

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106680.D
 Acq On : 22 Jun 2018 00:02
 Operator : JU/SJ
 Sample : J3245-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 CL-02-061918-B

Manual Integrations
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Sohil
 6/22/2018 10:23:31 AM

Quant Time: Jun 22 04:10:30 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	59679	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	219231	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	100309	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	201148	20.00	ng	0.00
75) Chrysene-d12	14.15	240	176941	20.00	ng	0.00
86) Perylene-d12	15.69	264	124747	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	151851	43.09	ng	0.00
7) Phenol-d6	6.60	99	182560	41.48	ng	0.00
23) Nitrobenzene-d5	7.52	82	107831	27.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	47744	41.07	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	206953	24.41	ng	-0.01
78) Terphenyl-d14	13.08	244	265738	36.38	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	20584	2.736	ng	Qvalue # 97
70) Phenanthrene	11.52	178	69978	7.213	ng	98
74) Fluoranthene	12.71	202	131684	12.315	ng	96
77) Pyrene	12.94	202	149999	12.856	ng	99
80) Benzo(a)anthracene	14.14	228	61262	5.681	ng	95
82) Chrysene	14.17	228	65892m	6.642	ng	
85) Indeno(1,2,3-cd)pyrene	17.26	276	25845	3.070	ng	# 87
87) Benzo(b)fluoranthene	15.23	252	59521m	7.681	ng	
88) Benzo(k)fluoranthene	15.25	252	18078m	2.450	ng	
89) Benzo(a)pyrene	15.62	252	43067	6.252	ng	# 91
91) Benzo(g,h,i)perylene	17.74	276	31647	5.546	ng	# 89

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

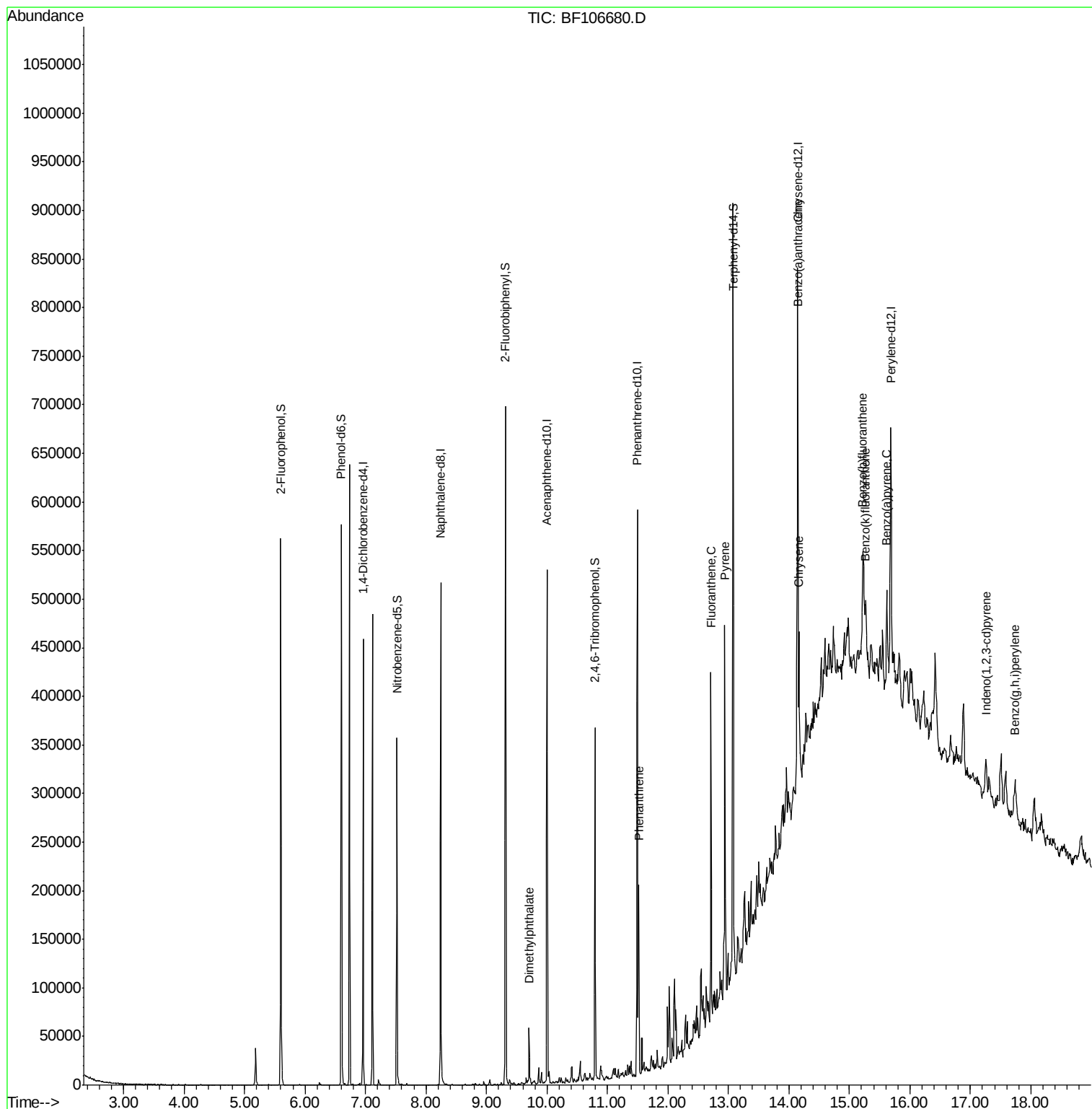
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106680.D
Acq On : 22 Jun 2018 00:02
Operator : JU/SJ
Sample : J3245-11 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

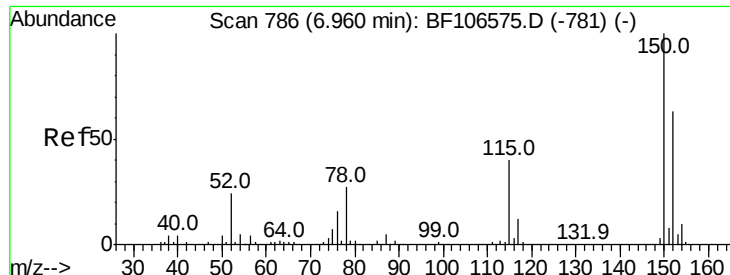
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

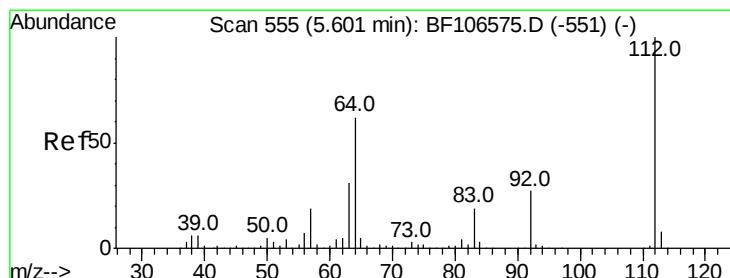
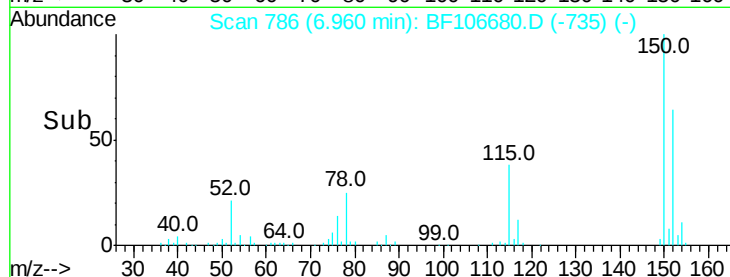
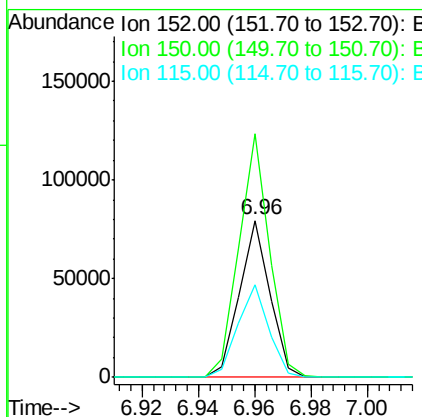
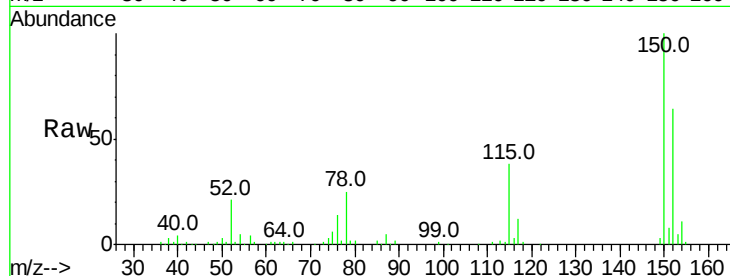
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	59.4	50.1	75.1

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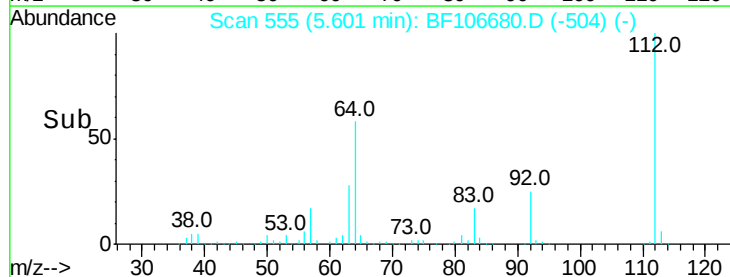
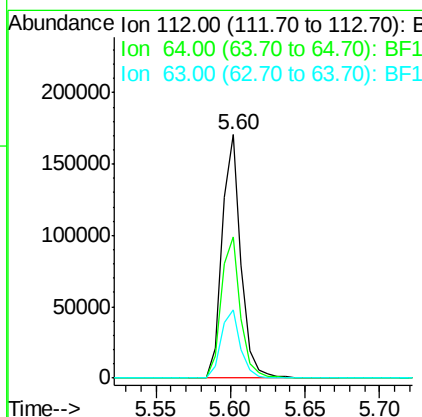
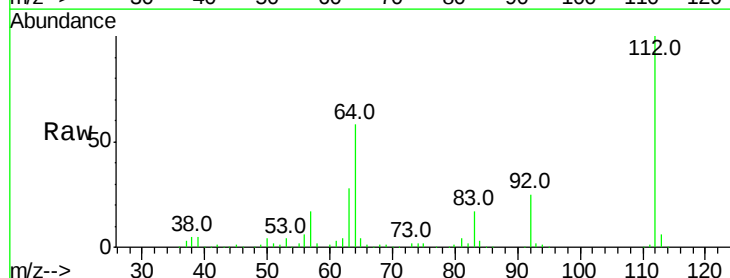
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#5

2-Fluorophenol
Concen: 43.086 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 41.479 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

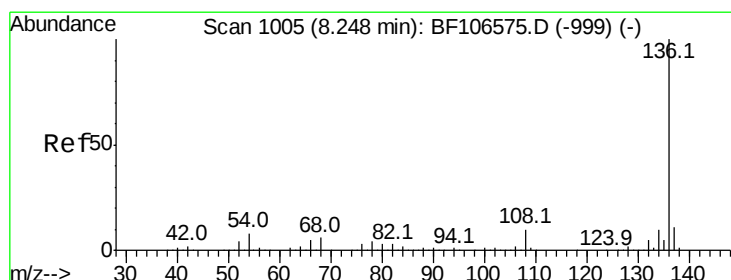
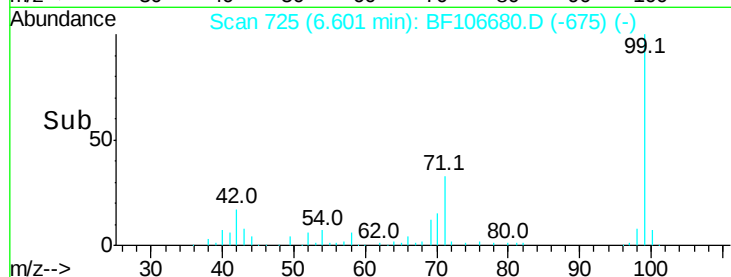
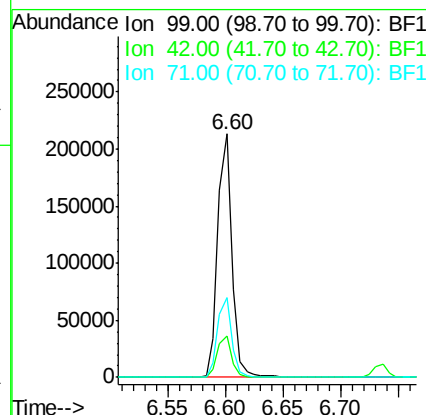
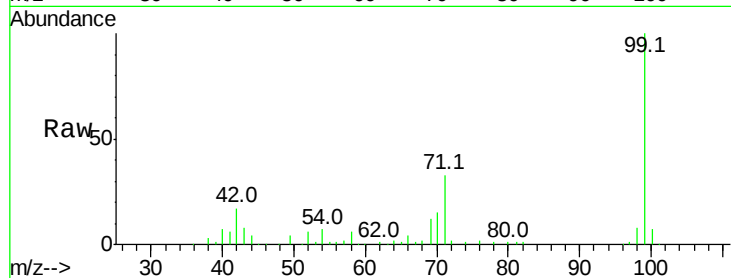
ClientSampleId :

CL-02-061918-B

Tot Ion:	99	Resp:	182560
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

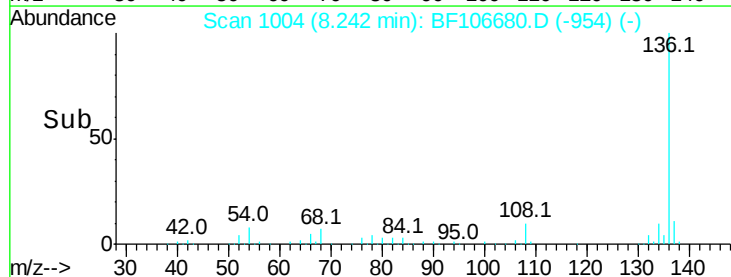
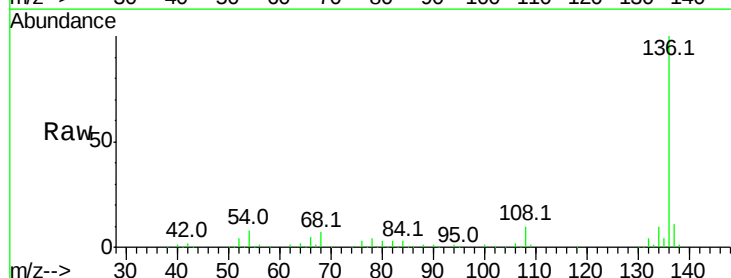
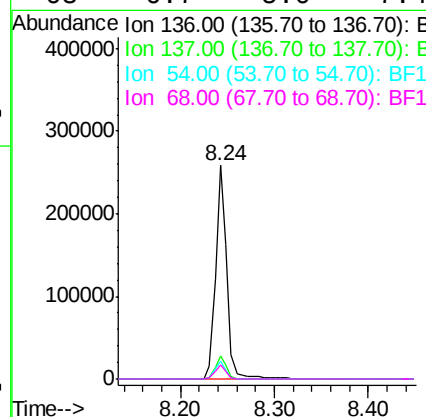
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion:	136	Resp:	219231
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.2	6.6	9.8
68	6.7	5.0	7.4





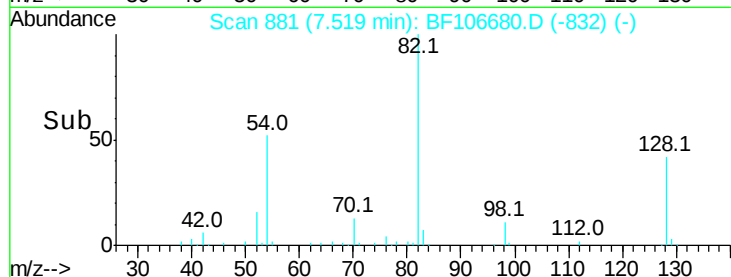
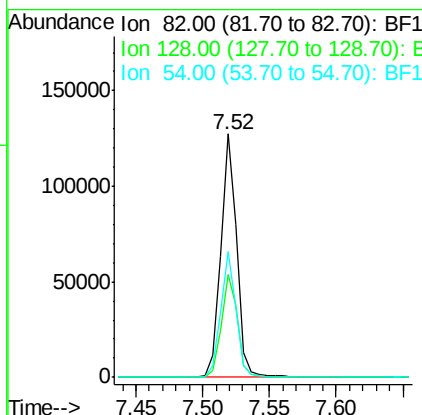
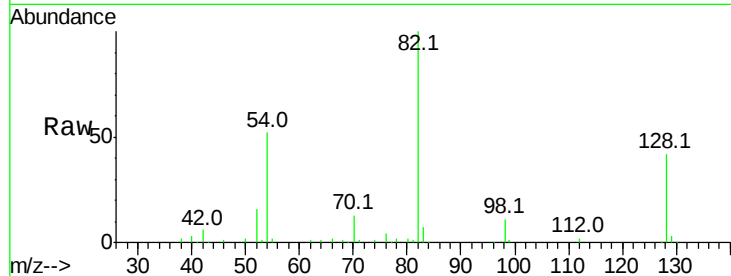
#23
Nitrobenzene-d5
Concen: 27.334 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	51.7	41.4	62.2

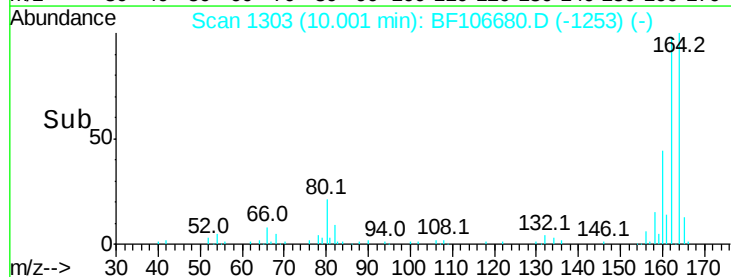
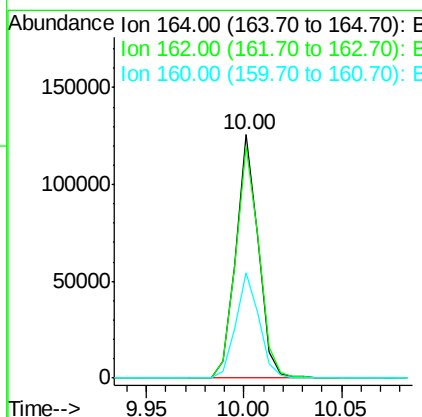
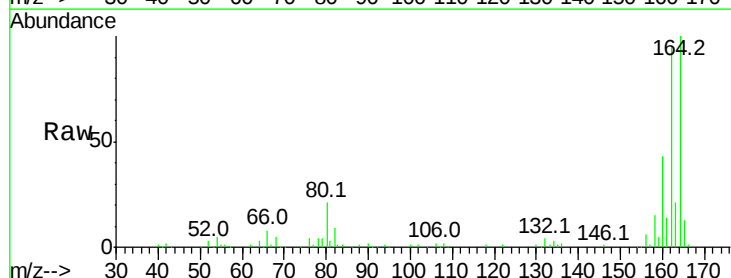
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.3	86.1	129.1
160	43.4	38.3	57.5





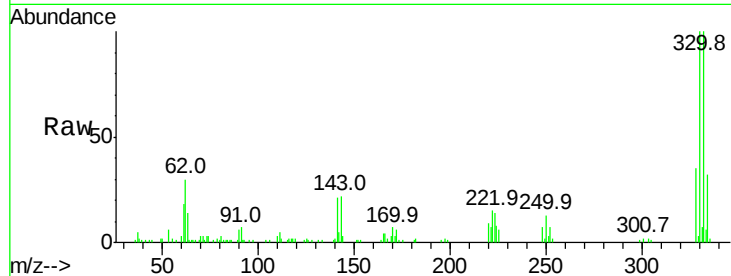
#41
 2,4,6-Tribromophenol
 Concen: 41.066 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

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

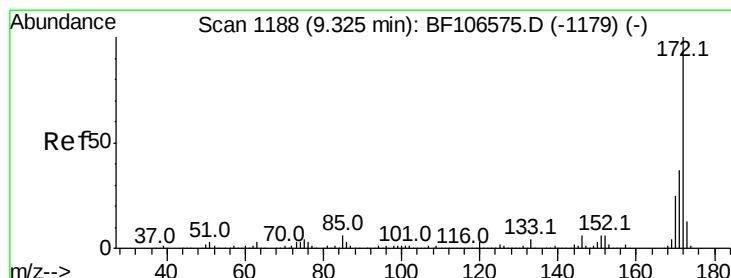
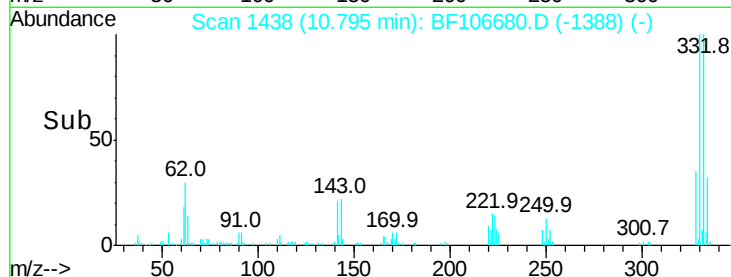
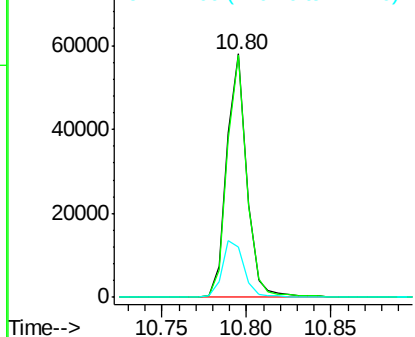
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	25.7	29.9	44.9#

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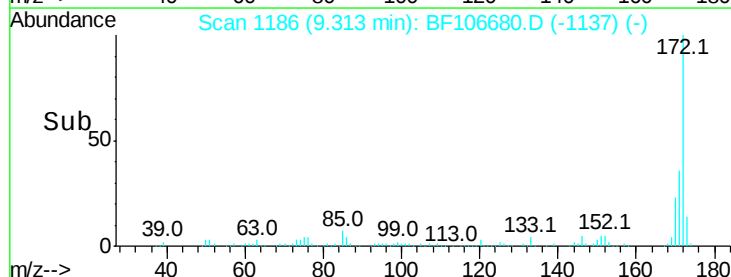
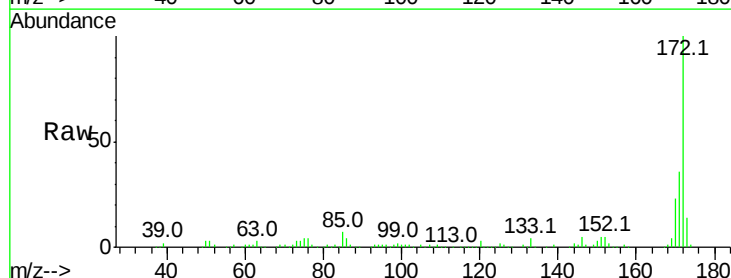
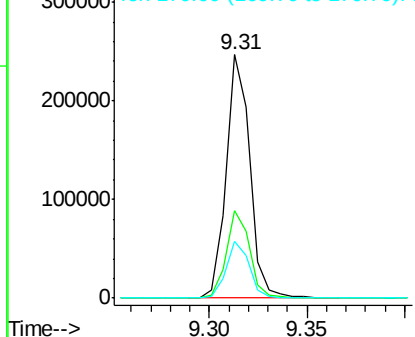
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 24.406 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.3	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: 2.736 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

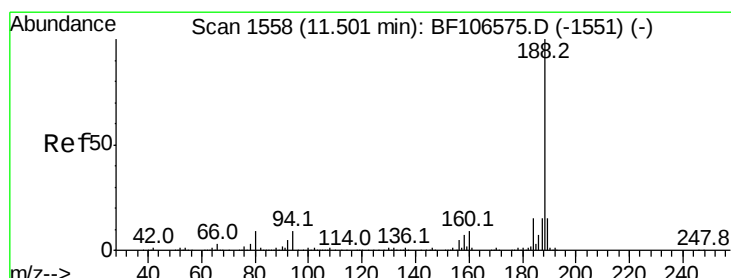
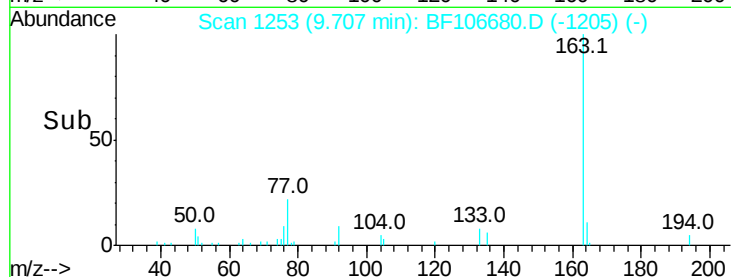
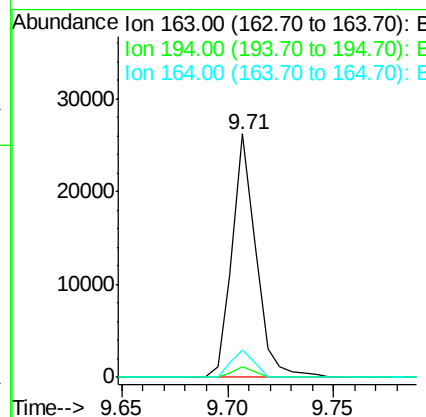
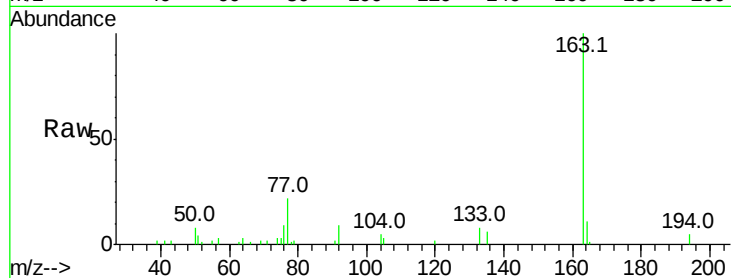
ClientSampled :

CL-02-061918-B

Tot Ion:	163	Resp:	20584
Ion Ratio	Lower	Upper	
163	100		
194	4.5	2.7	4.1#
164	11.1	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

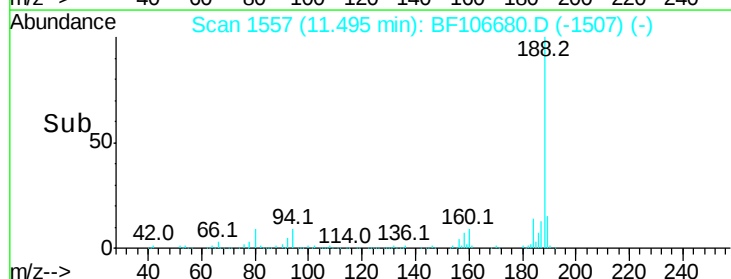
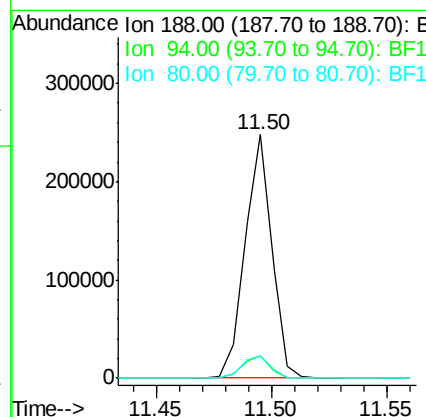
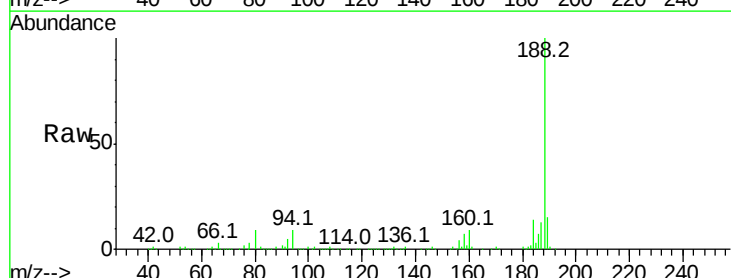
RT: 11.50 min Scan# 1557

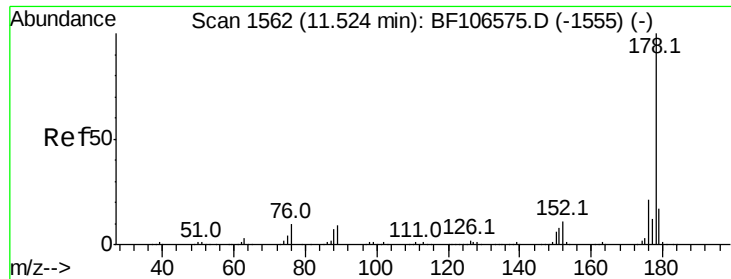
Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion:	188	Resp:	201148
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	9.3	9.2	13.8





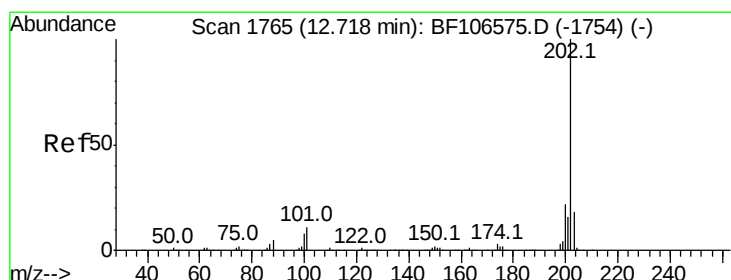
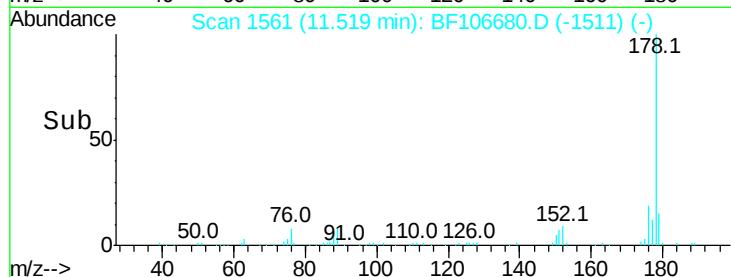
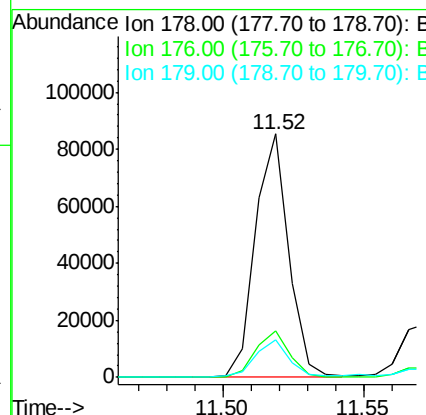
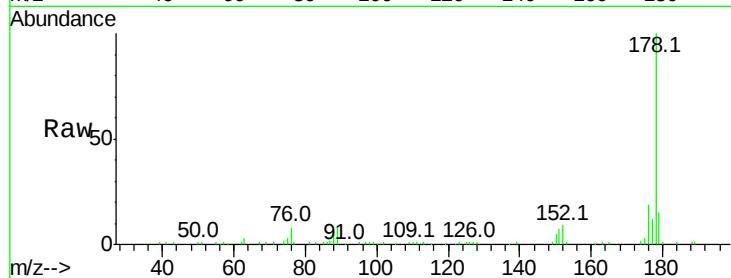
#70
Phenanthrene
Concen: 7.213 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6

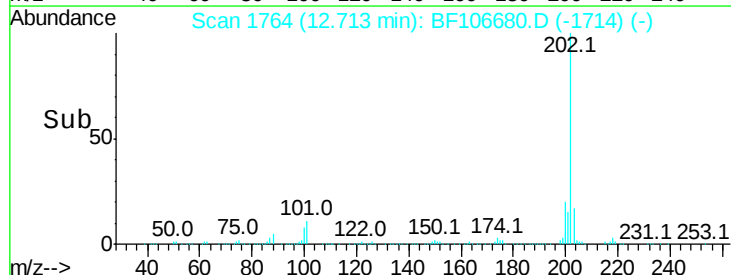
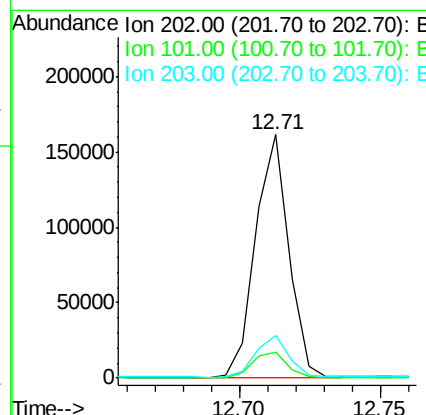
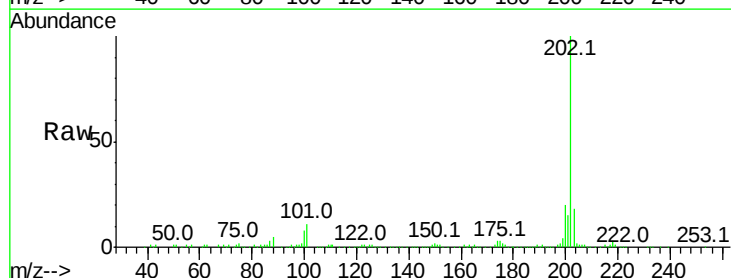
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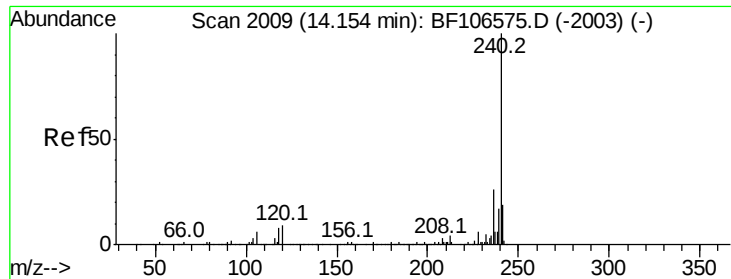
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#74
Fluoranthene
Concen: 12.315 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

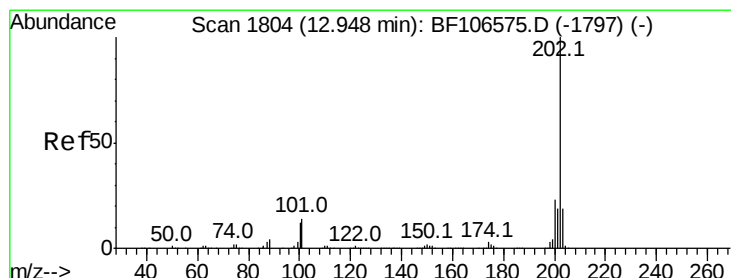
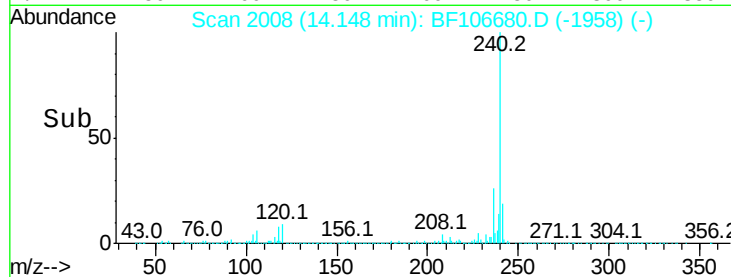
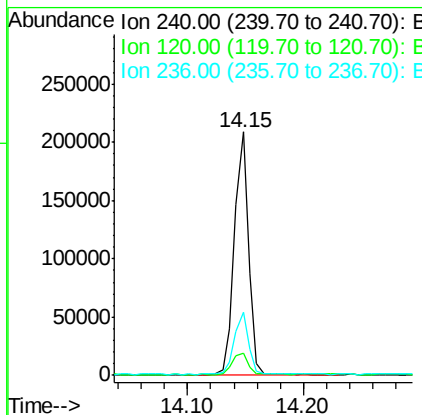
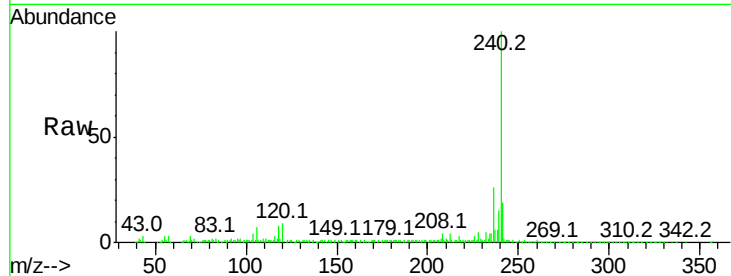
ClientSampleId :

CL-02-061918-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	176941		
120	9.1	9.5	14.3#	
236	26.0	20.7	31.1	

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#77

Pyrene

Concen: 12.856 ng

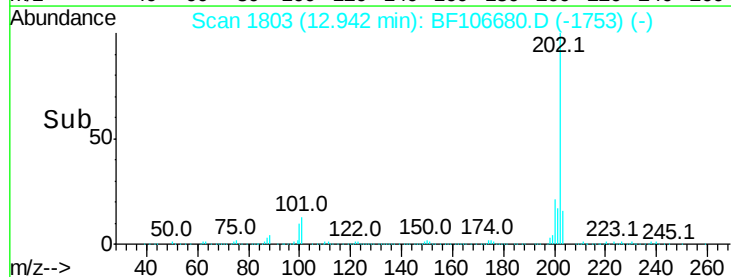
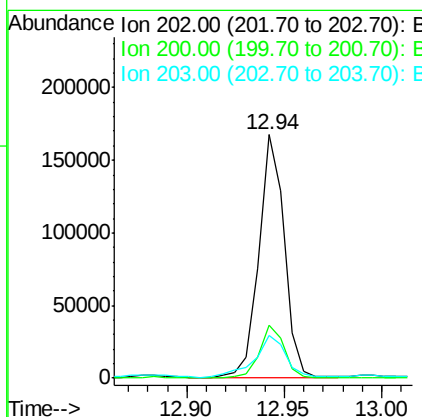
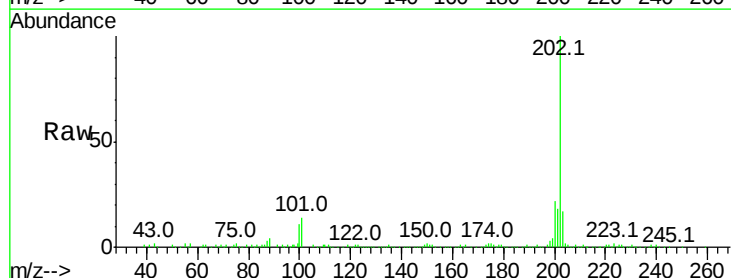
RT: 12.94 min Scan# 1803

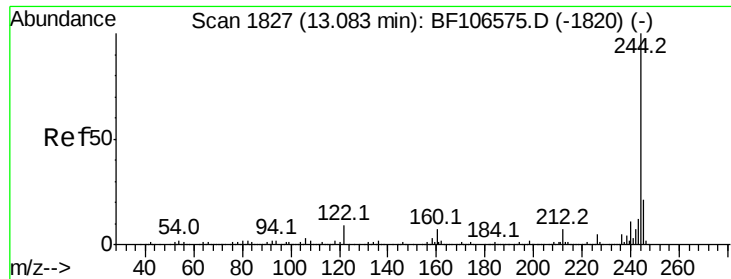
Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	149999		
200	21.6	17.4	26.2	
203	17.4	14.3	21.5	





#78

Terphenyl-d14

Concen: 36.379 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

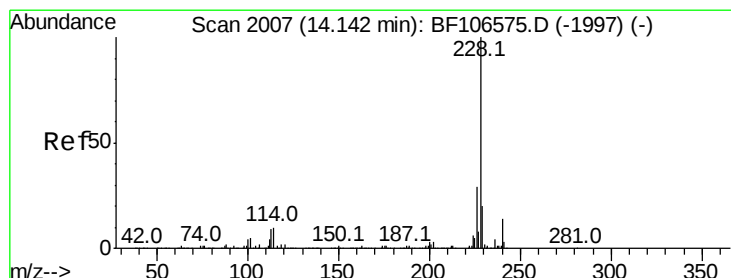
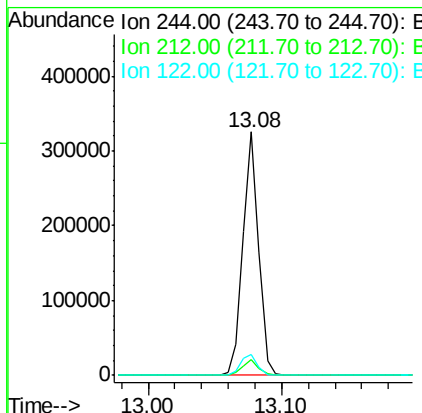
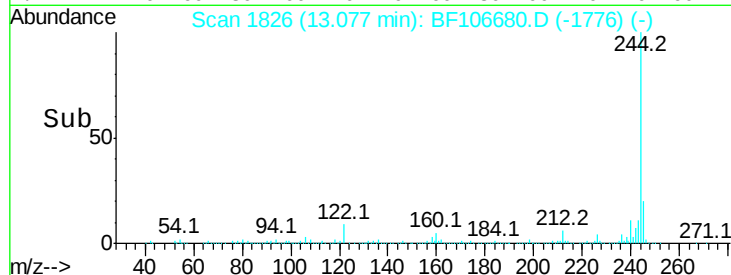
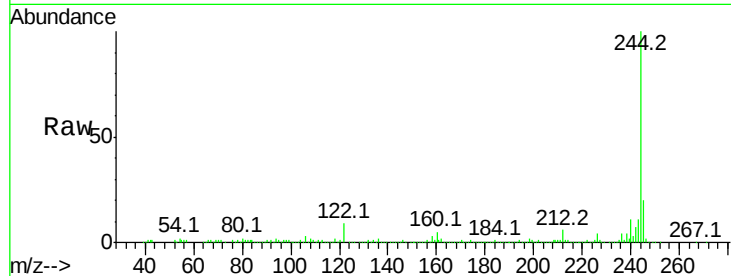
ClientSampleId :

CL-02-061918-B

Tot Ion:	244	Resp:	265738
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	8.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 5.681 ng

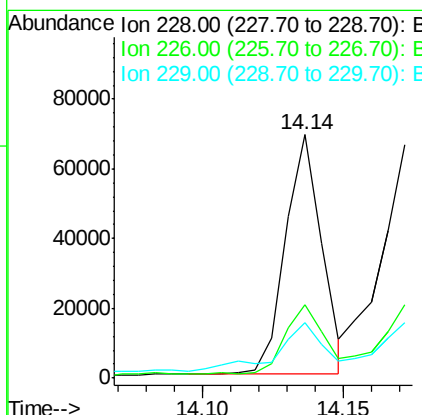
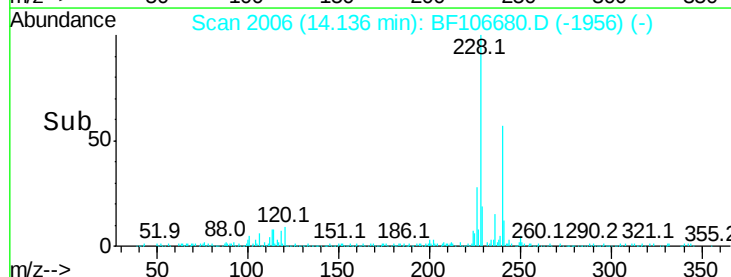
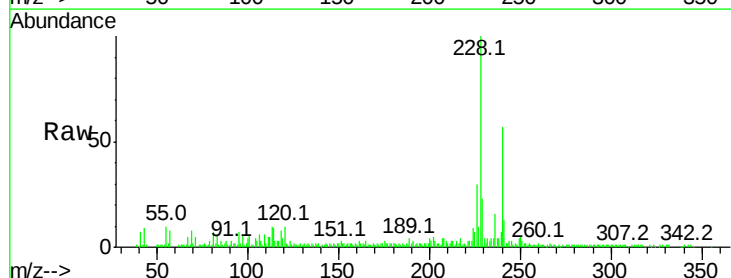
RT: 14.14 min Scan# 2006

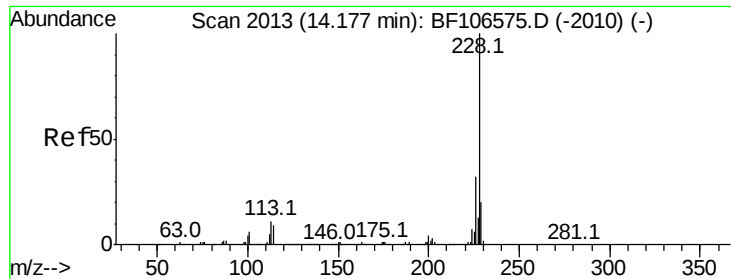
Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion:	228	Resp:	61262
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	22.7	15.8	23.6





#82

Chrysene

Concen: 6.642 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

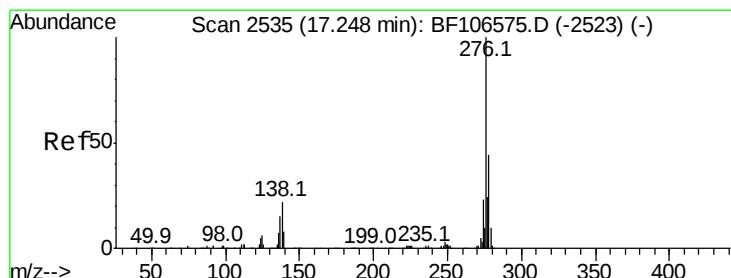
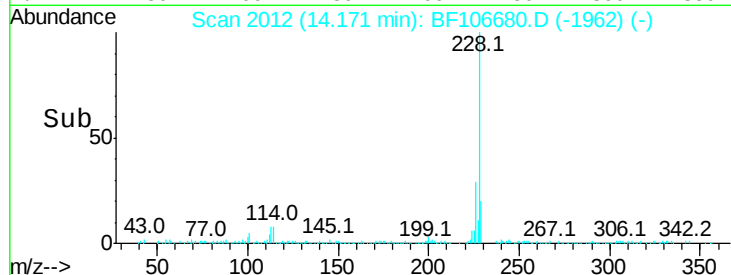
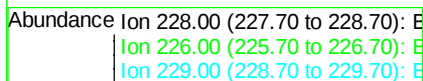
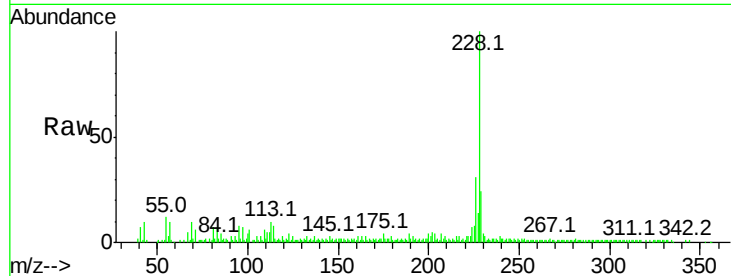
ClientSampleId :

CL-02-061918-B

Tot Ion:	228	Resp:	65892
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	23.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.070 ng

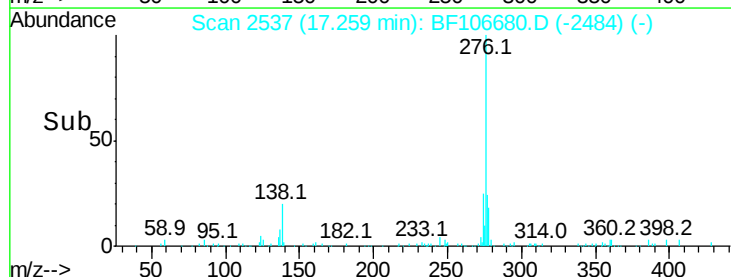
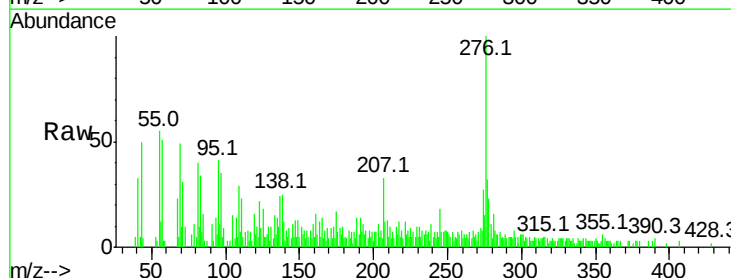
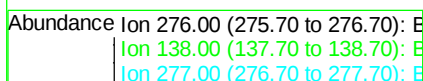
RT: 17.26 min Scan# 2537

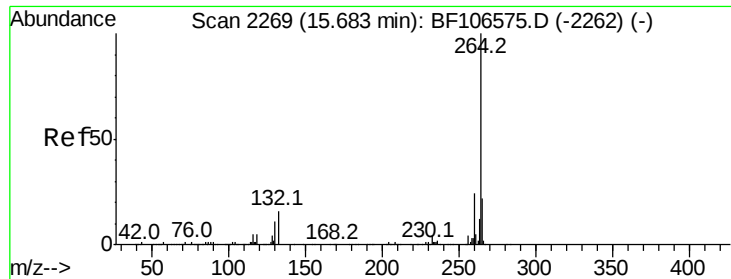
Delta R.T. 0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion:	276	Resp:	25845
Ion Ratio	Lower	Upper	
276	100		
138	20.4	25.0	37.6#
277	27.4	20.1	30.1





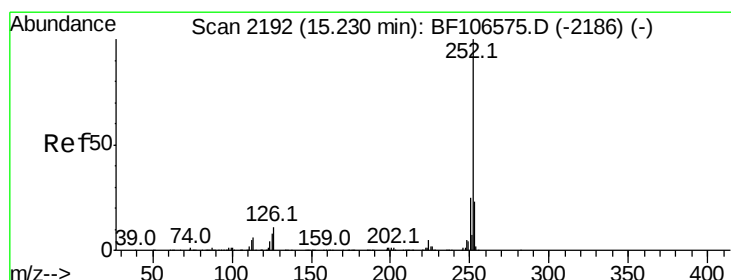
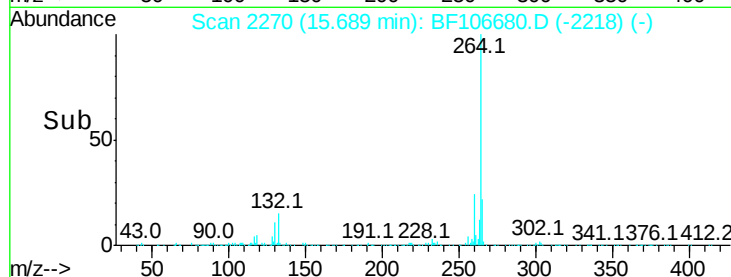
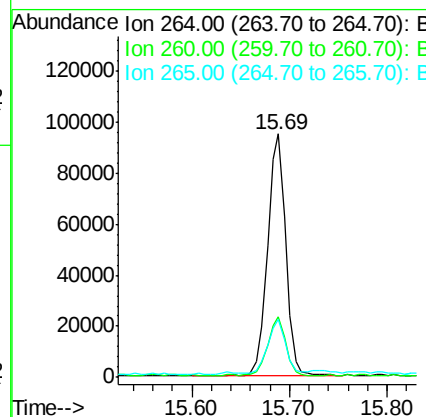
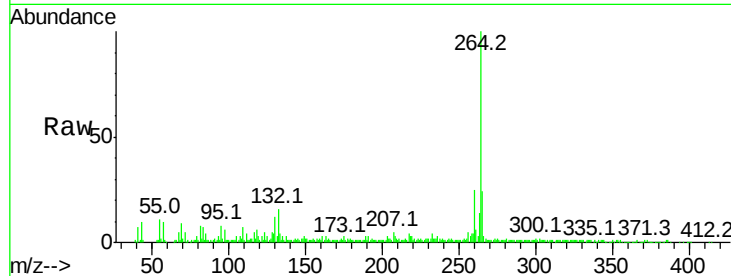
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.7	17.5	26.3

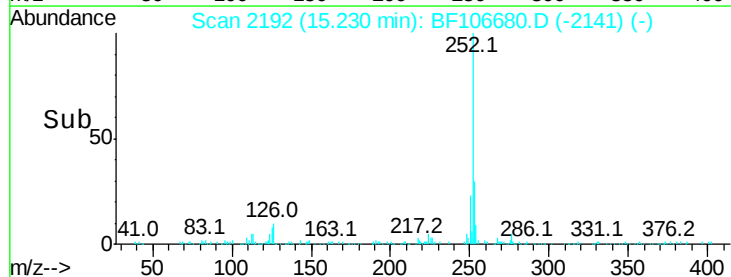
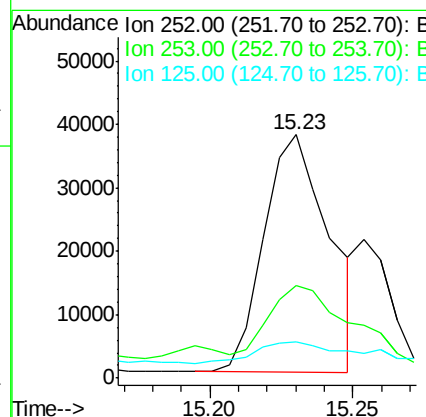
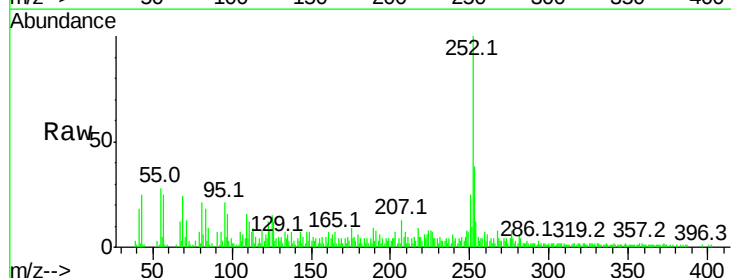
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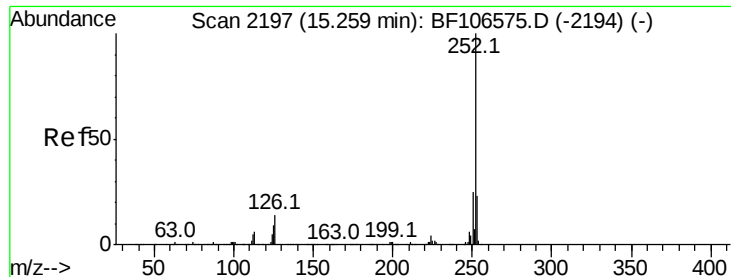
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#87
Benzo(b)fluoranthene
Concen: 7.681 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF106680.D
Acq: 22 Jun 2018 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.2	17.0	25.6#
125	15.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.450 ng/mL

RT: 15.25 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Instrument :

BNA_F

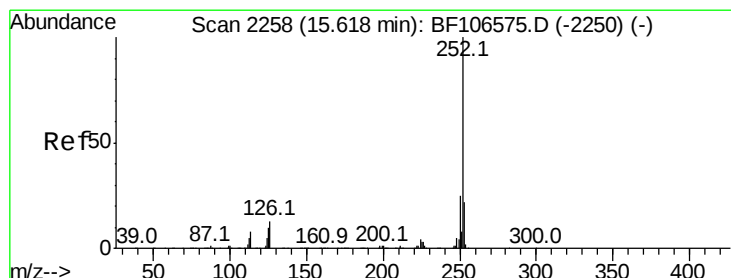
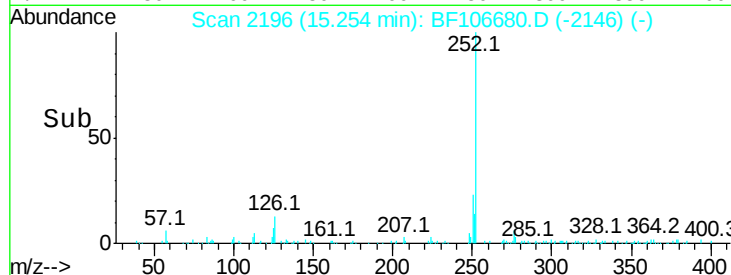
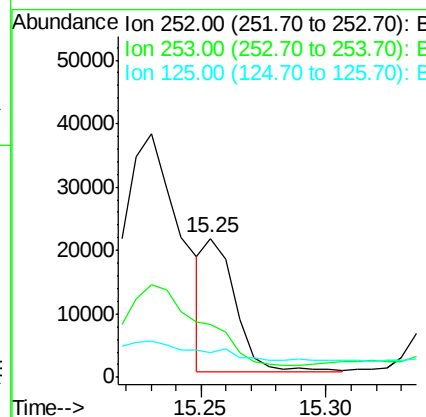
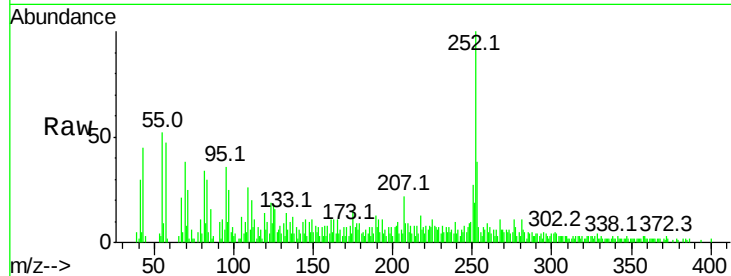
ClientSampleId :

CL-02-061918-B

Tot Ion:	252	Resp:	18078
Ion Ratio	Lower	Upper	
252	100		
253	38.3	17.9	26.9#
125	18.1	10.2	15.2#

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#89

Benzo(a)pyrene

Concen: 6.252 ng/mL

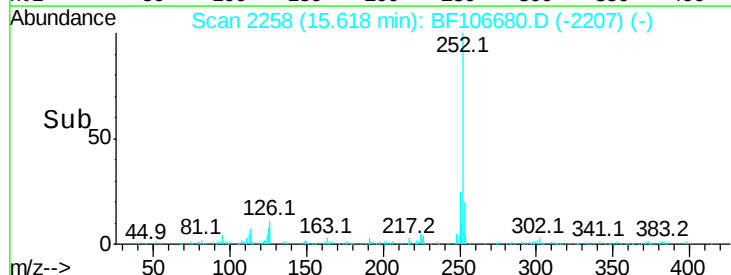
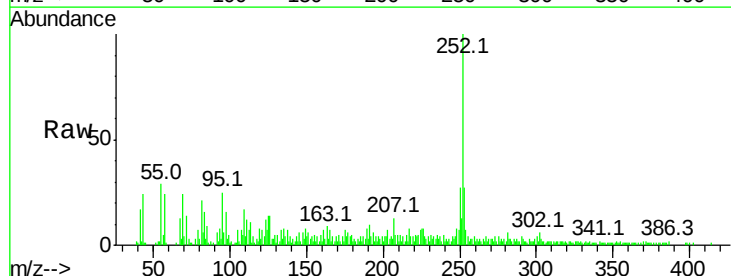
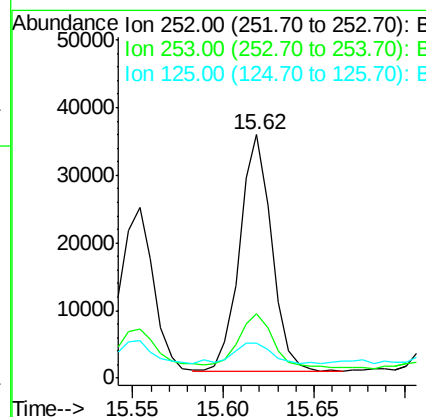
RT: 15.62 min Scan# 2258

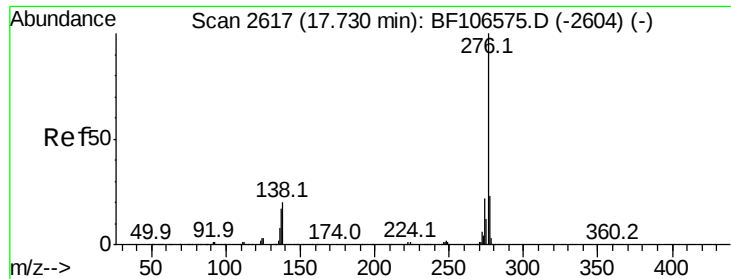
Delta R.T. 0.00 min

Lab File: BF106680.D

Acq: 22 Jun 2018 00:02

Tgt Ion:	252	Resp:	43067
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.1	25.7#
125	14.4	9.8	14.6





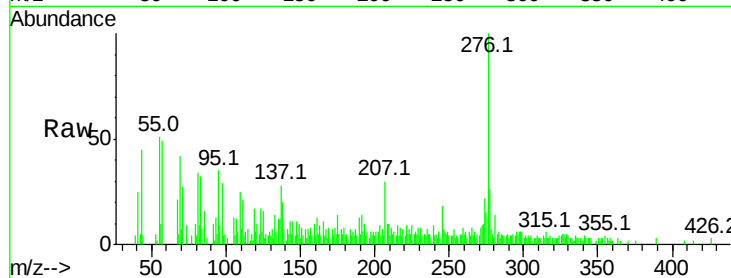
#91
 Benzo(a,h,i)perylene
 Concen: 5.546 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF106680.D
 Acq: 22 Jun 2018 00:02

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	19.6	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

