

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
 Data File : BF106618.D
 Acq On : 20 Jun 2018 9:02
 Operator : JU/SJ
 Sample : J3249-05DL 25X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-CDL

Manual Integrations
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 6/20/2018 4:58:51 PM

Quant Time: Jun 20 09:25:15 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	91012	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	320831	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	127703	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	223807	20.00	ng	0.00
75) Chrysene-d12	14.15	240	254934	20.00	ng	0.00
86) Perylene-d12	15.69	264	185452	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	21649	4.03	ng	0.00
7) Phenol-d6	6.60	99	28143	4.19	ng	-0.01
23) Nitrobenzene-d5	7.52	82	15300	2.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	4637	3.13	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	31968	-12.72	ng	-0.01
78) Terphenyl-d14	13.08	244	34746	3.30	ng	0.00
Target Compounds						
51) Acenaphthene	10.04	154	17467	2.193	ng	Qvalue 100
57) Fluorene	10.55	166	34062	3.936	ng	98
70) Phenanthrene	11.52	178	299188	27.716	ng	99
71) Anthracene	11.57	178	103393	9.384	ng	99
74) Fluoranthene	12.72	202	545624	45.859	ng	96
77) Pyrene	12.95	202	490455	29.174	ng	100
80) Benzo(a)anthracene	14.14	228	295695m	19.031	ng	
82) Chrysene	14.18	228	257162m	17.990	ng	
85) Indeno(1,2,3-cd)pyrene	17.25	276	86971	7.170	ng	# 92
87) Benzo(b)fluoranthene	15.24	252	256671m	22.280	ng	
88) Benzo(k)fluoranthene	15.26	252	93815m	8.551	ng	
89) Benzo(a)pyrene	15.62	252	175071	17.095	ng	96
90) Dibenzo(a,h)anthracene	17.26	278	22417	2.583	ng	93
91) Benzo(g,h,i)perylene	17.74	276	86071	10.146	ng	# 92

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

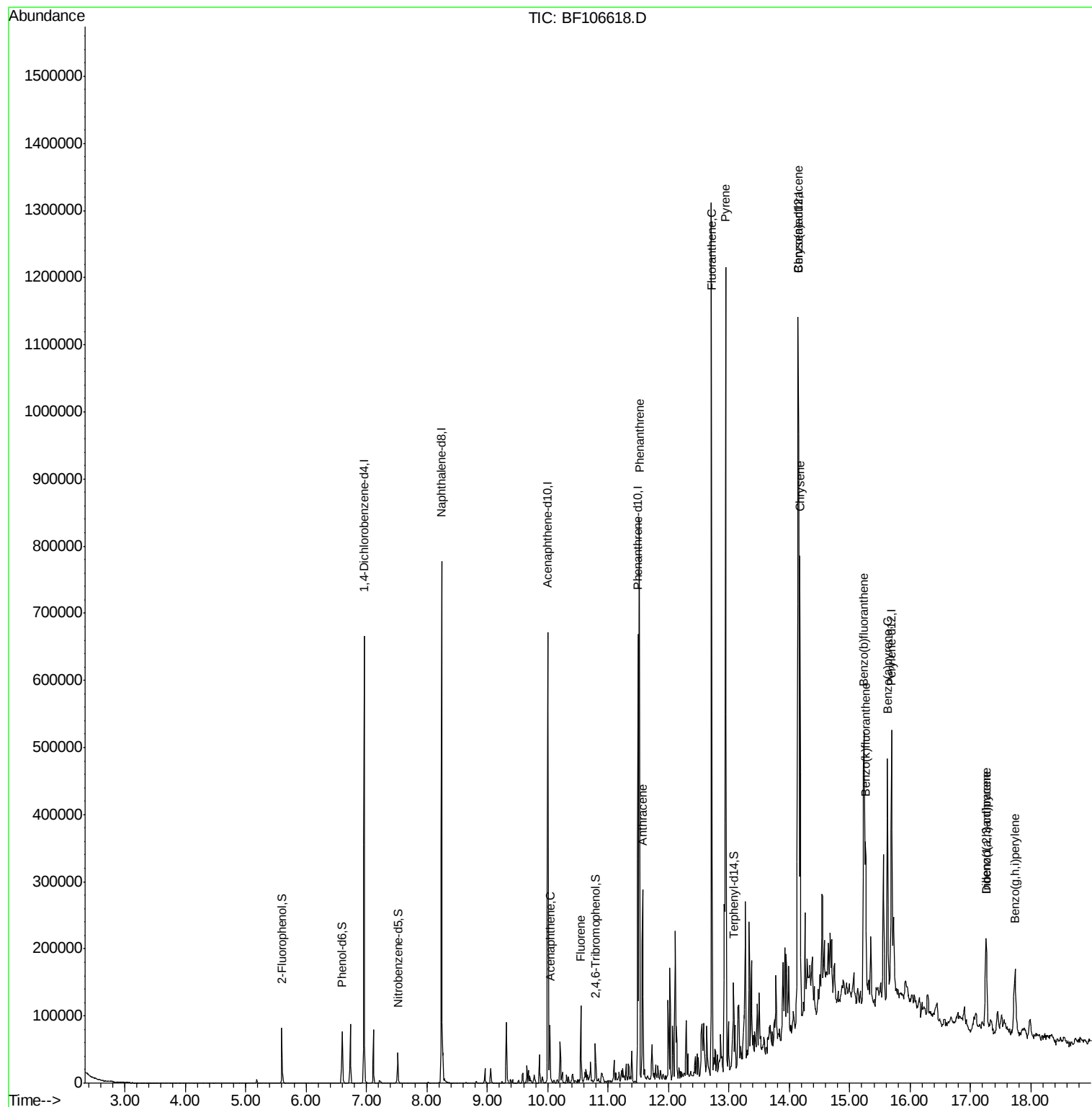
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106618.D
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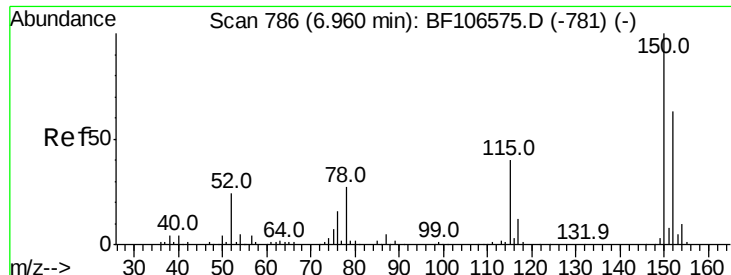
Instrument :
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#1

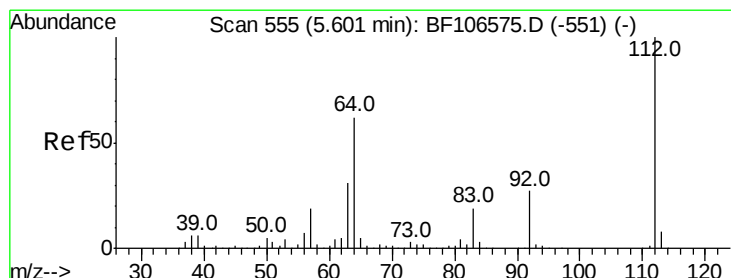
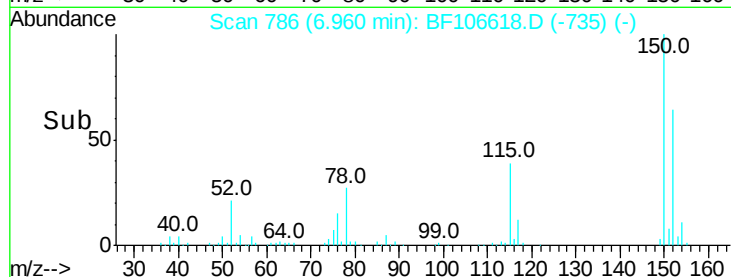
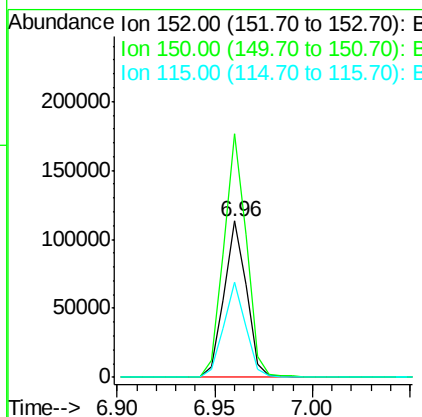
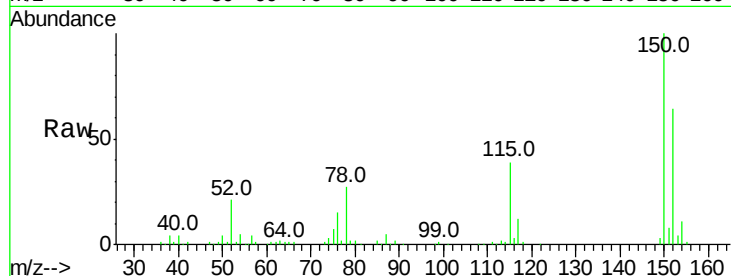
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-CDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	60.5	50.1	75.1

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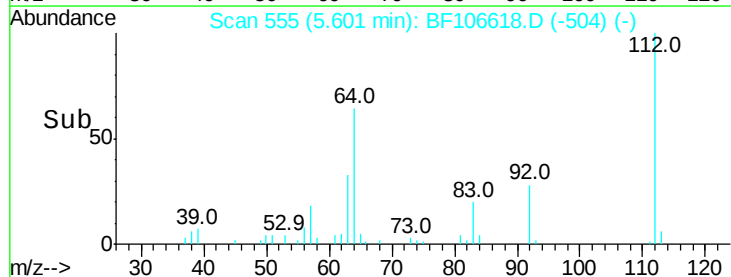
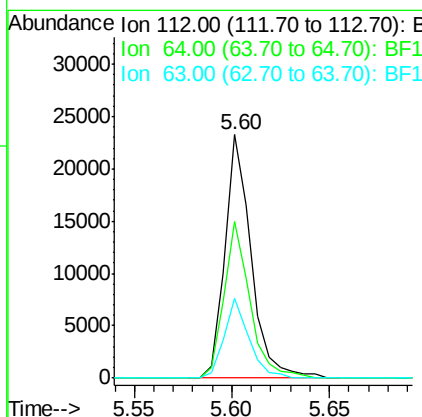
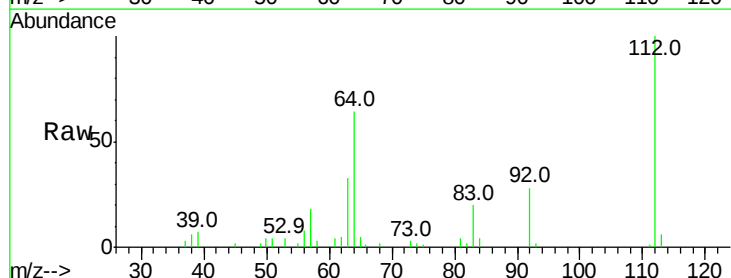
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#5

2-Fluorophenol
Concen: 4.028 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 4.193 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Instrument :

BNA_F

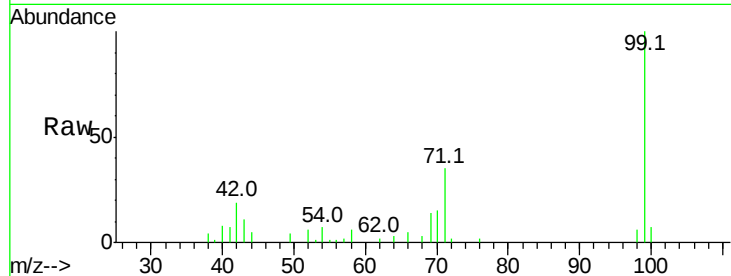
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PL-01-061818-CDL

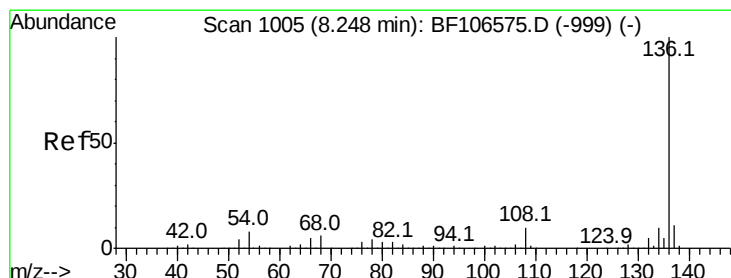
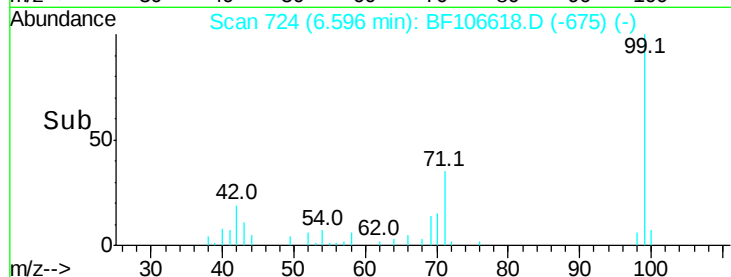
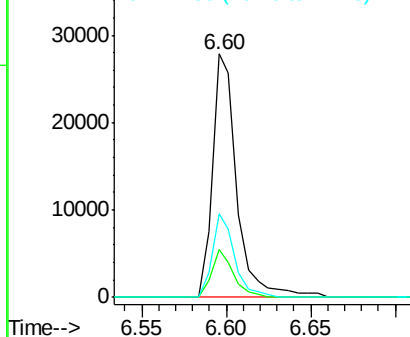
Tot Ion:	99	Resp:	28143
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	34.5	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

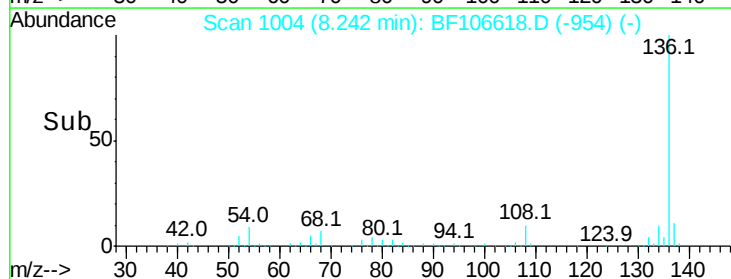
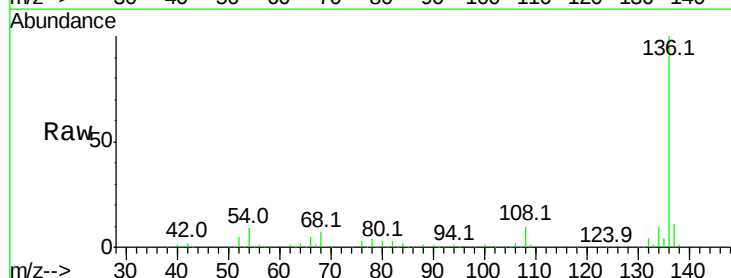
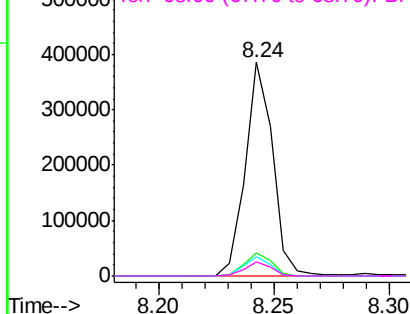
Delta R.T. -0.01 min

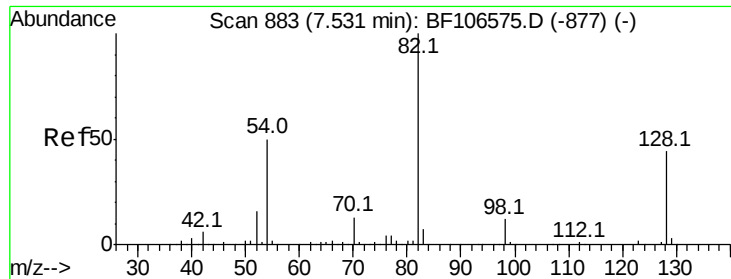
Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Tgt Ion:	136	Resp:	320831
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.0	6.6	9.8
68	6.7	5.0	7.4

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





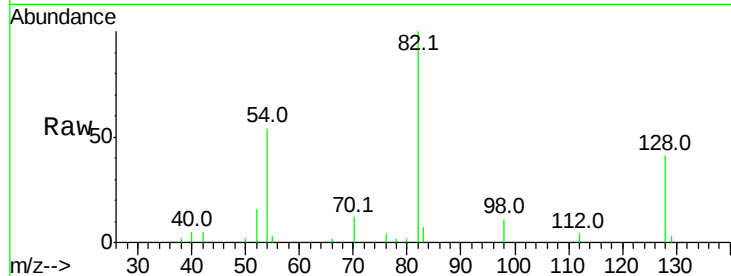
#23
 Nitrobenzene-d5
 Concen: 2.650 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF106618.D
 Acq: 20 Jun 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-CDL

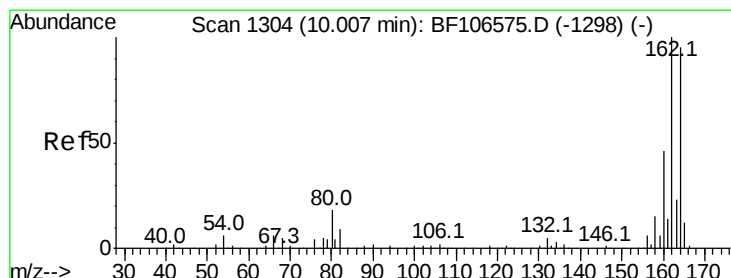
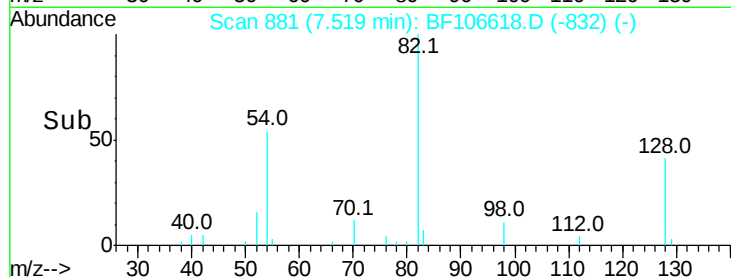
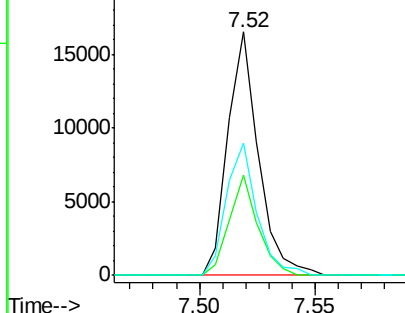
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	54.2	41.4	62.2

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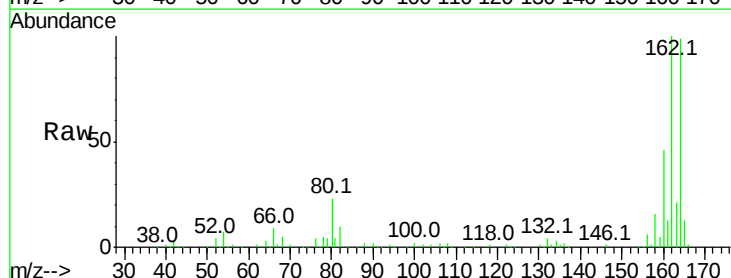


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

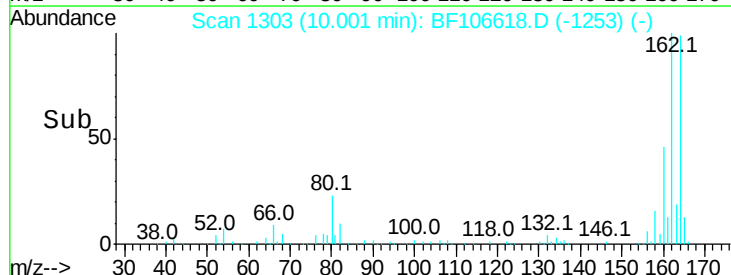
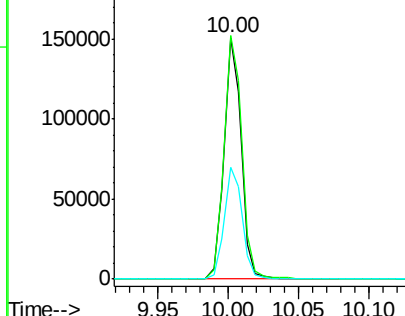


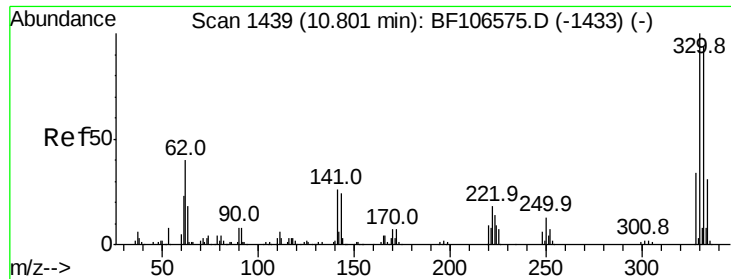
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF106618.D
 Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	46.4	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





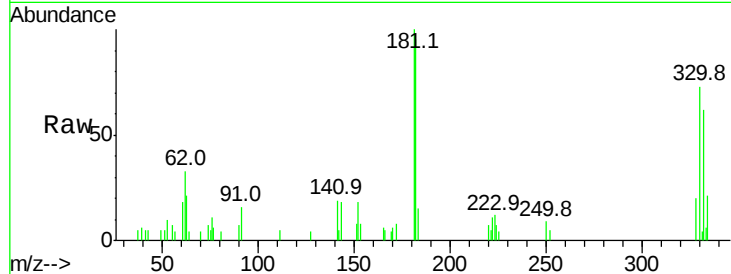
#41
 2,4,6-Tribromophenol
 Concen: 3.133 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106618.D
 Acq: 20 Jun 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :
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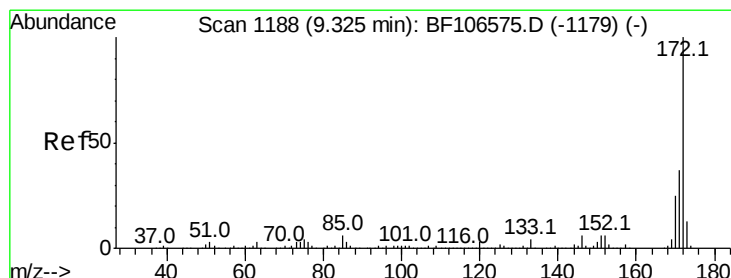
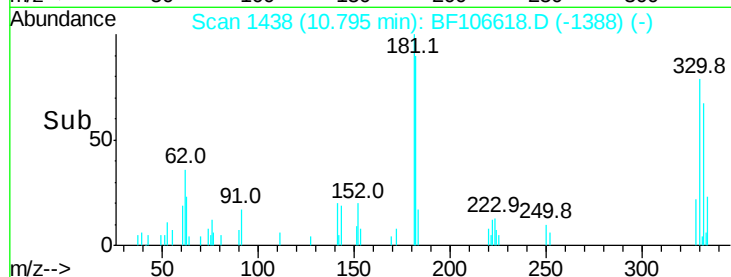
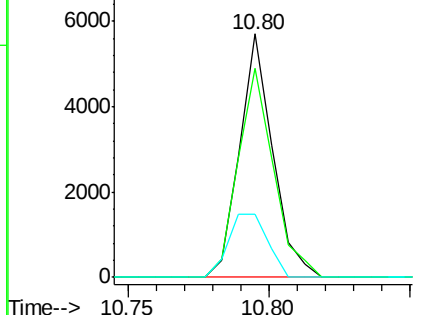
Tot Ion	Ratio	Lower	Upper
330	100		
332	91.8	77.0	115.6
141	30.9	29.9	44.9

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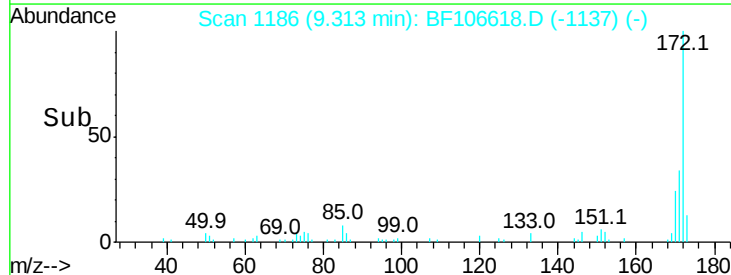
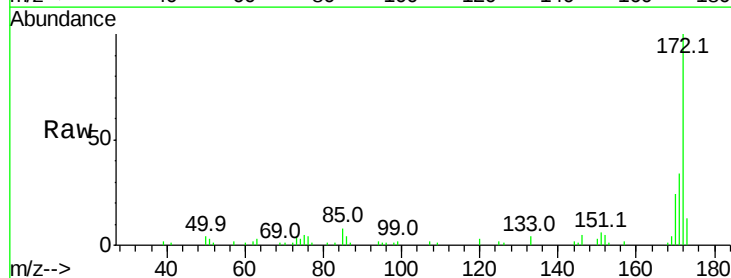
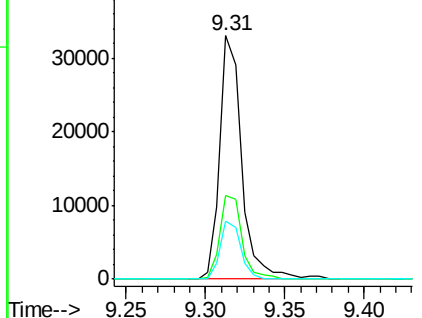
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

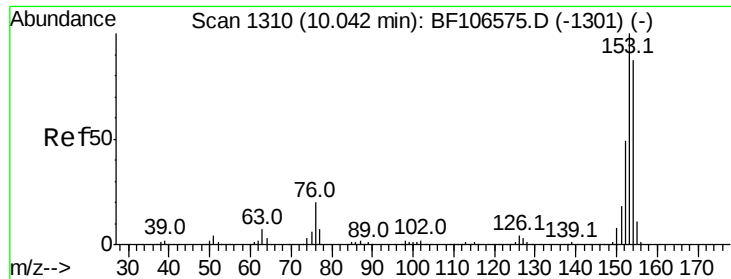


#44
 2-Fluorobiphenyl
 Concen: -12.722 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106618.D
 Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.7	44.5
170	23.9	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





#51

Acenaphthene

Concen: 2.193 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Instrument :

BNA_F

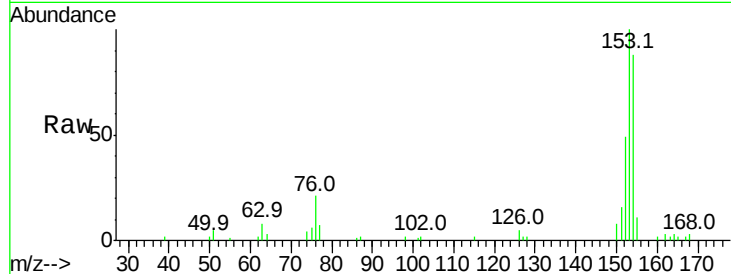
ClientSampleId :

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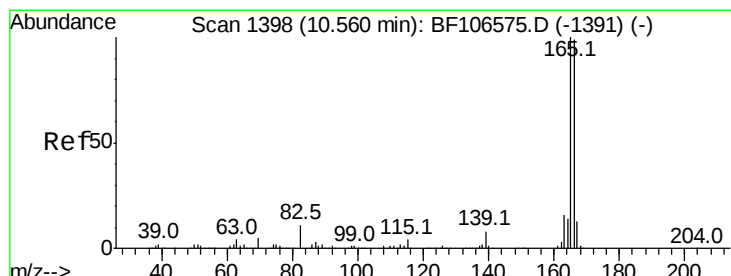
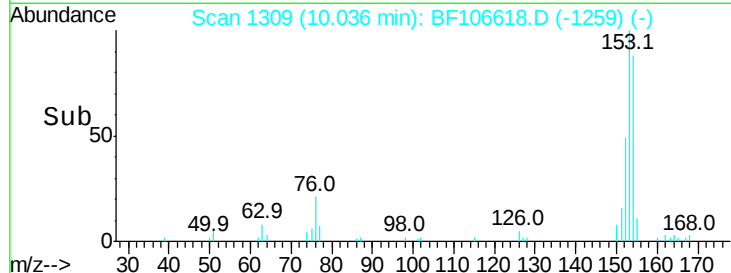
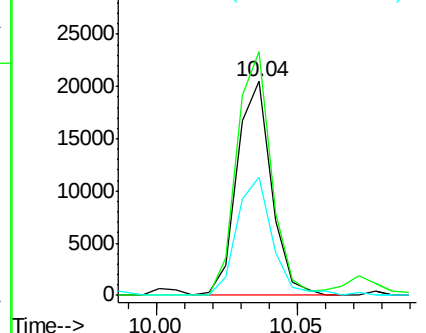
Tot Ion:	154	Resp:	17467
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	55.3	43.8	65.8

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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



#57

Fluorene

Concen: 3.936 ng

RT: 10.55 min Scan# 1396

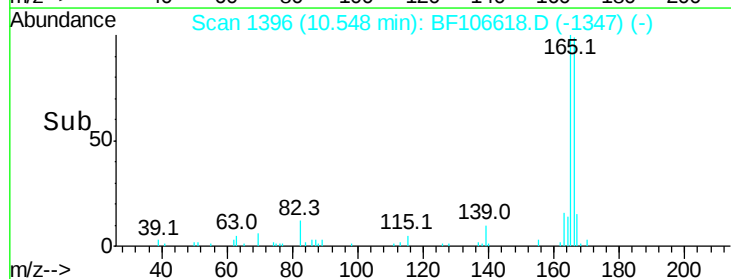
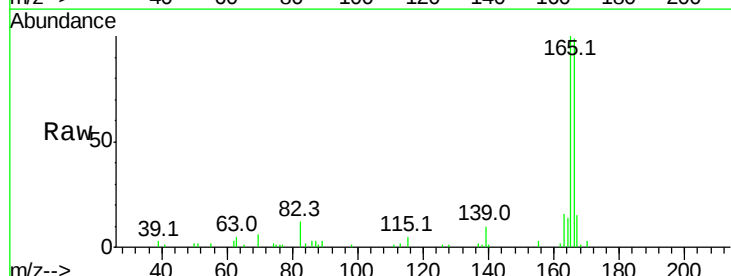
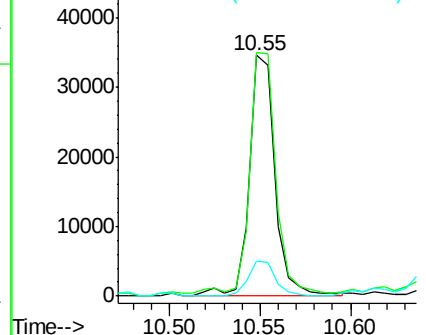
Delta R.T. -0.01 min

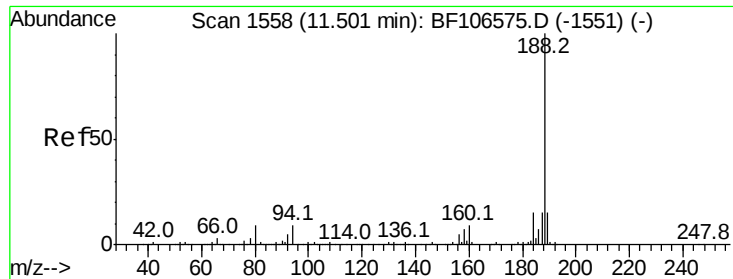
Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Tgt Ion:	166	Resp:	34062
Ion Ratio	Lower	Upper	
166	100		
165	101.3	79.8	119.8
167	14.7	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





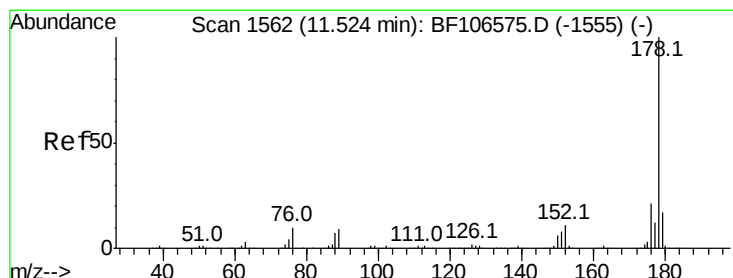
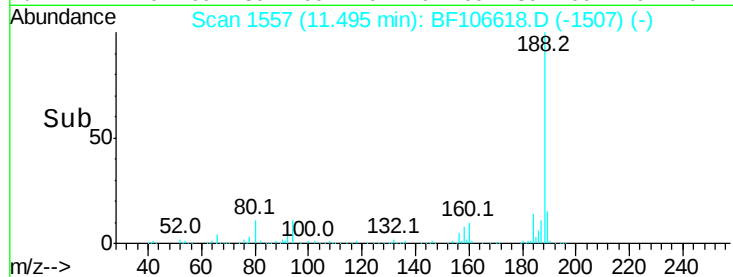
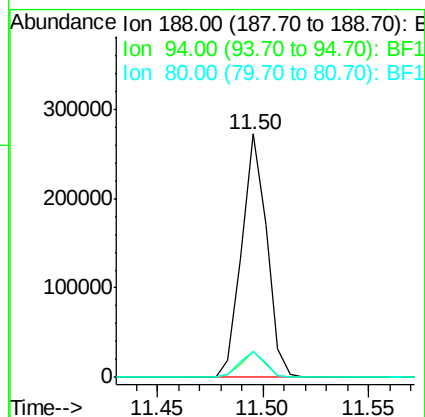
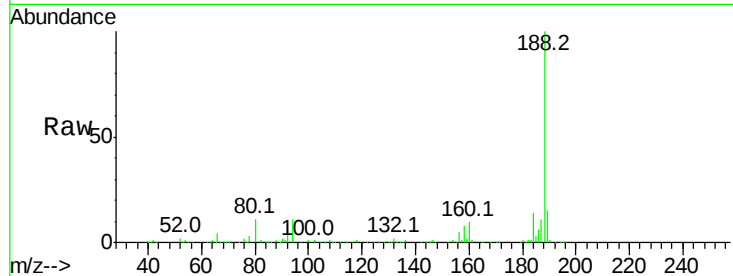
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Instrument :
BNA_F
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PL-01-061818-CDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.5	9.2	13.8

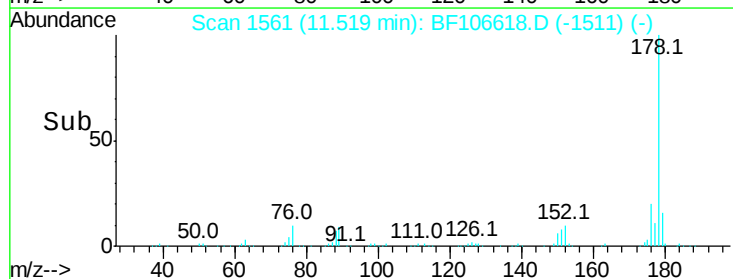
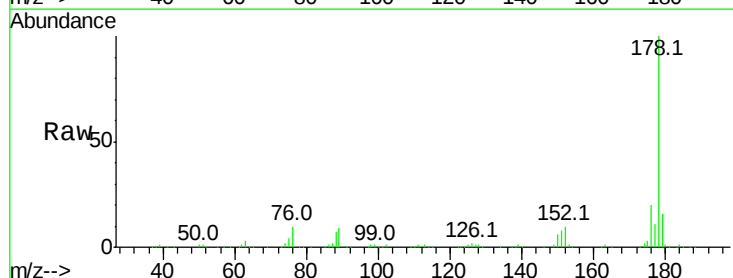
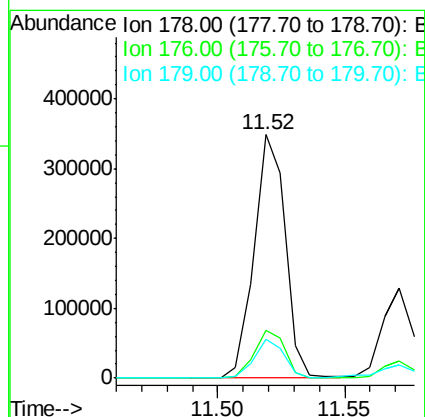
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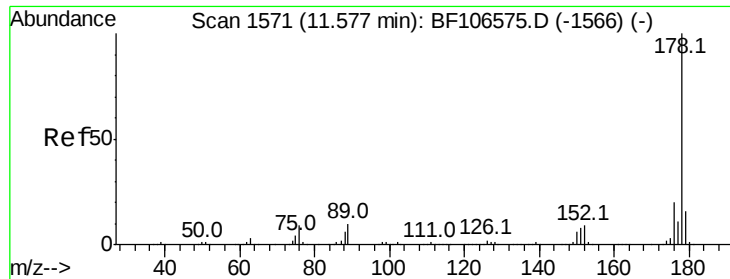
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#70
Phenanthrene
Concen: 27.716 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.7	13.0	19.6





#71

Anthracene

Concen: 9.384 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Instrument :

BNA_F

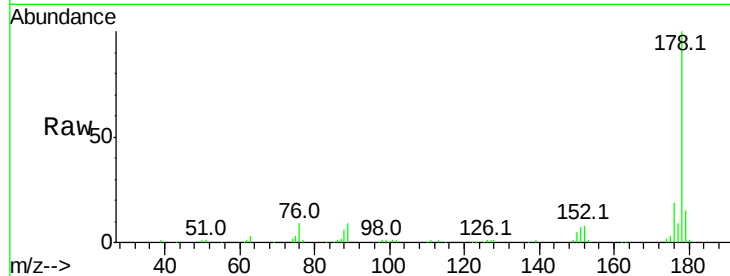
ClientSampleId :

PL-01-061818-CDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.2	12.6	19.0

Manual Integrations
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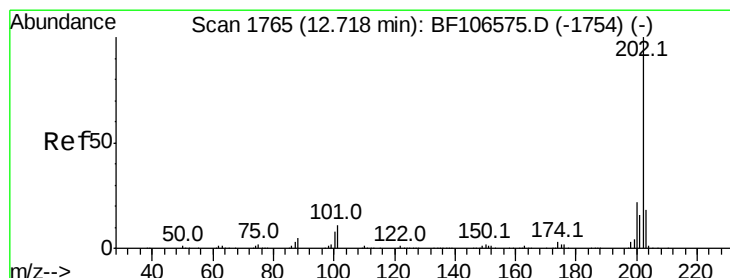
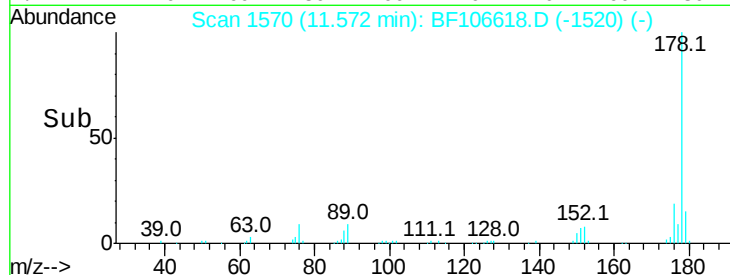
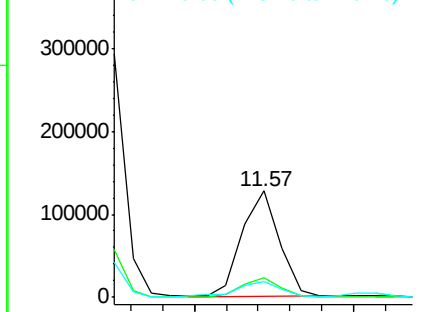
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 45.859 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106618.D

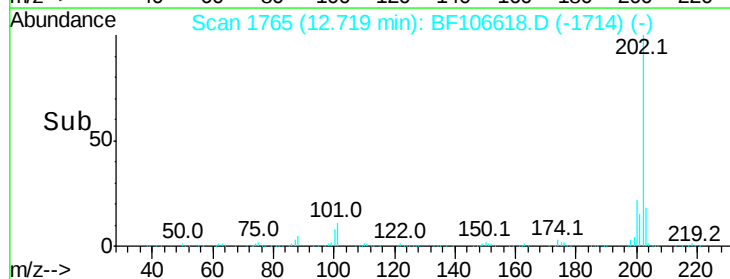
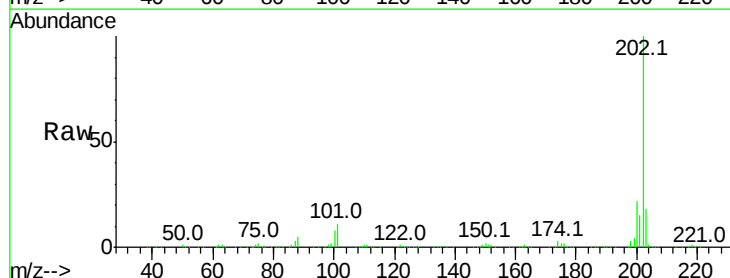
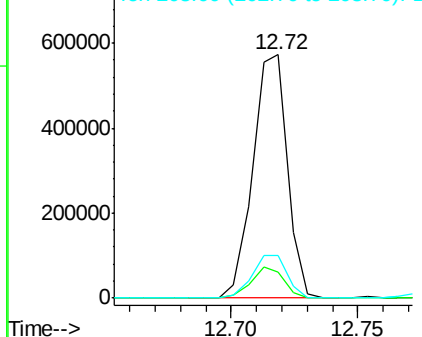
Acq: 20 Jun 2018 9:02

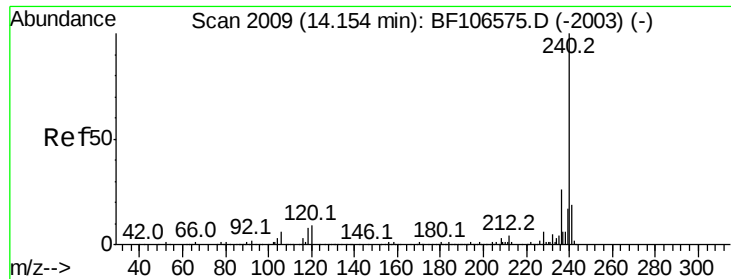
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.8	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Instrument :

BNA_F

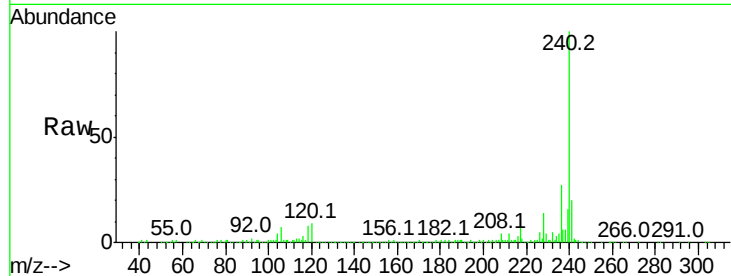
ClientSampleId :

PL-01-061818-CDL

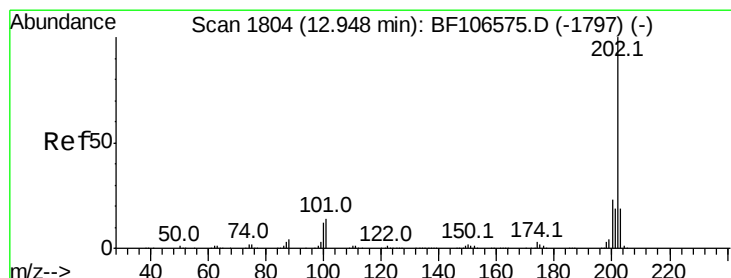
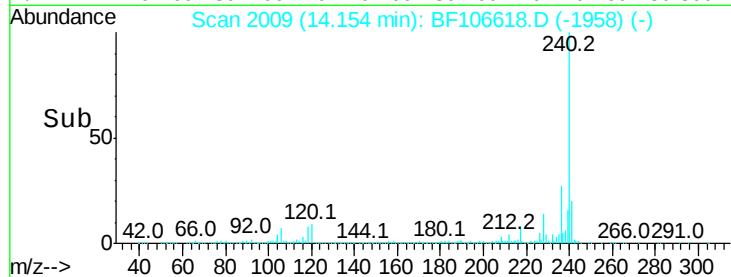
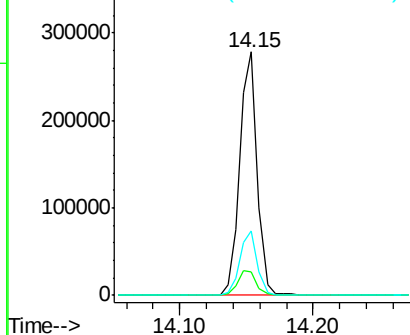
Tot Ion:	240	Resp:	254934
Ion Ratio	Lower	Upper	
240	100		
120	9.4	9.5	14.3#
236	26.6	20.7	31.1

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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: 29.174 ng

RT: 12.95 min Scan# 1804

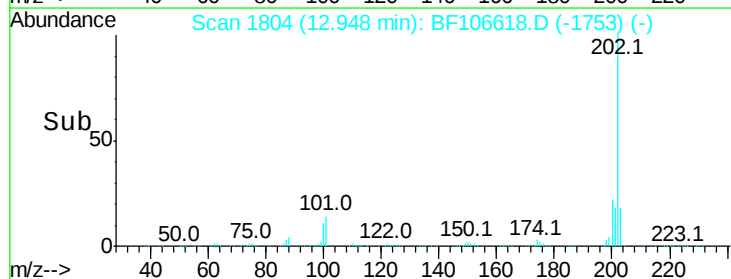
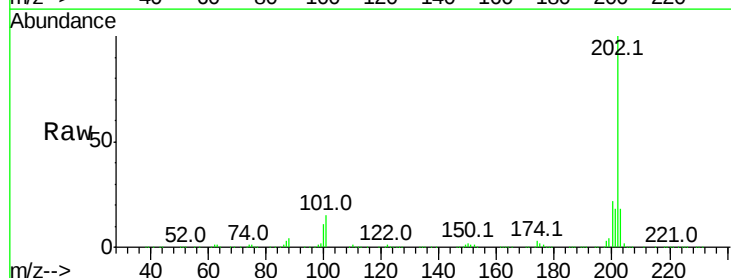
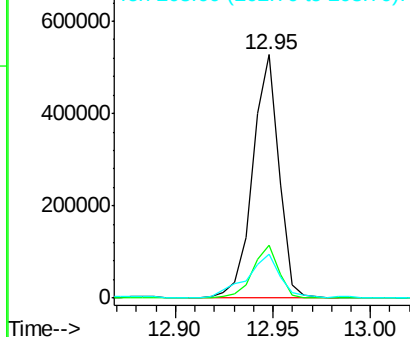
Delta R.T. 0.00 min

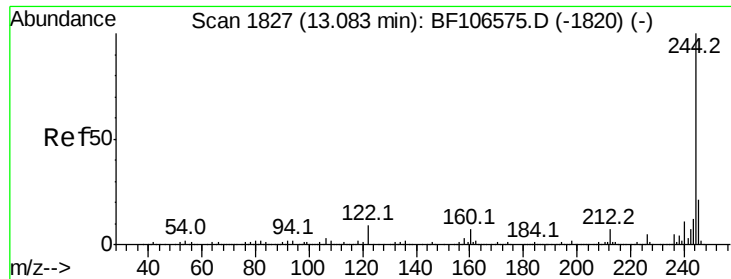
Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Tgt Ion:	202	Resp:	490455
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.2	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





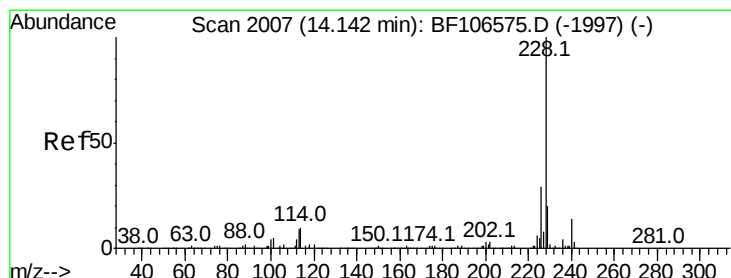
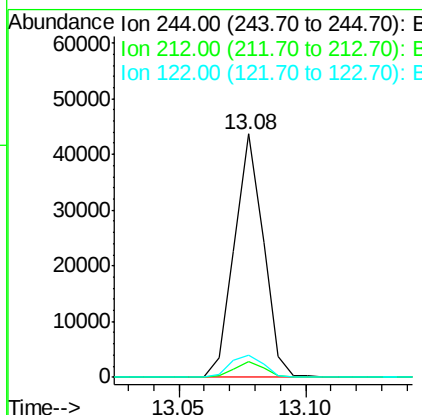
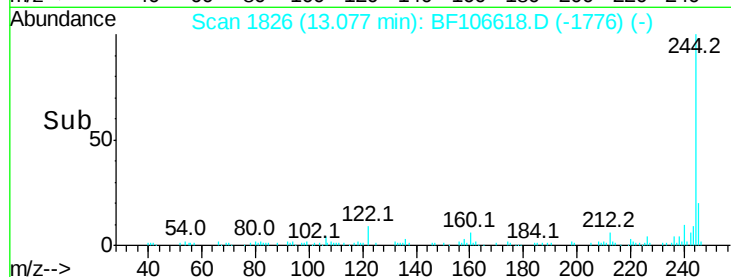
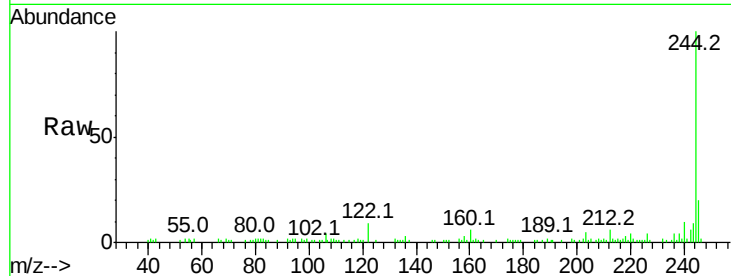
#78
 Terphenyl-d14
 Concen: 3.301 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106618.D
 Acq: 20 Jun 2018 9:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061818-CDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.9	11.0	16.4

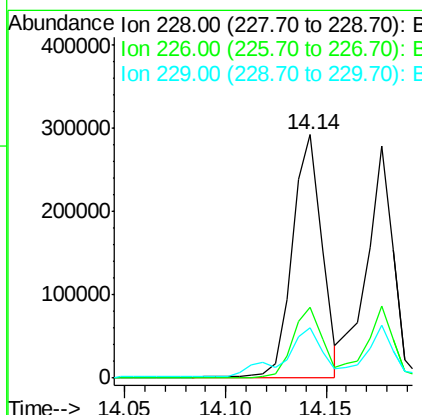
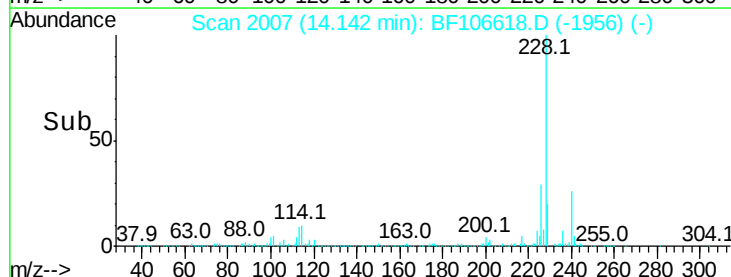
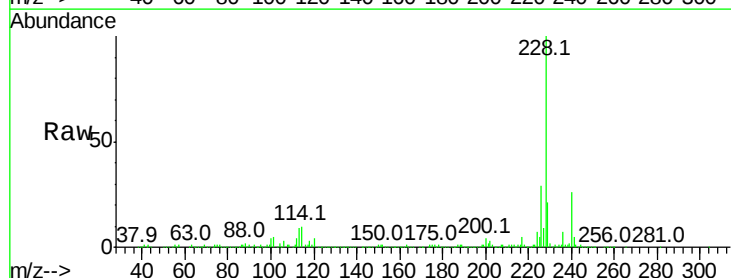
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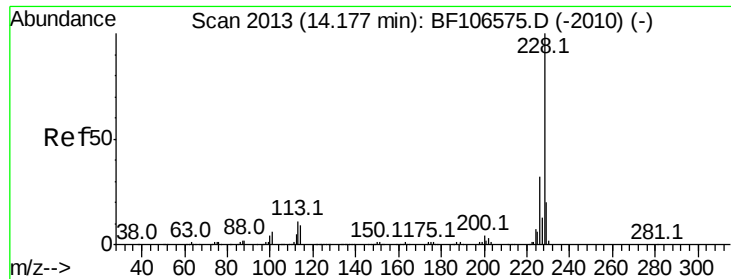
Sohil
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#80
 Benzo(a)anthracene
 Concen: 19.031 ng m
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF106618.D
 Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.8	15.8	23.6





#82

Chrysene

Concen: 17.990 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Instrument :

BNA_F

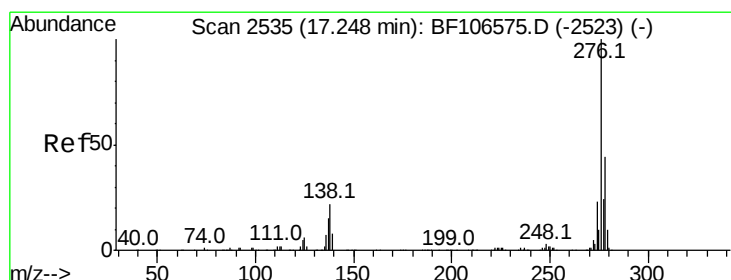
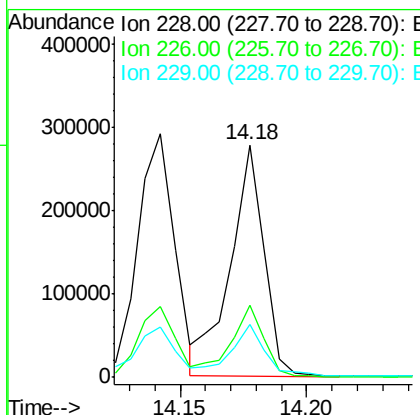
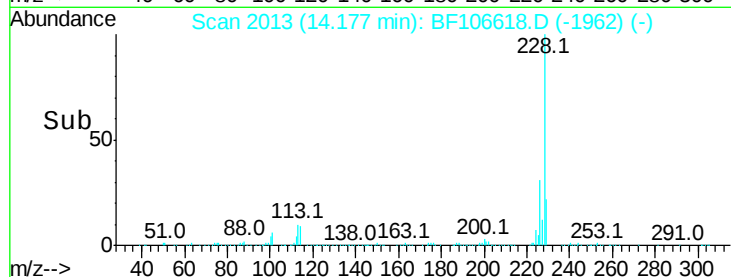
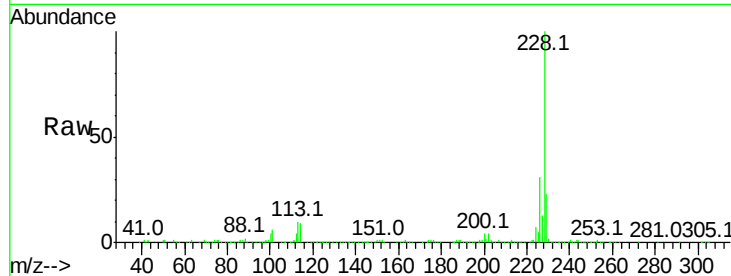
ClientSampleId :

PL-01-061818-CDL

Tot Ion:	228	Resp:	257162
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.170 ng

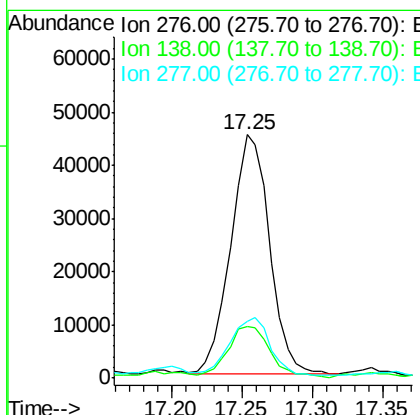
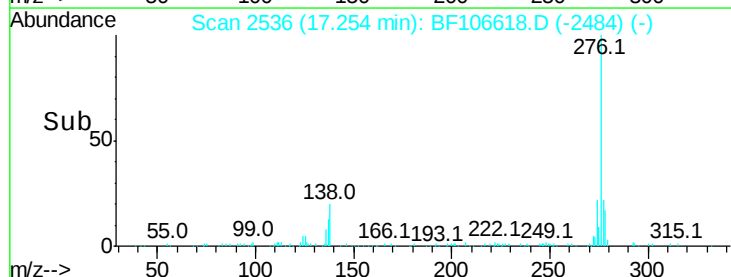
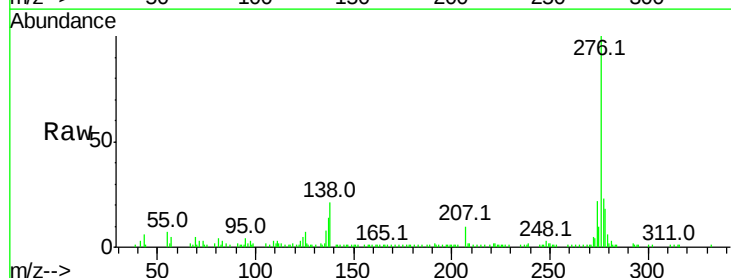
RT: 17.25 min Scan# 2536

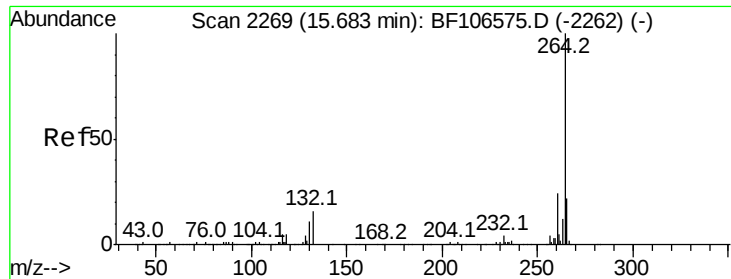
Delta R.T. 0.01 min

Lab File: BF106618.D

Acq: 20 Jun 2018 9:02

Tgt Ion:	276	Resp:	86971
Ion Ratio	Lower	Upper	
276	100		
138	24.0	25.0	37.6#
277	24.6	20.1	30.1





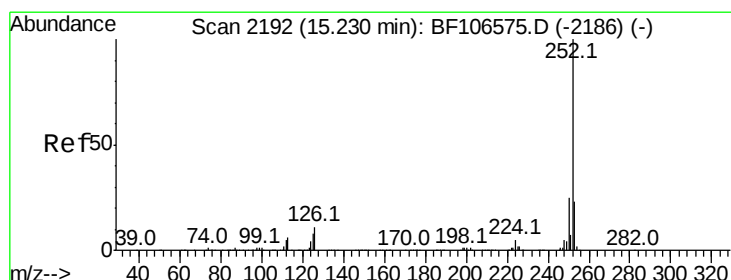
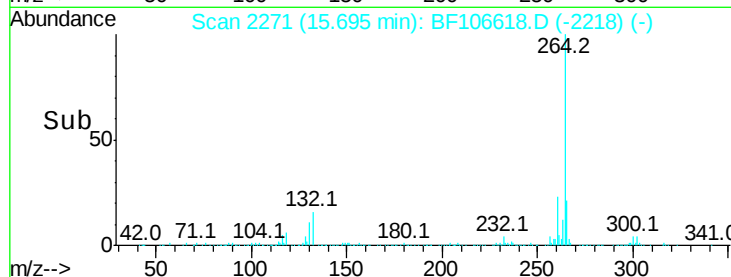
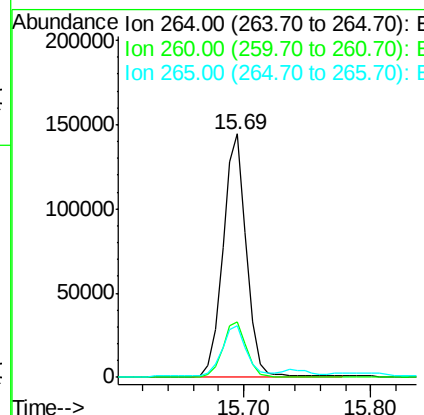
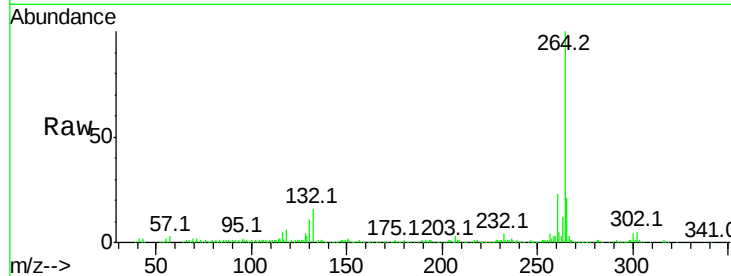
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-CDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.1	17.5	26.3

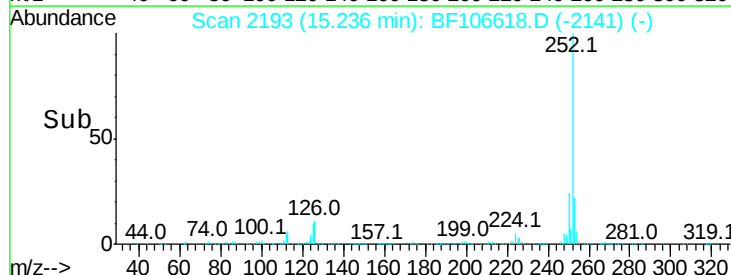
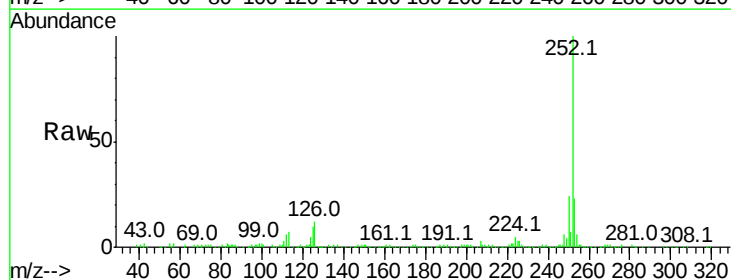
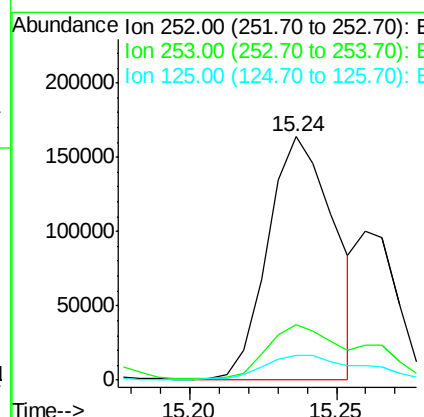
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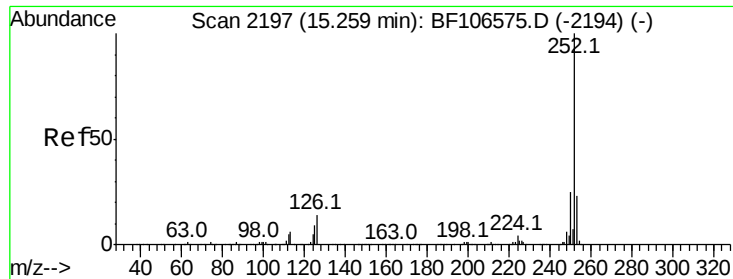
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#87
Benzo(b)fluoranthene
Concen: 22.280 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.0	9.0	13.6





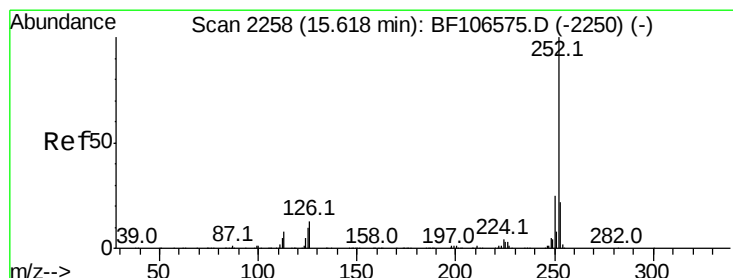
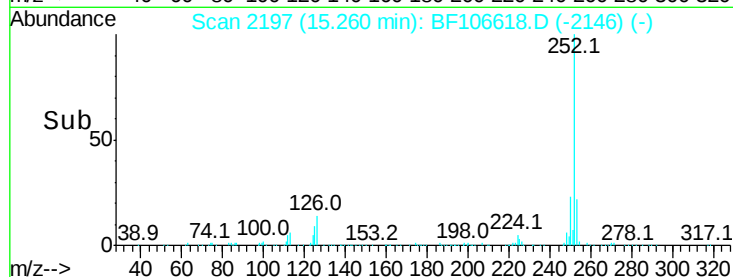
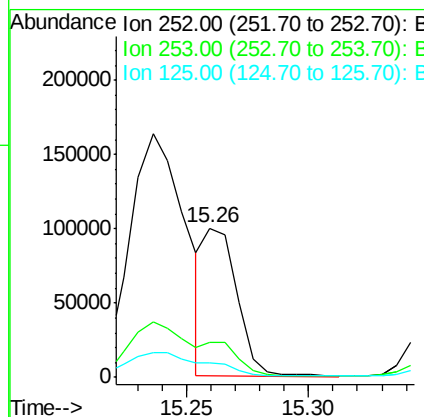
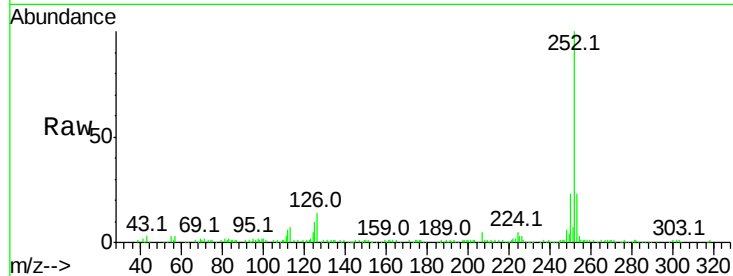
#88
Benzo(k)fluoranthene
Concen: 8.551 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-CDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.1	10.2	15.2

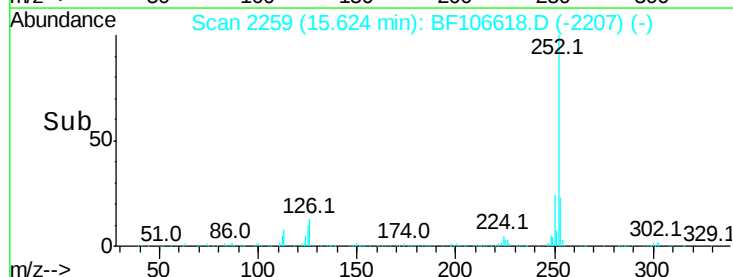
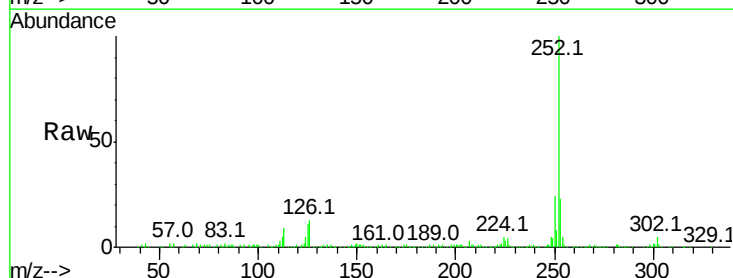
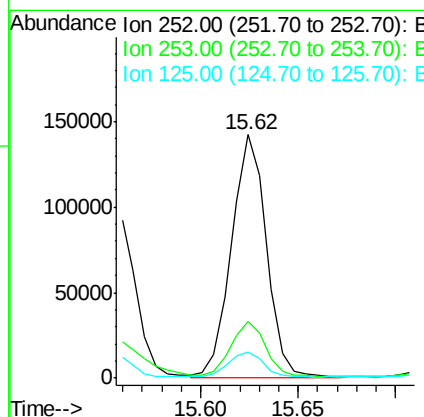
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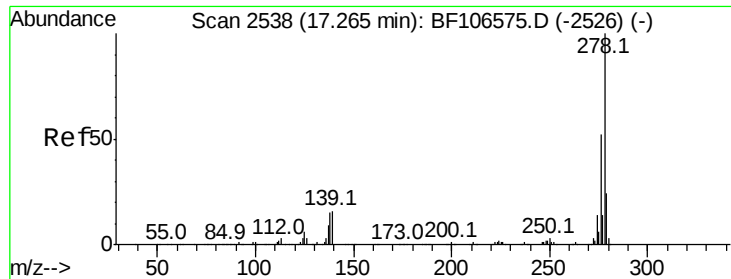
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#89
Benzo(a)pyrene
Concen: 17.095 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.9	9.8	14.6





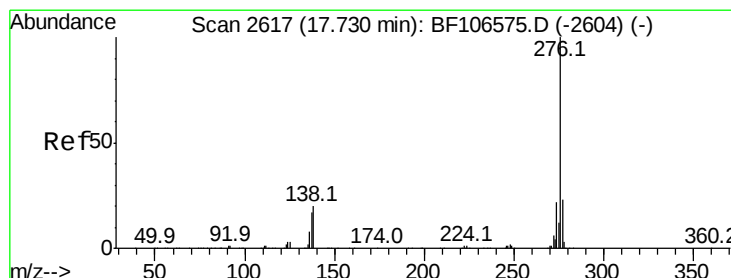
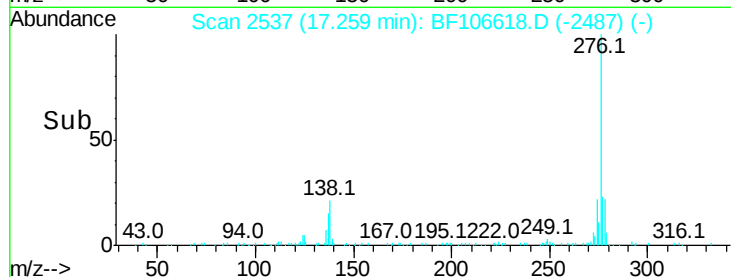
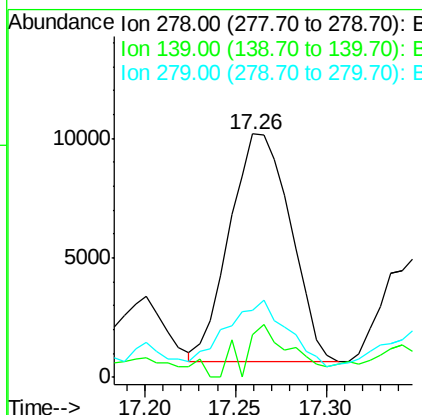
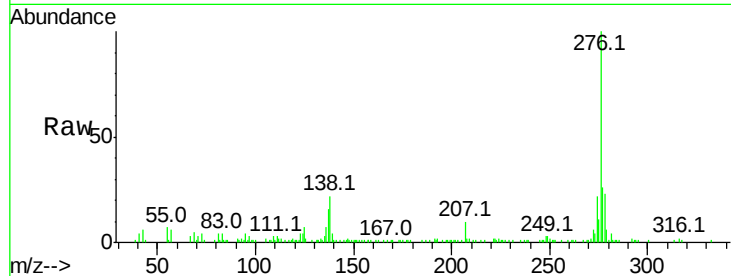
#90
Dibenzo(a,h)anthracene
Concen: 2.583 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-CDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.6	15.9	23.9
279	27.5	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.146 ng
RT: 17.74 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF106618.D
Acq: 20 Jun 2018 9:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	20.1	21.8	32.8#

