

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107092.D
 Acq On : 3 Jul 2018 19:51
 Operator : JU/SJ
 Sample : J3245-17 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

Manual Integrations
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Sohil
 7/5/2018 1:04:39 PM

Quant Time: Jul 03 23:51:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	48818	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	172122	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	76329	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	159418	20.00	ng	0.00
75) Chrysene-d12	14.15	240	135533	20.00	ng	-0.02
86) Perylene-d12	15.69	264	100435	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	157697	54.70	ng	0.00
7) Phenol-d6	6.60	99	183665	51.01	ng	-0.01
23) Nitrobenzene-d5	7.52	82	98603	31.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	47426	53.61	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	201956	36.34	ng	-0.01
78) Terphenyl-d14	13.08	244	268923	48.06	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	20350	3.555	ng	# 97
57) Fluorene	10.55	166	14501	2.803	ng	# 91
70) Phenanthrene	11.52	178	142557	18.540	ng	97
71) Anthracene	11.57	178	47699	6.078	ng	97
72) Carbazole	11.73	167	26868	3.657	ng	99
74) Fluoranthene	12.72	202	339746	40.089	ng	94
77) Pyrene	12.95	202	312943	35.015	ng	99
80) Benzo(a)anthracene	14.14	228	150958	18.275	ng	98
82) Chrysene	14.18	228	130679	17.196	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	51013	7.910	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	136618m	21.898	ng	
88) Benzo(k)fluoranthene	15.26	252	41201m	6.935	ng	
89) Benzo(a)pyrene	15.63	252	90294m	16.280	ng	
90) Dibenzo(a,h)anthracene	17.28	278	15903	3.383	ng	# 89
91) Benzo(a,h,i)perylene	17.77	276	45867	9.983	ng	# 90

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

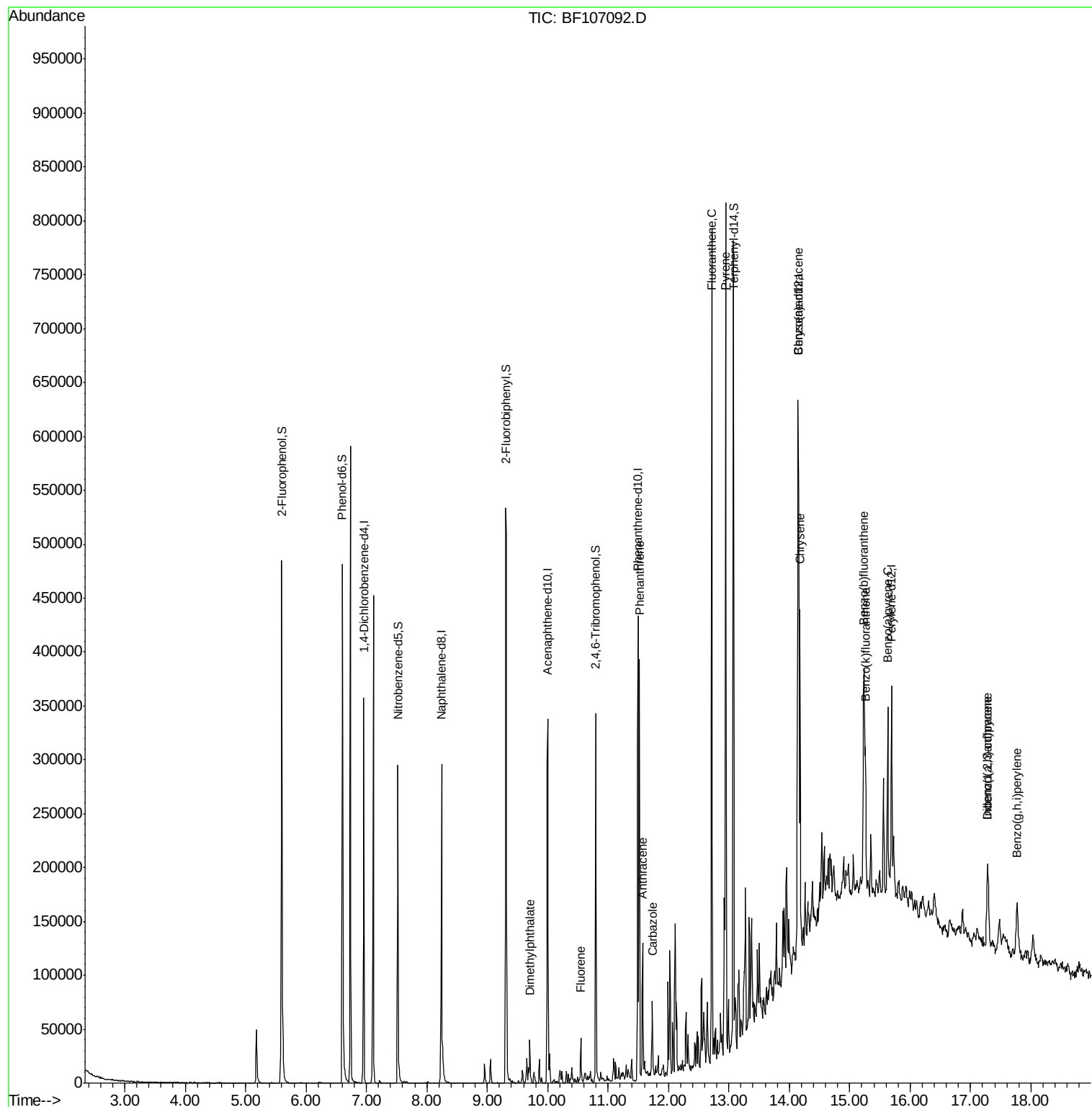
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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ALS Vial : 23 Sample Multiplier: 1

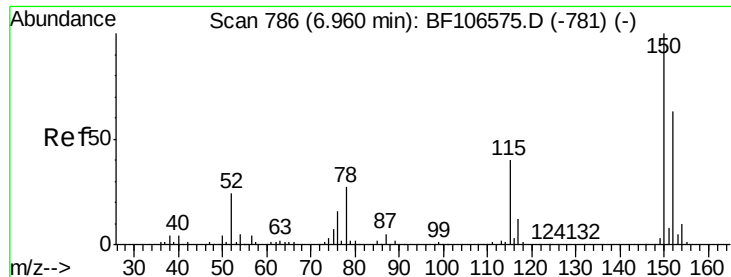
Instrument :
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CL-01-062918-A

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#1

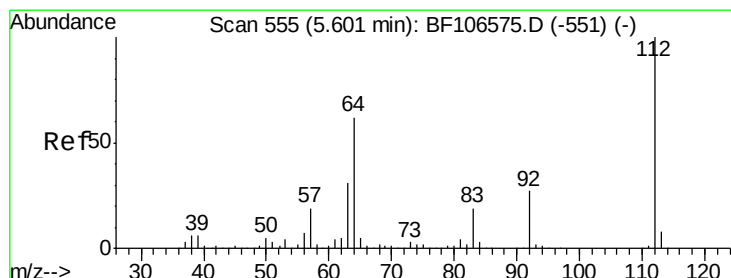
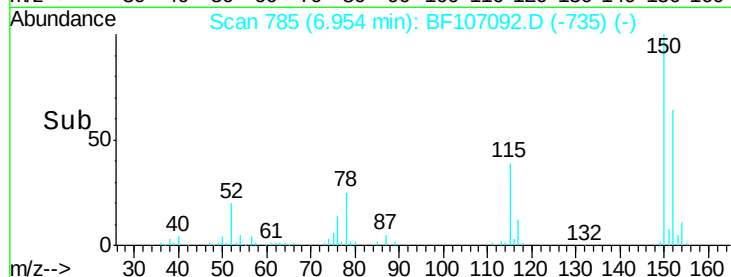
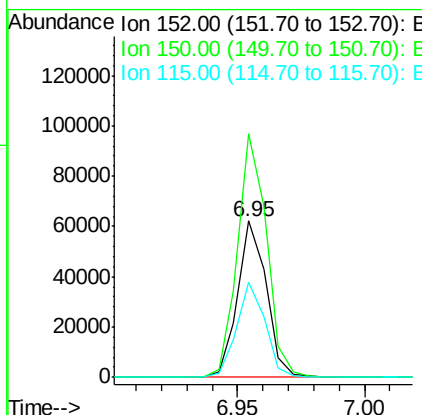
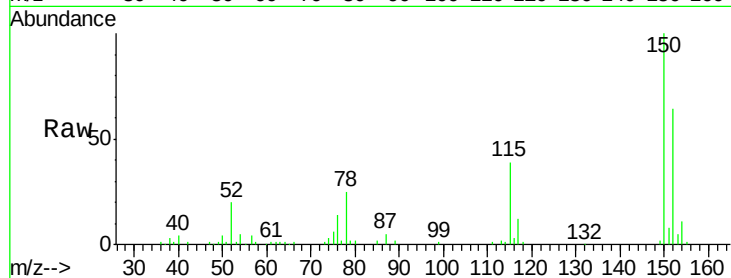
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	60.9	50.1	75.1

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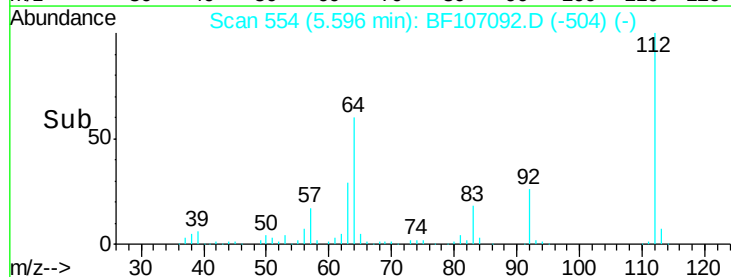
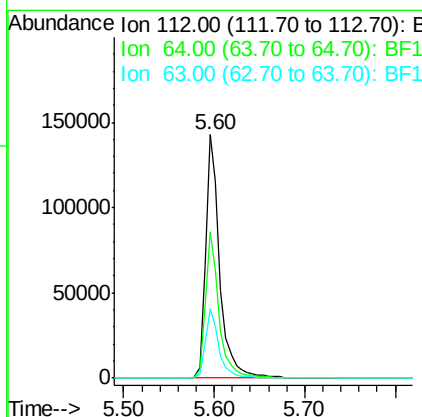
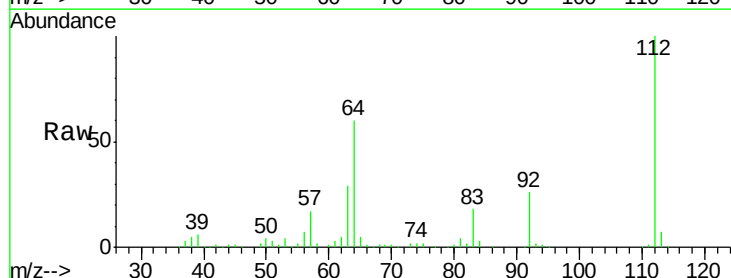
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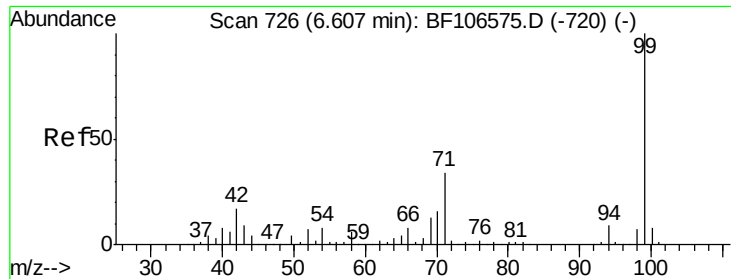


#5

2-Fluorophenol
Concen: 54.699 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	28.6	23.7	35.5





#7

Phenol-d6

Concen: 51.014 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

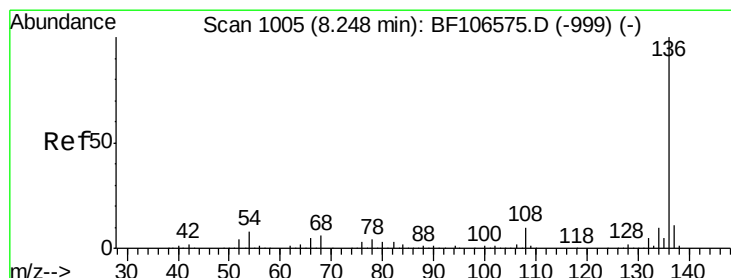
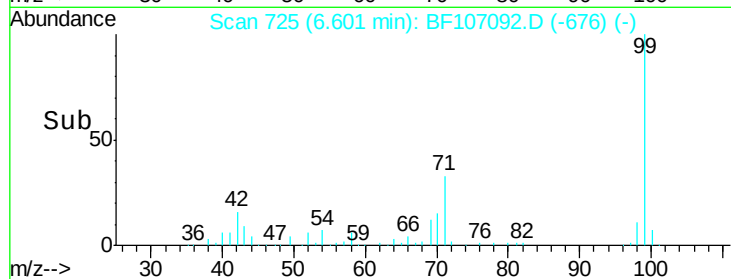
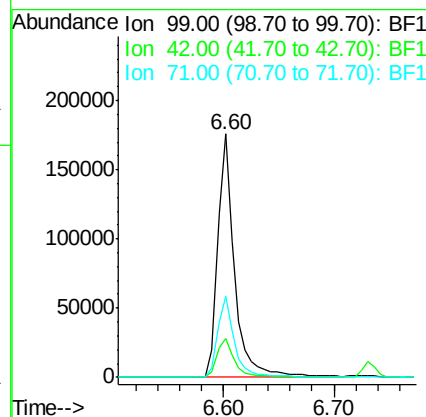
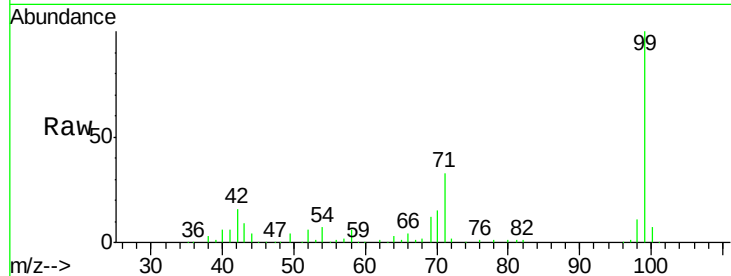
ClientSampleId :

CL-01-062918-A

Tot Ion:	99	Resp:	183665
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

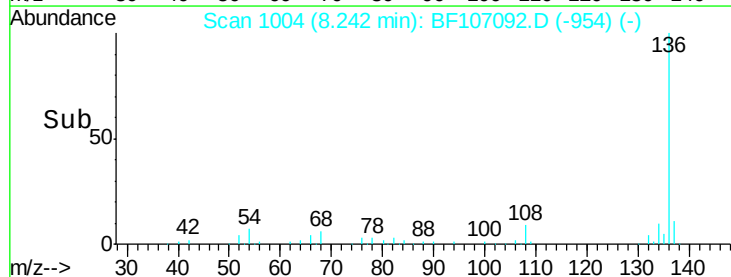
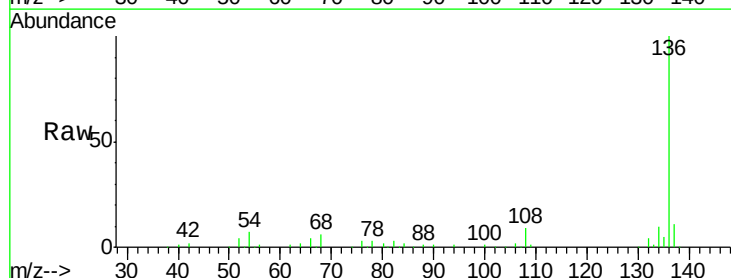
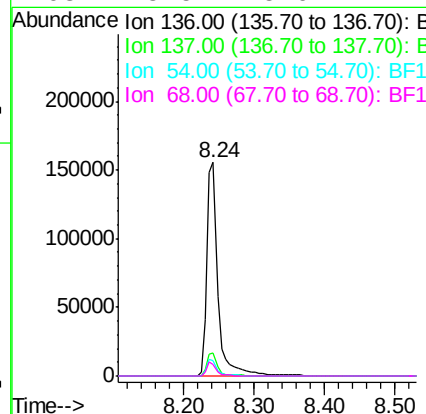
RT: 8.24 min Scan# 1004

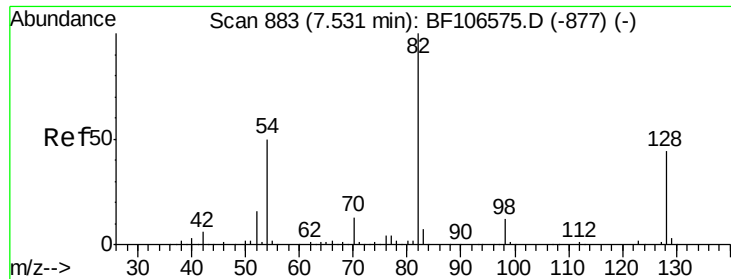
Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Tgt Ion:	136	Resp:	172122
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	7.1	6.6	9.8
68	5.5	5.0	7.4





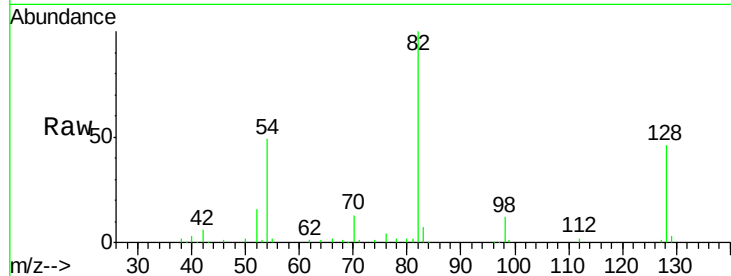
#23
 Nitrobenzene-d5
 Concen: 31.836 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Instrument :
 BNA_F
 ClientSampled :
 CL-01-062918-A

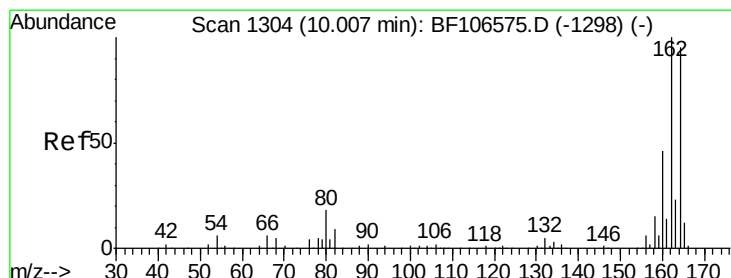
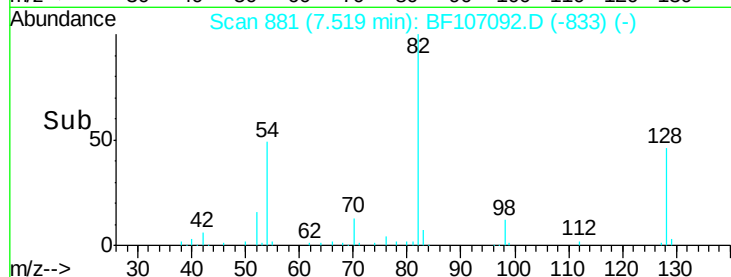
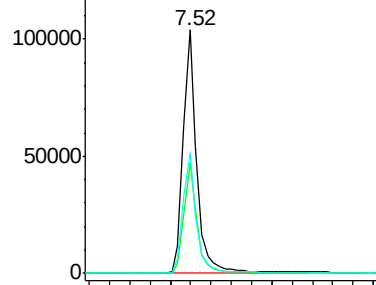
Tot Ion	82	Resp	98603
Ion Ratio	100	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	49.4	41.4	62.2

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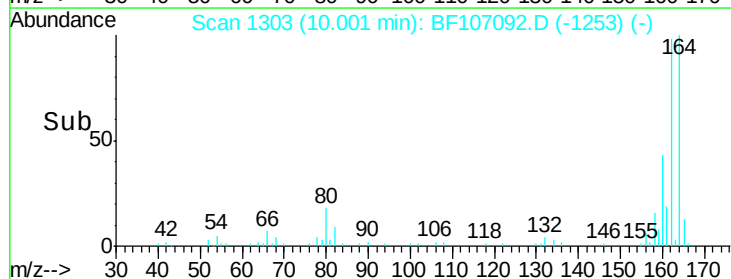
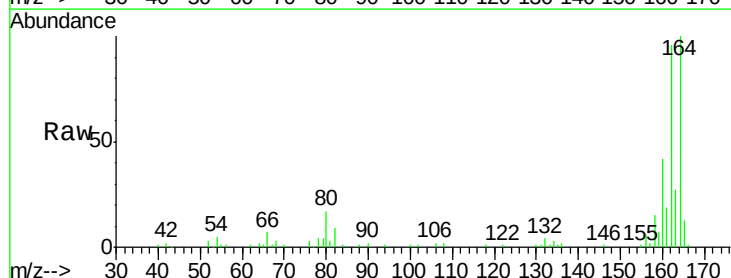
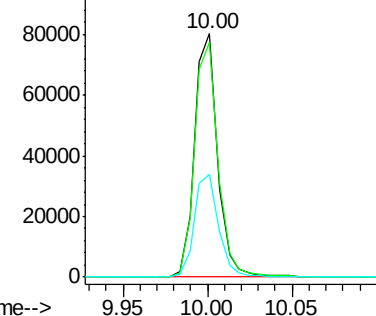
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

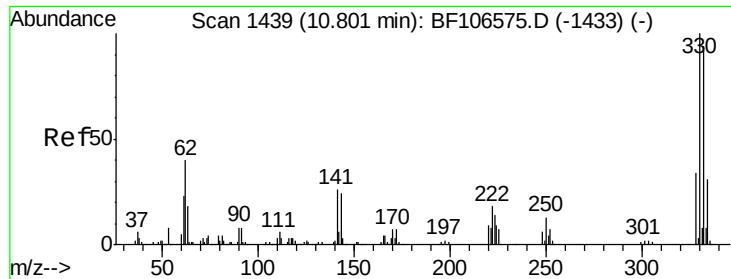


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion	164	Resp	76329
Ion Ratio	100	Lower	Upper
164	100		
162	96.2	86.1	129.1
160	42.2	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: 53.608 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

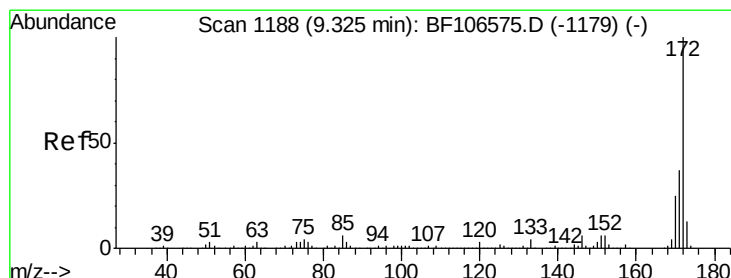
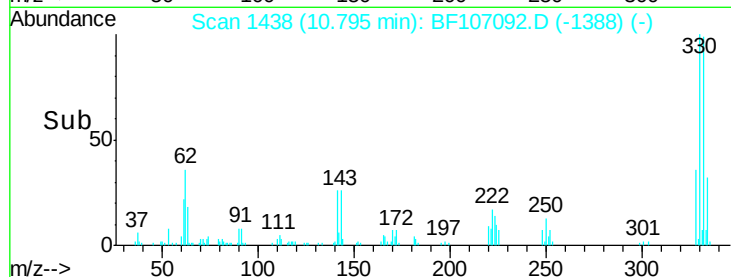
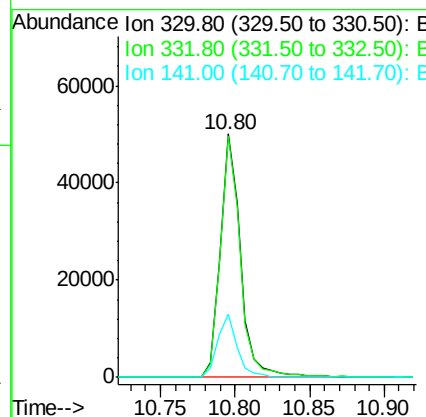
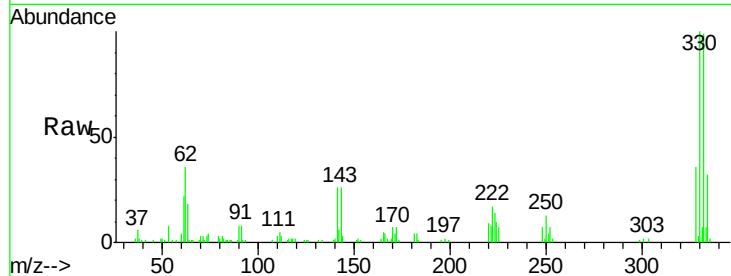
ClientSampleId :

CL-01-062918-A

Tot Ion:	330	Resp:	47426
Ion Ratio	Lower	Upper	
330	100		
332	98.2	77.0	115.6
141	24.8	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 36.340 ng

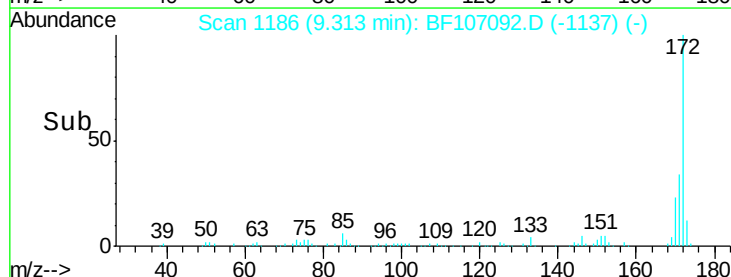
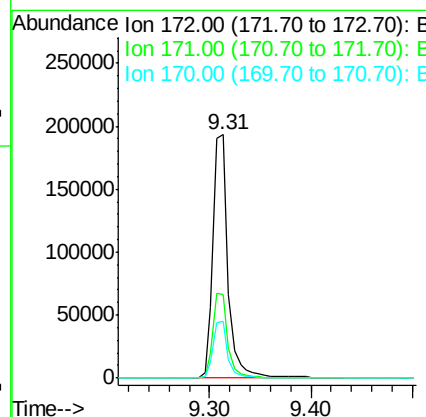
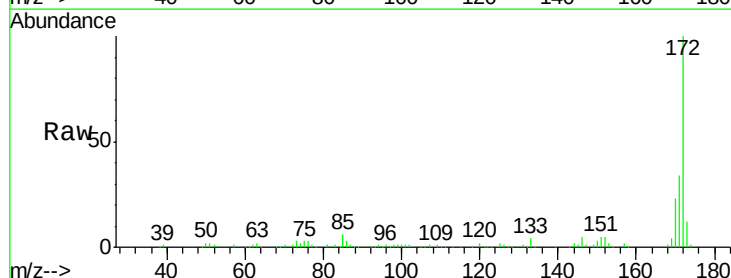
RT: 9.31 min Scan# 1186

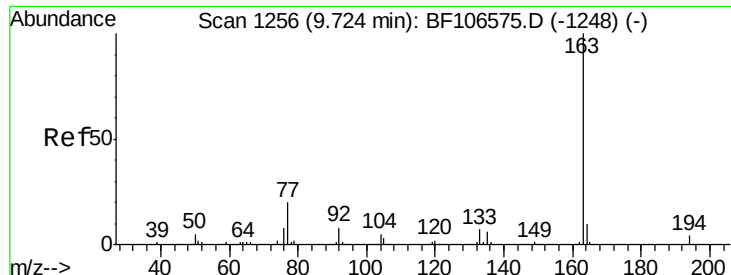
Delta R.T. -0.01 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Tgt Ion:	172	Resp:	201956
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.7	44.5
170	23.3	19.6	29.4





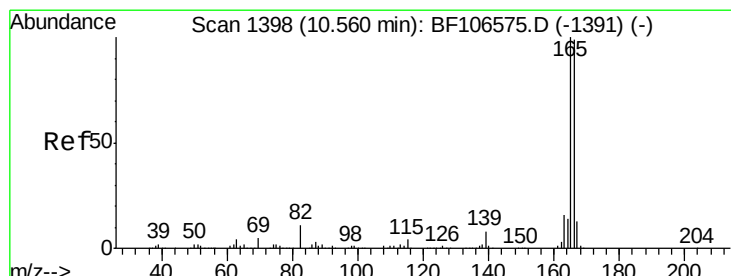
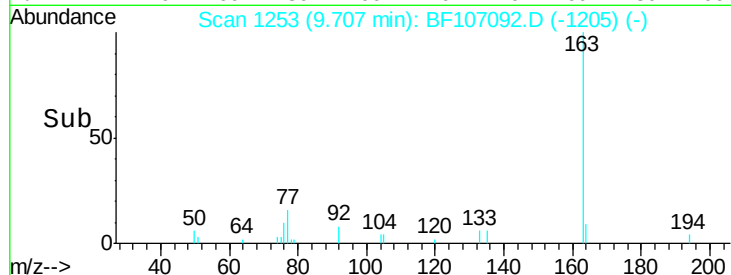
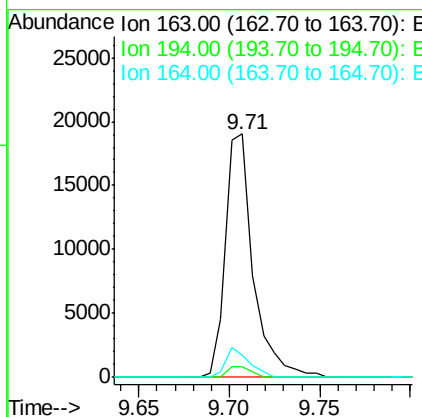
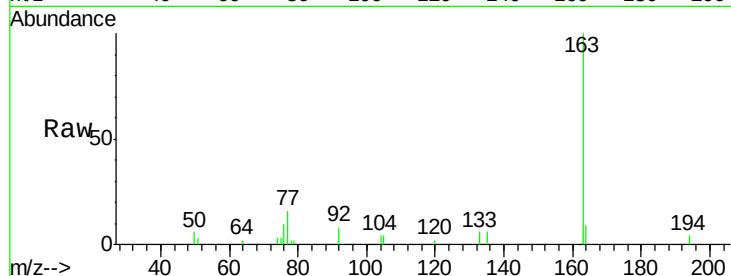
#49
Dimethylphthalate
Concen: 3.555 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	20350		
194	4.2		2.7	4.1#
164	9.2		8.2	12.2

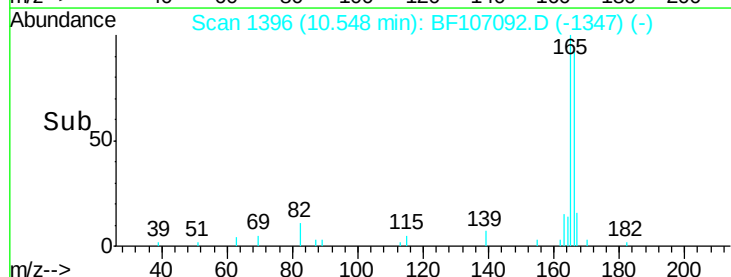
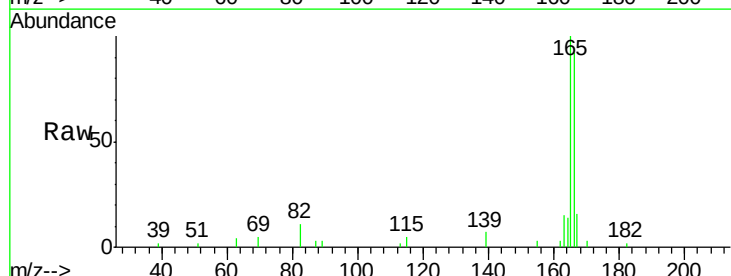
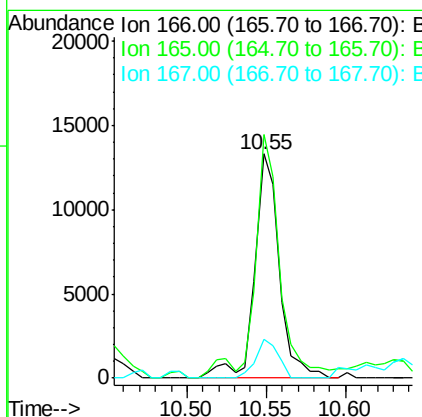
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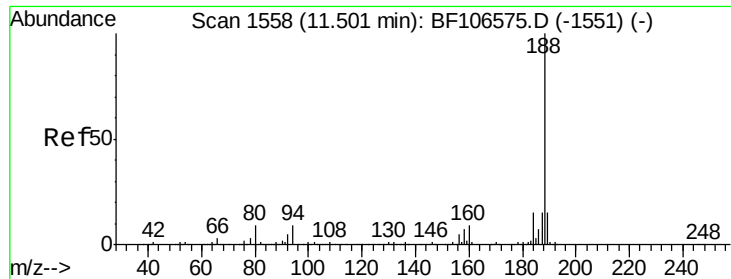
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#57
Fluorene
Concen: 2.803 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	14501		
165	108.5		79.8	119.8
167	17.1		10.6	16.0#





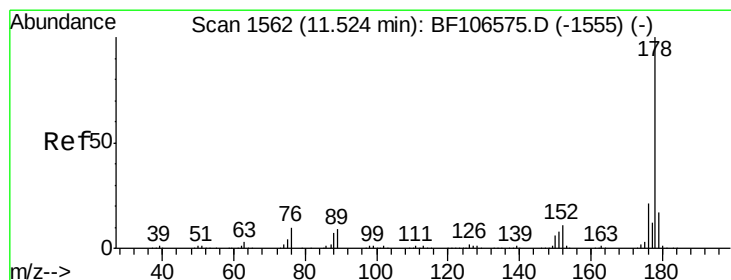
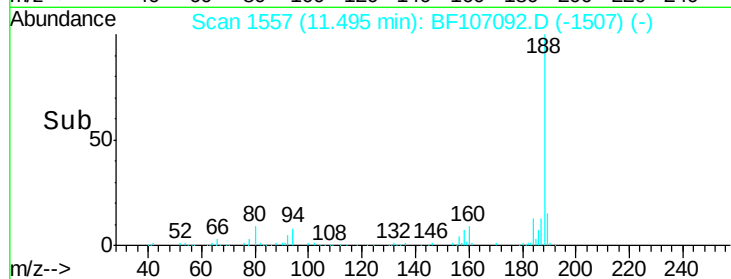
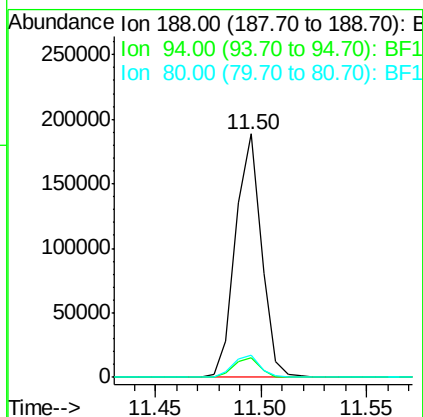
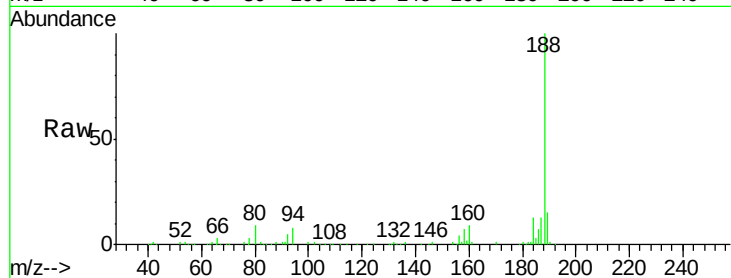
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	9.0	9.2	13.8#

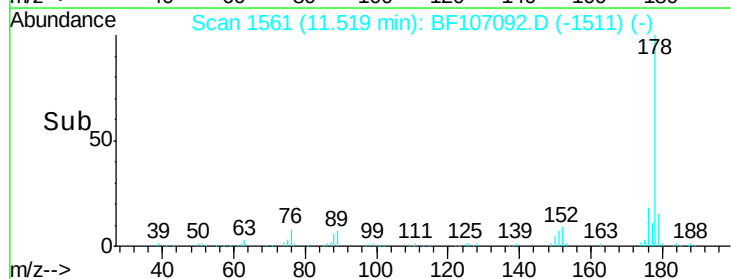
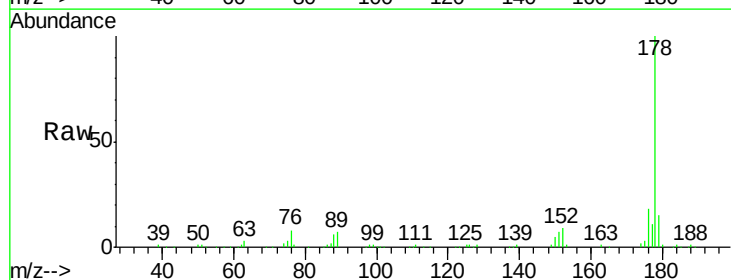
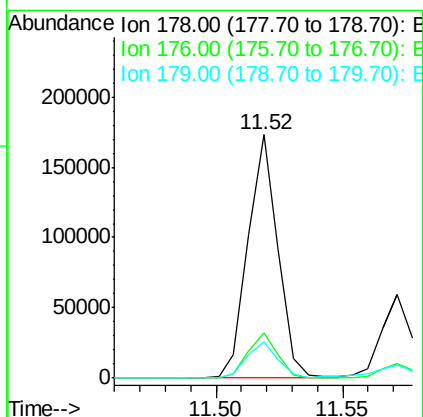
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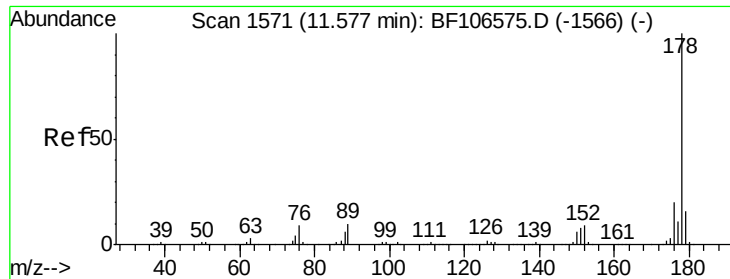
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#70
Phenanthrene
Concen: 18.540 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.0	13.0	19.6





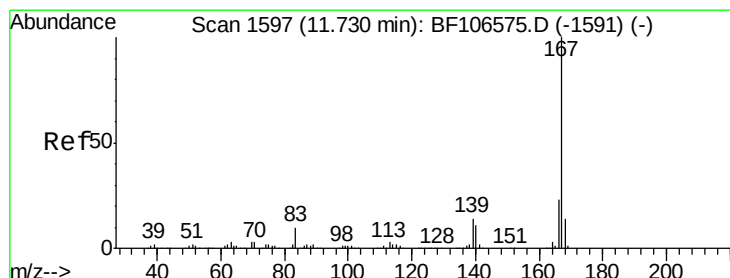
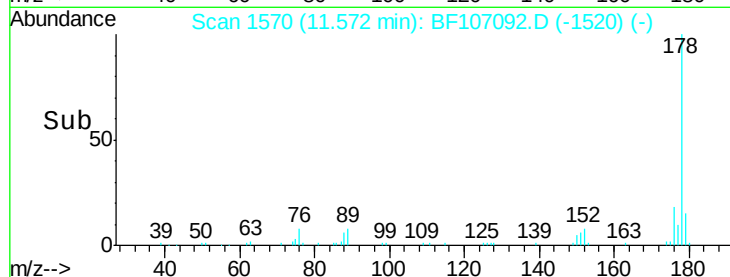
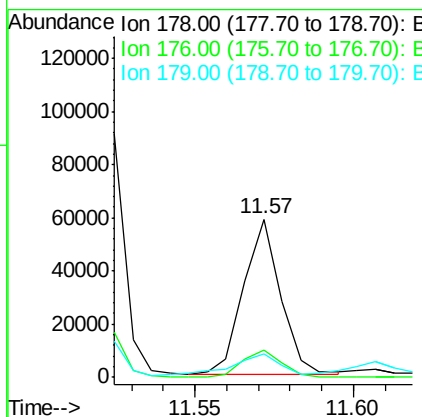
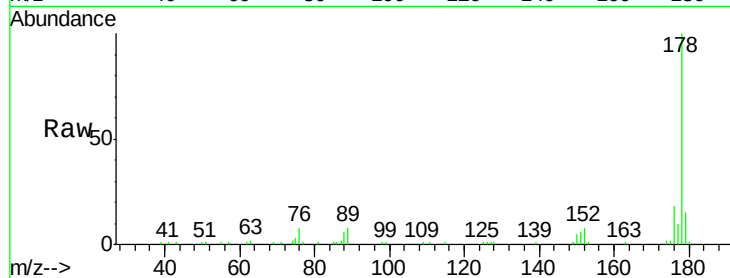
#71
 Anthracene
 Concen: 6.078 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.2	12.6	19.0

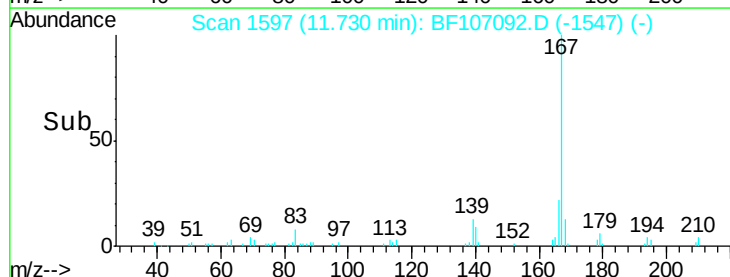
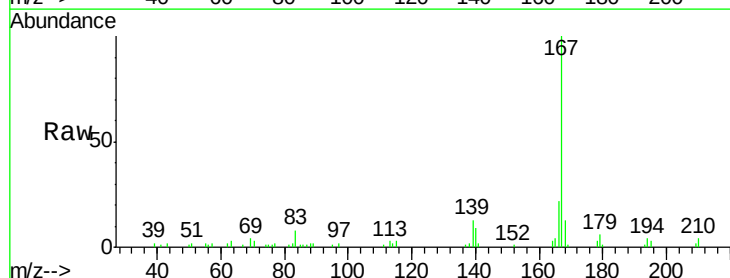
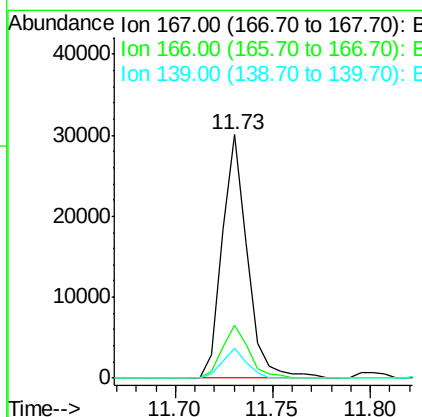
Manual Integrations
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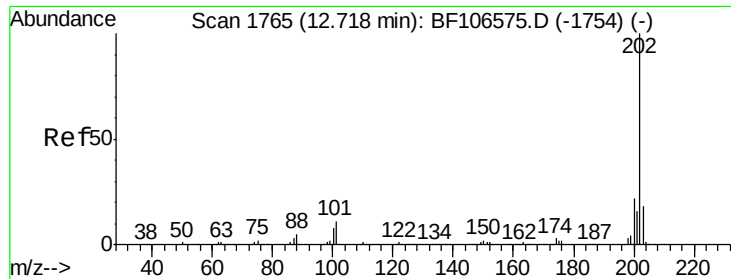
Sohil
 7/5/2018 1:04:39 PM



#72
 Carbazole
 Concen: 3.657 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 40.089 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

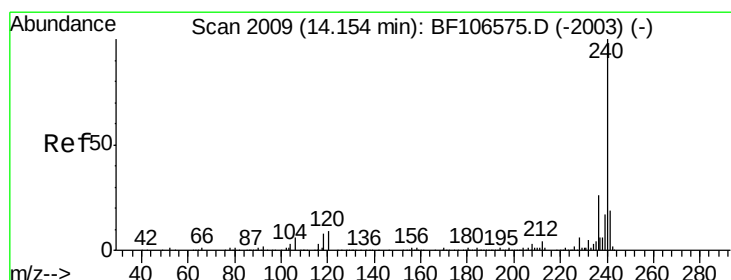
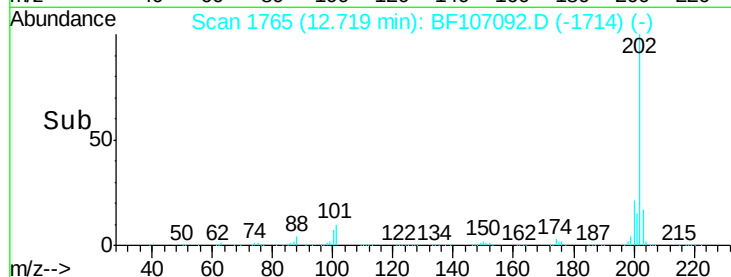
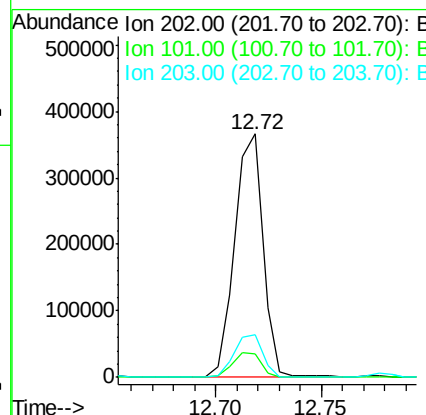
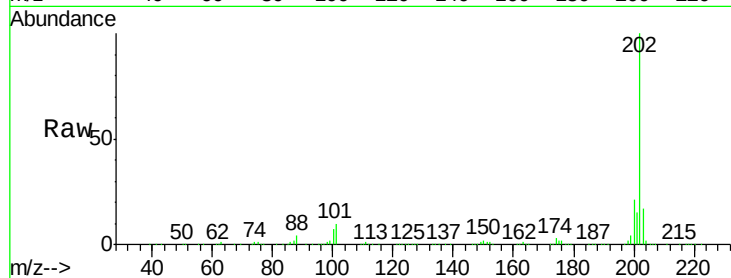
ClientSampleId :

CL-01-062918-A

Tot Ion:	202	Resp:	339746
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

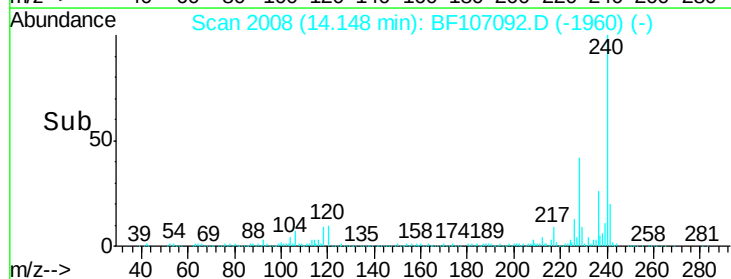
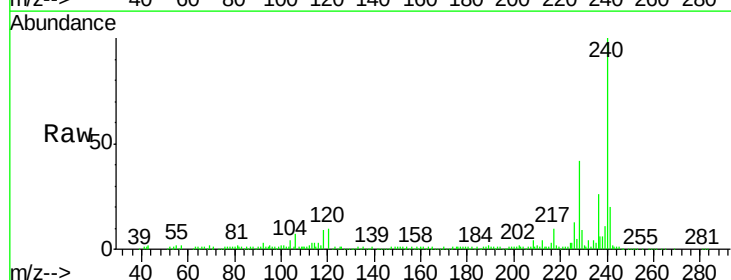
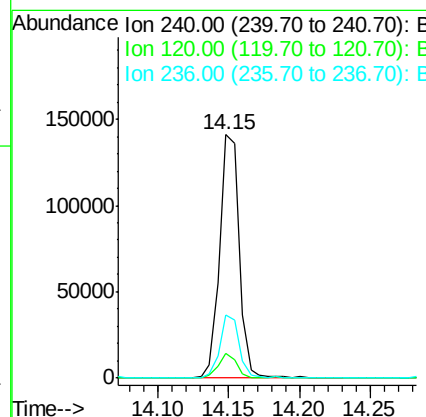
RT: 14.15 min Scan# 2008

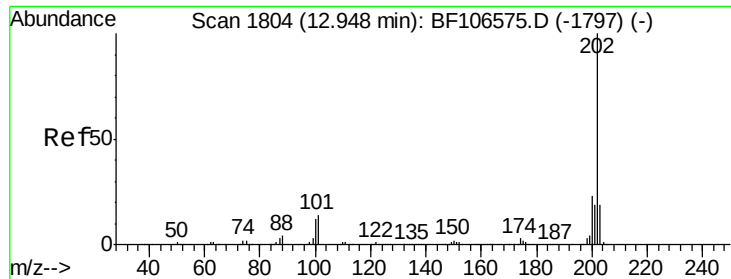
Delta R.T. -0.02 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Tgt Ion:	240	Resp:	135533
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 35.015 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107092.D

Acq: 3 Jul 2018 19:51

Instrument :

BNA_F

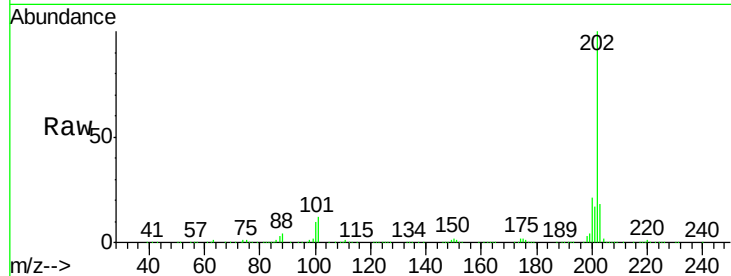
ClientSampleId :

CL-01-062918-A

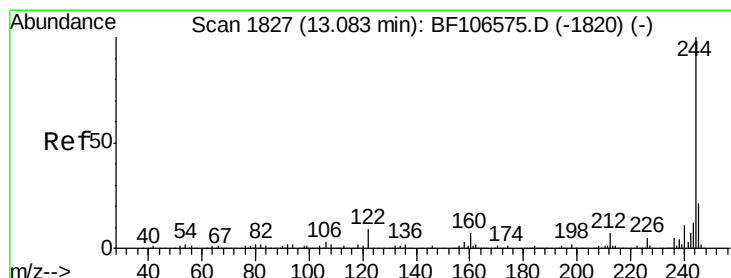
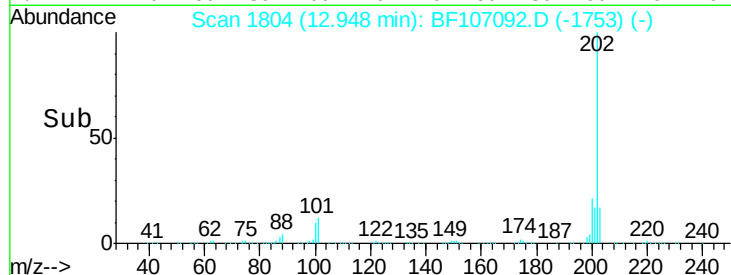
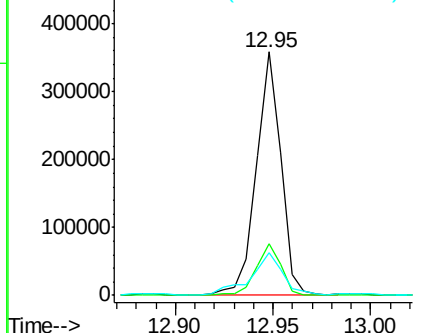
Tot Ion:	202	Resp:	312943
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.3	21.5

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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: 48.063 ng

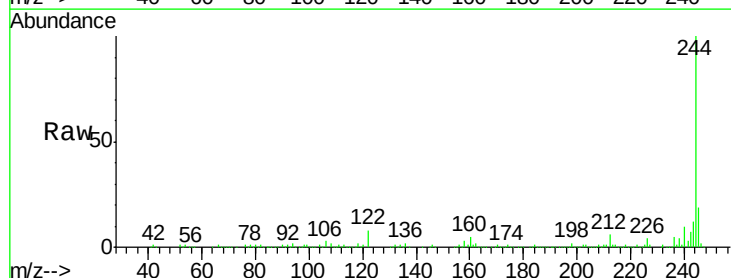
RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

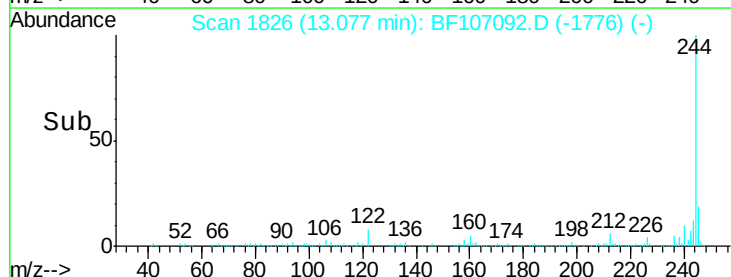
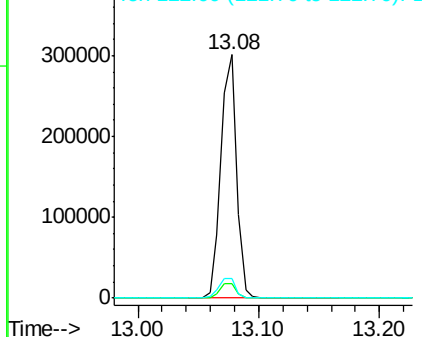
Lab File: BF107092.D

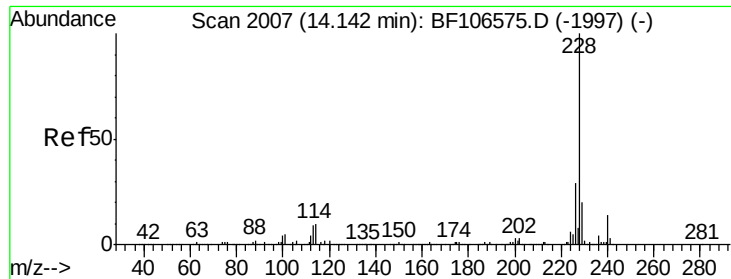
Acq: 3 Jul 2018 19:51

Tgt Ion:	244	Resp:	268923
Ion Ratio		Lower	Upper
244	100		
212	6.0	5.4	8.0
122	8.1	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





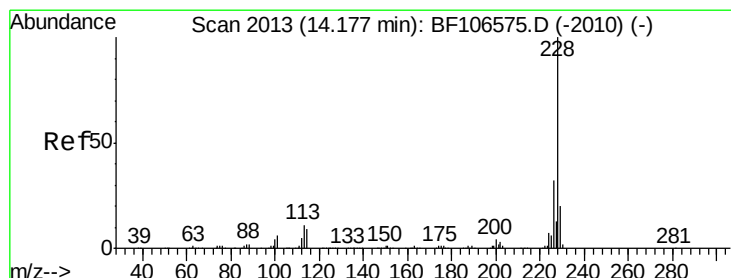
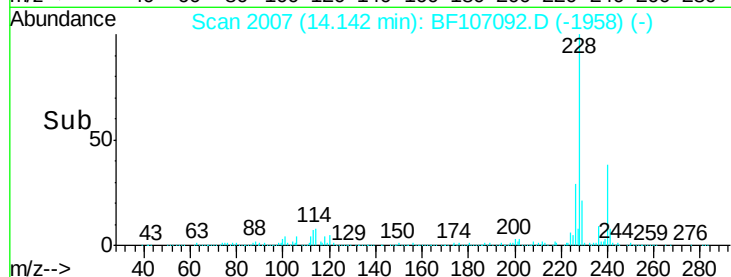
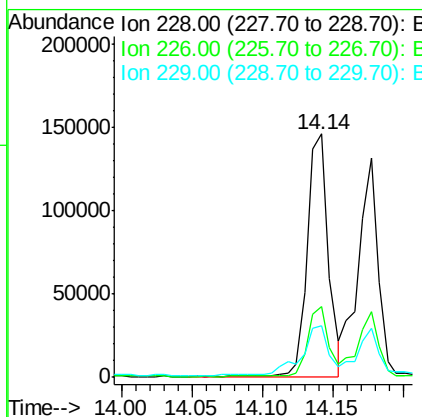
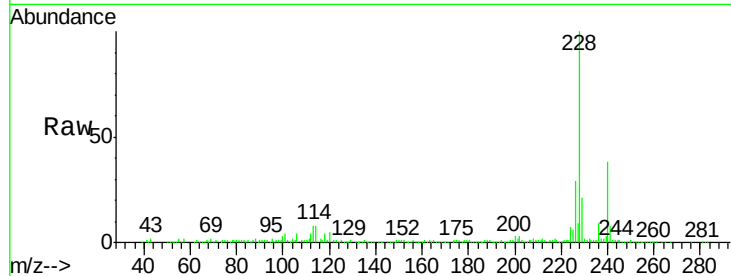
#80
Benzo(a)anthracene
Concen: 18.275 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Resp	Lower	Upper
228	100	150958		
226	28.9		22.6	33.8
229	21.4		15.8	23.6

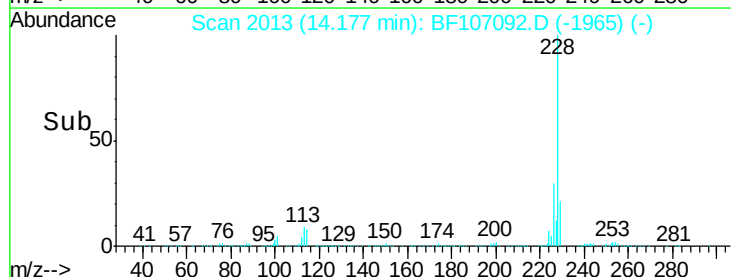
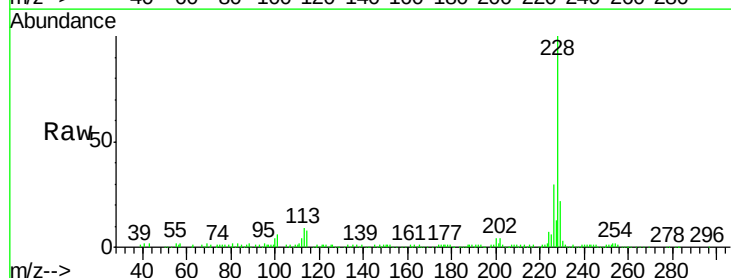
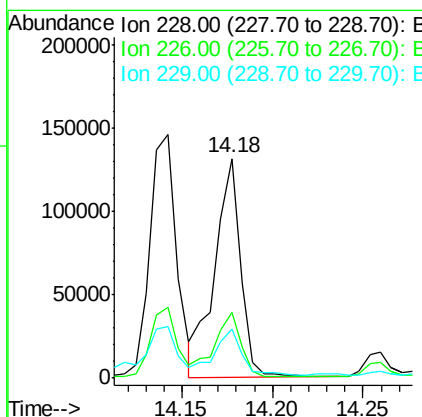
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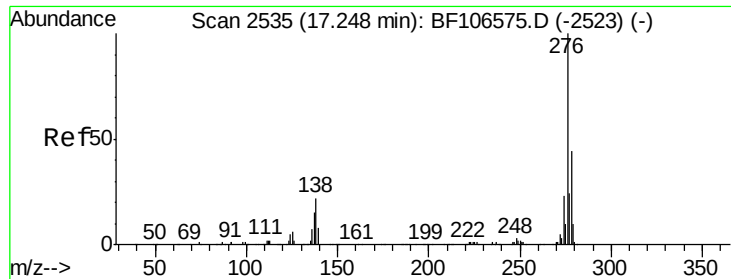
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#82
Chrysene
Concen: 17.196 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	130679		
226	29.9		25.0	37.6
229	22.3		16.2	24.4





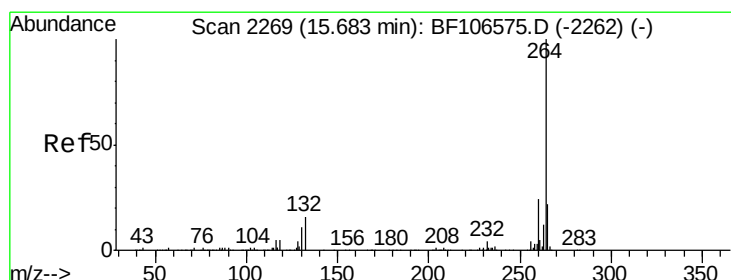
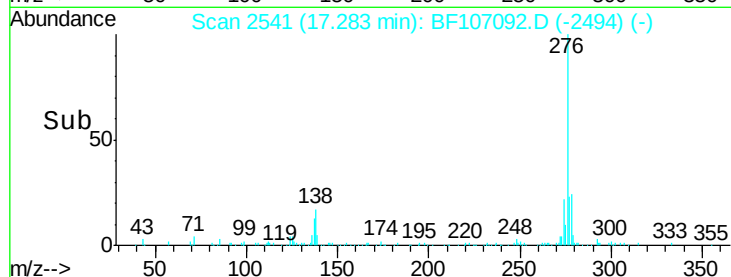
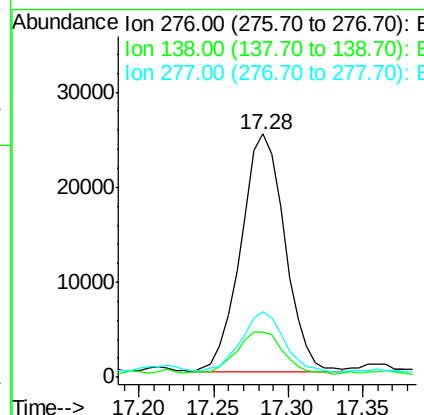
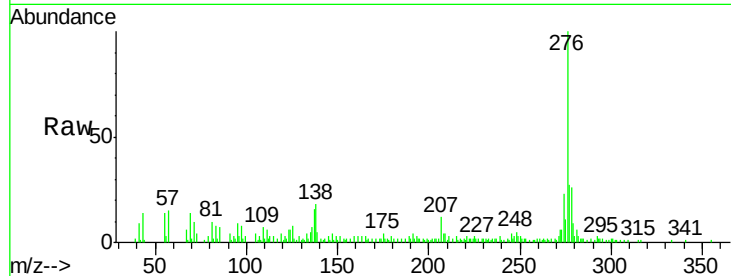
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.910 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. -0.02 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.0	37.6#
277	24.8	20.1	30.1

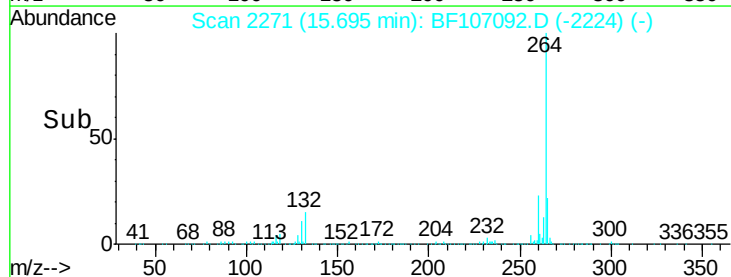
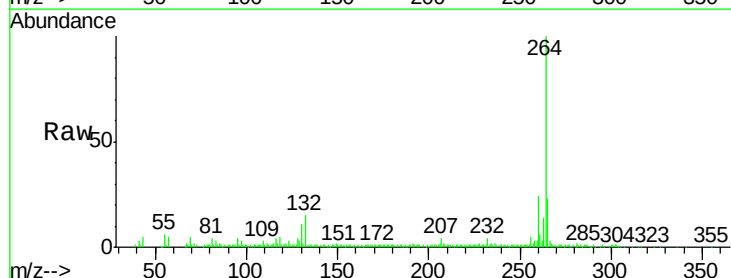
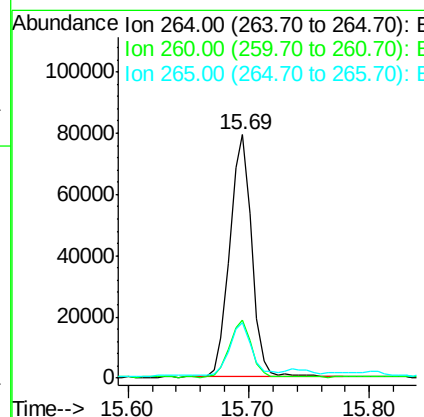
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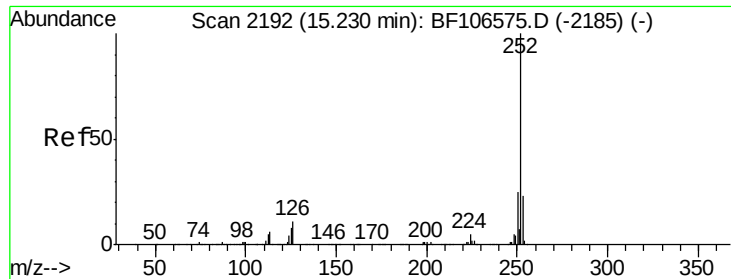
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.9	17.5	26.3





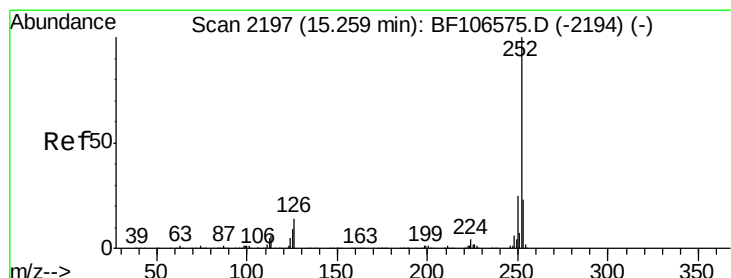
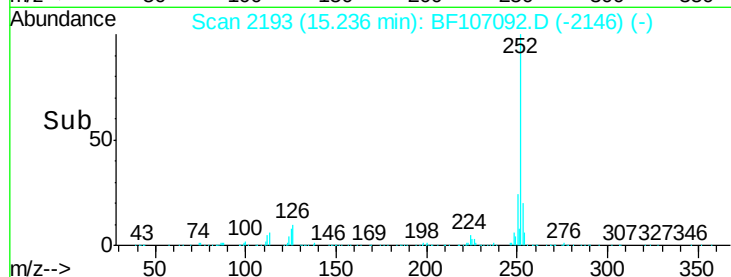
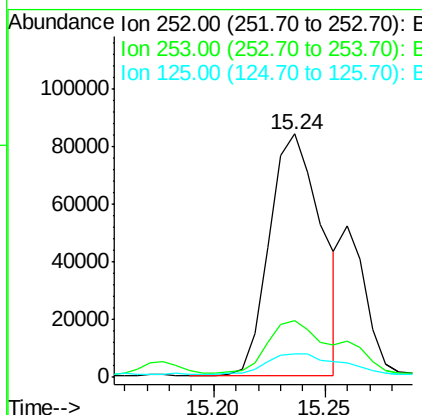
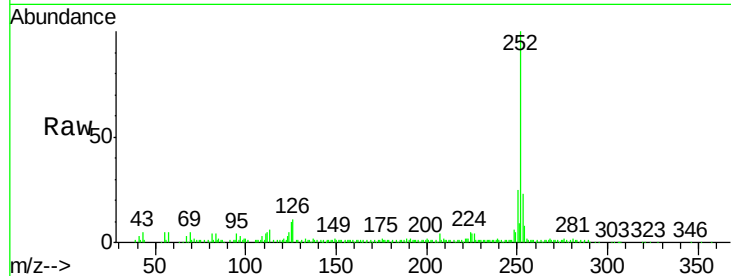
#87
Benzo(b)fluoranthene
Concen: 21.898 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	9.6	9.0	13.6

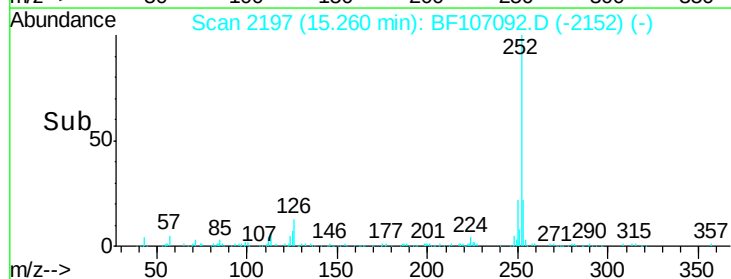
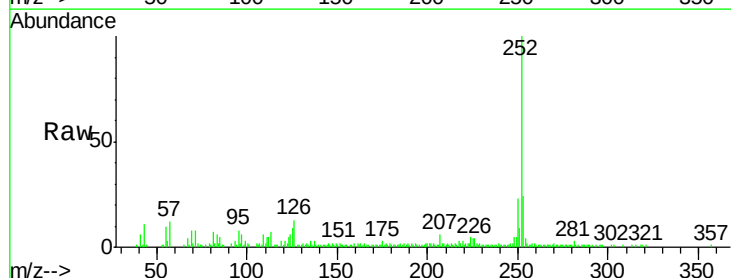
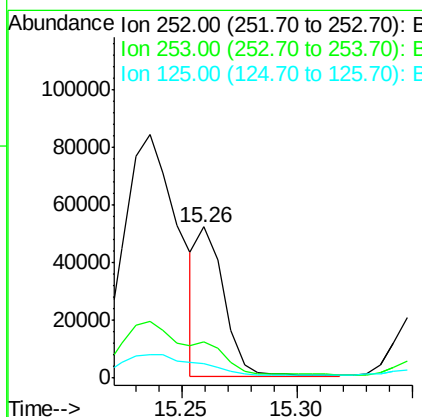
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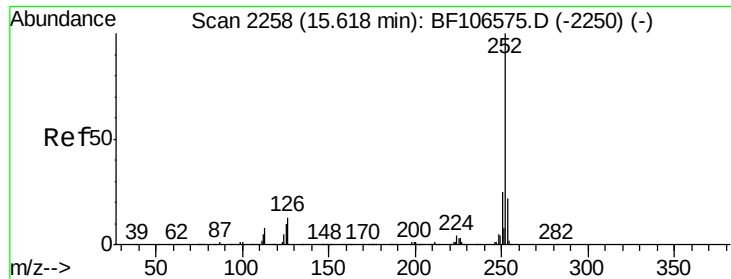
Sohil
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#88
Benzo(k)fluoranthene
Concen: 6.935 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	9.3	10.2	15.2#





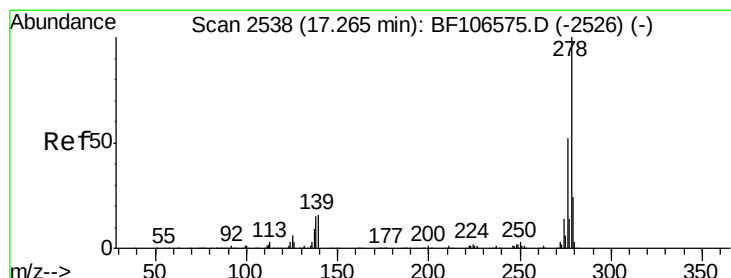
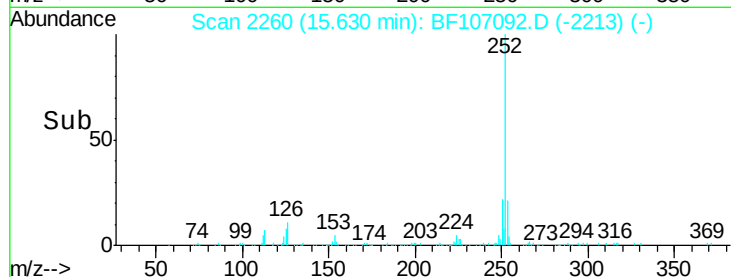
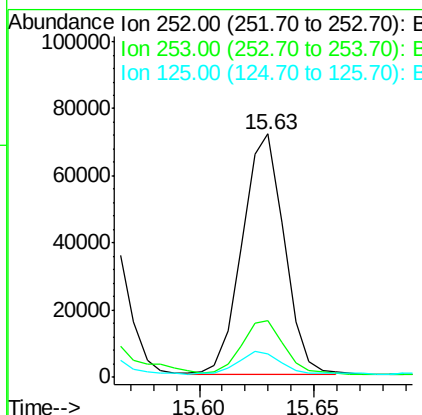
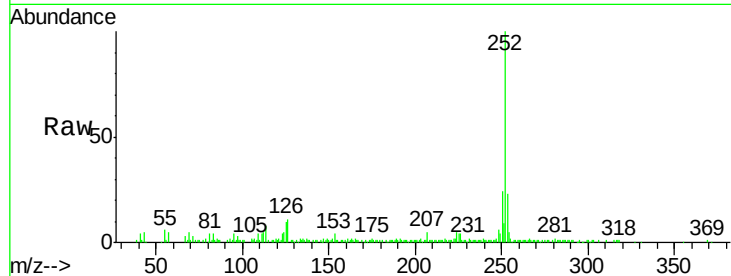
#89
Benzo(a)pyrene
Concen: 16.280 ng/mL
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Instrument :
BNA_F
ClientSampleId :
CL-01-062918-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	9.7	9.8	14.6

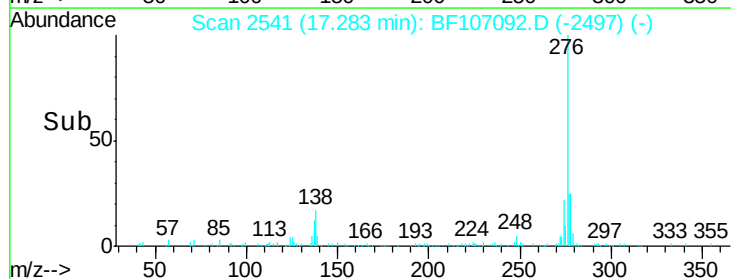
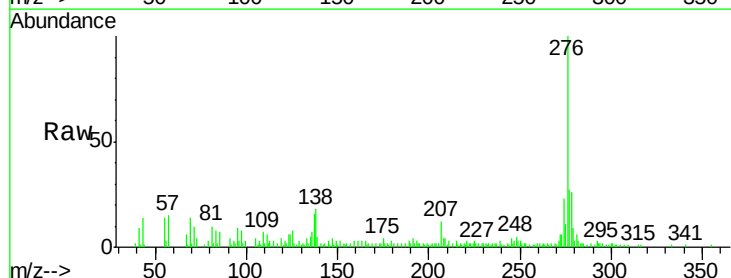
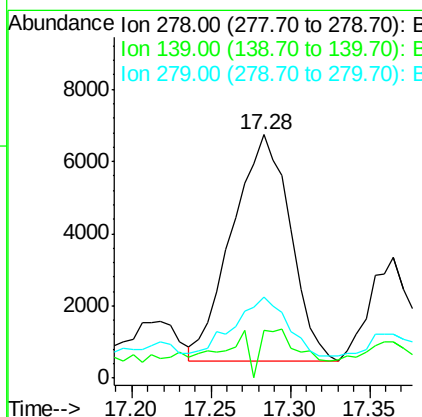
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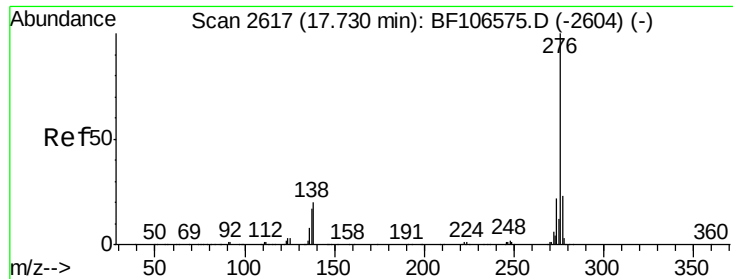
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#90
Dibenzo(a,h)anthracene
Concen: 3.383 ng/mL
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF107092.D
Acq: 3 Jul 2018 19:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	33.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.983 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF107092.D
 Acq: 3 Jul 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-062918-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	25.8	17.9	26.9		
138	20.7	21.8	32.8		

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