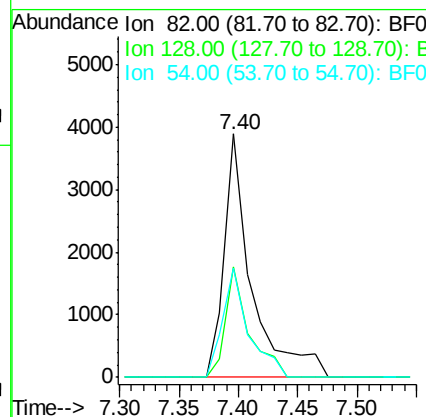
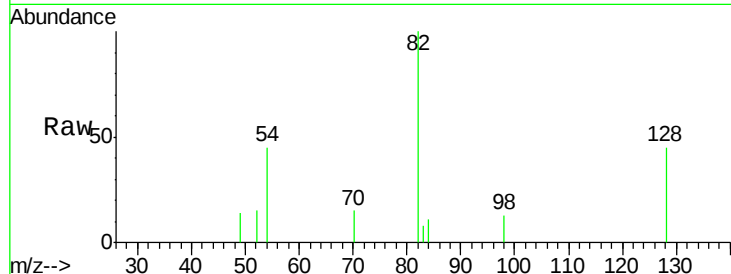
#23
 Nitrobenzene-d5
 Concen: 0.99 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampleID :
 SB-1A

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	41.8	62.8
54	45.1	33.4	50.0

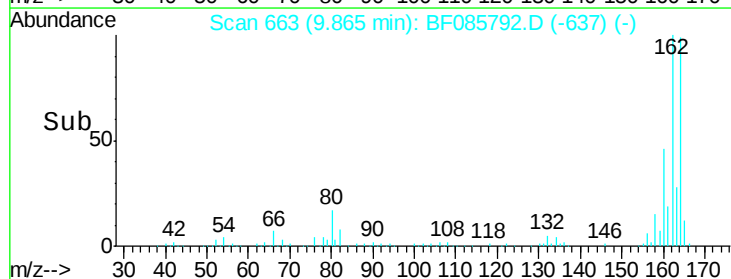
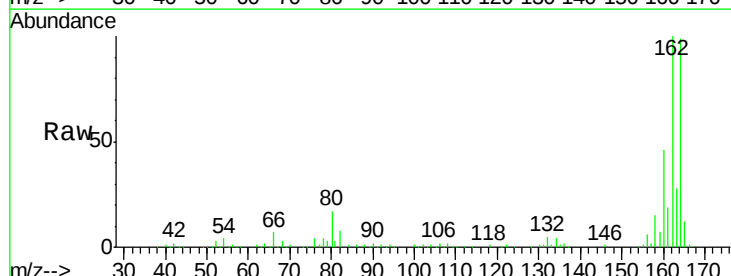
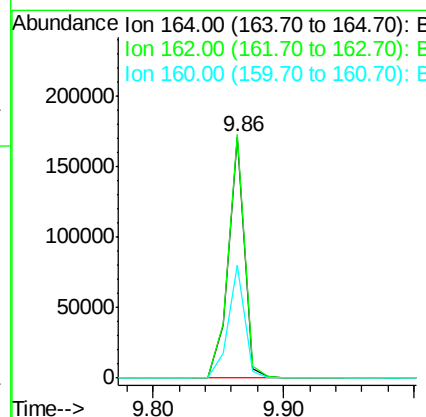
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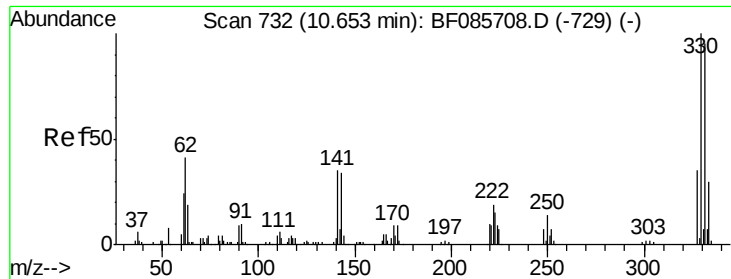
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.1	123.1
160	46.9	37.4	56.2





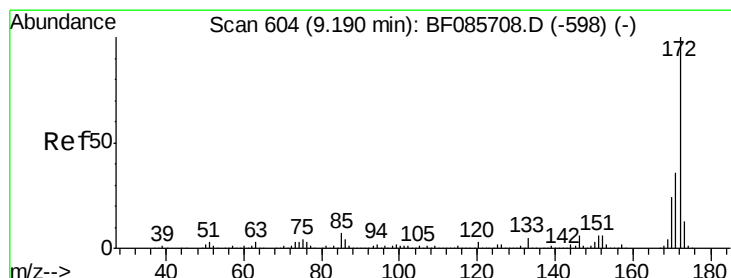
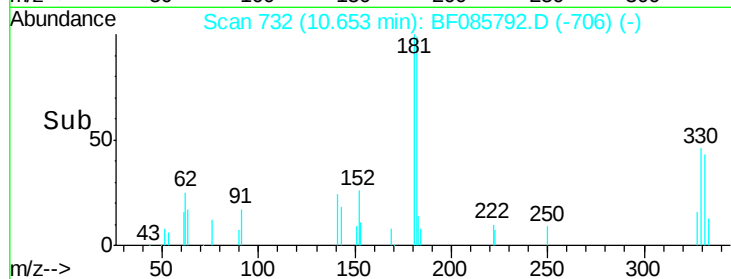
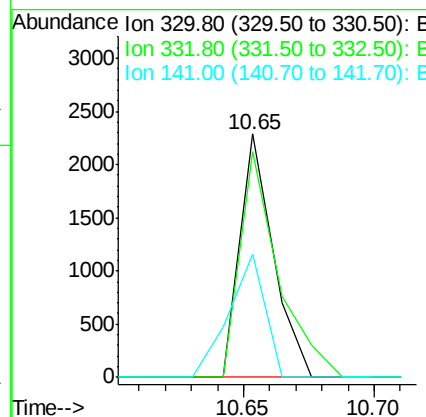
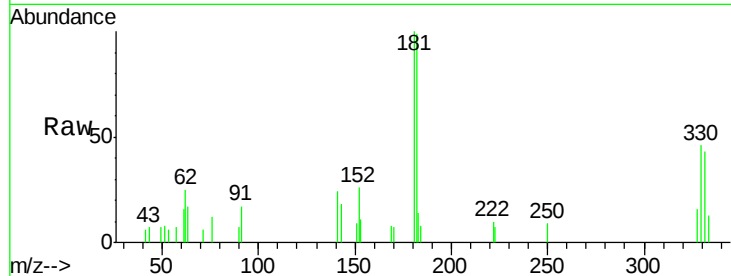
#41
 2,4,6-Tribromophenol
 Concen: 1.45 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tot Ion	Ratio	Lower	Upper
330	100		
332	106.4	78.2	117.2
141	54.8	31.5	47.3

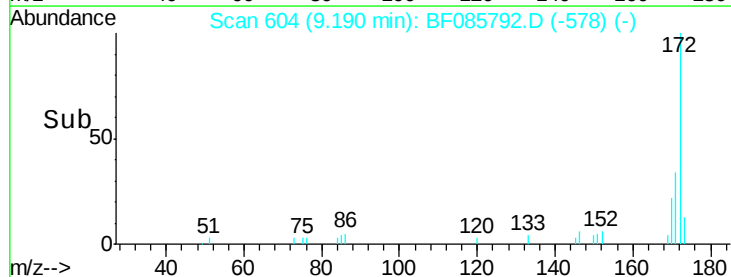
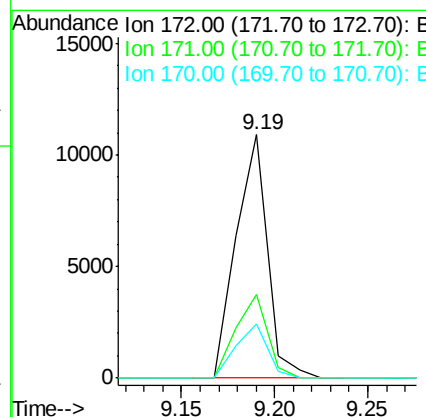
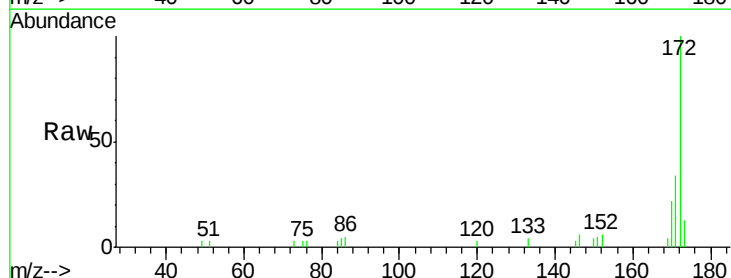
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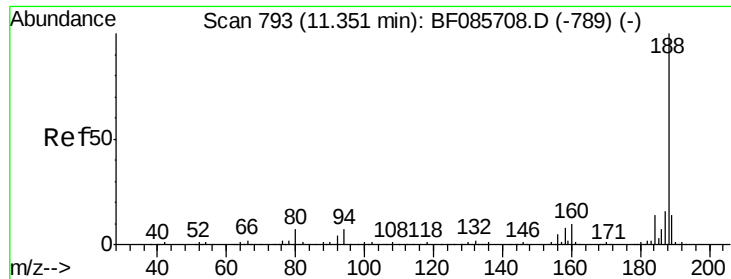
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#44
 2-Fluorobiphenyl
 Concen: 1.43 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.4	44.2
170	22.5	19.8	29.6





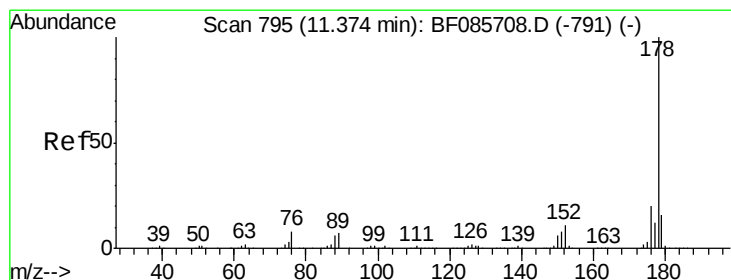
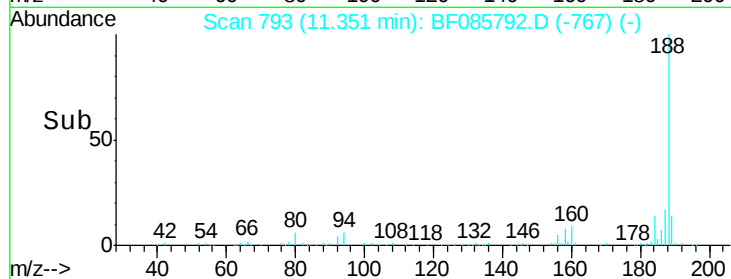
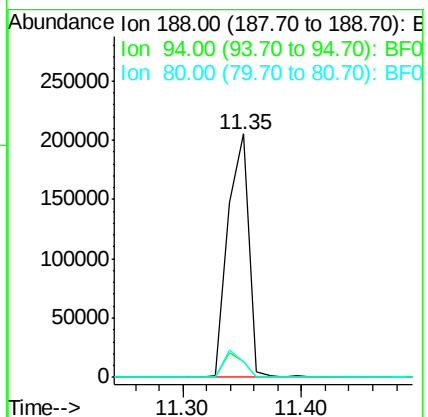
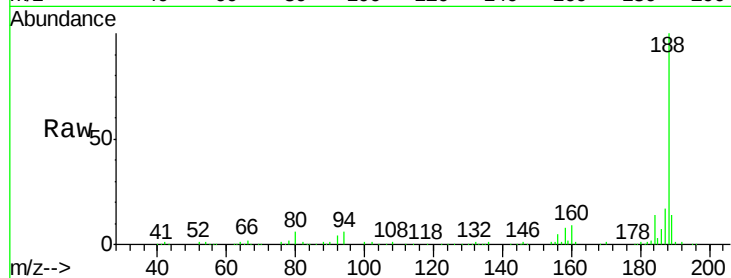
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.5	5.4	8.0
80	6.3	5.5	8.3

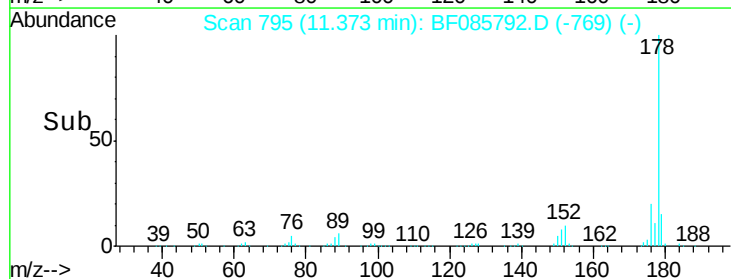
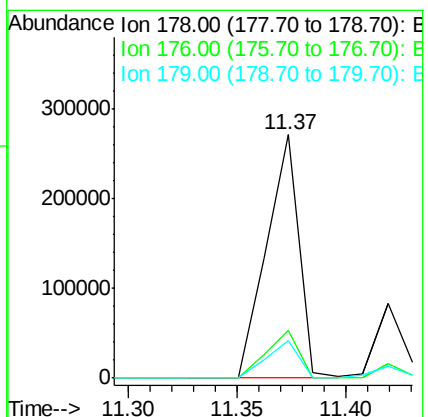
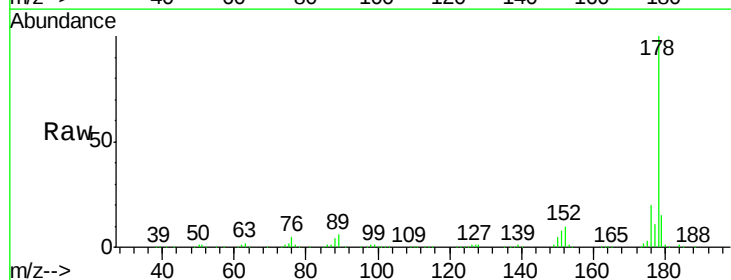
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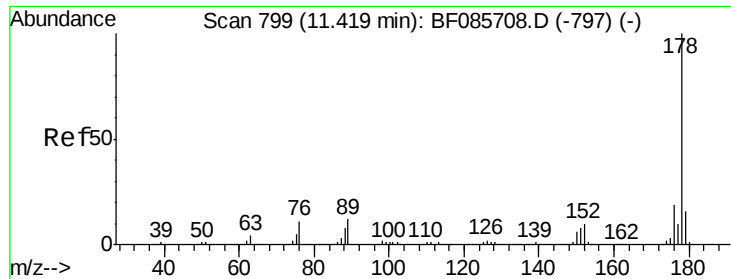
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#70
Phenanthrene
Concen: 22.23 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.2	12.6	18.8





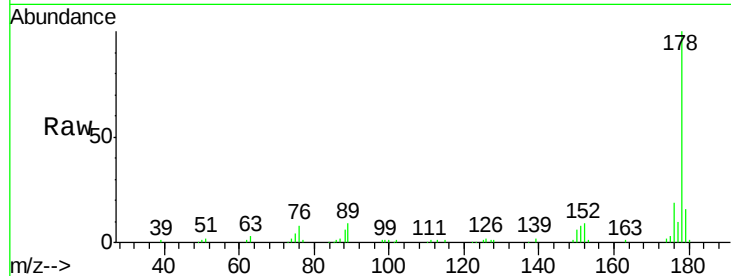
#71
 Anthracene
 Concen: 5.57 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampled :
 SB-1A

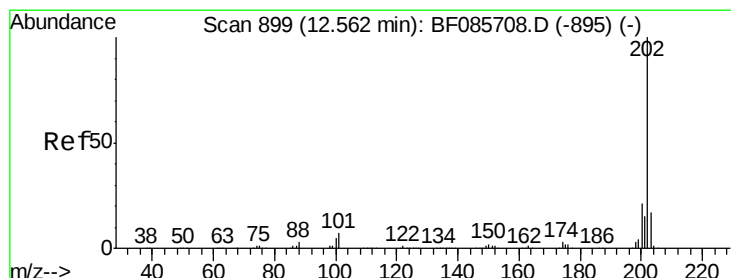
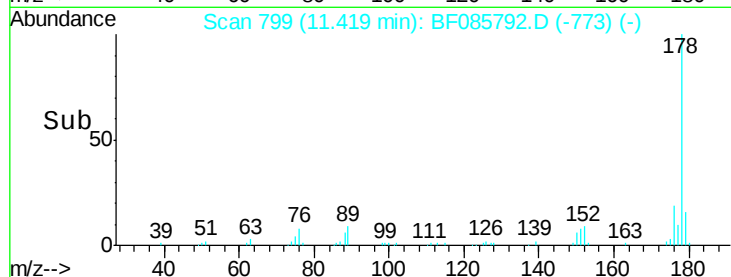
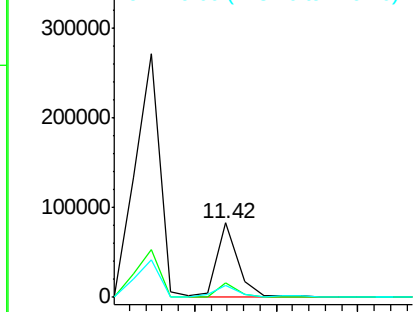
Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		74316		
176	19.0	15.9	23.9		
179	15.7	13.0	19.4		

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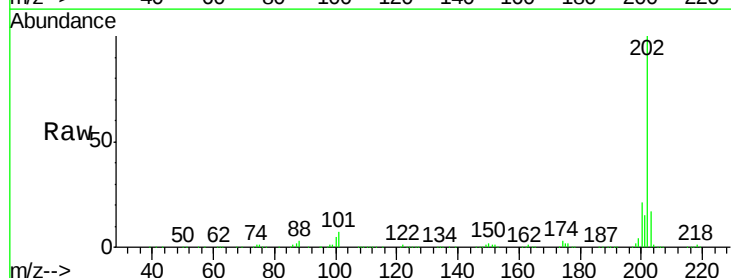


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

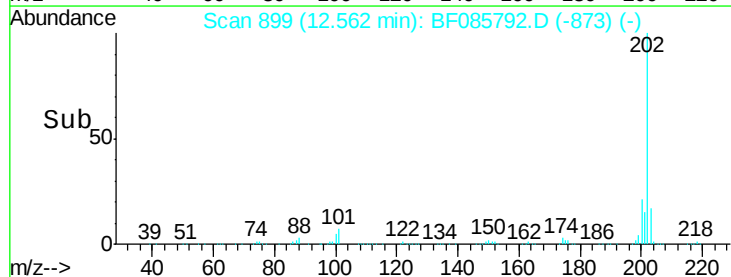
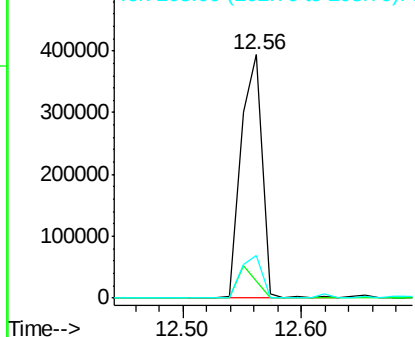


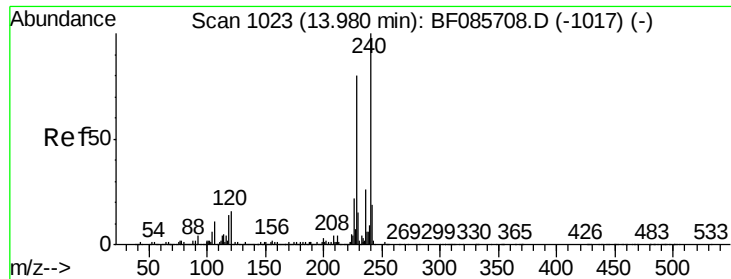
#74
 Fluoranthene
 Concen: 35.93 ng
 RT: 12.56 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		485457		
101	7.0	0.0	36.6		
203	17.4	0.0	38.1		



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

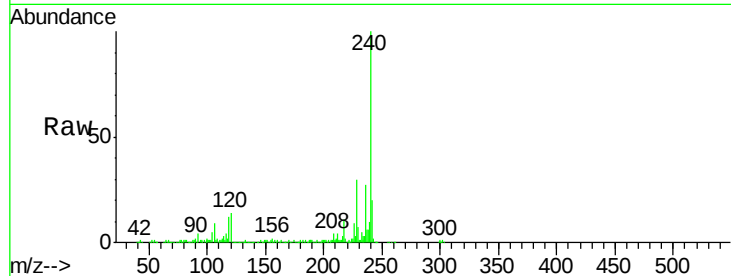
ClientSampleId :

SB-1A

Tot Ion:	240	Resp:	222271
Ion Ratio	Lower	Upper	
240	100		
120	14.1	13.8	20.8
236	26.9	20.6	30.8

Manual Integrations
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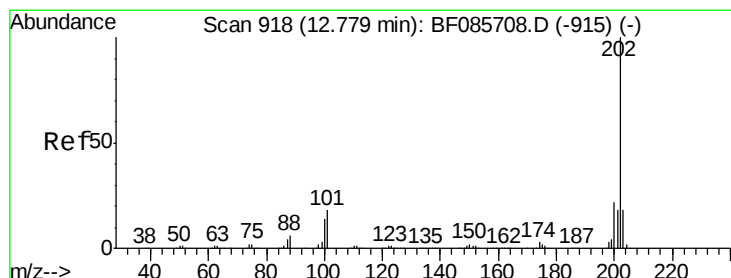
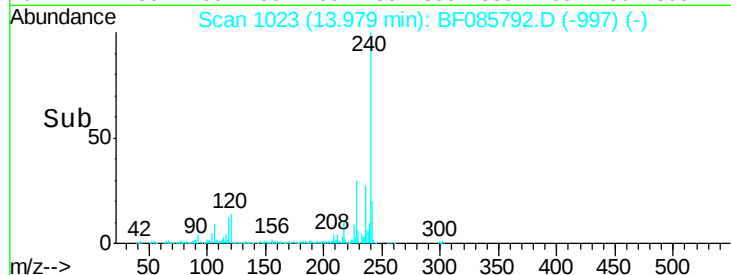
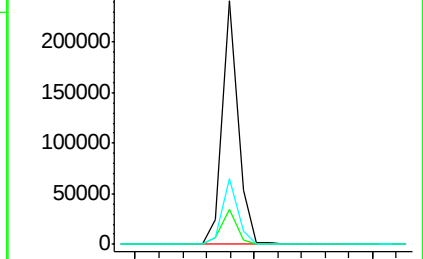


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.98



#77

Pyrene

Concen: 22.26 ng

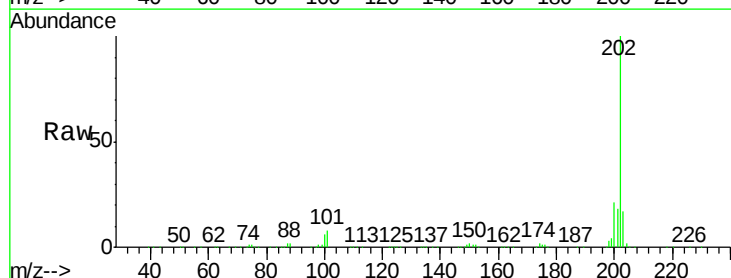
RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Tgt Ion:	202	Resp:	406649
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.6	26.4
203	16.9	14.0	21.0

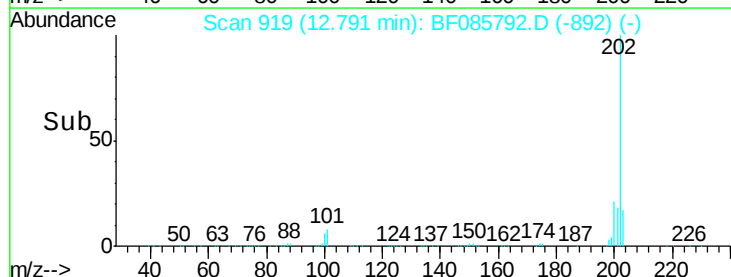
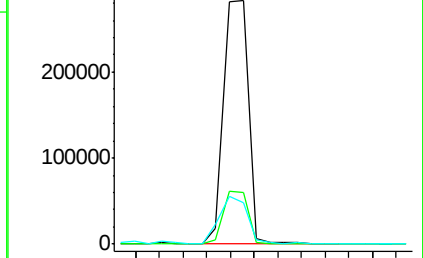


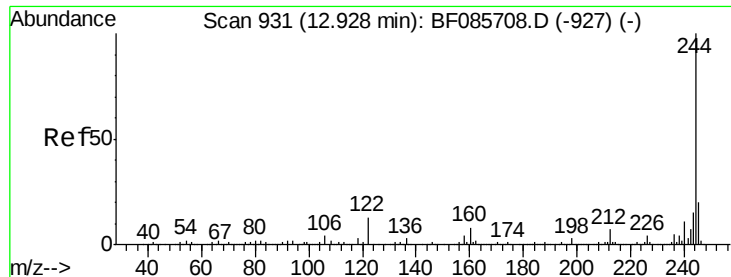
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.79





#78

Terphenyl-d14

Concen: 1.08 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

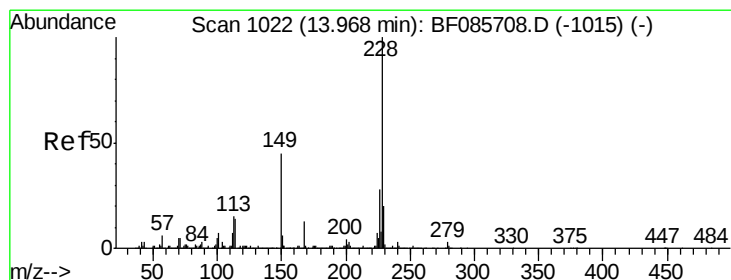
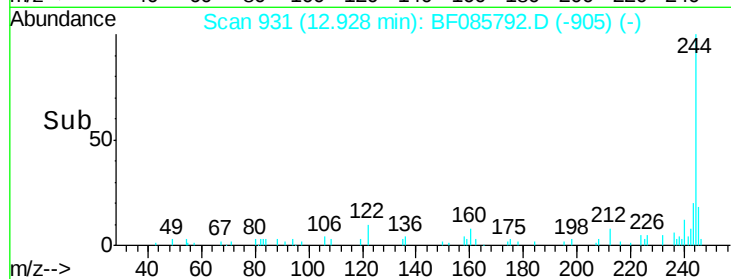
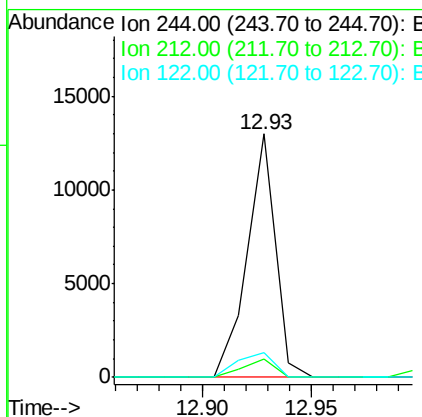
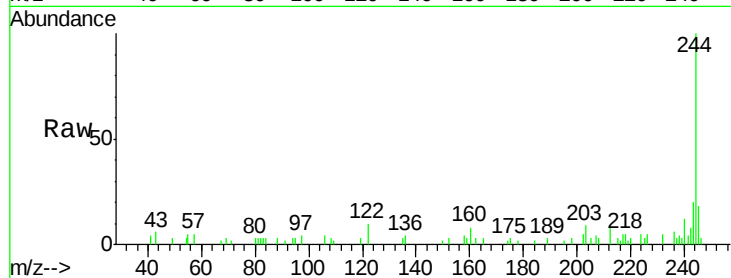
ClientSampleId :

SB-1A

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	10.2	10.2	15.4

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#80

Benzo(a)anthracene

Concen: 19.61 ng

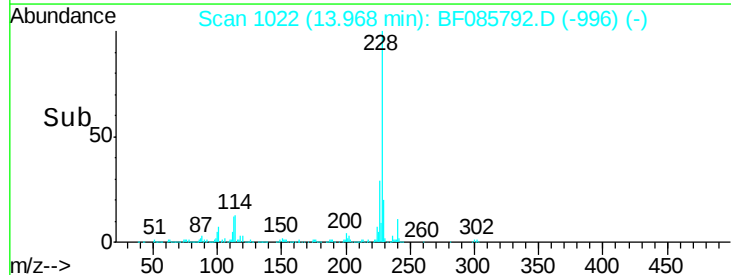
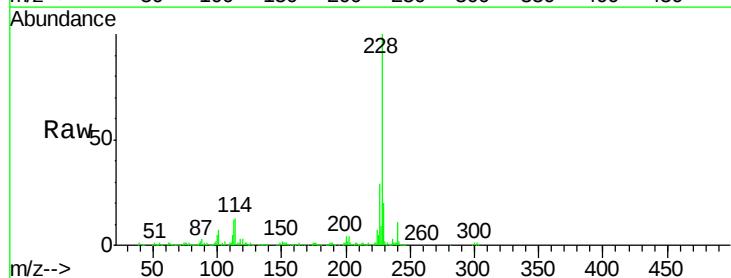
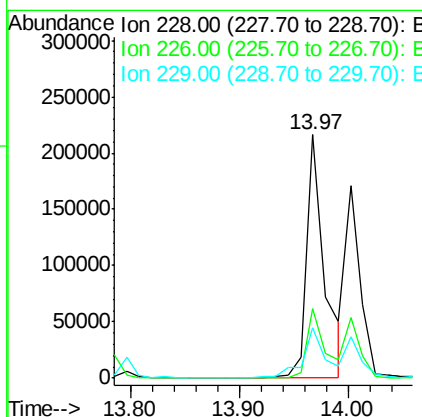
RT: 13.97 min Scan# 1022

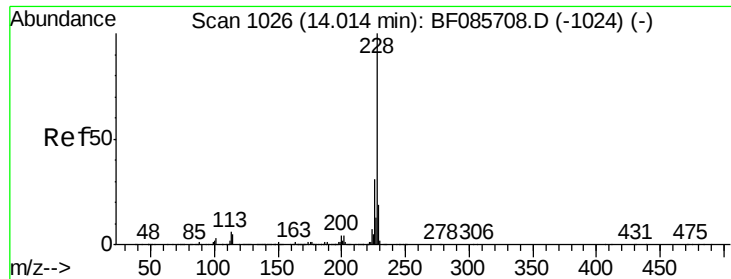
Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.1	33.1
229	20.5	16.2	24.4





#82

Chrysene

Concen: 12.93 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Instrument :

BNA_F

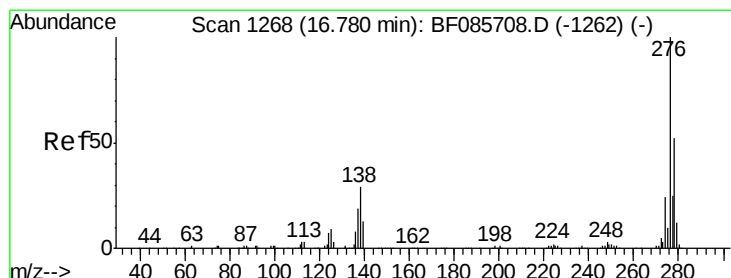
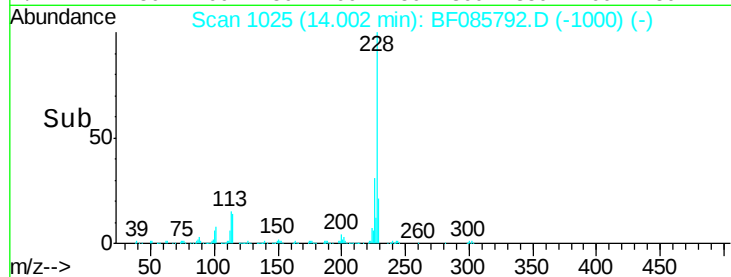
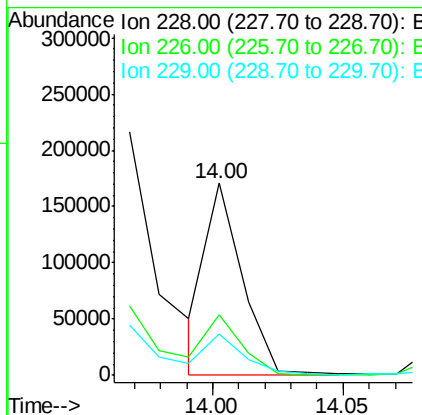
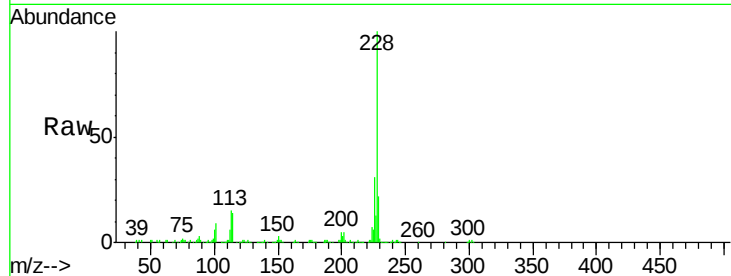
ClientSampled :

SB-1A

Tot Ion:	228	Resp:	165032
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	21.8	15.7	23.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.20 ng

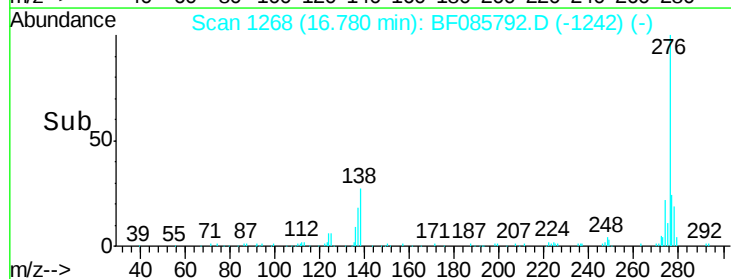
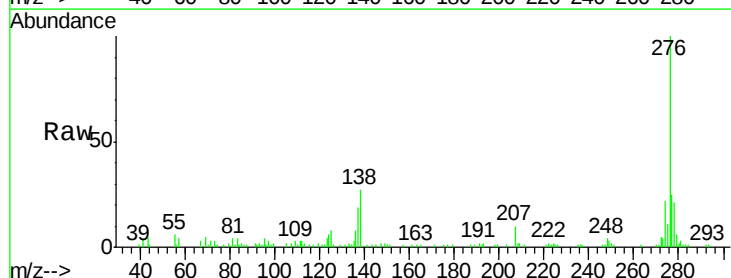
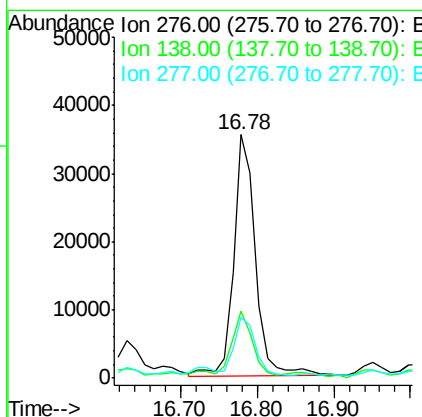
RT: 16.78 min Scan# 1268

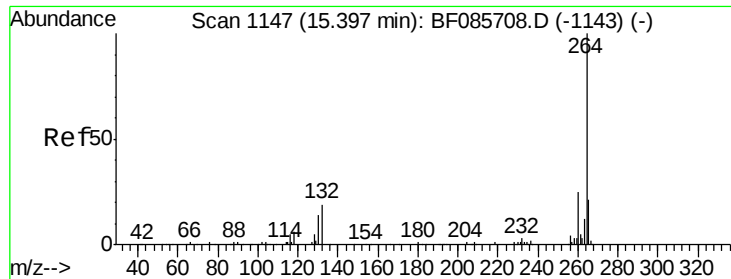
Delta R.T. -0.00 min

Lab File: BF085792.D

Acq: 26 Mar 2016 5:45

Tgt Ion:	276	Resp:	70935
Ion Ratio	Lower	Upper	
276	100		
138	26.7	24.2	36.4
277	26.8	20.0	30.0





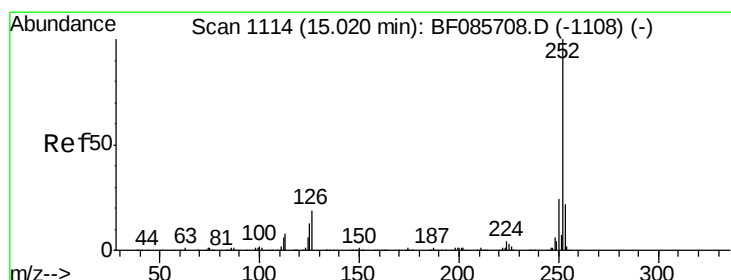
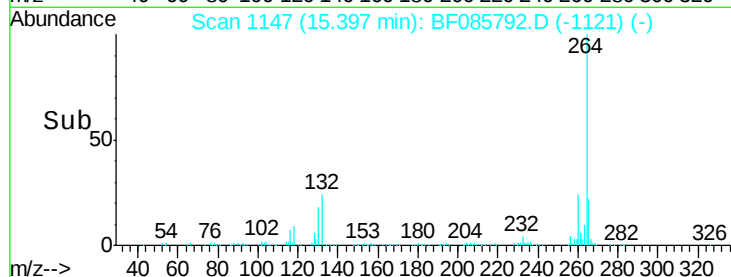
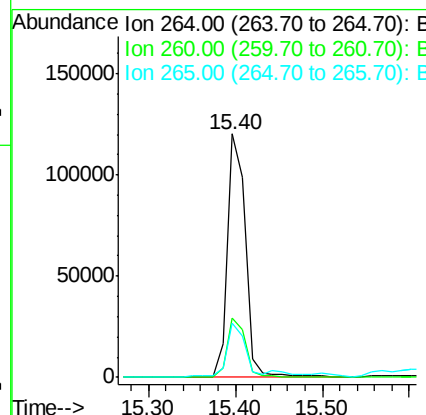
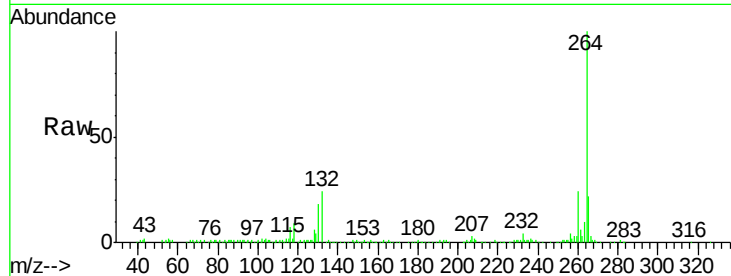
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.3	17.2	25.8

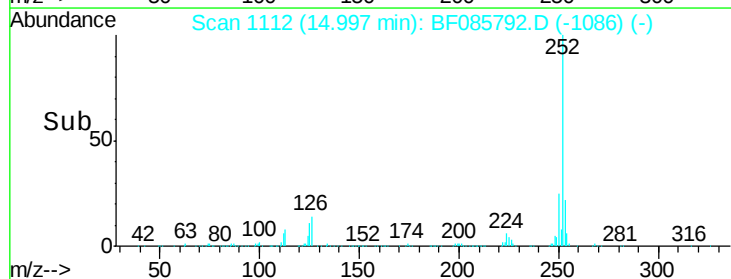
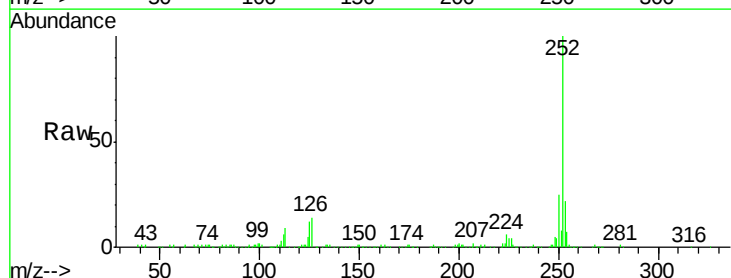
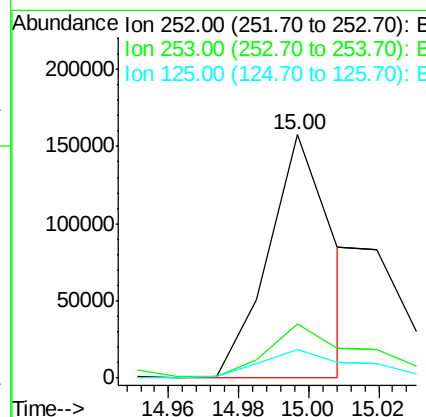
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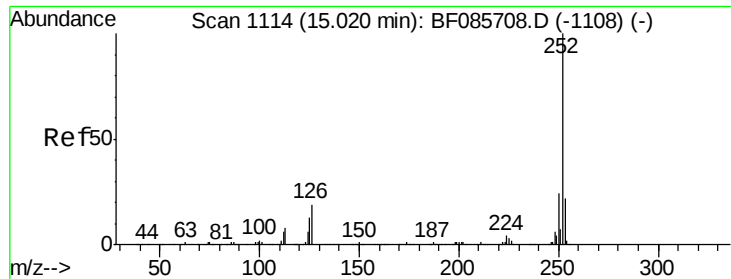
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#87
Benzo(b)fluoranthene
Concen: 18.47 ng m
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.7	10.3	15.5





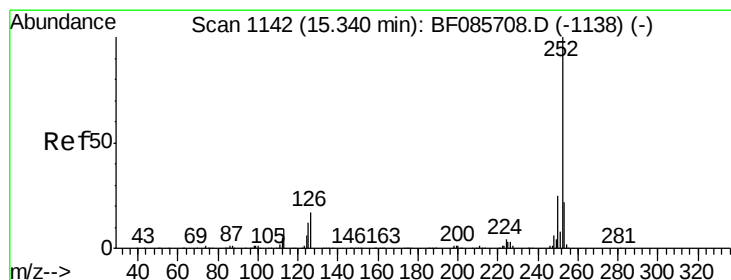
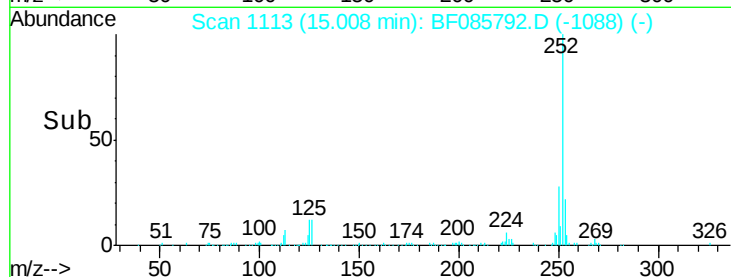
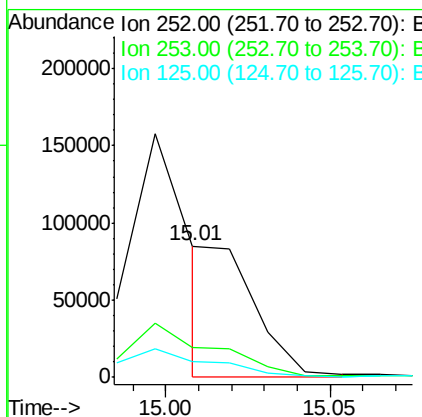
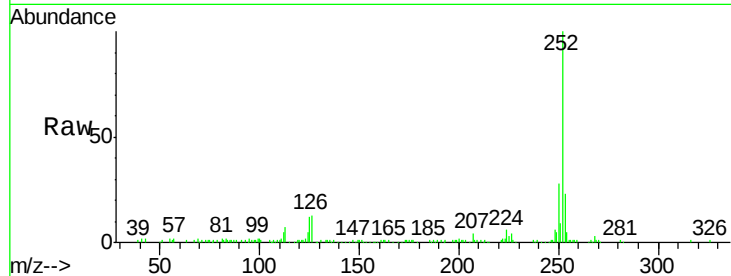
#88
Benzo(k)fluoranthene
Concen: 8.16 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Instrument :
BNA_F
ClientSampleId :
SB-1A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.2	7.7	11.5

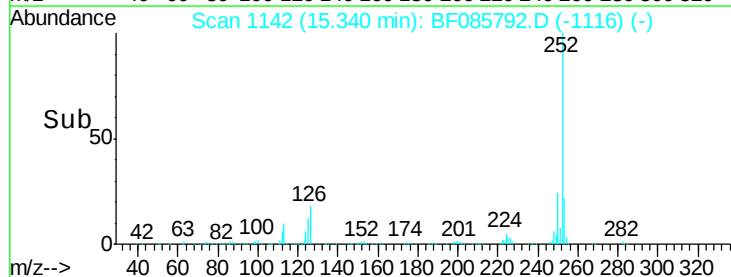
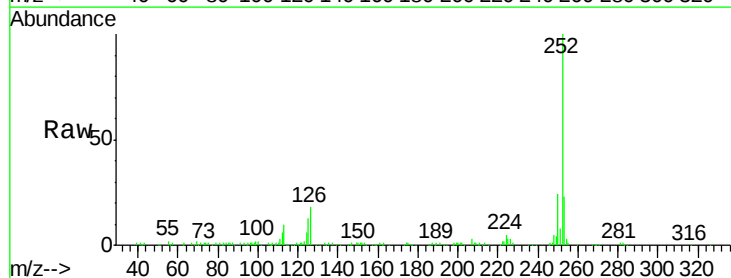
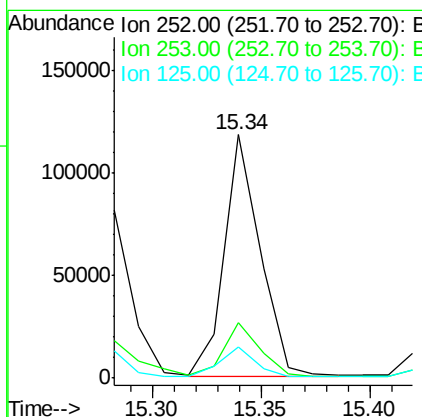
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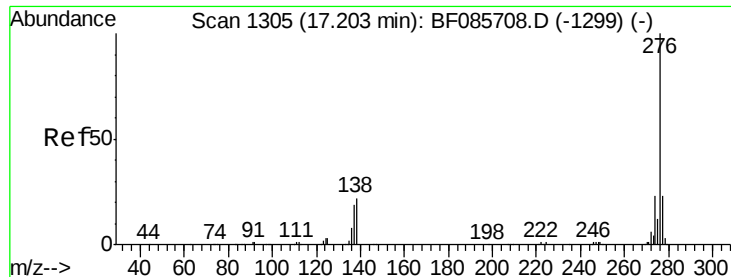
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3/28/2016 8:00:16 PM



#89
Benzo(a)pyrene
Concen: 14.00 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085792.D
Acq: 26 Mar 2016 5:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	12.7	10.3	15.5





#91
 Benzo(a,h,i)perylene
 Concen: 6.86 ng
 RT: 17.20 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF085792.D
 Acq: 26 Mar 2016 5:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-1A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.2	18.8	28.2		
138	24.8	22.6	34.0		

Manual Integrations
 APPROVED

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 3/28/2016 8:00:16 PM

