

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098495.D
 Acq On : 13 Sep 2017 17:49
 Operator : SJ/JU
 Sample : I5208-13 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-E

Manual Integrations
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Sohil
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Quant Time: Sep 14 06:32:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	177850	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	733210	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	312643	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	484591	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	341284	20.00	ng	-0.01
86) Perylene-d12	15.20	264	353780	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	248231	20.64	ng	-0.02
7) Phenol-d6	6.30	99	311044	20.37	ng	-0.02
23) Nitrobenzene-d5	7.22	82	178878	13.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	45099	21.61	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	335525	18.19	ng	-0.02
78) Terphenyl-d14	12.74	244	201412	12.74	ng	-0.02
Target Compounds						
57) Fluorene	10.23	166	42569	2.067	ng	96
70) Phenanthrene	11.19	178	303374	11.809	ng	98
71) Anthracene	11.24	178	77754	2.948	ng	96
74) Fluoranthene	12.37	202	331535	12.892	ng	98
77) Pyrene	12.60	202	302457	11.234	ng	100
80) Benzo(a)anthracene	13.79	228	136796	6.837	ng	96
82) Chrysene	13.83	228	132604	6.556	ng	98
85) Indeno(1,2,3-cd)pyrene	16.54	276	53174	3.747	ng	96
87) Benzo(b)fluoranthene	14.81	252	149592m	6.725	ng	
88) Benzo(k)fluoranthene	14.83	252	59727m	2.876	ng	
89) Benzo(a)pyrene	15.14	252	114925	5.799	ng	97
91) Benzo(a,h,i)perylene	16.94	276	53218	3.670	ng	96

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

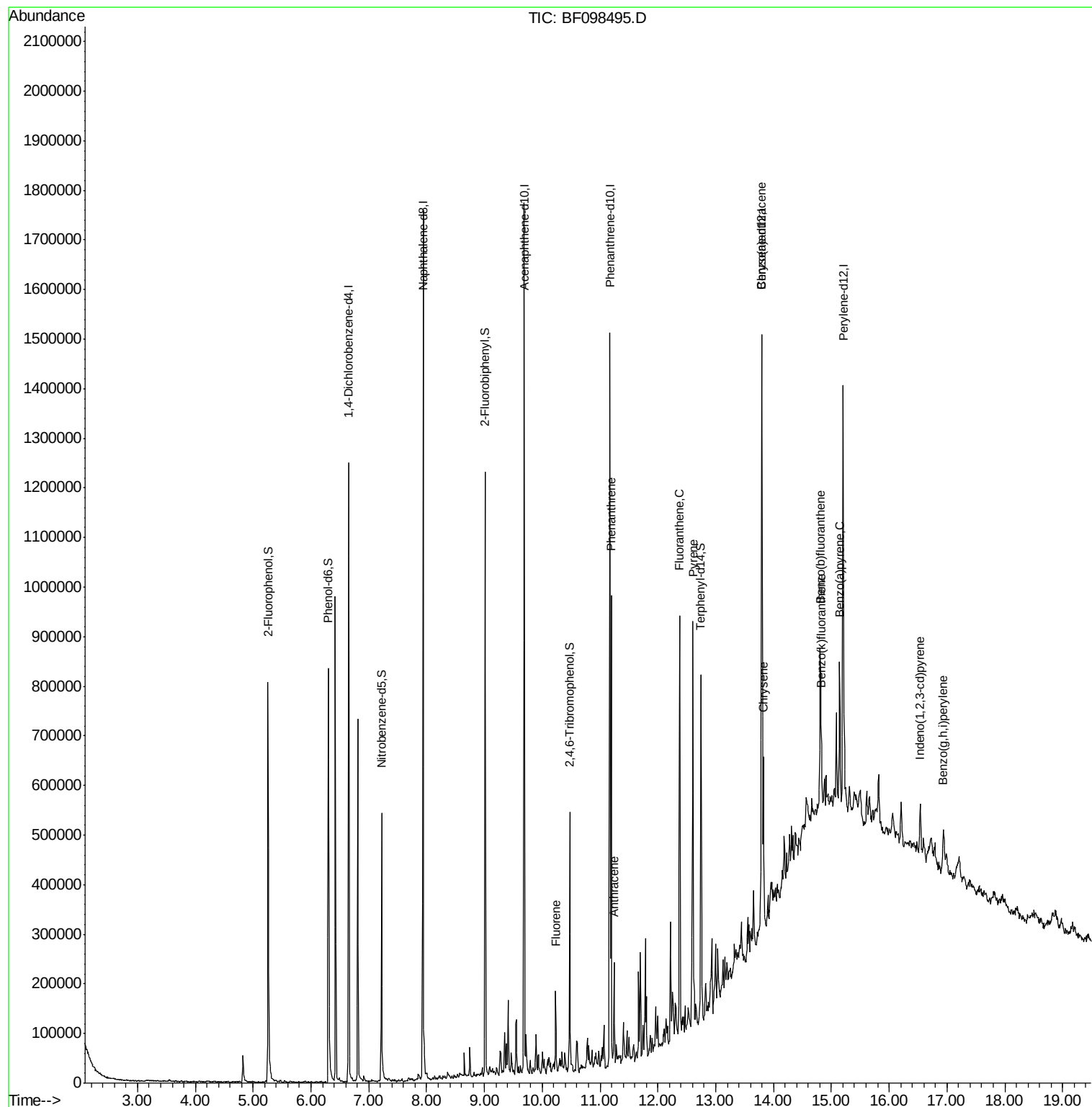
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098495.D
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ALS Vial : 13 Sample Multiplier: 1

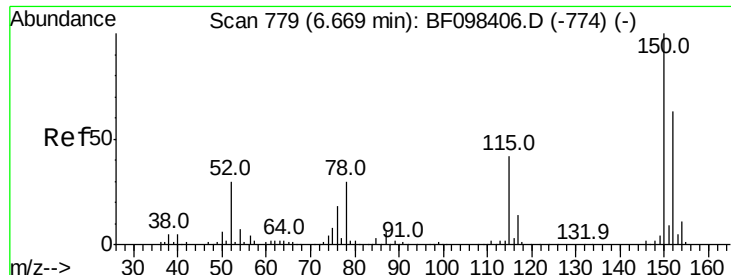
Instrument :
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CL-02-091117-E

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Quant Time: Sep 14 06:32:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

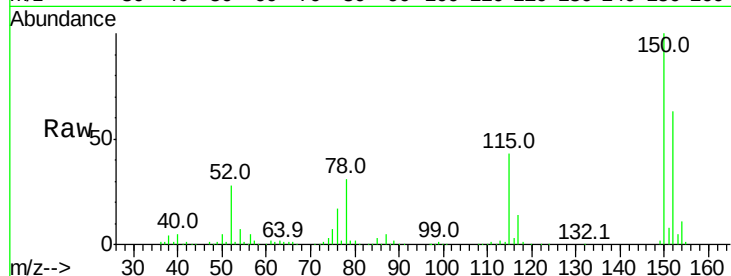
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	68.3	52.2	78.2

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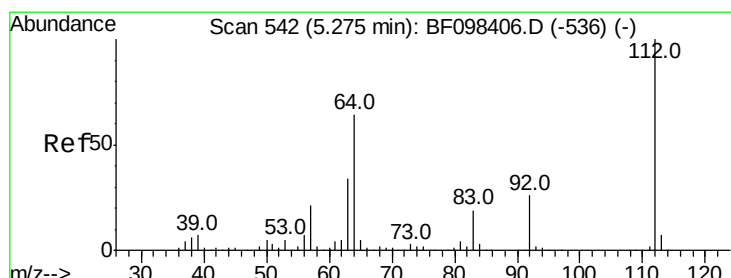
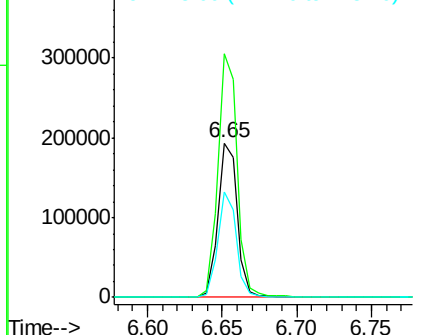
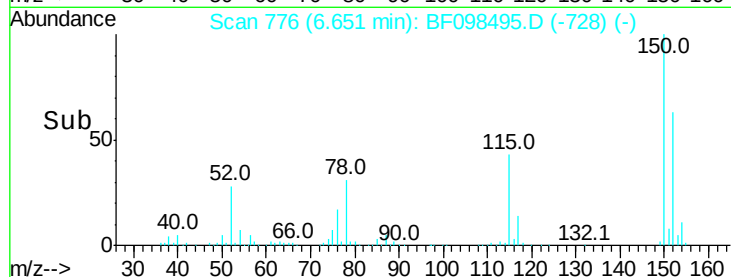


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

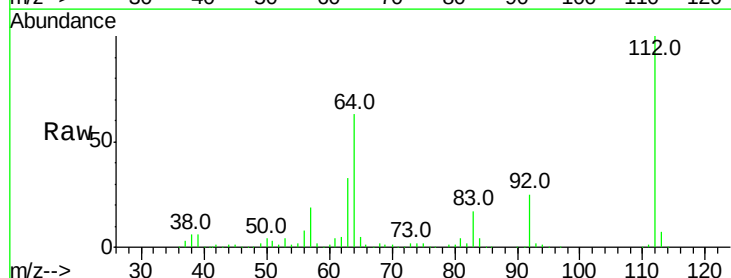
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.636 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	46.0	69.0
63	32.7	23.4	35.0

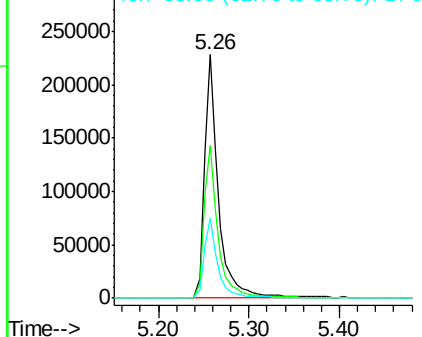
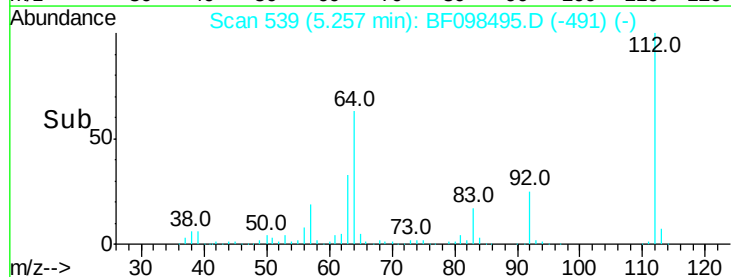


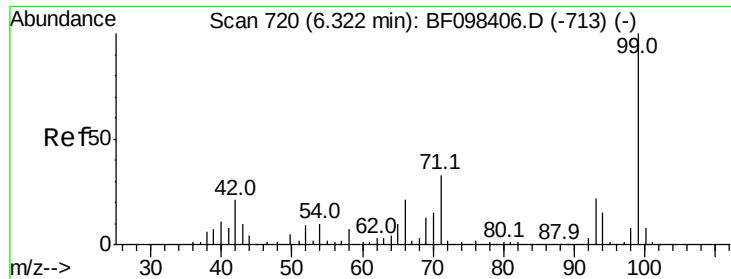
Abundance

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: 20.366 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Instrument :

BNA_F

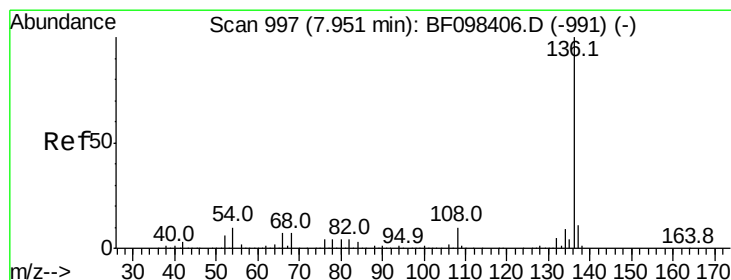
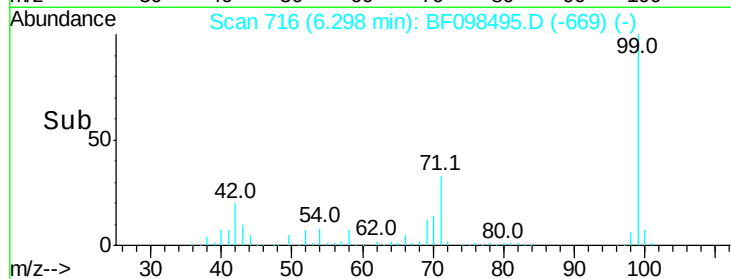
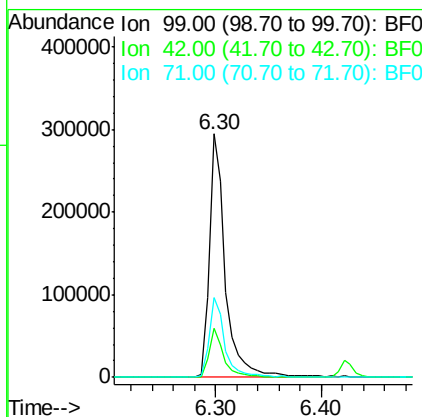
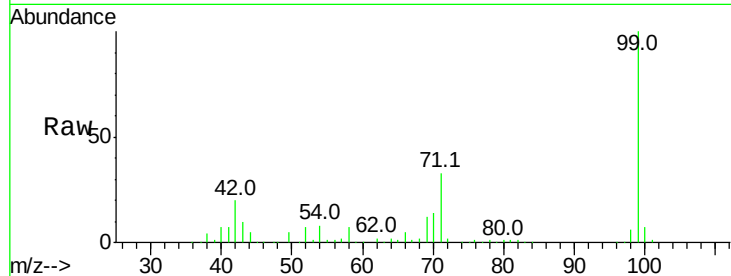
ClientSampleId :

CL-02-091117-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		311044		
42	20.1	13.5	20.3		
71	32.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

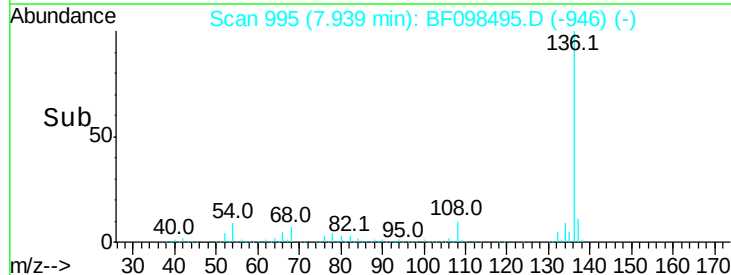
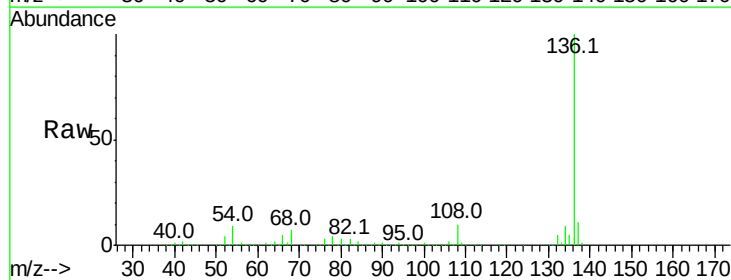
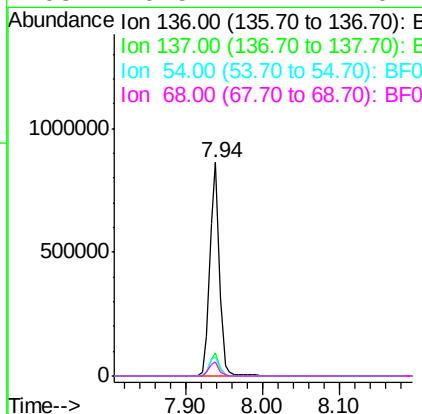
RT: 7.94 min Scan# 995

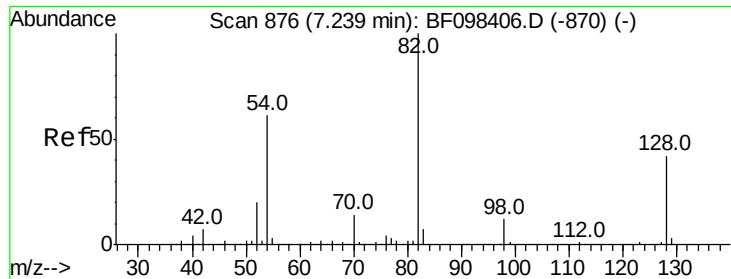
Delta R.T. -0.01 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		733210		
137	10.9	8.5	12.7		
54	9.3	4.9	7.3#		
68	6.5	4.1	6.1#		





#23

Nitrobenzene-d5

Concen: 13.601 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Instrument :

BNA_F

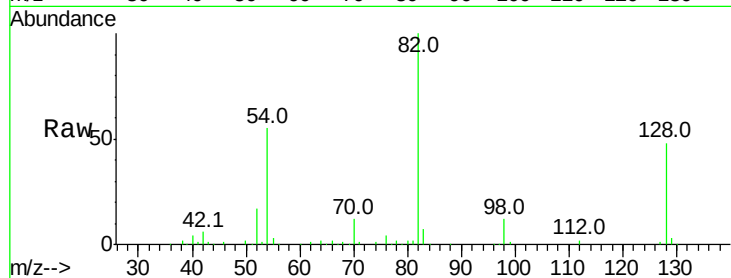
ClientSampleId :

CL-02-091117-E

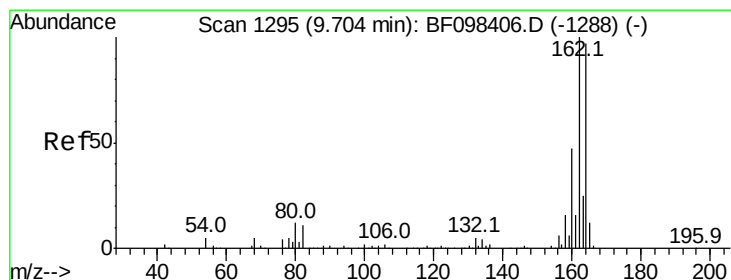
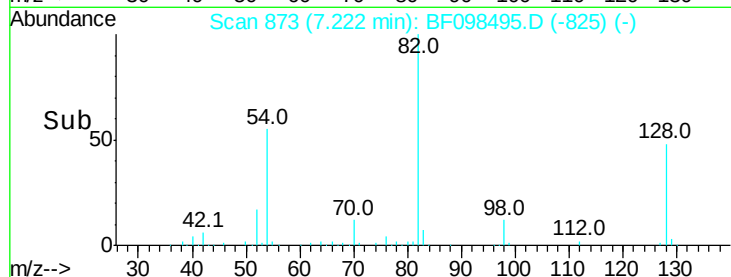
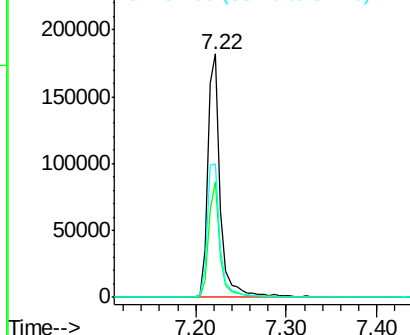
Tot Ion	82	Resp	178878
Ion Ratio	Lower	Upper	
82	100		
128	47.5	34.0	51.0
54	54.9	42.2	63.2

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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: 20.000 ng

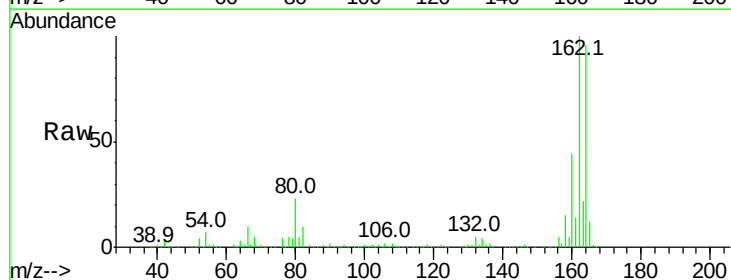
RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

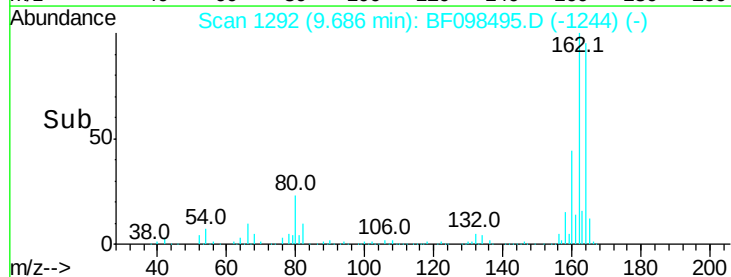
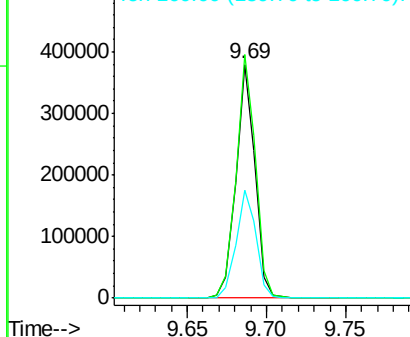
Lab File: BF098495.D

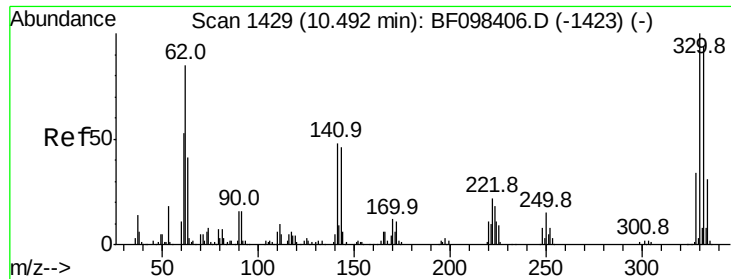
Acq: 13 Sep 2017 17:49

Tgt Ion	164	Resp	312643
Ion Ratio	Lower	Upper	
164	100		
162	104.3	82.6	123.8
160	46.3	36.2	54.2



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





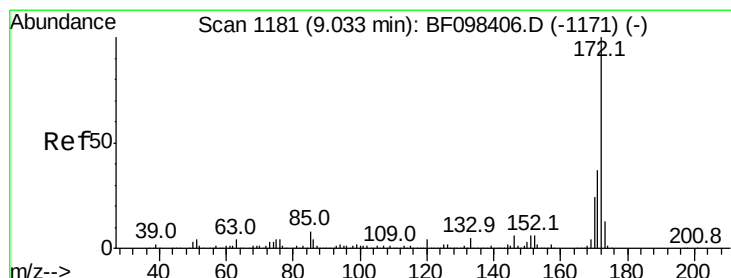
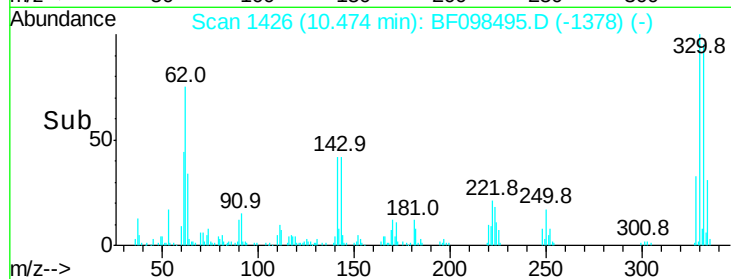
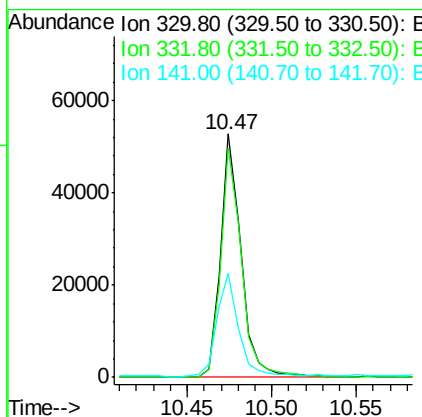
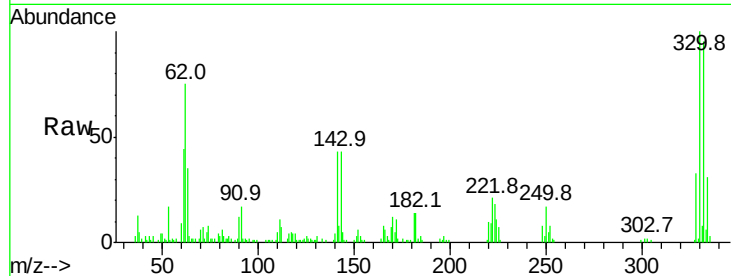
#41
 2,4,6-Tribromophenol
 Concen: 21.613 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098495.D
 Acq: 13 Sep 2017 17:49

Instrument :
 BNA_F
 ClientSampled :
 CL-02-091117-E

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.6	115.0	
141	46.8	31.4	47.2	

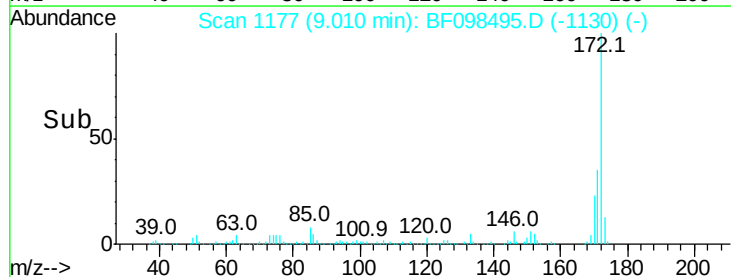
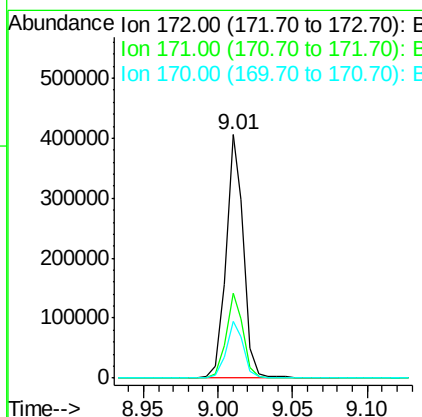
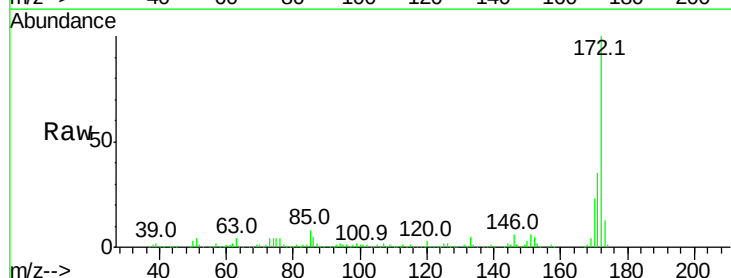
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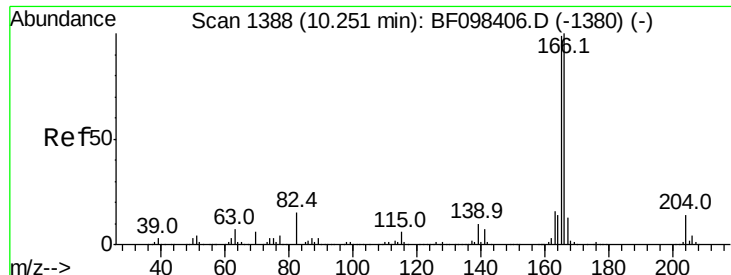
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#44
 2-Fluorobiphenyl
 Concen: 18.190 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098495.D
 Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.9	29.6	44.4	
170	23.3	19.8	29.8	





#57

Fluorene

Concen: 2.067 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Instrument :

BNA_F

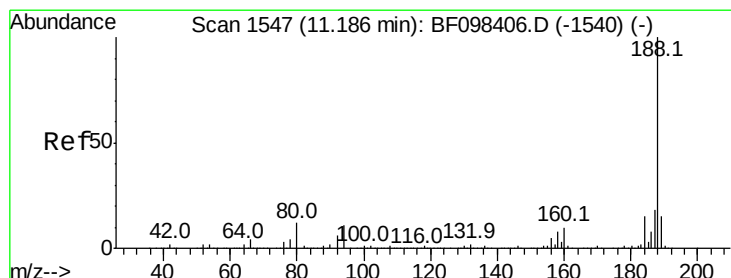
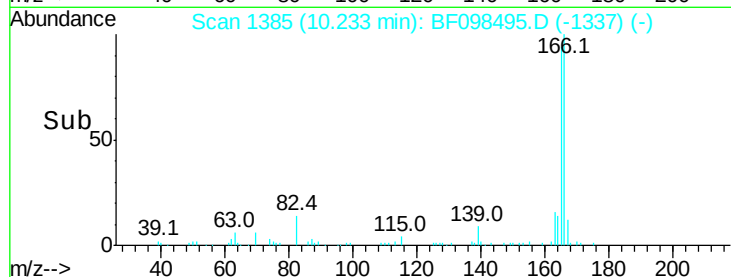
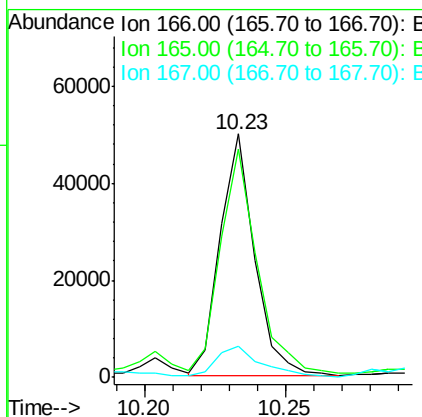
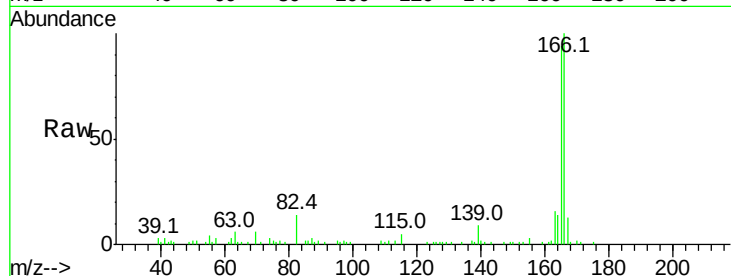
ClientSampleId :

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Tot Ion:	166	Resp:	42569
Ion Ratio	Lower	Upper	
166	100		
165	94.0	78.8	118.2
167	13.0	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

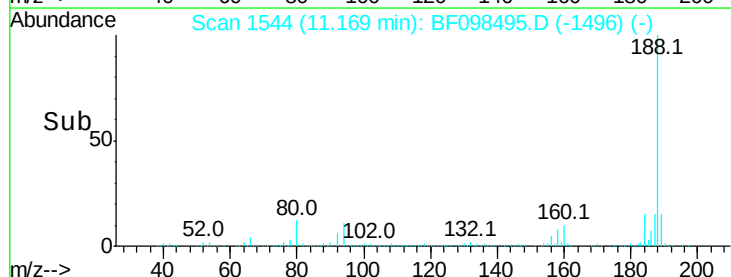
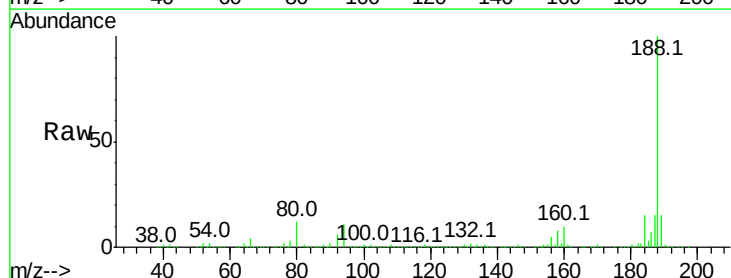
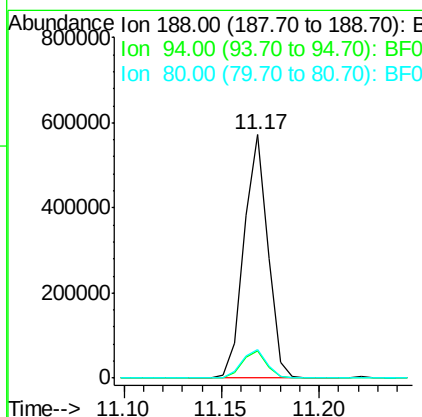
RT: 11.17 min Scan# 1544

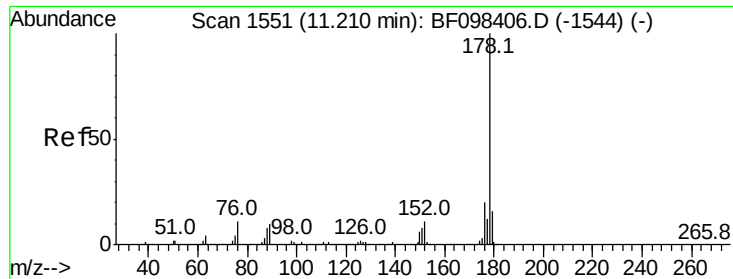
Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Tgt Ion:	188	Resp:	484591
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	12.0	10.2	15.2





#70

Phenanthrene

Concen: 11.809 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Instrument :

BNA_F

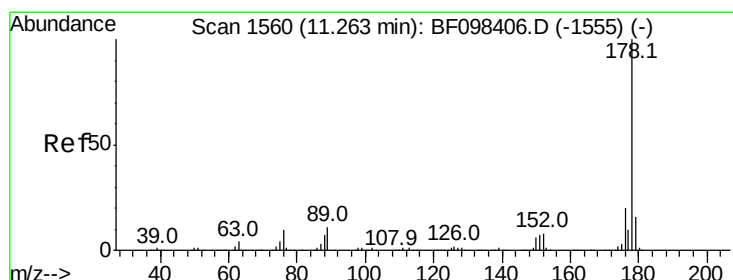
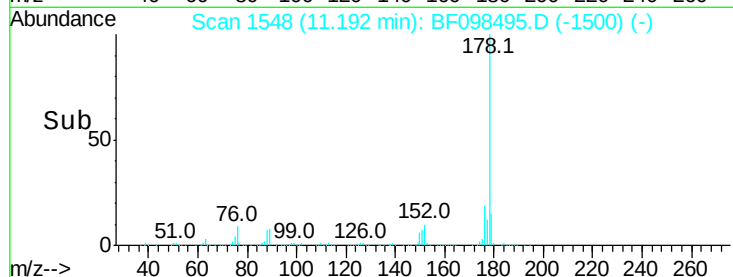
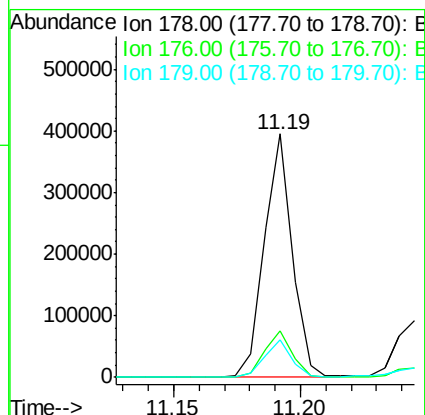
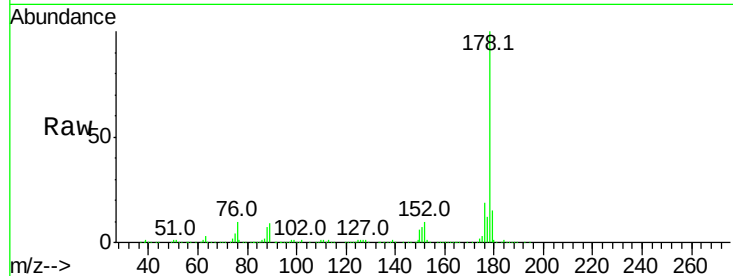
ClientSampleId :

CL-02-091117-E

Tot Ion:	178	Resp:	303374
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.2	12.6	19.0

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#71

Anthracene

Concen: 2.948 ng

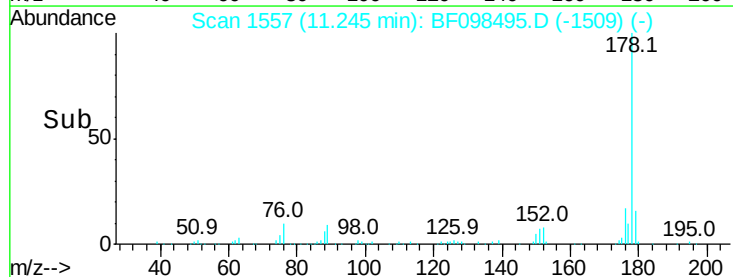
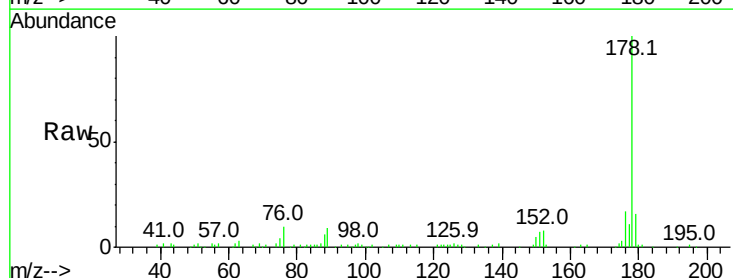
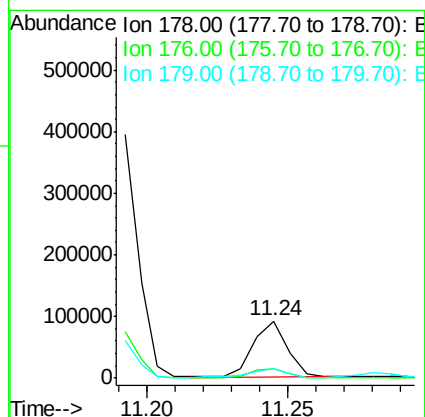
RT: 11.24 min Scan# 1557

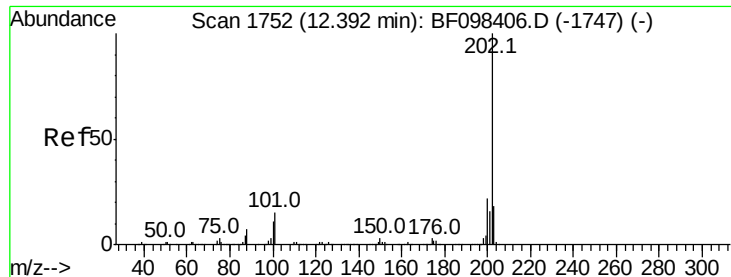
Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Tgt Ion:	178	Resp:	77754
Ion Ratio	Lower	Upper	
178	100		
176	16.7	15.8	23.8
179	16.1	12.7	19.1





#74

Fluoranthene

Concen: 12.892 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Instrument :

BNA_F

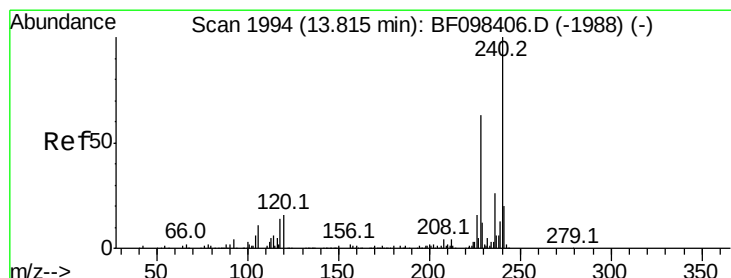
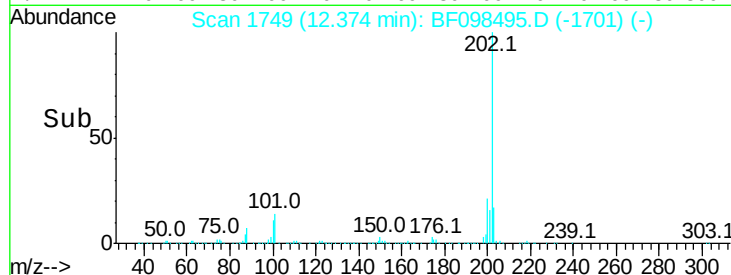
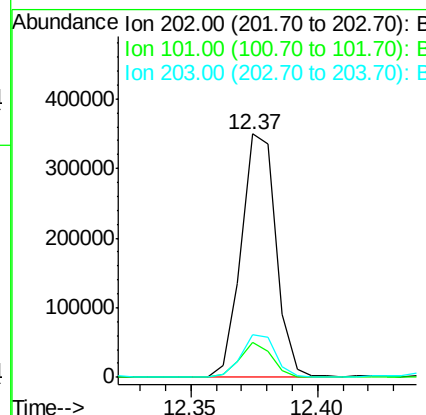
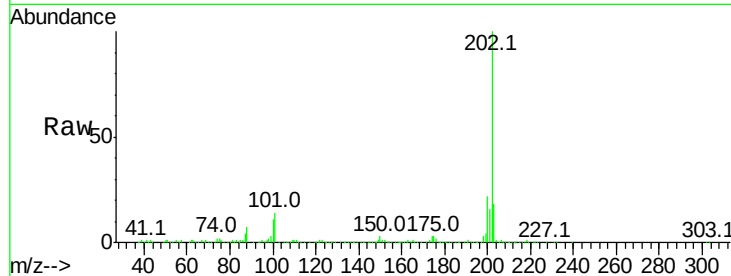
ClientSampleId :

CL-02-091117-E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

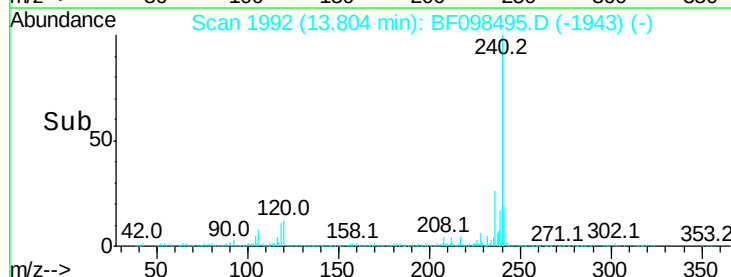
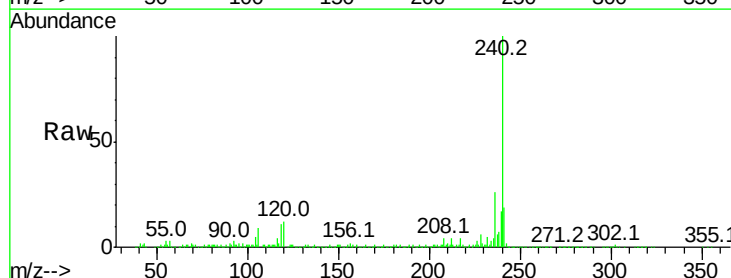
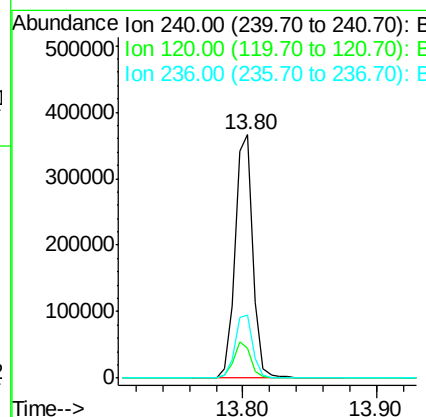
RT: 13.80 min Scan# 1992

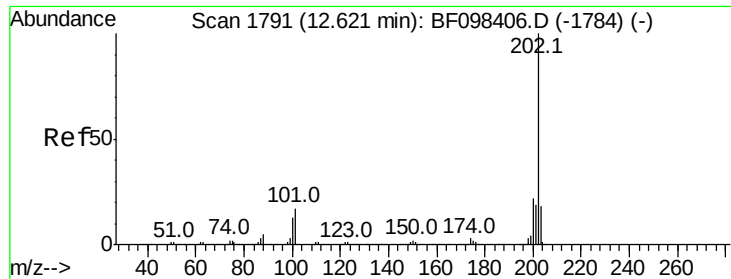
Delta R.T. -0.01 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 11.234 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

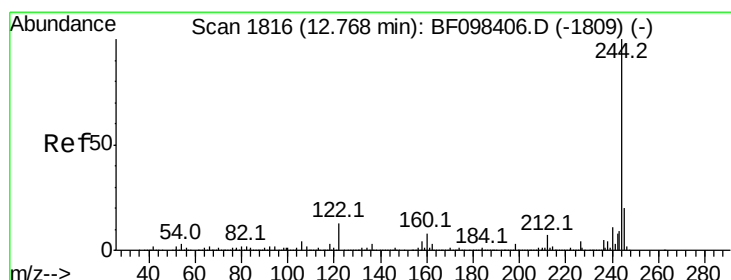
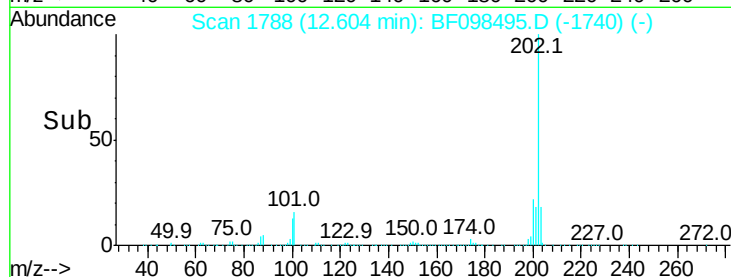
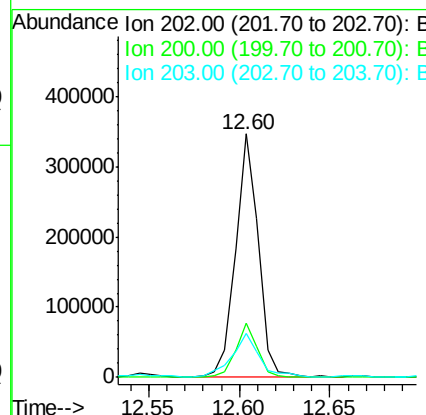
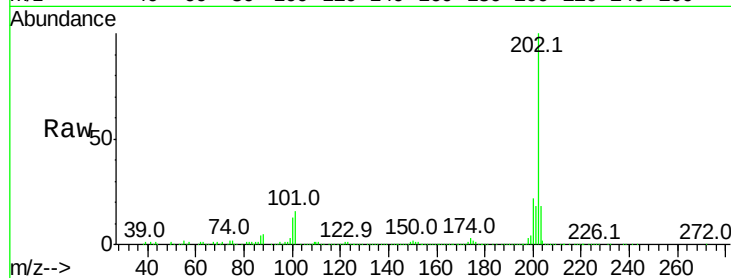
Instrument :
BNA_F

ClientSampleId :
CL-02-091117-E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.2	17.6	26.4
203	18.0	14.4	21.6

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9/14/2017 5:52:35 PM



#78

Terphenyl-d14

Concen: 12.738 ng

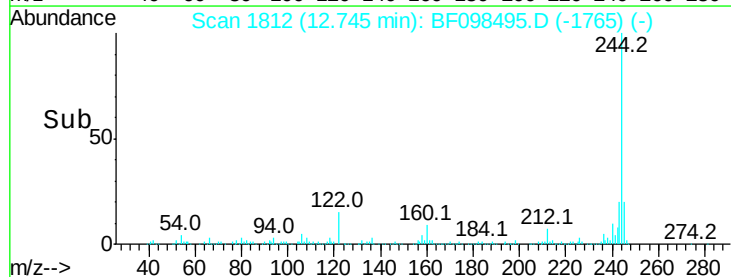
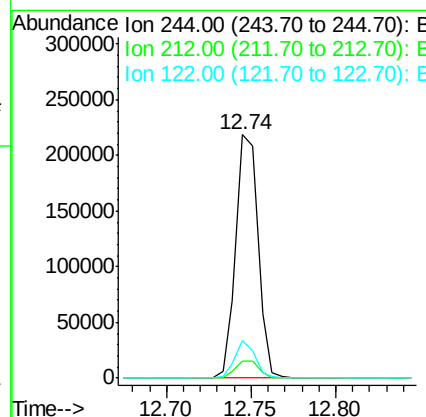
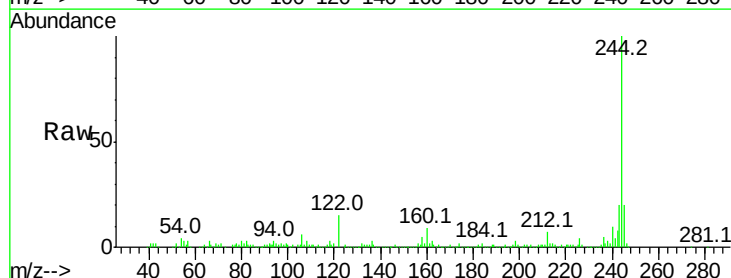
RT: 12.74 min Scan# 1812

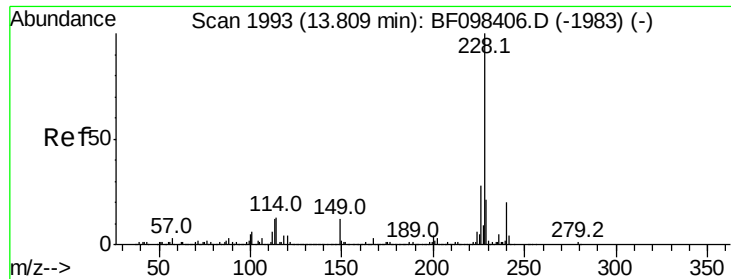
Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.5	10.3	15.5#





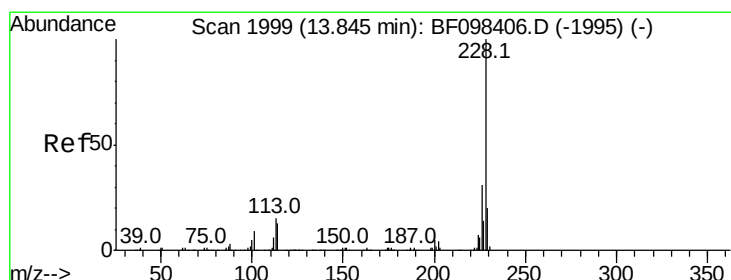
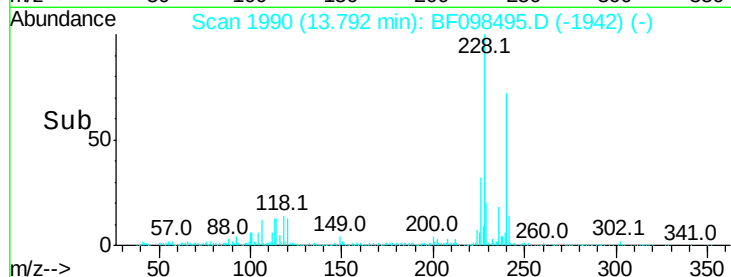
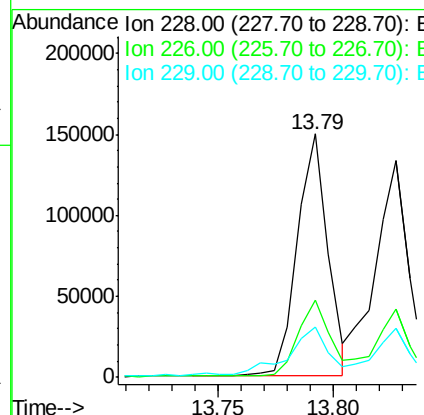
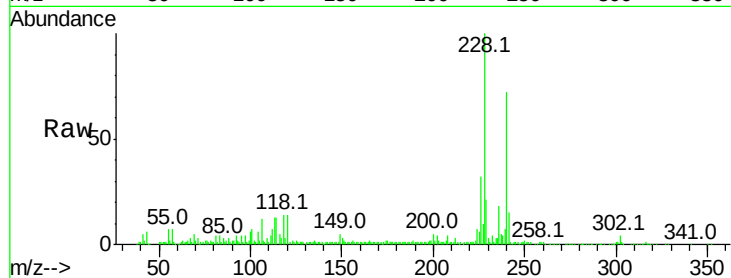
#80
Benzo(a)anthracene
Concen: 6.837 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-E

Tot Ion	Ratio	Resp	Lower	Upper
228	100	136796		
226	31.9	22.6	33.8	
229	20.5	16.3	24.5	

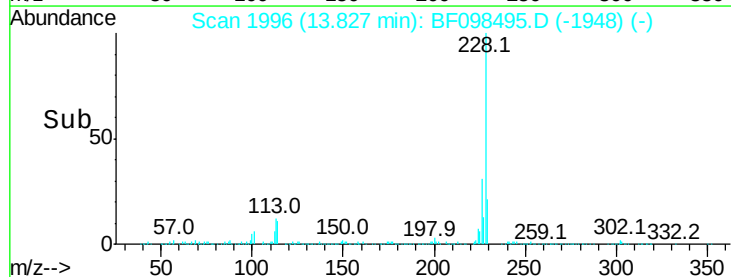
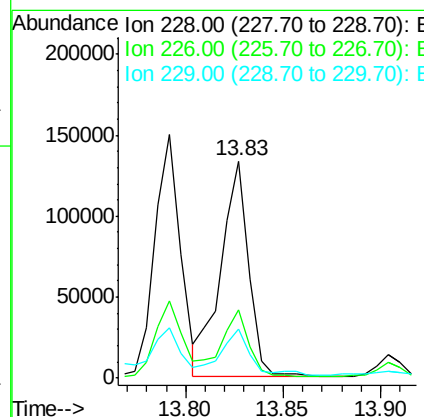
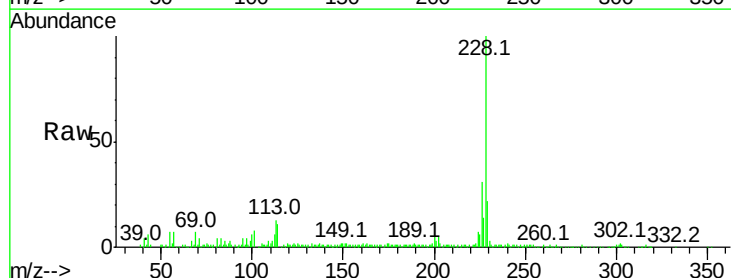
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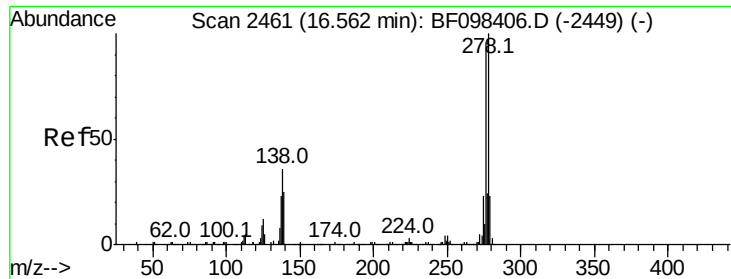
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#82
Chrysene
Concen: 6.556 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	132604		
226	31.3	24.9	37.3	
229	22.3	15.8	23.6	





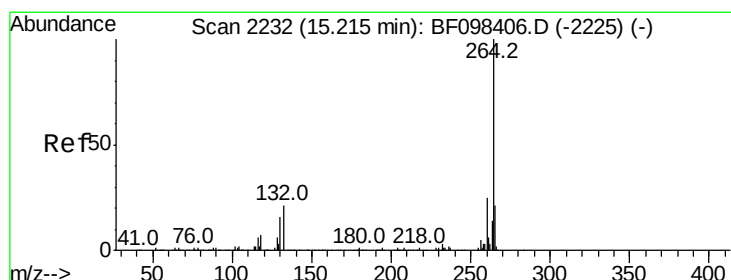
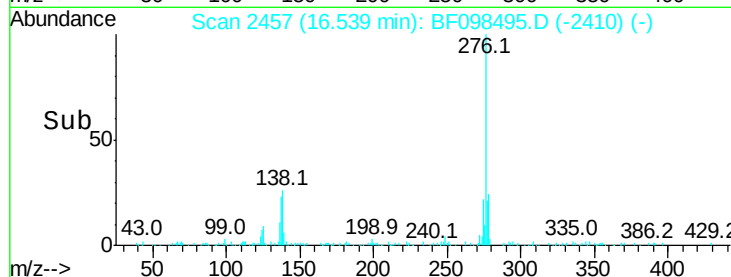
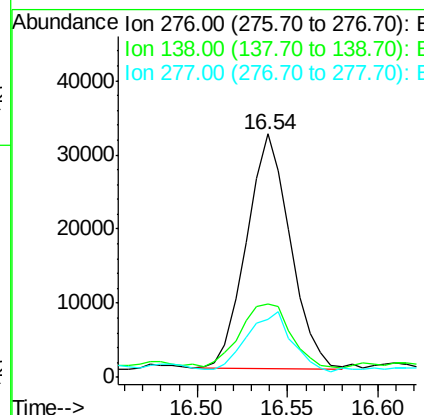
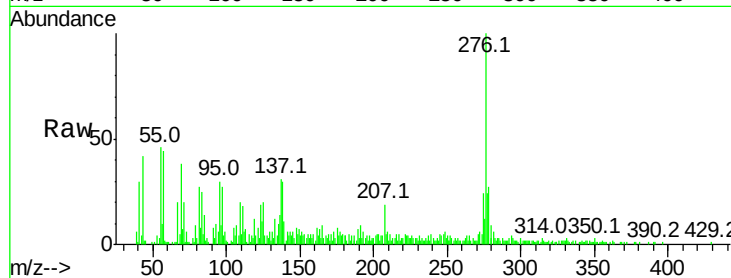
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.747 ng
RT: 16.54 min Scan# 2457
Delta R.T. -0.02 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	26.2	20.2	30.4

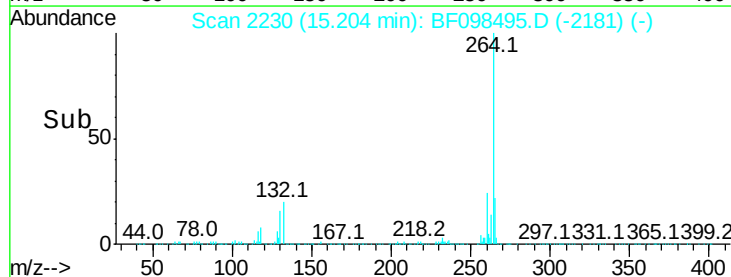
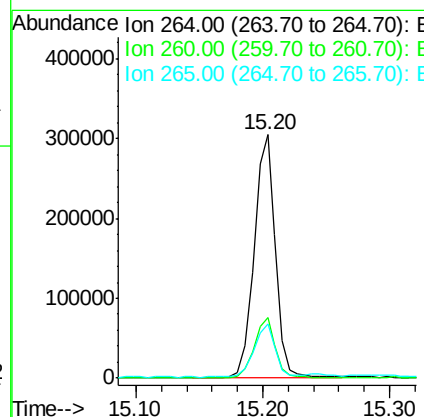
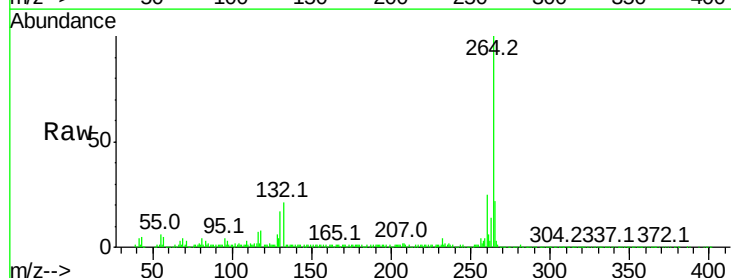
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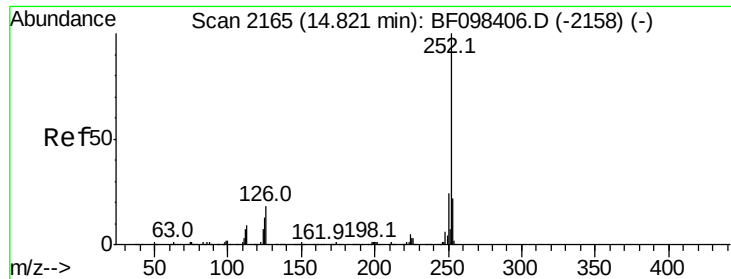
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.725 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Instrument :

BNA_F

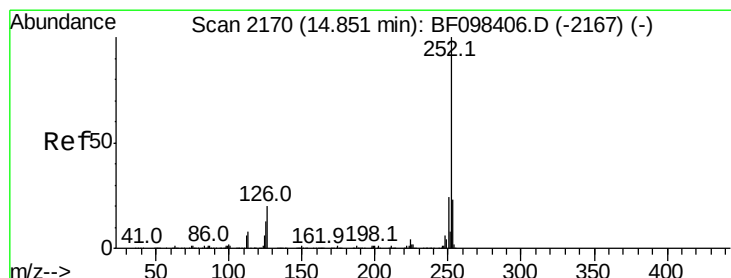
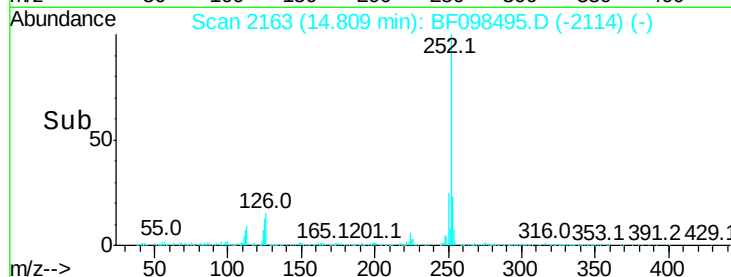
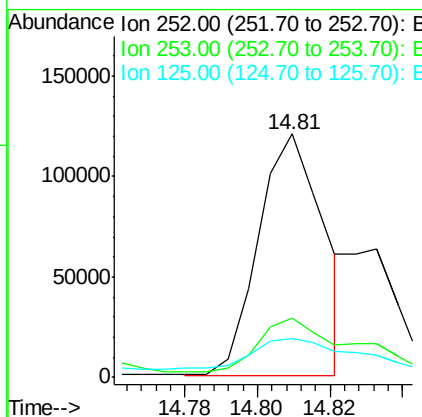
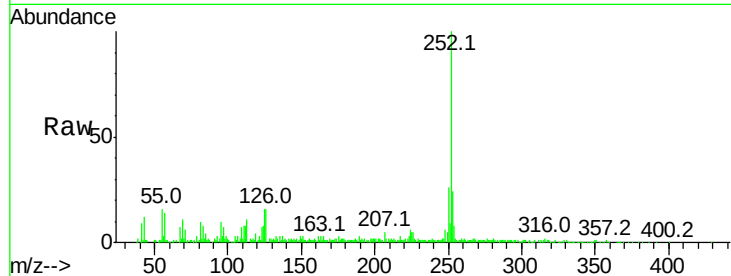
ClientSampleId :

CL-02-091117-E

Tot Ion:	252	Resp:	149592
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.1	27.1
125	15.8	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 2.876 ng m

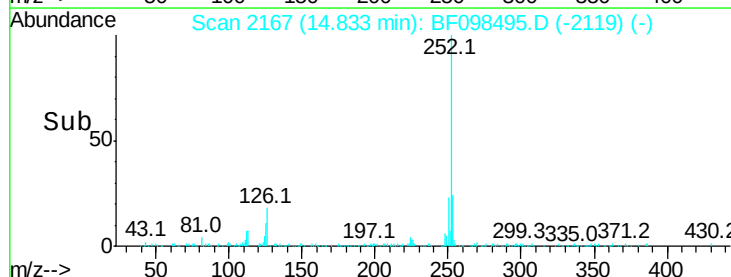
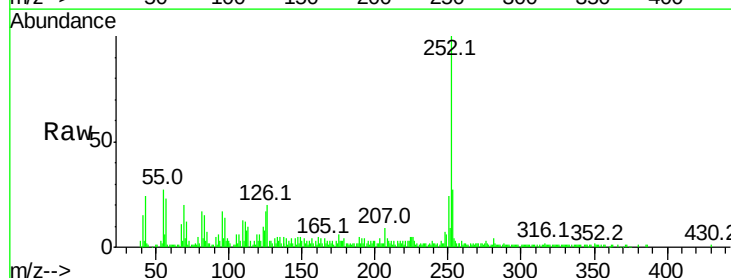
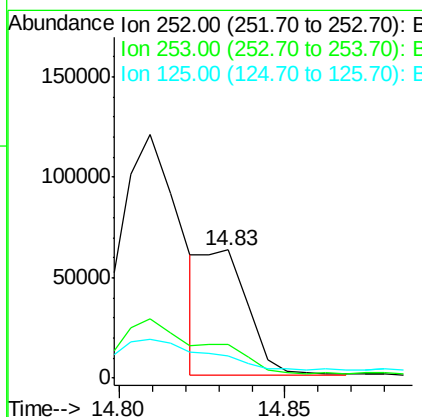
RT: 14.83 min Scan# 2167

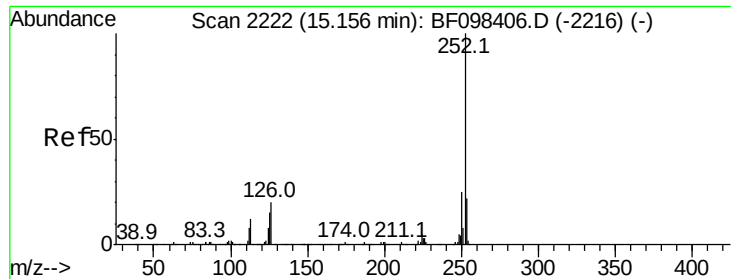
Delta R.T. -0.02 min

Lab File: BF098495.D

Acq: 13 Sep 2017 17:49

Tgt Ion:	252	Resp:	59727
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.4	27.6
125	17.2	13.1	19.7





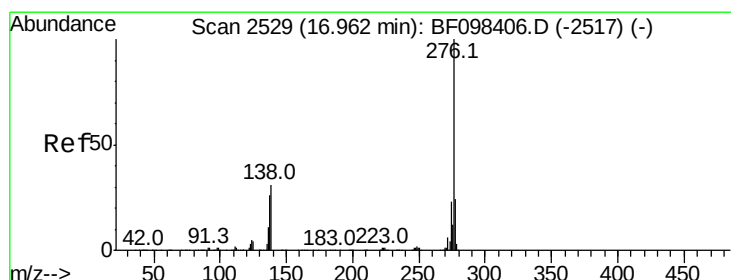
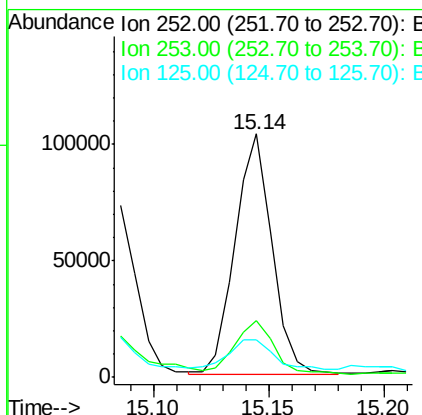
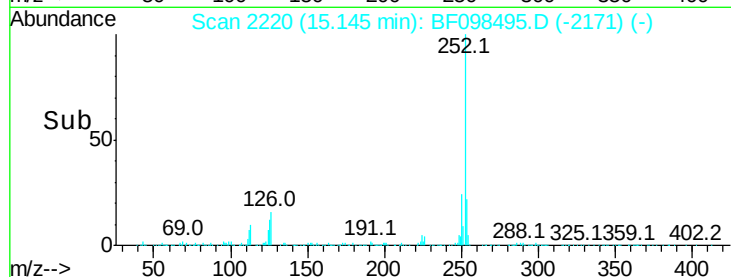
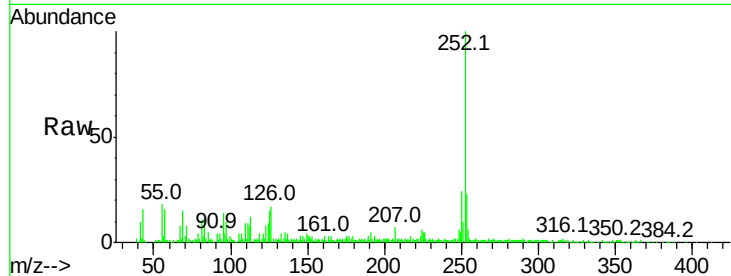
#89
Benzo(a)pyrene
Concen: 5.799 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-E

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.5	26.3
125	15.4	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.670 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF098495.D
Acq: 13 Sep 2017 17:49

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	26.3	18.6	28.0
138	30.1	25.4	38.0

