

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085791.D
 Acq On : 26 Mar 2016 5:17
 Operator : UM/SJ
 Sample : H1855-02DL 2X
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

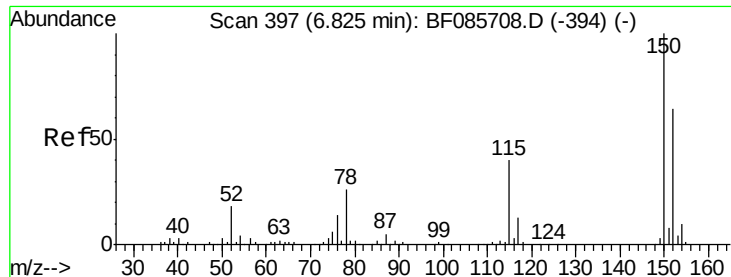
Manual Integrations
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 3/28/2016 8:00:13 PM

Quant Time: Mar 26 06:19:24 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	110219	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	383491	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	158407	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	256284	20.00	ng	0.00
75) Chrysene-d12	13.98	240	237492	20.00	ng	0.00
86) Perylene-d12	15.41	264	187967	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	25465	3.85	ng	0.02
7) Phenol-d6	6.47	99	33249	3.95	ng	0.01
23) Nitrobenzene-d5	7.38	82	13925	2.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	4999	3.32	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	27667	2.92	ng	0.00
78) Terphenyl-d14	12.93	244	23049	2.00	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	54139	4.50	ng	98
70) Phenanthrene	11.37	178	309889	23.55	ng	98
71) Anthracene	11.42	178	78712	5.70	ng	97
72) Carbazole	11.58	167	32283	2.78	ng	99
74) Fluoranthene	12.56	202	719860	51.47	ng	92
77) Pyrene	12.79	202	642025	32.89	ng	100
80) Benzo(a)anthracene	13.97	228	333905	24.66	ng	97
82) Chrysene	14.00	228	262212m	19.22	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	23663	2.42	ng	99
85) Indeno(1,2,3-cd)pyrene	16.79	276	119190	11.32	ng	# 93
87) Benzo(b)fluoranthene	15.00	252	314480m	26.56	ng	
88) Benzo(k)fluoranthene	15.01	252	141742m	13.28	ng	
89) Benzo(a)pyrene	15.34	252	217980	20.73	ng	96
90) Dibenzo(a,h)anthracene	16.79	278	25672	2.63	ng	# 90
91) Benzo(a,h,i)perylene	17.20	276	108291	10.95	ng	98

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



#1

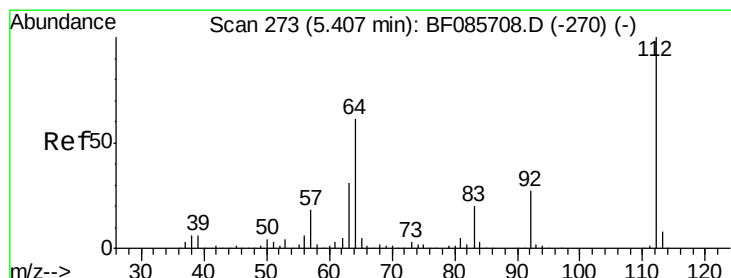
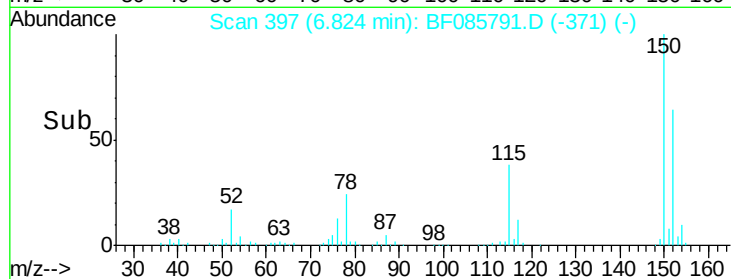
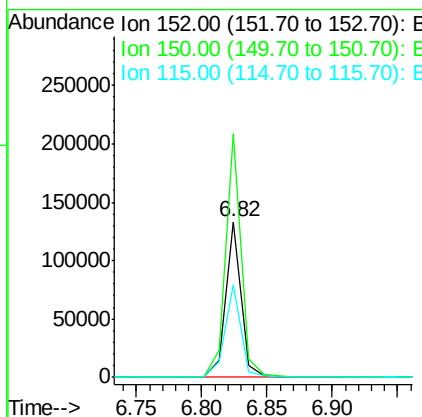
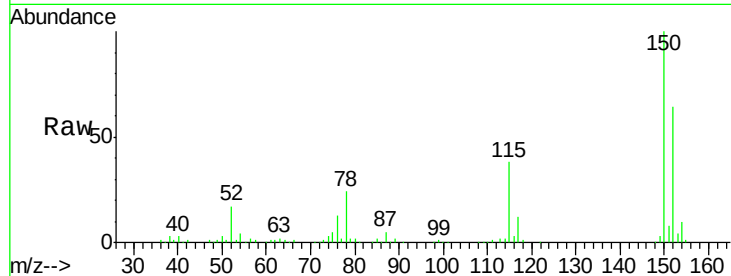
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.2	186.2
115	59.6	47.0	70.6

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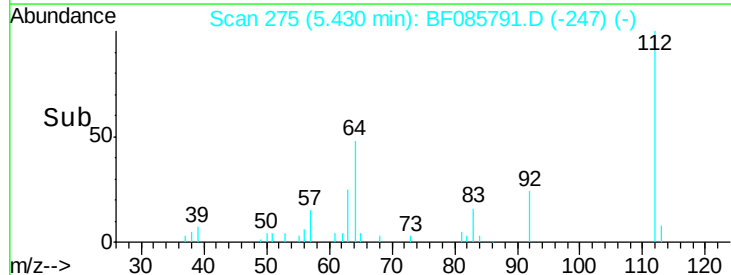
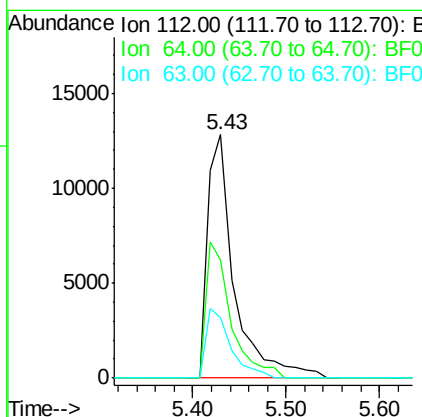
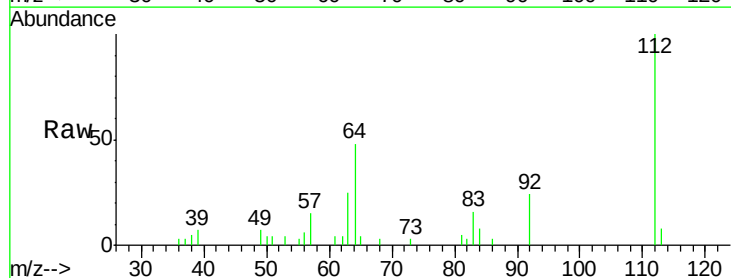
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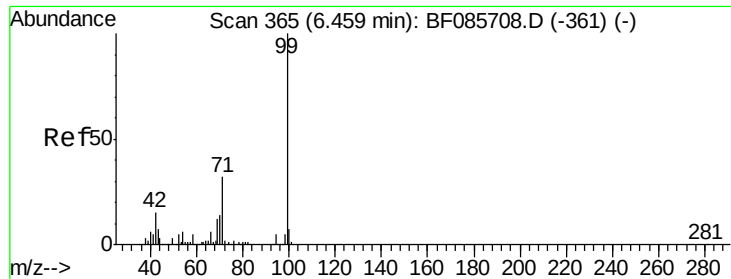


#5

2-Fluorophenol
Concen: 3.85 ng
RT: 5.43 min Scan# 275
Delta R.T. 0.02 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.5	39.9	59.9
63	24.7	20.2	30.2





#7

Phenol-d6

Concen: 3.95 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Instrument :

BNA_F

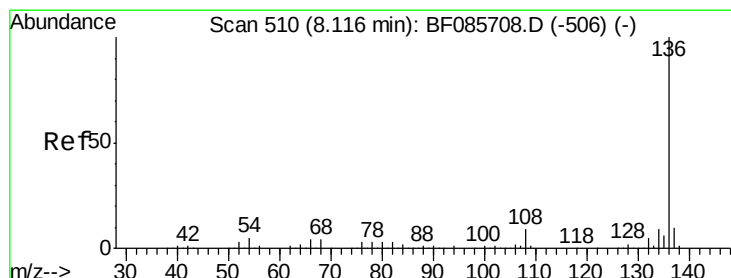
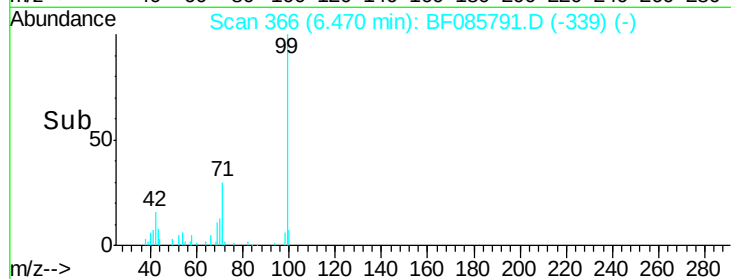
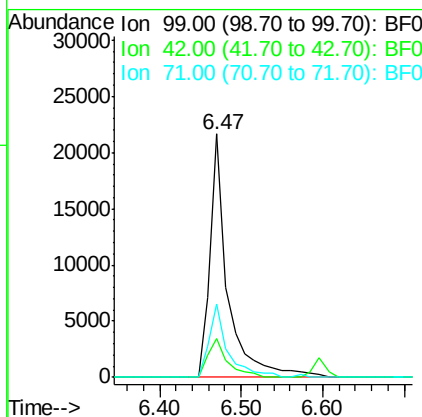
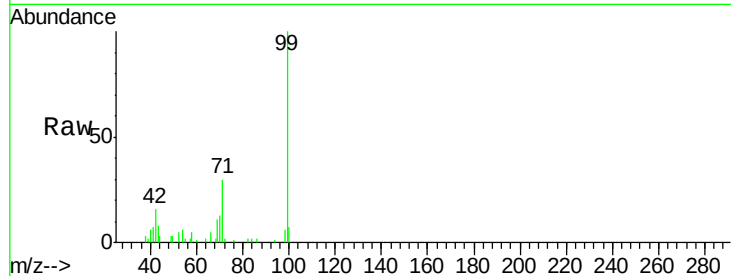
ClientSampled :

SB-1

Tot Ion:	99	Resp:	33249
Ion Ratio	Lower	Upper	
99	100		
42	16.1	11.1	16.7
71	30.0	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

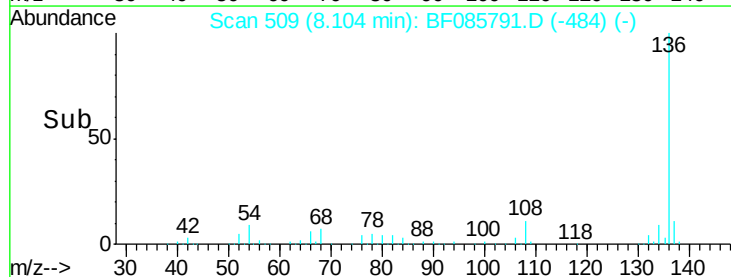
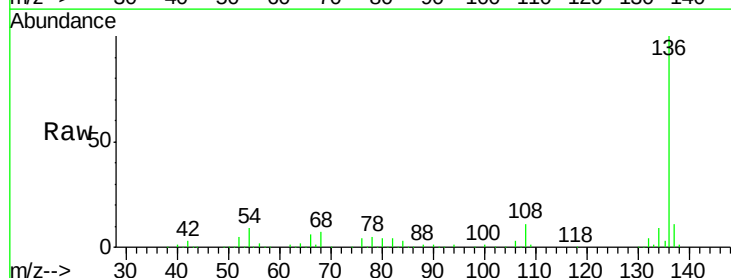
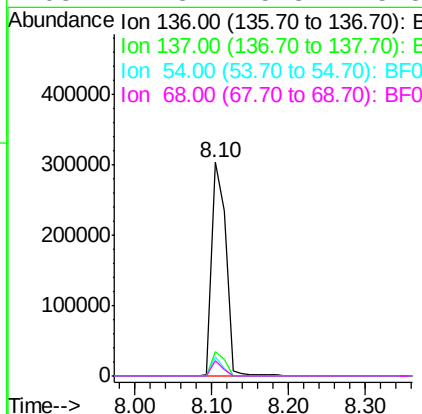
RT: 8.10 min Scan# 509

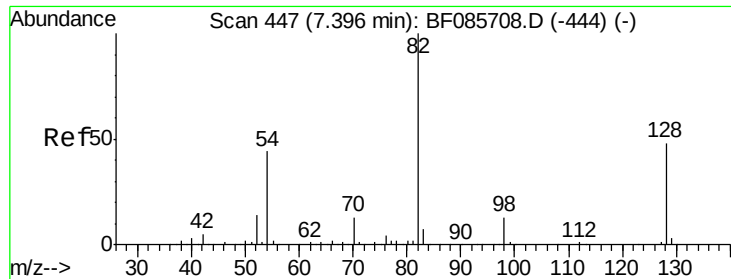
Delta R.T. -0.01 min

Lab File: BF085791.D

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Tgt Ion:	136	Resp:	383491
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.3	7.4	11.0
68	7.3	5.8	8.8





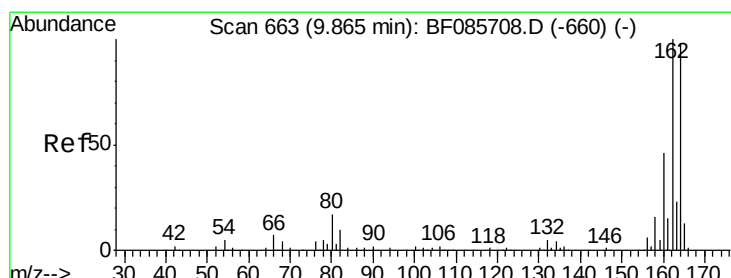
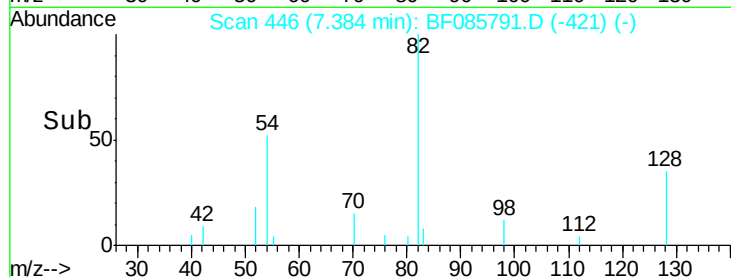
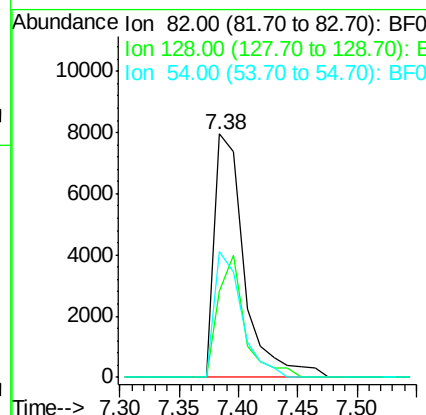
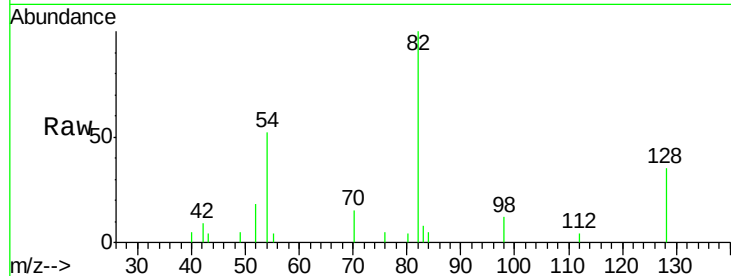
#23
 Nitrobenzene-d5
 Concen: 2.04 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Instrument :
 BNA_F
 ClientSampled :
 SB-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.3	41.8	62.8#
54	51.9	33.4	50.0#

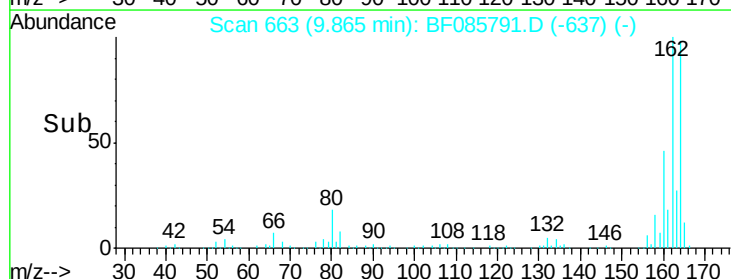
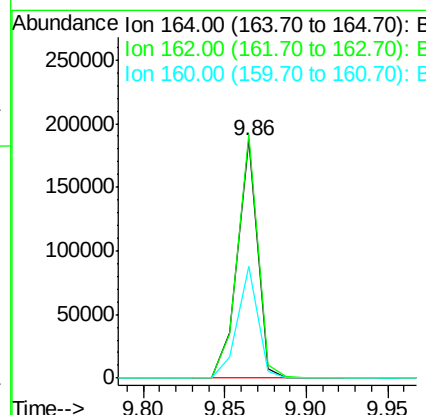
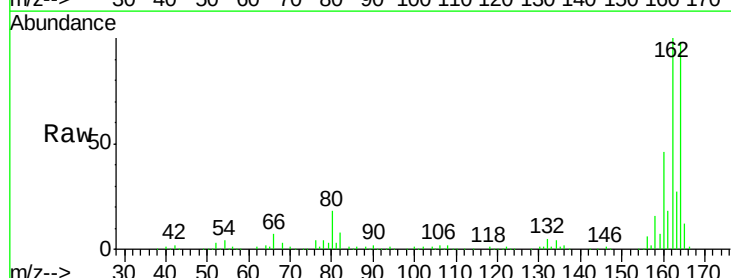
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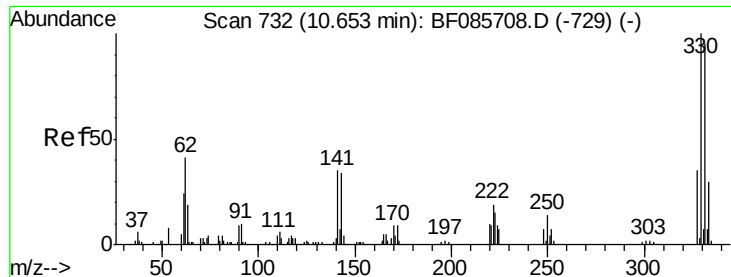
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.1	123.1
160	47.0	37.4	56.2





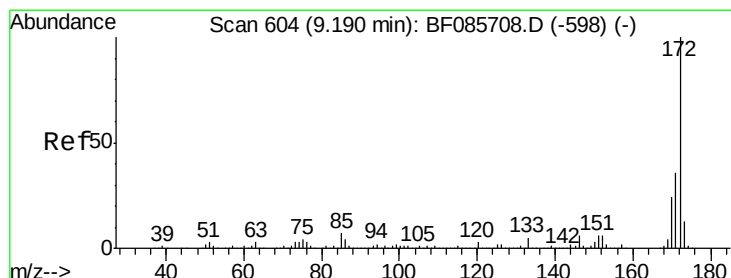
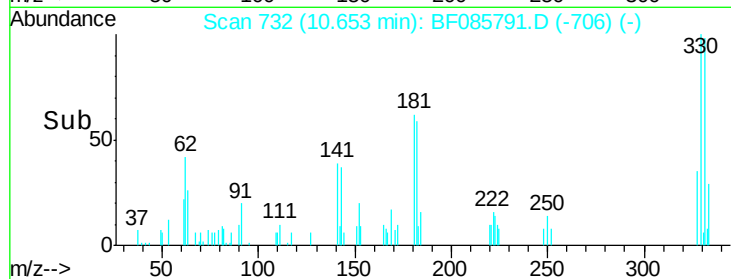
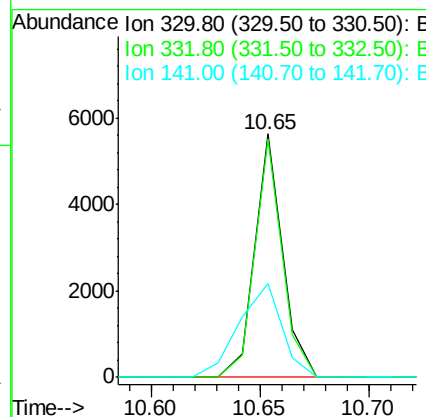
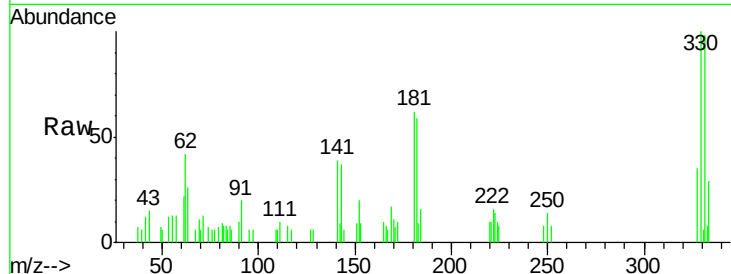
#41
 2,4,6-Tribromophenol
 Concen: 3.32 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Instrument :
 BNA_F
 ClientSampled :
 SB-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.2	117.2
141	59.9	31.5	47.3

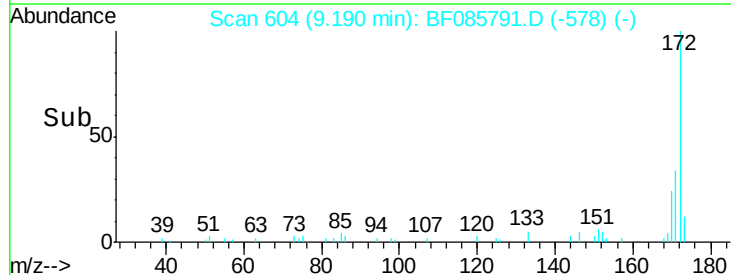
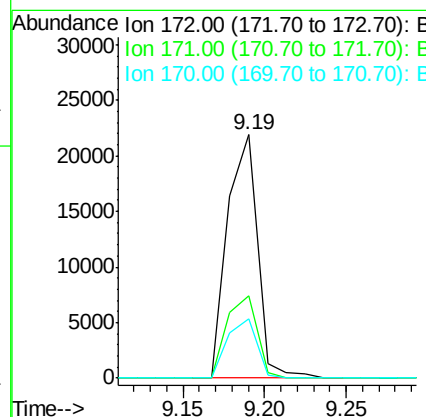
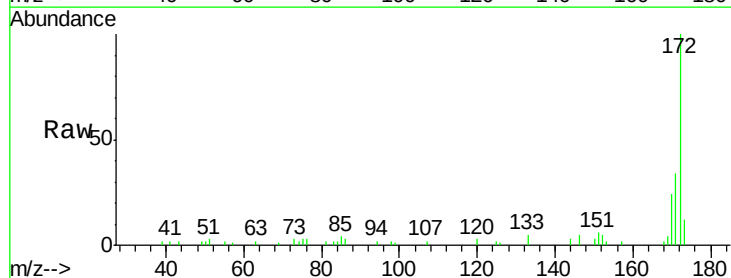
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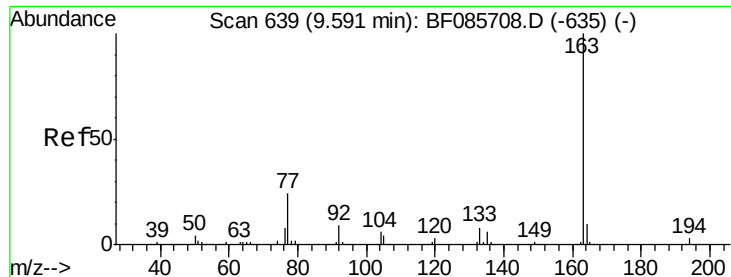
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#44
 2-Fluorobiphenyl
 Concen: 2.92 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.4	44.2
170	24.4	19.8	29.6





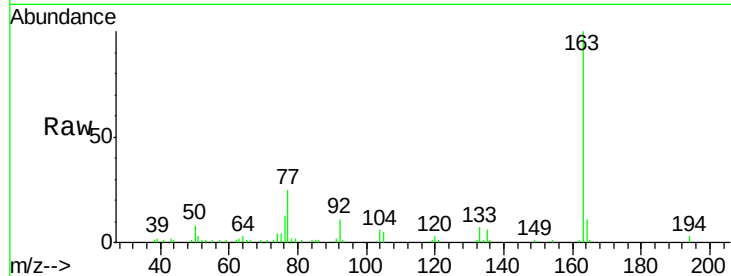
#49
Dimethylphthalate
Concen: 4.50 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Instrument :
BNA_F
ClientSampled :
SB-1

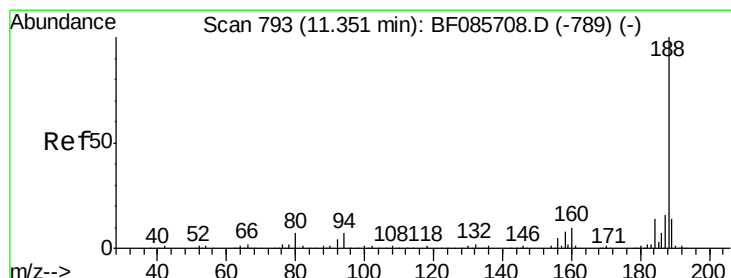
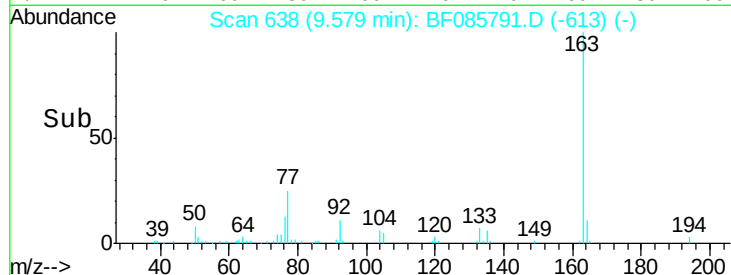
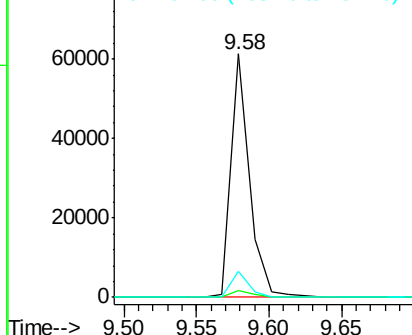
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	2.9	2.9	4.3
164	10.9	8.3	12.5

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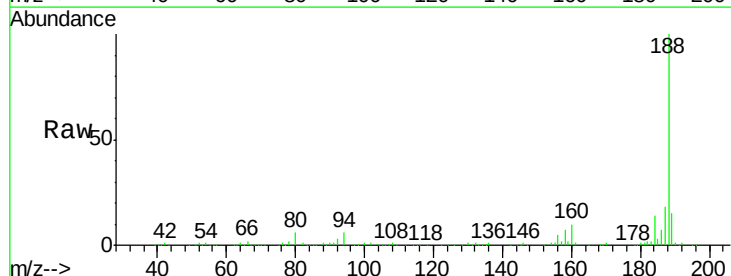


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

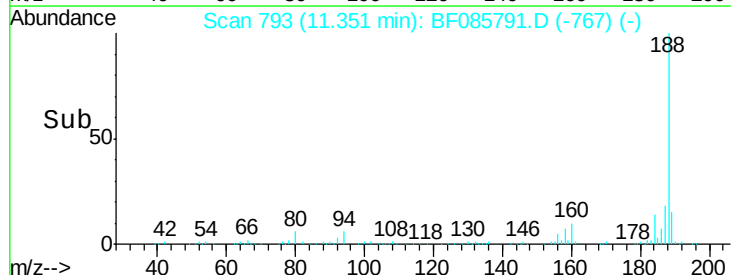
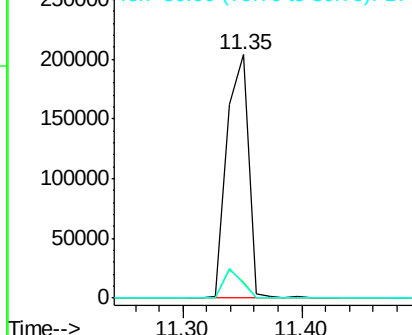


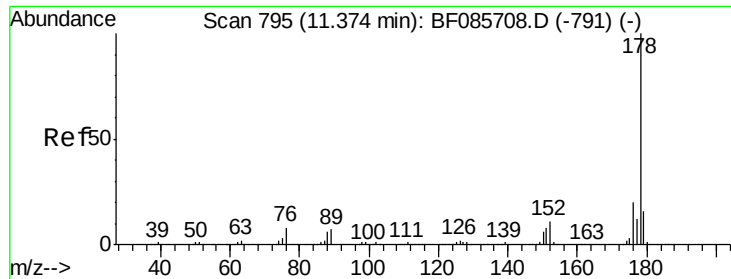
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	6.2	5.4	8.0
80	6.1	5.5	8.3



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





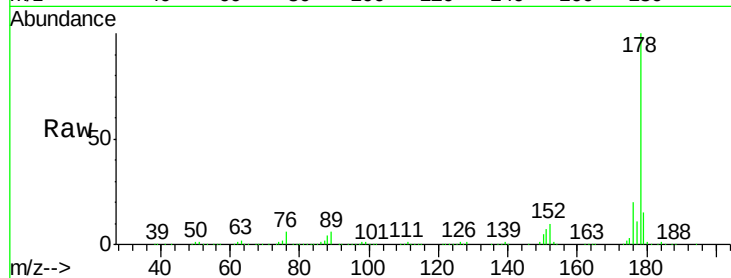
#70
Phenanthrene
Concen: 23.55 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Instrument :
BNA_F
ClientSampled :
SB-1

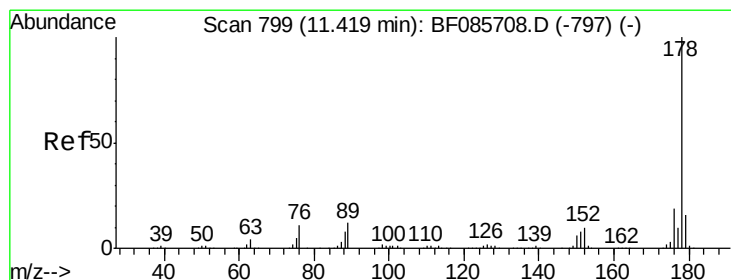
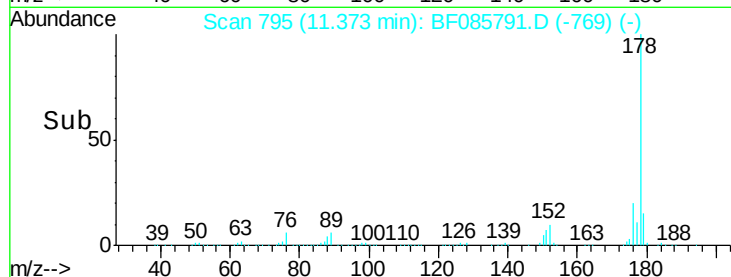
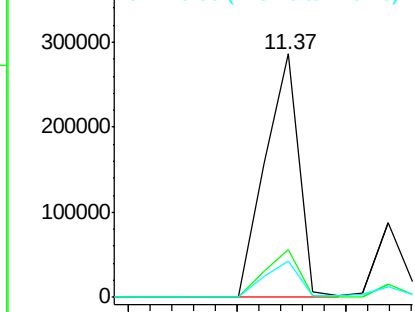
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	14.9	12.6	18.8

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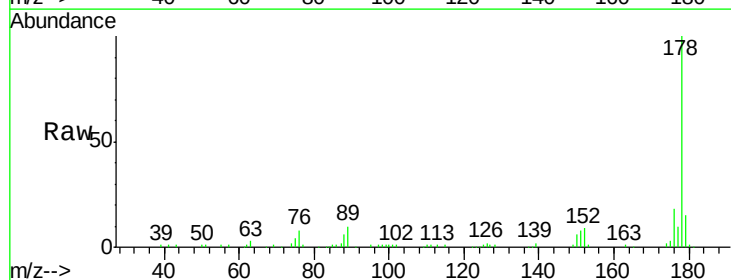


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

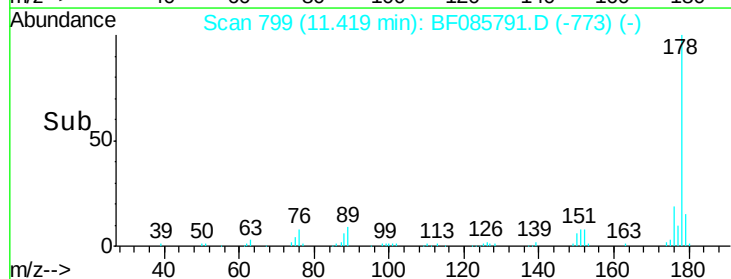
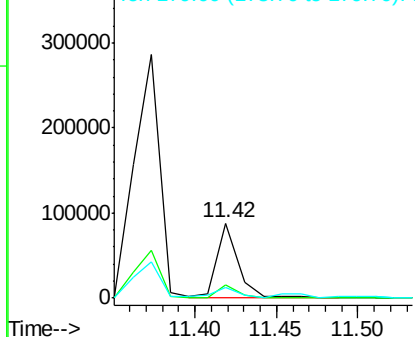


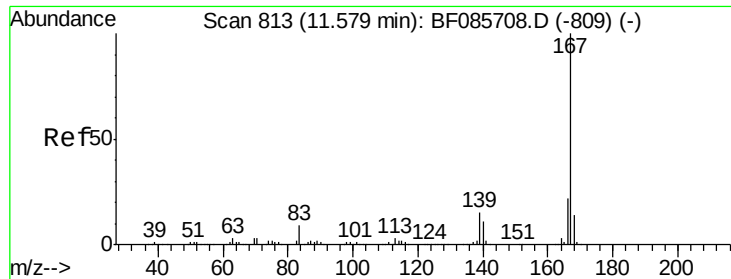
#71
Anthracene
Concen: 5.70 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	14.9	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





#72

Carbazole

Concen: 2.78 ng

RT: 11.58 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Instrument :

BNA_F

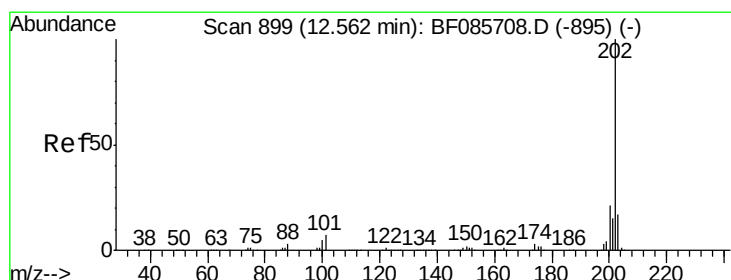
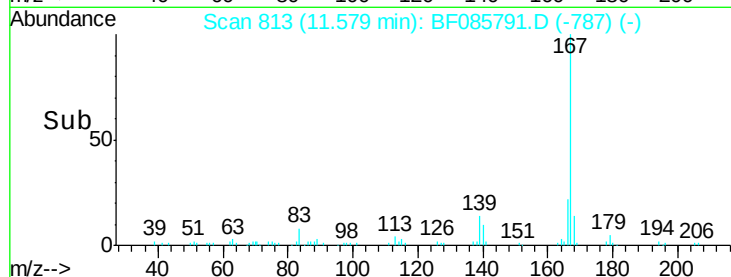
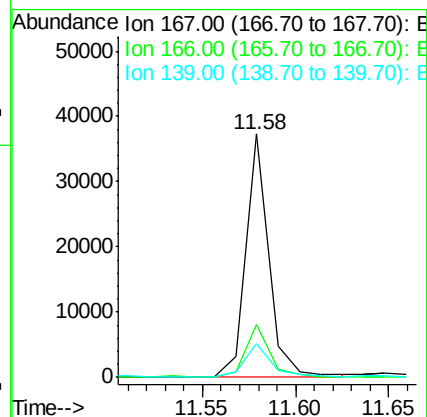
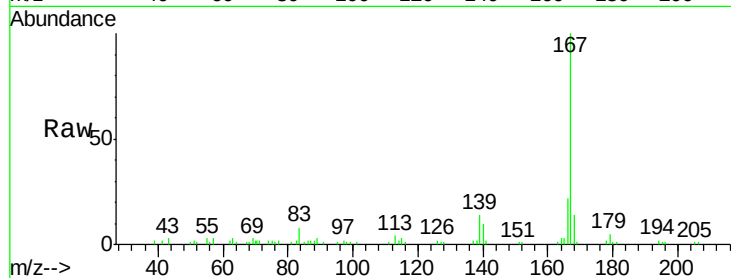
ClientSampled :

SB-1

Tot Ion:	167	Resp:	32283
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.8	26.8
139	14.1	11.6	17.4

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#74

Fluoranthene

Concen: 51.47 ng

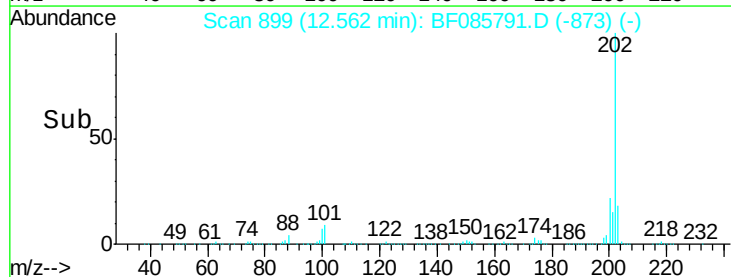
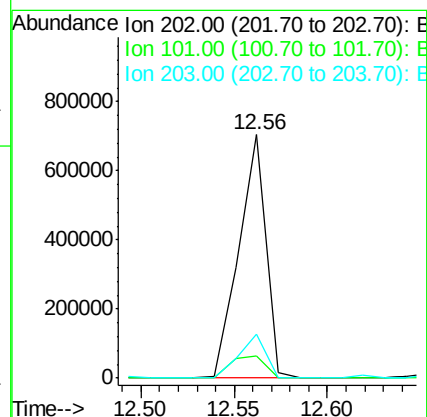
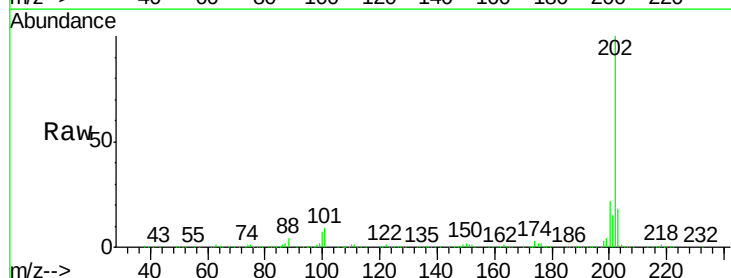
RT: 12.56 min Scan# 899

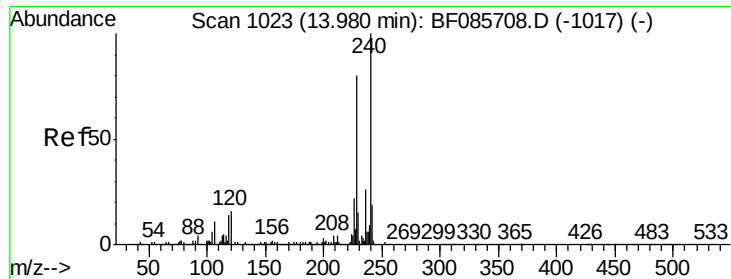
Delta R.T. -0.00 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Tgt Ion:	202	Resp:	719860
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	36.6
203	18.0	0.0	38.1





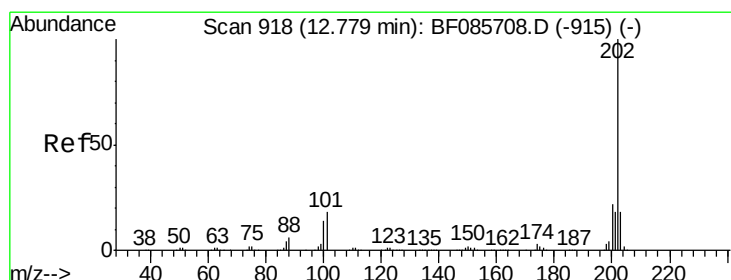
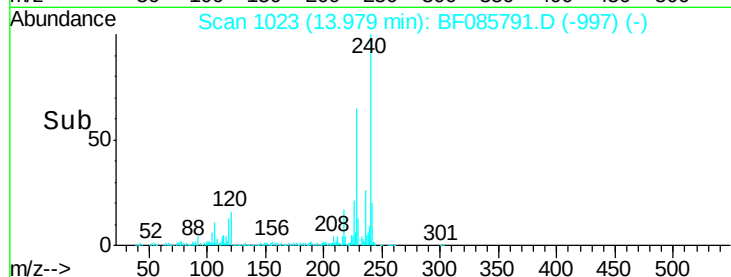
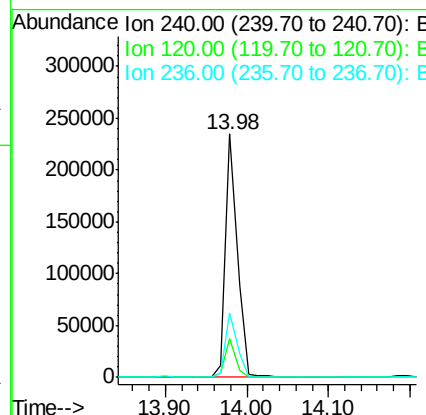
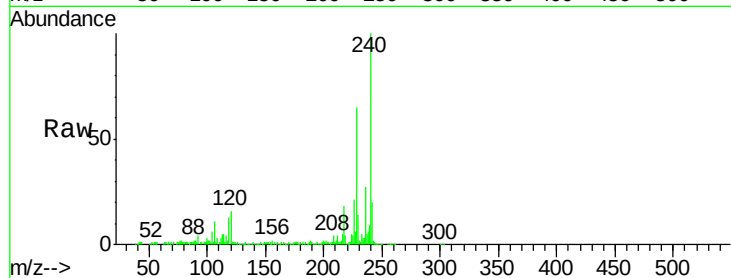
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.0	13.8	20.8
236	26.7	20.6	30.8

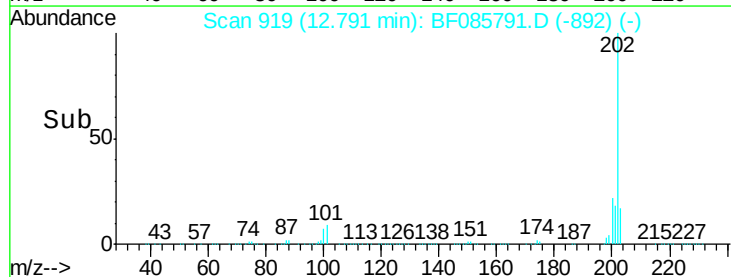
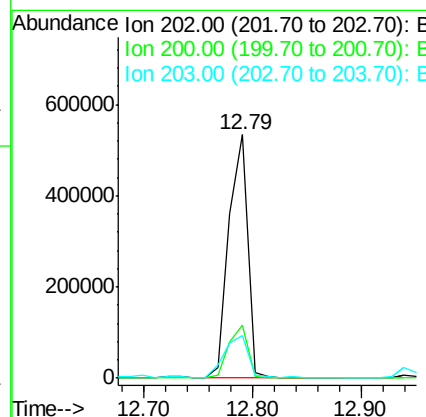
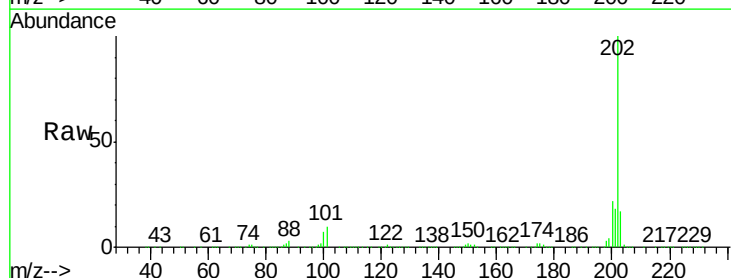
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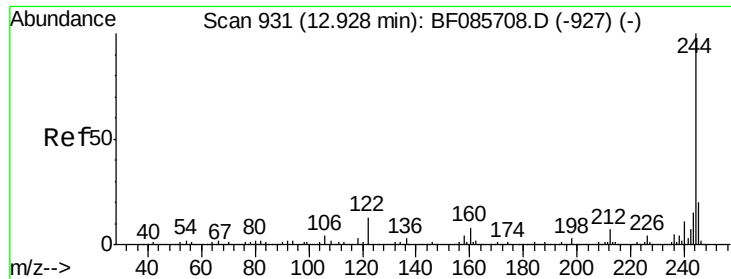
Sohil
3/28/2016 8:00:13 PM



#77
Pyrene
Concen: 32.89 ng
RT: 12.79 min Scan# 919
Delta R.T. 0.01 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	17.4	14.0	21.0





#78

Terphenyl-d14

Concen: 2.00 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Instrument :

BNA_F

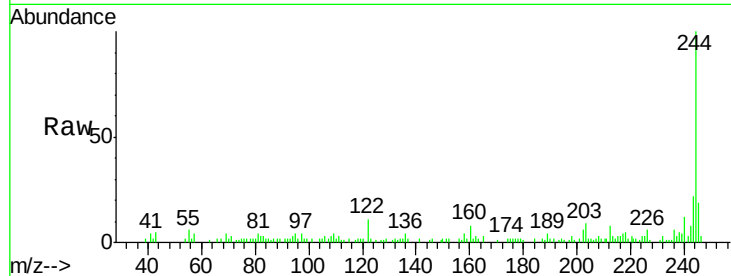
ClientSampleId :

SB-1

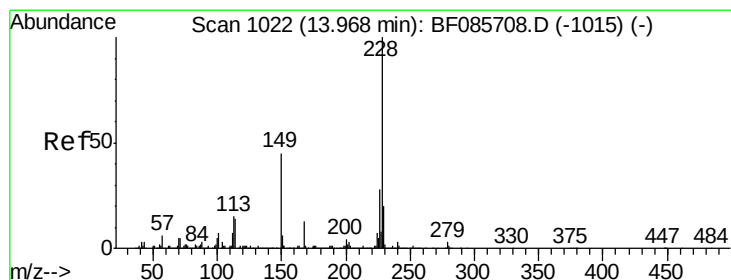
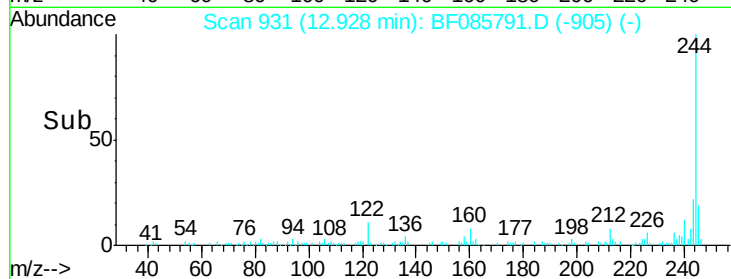
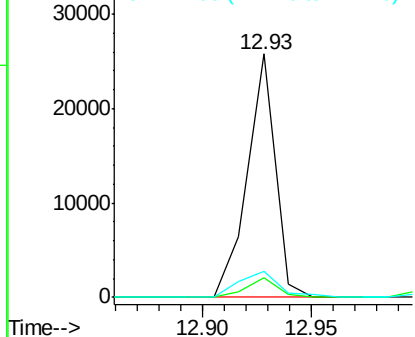
Tot Ion:	244	Resp:	23049
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.1	9.1
122	10.5	10.2	15.4

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



#80

Benzo(a)anthracene

Concen: 24.66 ng

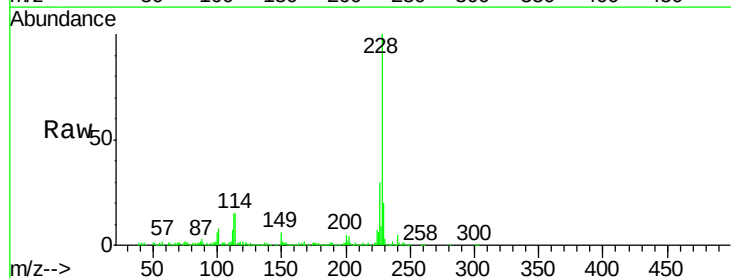
RT: 13.97 min Scan# 1022

Delta R.T. -0.00 min

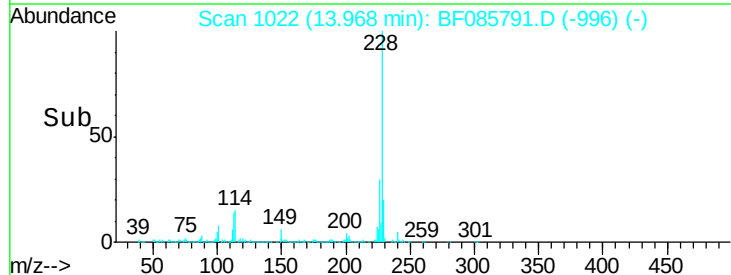
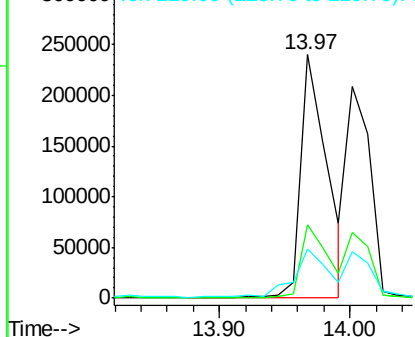
Lab File: BF085791.D

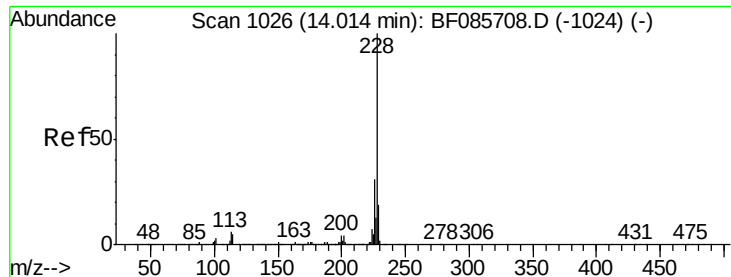
Acq: 26 Mar 2016 5:17

Tgt Ion:	228	Resp:	333905
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.1	33.1
229	20.2	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.22 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Instrument :

BNA_F

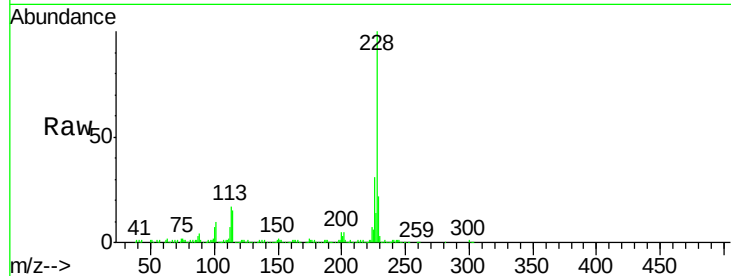
ClientSampleId :

SB-1

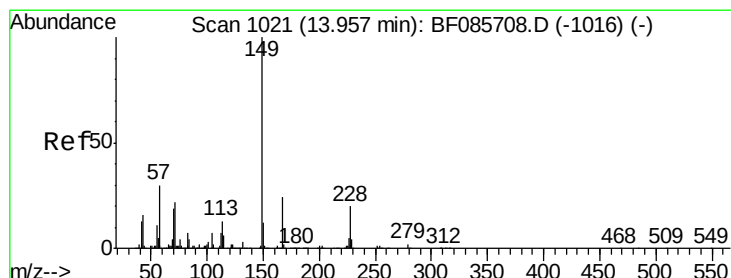
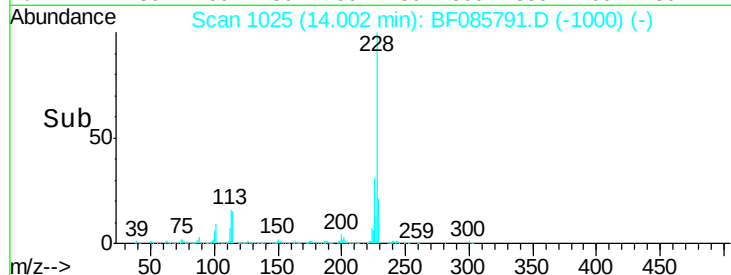
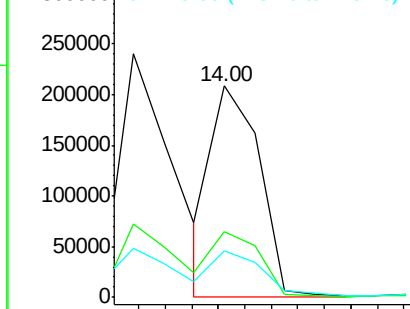
Tot Ion:	228	Resp:	262212
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.0	15.7	23.5

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.42 ng

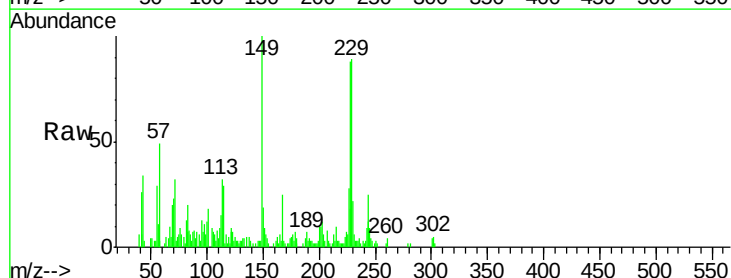
RT: 13.96 min Scan# 1021

Delta R.T. -0.00 min

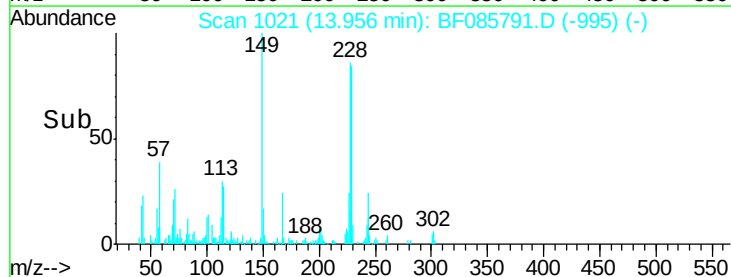
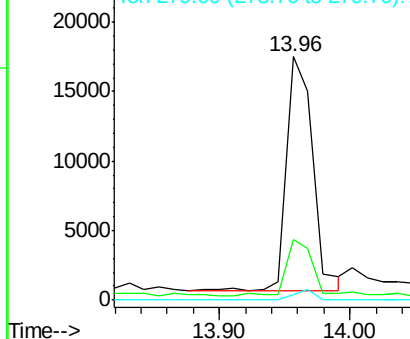
Lab File: BF085791.D

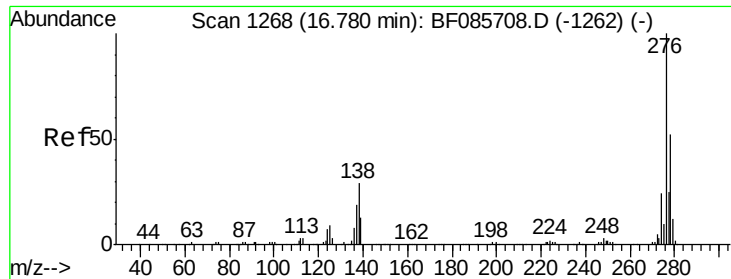
Acq: 26 Mar 2016 5:17

Tgt Ion:	149	Resp:	23663
Ion Ratio	Lower	Upper	
149	100		
167	25.0	19.4	29.2
279	2.3	1.5	2.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





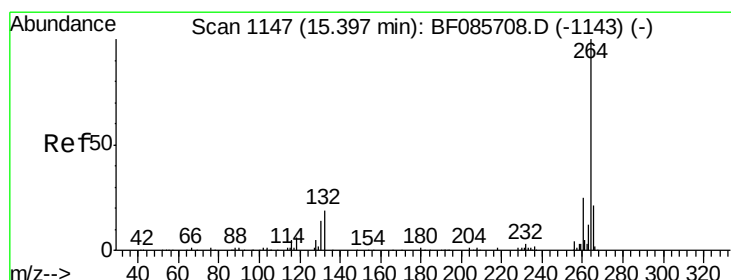
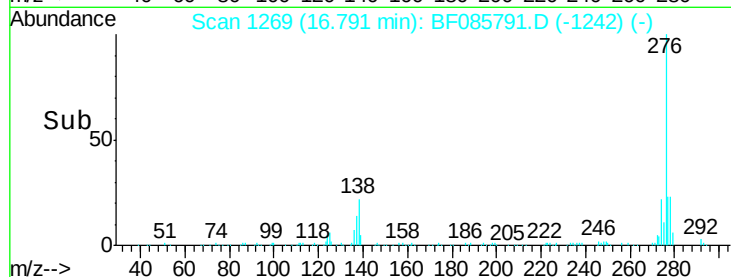
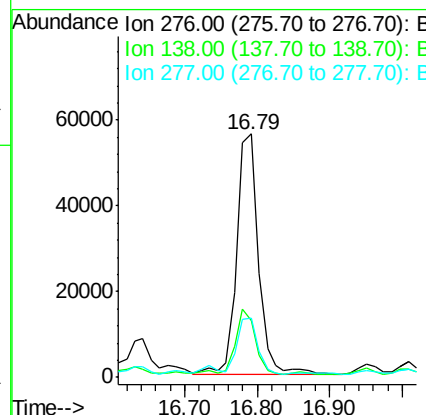
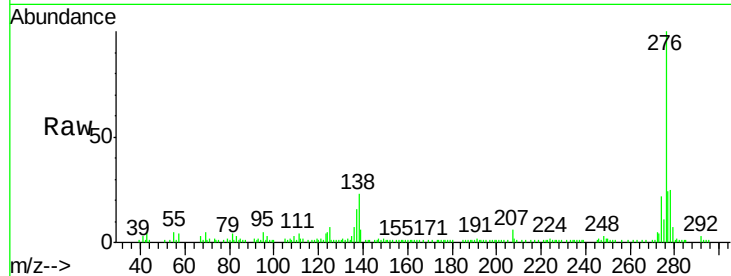
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.32 ng
 RT: 16.79 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	24.2	36.4#
277	25.7	20.0	30.0

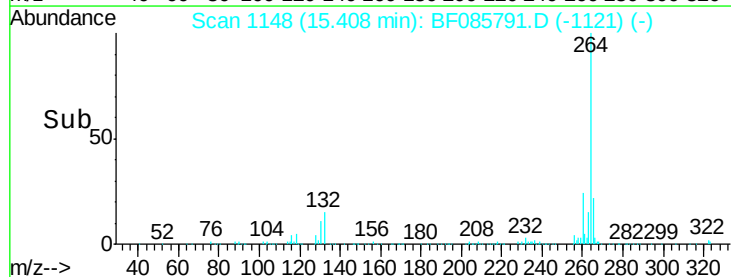
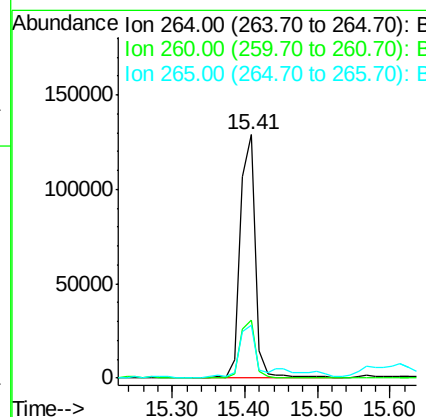
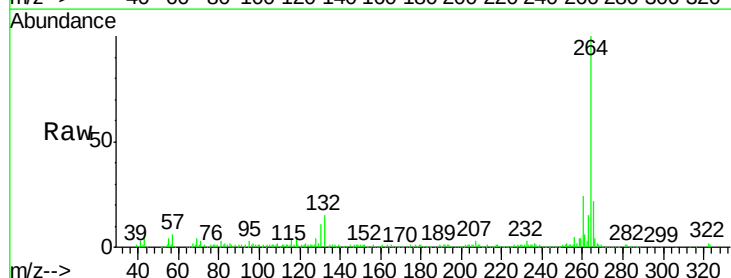
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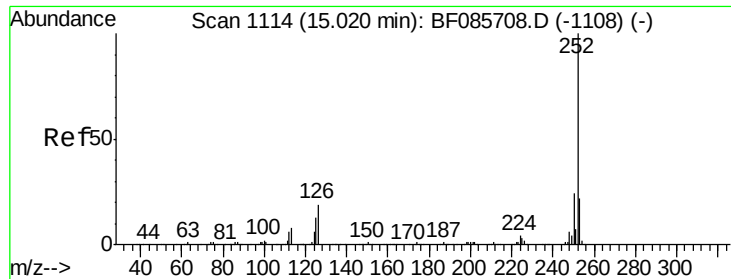
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 3/28/2016 8:00:13 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 26.56 ng m

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Instrument :

BNA_F

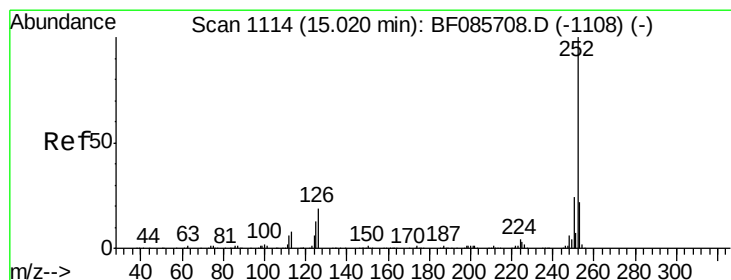
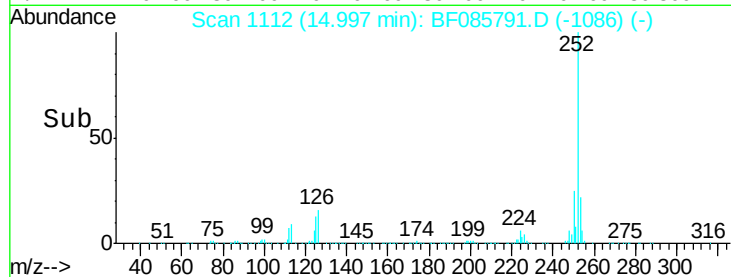
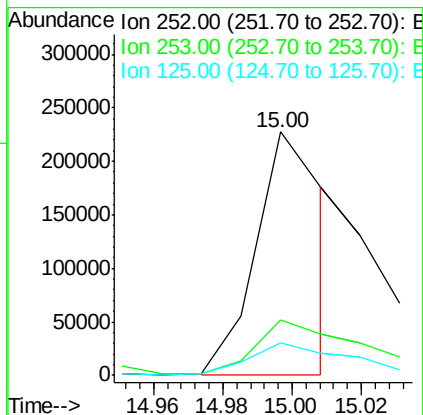
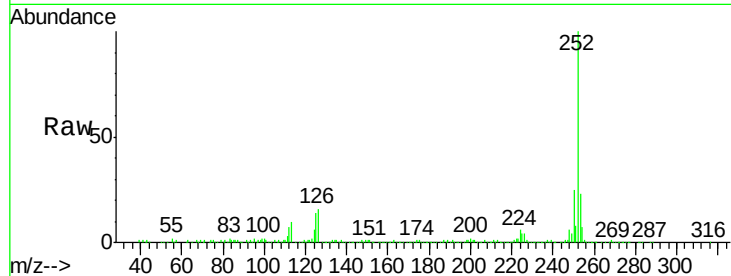
ClientSampleId :

SB-1

Tot Ion:	252	Resp:	314480
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	13.5	10.3	15.5

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#88

Benzo(k)fluoranthene

Concen: 13.28 ng m

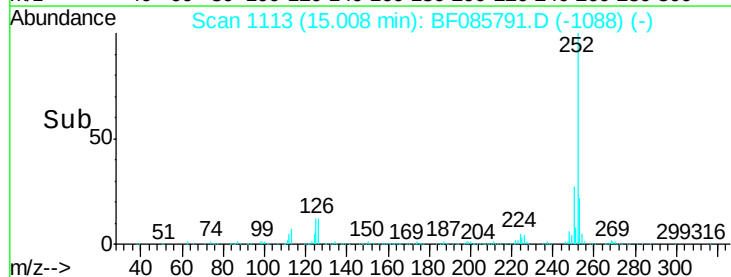
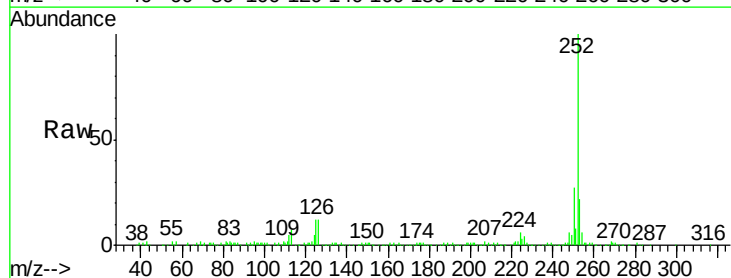
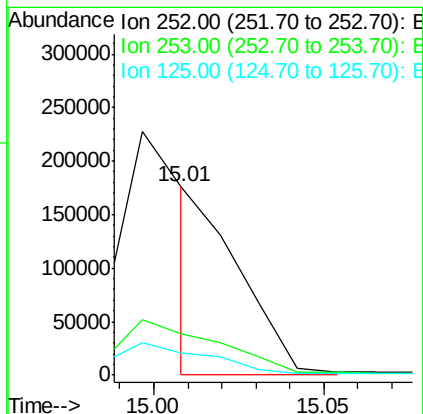
RT: 15.01 min Scan# 1113

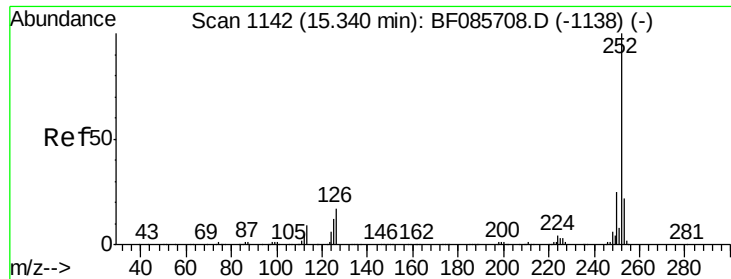
Delta R.T. -0.01 min

Lab File: BF085791.D

Acq: 26 Mar 2016 5:17

Tgt Ion:	252	Resp:	141742
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	12.1	7.7	11.5#





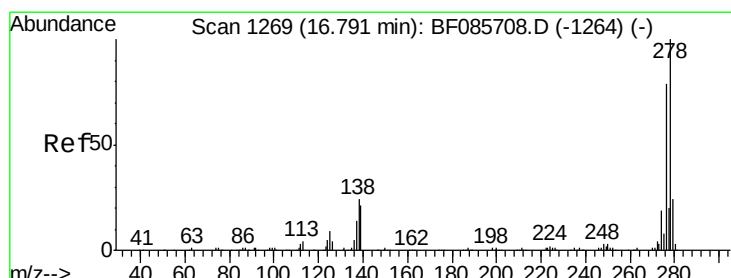
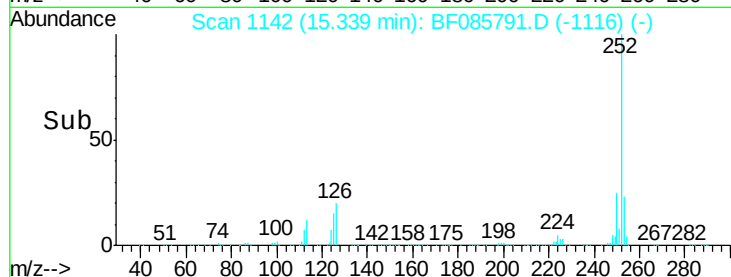
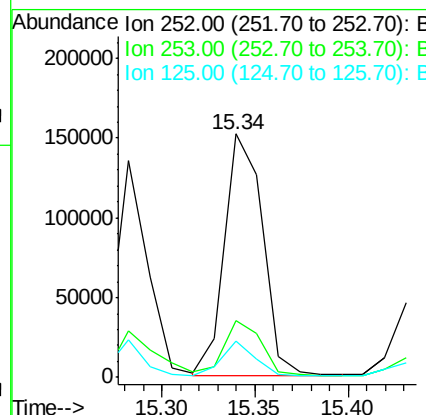
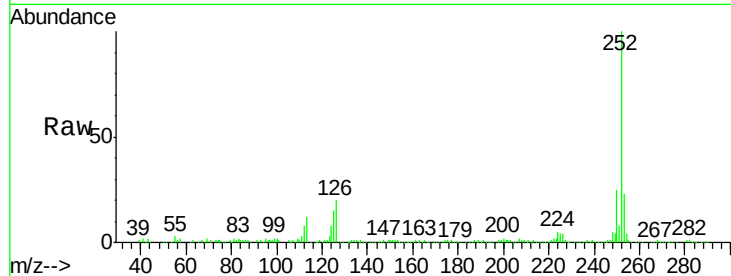
#89
Benzo(a)pyrene
Concen: 20.73 ng
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	217980		
253	23.5		17.4	26.0
125	15.1		10.3	15.5

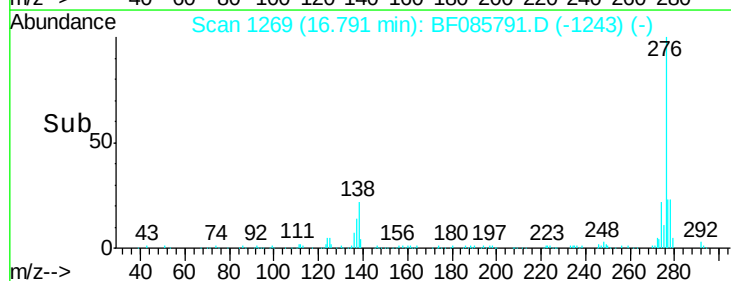
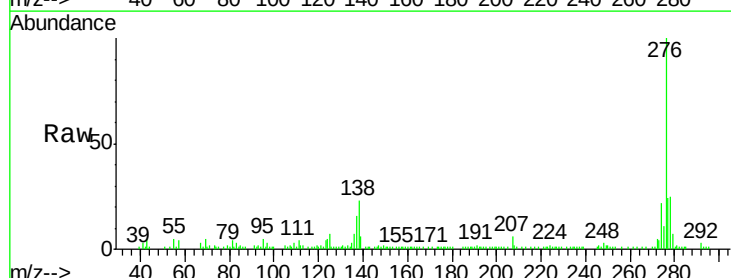
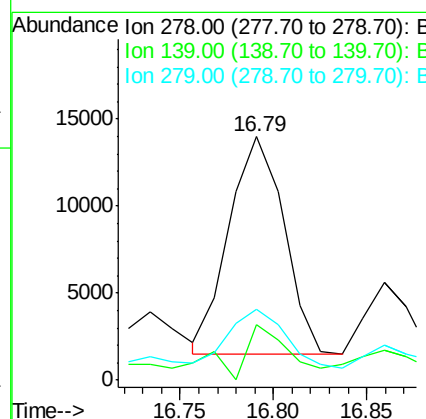
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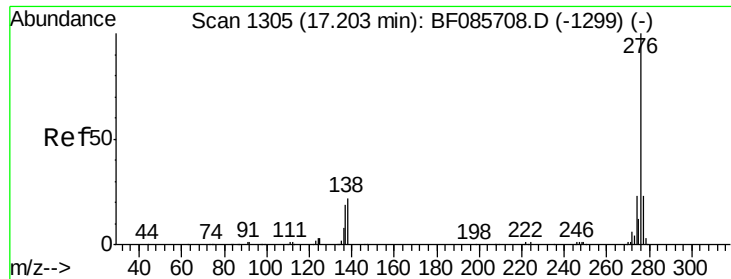
Sohil
3/28/2016 8:00:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.63 ng
RT: 16.79 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BF085791.D
Acq: 26 Mar 2016 5:17

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	25672		
139	22.6		14.4	21.6#
279	29.1		19.1	28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 10.95 ng
 RT: 17.20 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF085791.D
 Acq: 26 Mar 2016 5:17

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Tot Ion:	276	Resp:	108291
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.8	28.2
138	26.2	22.6	34.0

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