

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106674.D
 Acq On : 21 Jun 2018 21:22
 Operator : JU/SJ
 Sample : J3245-15 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 6/22/2018 10:23:16 AM

Quant Time: Jun 22 03:37:36 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	61530	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	236611	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	112151	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	207444	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	196101	20.00	ng	0.00
86) Perylene-d12	15.69	264	148349	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	160649	44.21	ng	0.00
7) Phenol-d6	6.60	99	197636	43.55	ng	-0.01
23) Nitrobenzene-d5	7.52	82	122669	28.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	52441	40.34	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	240560	26.08	ng	-0.01
78) Terphenyl-d14	13.08	244	273515	33.79	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	23067	2.742	ng	99
70) Phenanthrene	11.51	178	62645	6.261	ng	98
74) Fluoranthene	12.71	202	154623	14.021	ng	97
77) Pyrene	12.94	202	175593	13.579	ng	99
80) Benzo(a)anthracene	14.14	228	85117	7.122	ng	95
82) Chrysene	14.17	228	90815	8.259	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	38674	4.145	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	100535m	10.910	ng	
88) Benzo(k)fluoranthene	15.26	252	26646m	3.036	ng	
89) Benzo(a)pyrene	15.62	252	66715	8.144	ng	# 93
91) Benzo(g,h,i)perylene	17.74	276	46174	6.804	ng	# 90

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

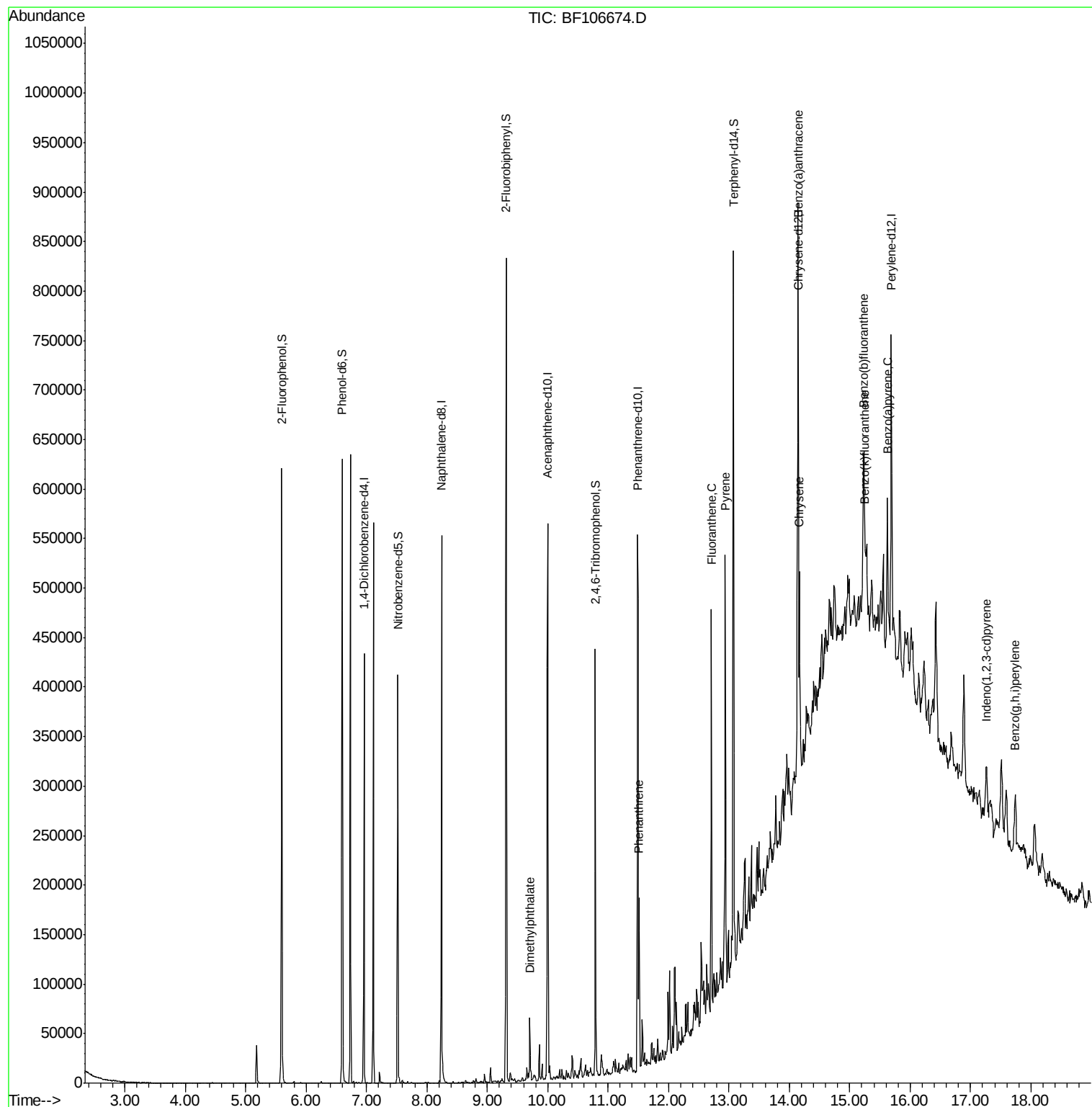
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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#1

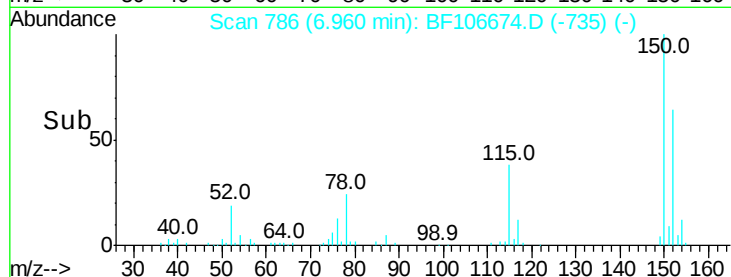
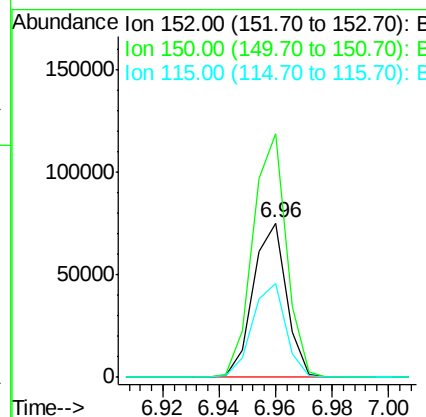
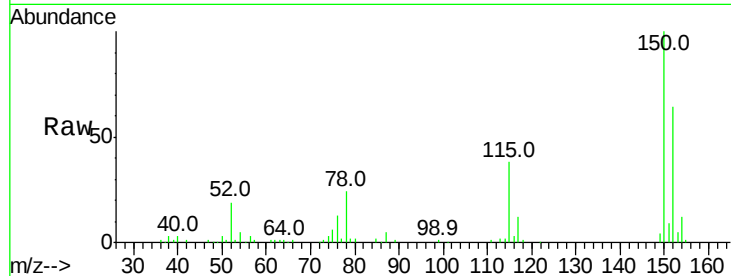
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	60.5	50.1	75.1

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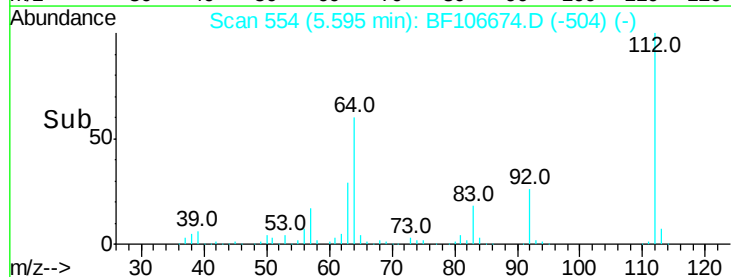
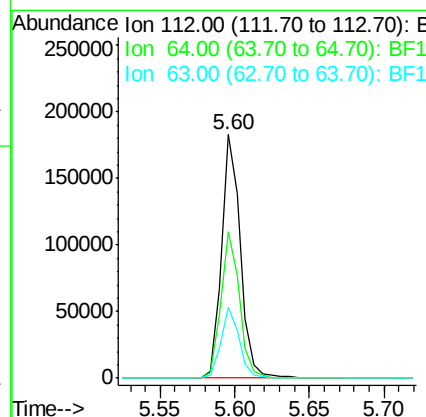
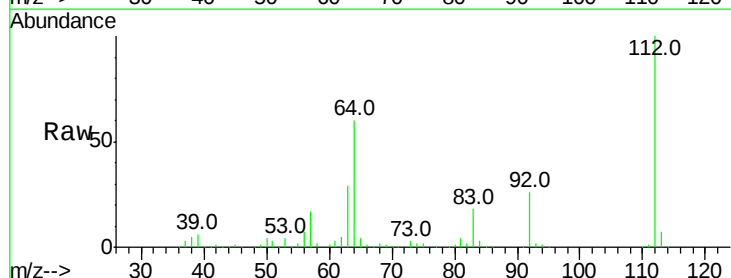
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#5

2-Fluorophenol
Concen: 44.211 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 43.553 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

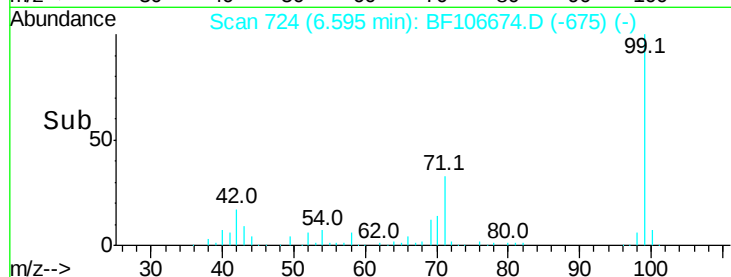
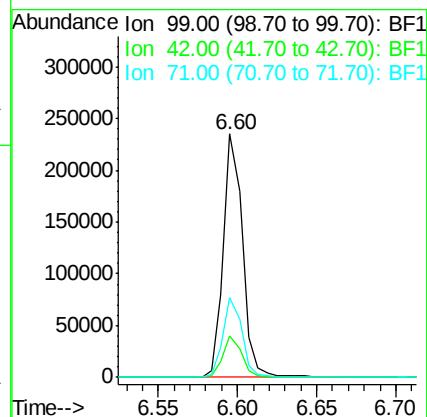
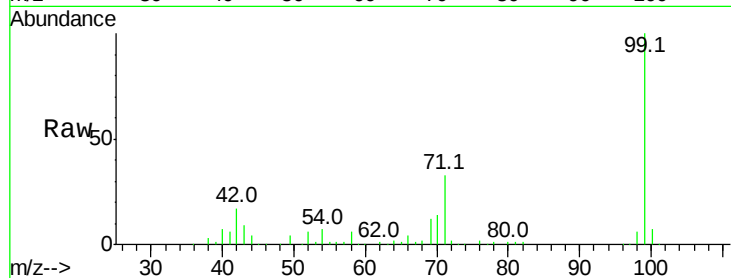
ClientSampleId :

CL-02-061918-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		197636		
42	16.8	14.5	21.7		
71	32.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

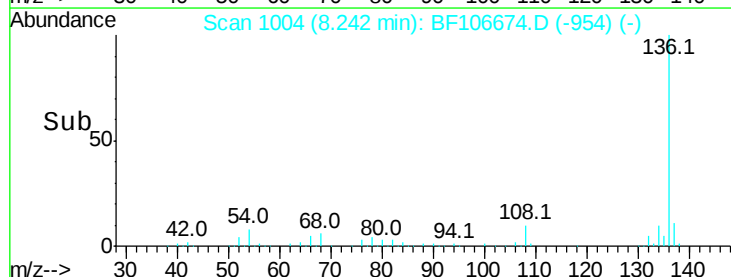
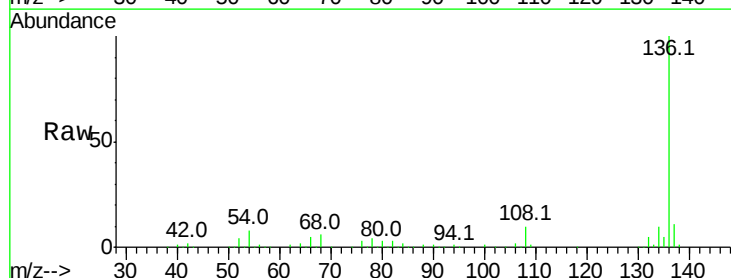
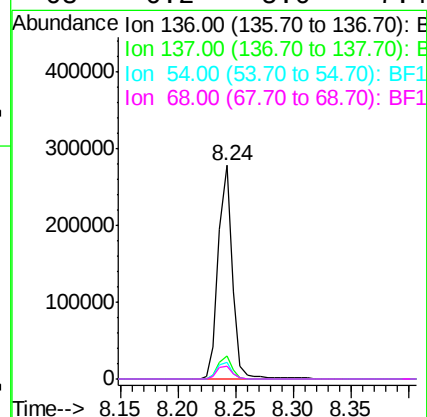
RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		236611		
137	11.1	8.9	13.3		
54	8.0	6.6	9.8		
68	6.2	5.0	7.4		





#23

Nitrobenzene-d5

Concen: 28.812 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

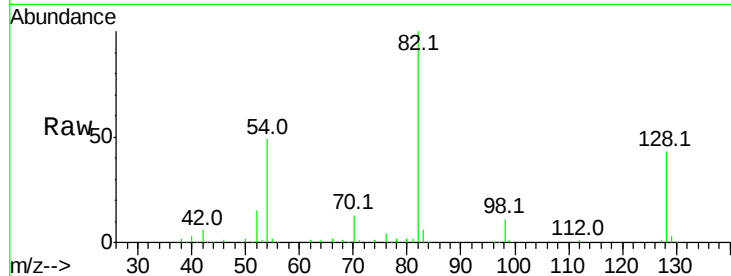
ClientSampleId :

CL-02-061918-D

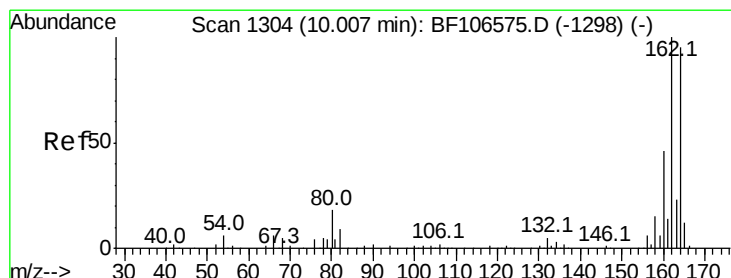
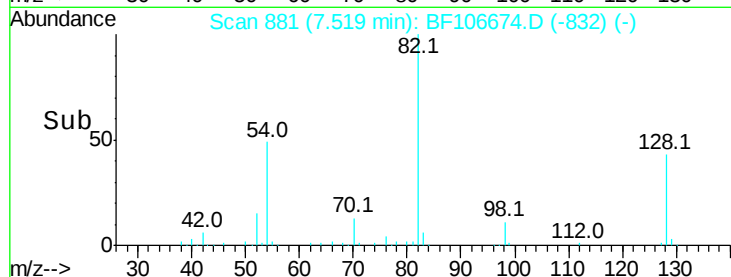
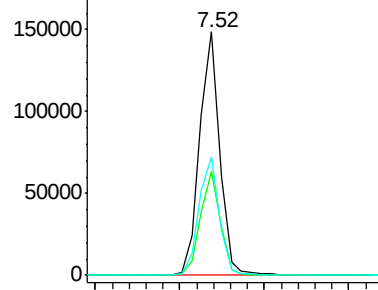
Tot Ion	82	Resp	122669
Ion Ratio	Lower	Upper	
82	100		
128	42.8	36.1	54.1
54	48.6	41.4	62.2

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



#38

Acenaphthene-d10

Concen: 20.000 ng

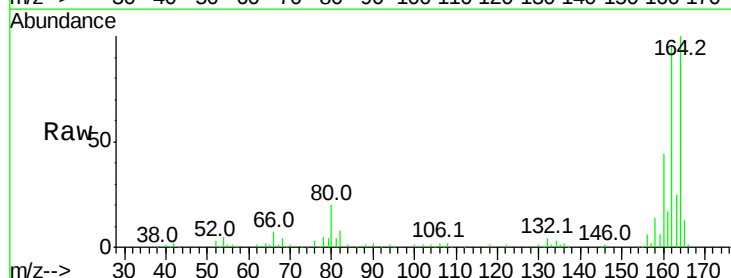
RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

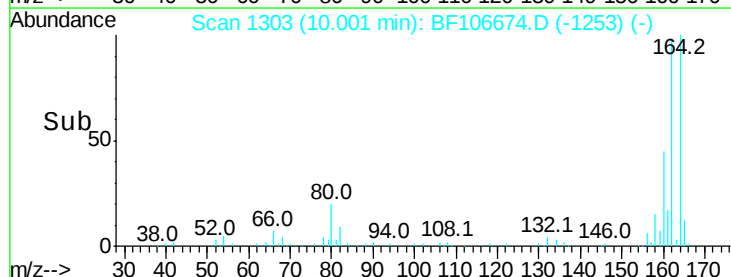
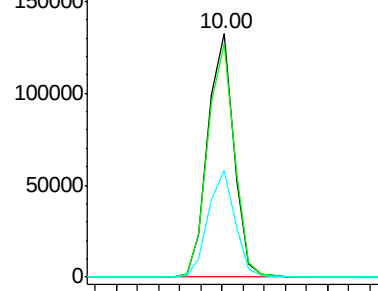
Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Tgt Ion	164	Resp	112151
Ion Ratio	Lower	Upper	
164	100		
162	95.9	86.1	129.1
160	44.0	38.3	57.5



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





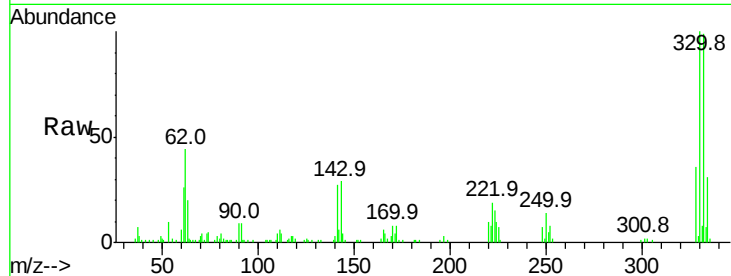
#41
 2,4,6-Tribromophenol
 Concen: 40.344 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

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

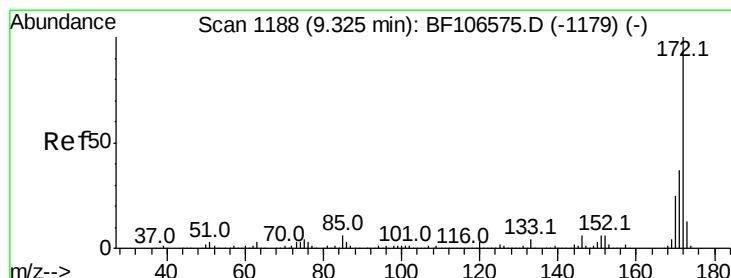
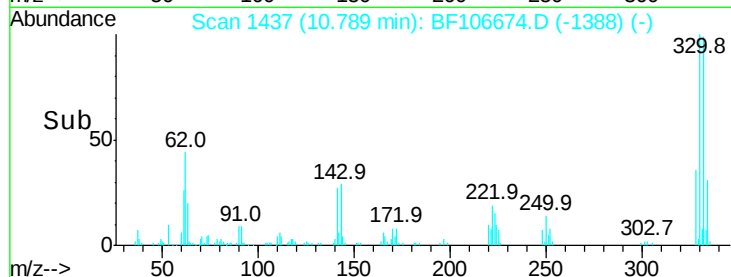
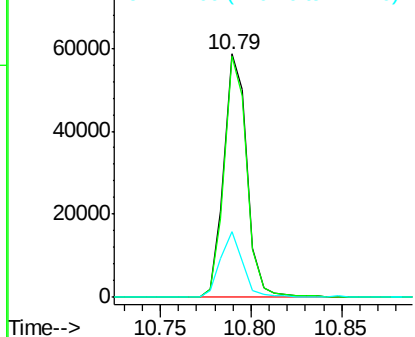
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	26.0	29.9	44.9#

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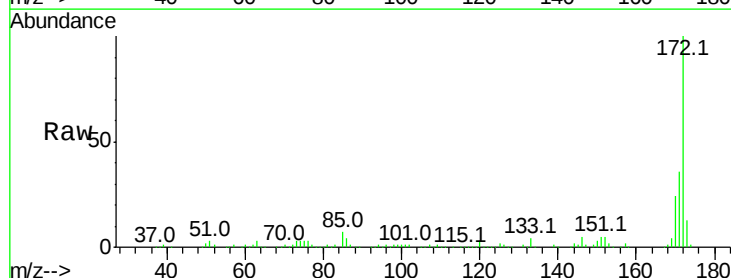


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

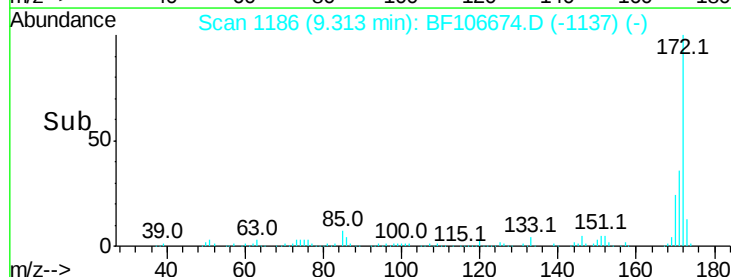
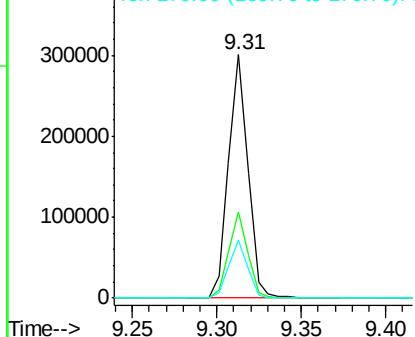


#44
 2-Fluorobiphenyl
 Concen: 26.081 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	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: 2.742 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

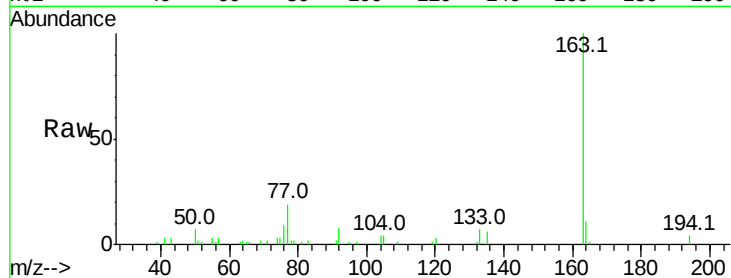
ClientSampleId :

CL-02-061918-D

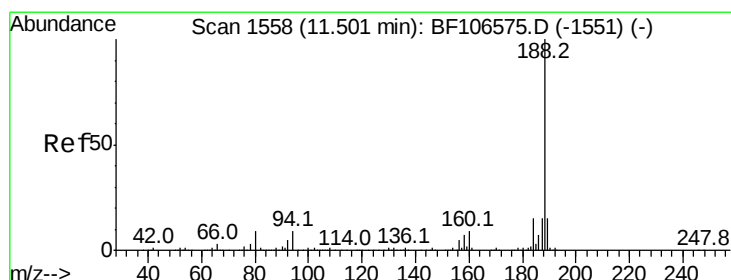
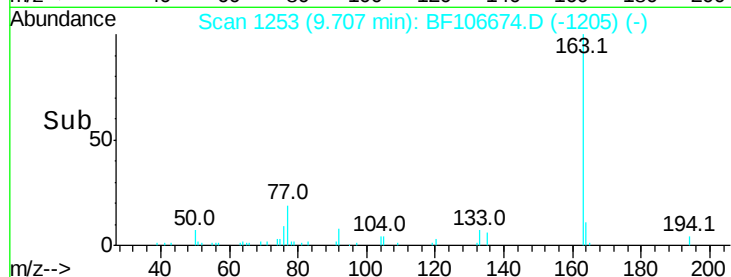
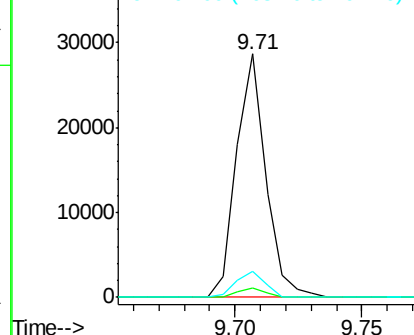
Tot Ion:	163	Resp:	23067
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.5	8.2	12.2

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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



#63

Phenanthrene-d10

Concen: 20.000 ng

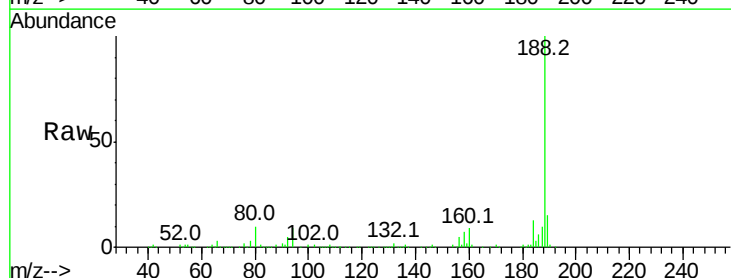
RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

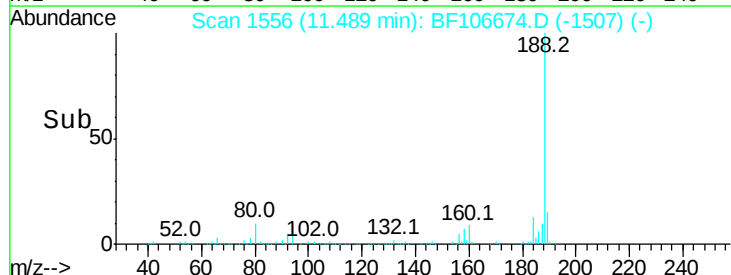
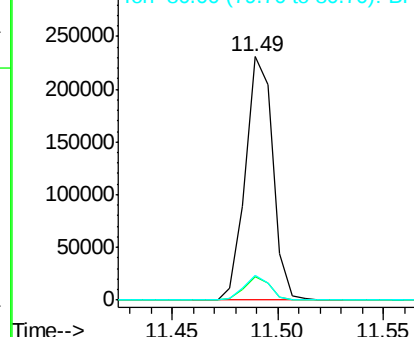
Lab File: BF106674.D

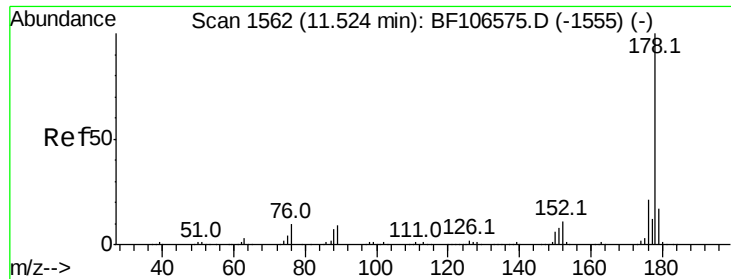
Acq: 21 Jun 2018 21:22

Tgt Ion:	188	Resp:	207444
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	10.2	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





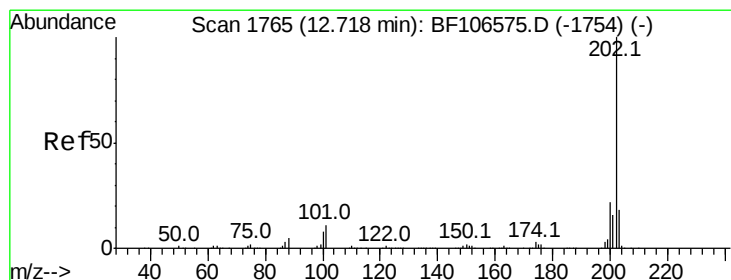
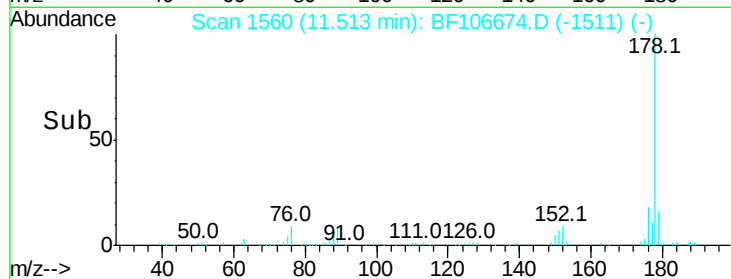
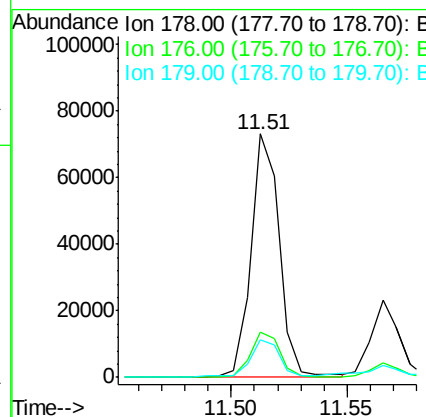
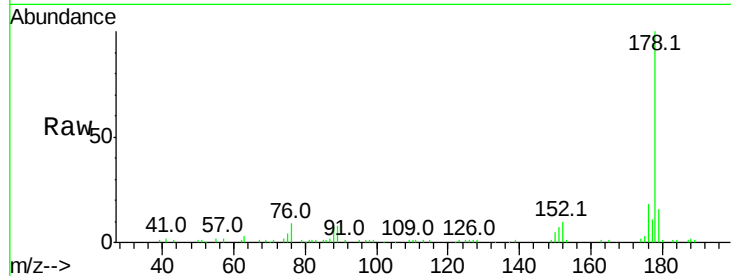
#70
Phenanthrene
Concen: 6.261 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.6	13.0	19.6

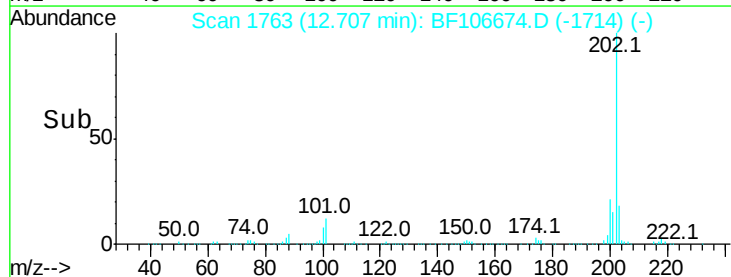
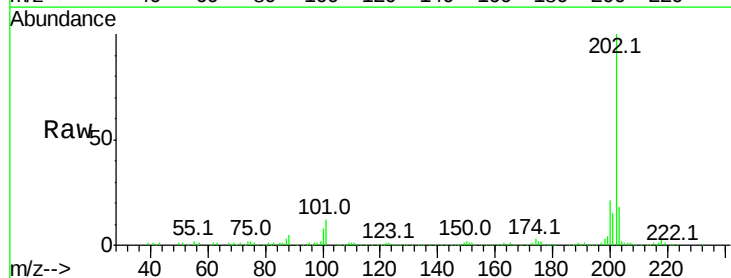
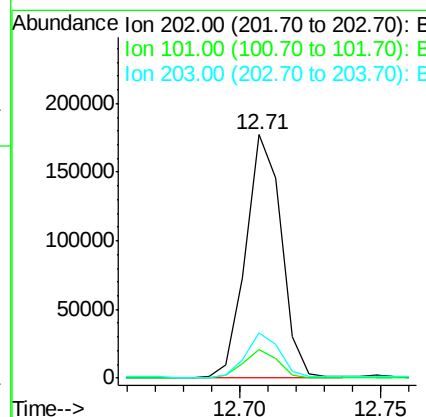
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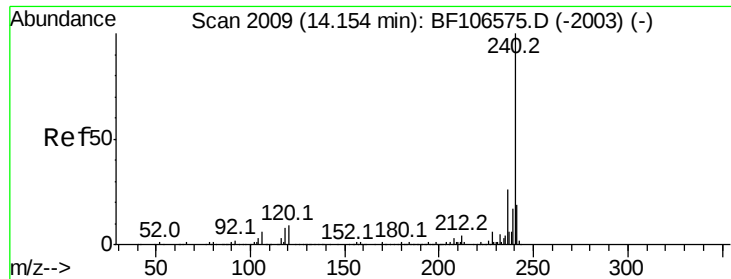
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#74
Fluoranthene
Concen: 14.021 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	18.4	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: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

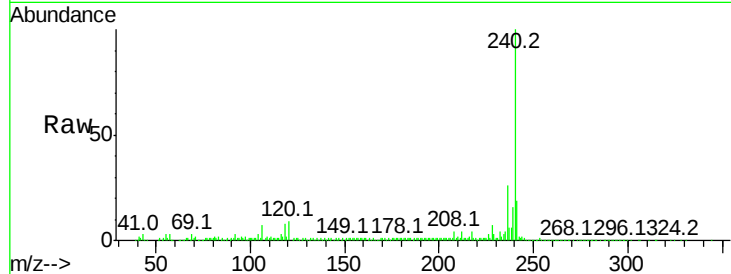
ClientSampleId :

CL-02-061918-D

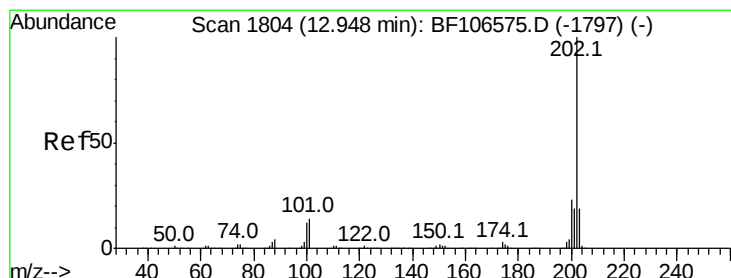
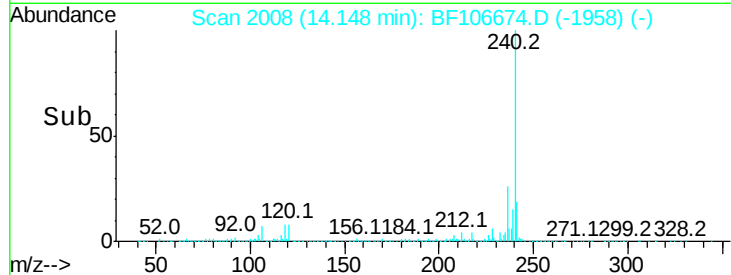
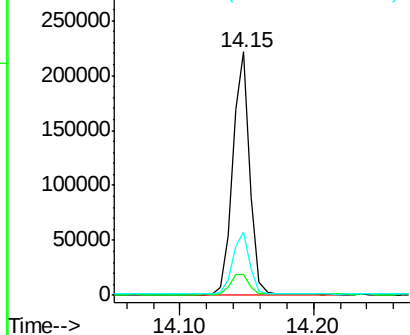
Tot Ion:	240	Resp:	196101
Ion Ratio	Lower	Upper	
240	100		
120	8.7	9.5	14.3#
236	25.9	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.579 ng

RT: 12.94 min Scan# 1803

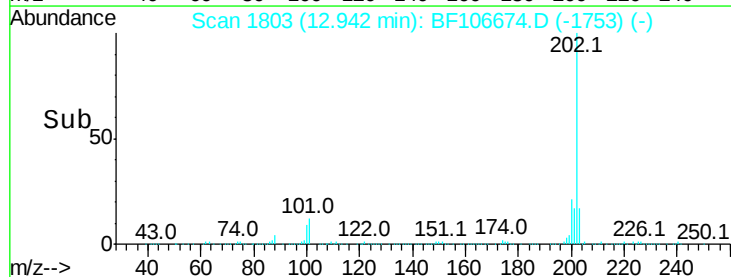
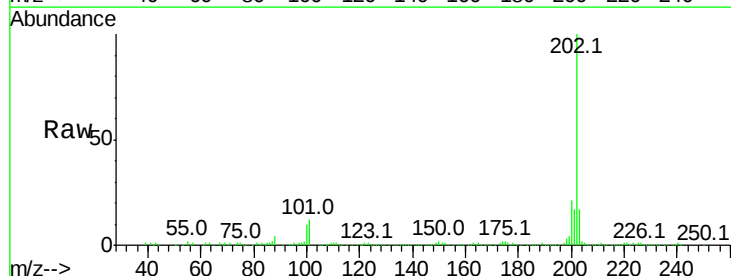
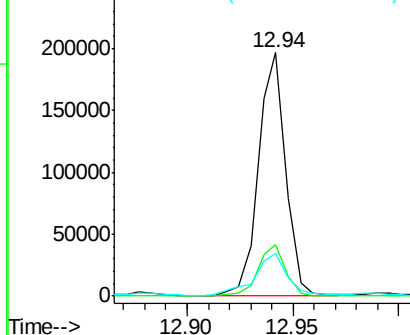
Delta R.T. -0.01 min

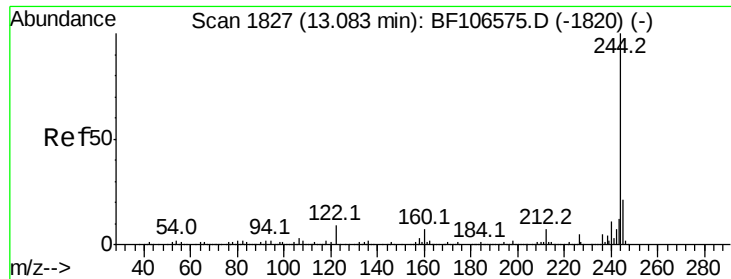
Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Tgt Ion:	202	Resp:	175593
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.785 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

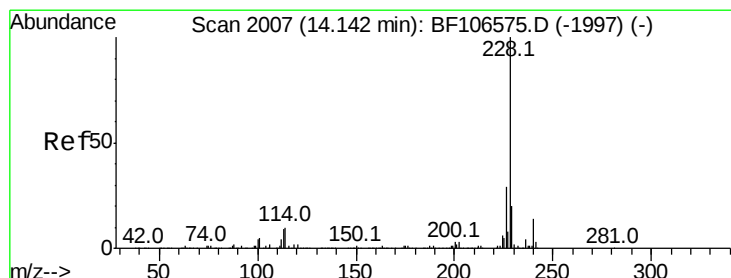
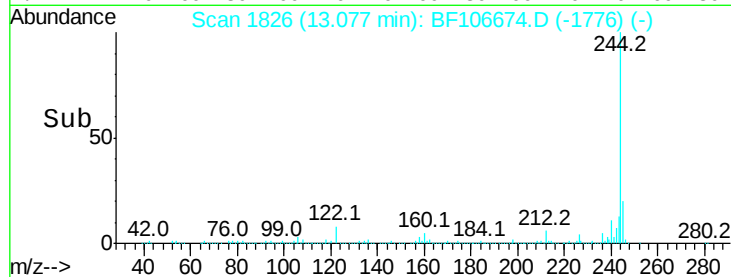
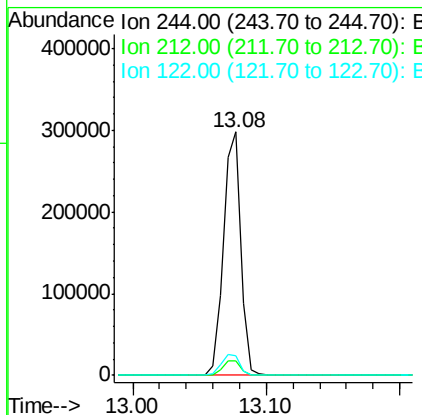
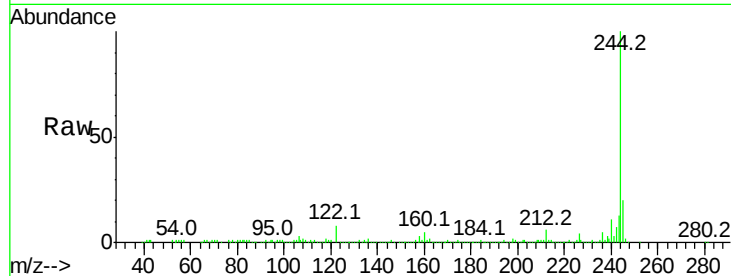
ClientSampleId :

CL-02-061918-D

Tot Ion:	244	Resp:	273515
Ion Ratio		Lower	Upper
244	100		
212	6.2	5.4	8.0
122	8.1	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 7.122 ng

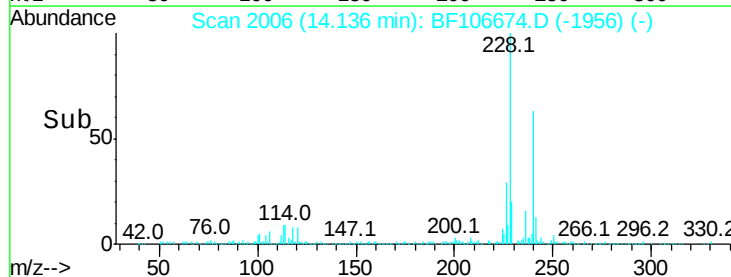
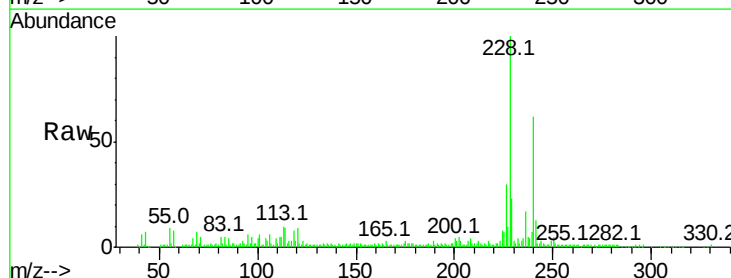
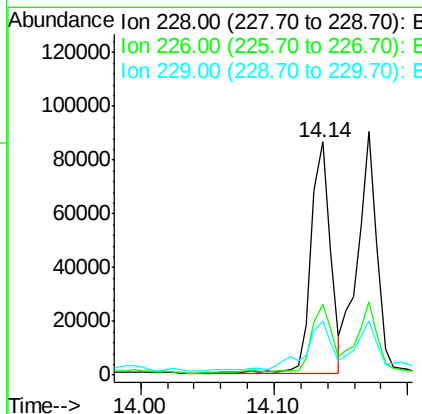
RT: 14.14 min Scan# 2006

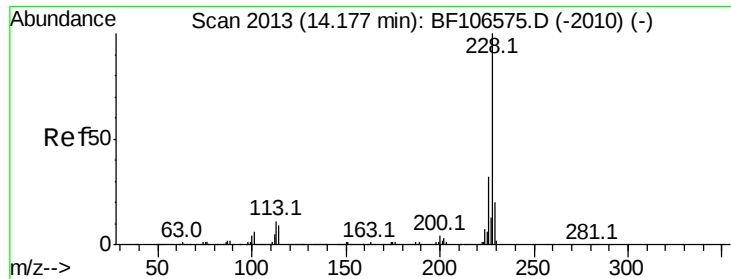
Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Tgt Ion:	228	Resp:	85117
Ion Ratio		Lower	Upper
228	100		
226	30.3	22.6	33.8
229	23.2	15.8	23.6





#82

Chrysene

Concen: 8.259 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Instrument :

BNA_F

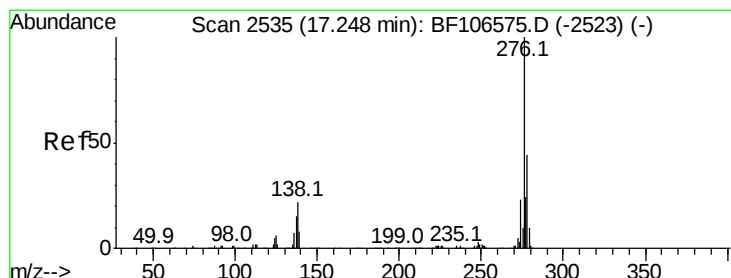
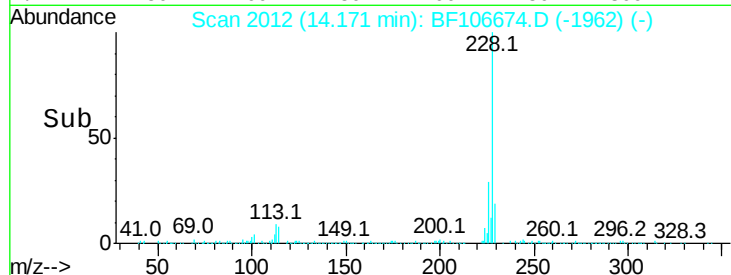
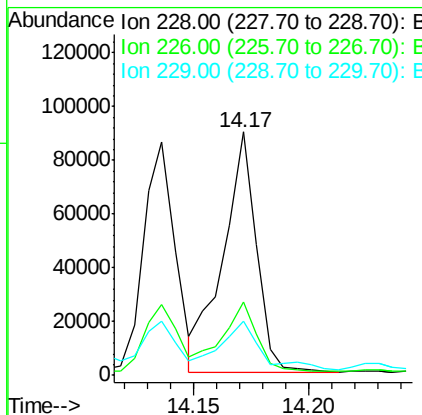
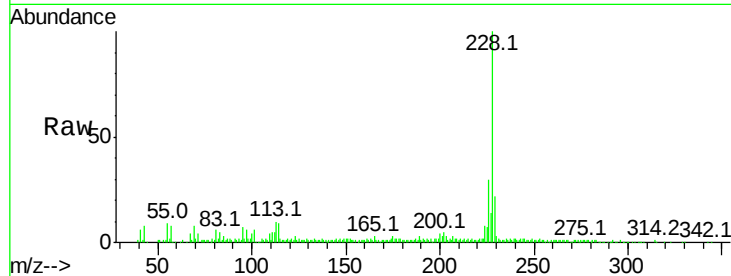
ClientSampleId :

CL-02-061918-D

Tot Ion:	228	Resp:	90815
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.4	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.145 ng

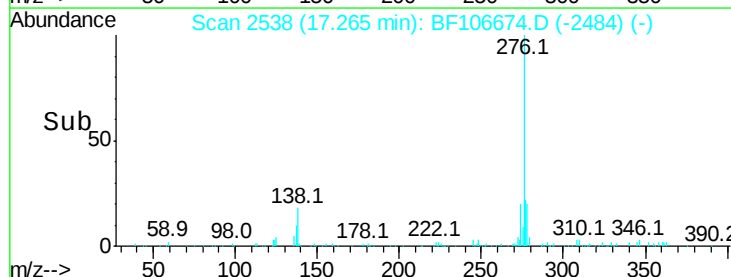
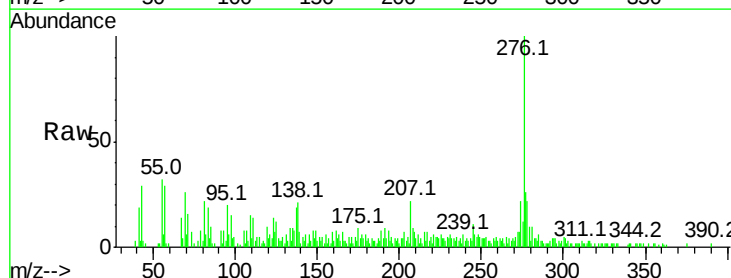
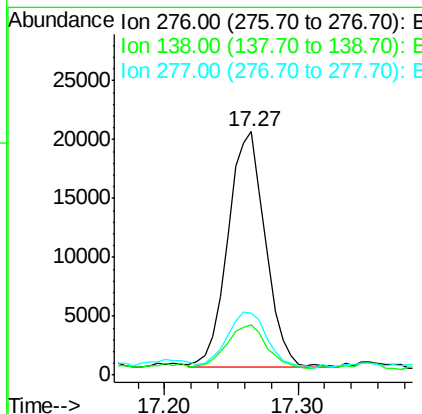
RT: 17.27 min Scan# 2538

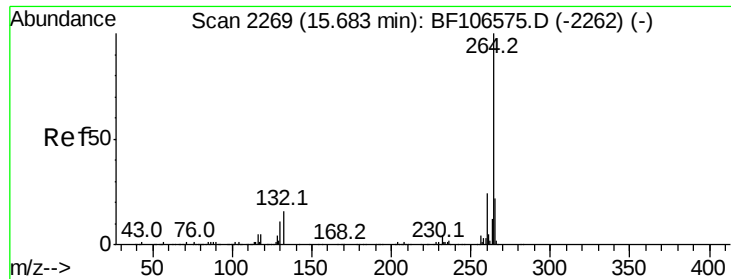
Delta R.T. 0.02 min

Lab File: BF106674.D

Acq: 21 Jun 2018 21:22

Tgt Ion:	276	Resp:	38674
Ion Ratio	Lower	Upper	
276	100		
138	20.3	25.0	37.6#
277	26.1	20.1	30.1





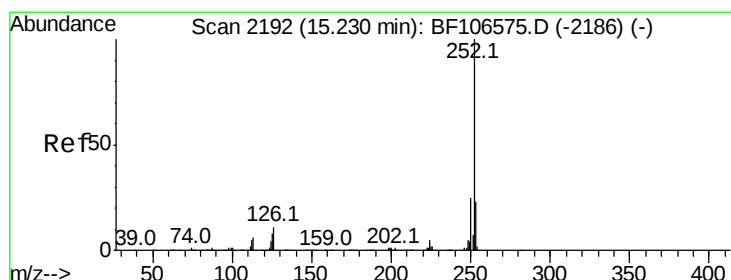
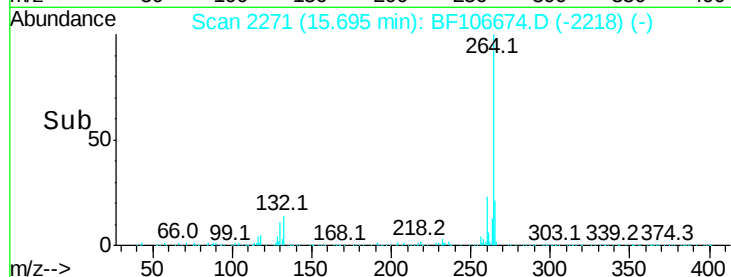
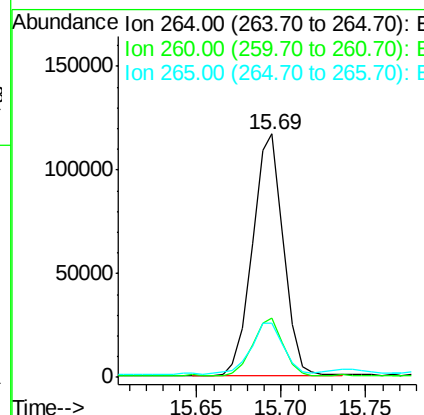
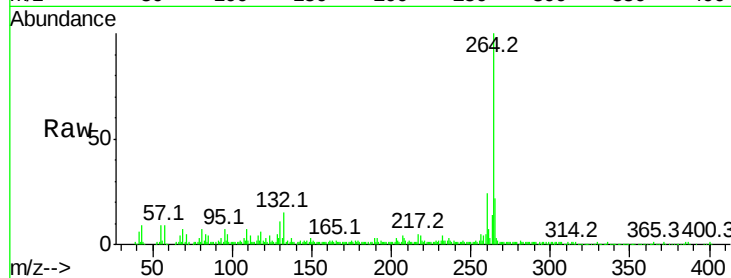
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

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

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.2	28.8	
265	22.3	17.5	26.3	

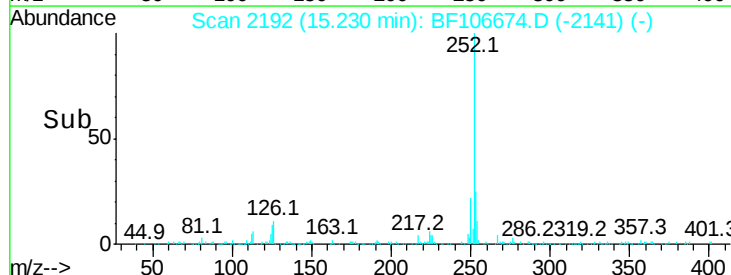
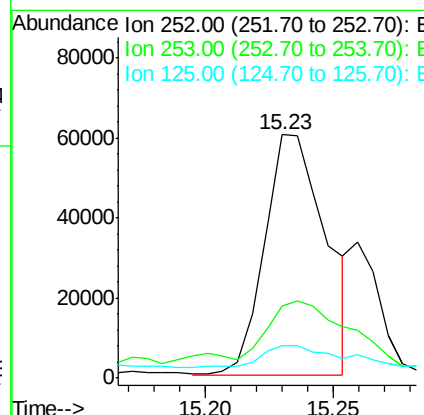
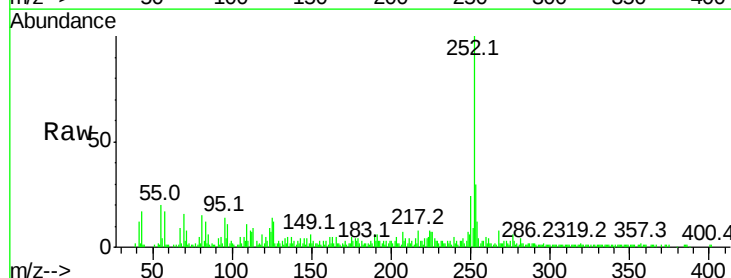
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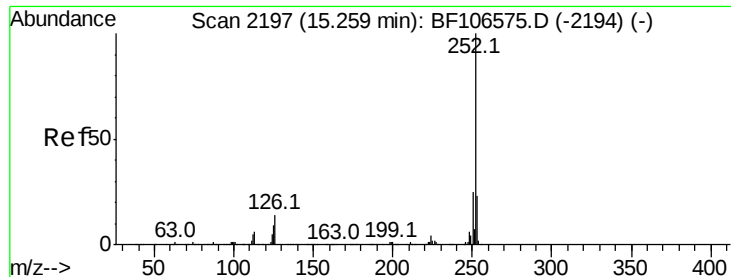
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#87
 Benzo(b)fluoranthene
 Concen: 10.910 ng m
 RT: 15.23 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	29.7	17.0	25.6#	
125	13.5	9.0	13.6	





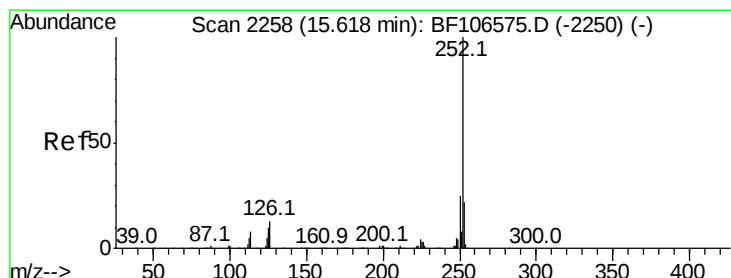
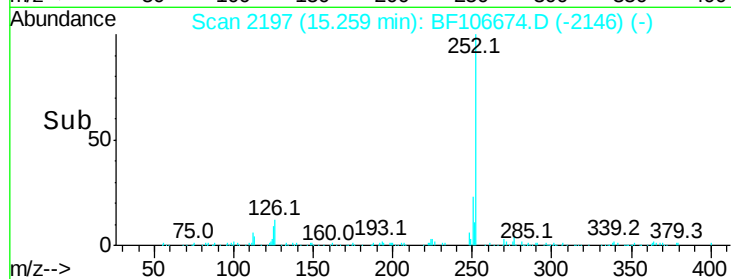
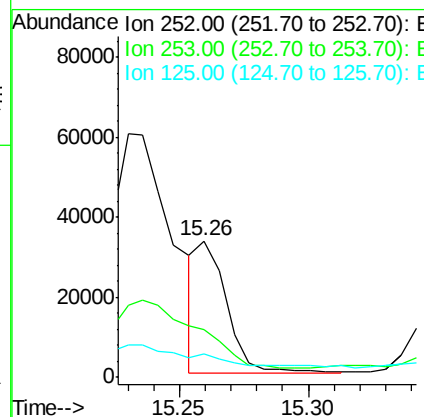
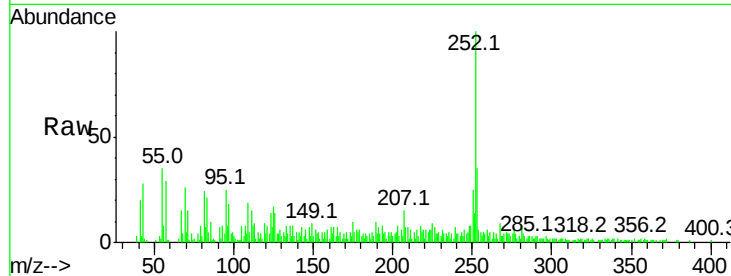
#88
Benzo(k)fluoranthene
Concen: 3.036 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.8	17.9	26.9#
125	17.5	10.2	15.2#

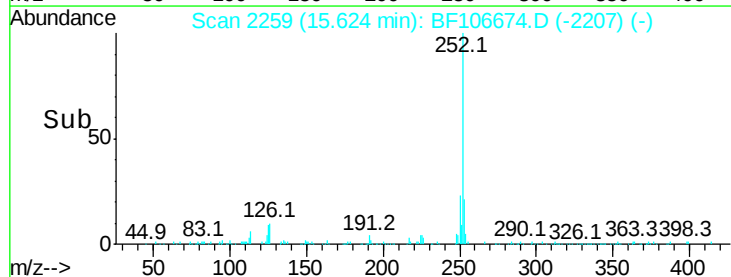
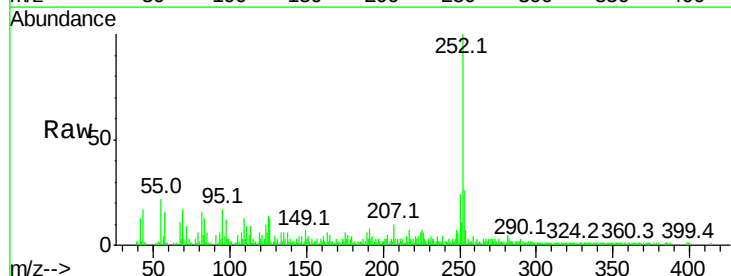
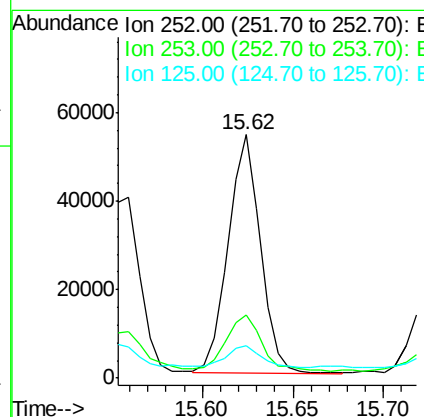
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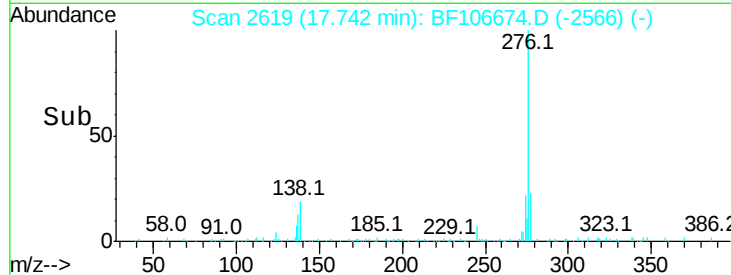
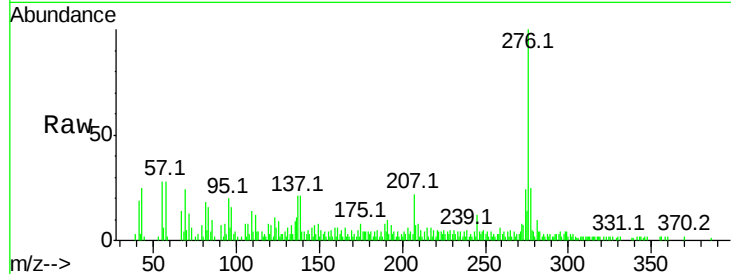
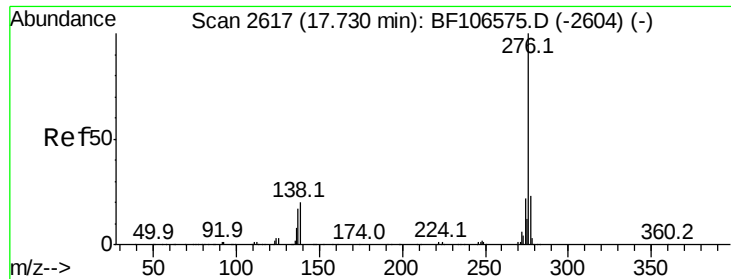
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#89
Benzo(a)pyrene
Concen: 8.144 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106674.D
Acq: 21 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.1	25.7#
125	13.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.804 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF106674.D
 Acq: 21 Jun 2018 21:22

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	20.9	21.8	32.8#

Manual Integrations
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