

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106679.D
 Acq On : 21 Jun 2018 23:36
 Operator : JU/SJ
 Sample : J3245-09 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061918-A

Manual Integrations
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Sohil
 6/22/2018 10:23:29 AM

Quant Time: Jun 22 04:07:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	61307	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	228304	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	100327	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	196403	20.00	ng	0.00
75) Chrysene-d12	14.15	240	184527	20.00	ng	0.00
86) Perylene-d12	15.69	264	125634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	155521	42.96	ng	0.00
7) Phenol-d6	6.60	99	191399	42.33	ng	0.00
23) Nitrobenzene-d5	7.52	82	114668	27.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	47437	40.79	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	218355	26.73	ng	-0.01
78) Terphenyl-d14	13.08	244	262481	34.46	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	23261	3.091	ng	Qvalue # 96
70) Phenanthrene	11.52	178	82895	8.751	ng	97
71) Anthracene	11.57	178	25393	2.626	ng	98
74) Fluoranthene	12.71	202	254516	24.376	ng	95
77) Pyrene	12.94	202	250400	20.578	ng	99
80) Benzo(a)anthracene	14.14	228	128162	11.396	ng	98
82) Chrysene	14.17	228	105983	10.243	ng	96
85) Indeno(1,2,3-cd)pyrene	17.25	276	41627m	4.741	ng	
87) Benzo(b)fluoranthene	15.23	252	100032m	12.818	ng	
88) Benzo(k)fluoranthene	15.25	252	33737m	4.539	ng	
89) Benzo(a)pyrene	15.62	252	69840	10.067	ng	97
91) Benzo(a,h,i)perylene	17.74	276	46814	8.146	ng	# 88

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

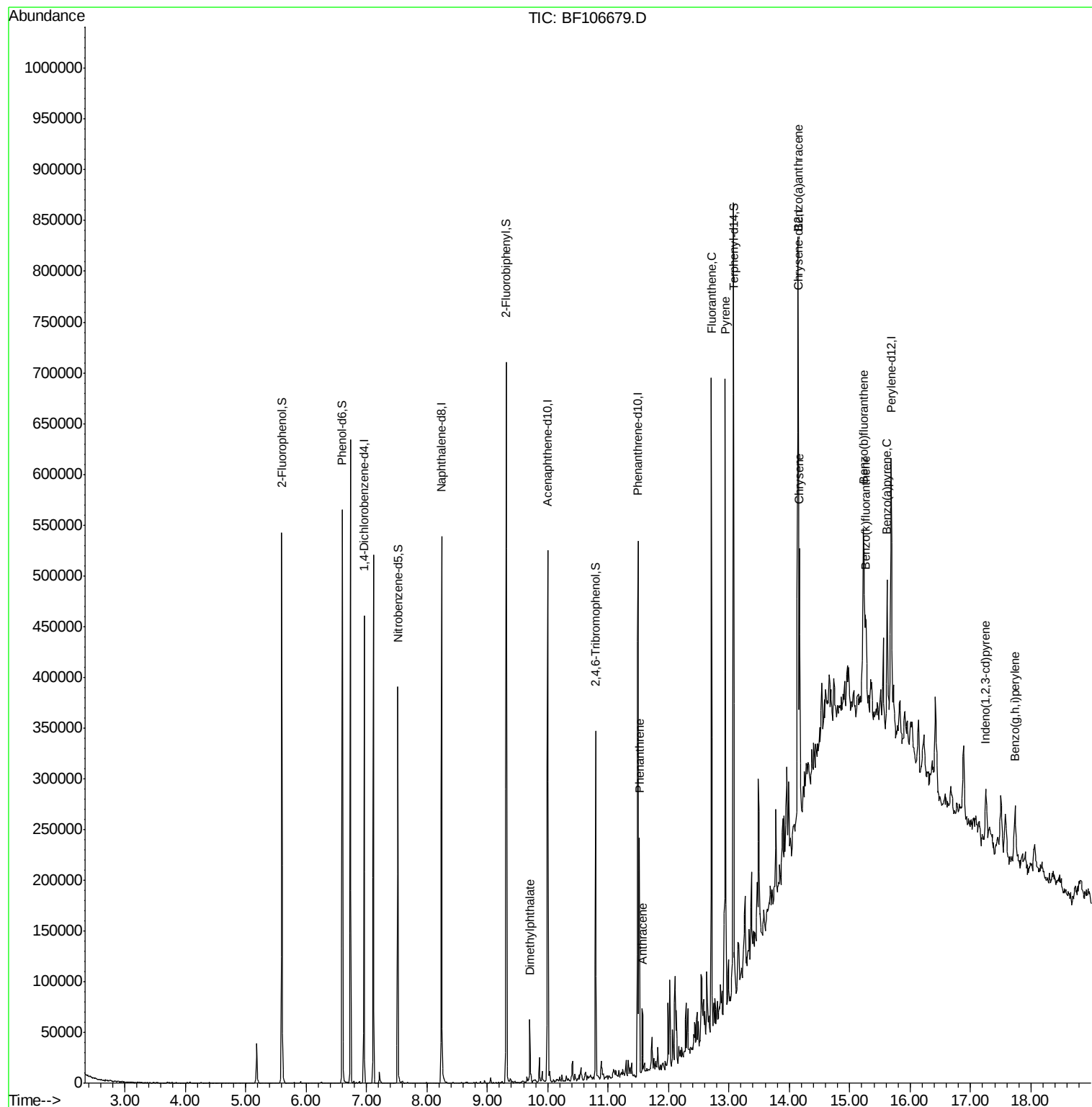
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

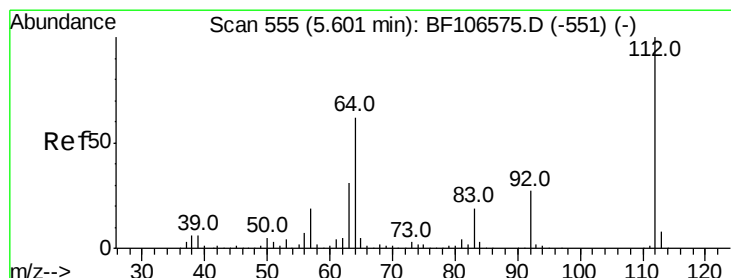
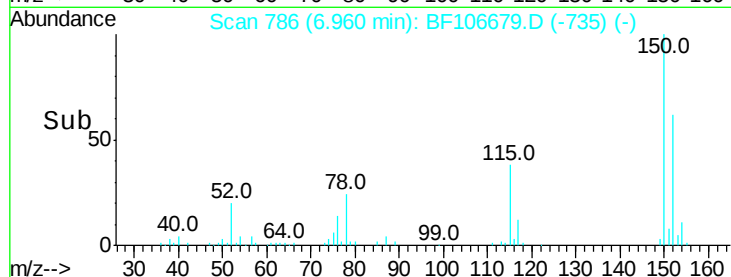
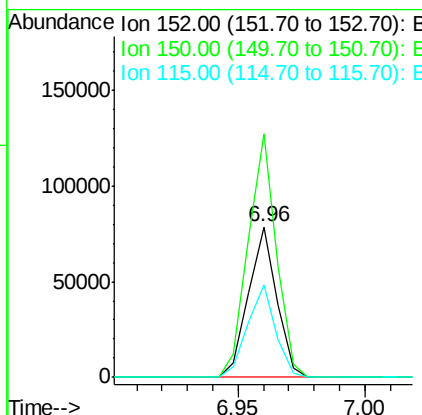
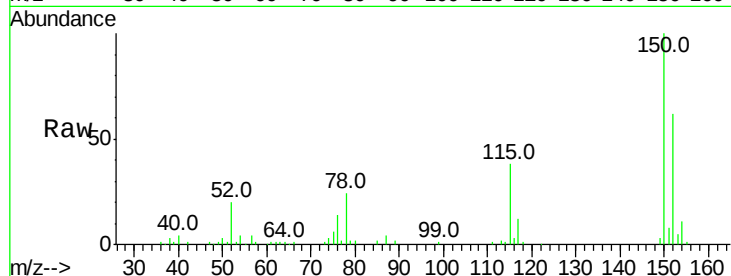
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.6	186.8
115	61.4	50.1	75.1

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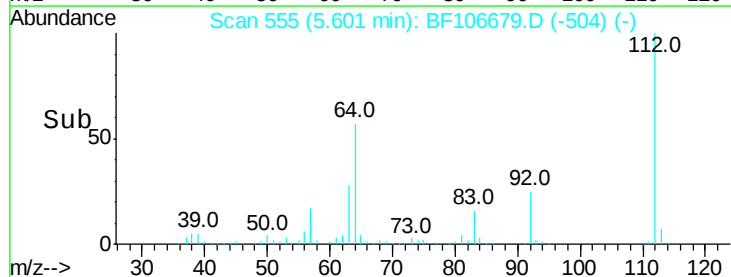
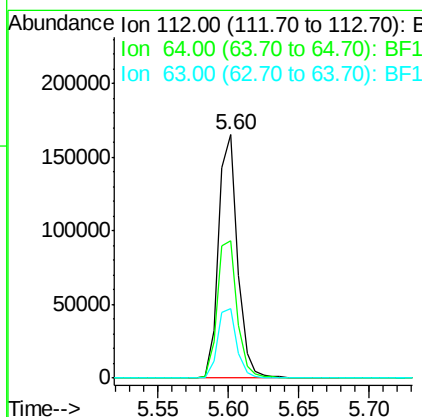
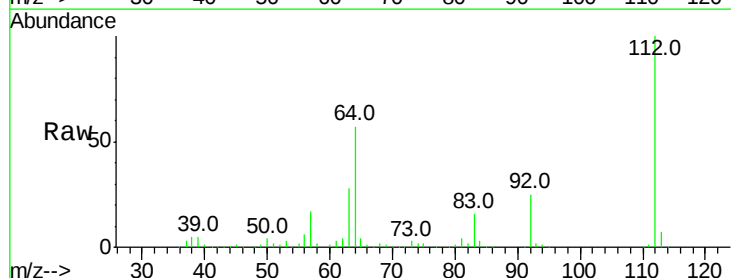
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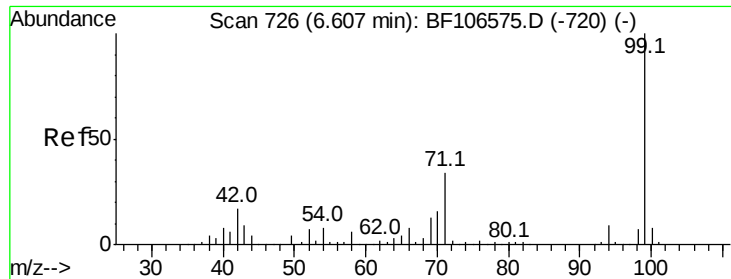


#5

2-Fluorophenol
Concen: 42.955 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 42.332 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

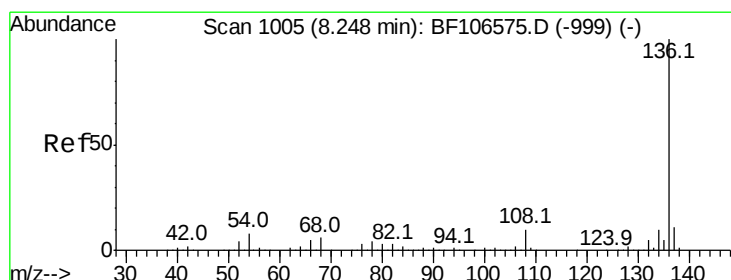
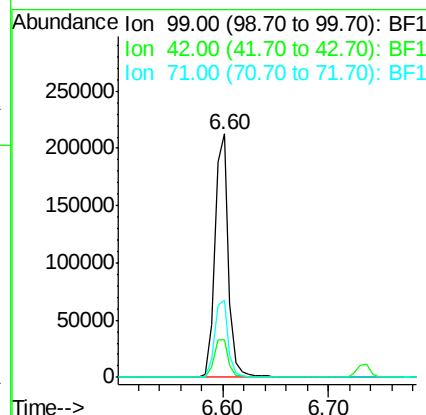
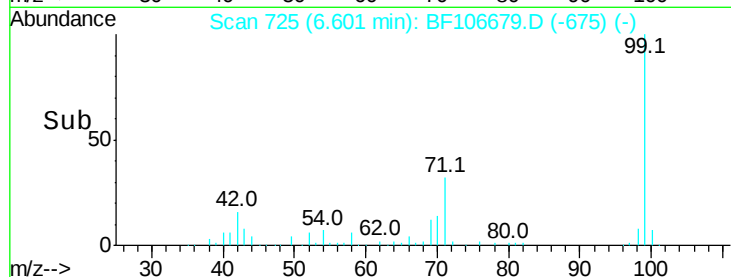
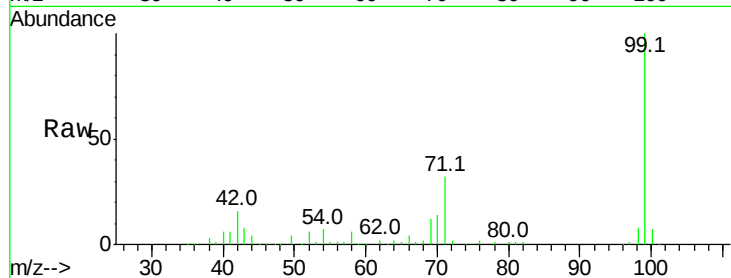
ClientSampleId :

CL-02-061918-A

Tot Ion:	99	Resp:	191399
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	31.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

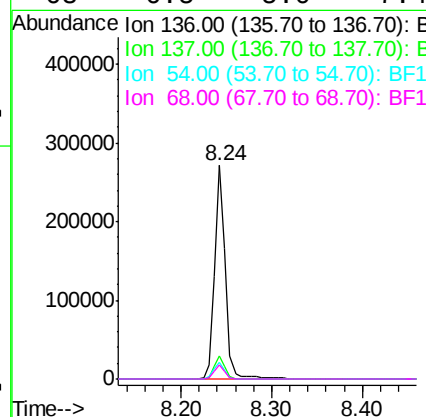
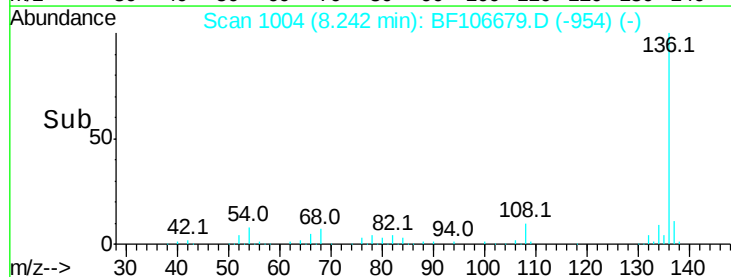
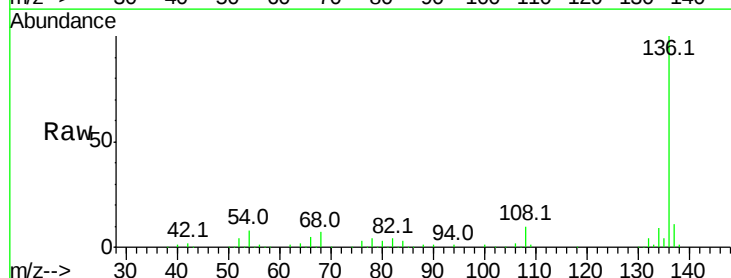
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Tgt Ion:	136	Resp:	228304
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.0	6.6	9.8
68	6.5	5.0	7.4





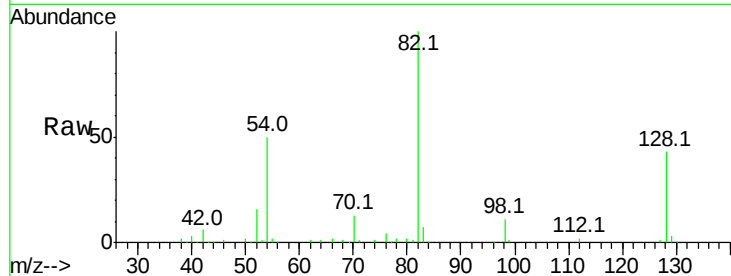
#23
Nitrobenzene-d5
Concen: 27.912 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
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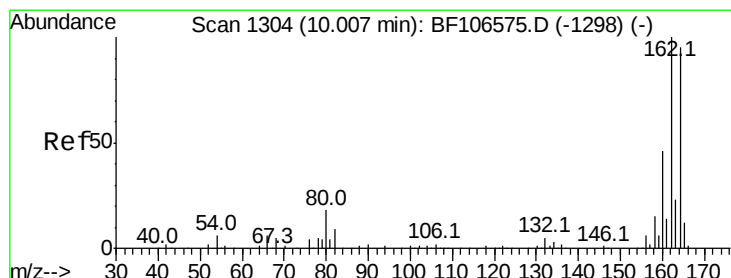
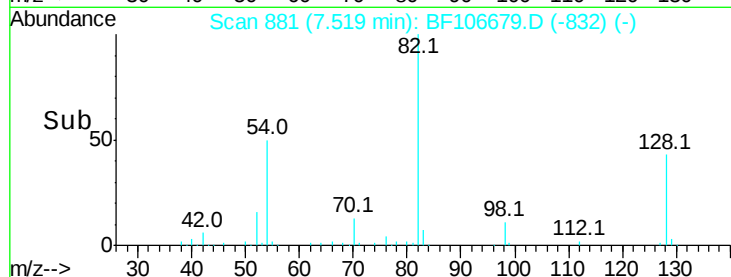
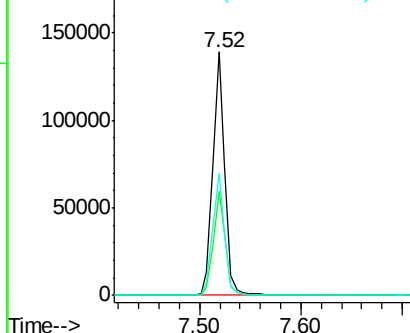
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.7	36.1	54.1	
54	50.3	41.4	62.2	

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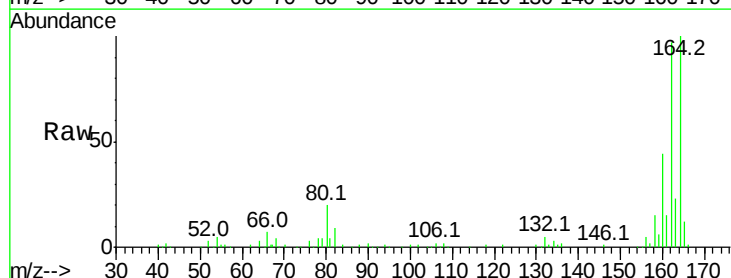


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

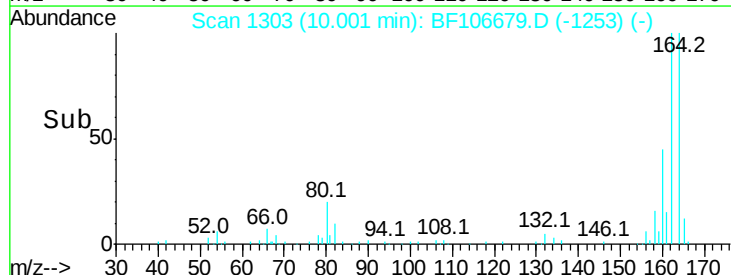
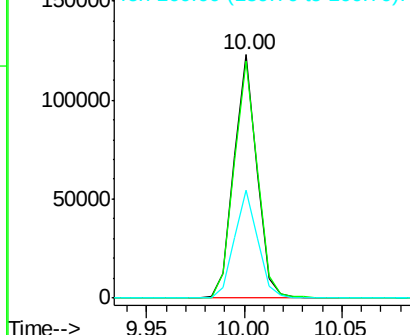


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	97.4	86.1	129.1	
160	44.2	38.3	57.5	



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





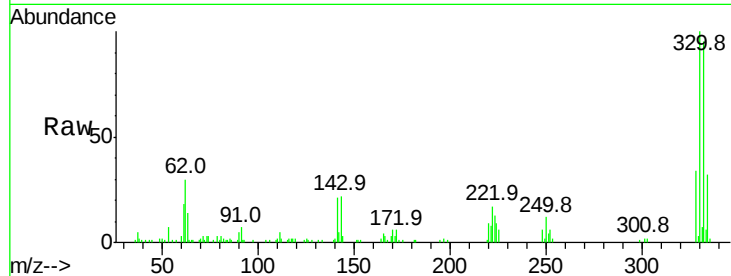
#41
 2,4,6-Tribromophenol
 Concen: 40.795 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106679.D
 Acq: 21 Jun 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061918-A

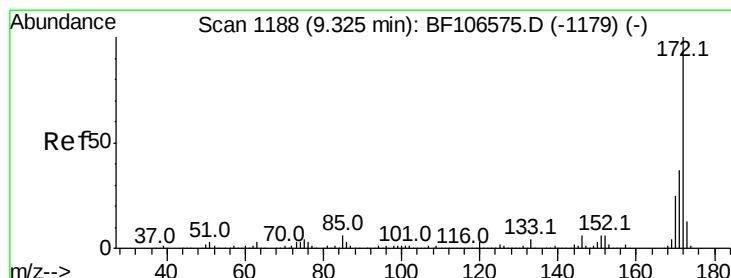
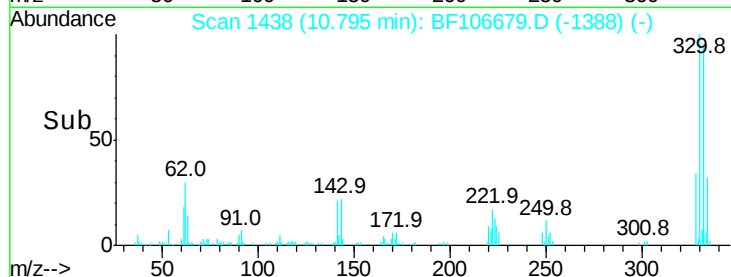
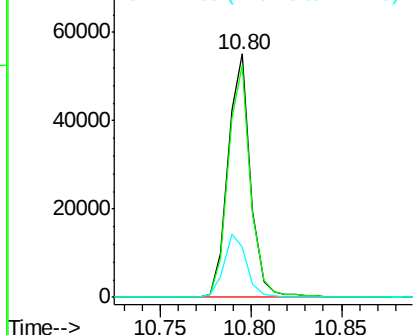
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	26.0	29.9	44.9#

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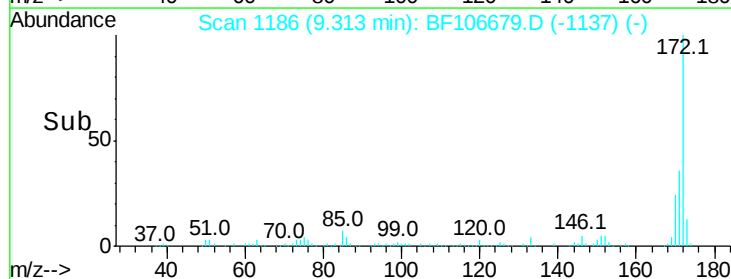
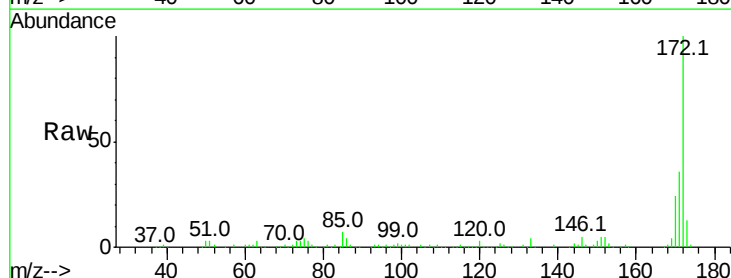
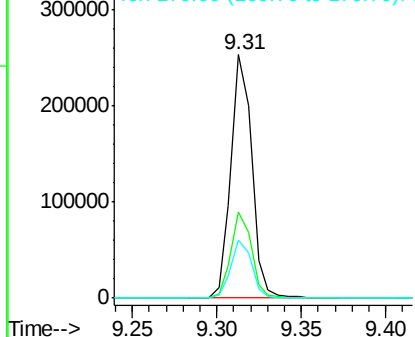
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 26.726 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106679.D
 Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.6	19.6	29.4

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





#49

Dimethylphthalate

Concen: 3.091 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

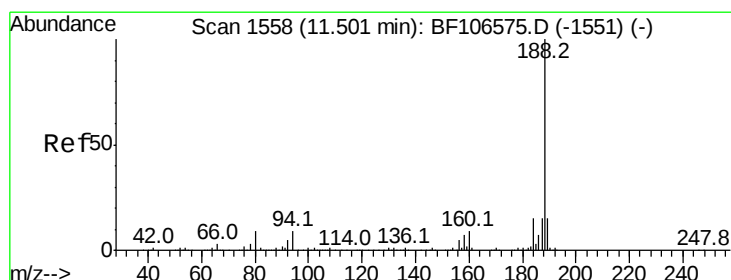
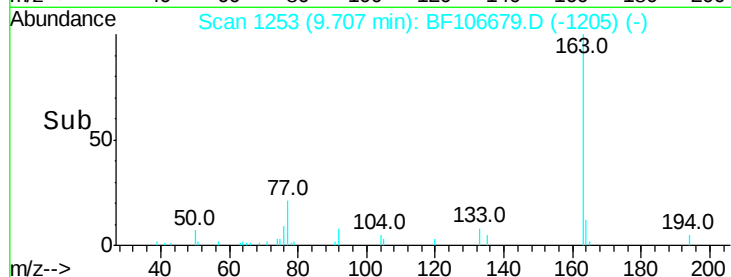
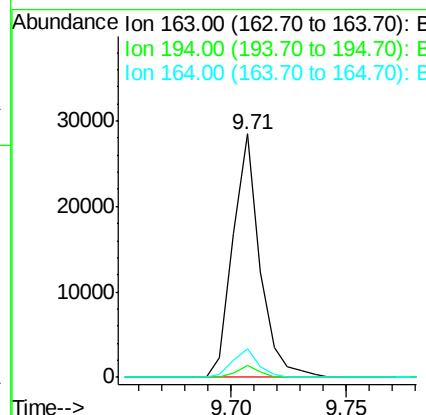
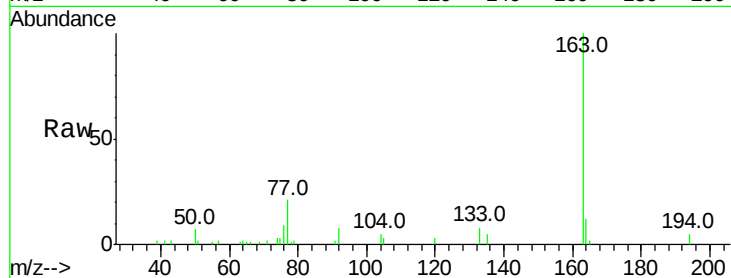
ClientSampleId :

CL-02-061918-A

Tot Ion:	163	Resp:	23261
Ion Ratio	Lower	Upper	
163	100		
194	4.8	2.7	4.1#
164	11.6	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

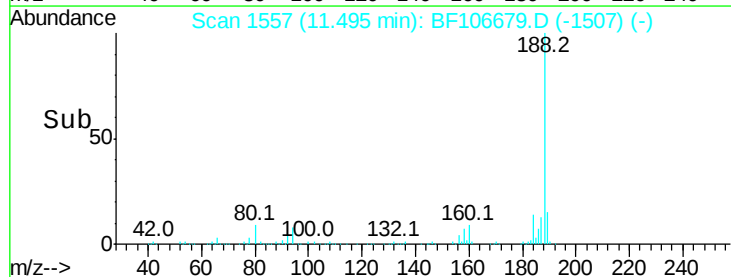
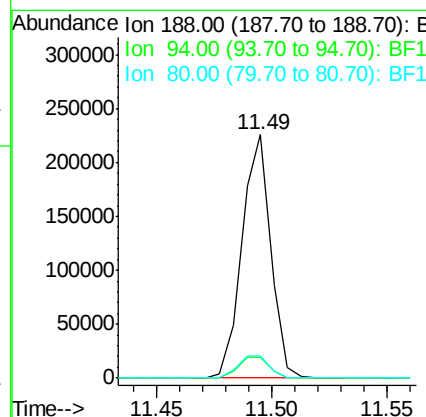
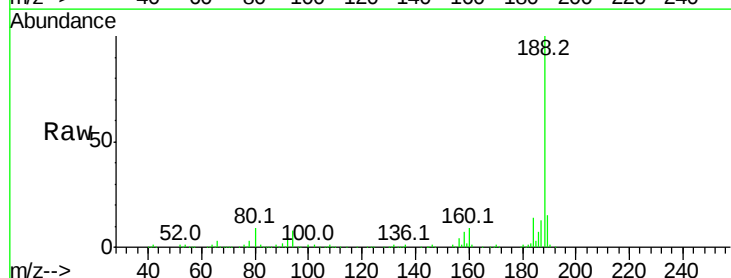
RT: 11.49 min Scan# 1557

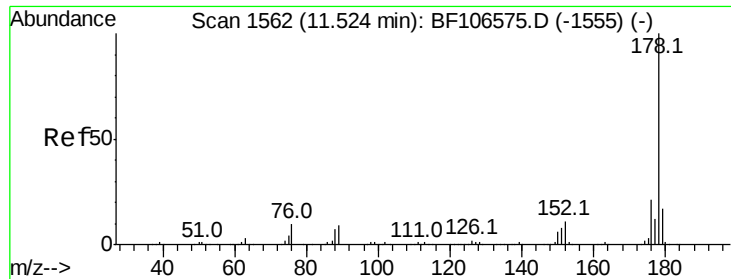
Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Tgt Ion:	188	Resp:	196403
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.5	12.7#
80	9.0	9.2	13.8#





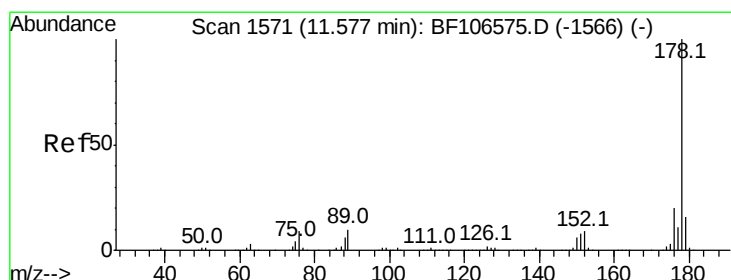
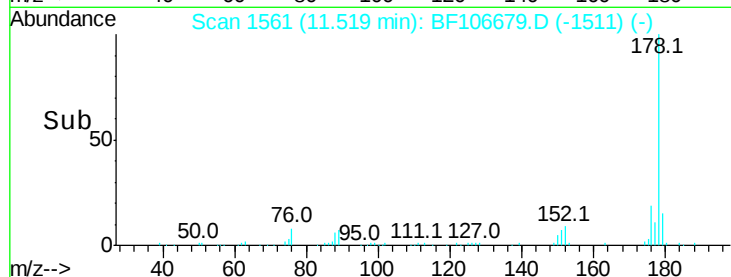
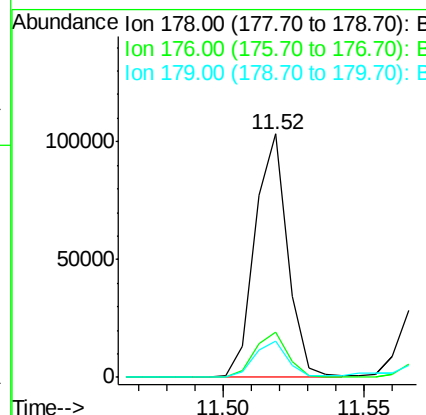
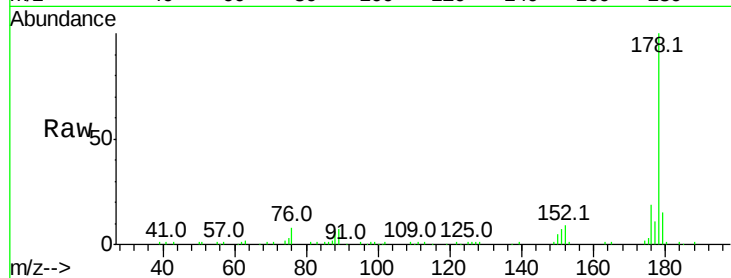
#70
Phenanthrene
Concen: 8.751 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	14.9	13.0	19.6

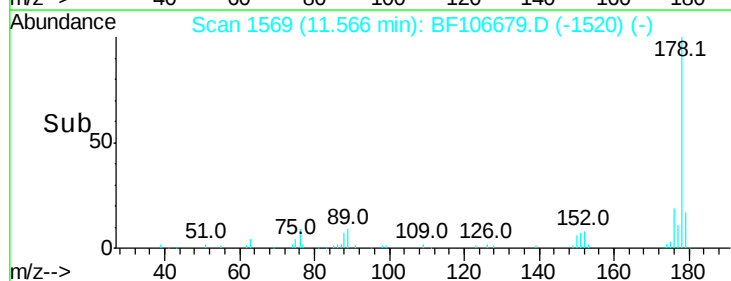
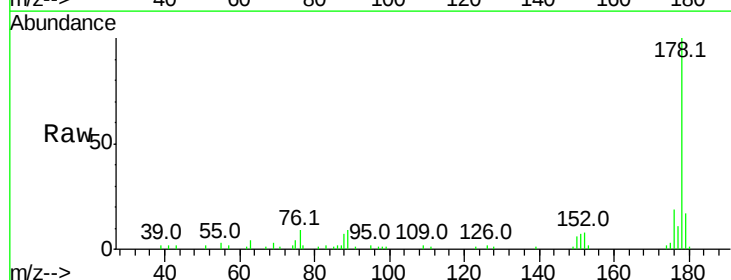
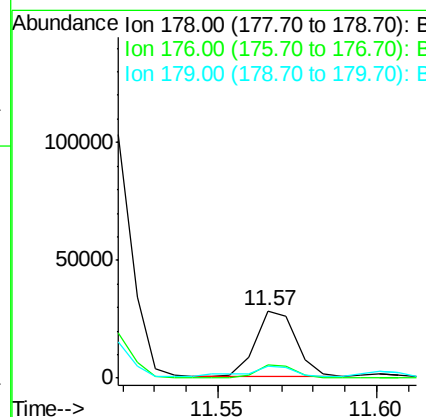
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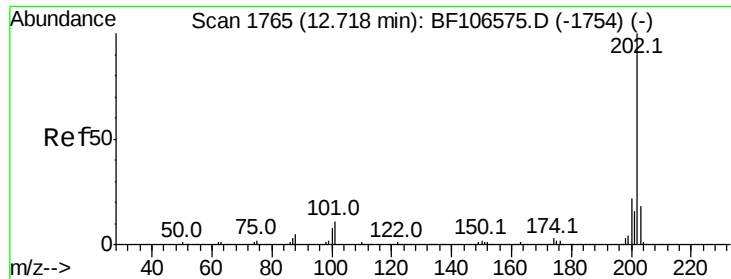
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#71
Anthracene
Concen: 2.626 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	17.0	12.6	19.0





#74

Fluoranthene

Concen: 24.376 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

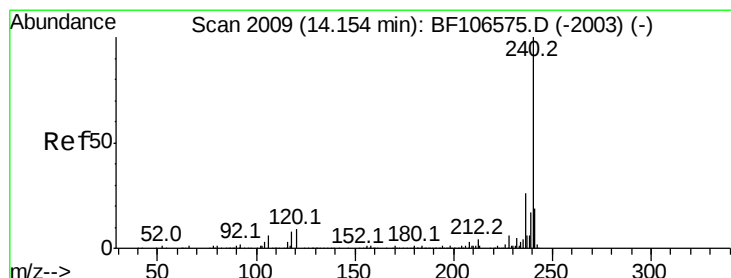
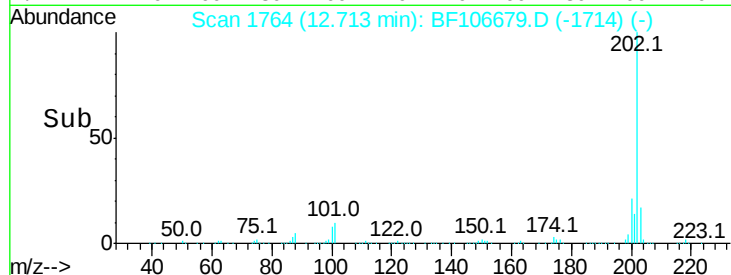
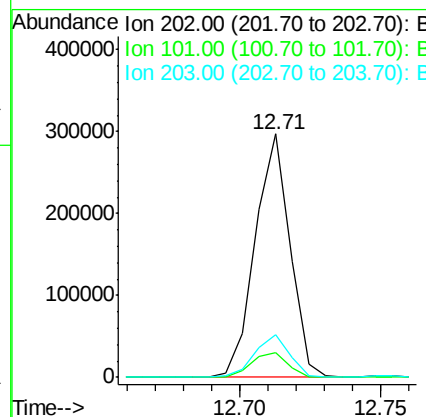
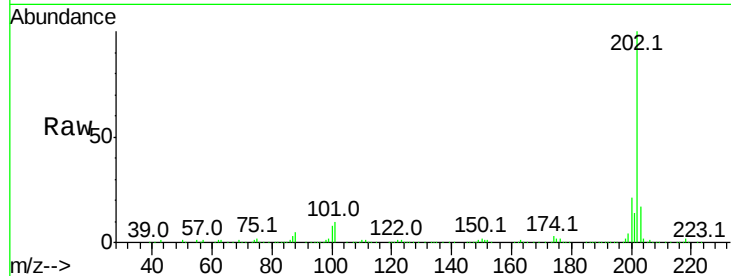
ClientSampleId :

CL-02-061918-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

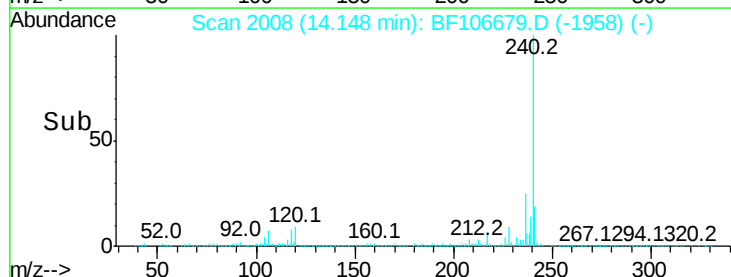
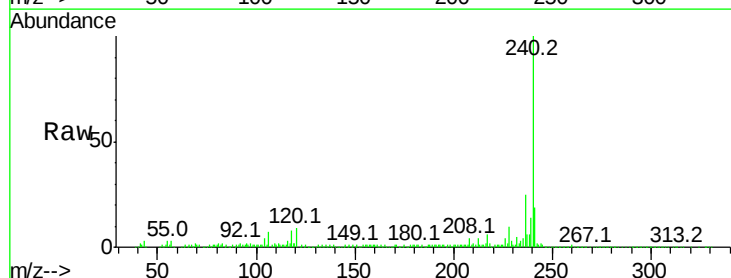
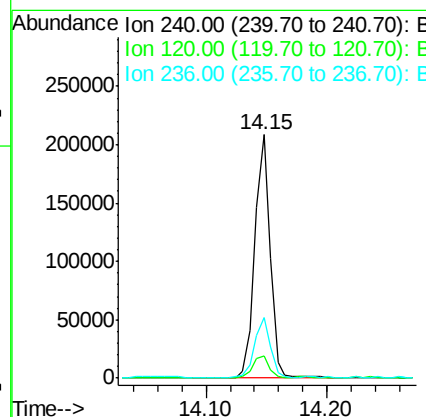
RT: 14.15 min Scan# 2008

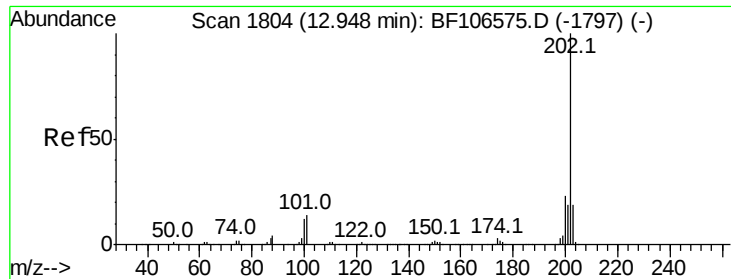
Delta R.T. -0.01 min

Lab File: BF106679.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	25.1	20.7	31.1





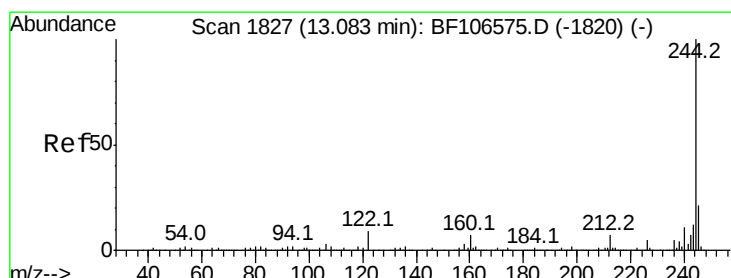
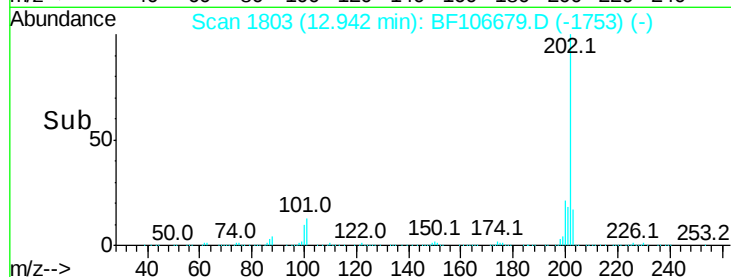
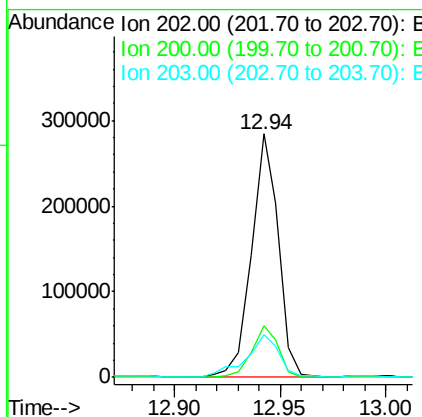
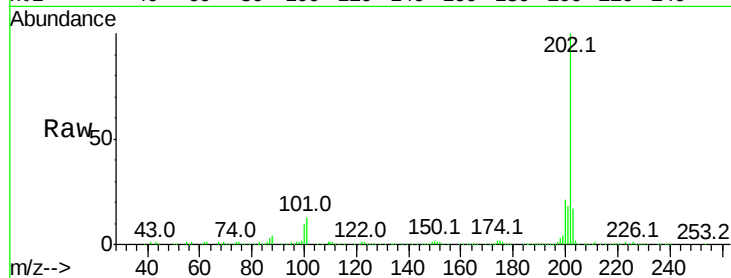
#77
Pvrene
Concen: 20.578 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.4	14.3	21.5

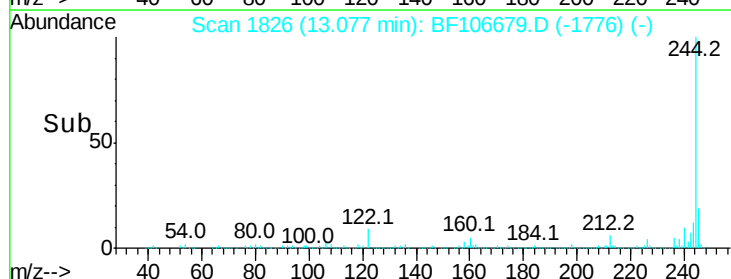
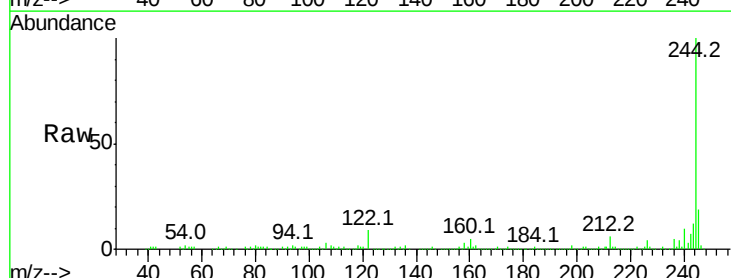
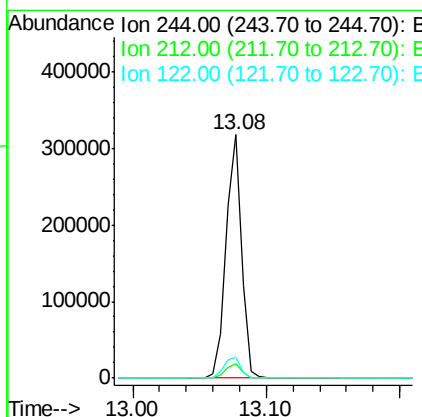
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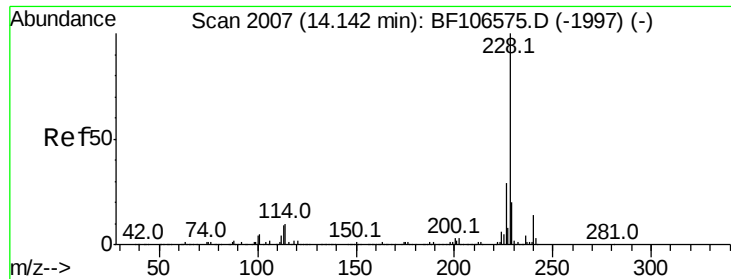
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#78
Terphenyl-d14
Concen: 34.456 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.4	8.0
122	8.7	11.0	16.4#





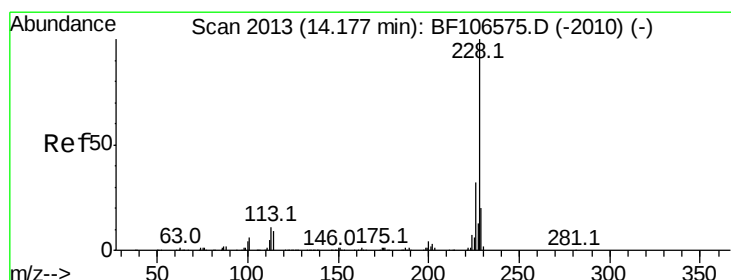
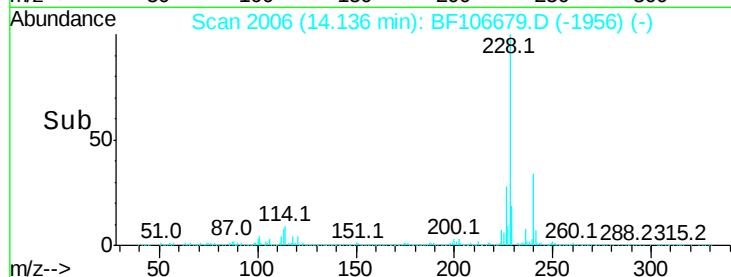
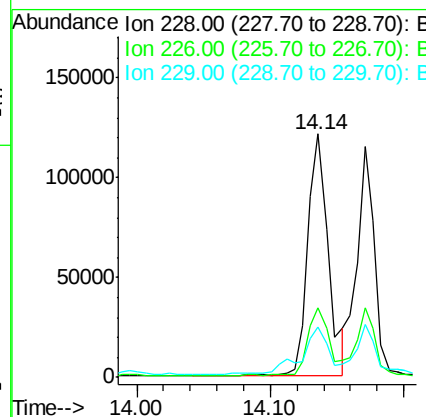
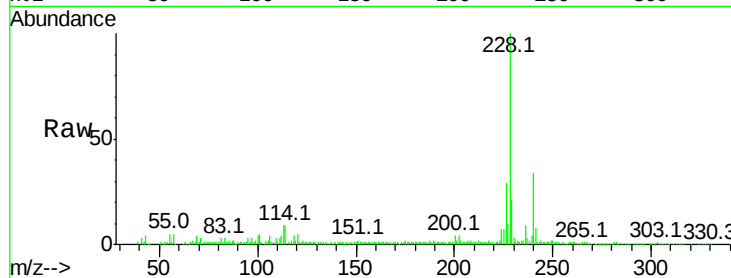
#80
Benzo(a)anthracene
Concen: 11.396 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.8	15.8	23.6

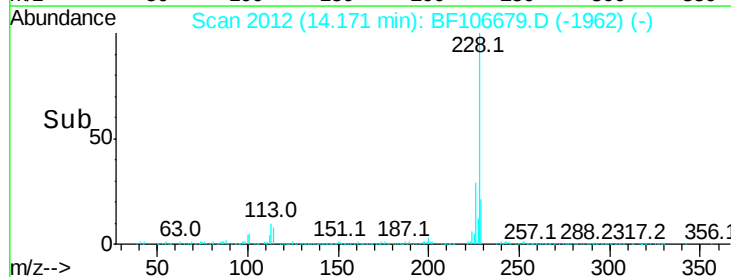
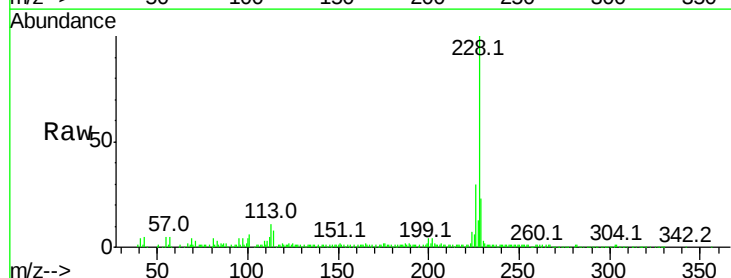
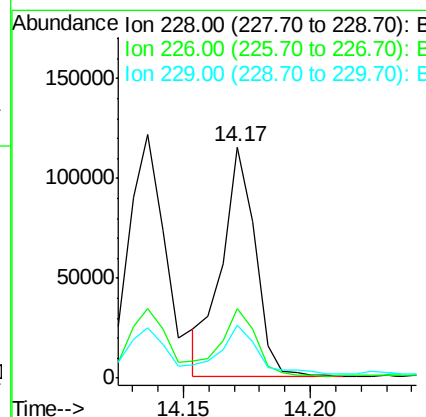
Manual Integrations
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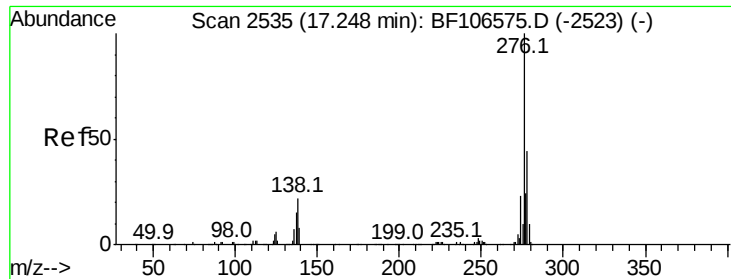
Sohil
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#82
Chrysene
Concen: 10.243 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	23.2	16.2	24.4





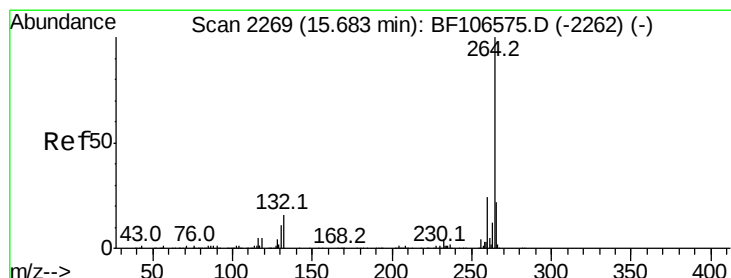
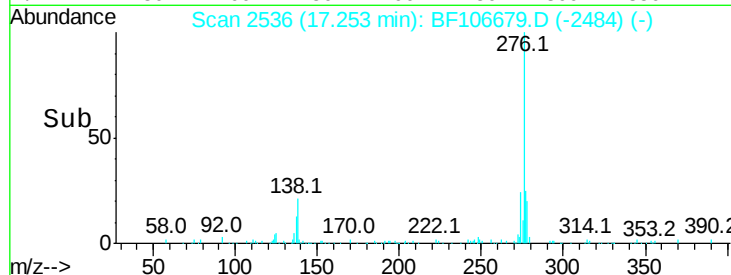
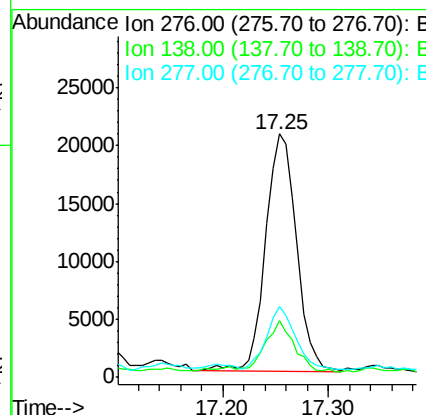
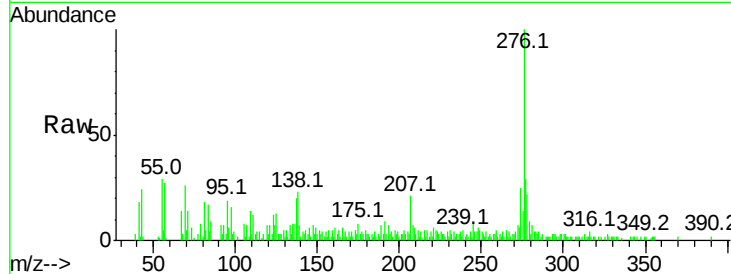
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.741 ng/ml
RT: 17.25 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.0	25.0	37.6#
277	5.9	20.1	30.1#

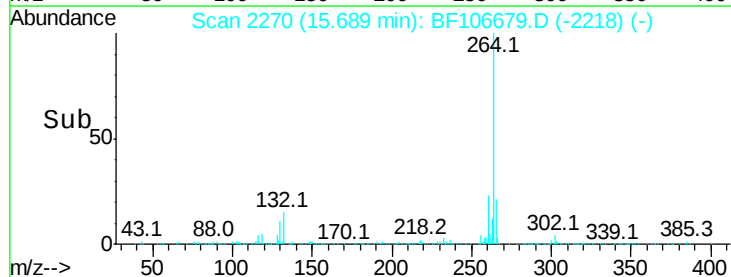
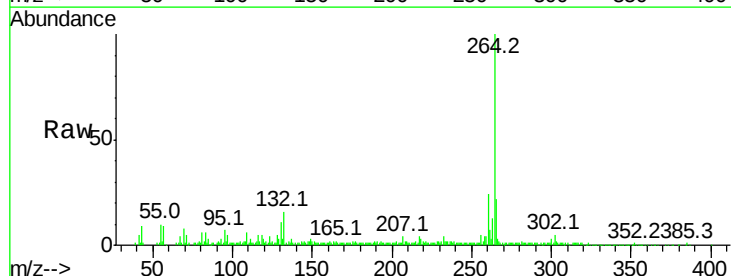
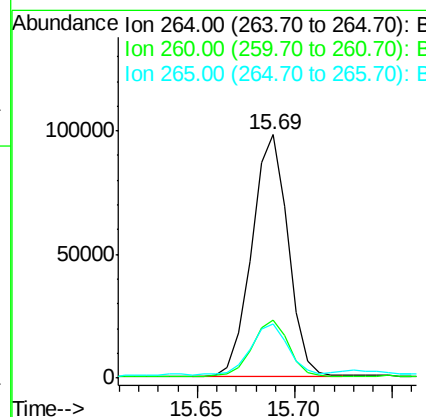
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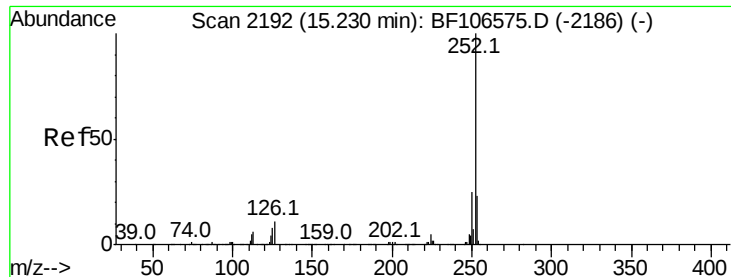
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.818 ng m

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Instrument :

BNA_F

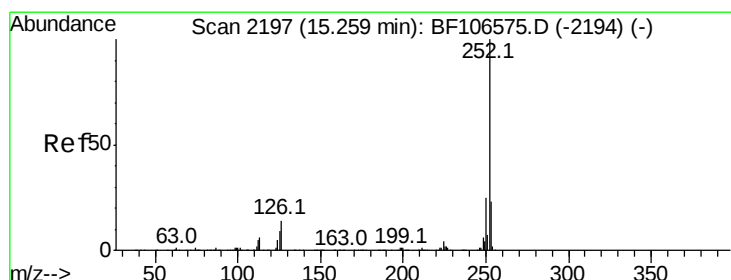
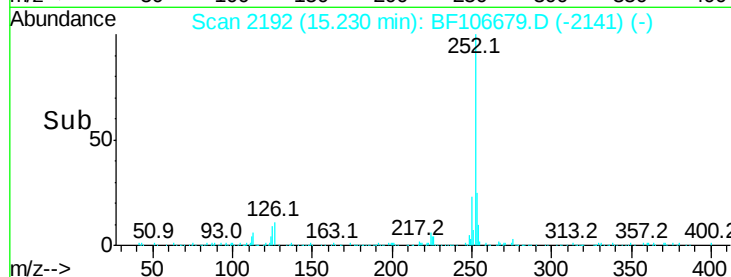
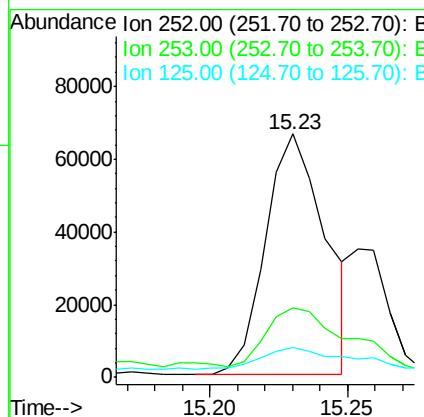
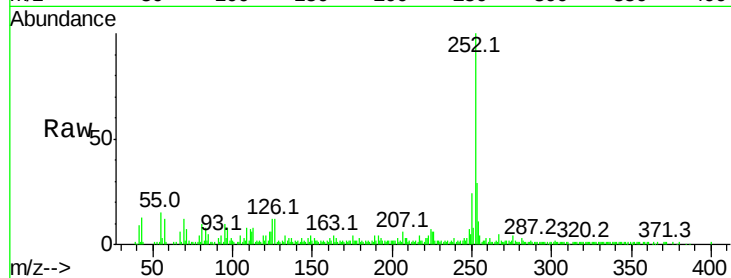
ClientSampleId :

CL-02-061918-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.0	25.6#
125	12.1	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.539 ng m

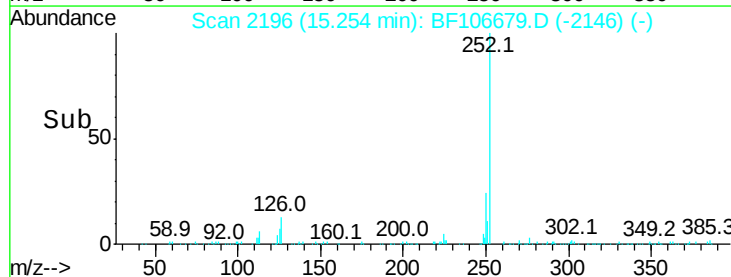
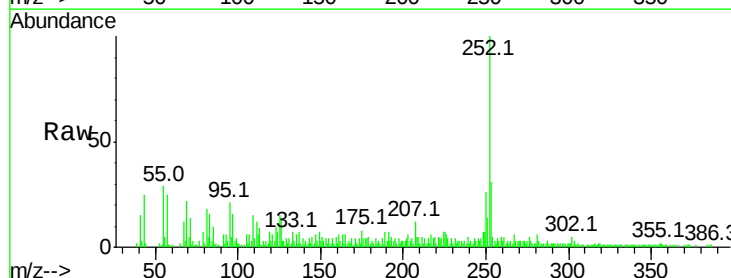
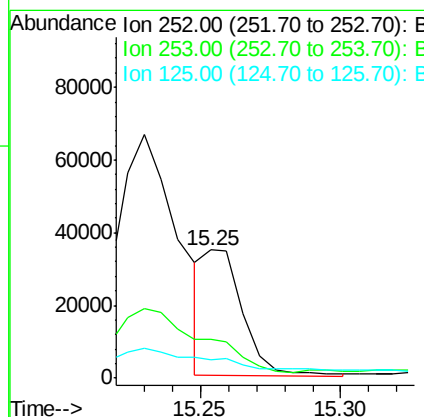
RT: 15.25 min Scan# 2196

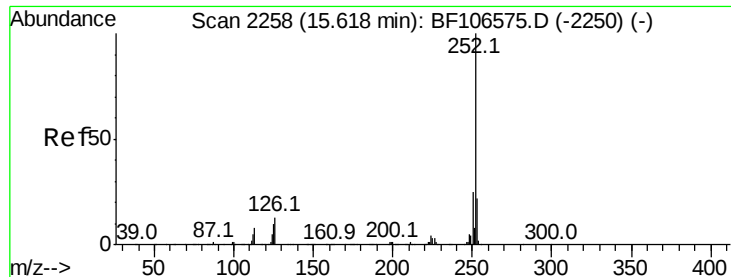
Delta R.T. -0.01 min

Lab File: BF106679.D

Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.9	26.9#
125	14.5	10.2	15.2





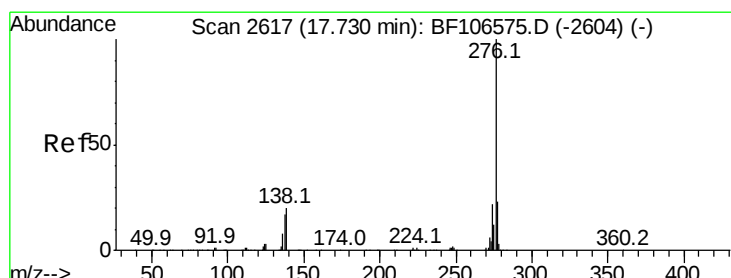
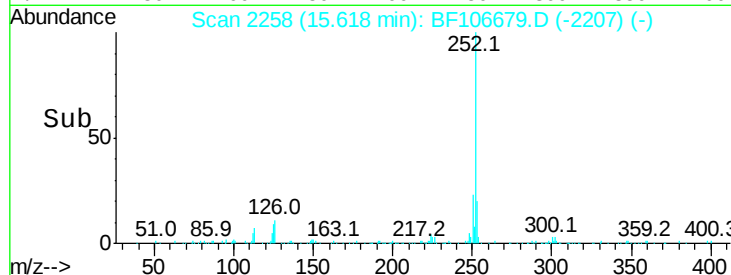
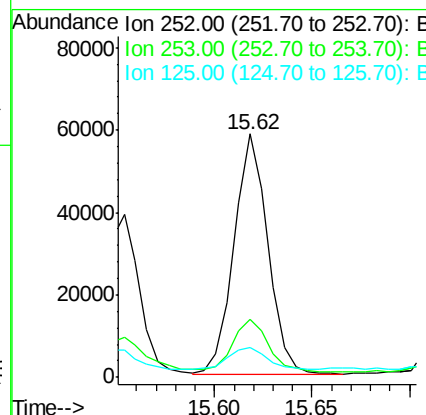
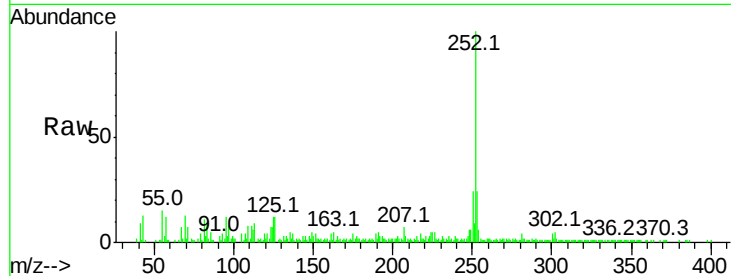
#89
Benzo(a)pyrene
Concen: 10.067 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Instrument :
BNA_F
ClientSampleId :
CL-02-061918-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	12.3	9.8	14.6

Manual Integrations
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6/22/2018 10:23:29 AM



#91
Benzo(g,h,i)perylene
Concen: 8.146 ng
RT: 17.74 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF106679.D
Acq: 21 Jun 2018 23:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	19.1	21.8	32.8#

