

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091592.D
 Acq On : 14 Dec 2016 18:56
 Operator : UM/SJ
 Sample : H5957-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CH-1767-A-COMP

Manual Integrations
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Quant Time: Dec 15 01:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	284149	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1096198	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	542818	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	832411	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	630036	20.00	ng	-0.02
86) Perylene-d12	15.36	264	578476	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1934593	114.70	ng	-0.01
7) Phenol-d6	6.44	99	2534723	120.55	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1411653	71.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	471459	104.57	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	2227332	70.90	ng	-0.02
78) Terphenyl-d14	12.90	244	1768966	63.71	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.55	163	736467	21.43	ng	# 91
70) Phenanthrene	11.33	178	117819	2.86	ng	# 81
74) Fluoranthene	12.52	202	474665	11.00	ng	95
77) Pyrene	12.75	202	464433	9.29	ng	98
80) Benzo(a)anthracene	13.93	228	227651	6.22	ng	92
82) Chrysene	13.97	228	204200m	5.33	ng	
85) Indeno(1,2,3-cd)pyrene	16.71	276	123445	3.58	ng	98
87) Benzo(b)fluoranthene	14.96	252	304667m	8.83	ng	
88) Benzo(k)fluoranthene	14.98	252	95167m	3.14	ng	
89) Benzo(a)pyrene	15.29	252	151629	4.88	ng	97
91) Benzo(g,h,i)perylene	17.12	276	114132	4.03	ng	96

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

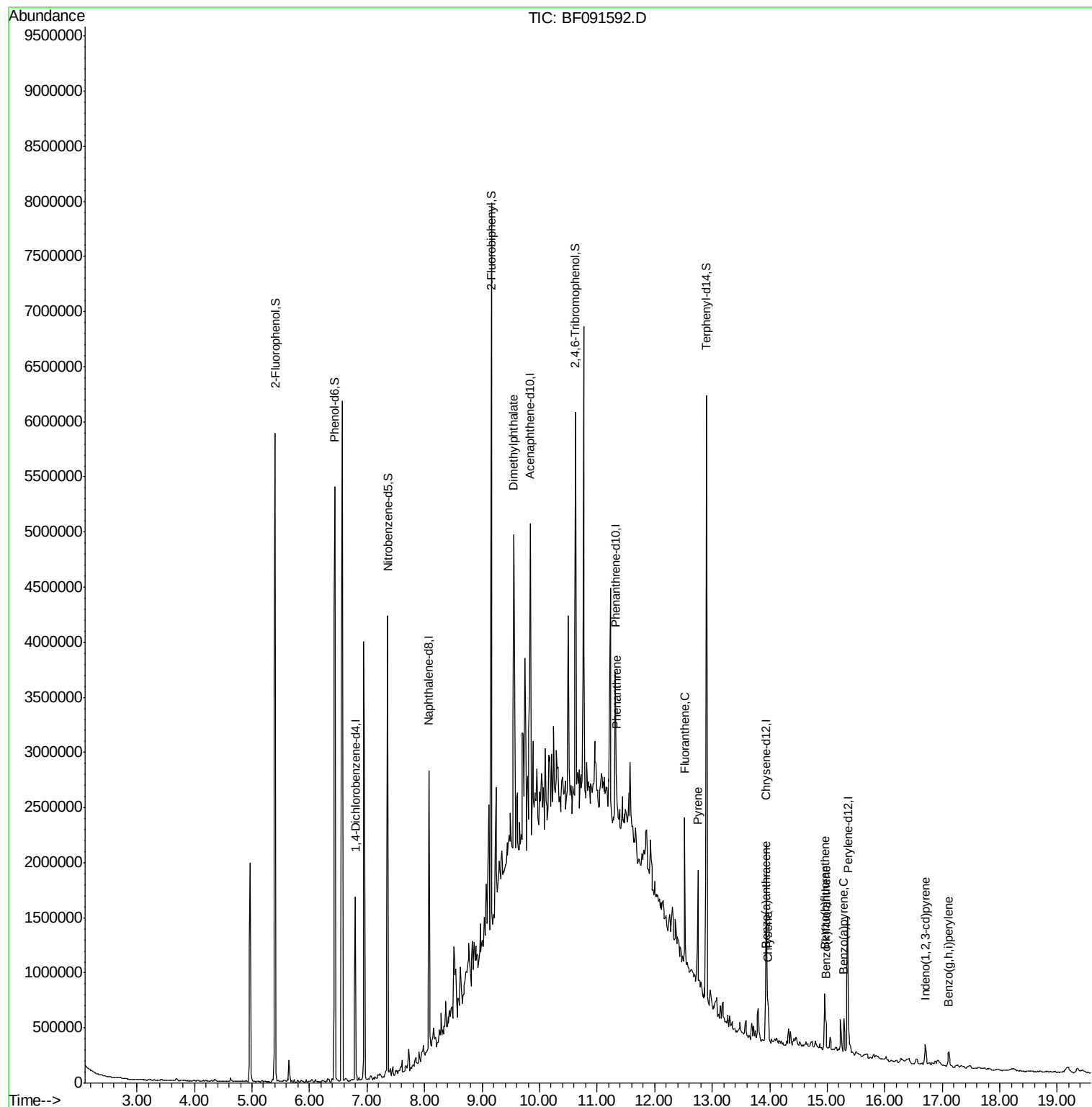
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091592.D
Acq On : 14 Dec 2016 18:56
Operator : UM/SJ
Sample : H5957-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

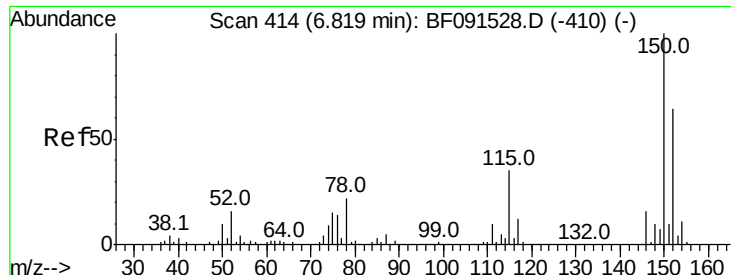
Instrument :
BNA_F
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CH-1767-A-COMP

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#1

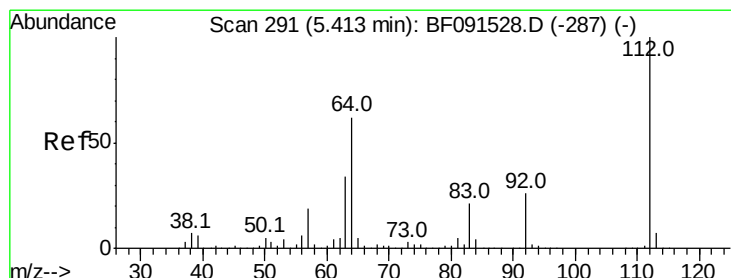
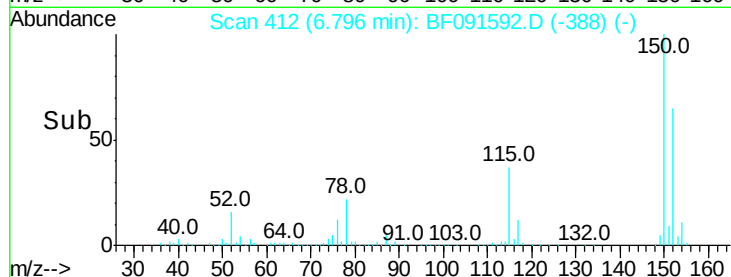
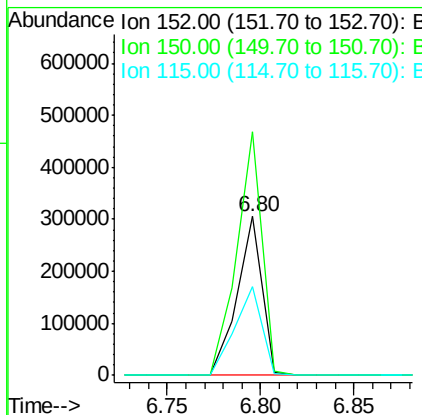
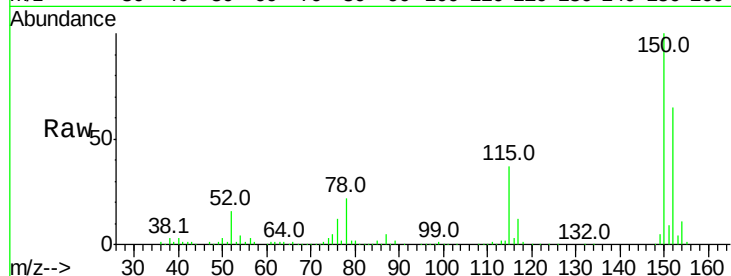
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
CH-1767-A-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.5	183.7
115	56.1	51.8	77.8

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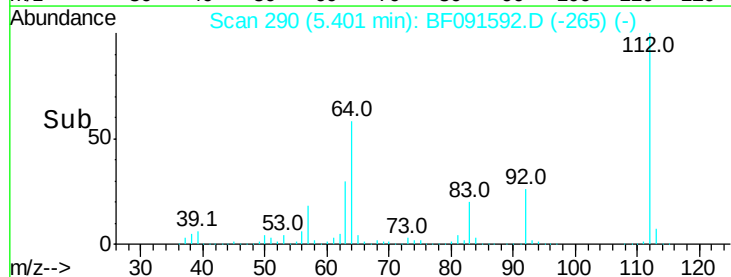
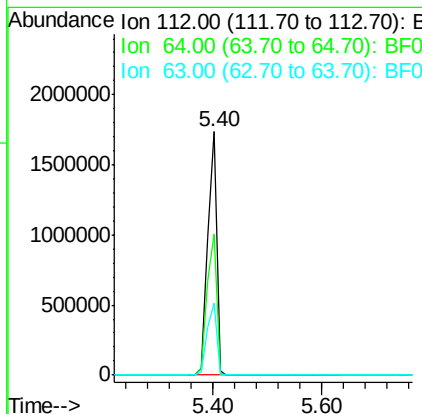
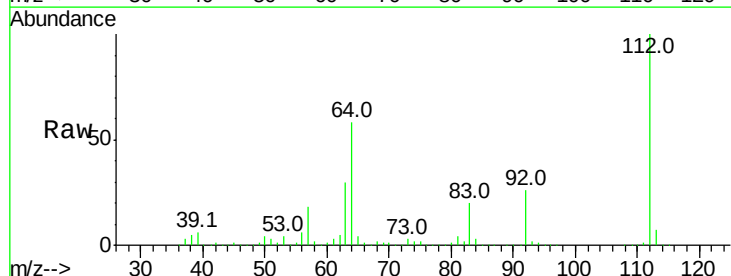
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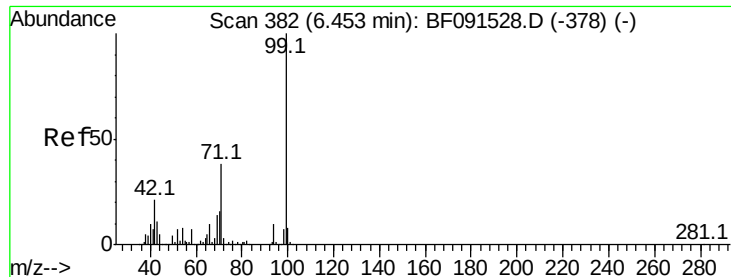


#5

2-Fluorophenol
Concen: 114.70 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.01 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	61.5	92.3#
63	29.6	33.3	49.9#





#7

Phenol-d6

Concen: 120.55 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CH-1767-A-COMP

Tot Ion: 99 Resp: 2534723

Ion Ratio Lower Upper

99 100

42 16.0 20.6 31.0#

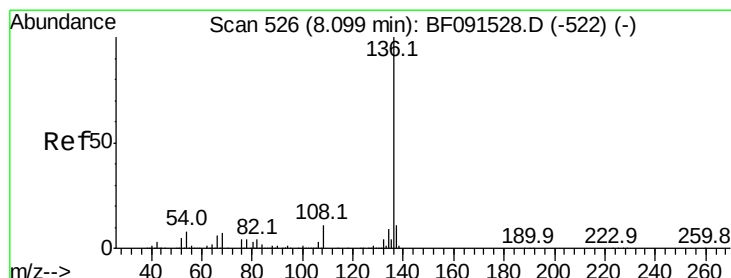
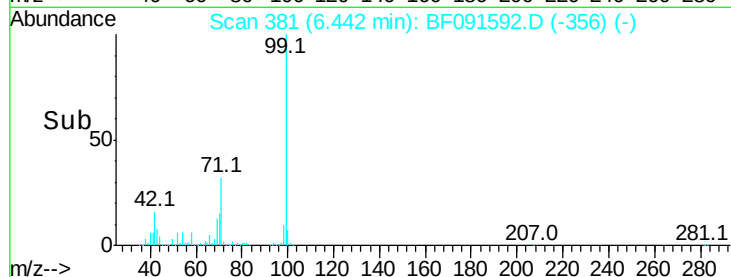
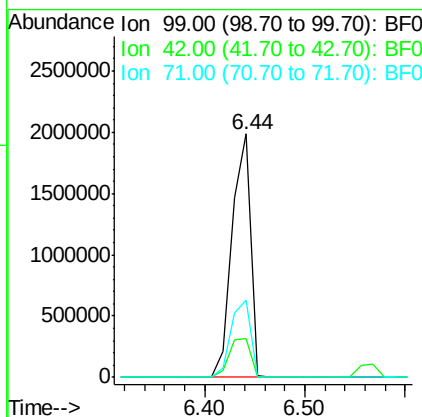
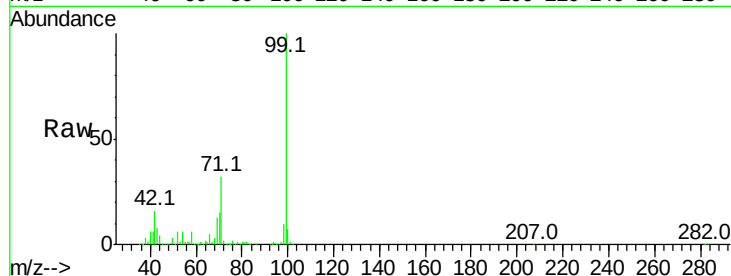
71 31.6 29.9 44.9

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Tgt Ion: 136 Resp: 1096198

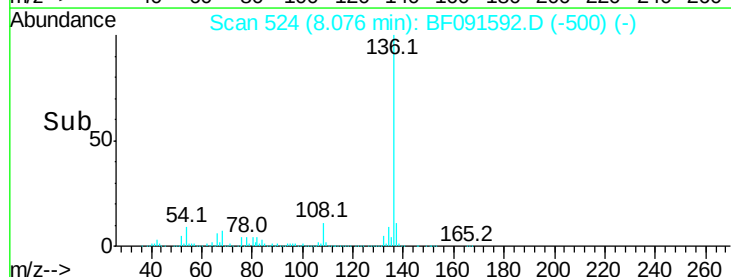
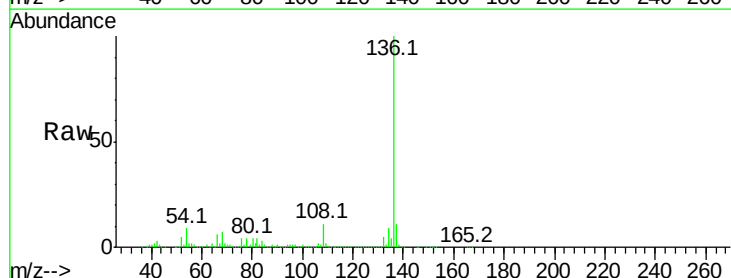
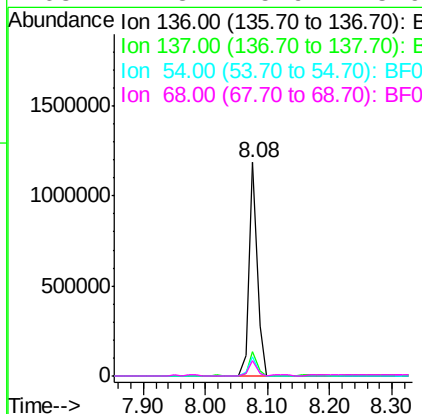
Ion Ratio Lower Upper

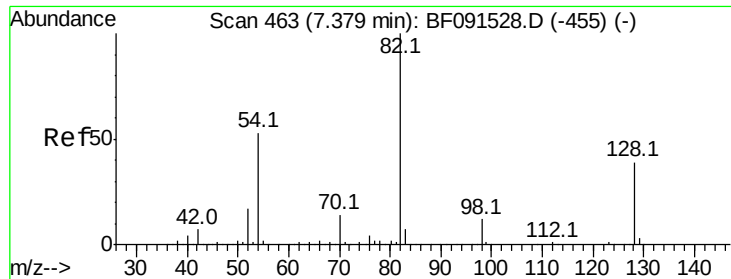
136 100

137 11.5 9.1 13.7

54 9.2 9.1 13.7

68 7.3 5.9 8.9





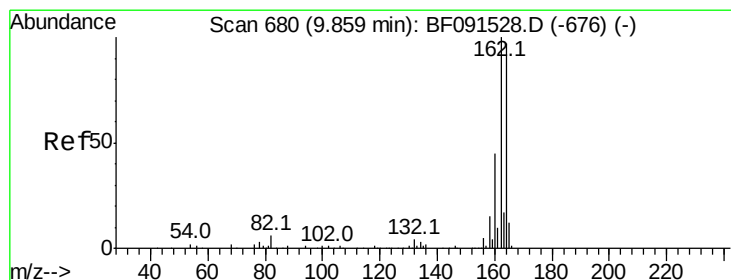
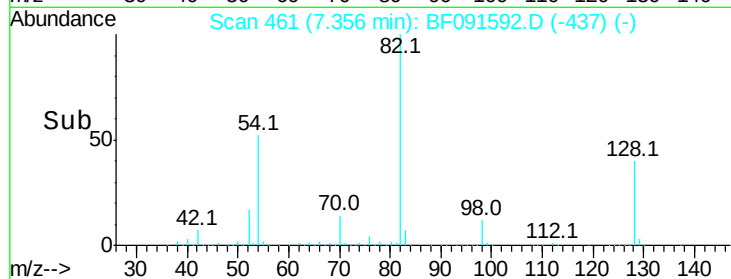
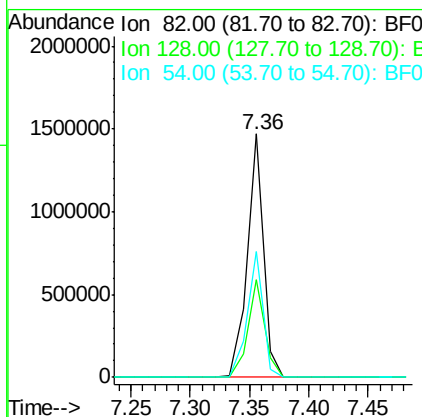
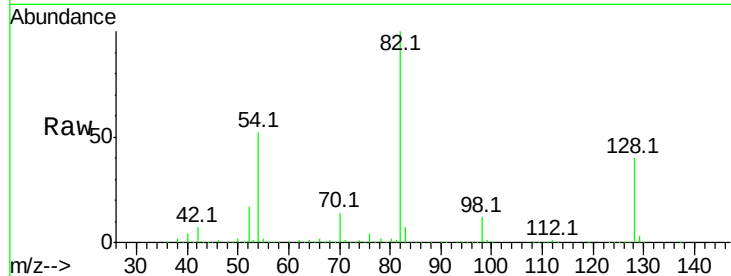
#23
 Nitrobenzene-d5
 Concen: 71.87 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091592.D
 Acq: 14 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 CH-1767-A-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	31.8	47.6
54	51.6	49.1	73.7

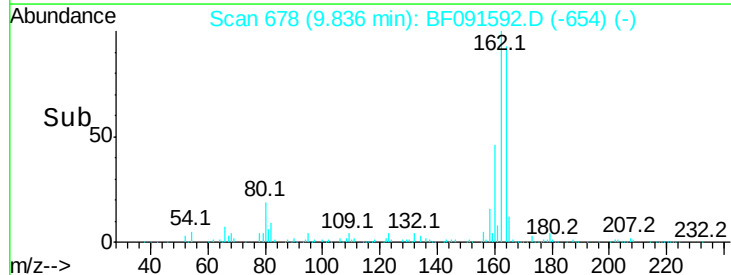
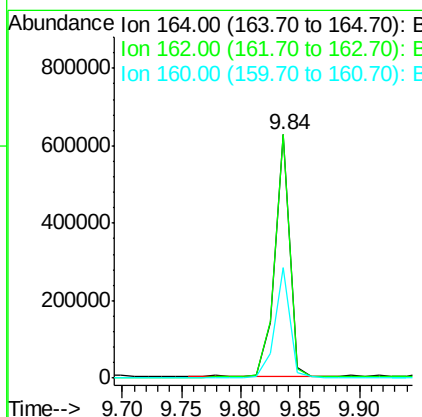
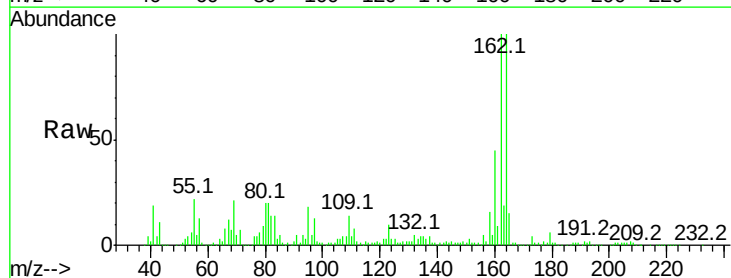
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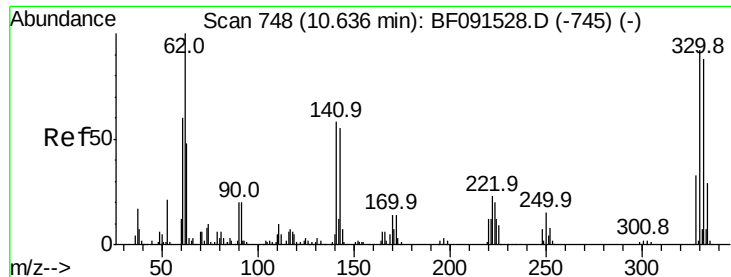
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091592.D
 Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.6	124.0
160	45.3	36.7	55.1





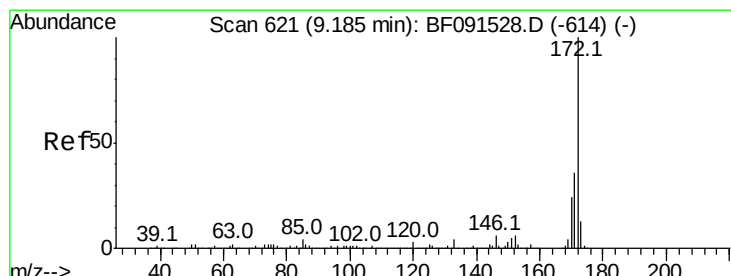
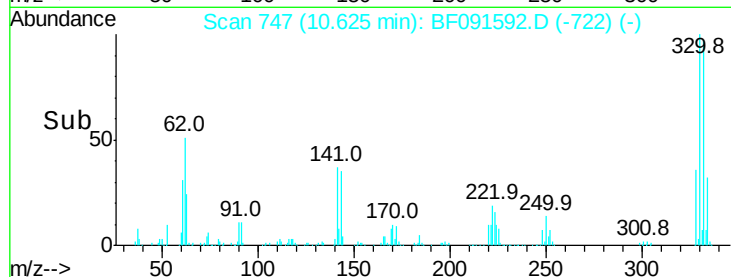
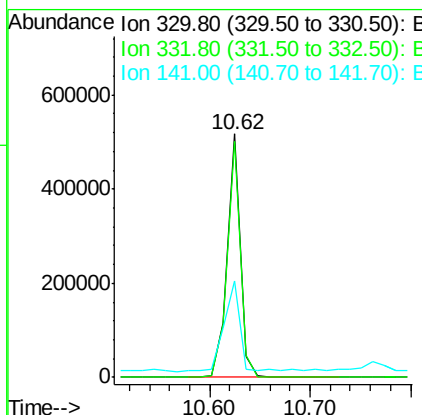
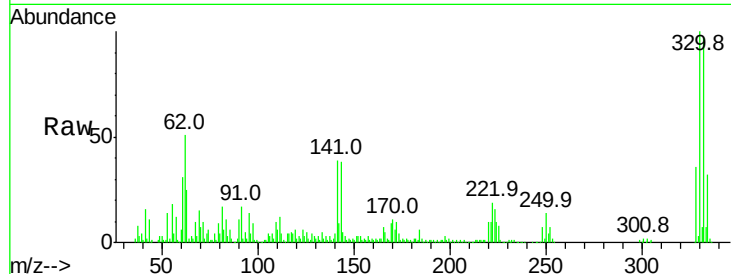
#41
 2,4,6-Tribromophenol
 Concen: 104.57 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091592.D
 Acq: 14 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 CH-1767-A-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.2	114.4
141	43.4	33.6	50.4

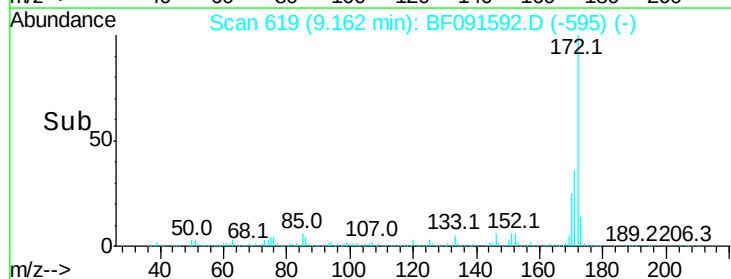
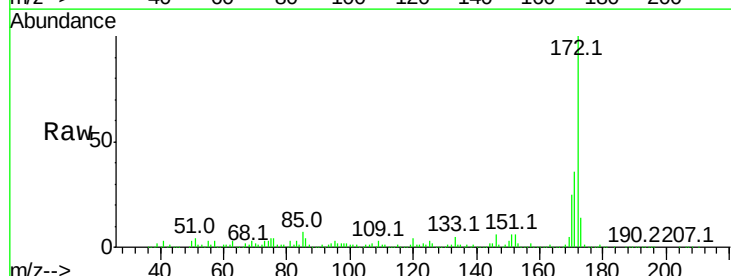
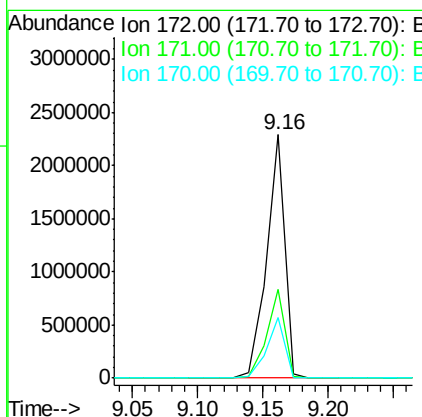
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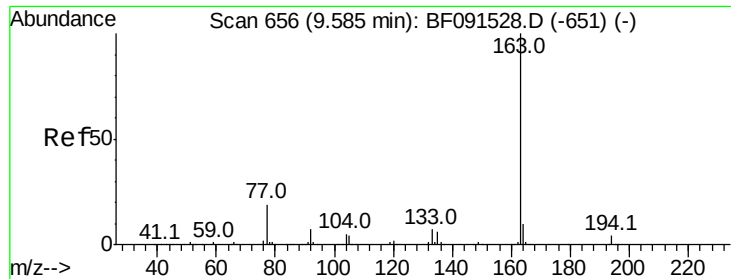
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#44
 2-Fluorobiphenyl
 Concen: 70.90 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091592.D
 Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	25.0	19.7	29.5





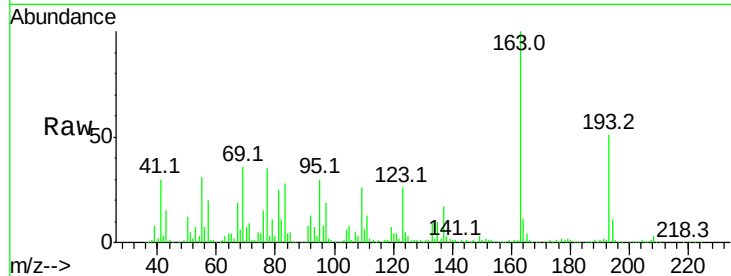
#49
Dimethylphthalate
Concen: 21.43 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
CH-1767-A-COMP

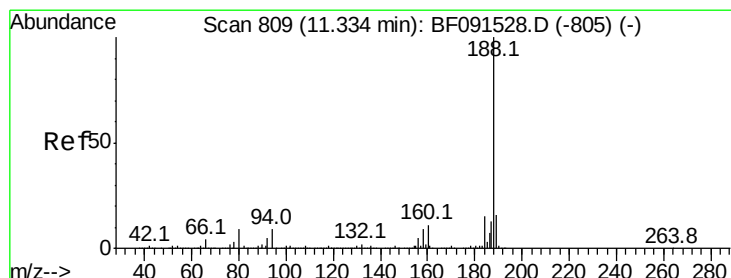
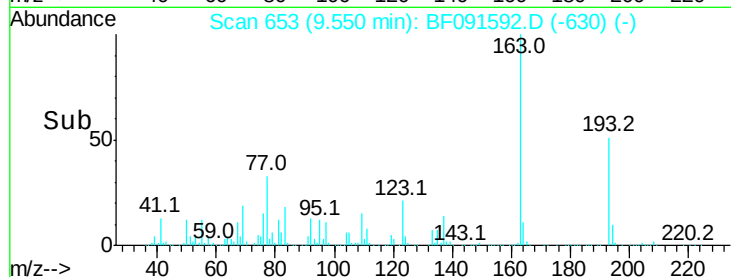
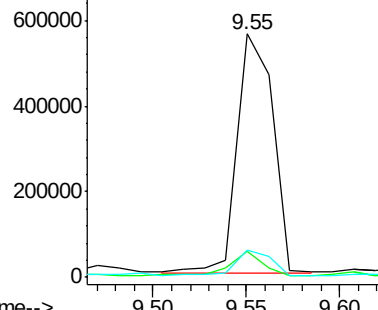
Tot Ion	Ratio	Resp	Lower	Upper
163	100	736467		
194	10.6		3.0	4.4#
164	11.3		7.8	11.8

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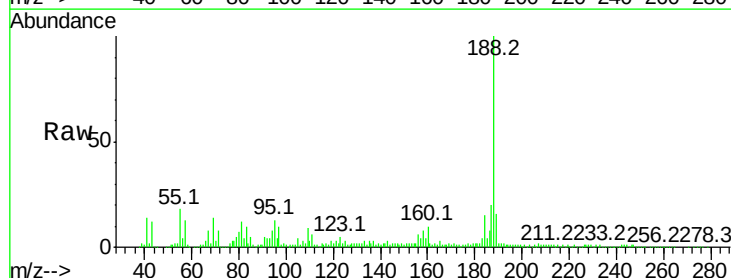


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

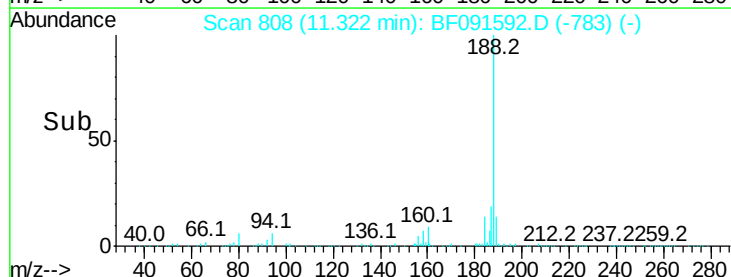
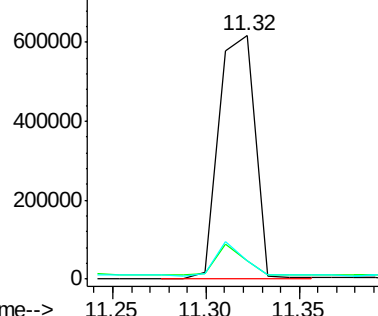


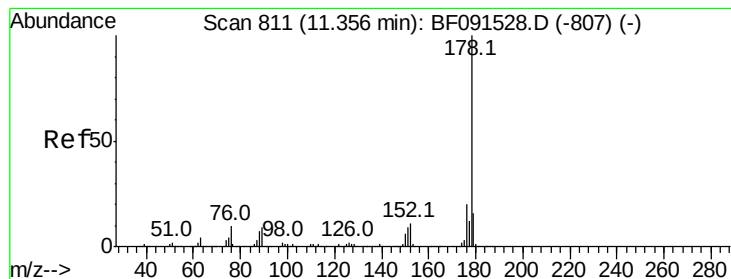
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	832411		
94	7.7		9.2	13.8#
80	7.4		10.5	15.7#



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: 2.86 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Instrument :

BNA_F

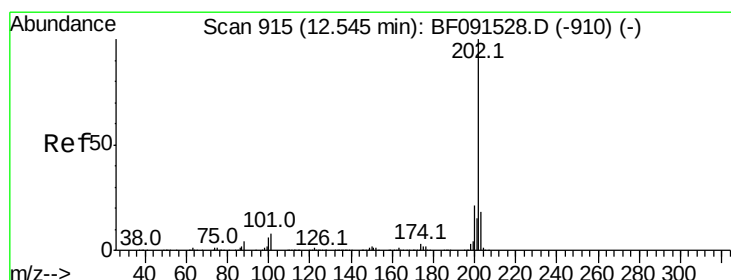
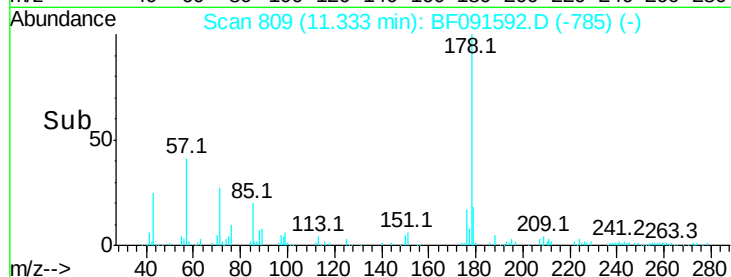
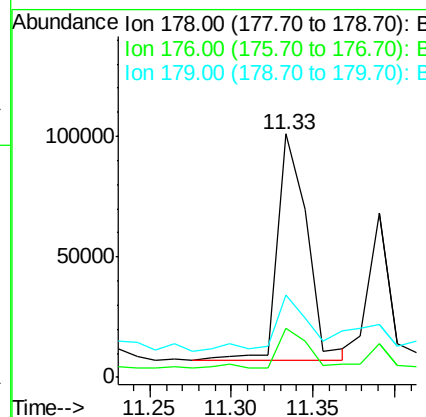
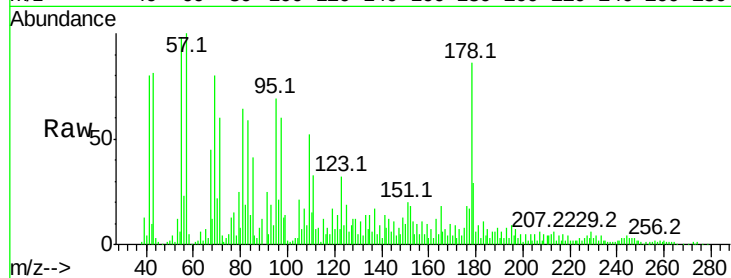
ClientSampleId :

CH-1767-A-COMP

Tot Ion:	178	Resp:	117819
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.9	23.9
179	33.8	12.6	18.8#

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#74

Fluoranthene

Concen: 11.00 ng

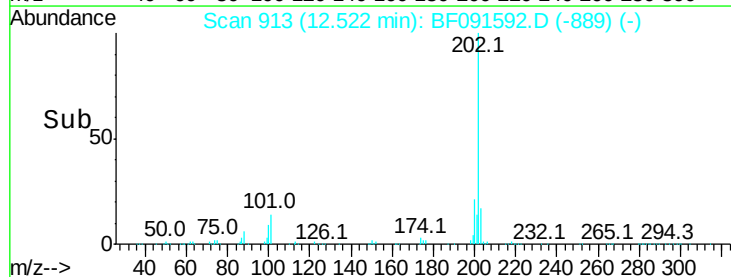
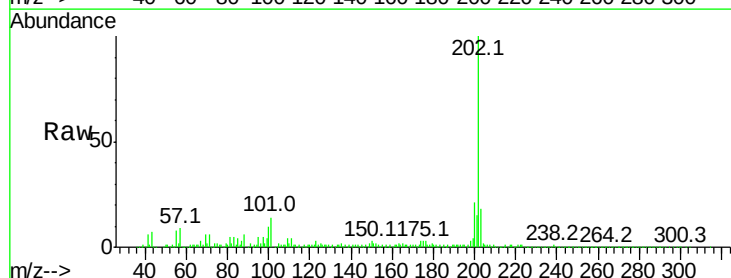
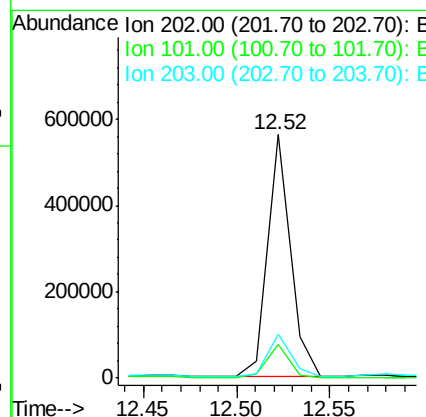
RT: 12.52 min Scan# 913

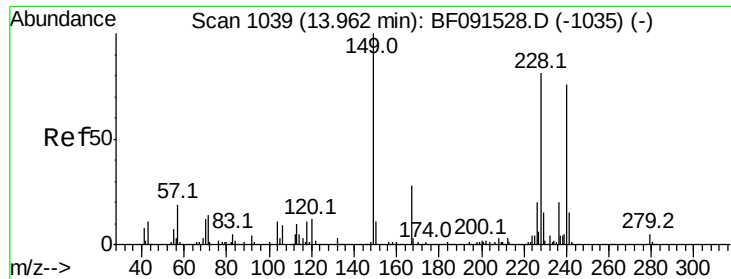
Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Tgt Ion:	202	Resp:	474665
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	29.5
203	18.2	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Instrument :

BNA_F

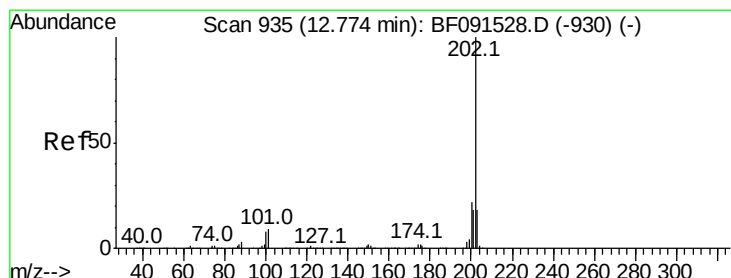
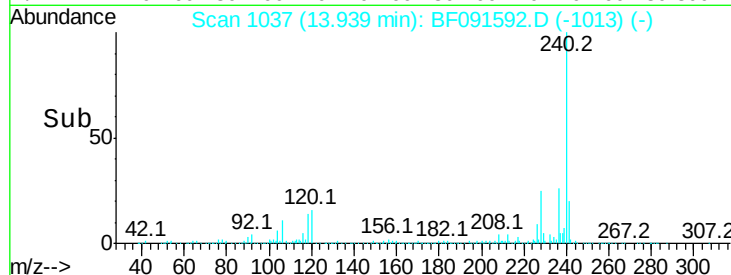
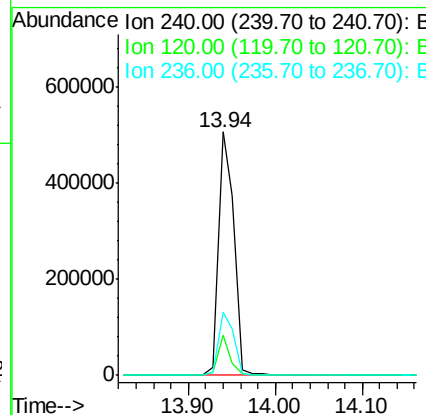
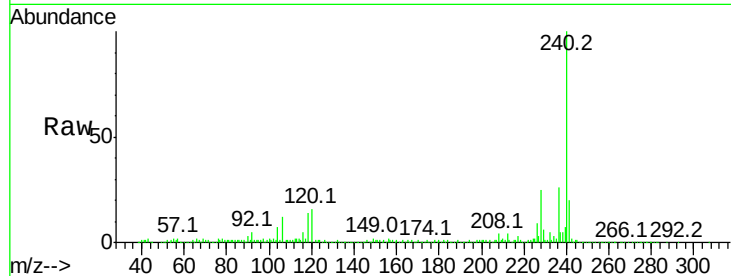
ClientSampleId :

CH-1767-A-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.4	12.1	18.1
236	25.9	21.0	31.6

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#77

Pyrene

Concen: 9.29 ng

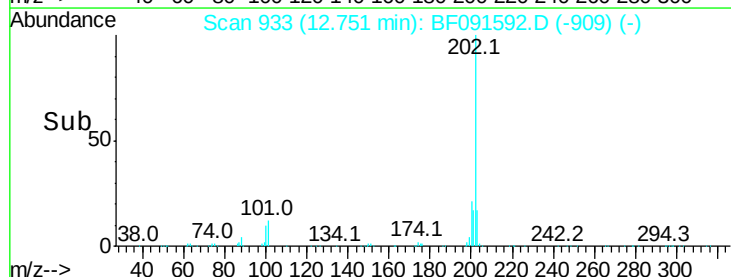
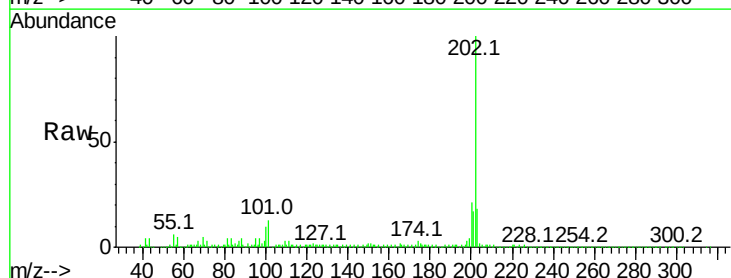
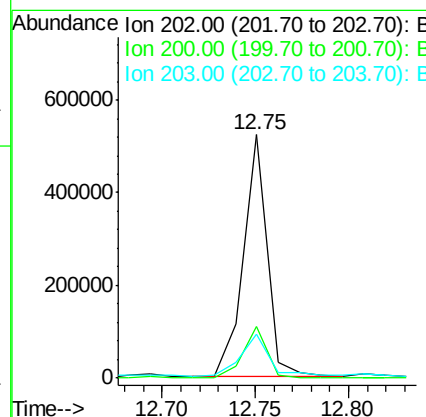
RT: 12.75 min Scan# 933

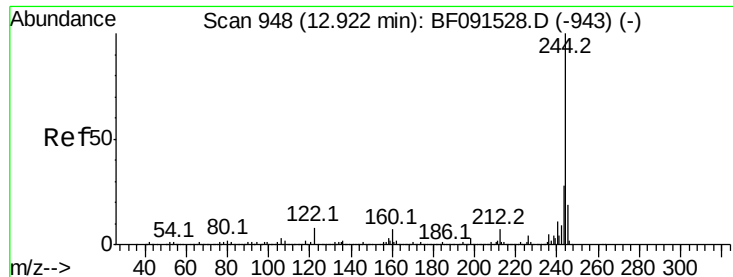
Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.1	14.0	21.0





#78

Terphenyl-d14

Concen: 63.71 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

CH-1767-A-COMP

Tot Ion:244 Resp: 1768966

Ion Ratio Lower Upper

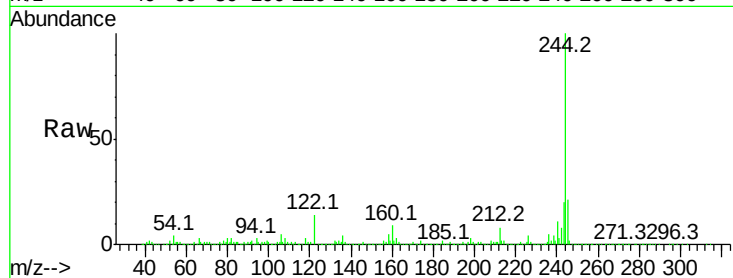
244 100

212 7.8 6.5 9.7

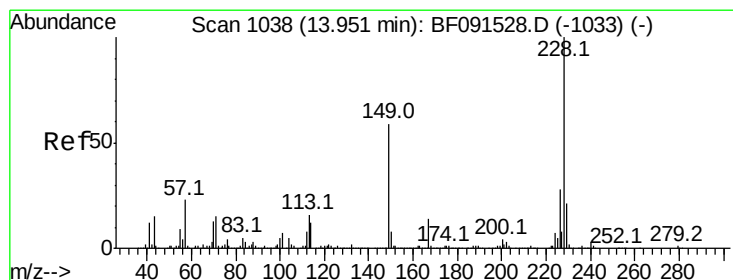
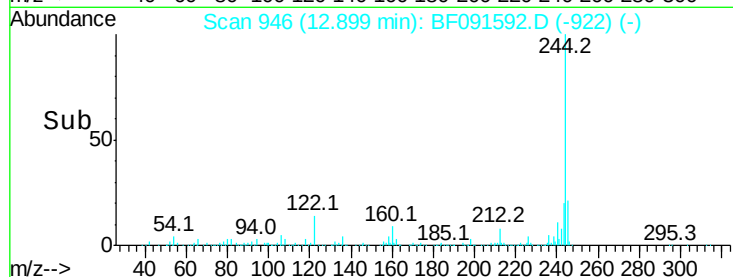
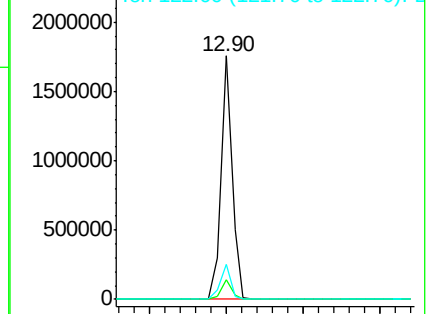
122 14.4 9.5 14.3#

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12/15/2016 5:39:59 PM



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: 6.22 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF091592.D

Acq: 14 Dec 2016 18:56

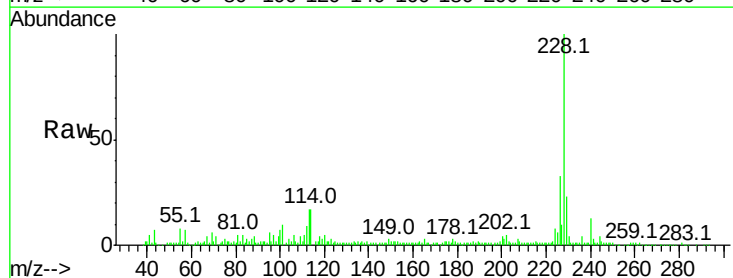
Tgt Ion:228 Resp: 227651

Ion Ratio Lower Upper

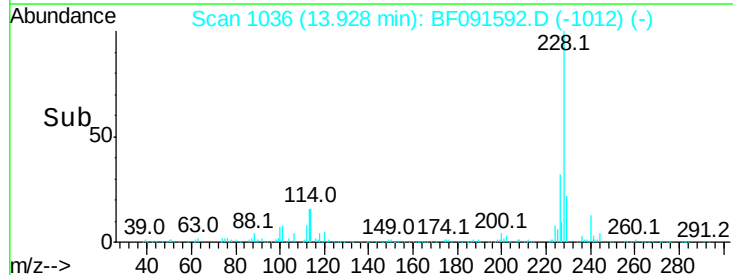
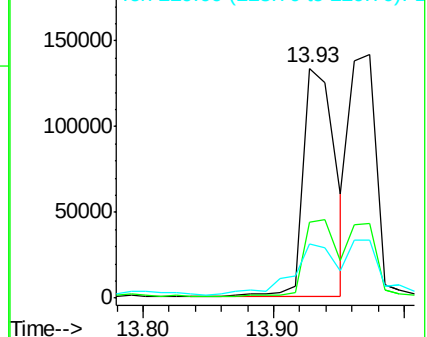
228 100

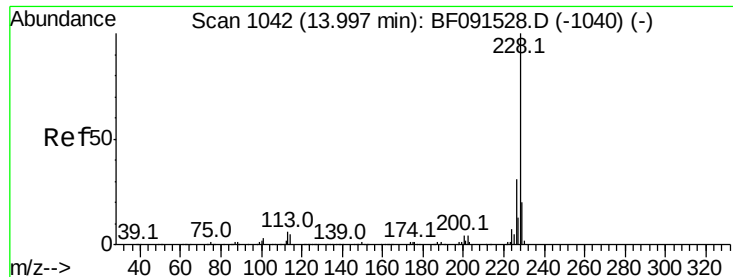
226 33.1 22.5 33.7

229 23.4 16.4 24.6



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





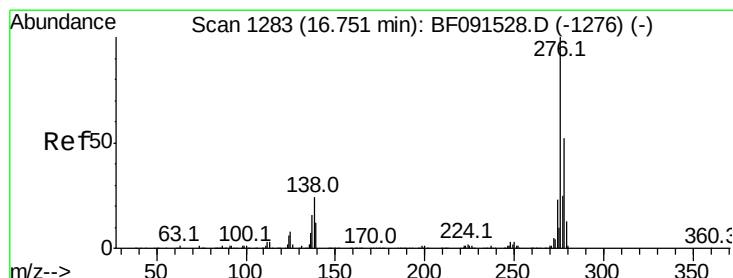
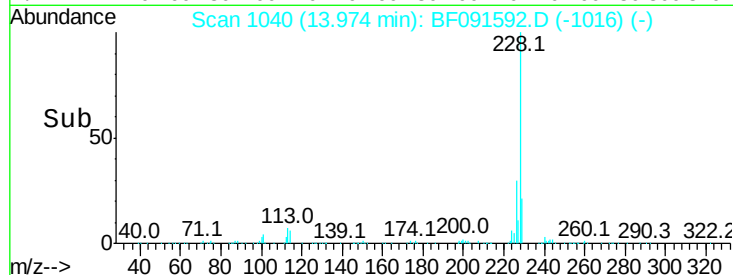
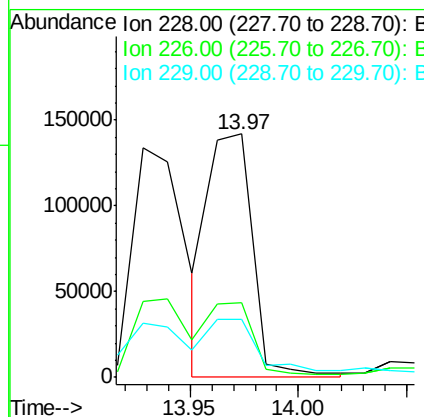
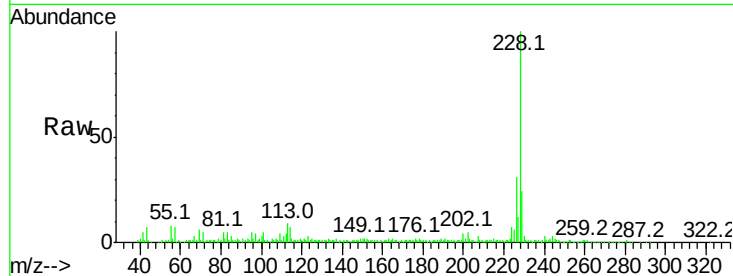
#82
Chrysene
Concen: 5.33 ng/ml
RT: 13.97 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
CH-1767-A-COMP

Tot Ion:	228	Resp:	204200
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.4
229	23.7	16.0	24.0

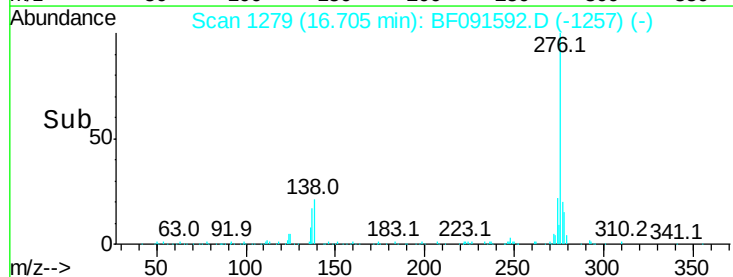
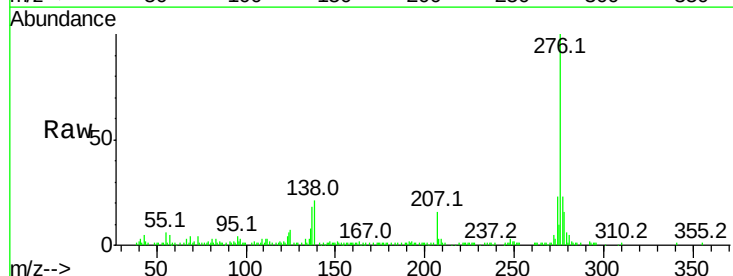
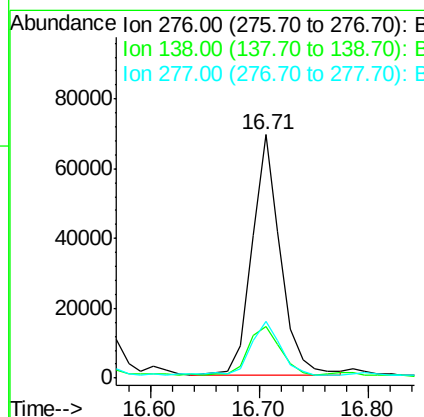
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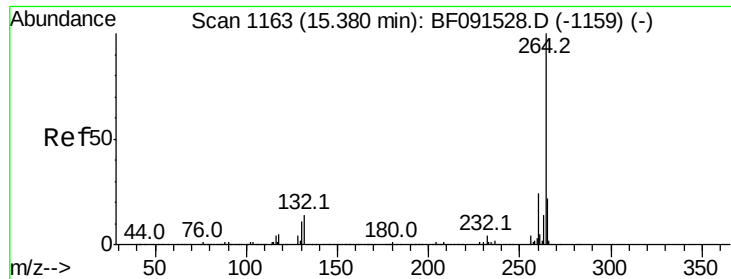
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.58 ng
RT: 16.71 min Scan# 1279
Delta R.T. -0.05 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Tgt Ion:	276	Resp:	123445
Ion Ratio	Lower	Upper	
276	100		
138	23.9	21.0	31.4
277	25.3	20.2	30.2





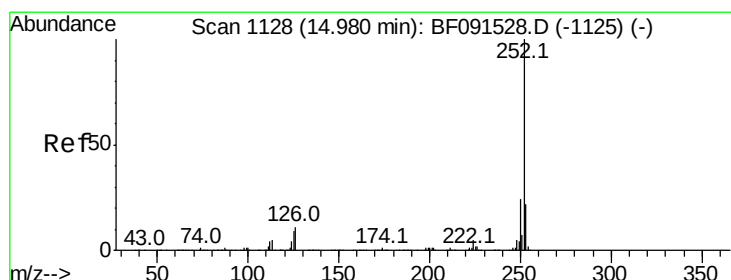
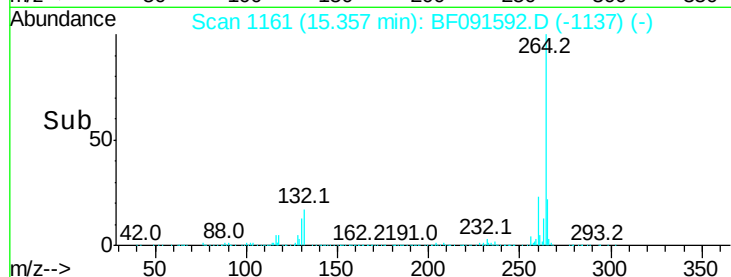
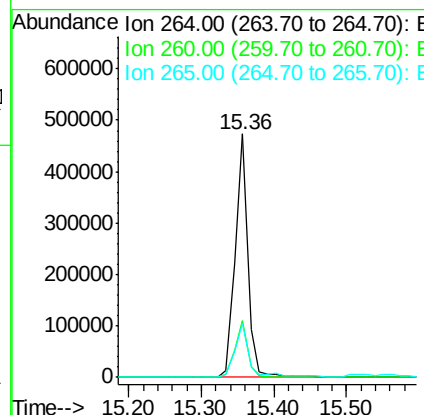
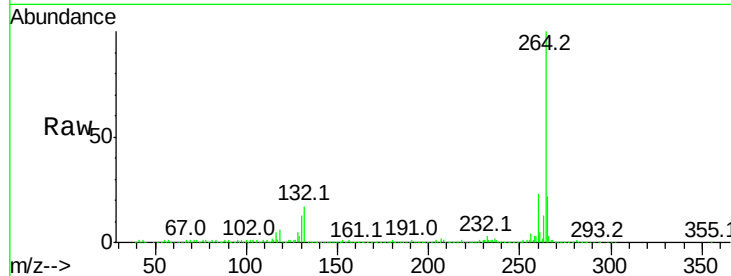
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
CH-1767-A-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	22.2	17.0	25.6

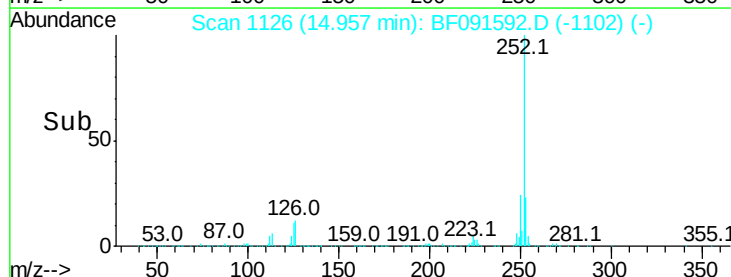
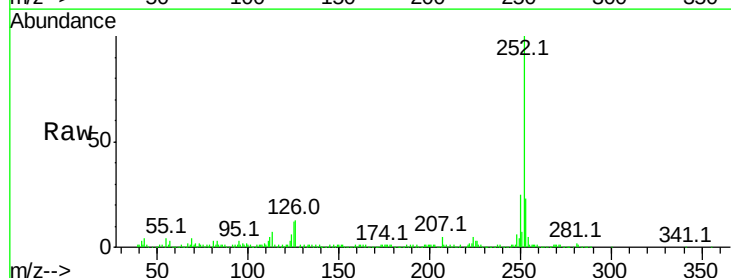
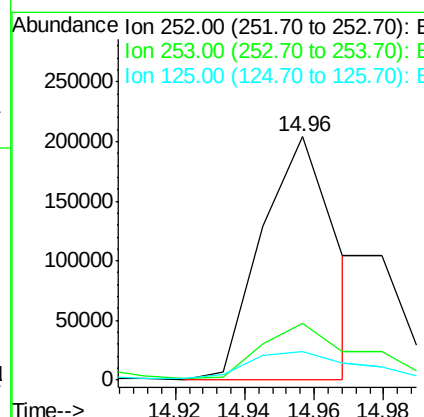
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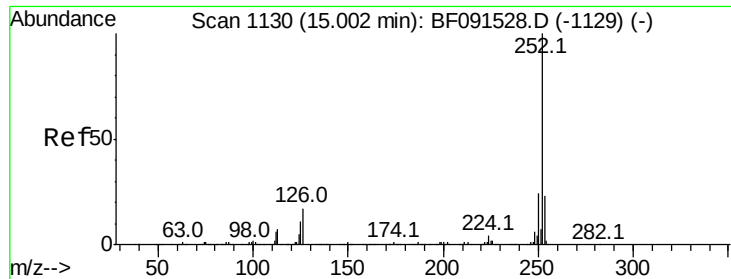
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12/15/2016 5:39:59 PM



#87
Benzo(b)fluoranthene
Concen: 8.83 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.7	8.6	13.0





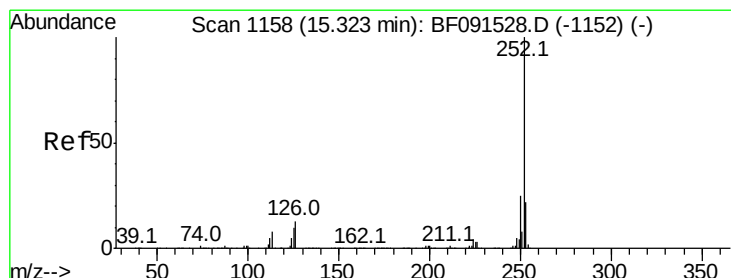
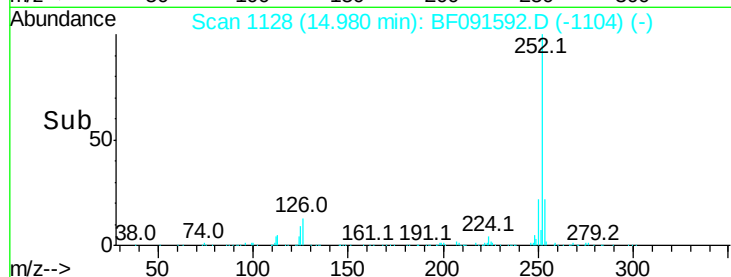
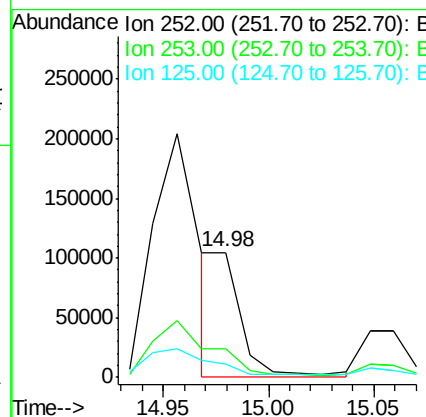
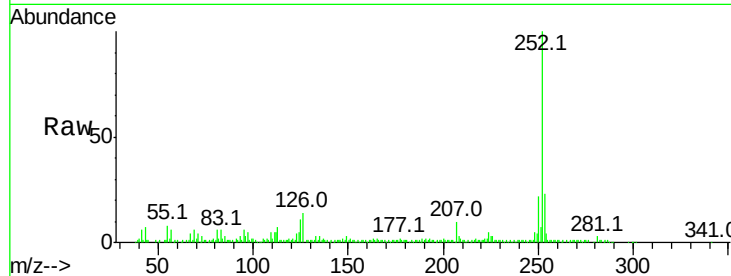
#88
Benzo(k)fluoranthene
Concen: 3.14 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
CH-1767-A-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.1	9.6	14.4

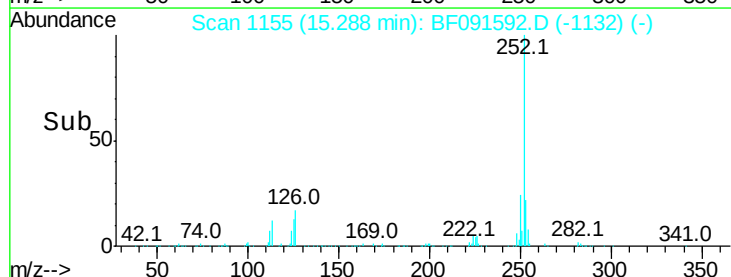
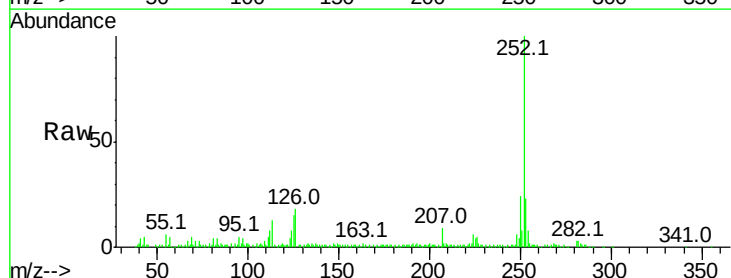
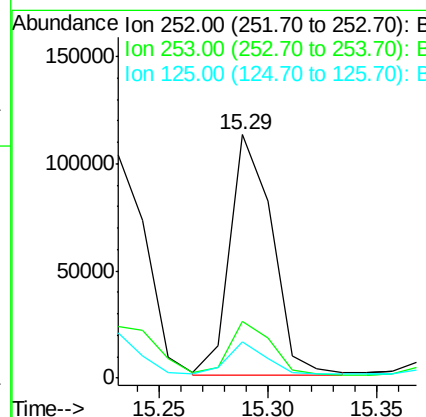
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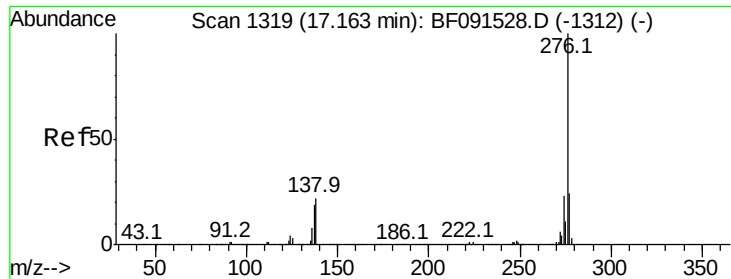
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12/15/2016 5:39:59 PM



#89
Benzo(a)pyrene
Concen: 4.88 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF091592.D
Acq: 14 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	15.0	10.4	15.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.03 ng
 RT: 17.12 min Scan# 1315
 Delta R.T. -0.05 min
 Lab File: BF091592.D
 Acq: 14 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 CH-1767-A-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.9	19.0	28.4
138	22.2	15.4	23.0

Manual Integrations
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