

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098489.D
 Acq On : 13 Sep 2017 14:51
 Operator : SJ/JU
 Sample : I5208-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 9/14/2017 5:52:22 PM

Quant Time: Sep 13 19:08:51 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	180251	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	748758	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	316399	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	500431	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	361208	20.00	ng	-0.01
86) Perylene-d12	15.20	264	312415	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	898235	73.68	ng	-0.02
7) Phenol-d6	6.30	99	1127169	72.82	ng	-0.02
23) Nitrobenzene-d5	7.22	82	663245	49.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	170896	80.93	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1131007	60.59	ng	-0.02
78) Terphenyl-d14	12.75	244	758073	45.30	ng	-0.02
Target Compounds						
48) Acenaphthylene	9.55	152	130127	4.327	ng	Qvalue # 96
49) Dimethylphthalate	9.41	163	204968	8.369	ng	97
57) Fluorene	10.23	166	69110	3.316	ng	96
70) Phenanthrene	11.19	178	523561	19.735	ng	98
71) Anthracene	11.24	178	143065	5.252	ng	98
74) Fluoranthene	12.37	202	522607	19.678	ng	98
77) Pyrene	12.60	202	829779	29.121	ng	99
80) Benzo(a)anthracene	13.79	228	353089m	16.673	ng	
82) Chrysene	13.83	228	383553	17.918	ng	98
85) Indeno(1,2,3-cd)pyrene	16.54	276	111064	7.395	ng	92
87) Benzo(b)fluoranthene	14.81	252	320426m	16.312	ng	
88) Benzo(k)fluoranthene	14.83	252	74970m	4.088	ng	
89) Benzo(a)pyrene	15.14	252	237320	13.561	ng	96
90) Dibenzo(a,h)anthracene	16.54	278	34327	2.696	ng	# 70
91) Benzo(a,h,i)perylene	16.94	276	121327	9.475	ng	97

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

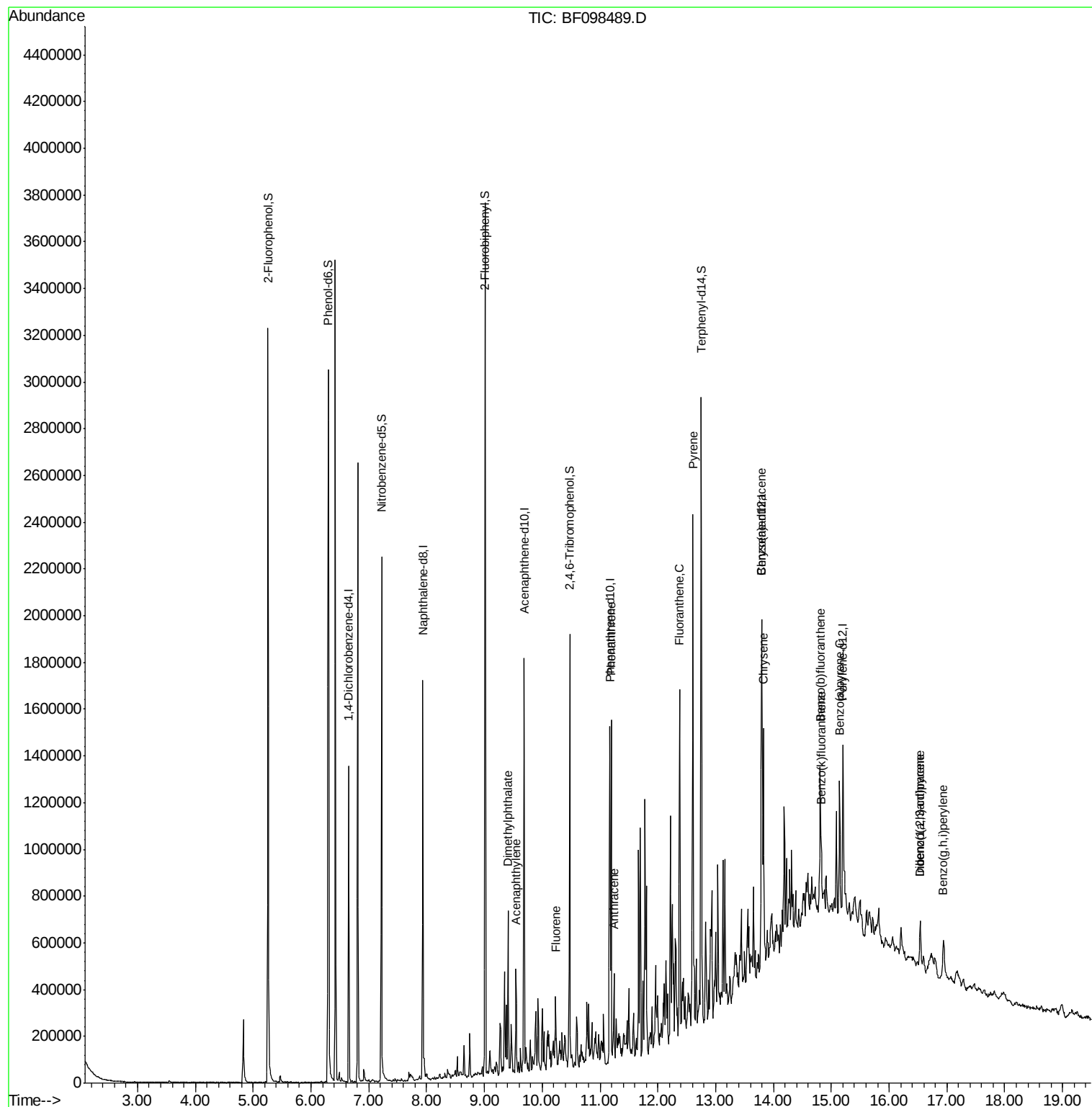
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
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ALS Vial : 9 Sample Multiplier: 1

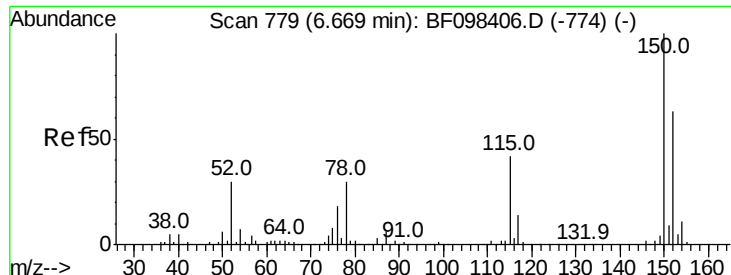
Instrument :
BNA_F
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CL-02-091117-C

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

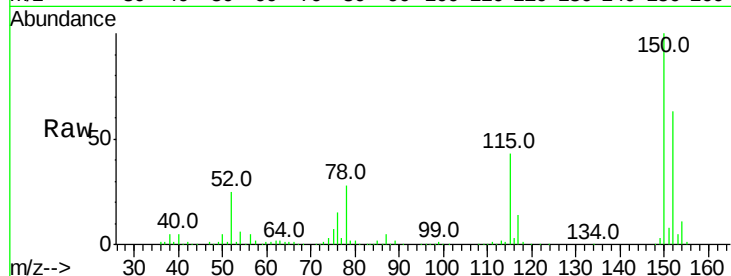
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

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

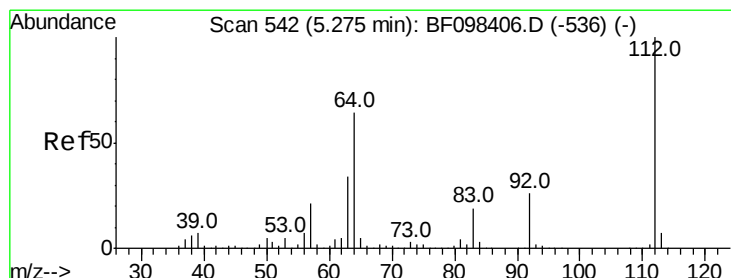
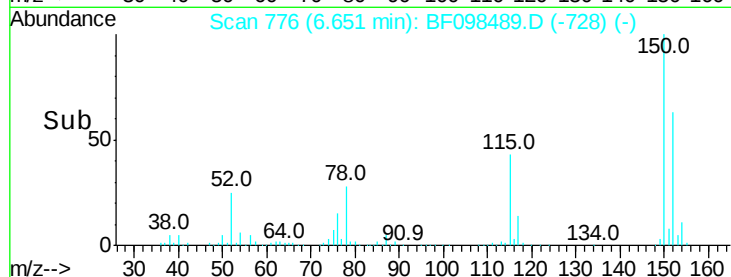
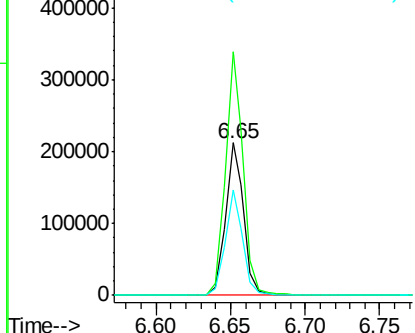
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	69.5	52.2	78.2

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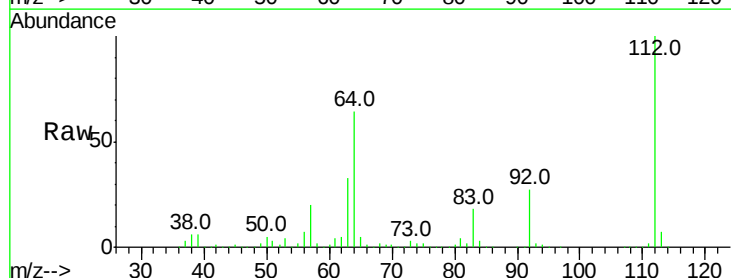
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



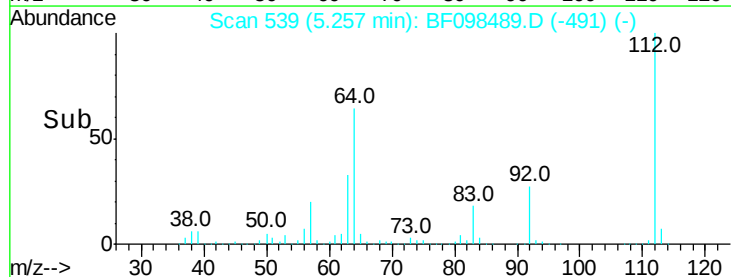
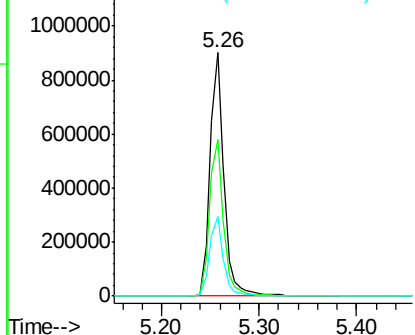
#5

2-Fluorophenol
Concen: 73.678 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	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: 72.820 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

ClientSampleId :

CL-02-091117-C

Tot Ion: 99 Resp: 1127169

Ion Ratio Lower Upper

99 100

42 18.9 13.5 20.3

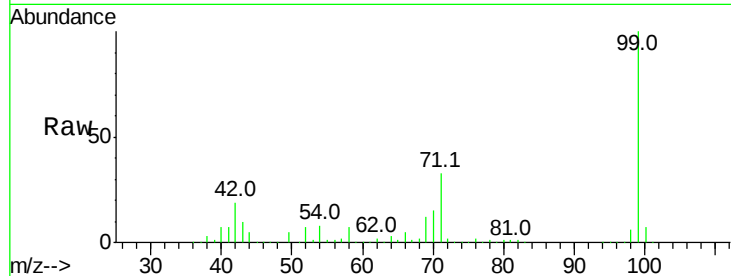
71 33.3 24.5 36.7

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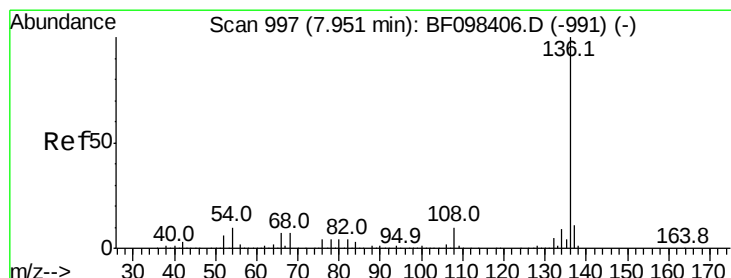
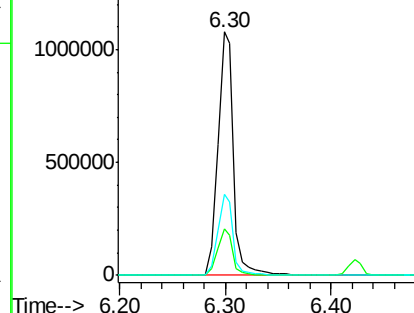
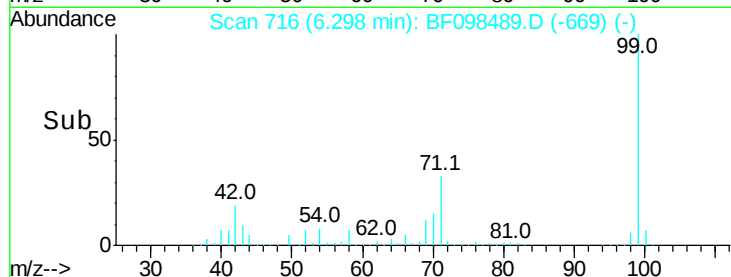
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion: 136 Resp: 748758

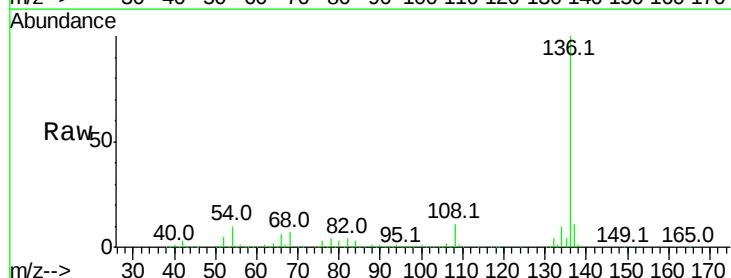
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 10.4 4.9 7.3#

68 7.0 4.1 6.1#

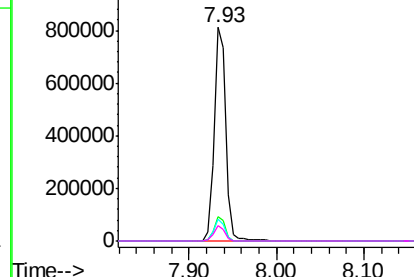
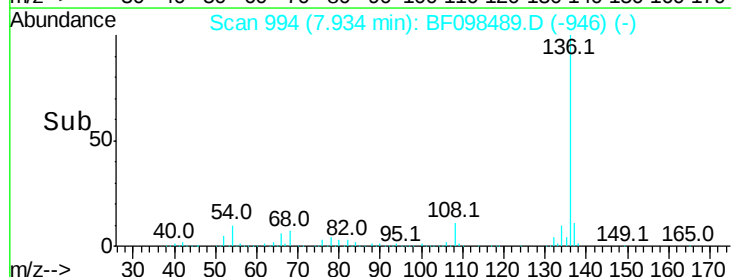


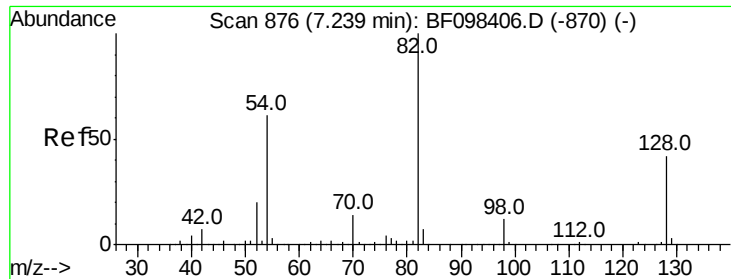
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 49.383 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

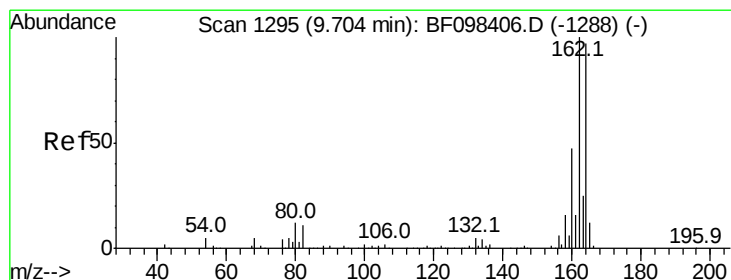
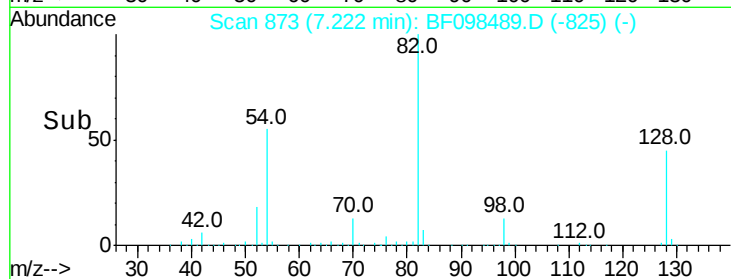
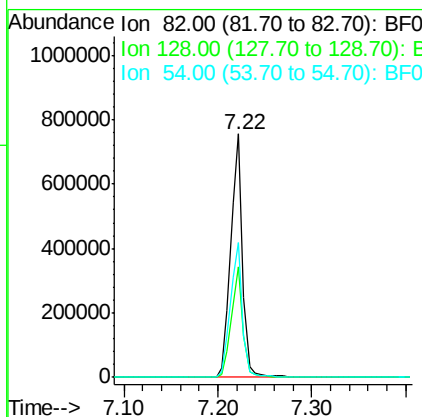
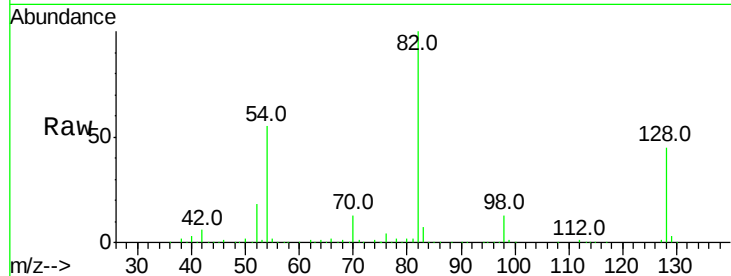
ClientSampleId :

CL-02-091117-C

Tot Ion:	82	Resp:	663245
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.0	51.0
54	55.1	42.2	63.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

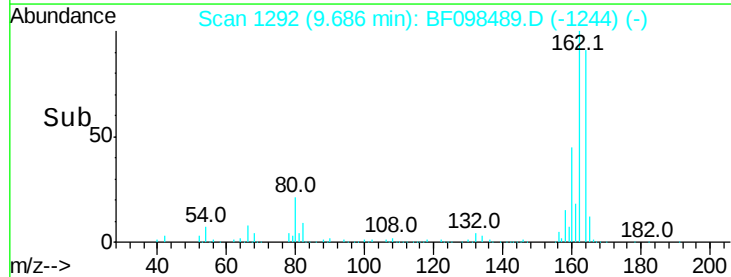
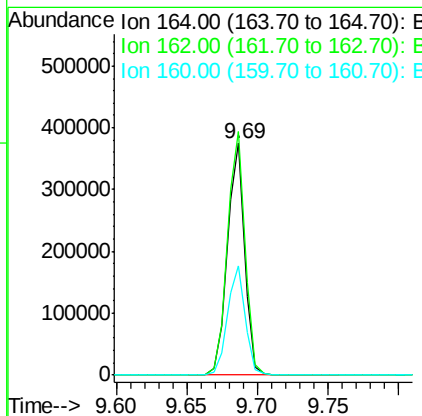
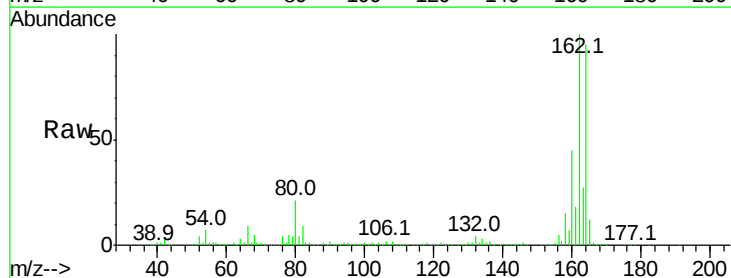
RT: 9.69 min Scan# 1292

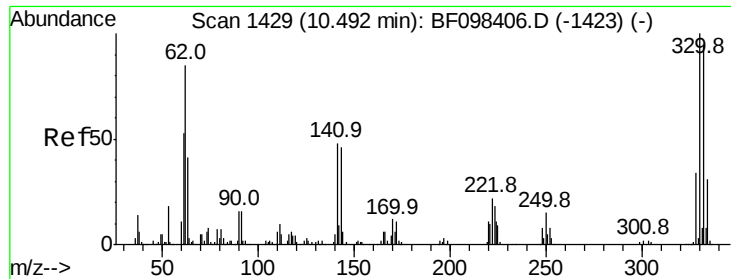
Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion:	164	Resp:	316399
Ion Ratio	Lower	Upper	
164	100		
162	105.1	82.6	123.8
160	47.1	36.2	54.2





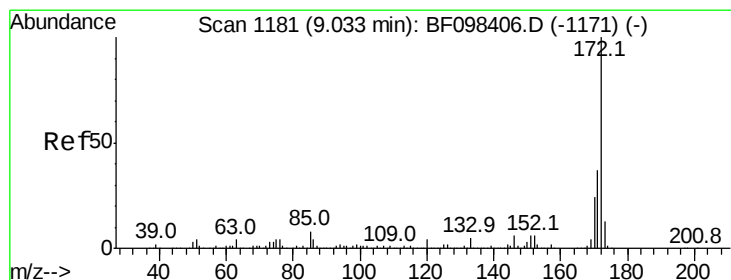
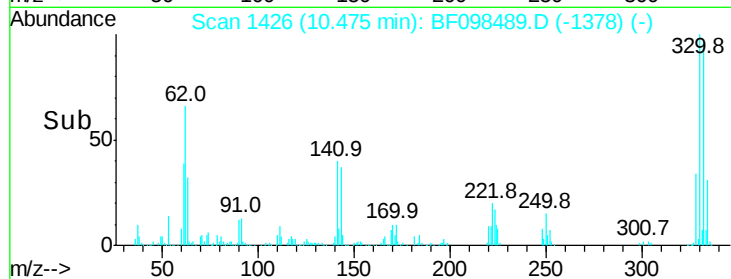
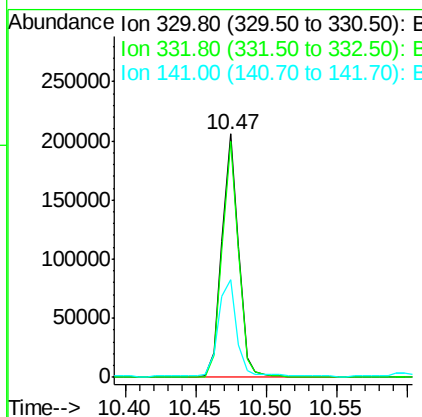
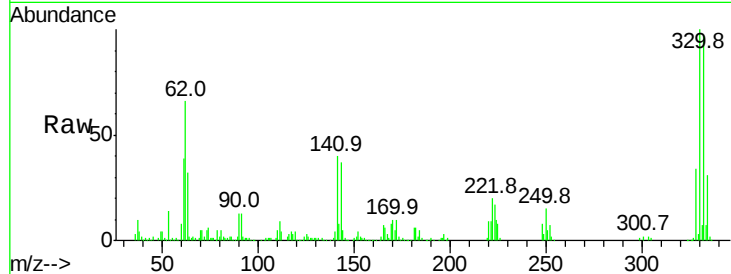
#41
 2,4,6-Tribromophenol
 Concen: 80.928 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.6	115.0	
141	45.3	31.4	47.2	

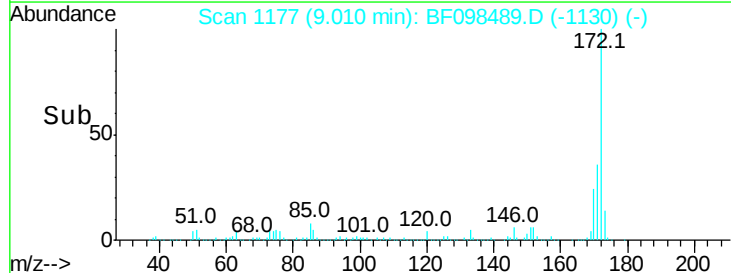
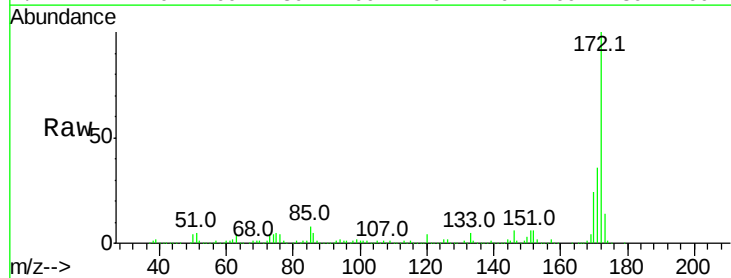
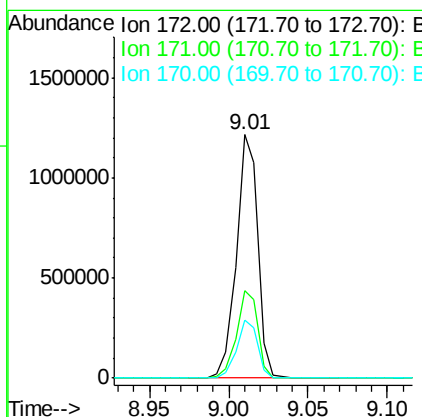
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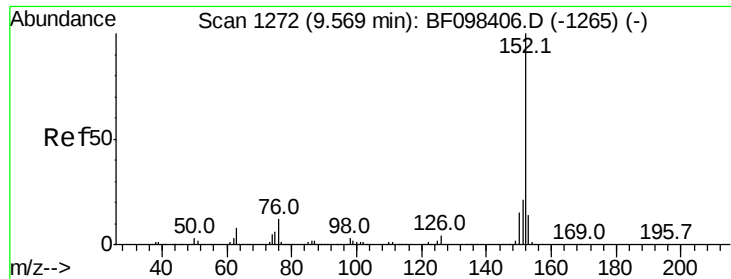
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#44
 2-Fluorobiphenyl
 Concen: 60.587 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.6	44.4	
170	23.9	19.8	29.8	





#48

Acenaphthylene

Concen: 4.327 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

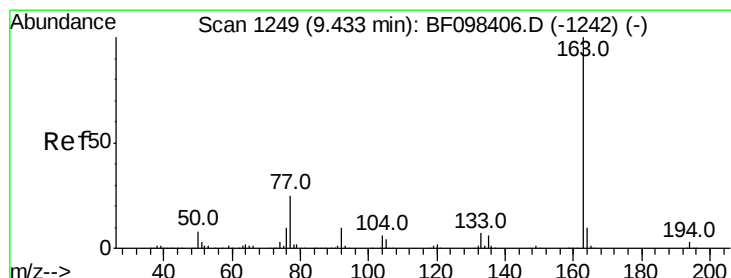
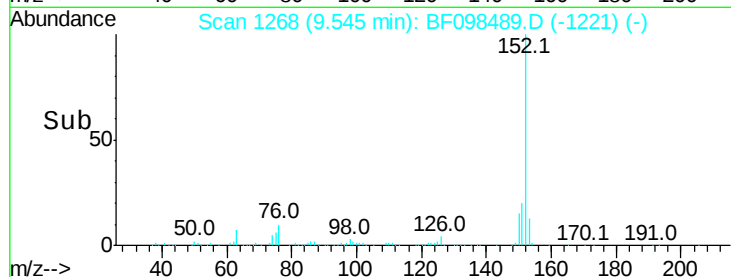
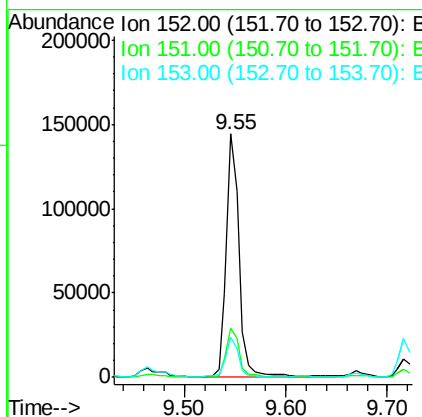
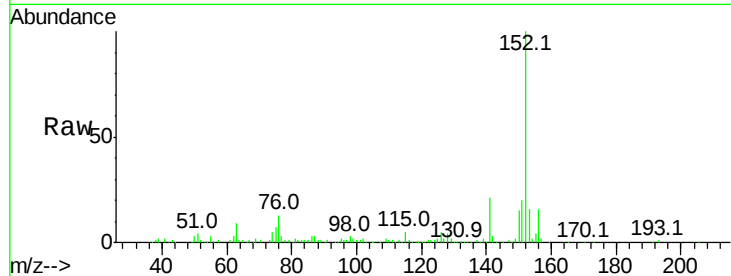
ClientSampleId :

CL-02-091117-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	130127		
151	20.4	16.8	25.2	
153	16.5	10.8	16.2	

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#49

Dimethylphthalate

Concen: 8.369 ng

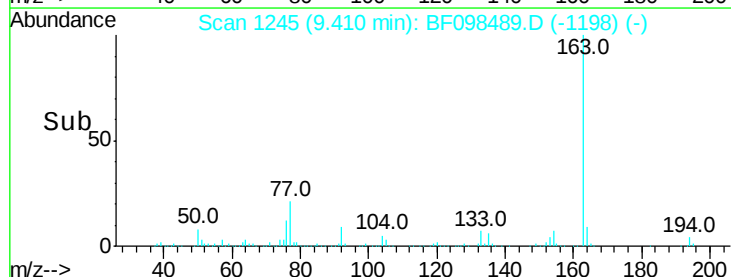
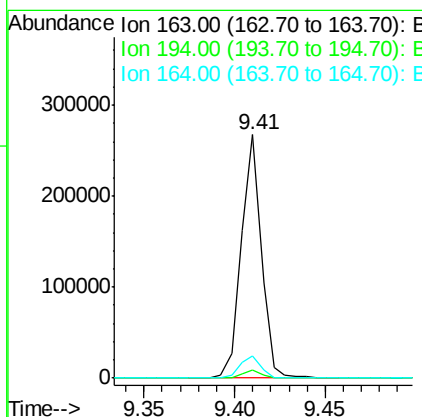
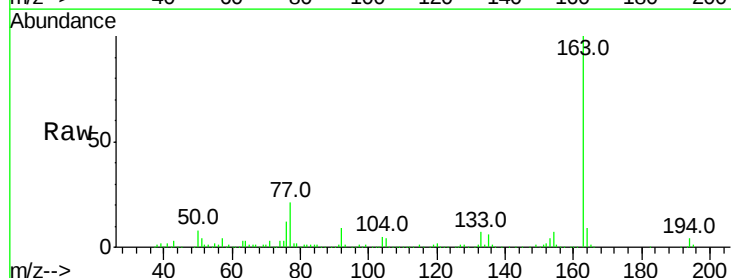
RT: 9.41 min Scan# 1245

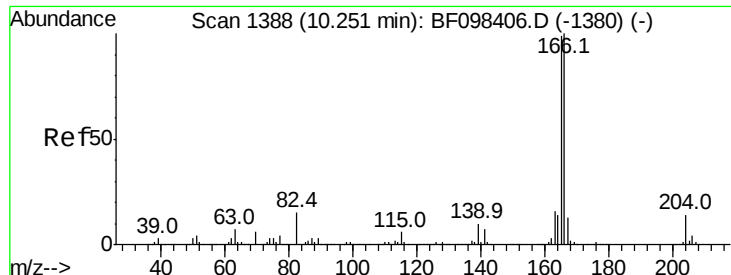
Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	204968		
194	3.5	2.6	4.0	
164	9.2	8.4	12.6	





#57

Fluorene

Concen: 3.316 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

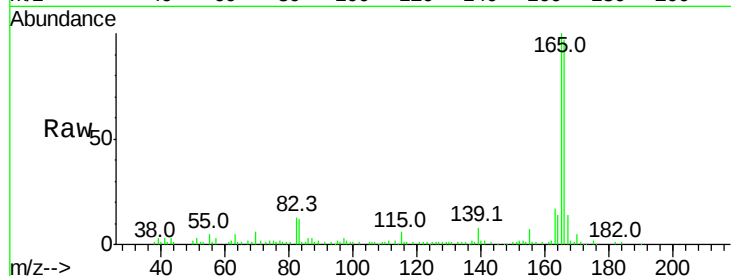
ClientSampleId :

CL-02-091117-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.9	78.8	118.2
167	14.7	10.6	16.0

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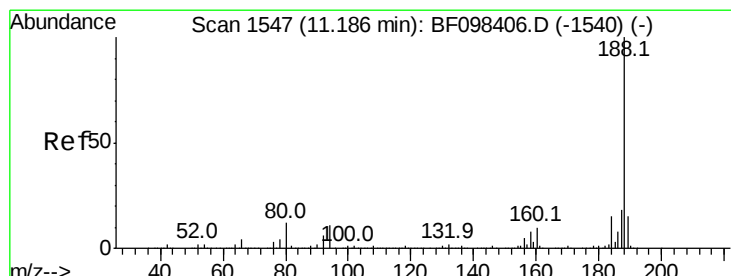
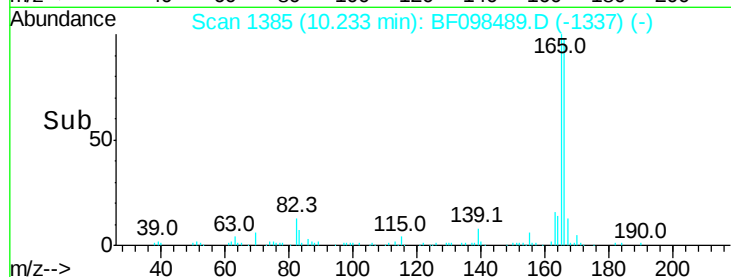
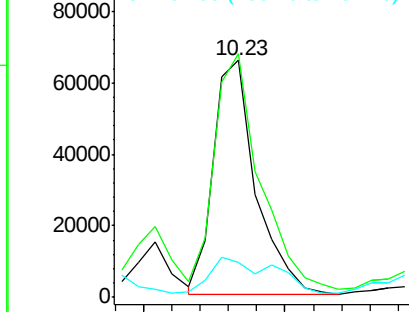


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

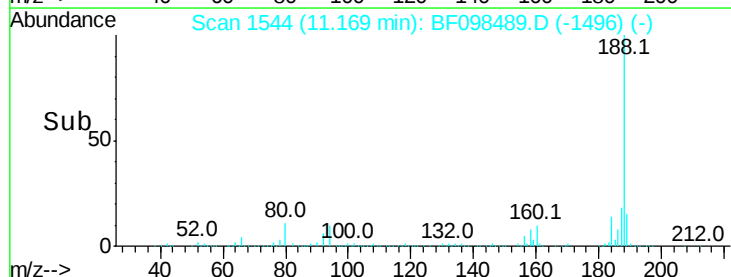
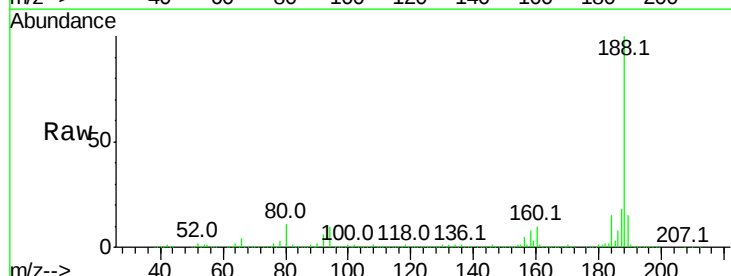
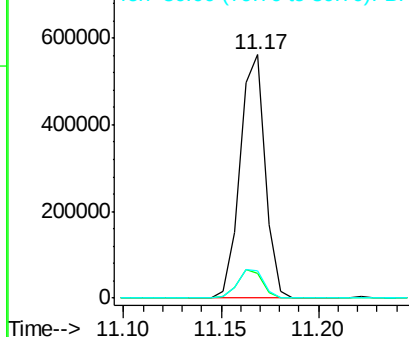
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	11.3	10.2	15.2

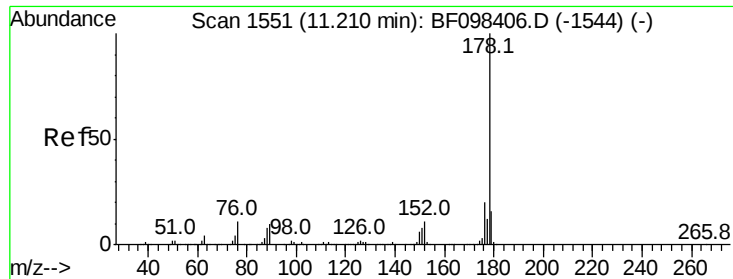
Abundance

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: 19.735 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

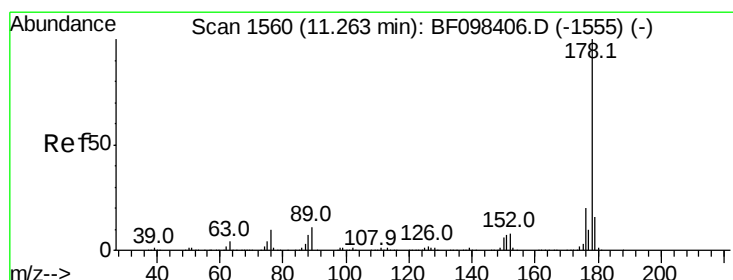
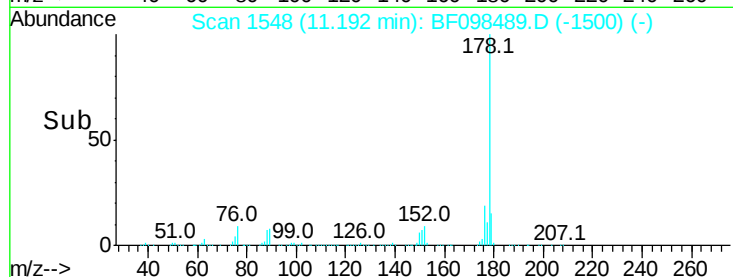
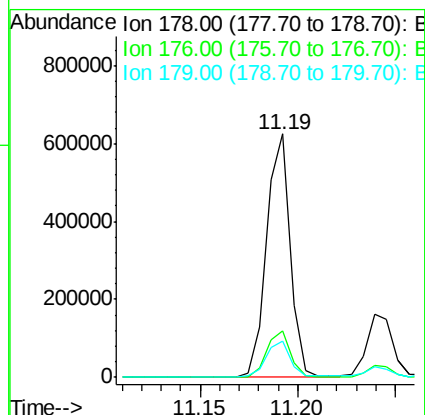
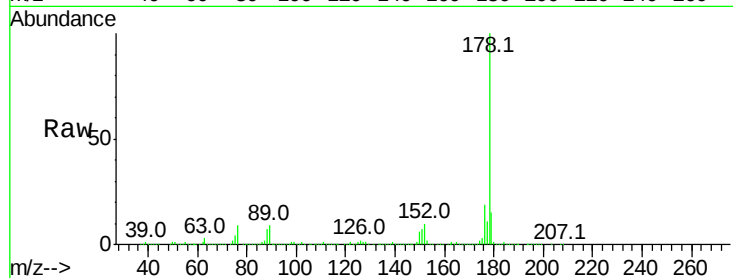
ClientSampleId :

CL-02-091117-C

Tot Ion:178	Resp:	523561
Ion Ratio	Lower	Upper
178	100	
176	19.2	16.2 24.4
179	15.1	12.6 19.0

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#71

Anthracene

Concen: 5.252 ng

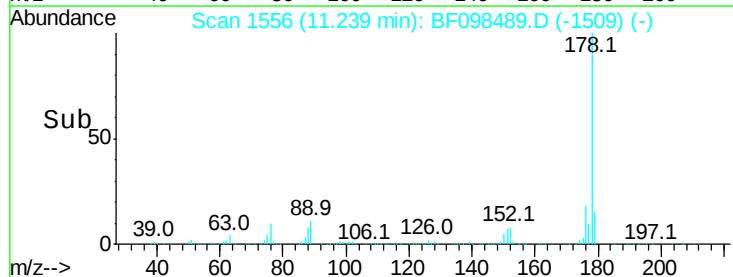
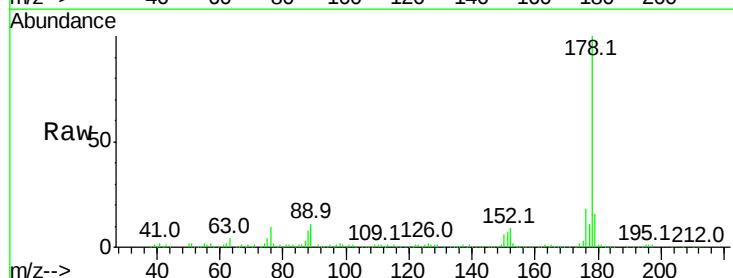
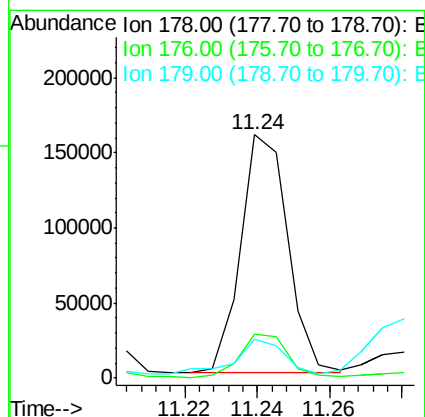
RT: 11.24 min Scan# 1556

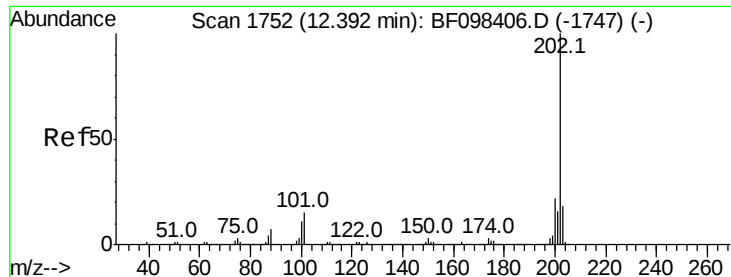
Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion:178	Resp:	143065
Ion Ratio	Lower	Upper
178	100	
176	18.0	15.8 23.8
179	15.9	12.7 19.1





#74

Fluoranthene

Concen: 19.678 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

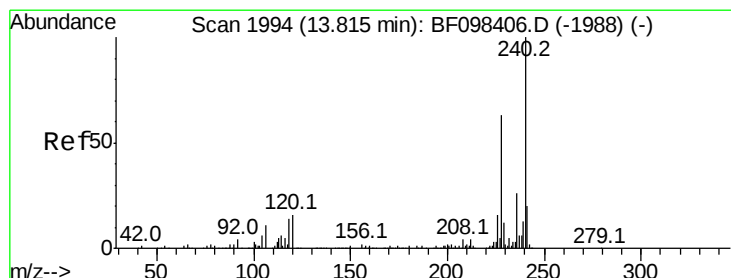
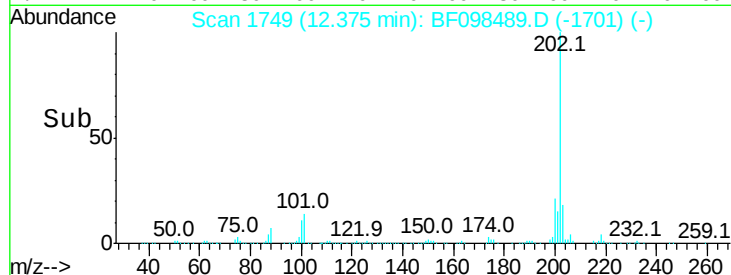
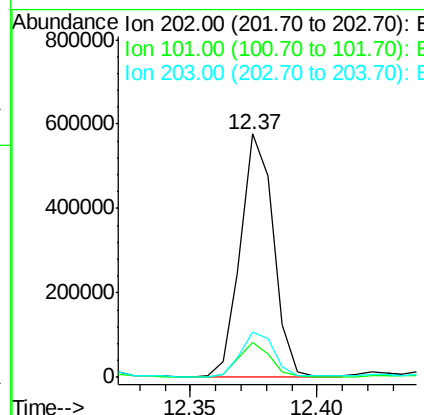
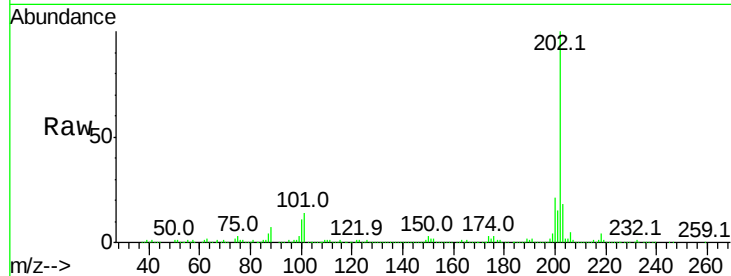
ClientSampleId :

CL-02-091117-C

Tot Ion:	202	Resp:	522607
Ion Ratio		Lower	Upper
202	100		
101	14.4	0.0	33.2
203	18.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

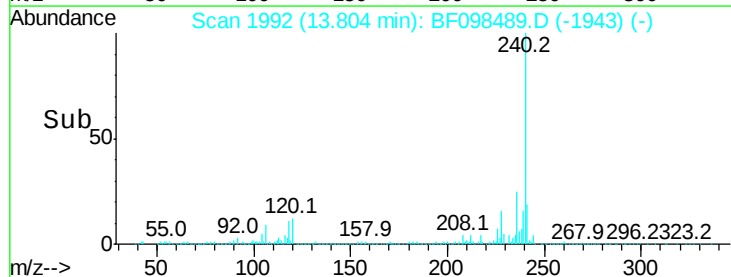
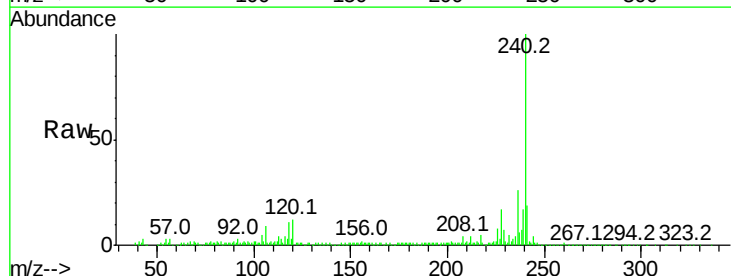
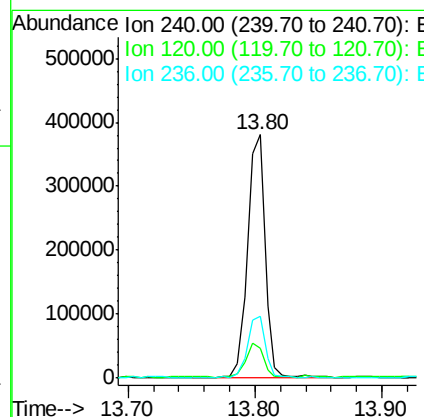
RT: 13.80 min Scan# 1992

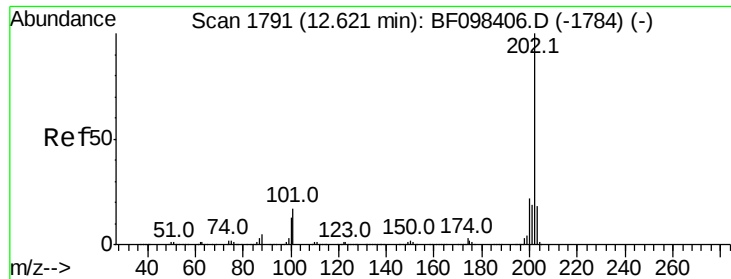
Delta R.T. -0.01 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion:	240	Resp:	361208
Ion Ratio		Lower	Upper
240	100		
120	12.5	5.8	8.8#
236	25.6	20.5	30.7





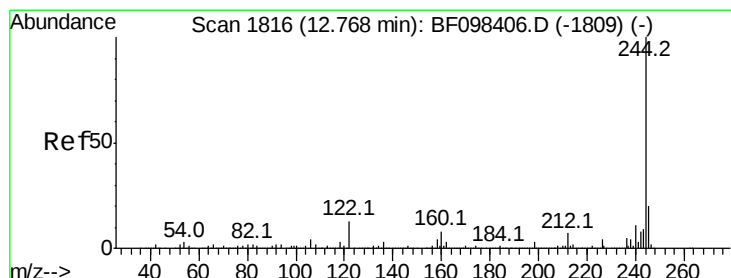
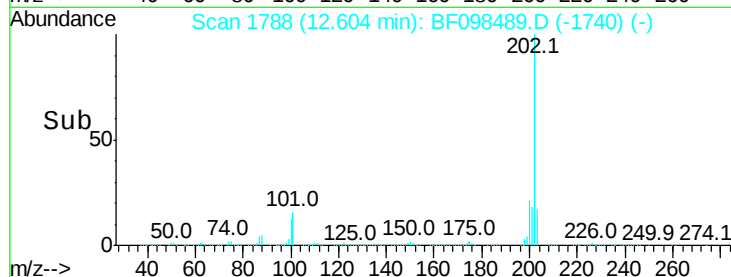
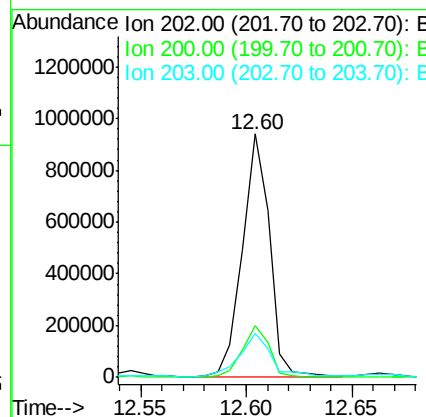
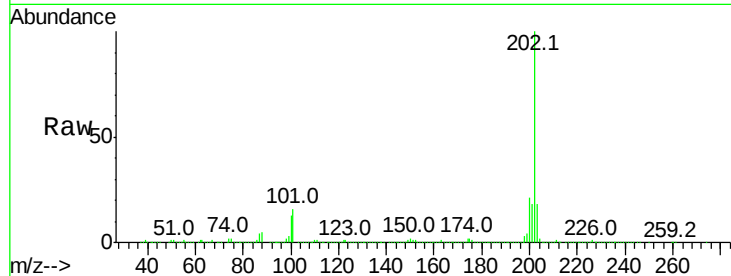
#77
Pvrene
Concen: 29.121 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.0	14.4	21.6

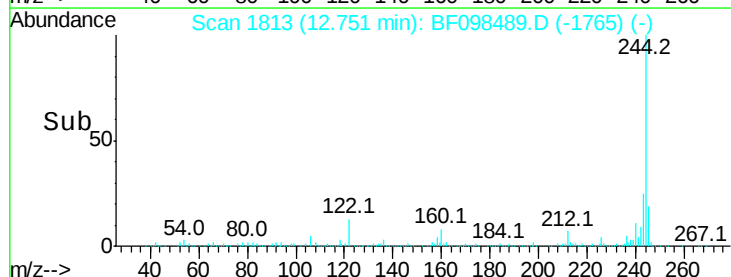
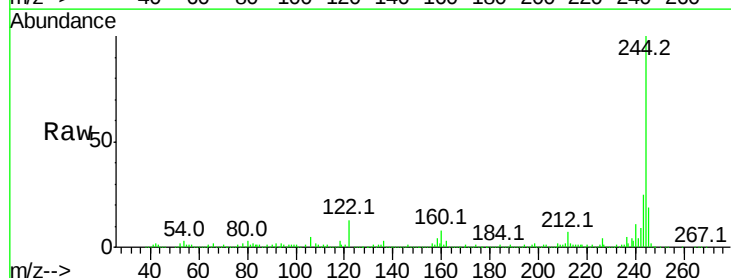
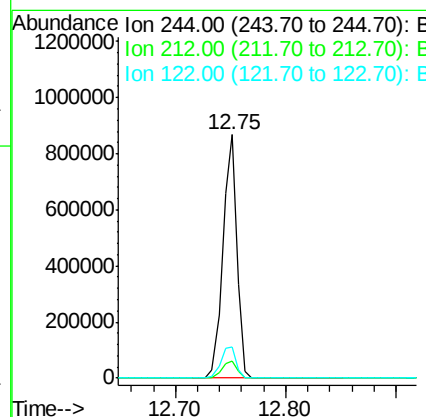
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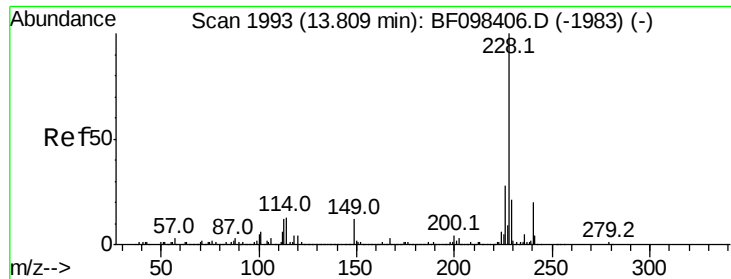
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#78
Terphenyl-d14
Concen: 45.300 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.6	10.3	15.5





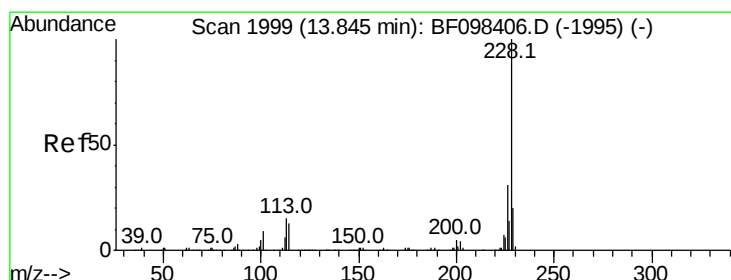
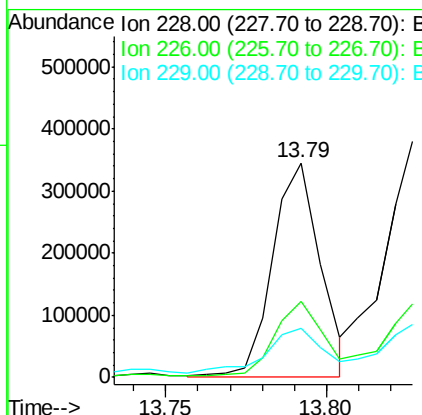
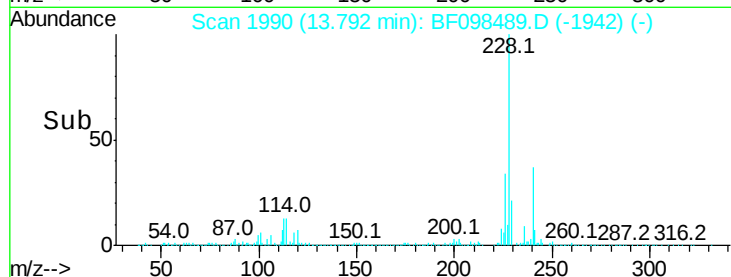
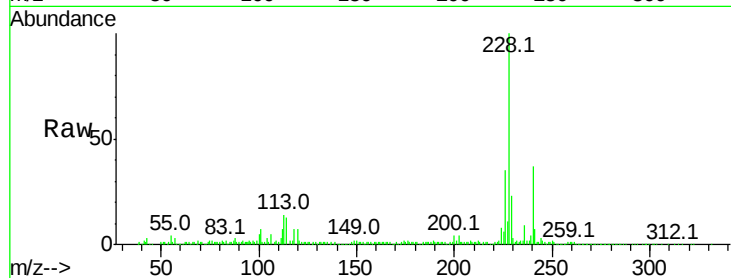
#80
Benzo(a)anthracene
Concen: 16.673 ng m
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.6	33.8#
229	22.8	16.3	24.5

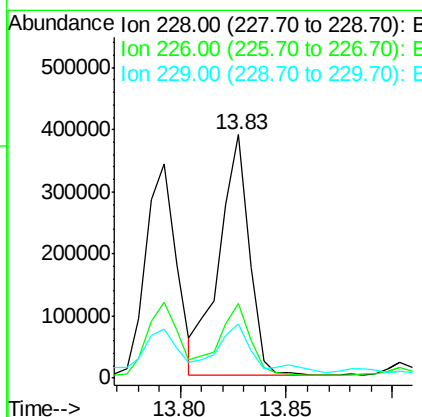
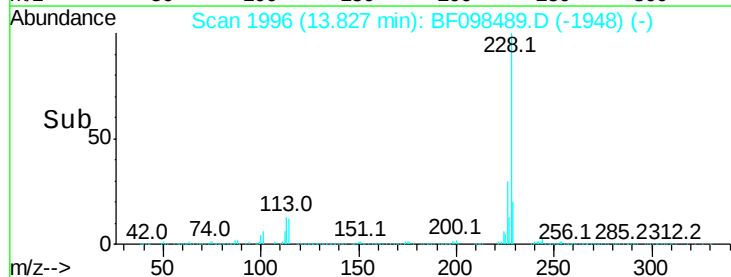
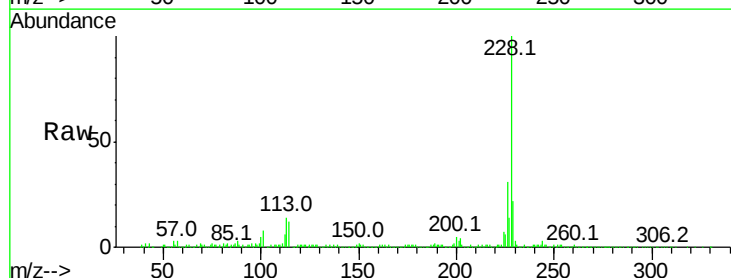
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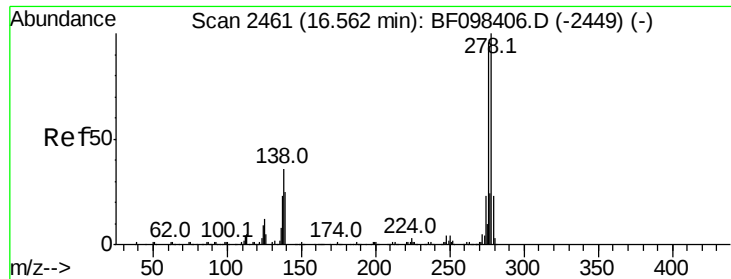
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#82
Chrysene
Concen: 17.918 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	22.4	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.395 ng

RT: 16.54 min Scan# 2457

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

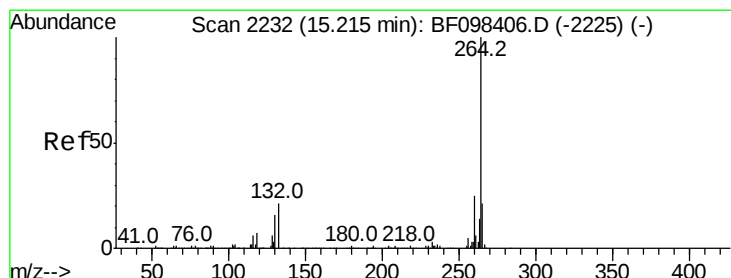
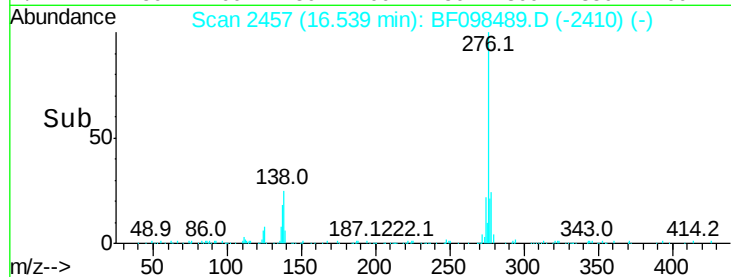
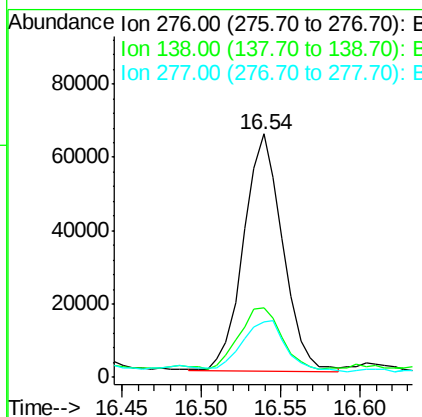
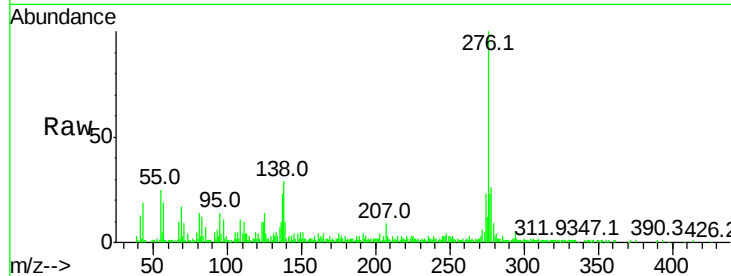
ClientSampleId :

CL-02-091117-C

Tot Ion:	276	Resp:	111064
Ion Ratio	Lower	Upper	
276	100		
138	28.2	27.8	41.6
277	23.7	20.2	30.4

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#86

Perylene-d12

Concen: 20.000 ng

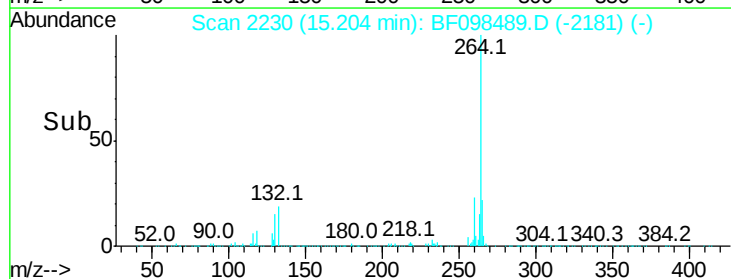
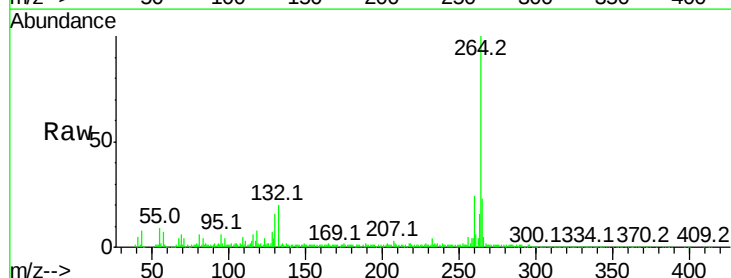
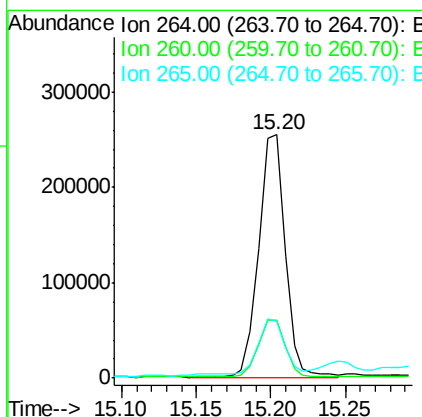
RT: 15.20 min Scan# 2230

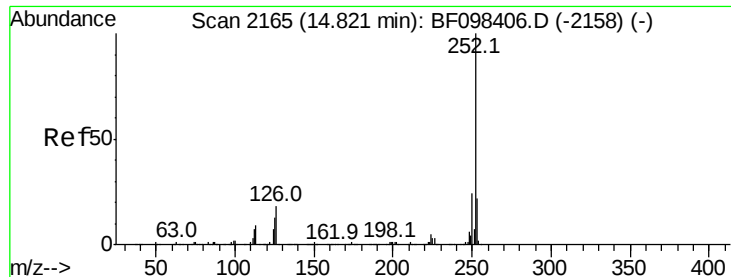
Delta R.T. -0.01 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion:	264	Resp:	312415
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	23.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.312 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

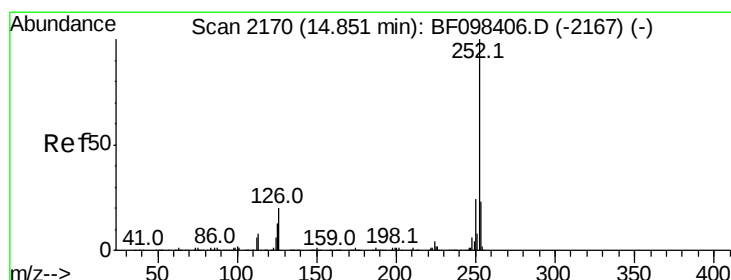
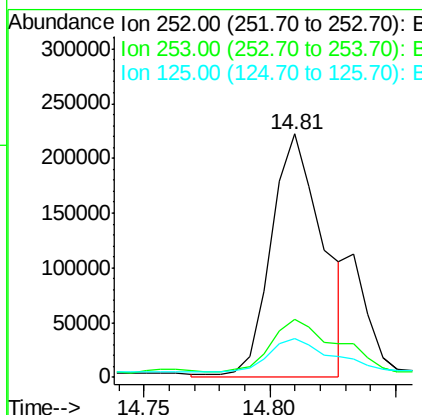
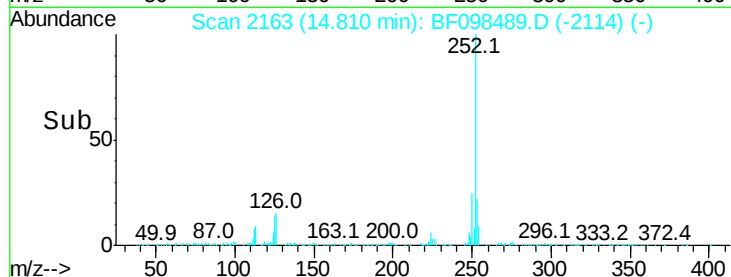
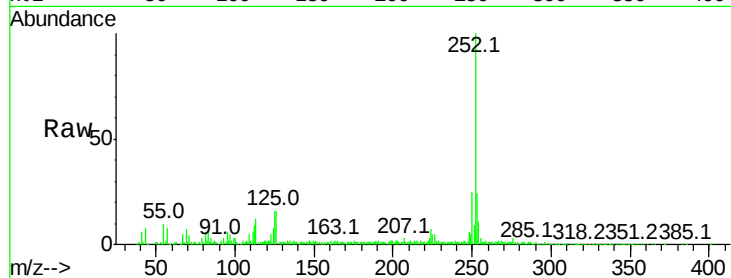
ClientSampleId :

CL-02-091117-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	16.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 4.088 ng m

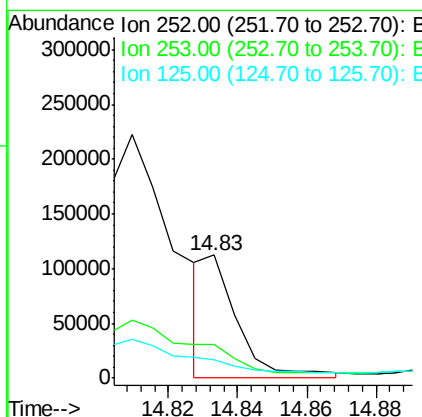
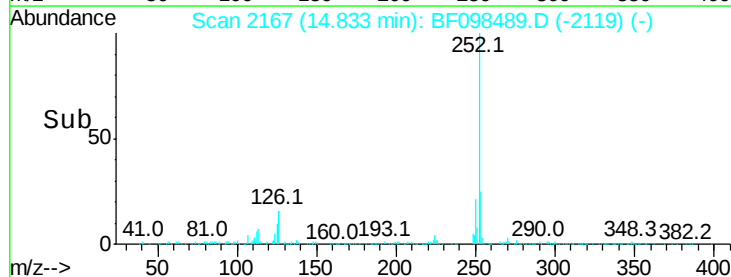
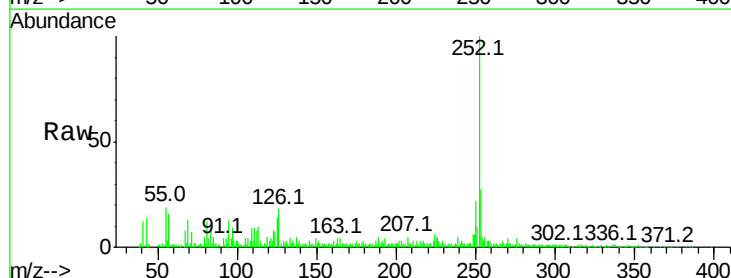
RT: 14.83 min Scan# 2167

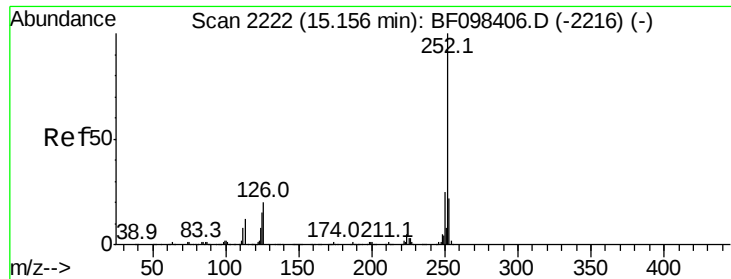
Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.4	27.6
125	14.5	13.1	19.7





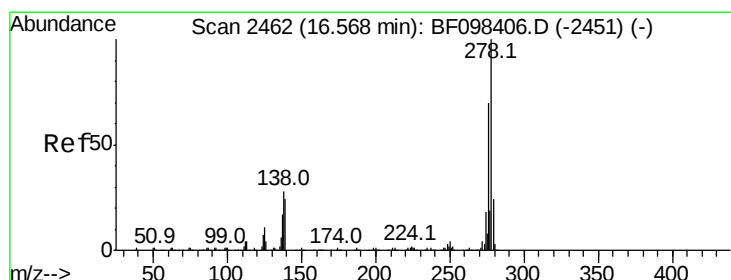
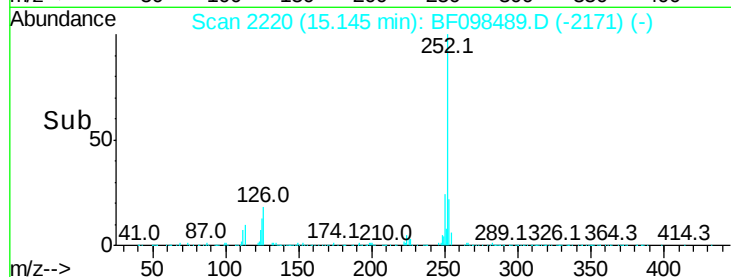
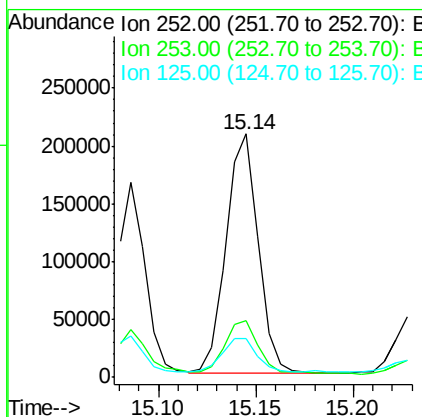
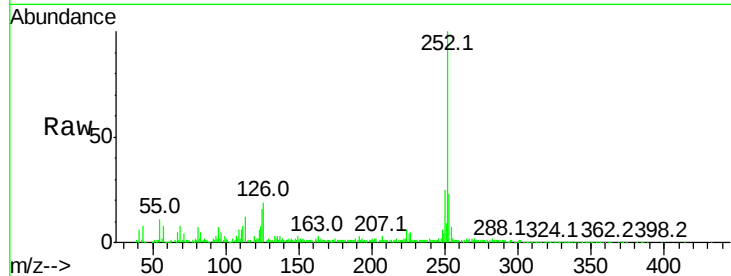
#89
Benzo(a)pyrene
Concen: 13.561 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.7	11.0	16.4

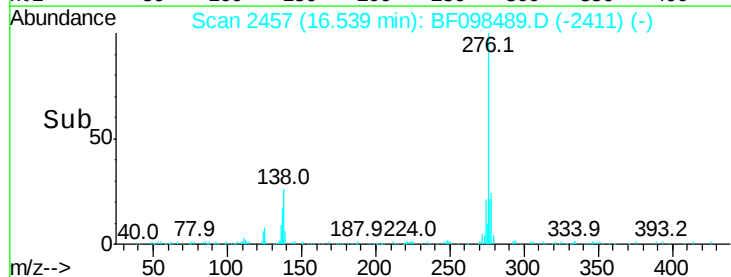
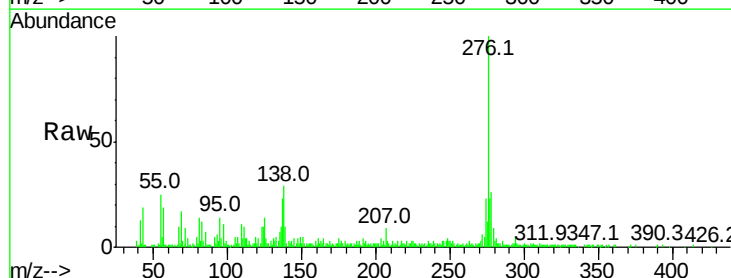
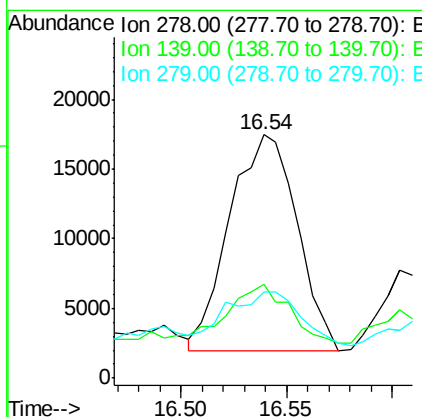
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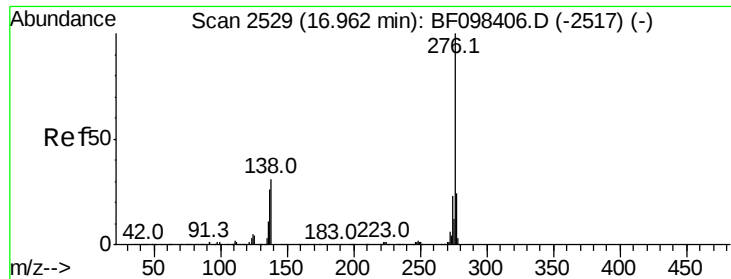
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#90
Dibenzo(a,h)anthracene
Concen: 2.696 ng
RT: 16.54 min Scan# 2457
Delta R.T. -0.03 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	38.4	16.6	24.8#
279	35.2	19.3	28.9#





#91
Benzo(a,h,i)perylene
Concen: 9.475 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	30.5	25.4	38.0

Manual Integrations
APPROVED

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