

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060716\
 Data File : BF087802.D
 Acq On : 7 Jun 2016 23:19
 Operator : UM/SJ
 Sample : H3379-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Manual Integrations
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Quant Time: Jun 08 05:15:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	99512	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	400991	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	174763	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	284286	20.00	ng	0.00
75) Chrysene-d12	13.98	240	199723	20.00	ng	-0.01
86) Perylene-d12	15.41	264	209524	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	705395	121.18	ng	0.01
7) Phenol-d6	6.48	99	954144	135.25	ng	0.00
23) Nitrobenzene-d5	7.40	82	550743	80.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	207729	112.57	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	999738	90.20	ng	-0.01
78) Terphenyl-d14	12.94	244	679497	77.42	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	253083	19.99	ng	98
51) Acenaphthene	9.91	154	25878	2.31	ng	98
70) Phenanthrene	11.38	178	368253	24.69	ng	98
71) Anthracene	11.43	178	100096	6.65	ng	98
72) Carbazole	11.58	167	31164	2.21	ng	98
74) Fluoranthene	12.56	202	461879	29.34	ng	100
77) Pyrene	12.79	202	446084	30.10	ng	99
80) Benzo(a)anthracene	13.98	228	233469	20.51	ng	99
82) Chrysene	14.01	228	174022m	16.25	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	106916	10.75	ng	# 100
87) Benzo(b)fluoranthene	14.99	252	238437m	16.33	ng	
88) Benzo(k)fluoranthene	15.01	252	99398m	9.02	ng	
89) Benzo(a)pyrene	15.34	252	183590	15.54	ng	99
90) Dibenzo(a,h)anthracene	16.79	278	26666	2.43	ng	92
91) Benzo(a,h,i)perylene	17.19	276	98998	8.77	ng	98

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

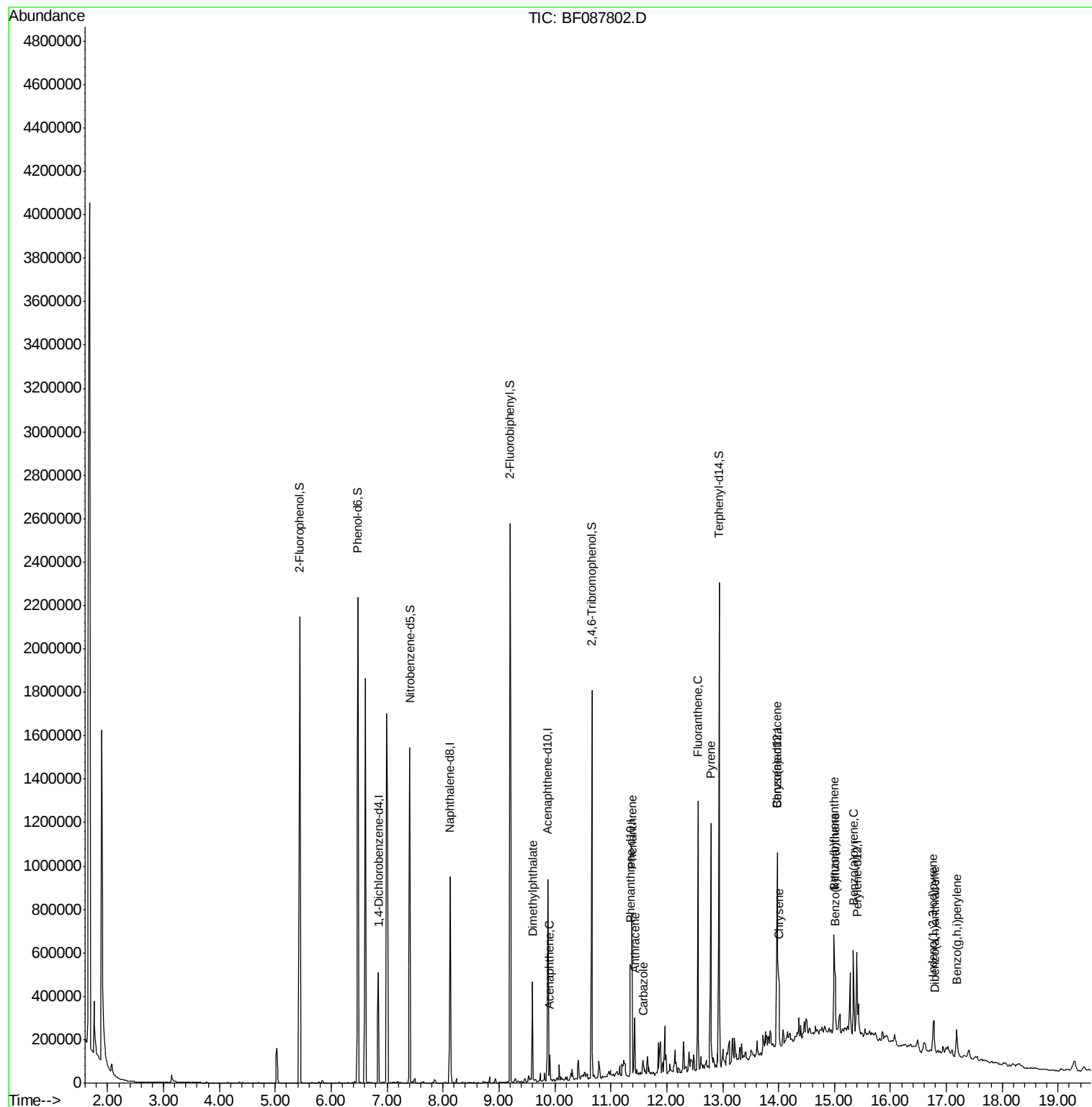
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060716\
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#1

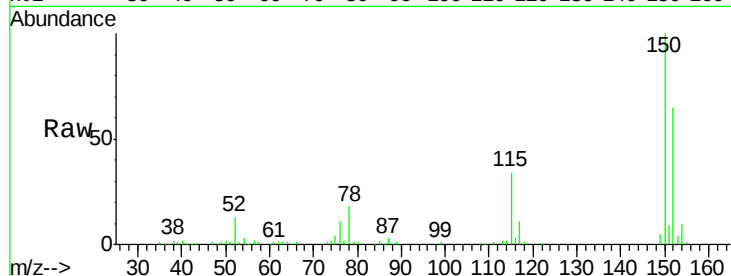
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
SS-4

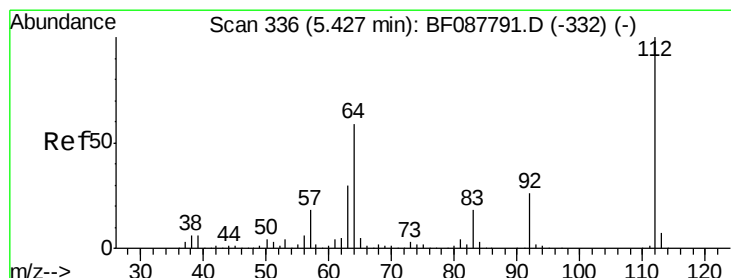
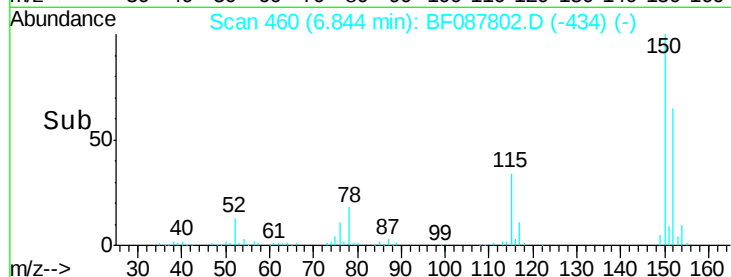
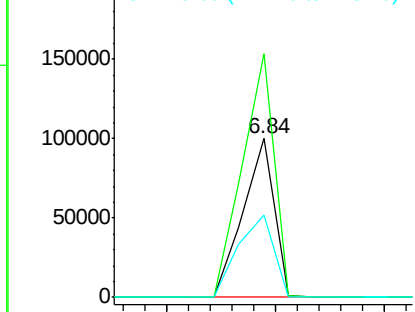
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.6
115	51.5	39.6	59.4

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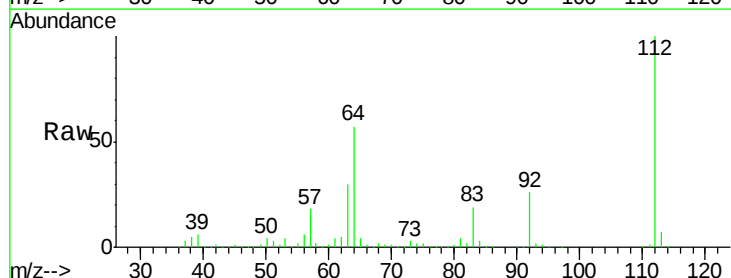
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



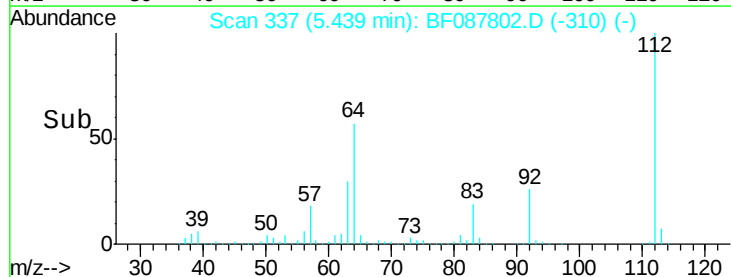
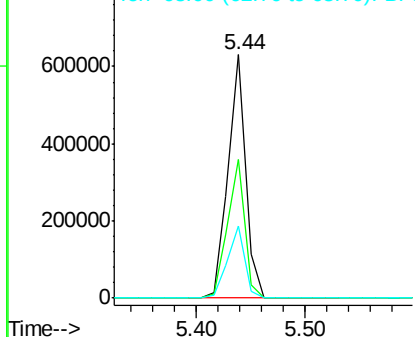
#5

2-Fluorophenol
Concen: 121.18 ng
RT: 5.44 min Scan# 337
Delta R.T. 0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	42.2	63.2
63	29.8	21.8	32.8



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: 135.25 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Instrument :

BNA_F

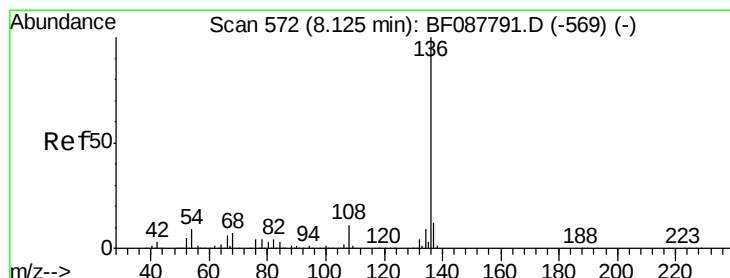
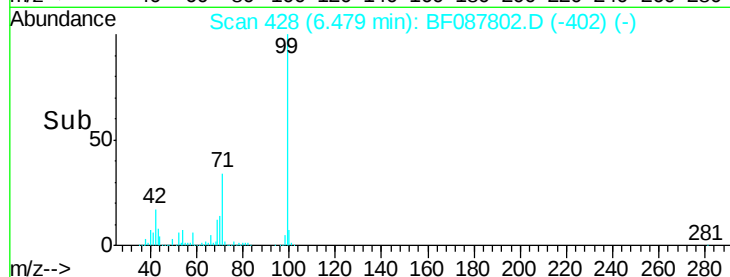
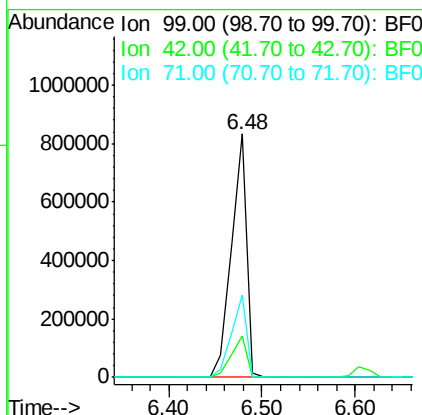
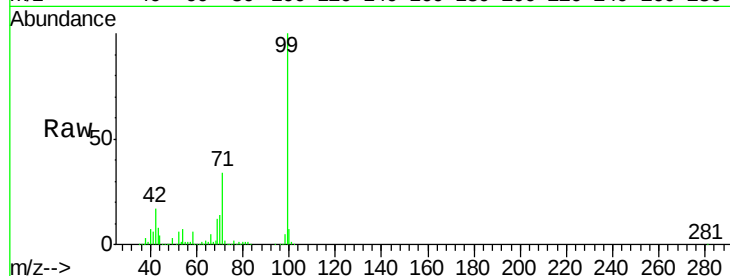
ClientSampleId :

SS-4

Tot Ion:	99	Resp:	954144
Ion Ratio	Lower	Upper	
99	100		
42	16.9	12.2	18.2
71	33.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

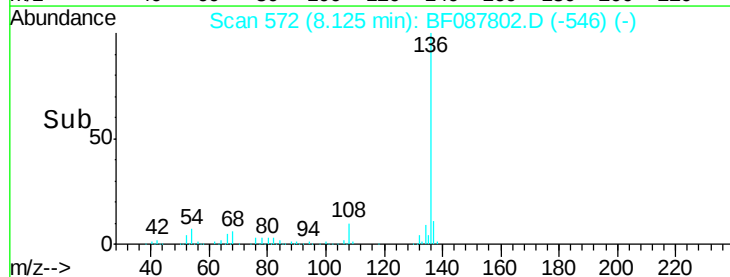
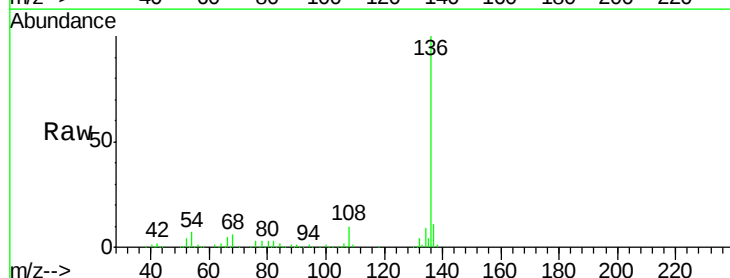
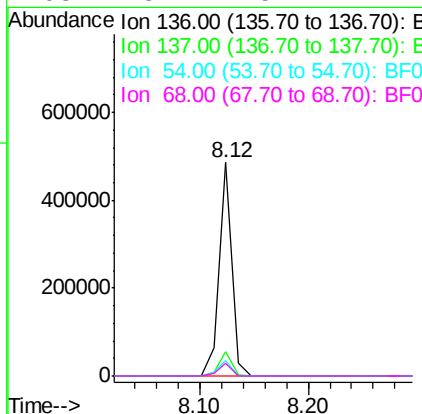
RT: 8.12 min Scan# 572

Delta R.T. -0.00 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Tgt Ion:	136	Resp:	400991
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.0	6.6	10.0
68	5.7	5.1	7.7





#23

Nitrobenzene-d5

Concen: 80.20 ng

RT: 7.40 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Instrument :

BNA_F

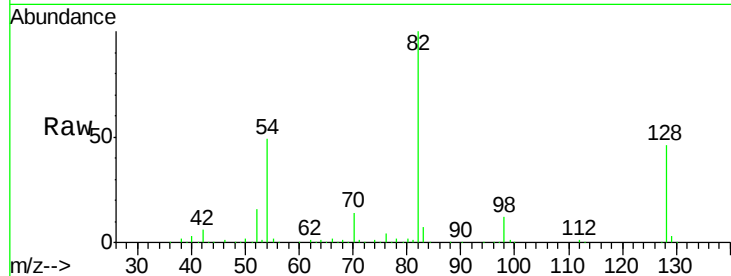
ClientSampled :

SS-4

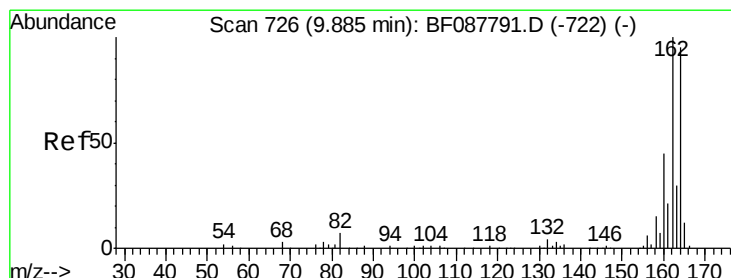
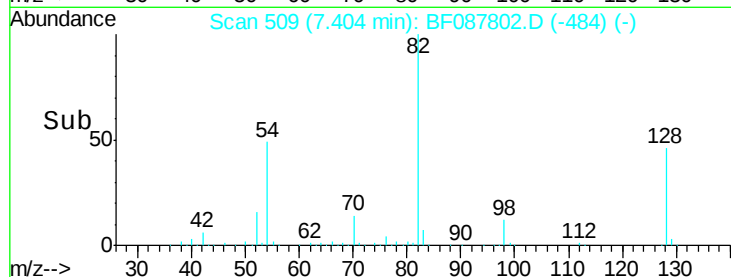
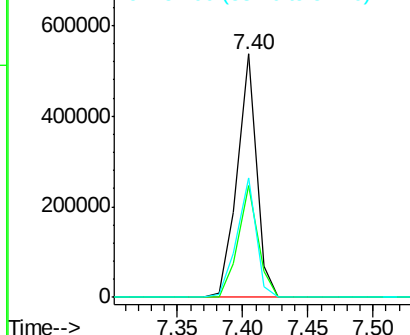
Tot Ion:	82	Resp:	550743
Ion Ratio	Lower	Upper	
82	100		
128	46.0	35.9	53.9
54	49.1	40.9	61.3

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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

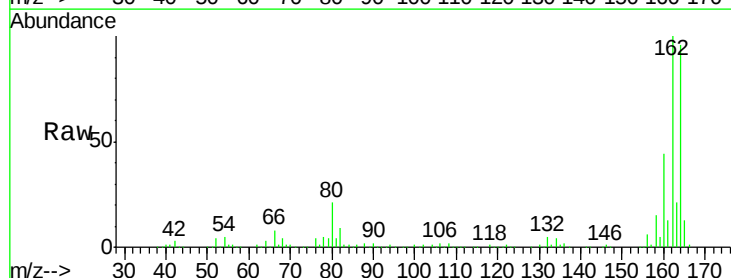
RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

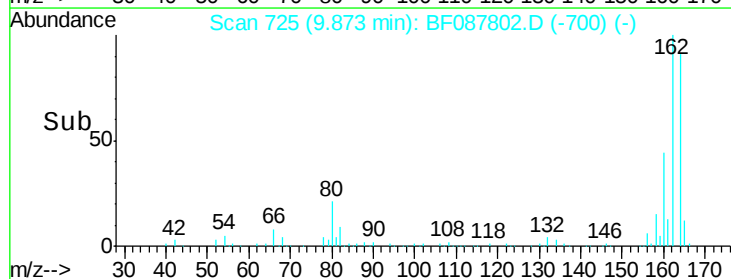
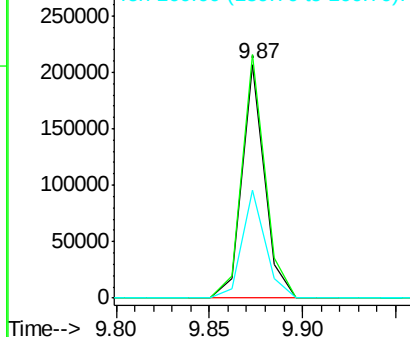
Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Tgt Ion:	164	Resp:	174763
Ion Ratio	Lower	Upper	
164	100		
162	104.1	85.4	128.2
160	45.9	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





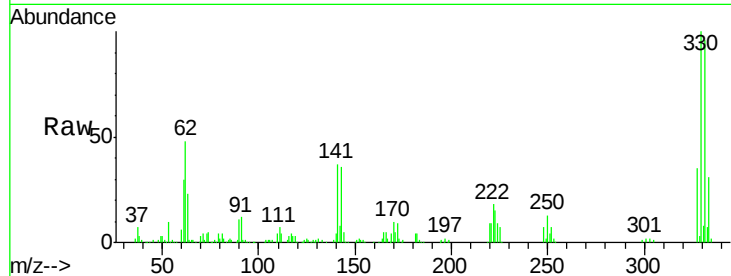
#41
 2,4,6-Tribromophenol
 Concen: 112.57 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 23:19

Instrument :
 BNA_F
 ClientSampleId :
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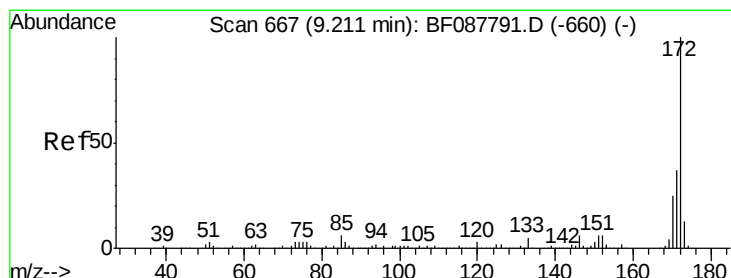
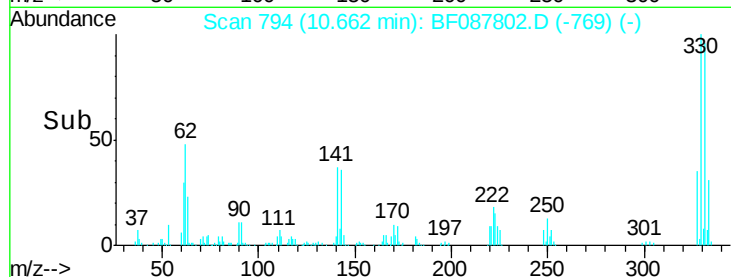
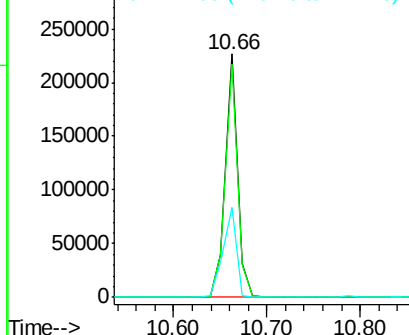
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	40.8	0.0	0.0#

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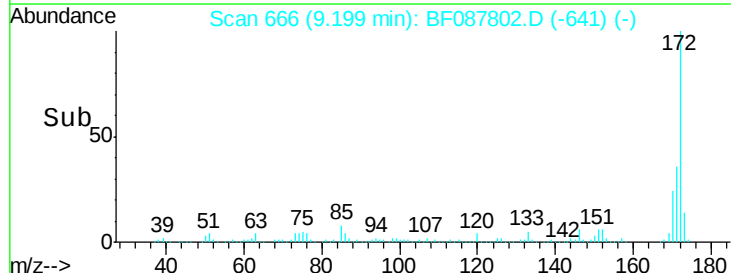
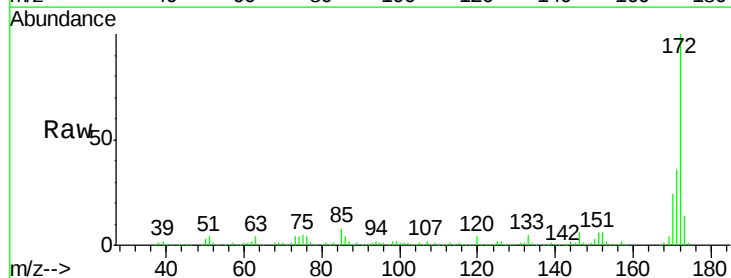
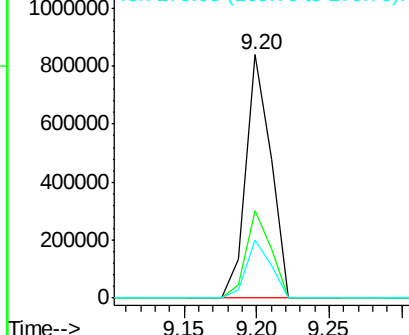
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

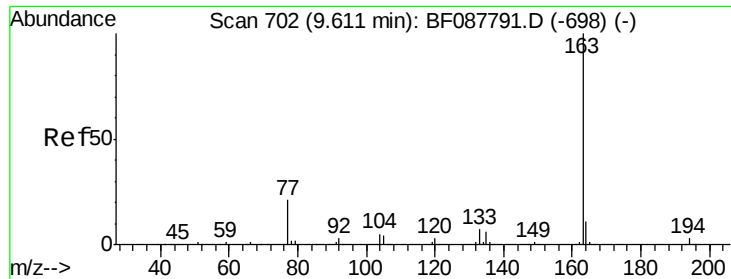


#44
 2-Fluorobiphenyl
 Concen: 90.20 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.0	19.2	28.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





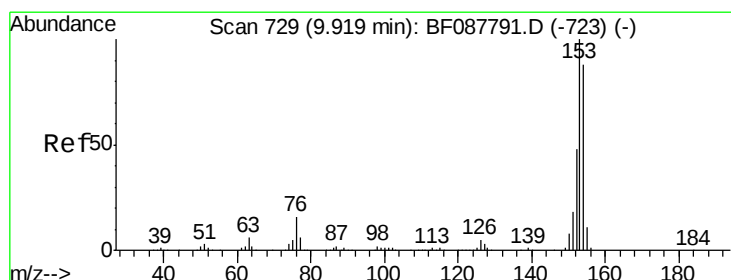
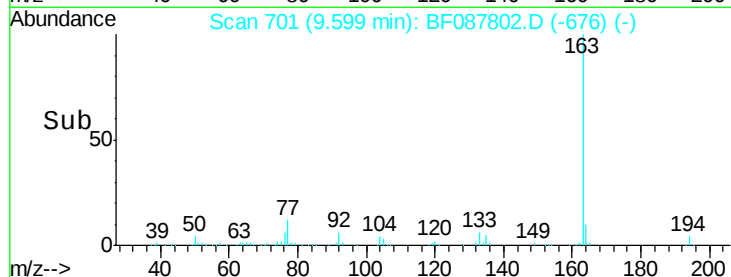
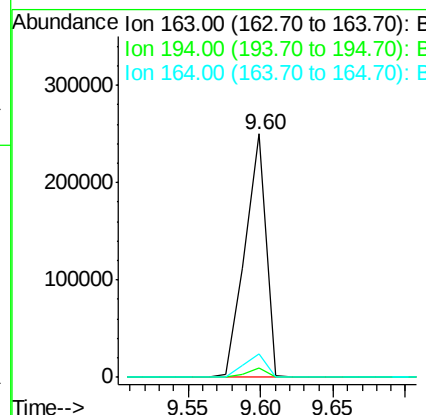
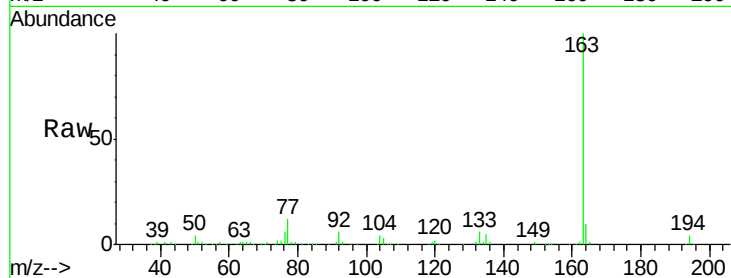
#49
Dimethylphthalate
Concen: 19.99 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	253083		
194	3.8		2.8	4.2
164	9.6		8.3	12.5

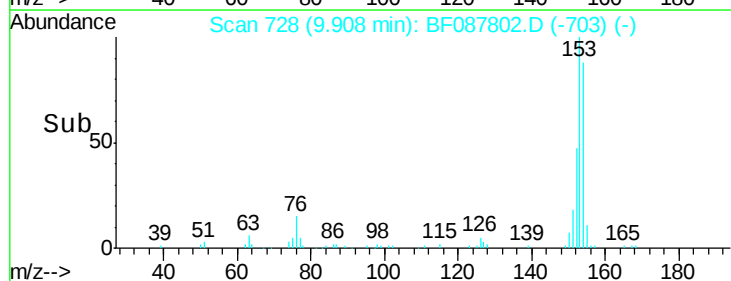
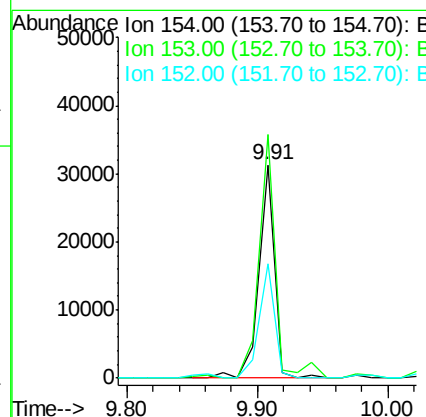
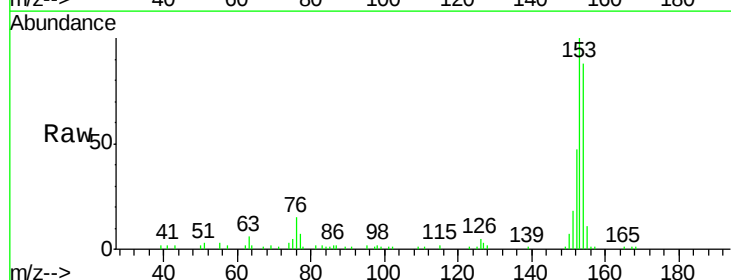
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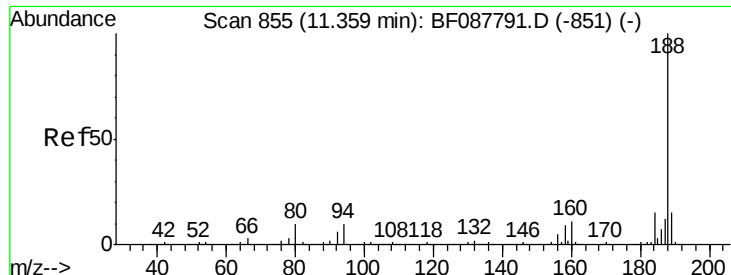
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#51
Acenaphthene
Concen: 2.31 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	25878		
153	114.3		89.5	134.3
152	53.6		42.7	64.1





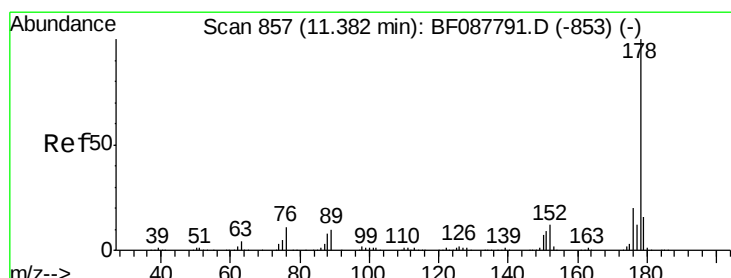
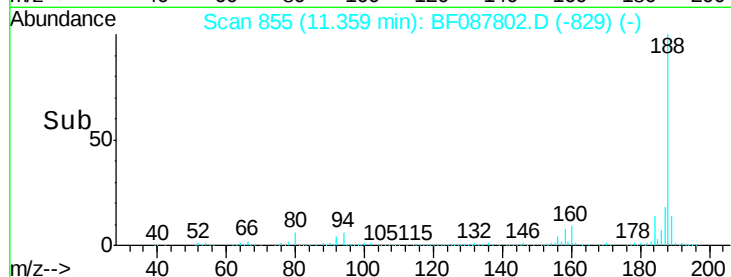
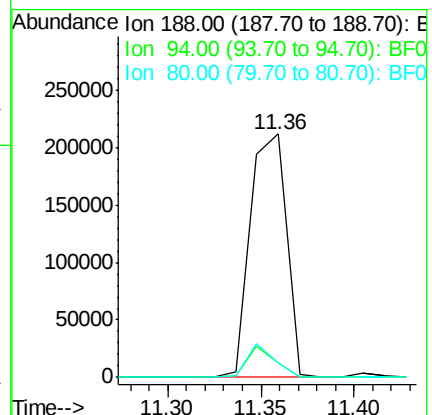
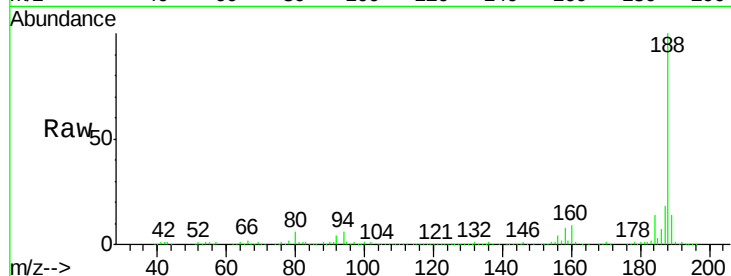
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.1	9.0	13.6#
80	6.2	10.0	15.0#

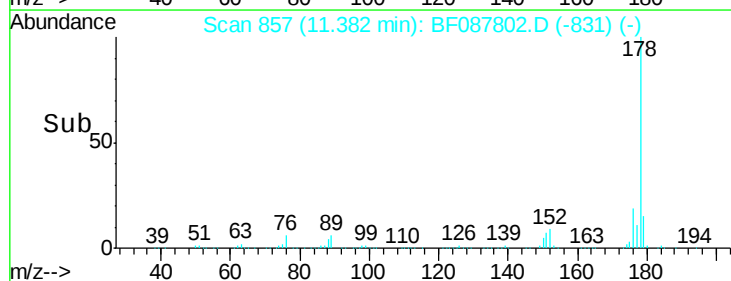
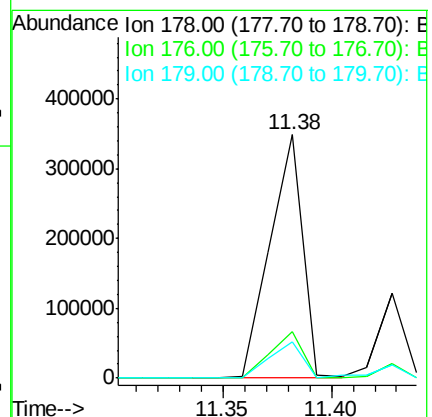
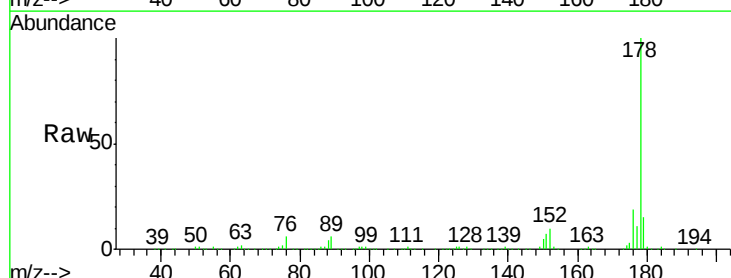
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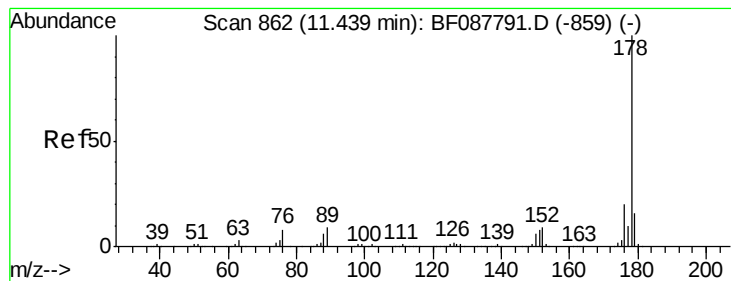
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#70
Phenanthrene
Concen: 24.69 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.1	13.0	19.4





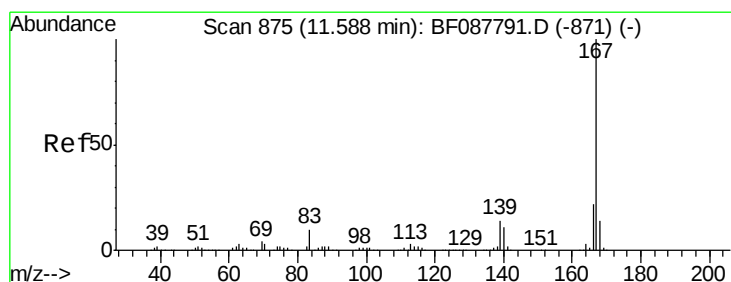
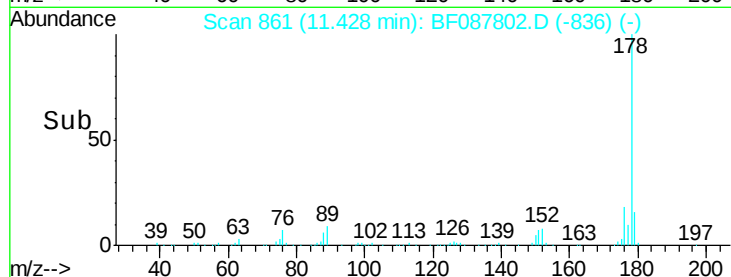
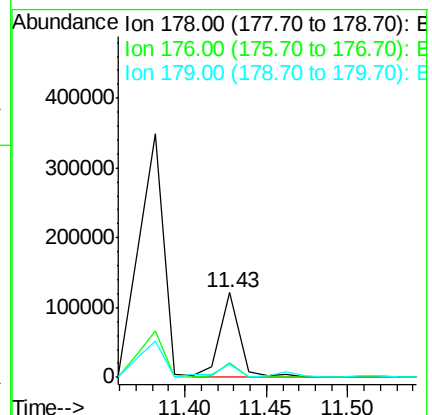
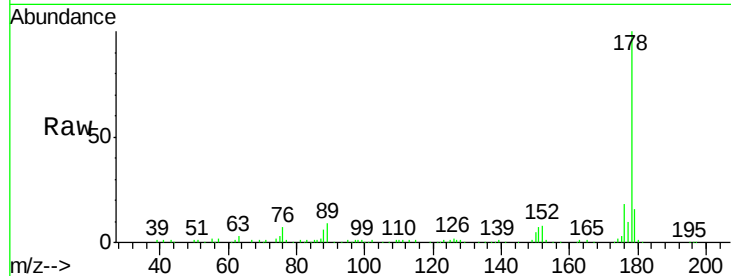
#71
 Anthracene
 Concen: 6.65 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 23:19

Instrument :
 BNA_F
 ClientSampleId :
 SS-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.8	12.8	19.2

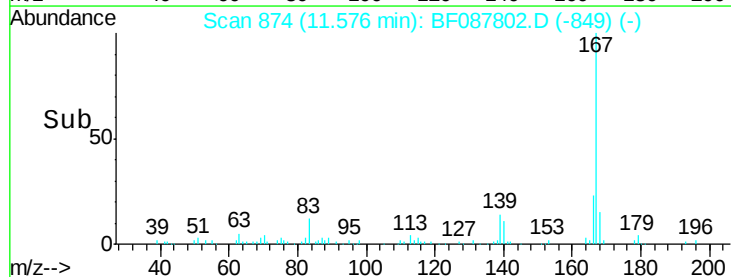
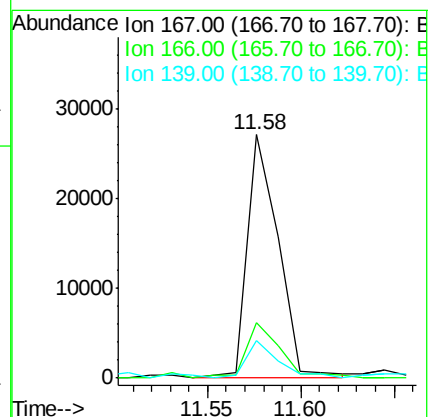
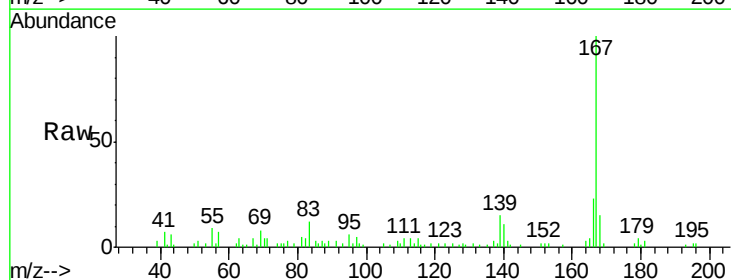
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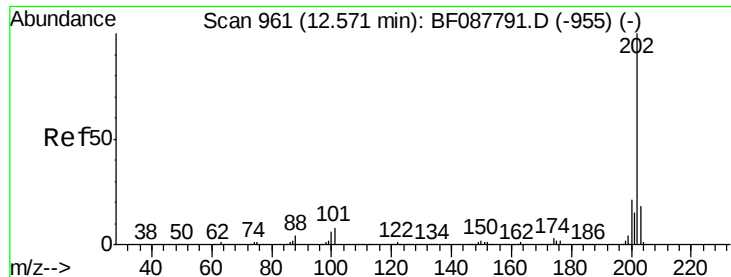
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#72
 Carbazole
 Concen: 2.21 ng
 RT: 11.58 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: BF087802.D
 Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.8	26.6
139	15.2	11.2	16.8





#74

Fluoranthene

Concen: 29.34 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Instrument :

BNA_F

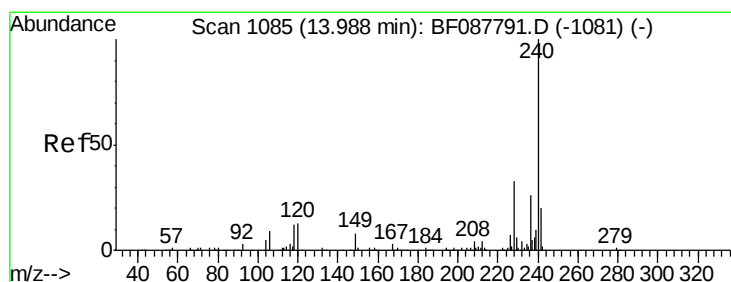
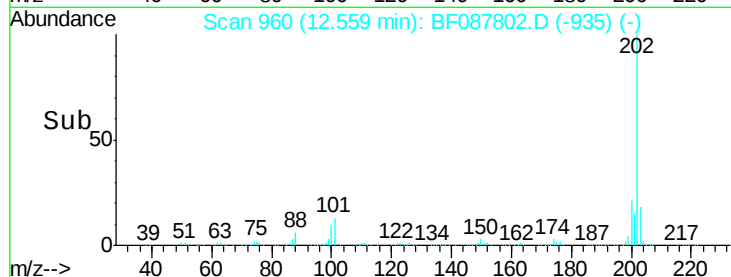
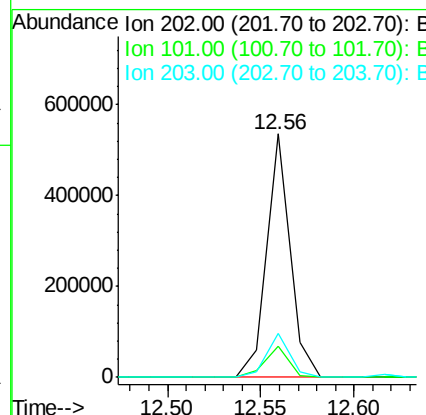
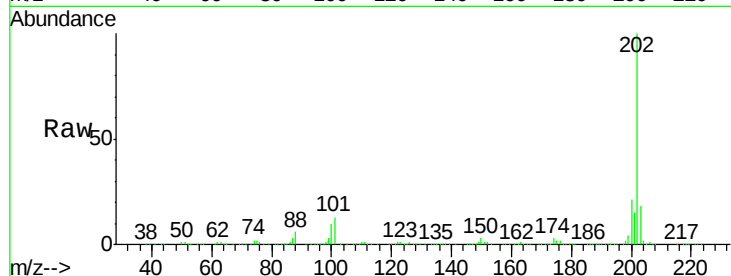
ClientSampleId :

SS-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	33.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

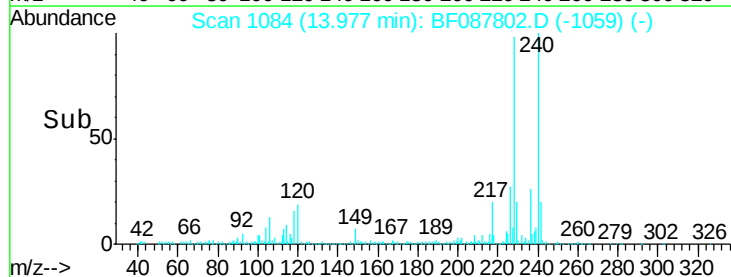
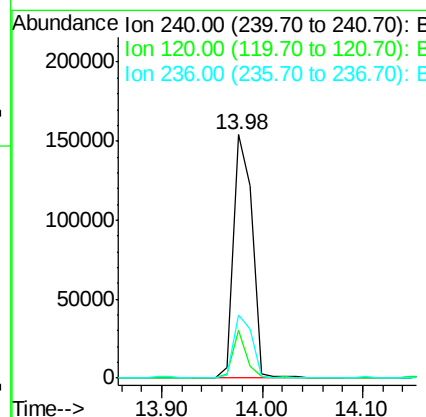
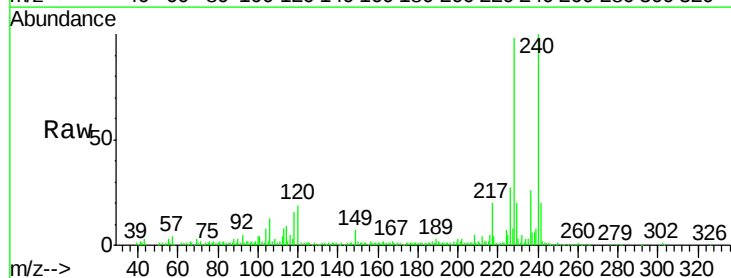
RT: 13.98 min Scan# 1084

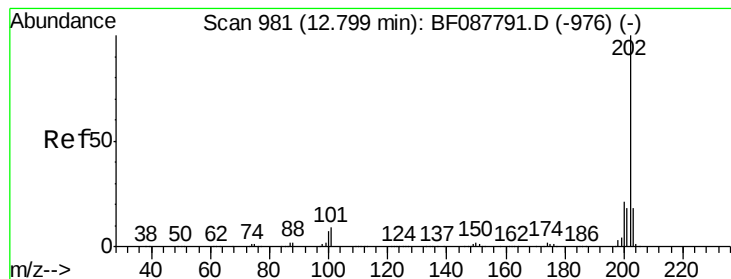
Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	19.4	6.8	10.2#
236	26.0	20.2	30.2





#77

Pvrene

Concen: 30.10 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Instrument :

BNA_F

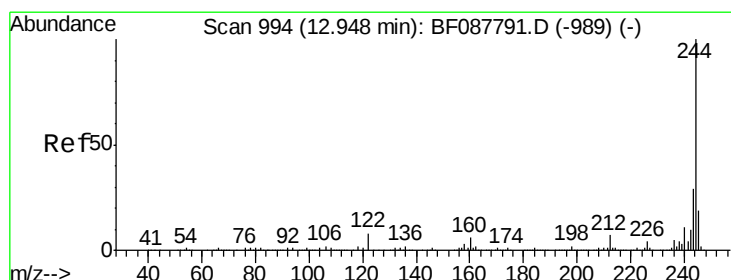
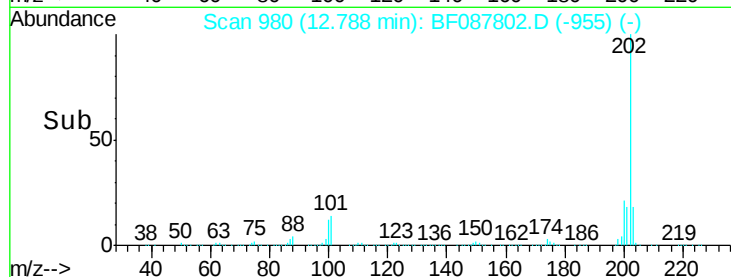
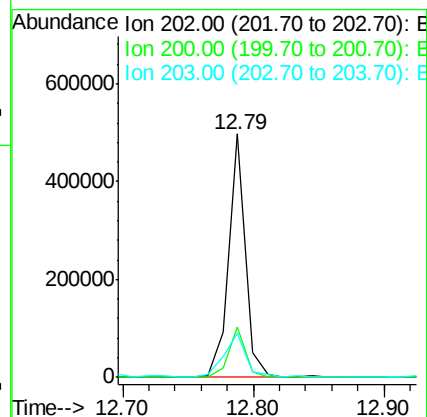
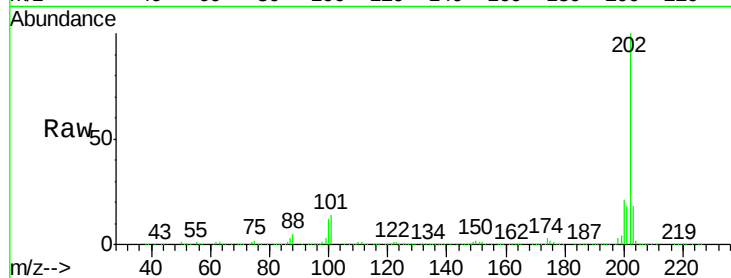
ClientSampled :

SS-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.9	14.5	21.7

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#78

Terphenyl-d14

Concen: 77.42 ng

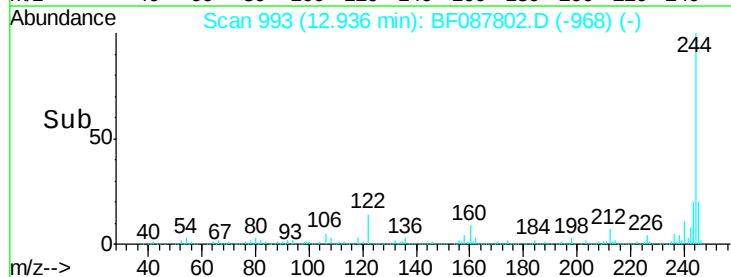
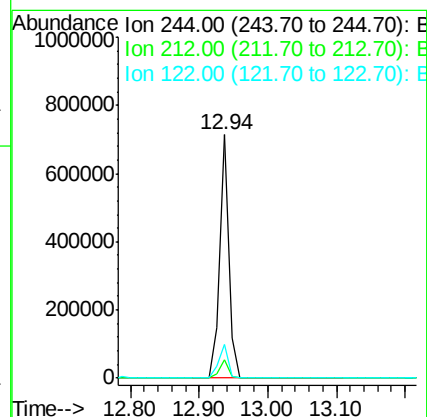
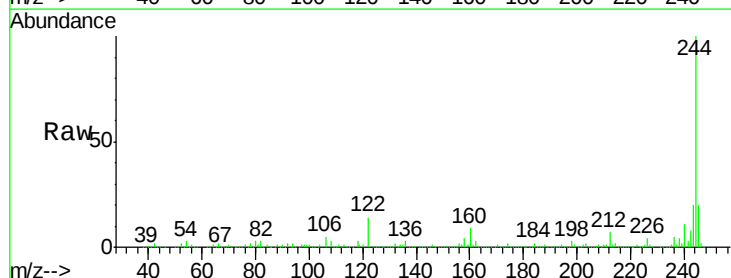
RT: 12.94 min Scan# 993

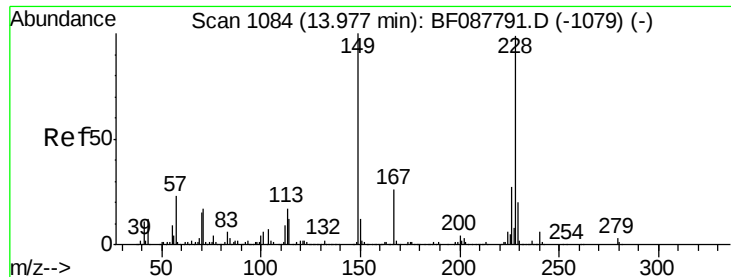
Delta R.T. -0.01 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.9	11.2	16.8





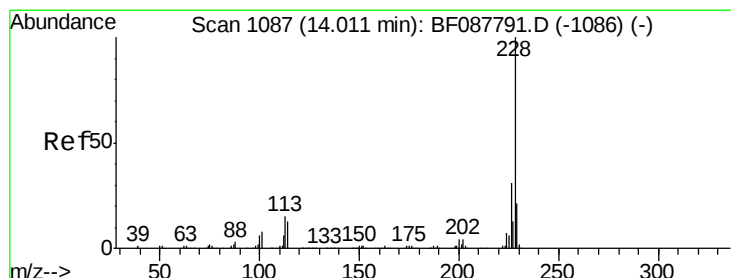
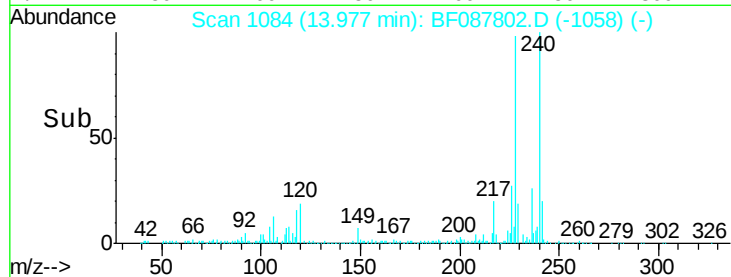
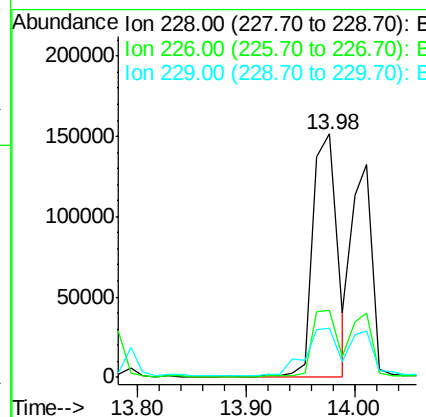
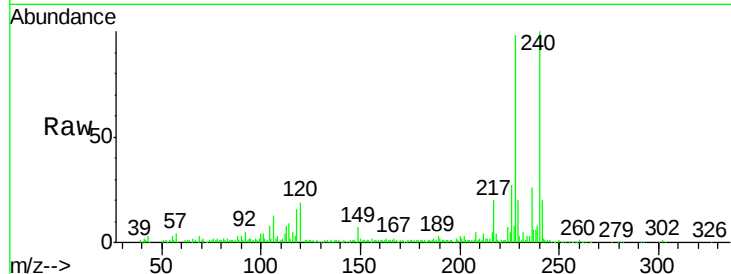
#80
Benzo(a)anthracene
Concen: 20.51 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampled :
SS-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	20.4	16.0	24.0

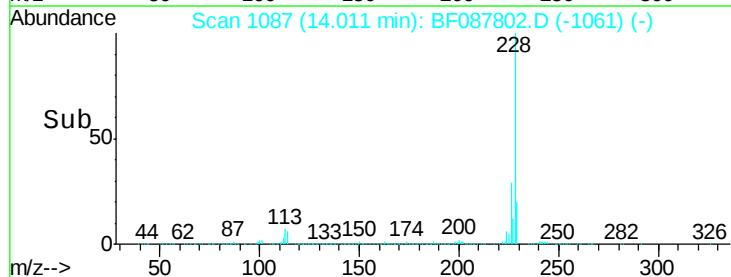
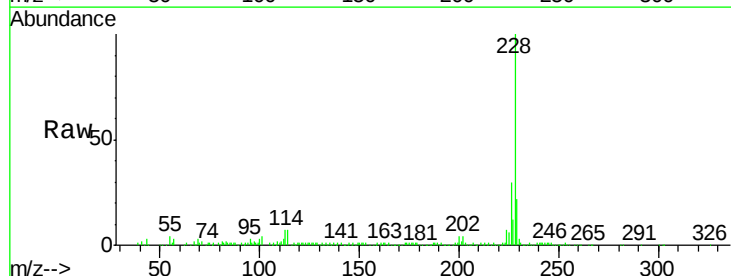
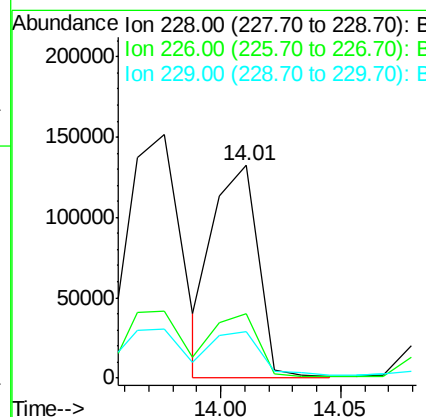
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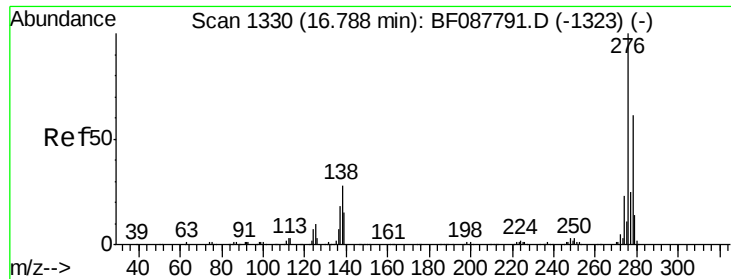
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#82
Chrysene
Concen: 16.25 ng m
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	21.8	16.3	24.5





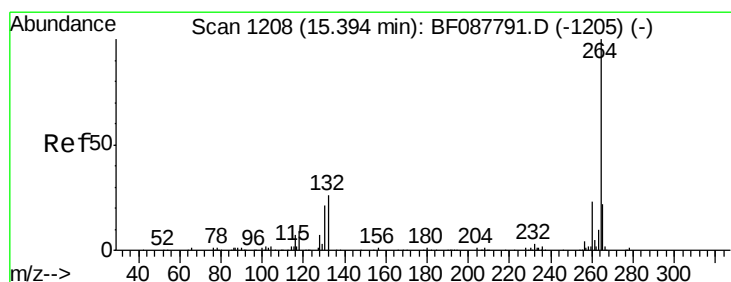
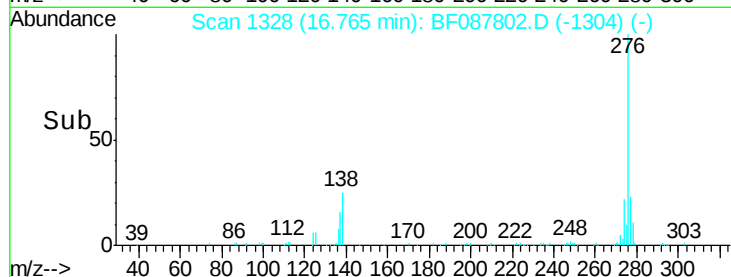
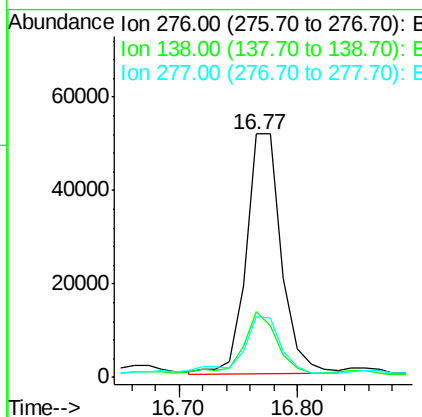
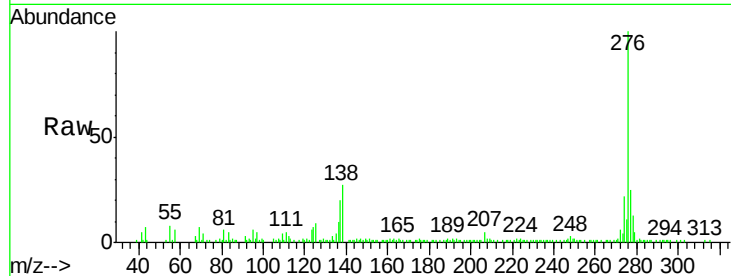
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.75 ng
RT: 16.77 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	24.7	0.0	0.0#
277	27.3	0.0	0.0#

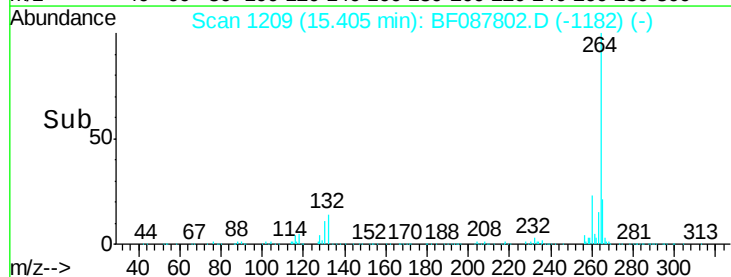
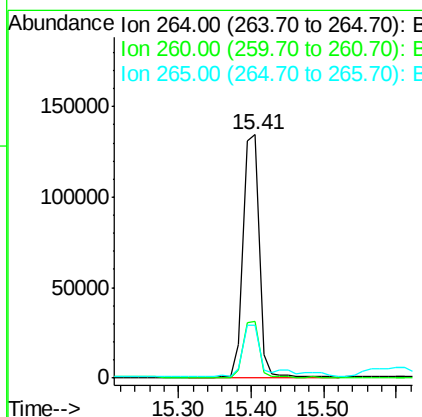
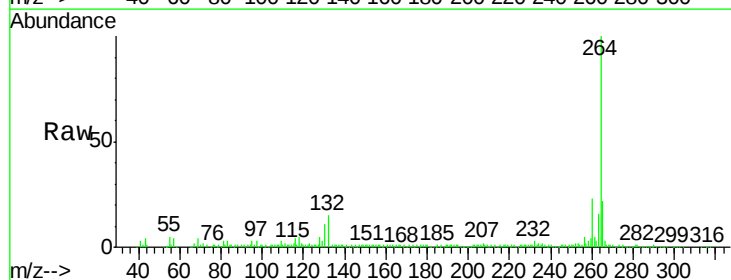
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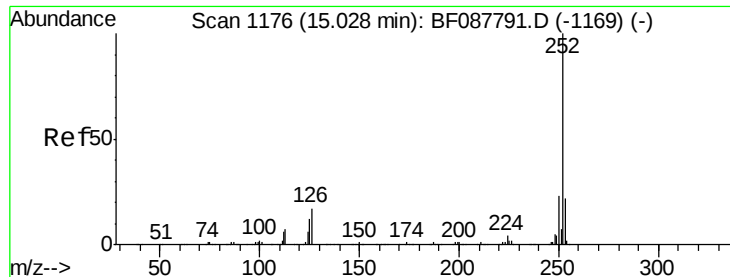
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1209
Delta R.T. 0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 16.33 ng m

RT: 14.99 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Instrument :

BNA_F

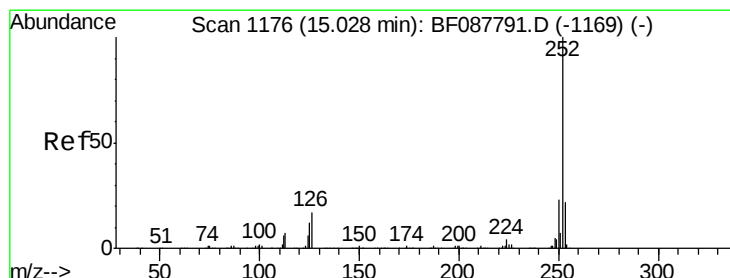
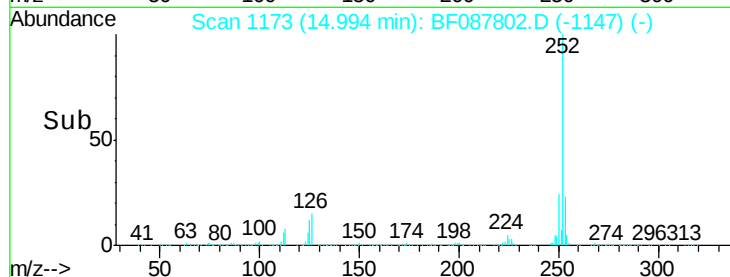
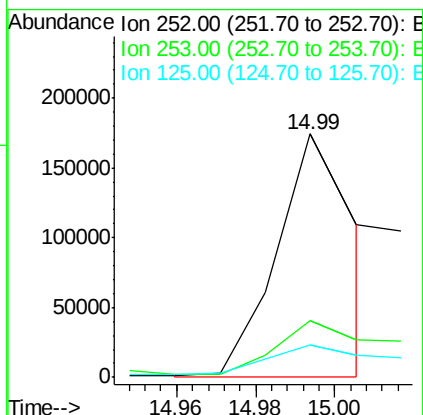
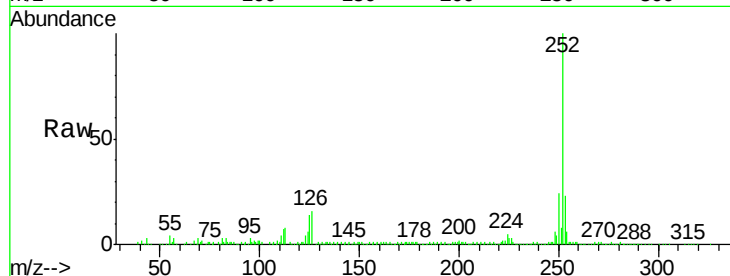
ClientSampleId :

SS-4

Tot Ion:	252	Resp:	238437
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.2
125	13.6	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 9.02 ng m

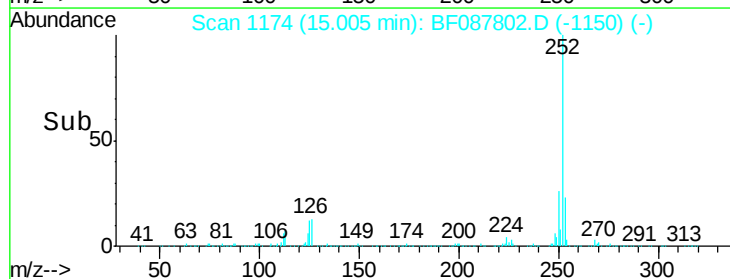
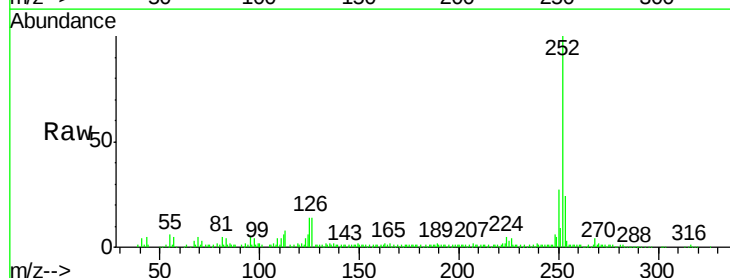
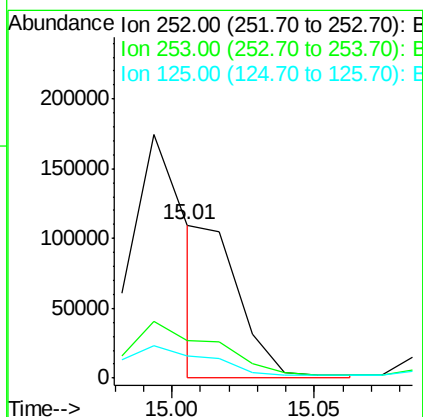
RT: 15.01 min Scan# 1174

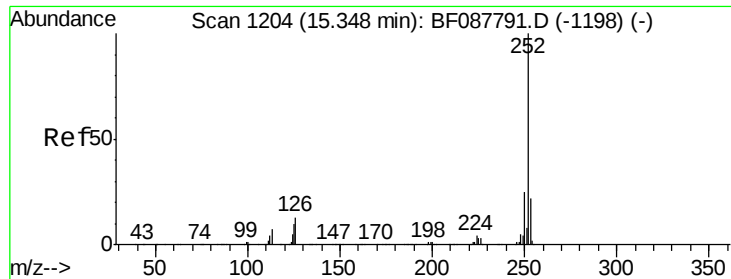
Delta R.T. -0.02 min

Lab File: BF087802.D

Acq: 7 Jun 2016 23:19

Tgt Ion:	252	Resp:	99398
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	14.2	11.2	16.8





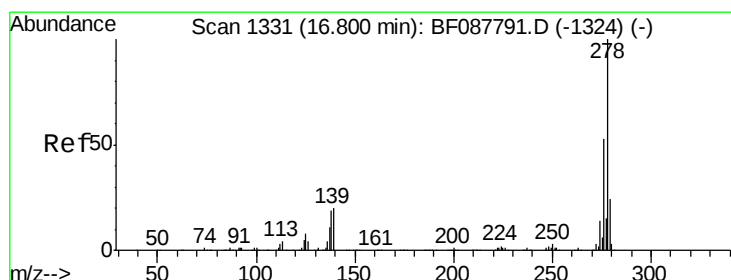
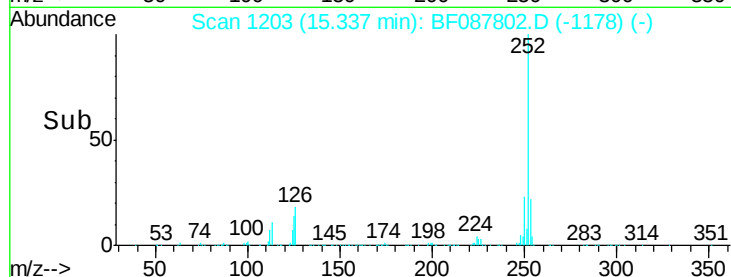
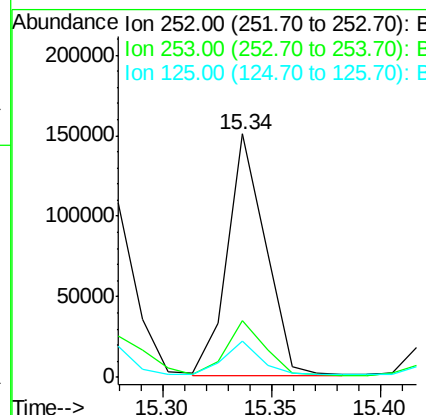
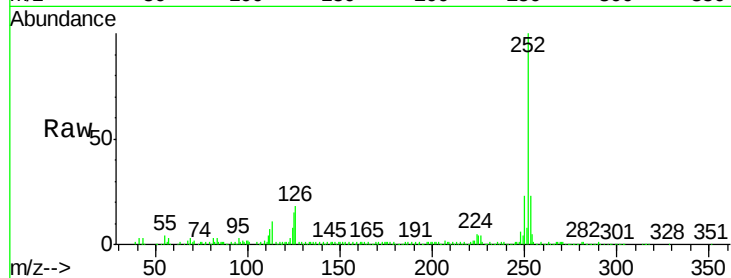
#89
Benzo(a)pyrene
Concen: 15.54 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	15.0	12.5	18.7

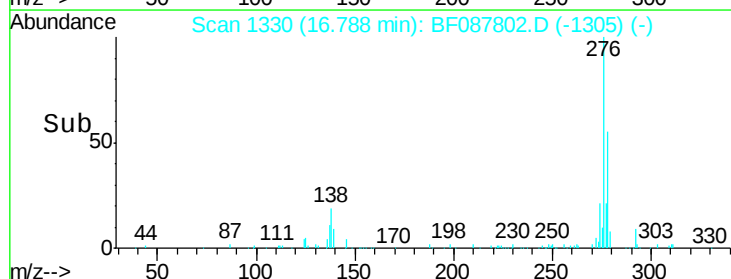
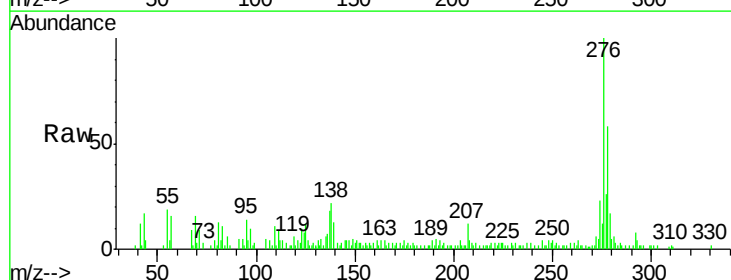
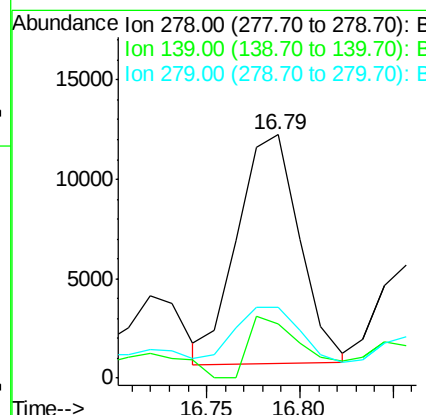
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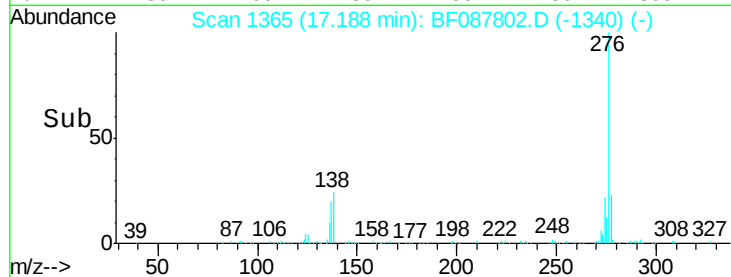
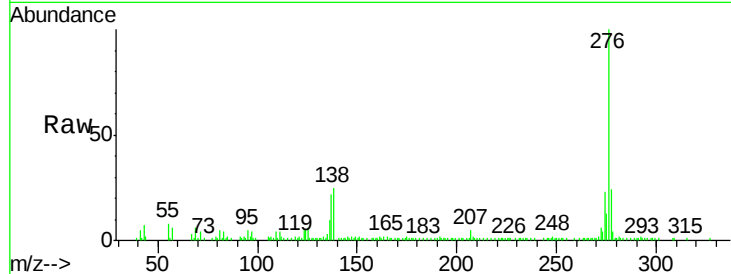
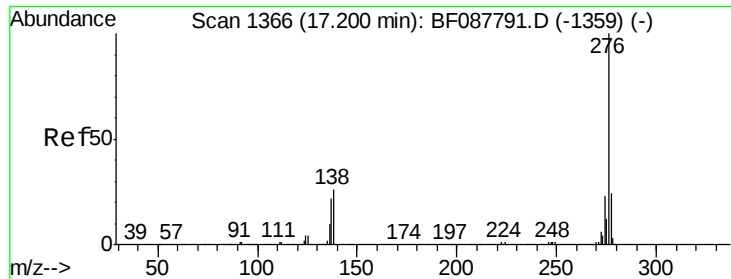
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#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng
RT: 16.79 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.0	15.7	23.5
279	28.9	19.4	29.2





#91
Benzo(a,h,i)perylene
Concen: 8.77 ng
RT: 17.19 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF087802.D
Acq: 7 Jun 2016 23:19

Instrument :
BNA_F
ClientSampleId :
SS-4

Tot Ion:	276	Resp:	98998
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.9	28.3
138	24.9	21.4	32.2

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