

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
 Data File : BF110796.D
 Acq On : 15 Nov 2018 18:50
 Operator : JU/SJ
 Sample : J5767-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111418-A

Manual Integrations
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 11/16/2018 10:07:21 AM

Quant Time: Nov 16 07:14:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	64850	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	267840	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	118595	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	196504	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	168668	20.00	ng	0.00
87) Perylene-d12	15.66	264	148621	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	194270	48.66	ng	-0.01
7) Phenol-d6	6.56	99	246928	48.37	ng	-0.01
23) Nitrobenzene-d5	7.50	82	152188	32.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	52876	44.25	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	284346	34.24	ng	-0.01
79) Terphenyl-d14	13.06	244	228546	25.38	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.57	94	12979	2.192	ng	83
31) Naphthalene	8.25	128	47157	3.750	ng	97
37) 2-Methylnaphthalene	8.94	142	22662	2.749	ng	98
38) 1-Methylnaphthalene	9.03	142	22628m	2.855	ng	
49) Acenaphthylene	9.85	152	41284	3.597	ng	97
50) Dimethylphthalate	9.69	163	28173	3.184	ng	99
52) Acenaphthene	10.02	154	47363	6.529	ng	99
55) Dibenzofuran	10.19	168	56205	5.296	ng	96
58) Fluorene	10.53	166	84815	10.404	ng	99
71) Phenanthrene	11.50	178	791024	75.138	ng	100
72) Anthracene	11.55	178	199733	18.808	ng	98
73) Carbazole	11.71	167	63856	6.261	ng	99
75) Fluoranthene	12.70	202	861063	81.581	ng	98
78) Pyrene	12.93	202	811293	62.469	ng	98
81) Benzo(a)anthracene	14.12	228	466671	46.290	ng	99
83) Chrysene	14.16	228	409443	42.630	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	132510	19.226	ng	98
88) Benzo(b)fluoranthene	15.21	252	456115m	51.301	ng	
89) Benzo(k)fluoranthene	15.23	252	125389m	14.273	ng	
90) Benzo(a)pyrene	15.60	252	311376	38.545	ng	99
91) Dibenzo(a,h)anthracene	17.23	278	41680m	6.097	ng	
92) Benzo(g,h,i)perylene	17.72	276	120741	17.801	ng	97

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

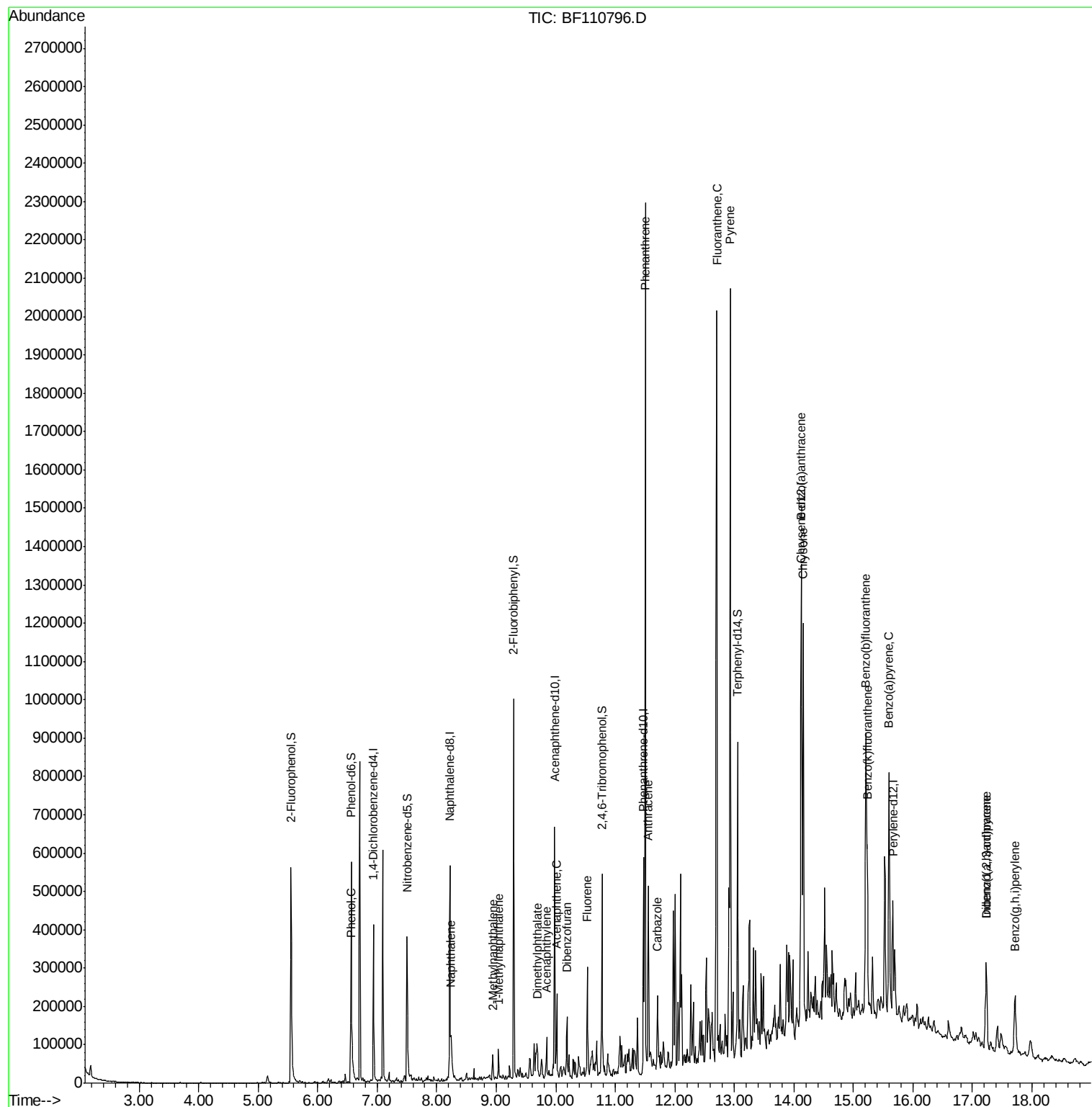
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
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Sample : J5767-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

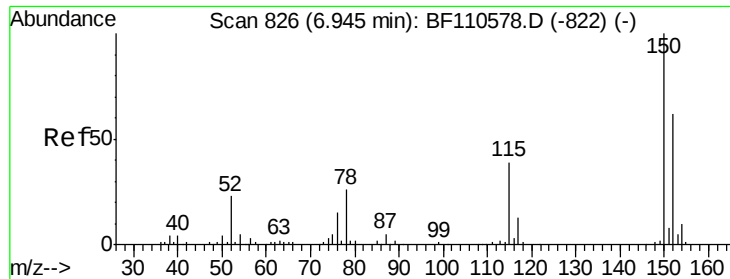
Instrument :
BNA_F
ClientSampleId :
CL-01-111418-A

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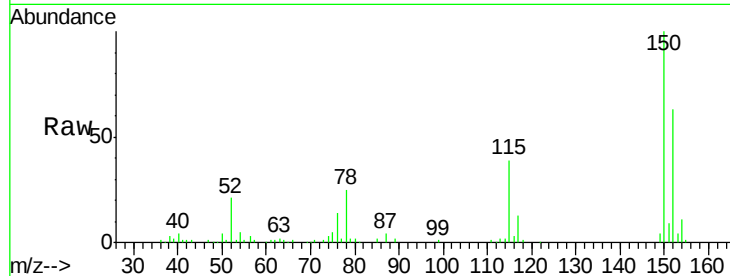
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Instrument :
BNA_F
ClientSampleId :
CL-01-111418-A

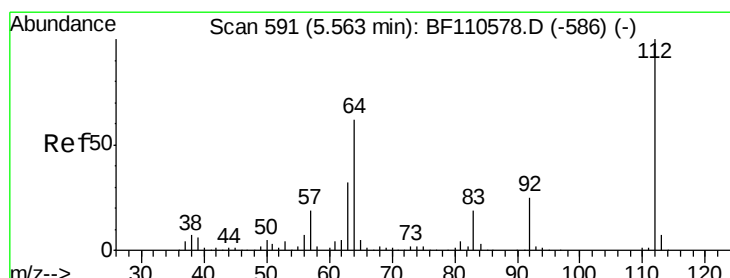
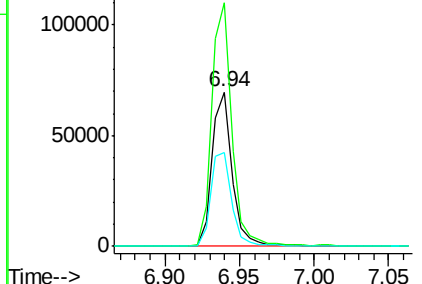
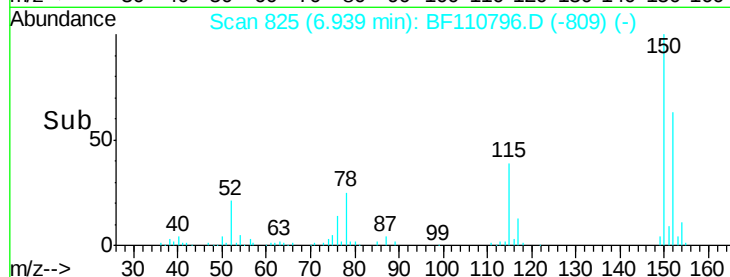
Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	60.9	49.1	73.7

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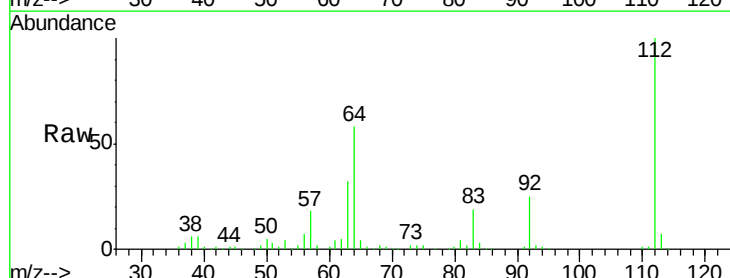


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

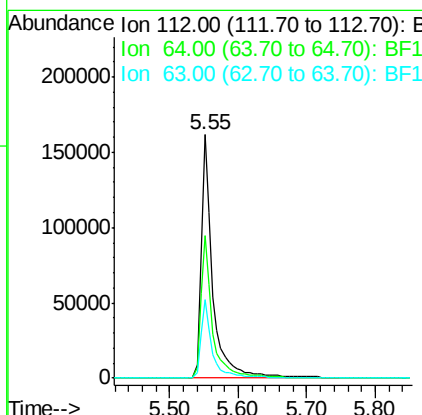
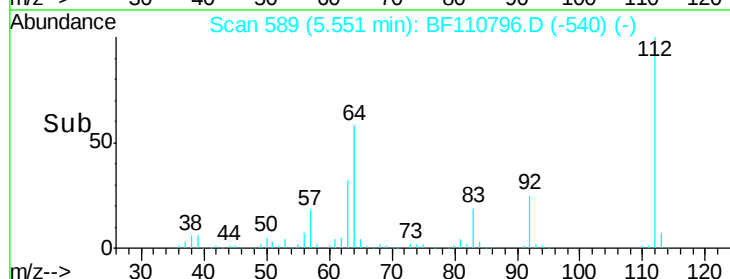


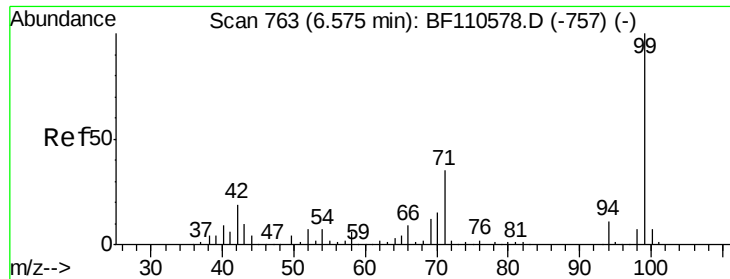
#5
2-Fluorophenol
Concen: 48.659 ng
RT: 5.55 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	44.1	66.1
63	32.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 48.366 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

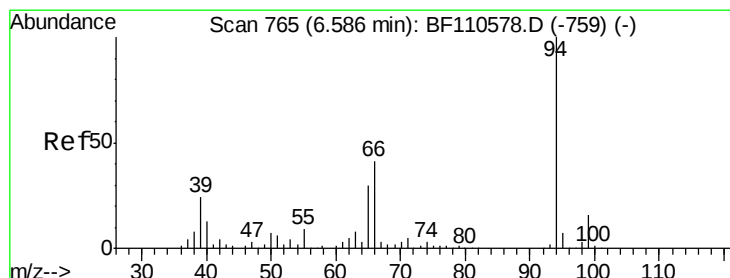
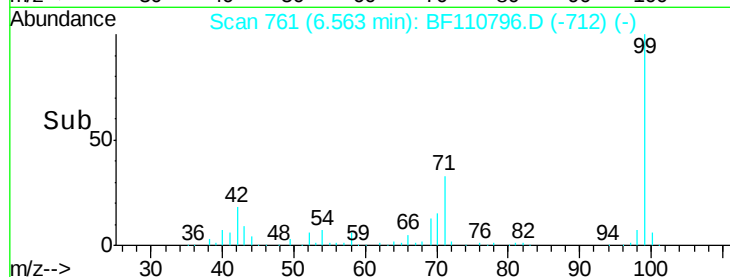
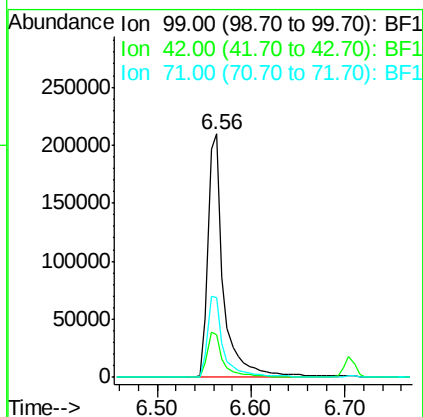
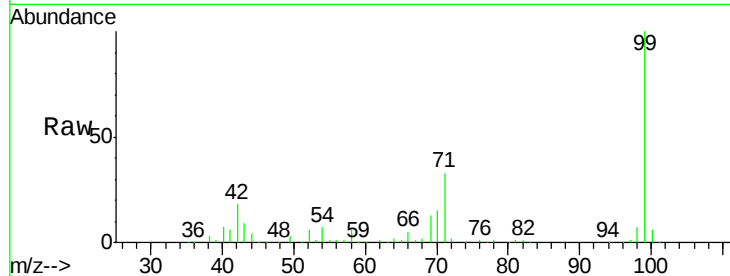
ClientSampleId :

CL-01-111418-A

Tgt Ion:	99	Resp:	246928
Ion Ratio	Lower	Upper	
99	100		
42	17.6	15.8	23.6
71	32.9	28.0	42.0

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#10

Phenol

Concen: 2.192 ng

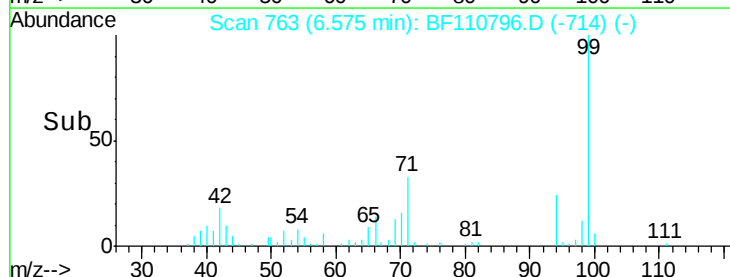
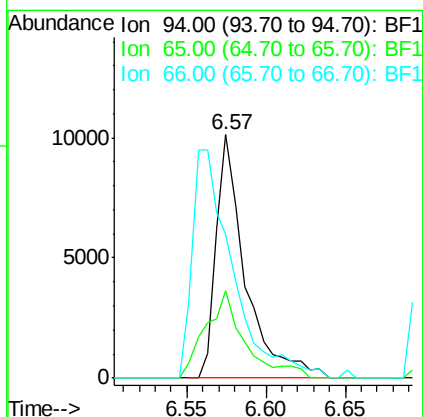
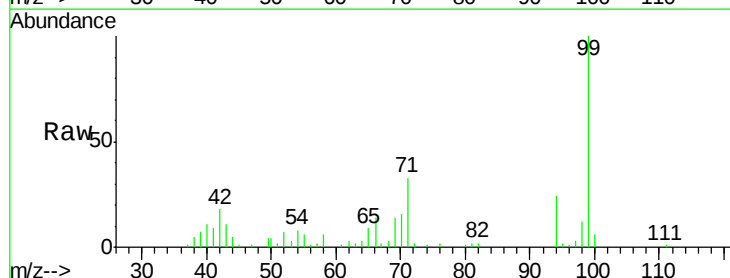
RT: 6.57 min Scan# 763

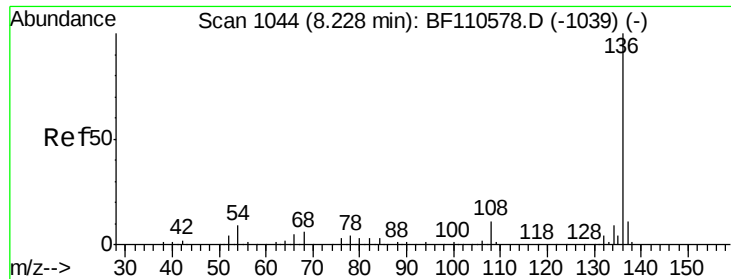
Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Tgt Ion:	94	Resp:	12979
Ion Ratio	Lower	Upper	
94	100		
65	36.1	25.3	65.3
66	59.2	54.5	94.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

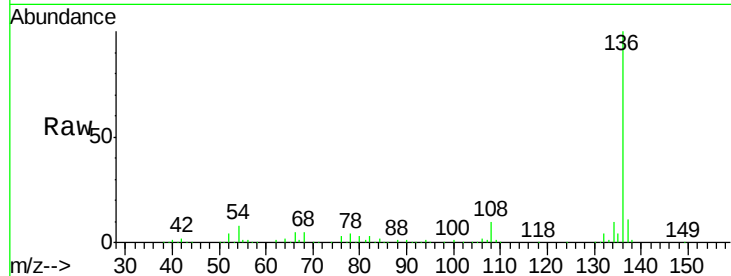
ClientSampleId :

CL-01-111418-A

Tgt Ion:	136	Resp:	267840
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.5	5.4	8.2
68	5.2	4.2	6.2

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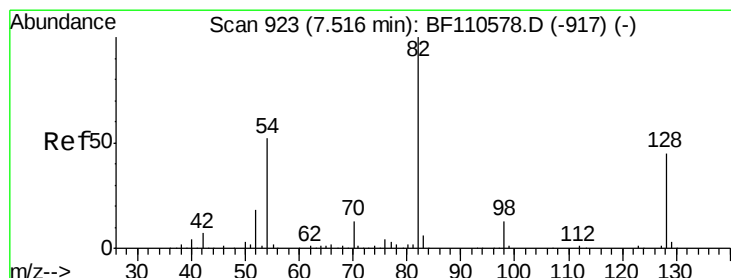
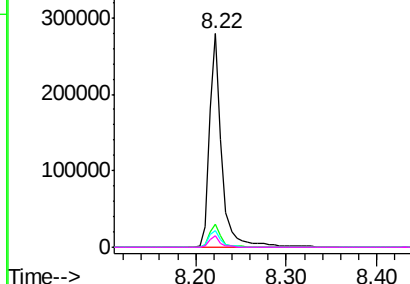
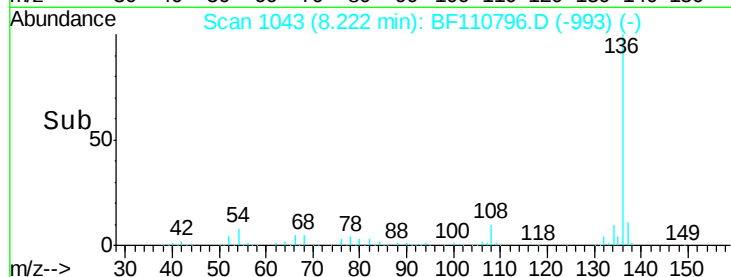


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 32.723 ng

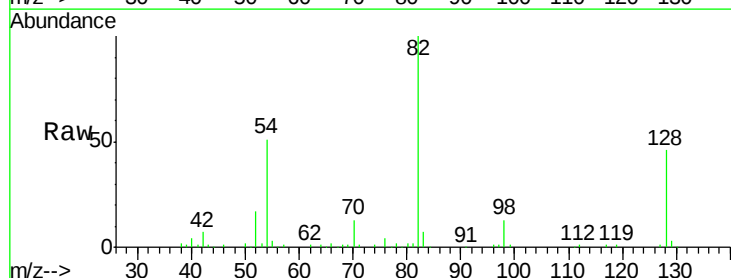
RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

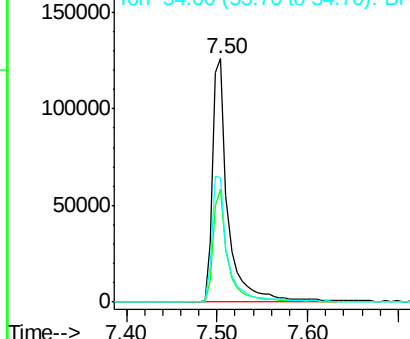
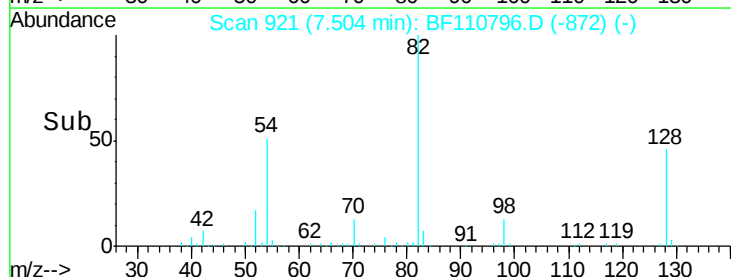
Tgt Ion:	82	Resp:	152188
Ion Ratio	Lower	Upper	
82	100		
128	46.2	34.2	51.2
54	51.2	38.6	58.0

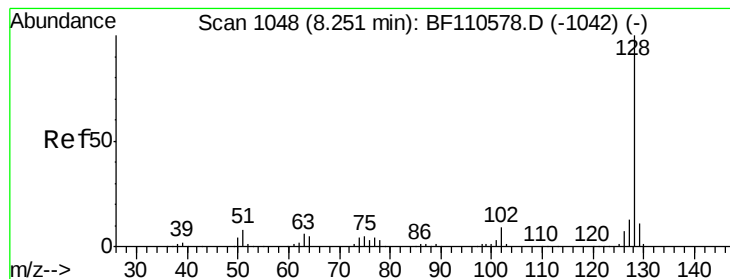


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 3.750 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

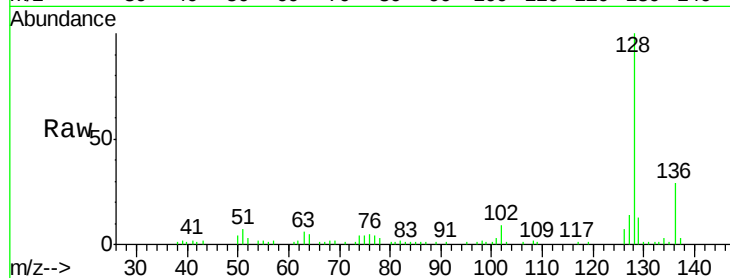
ClientSampleId :

CL-01-111418-A

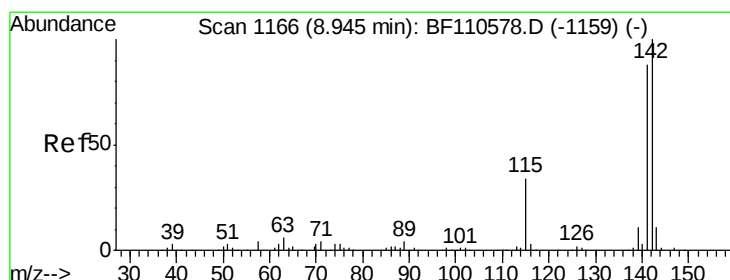
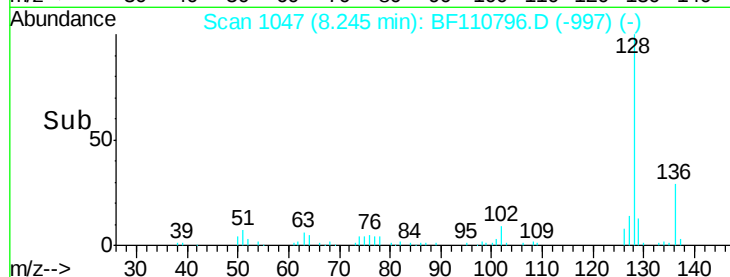
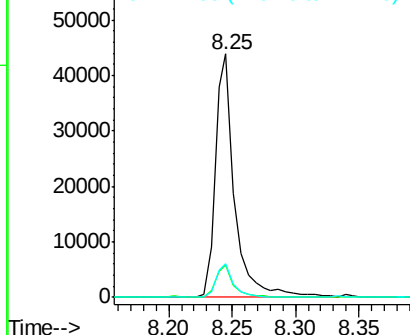
Tgt Ion:	128	Resp:	47157
Ion Ratio		Lower	Upper
128	100		
129	13.1	8.8	13.2
127	13.8	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.749 ng

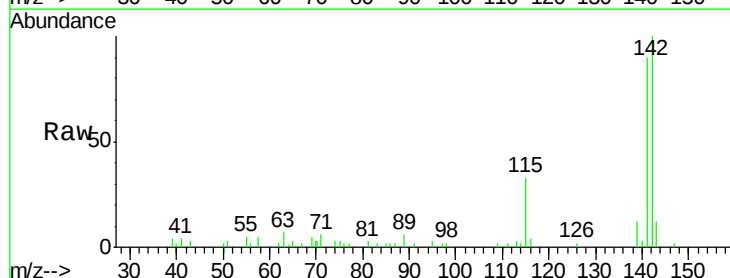
RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

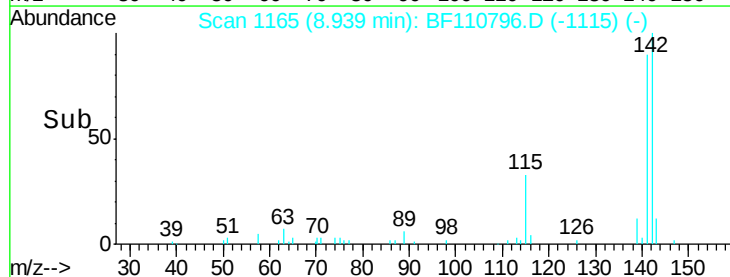
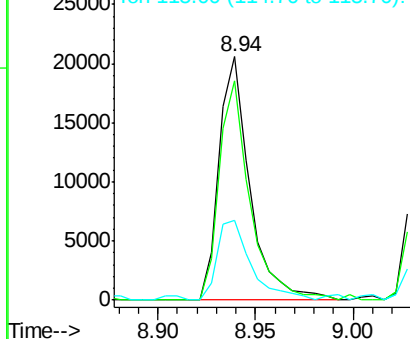
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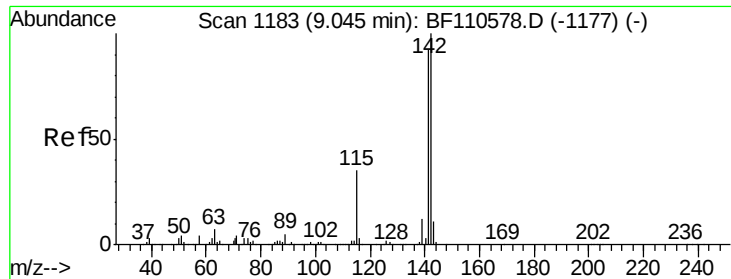
Acq: 15 Nov 2018 18:50

Tgt Ion:	142	Resp:	22662
Ion Ratio		Lower	Upper
142	100		
141	89.9	71.4	107.2
115	32.8	28.7	43.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





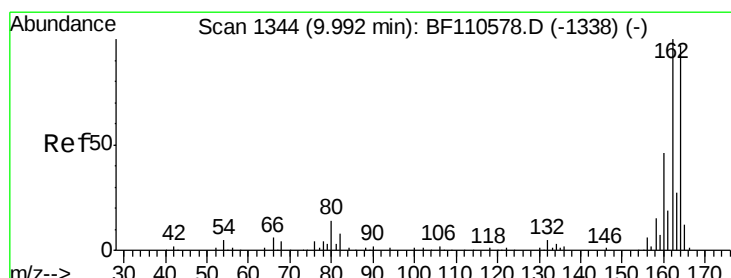
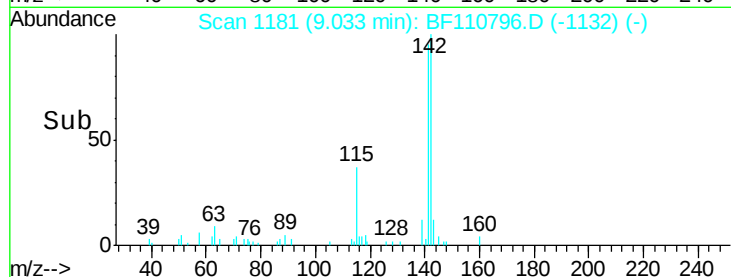
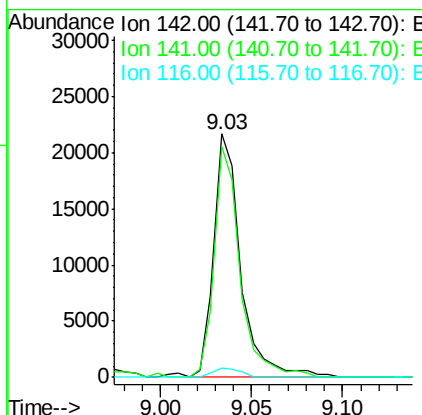
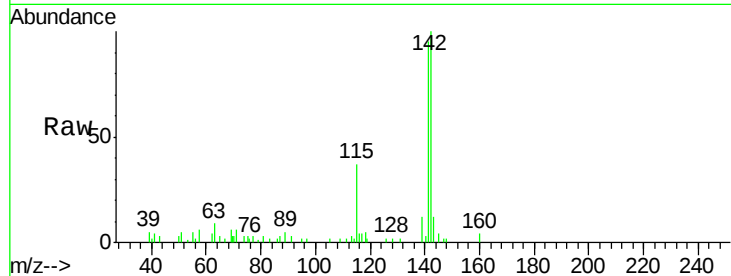
#38
1-Methylnaphthalene
Concen: 2.855 ng m
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Instrument :
BNA_F
ClientSampleId :
CL-01-111418-A

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	22628		
141	94.8	74.2	111.4	
116	4.1	2.6	4.0#	

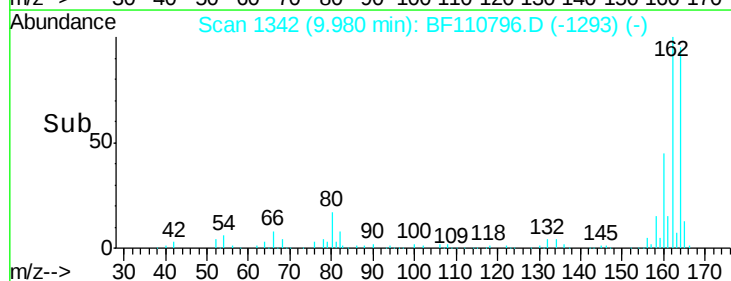
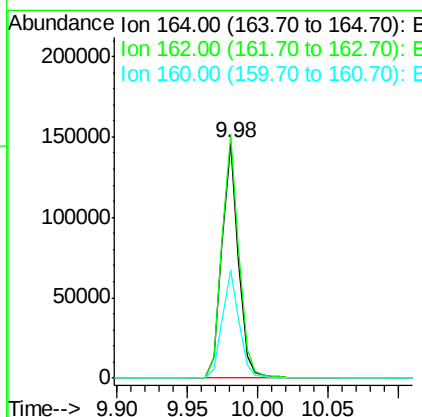
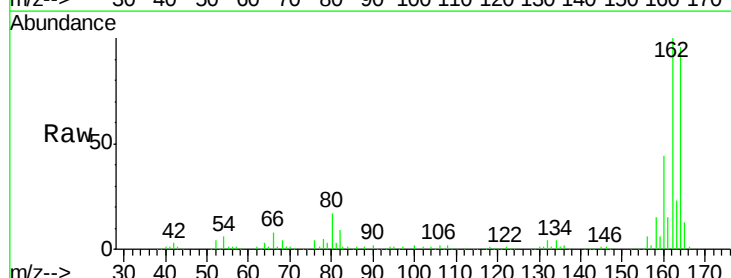
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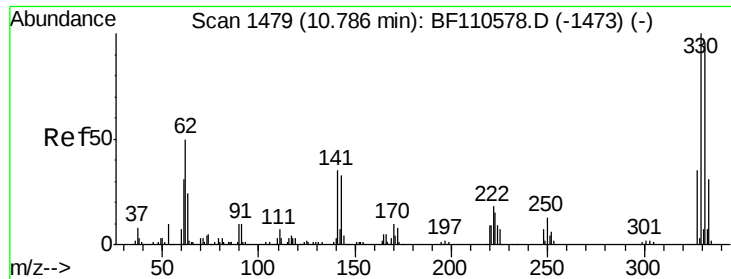
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118595		
162	103.7	83.0	124.6	
160	46.1	37.0	55.6	





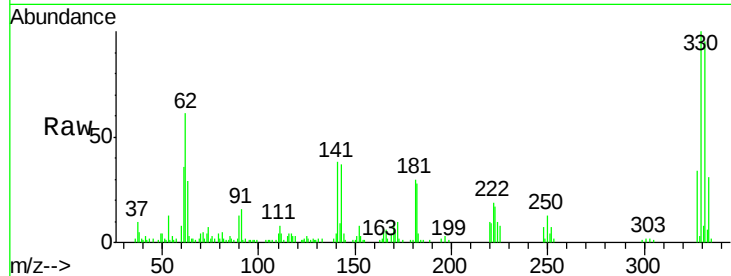
#42
 2,4,6-Tribromophenol
 Concen: 44.248 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111418-A

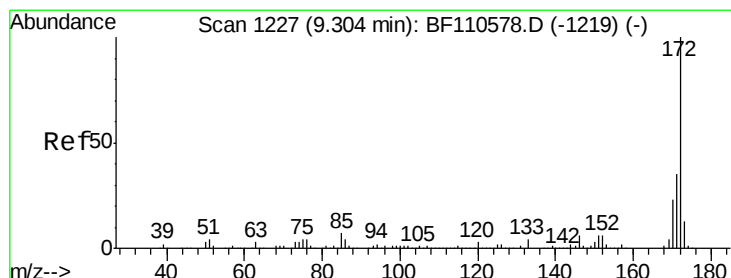
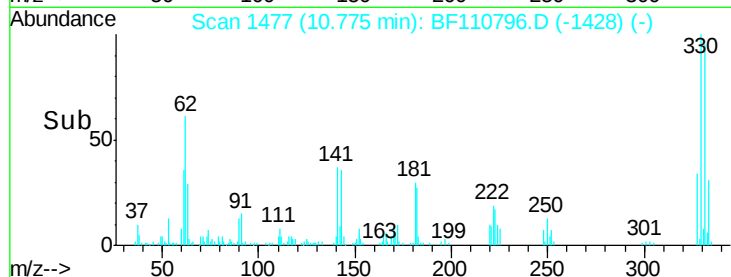
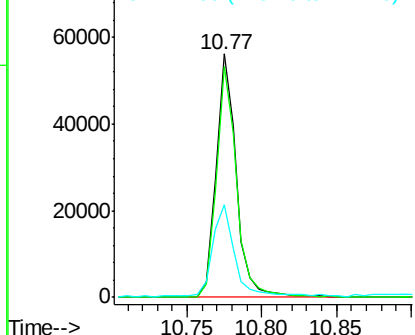
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	43.1	27.0	40.4

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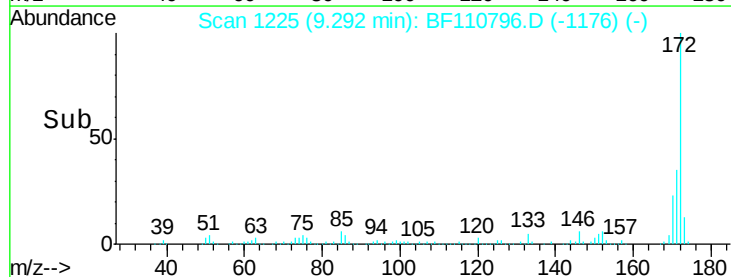
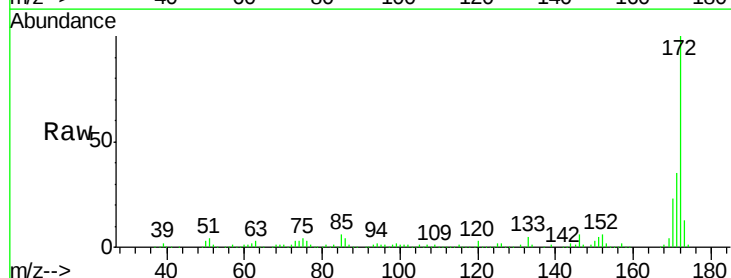
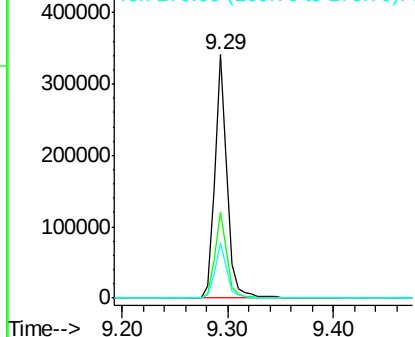
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

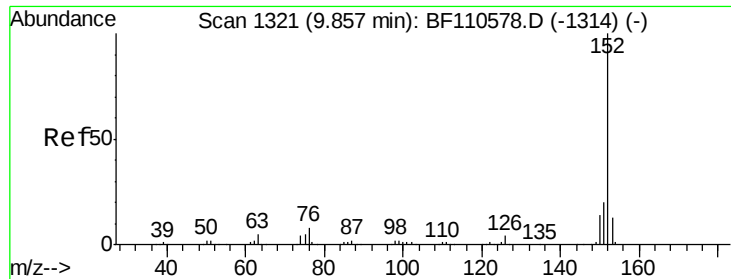


#45
 2-Fluorobiphenyl
 Concen: 34.242 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	22.9	19.7	29.5

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





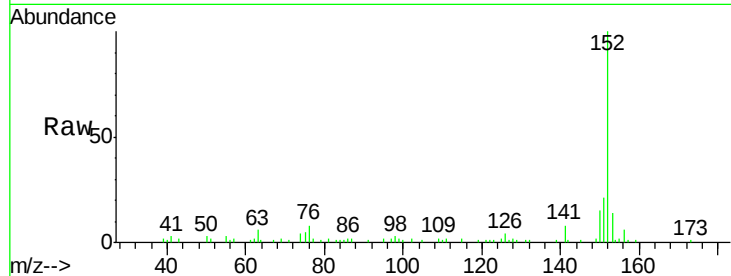
#49
Acenaphthylene
Concen: 3.597 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Instrument :
BNA_F
ClientSampleId :
CL-01-111418-A

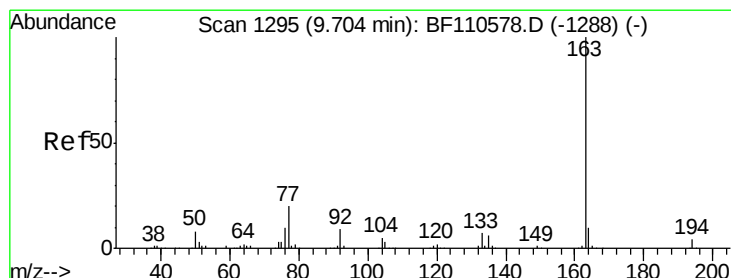
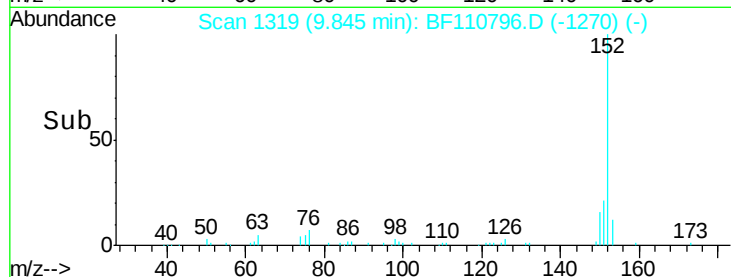
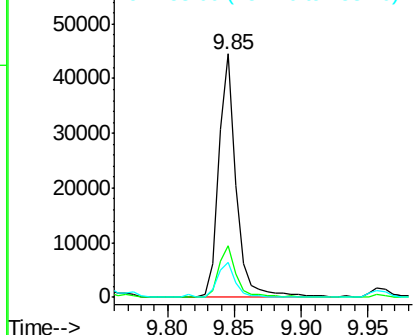
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.8	23.8
153	14.1	10.4	15.6

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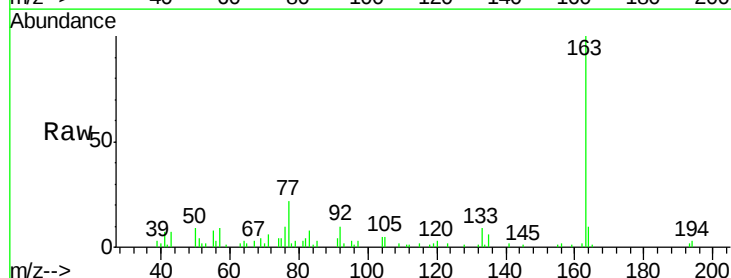


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

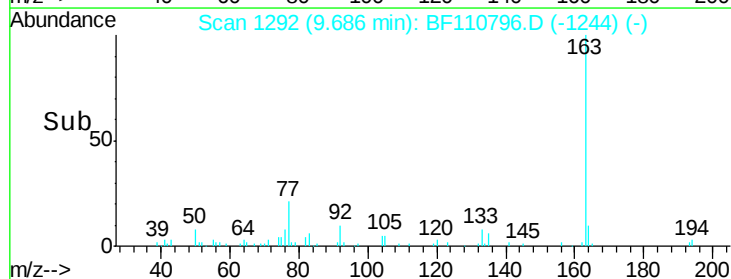
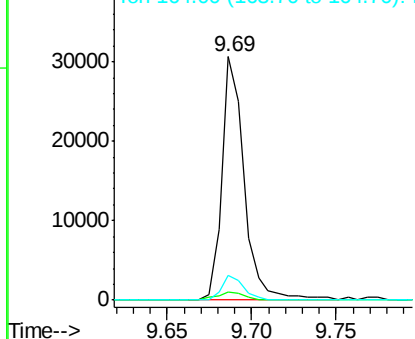


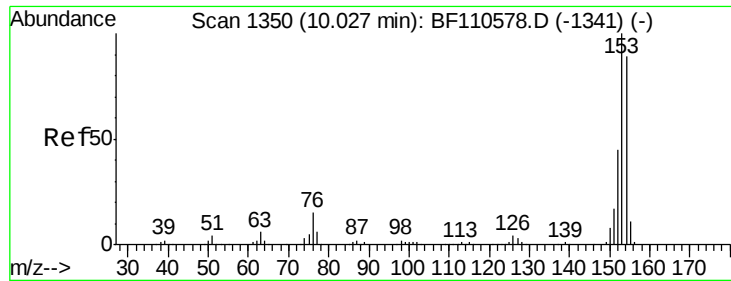
#50
Dimethylphthalate
Concen: 3.184 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.2	4.8
164	10.1	8.1	12.1



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





#52

Acenaphthene

Concen: 6.529 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

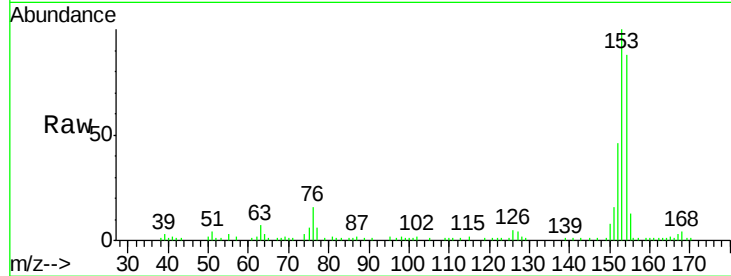
ClientSampleId :

CL-01-111418-A

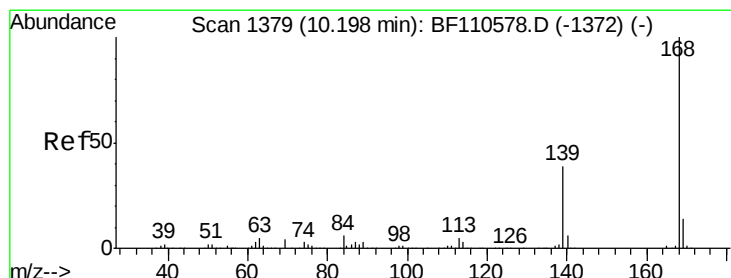
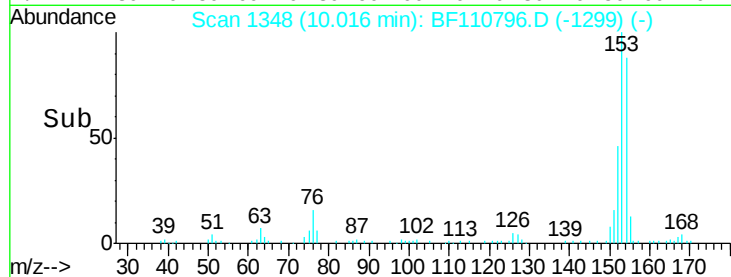
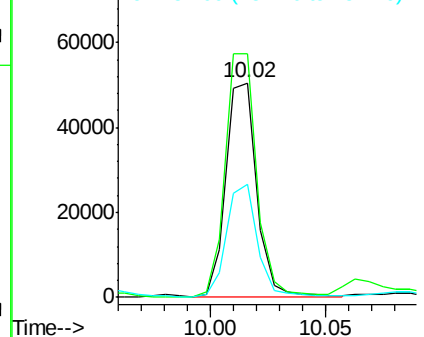
Tgt Ion:	154	Resp:	47363
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.1	135.1
152	52.5	43.4	65.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 5.296 ng

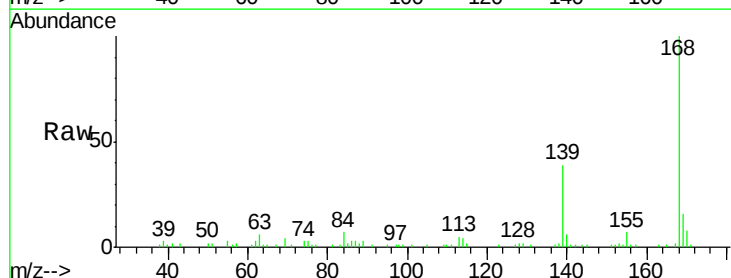
RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

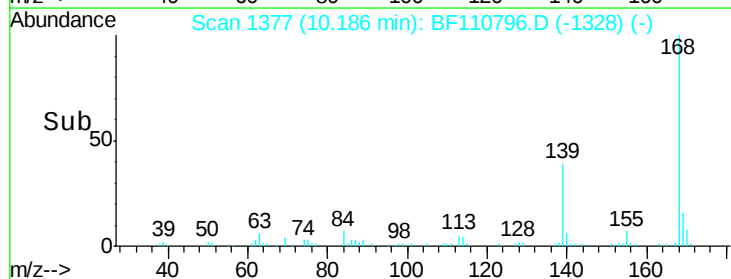
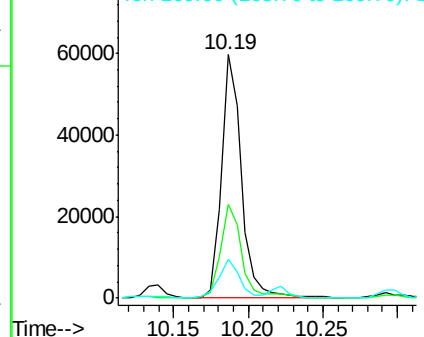
Lab File: BF110796.D

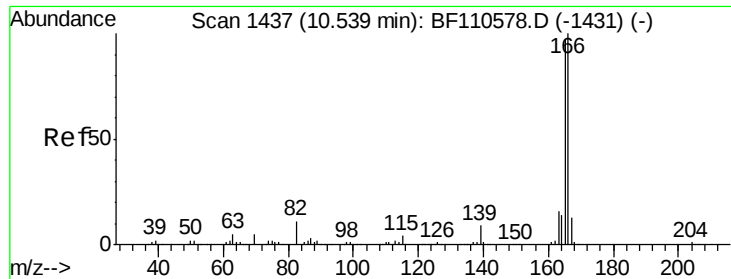
Acq: 15 Nov 2018 18:50

Tgt Ion:	168	Resp:	56205
Ion Ratio	Lower	Upper	
168	100		
139	38.6	33.0	49.6
169	15.7	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





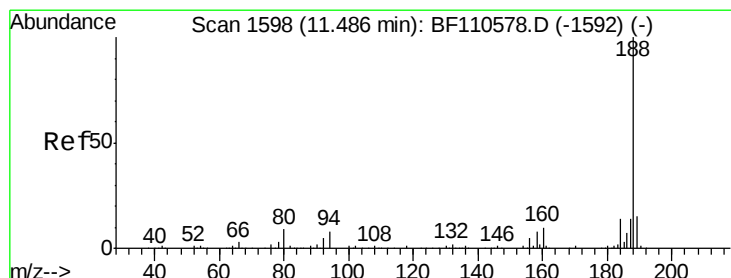
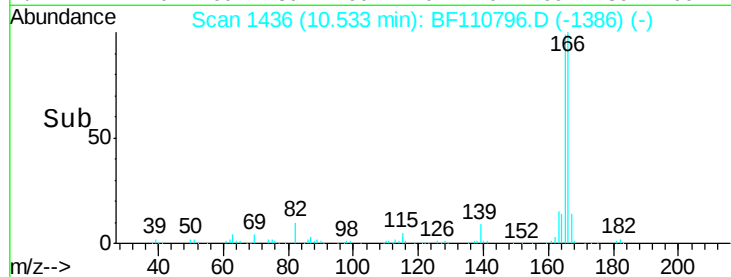
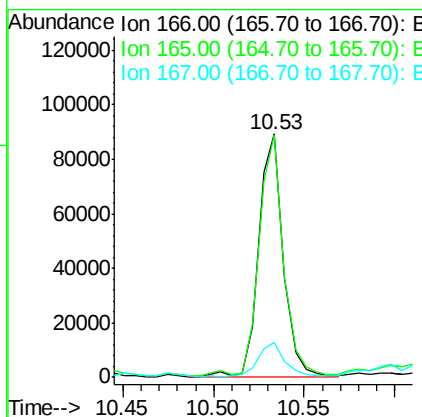
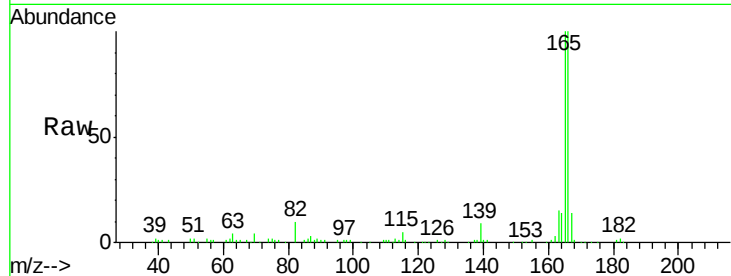
#58
 Fluorene
 Concen: 10.404 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111418-A

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.6	117.8
167	14.5	10.8	16.2

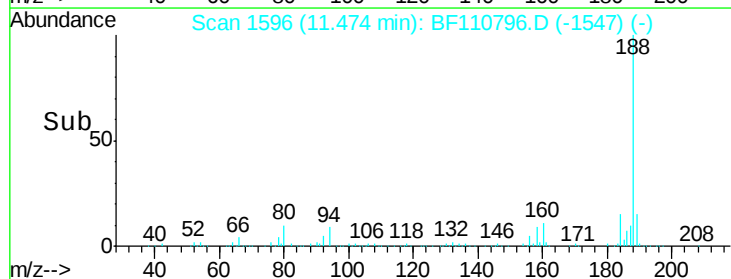
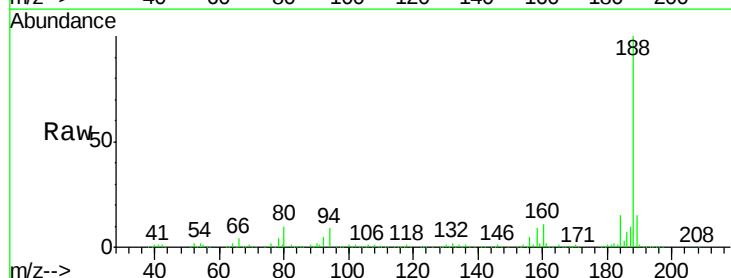
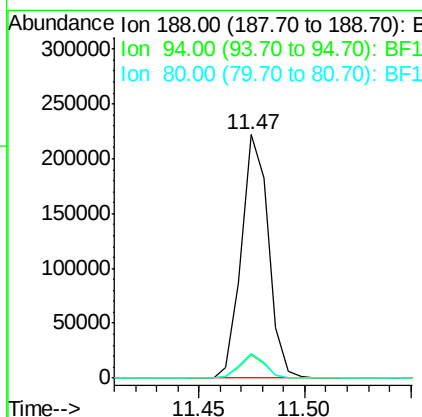
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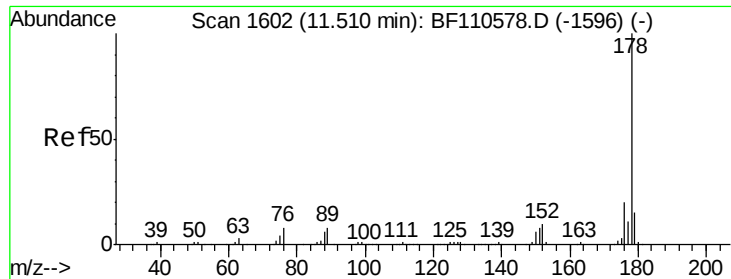
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	10.0	7.9	11.9





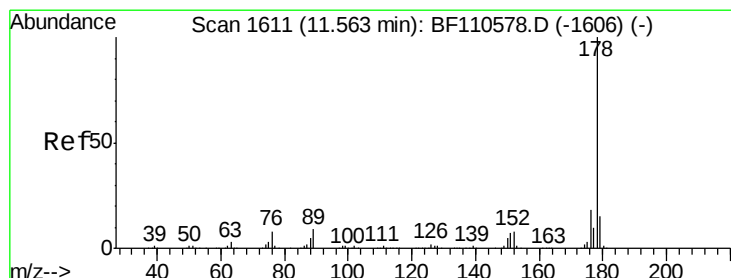
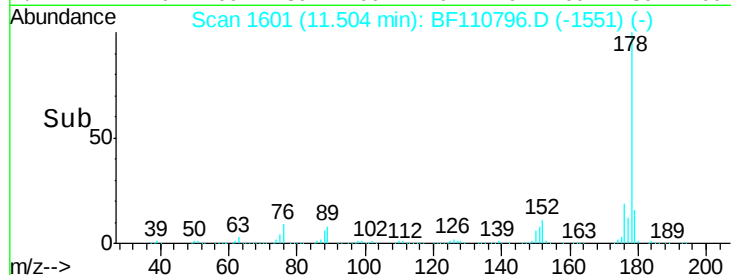
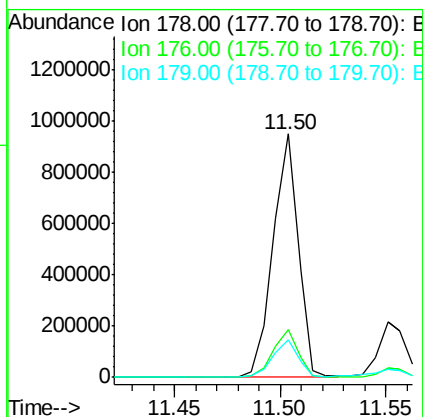
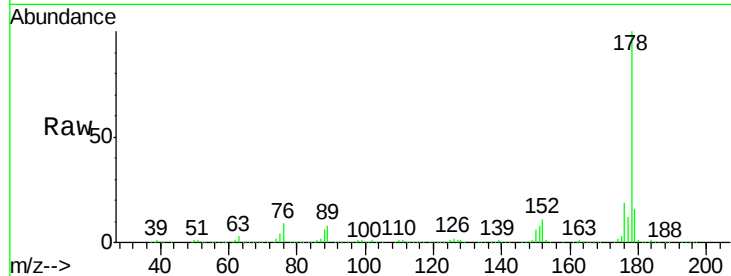
#71
Phenanthrene
Concen: 75.138 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Instrument :
BNA_F
ClientSampleId :
CL-01-111418-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

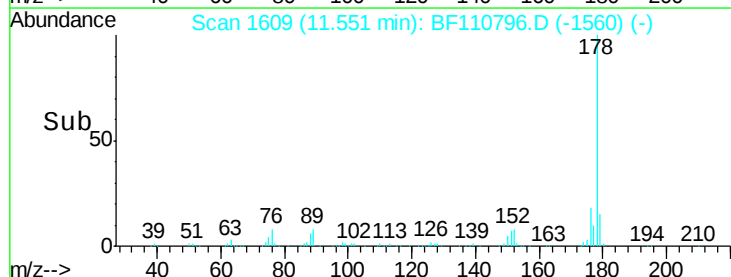
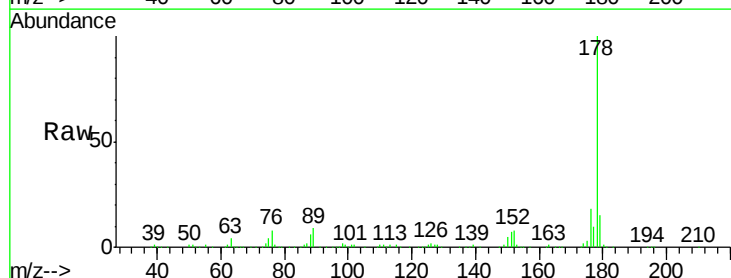
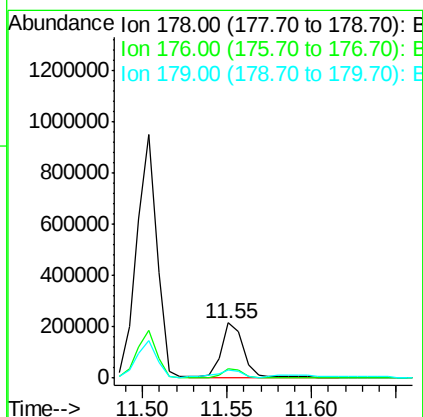
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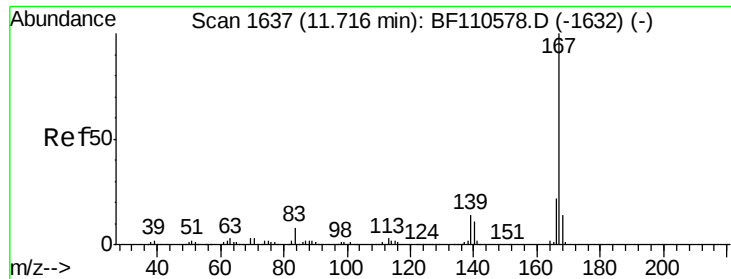
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#72
Anthracene
Concen: 18.808 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF110796.D
Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.4	12.6	18.8





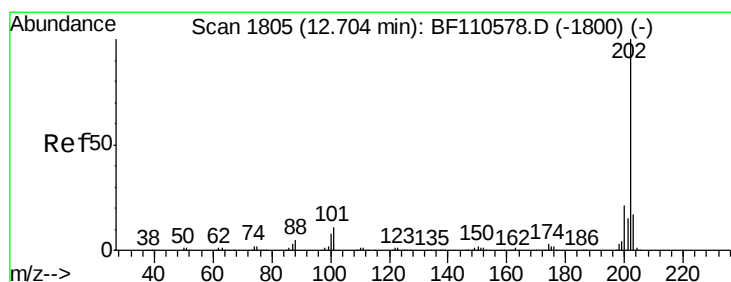
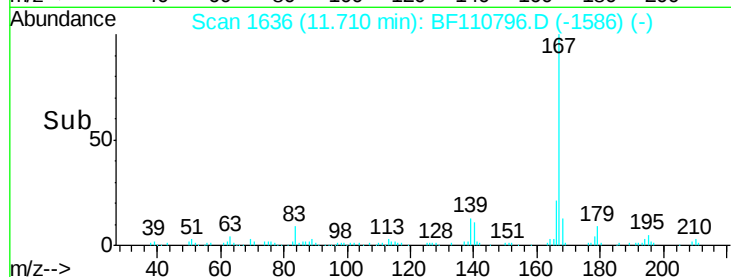
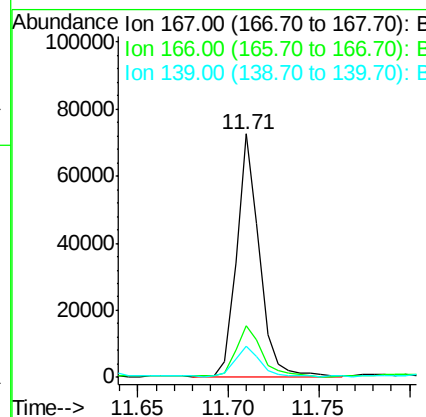
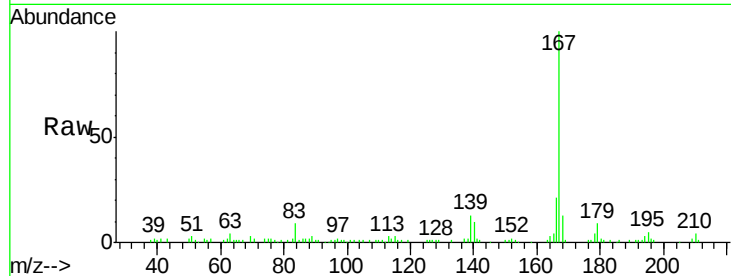
#73
 Carbazole
 Concen: 6.261 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111418-A

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	12.7	10.9	16.3

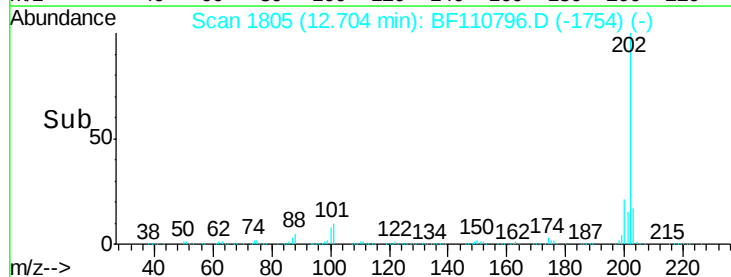
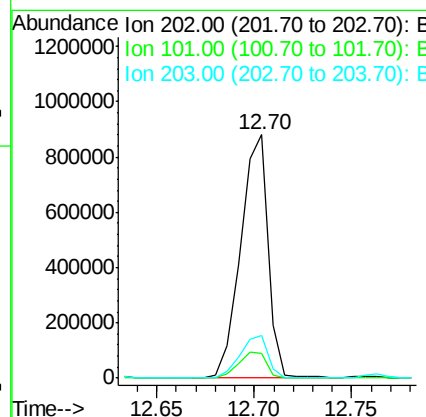
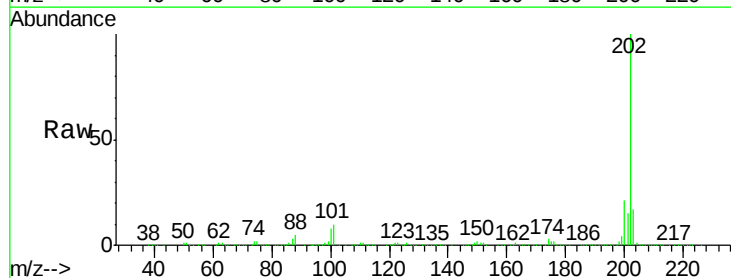
Manual Integrations
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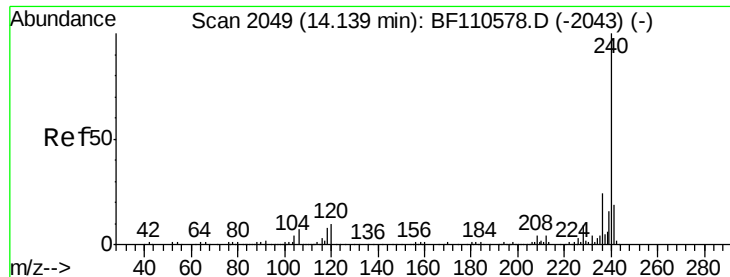
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#75
 Fluoranthene
 Concen: 81.581 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.4	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

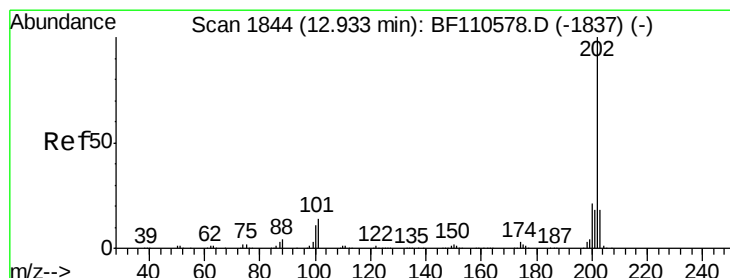
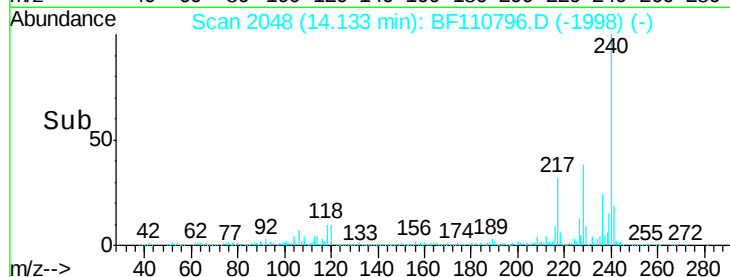
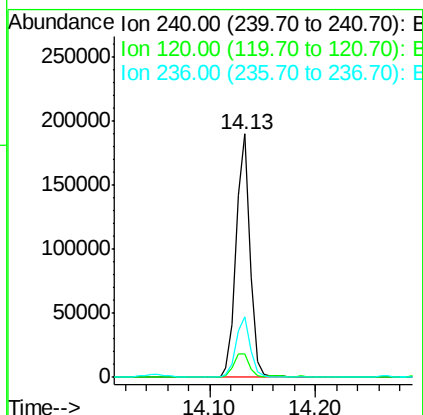
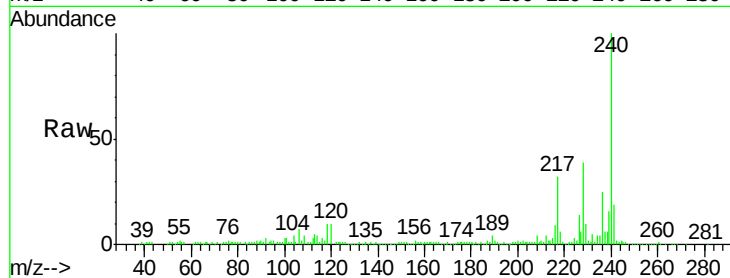
ClientSampleId :

CL-01-111418-A

Tgt Ion:	240	Resp:	168668
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.3	12.5
236	24.7	21.2	31.8

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#78

Pyrene

Concen: 62.469 ng

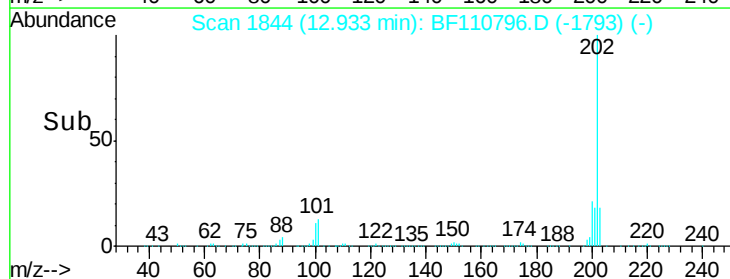
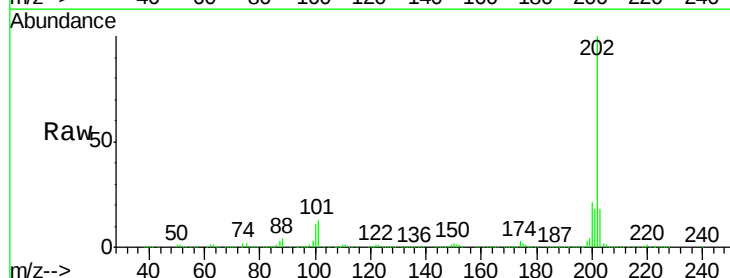
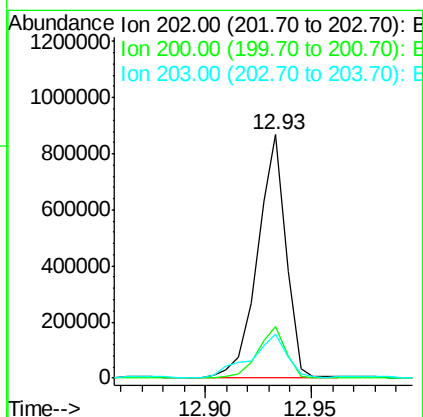
RT: 12.93 min Scan# 1844

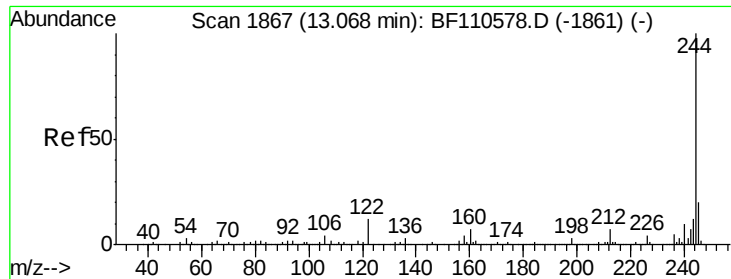
Delta R.T. 0.00 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Tgt Ion:	202	Resp:	811293
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.8	26.6
203	18.3	14.2	21.4





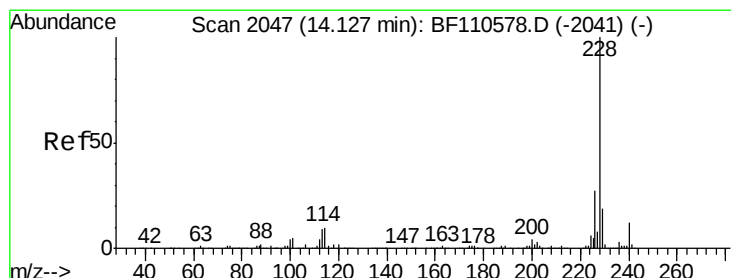
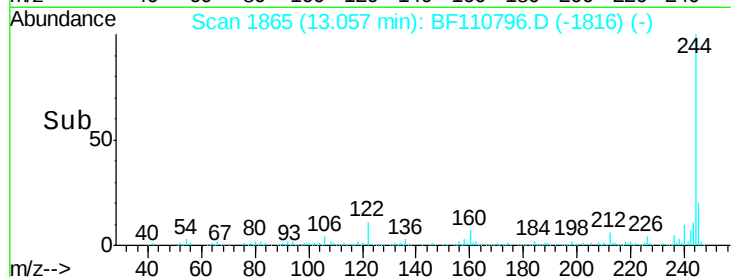
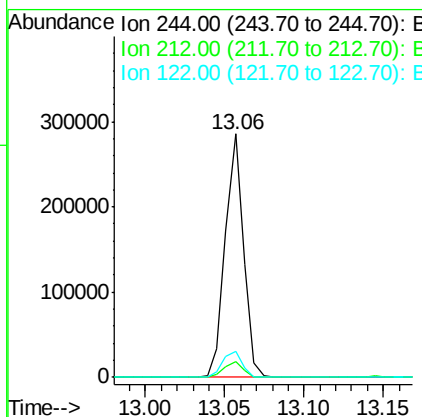
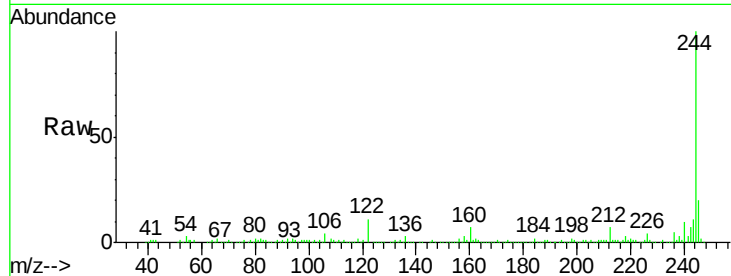
#79
 Terphenyl-d14
 Concen: 25.376 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111418-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.8	8.8
122	10.6	8.7	13.1

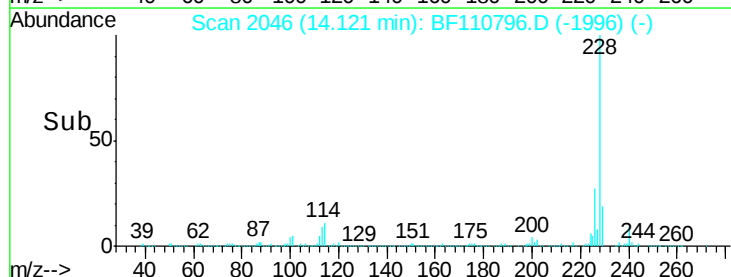
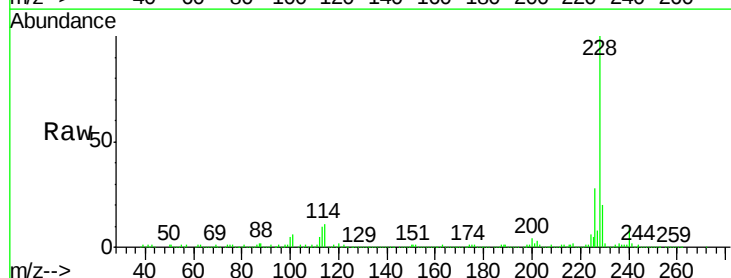
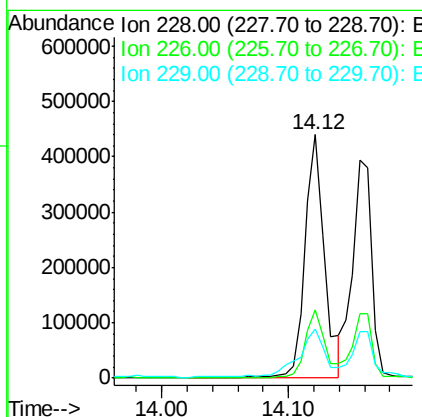
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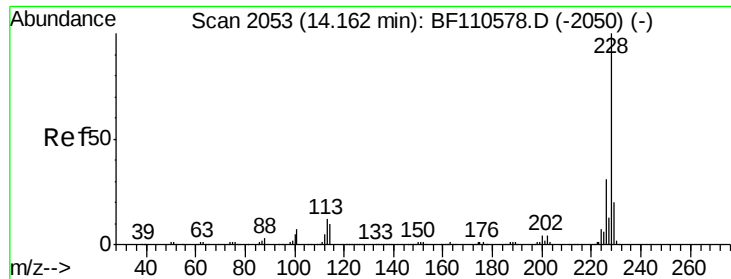
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#81
 Benzo(a)anthracene
 Concen: 46.290 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110796.D
 Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.8	22.1	33.1
229	20.2	15.6	23.4





#83

Chrysene

Concen: 42.630 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

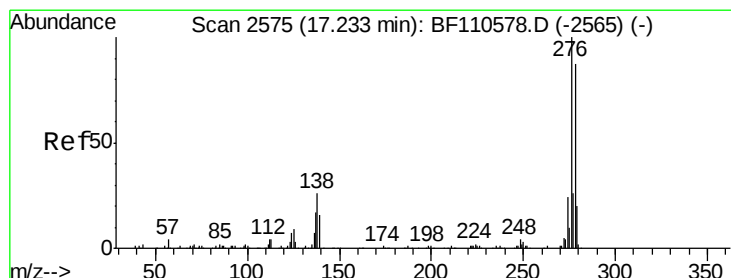
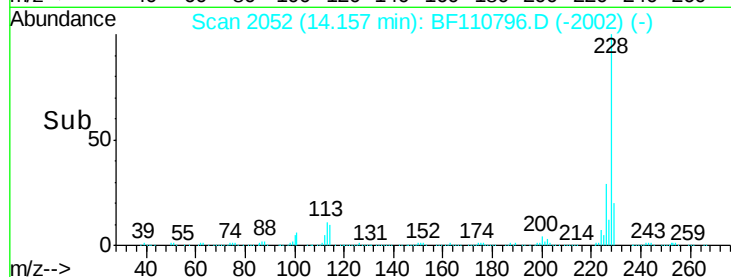
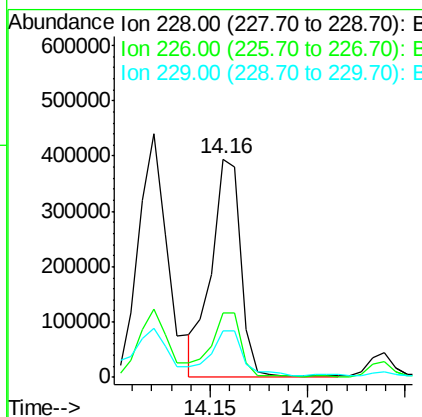
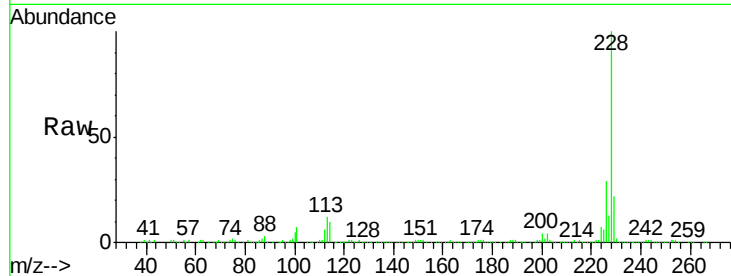
ClientSampleId :

CL-01-111418-A

Tgt Ion:	228	Resp:	409443
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.7	37.1
229	21.6	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 19.226 ng

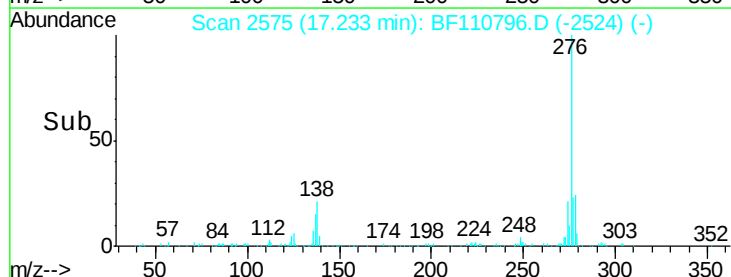
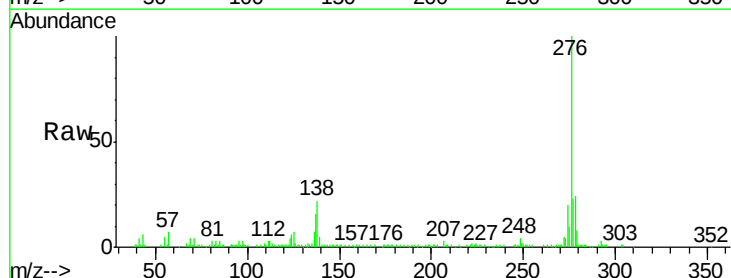
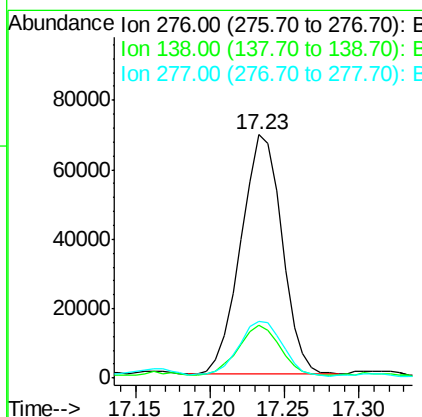
RT: 17.23 min Scan# 2575

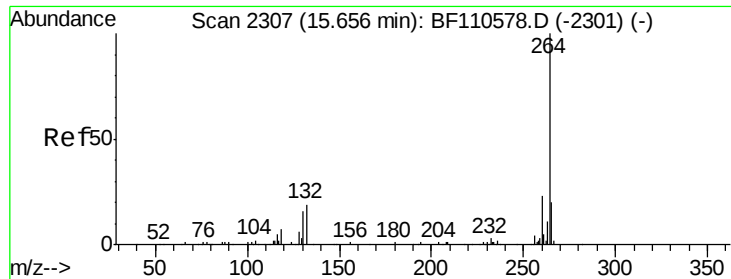
Delta R.T. 0.00 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Tgt Ion:	276	Resp:	132510
Ion Ratio	Lower	Upper	
276	100		
138	21.3	18.5	27.7
277	24.3	20.0	30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

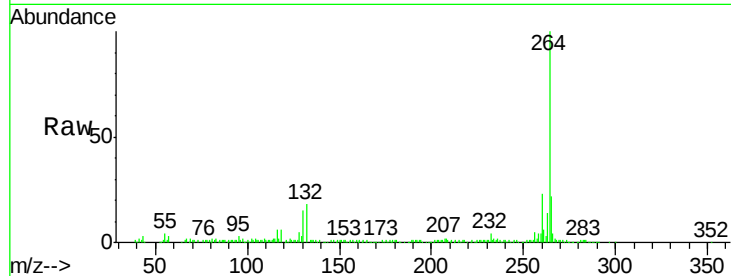
ClientSampleId :

CL-01-111418-A

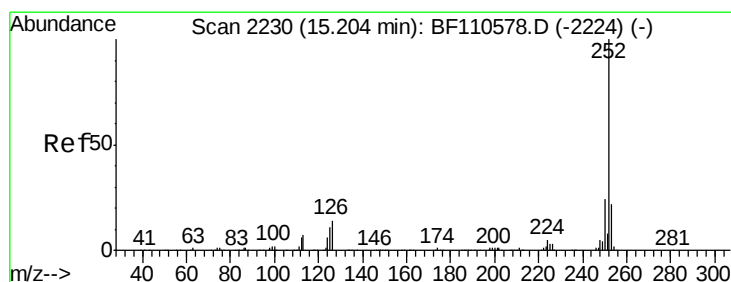
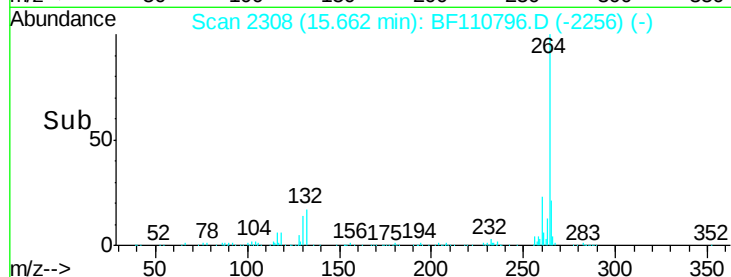
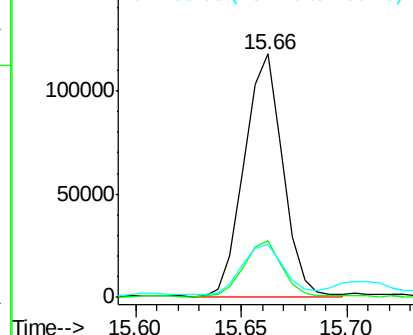
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.9	16.7	25.1

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 51.301 ng m

RT: 15.21 min Scan# 2231

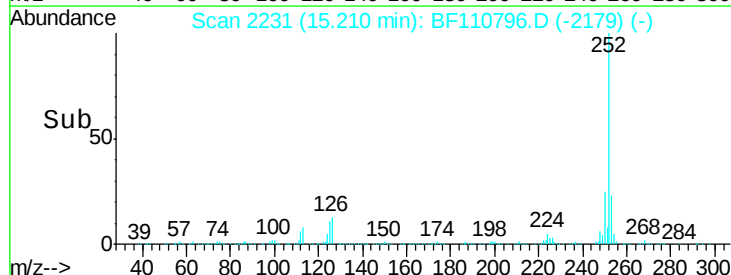
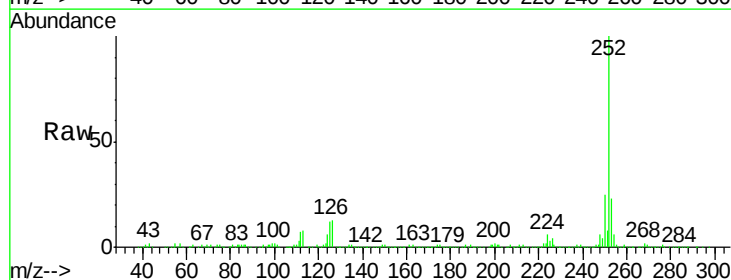
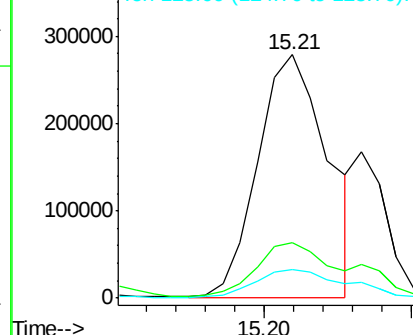
Delta R.T. 0.01 min

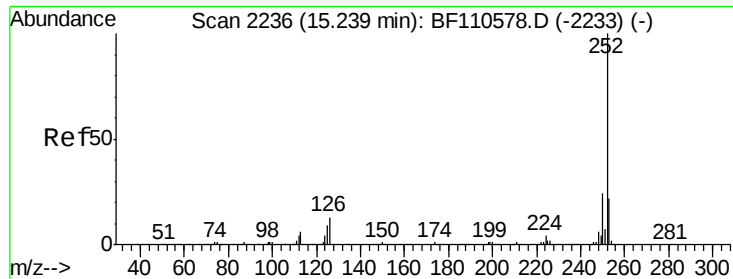
Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.6	8.2	12.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 14.273 ng m

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

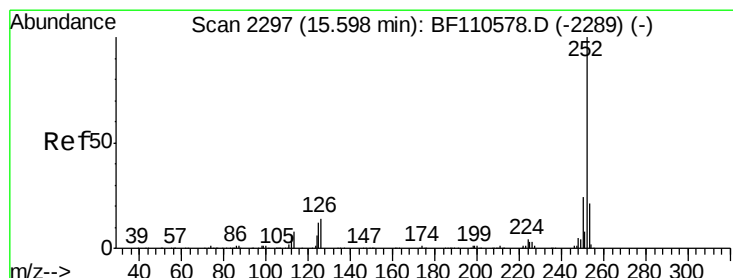
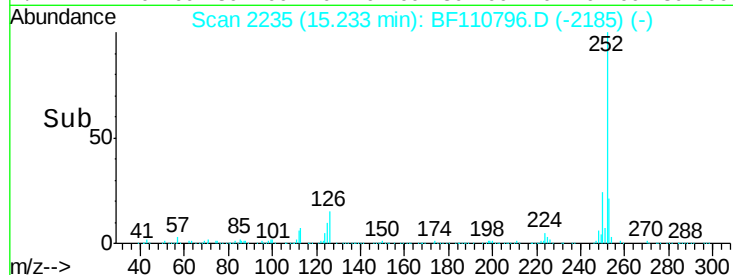
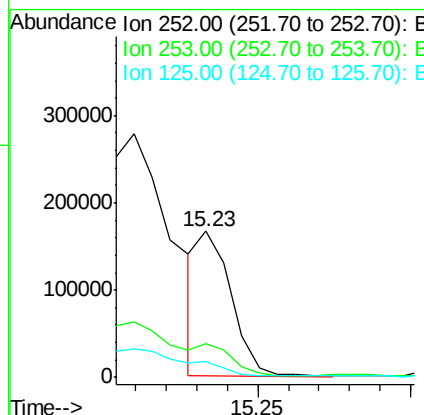
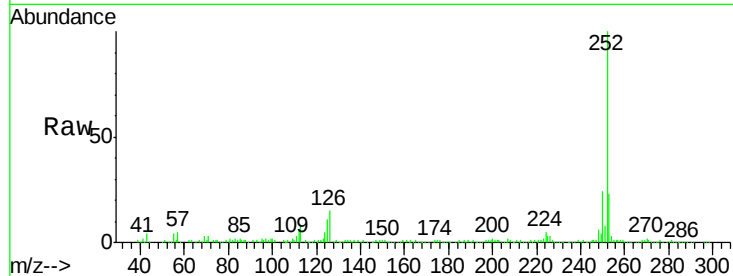
ClientSampleId :

CL-01-111418-A

Tgt Ion:	252	Resp:	125389
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	11.0	7.4	11.0

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#90

Benzo(a)pyrene

Concen: 38.545 ng

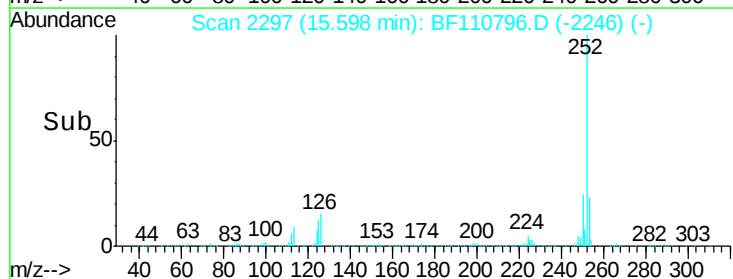
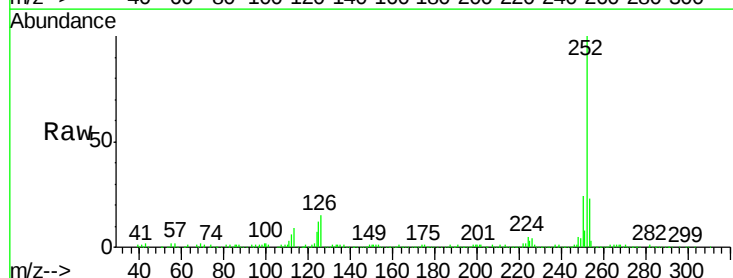
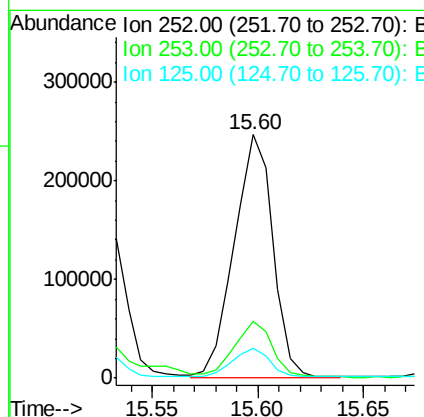
RT: 15.60 min Scan# 2297

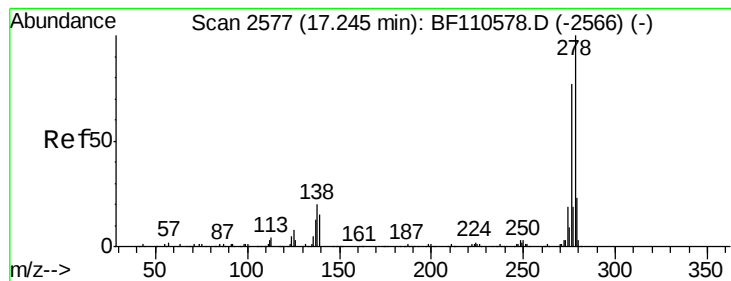
Delta R.T. 0.00 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Tgt Ion:	252	Resp:	311376
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.4
125	12.1	9.0	13.6





#91

Dibenzo(a,h)anthracene

Concen: 6.097 ng m

RT: 17.23 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Instrument :

BNA_F

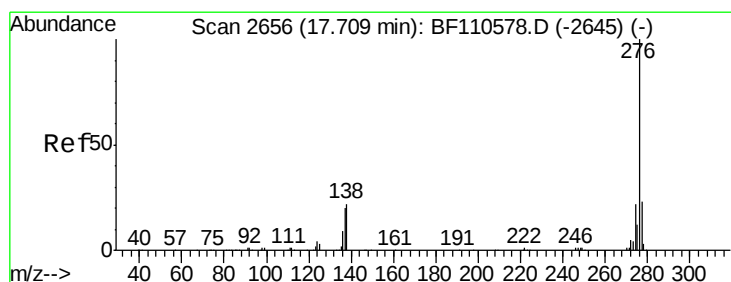
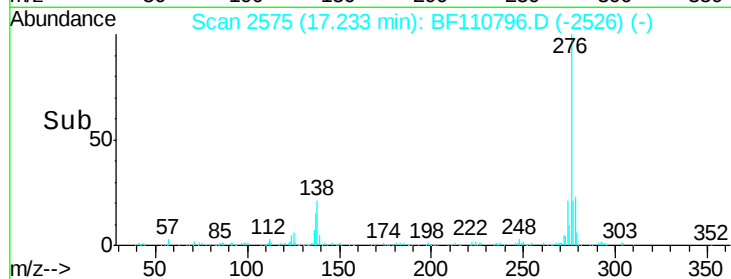
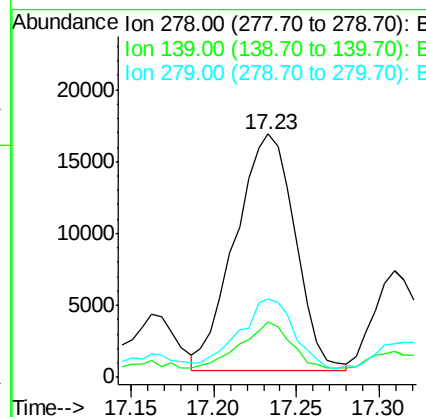
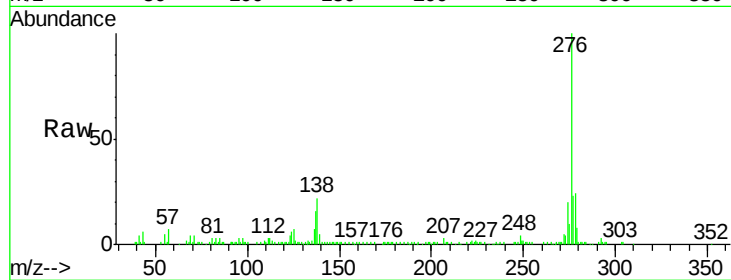
ClientSampleId :

CL-01-111418-A

Tgt Ion:	278	Resp:	41680
Ion Ratio	Lower	Upper	
278	100		
139	22.6	12.7	19.1#
279	32.1	19.0	28.4#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 17.801 ng

RT: 17.72 min Scan# 2657

Delta R.T. 0.01 min

Lab File: BF110796.D

Acq: 15 Nov 2018 18:50

Tgt Ion:	276	Resp:	120741
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.8	28.2
138	22.2	16.0	24.0

