

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
 Data File : BF107449.D
 Acq On : 17 Jul 2018 15:10
 Operator : JU/SJ
 Sample : J3829-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071318-C

Manual Integrations
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Sohil
 7/18/2018 10:44:03 AM

Quant Time: Jul 17 18:34:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	144731	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	549073	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	273609	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	511162	20.00	ng	0.00
75) Chrysene-d12	14.18	240	362326	20.00	ng	0.00
86) Perylene-d12	15.72	264	282246	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	364165	38.21	ng	0.00
7) Phenol-d6	6.61	99	482963	39.20	ng	0.00
23) Nitrobenzene-d5	7.54	82	327393	31.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	103513	43.06	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	581904	28.22	ng	0.00
78) Terphenyl-d14	13.11	244	501979	34.42	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.29	128	94435	3.541	ng	97
37) 2-Methylnaphthalene	8.98	142	45331	2.579	ng	# 85
48) Acenaphthylene	9.89	152	131991	5.062	ng	95
49) Dimethylphthalate	9.74	163	111355	5.122	ng	96
51) Acenaphthene	10.06	154	75647	4.376	ng	98
54) Dibenzofuran	10.24	168	118473	4.435	ng	# 95
57) Fluorene	10.58	166	180927	10.227	ng	# 96
70) Phenanthrene	11.55	178	1188139	46.641	ng	97
71) Anthracene	11.60	178	462355	18.223	ng	97
72) Carbazole	11.75	167	96504	4.017	ng	# 86
74) Fluoranthene	12.75	202	1517382	52.407	ng	94
77) Pyrene	12.98	202	1377294	55.899	ng	99
80) Benzo(a)anthracene	14.17	228	789785	35.625	ng	95
82) Chrysene	14.21	228	684296	32.313	ng	99
85) Indeno(1,2,3-cd)pyrene	17.31	276	223598	14.833	ng	# 88
87) Benzo(b)fluoranthene	15.26	252	690563m	41.801	ng	
88) Benzo(k)fluoranthene	15.29	252	283841m	17.605	ng	
89) Benzo(a)pyrene	15.65	252	497143m	32.786	ng	
90) Dibenzo(a,h)anthracene	17.31	278	58018	5.070	ng	95
91) Benzo(a,h,i)perylene	17.79	276	212340	18.261	ng	95

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

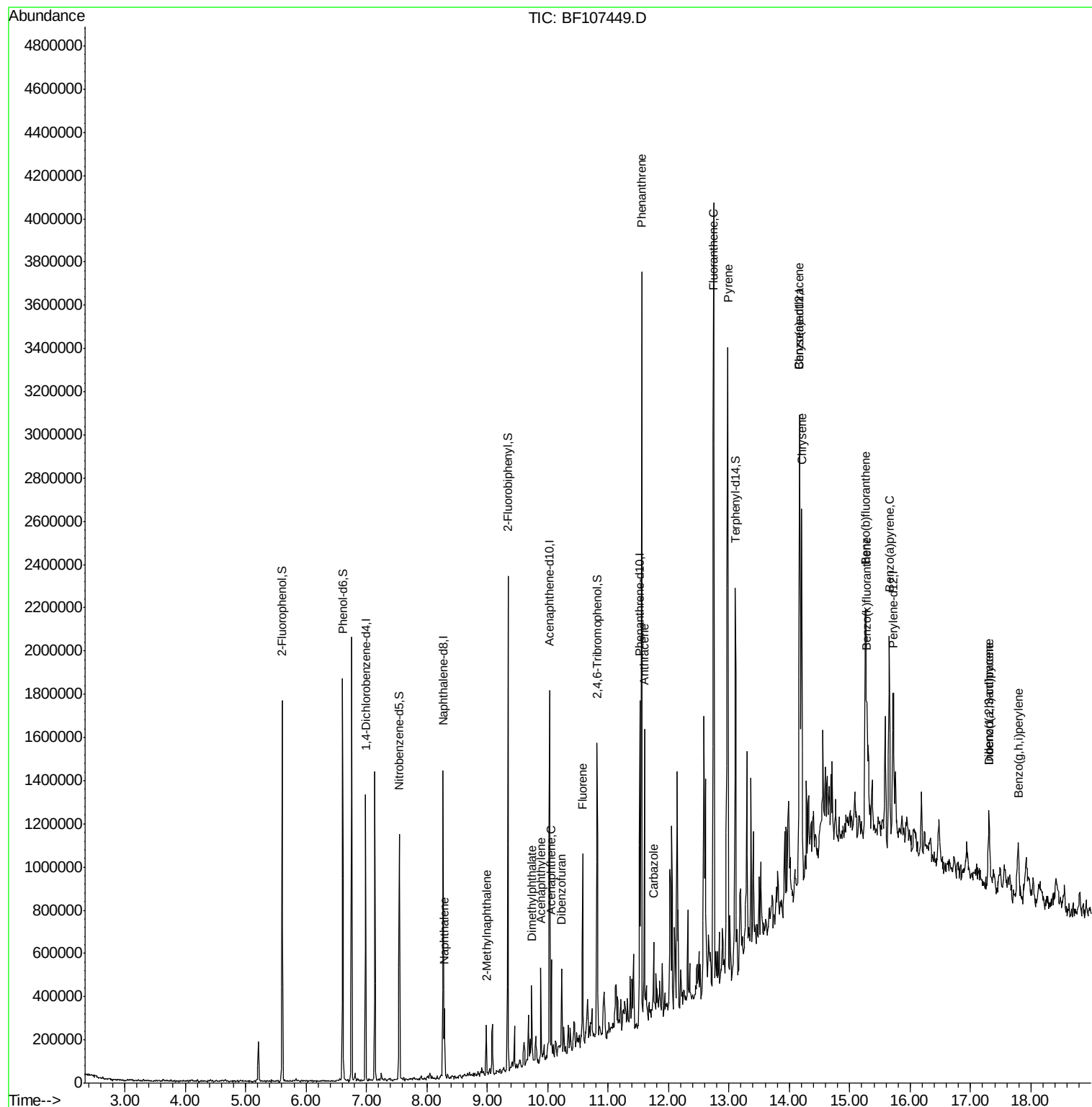
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

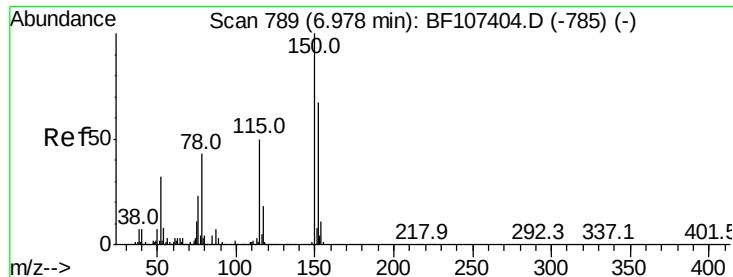
Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Quant Time: Jul 17 18:34:09 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 17 11:29:08 2018
Response via : Initial Calibration

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#1

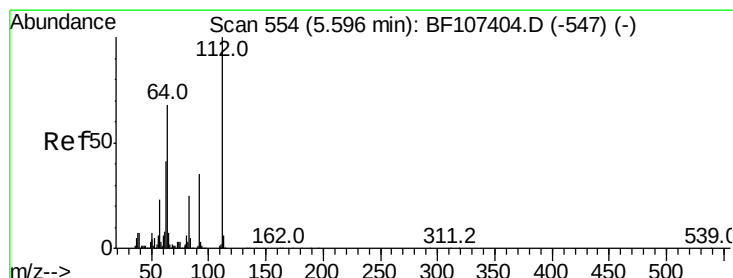
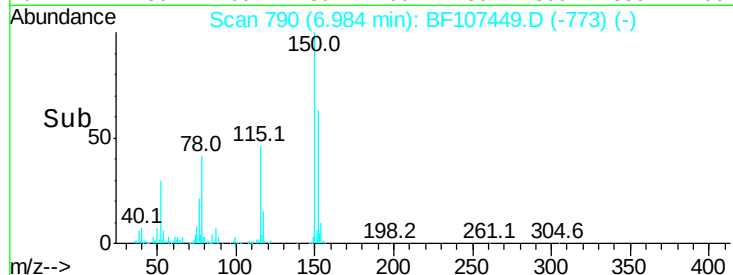
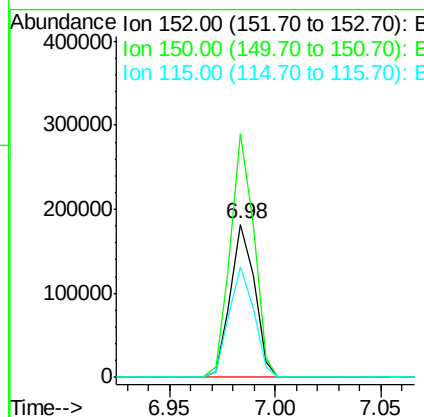
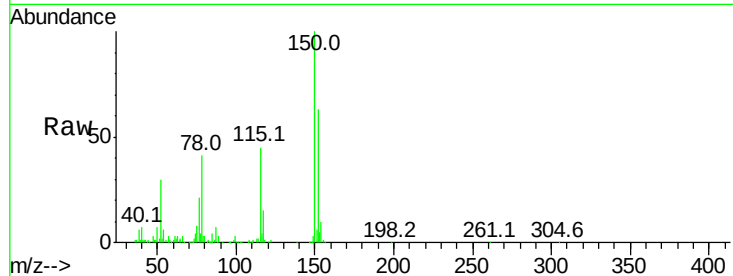
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	72.4	50.1	75.1

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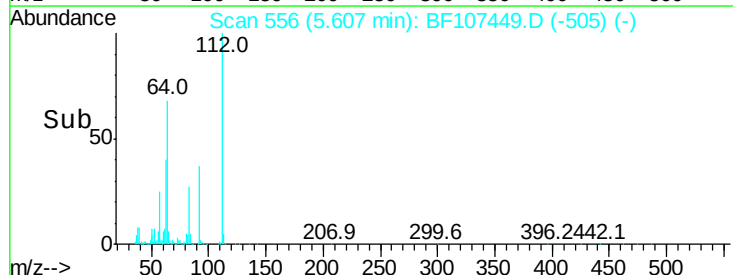
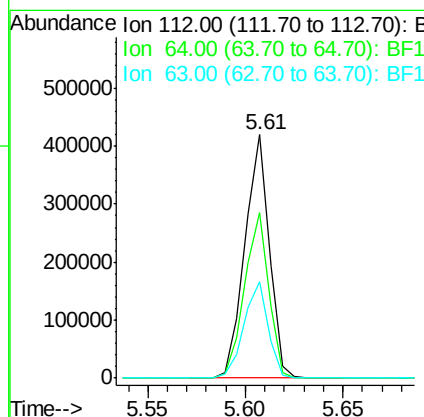
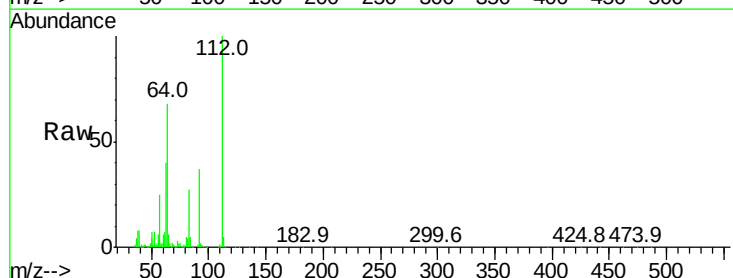
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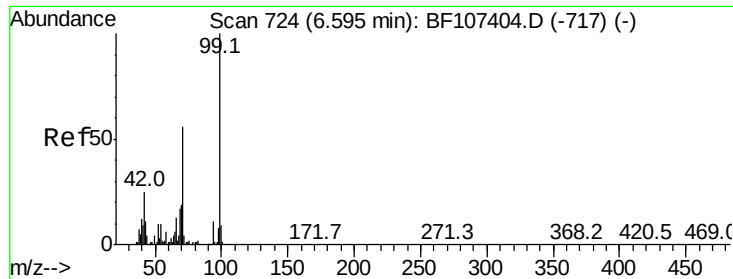


#5

2-Fluorophenol
Concen: 38.214 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	47.9	71.9
63	39.5	23.7	35.5





#7

Phenol-d6

Concen: 39.199 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Instrument :

BNA_F

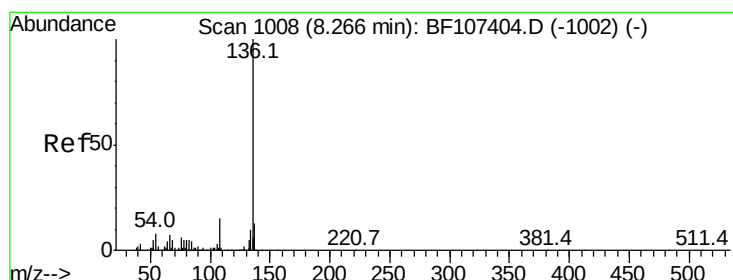
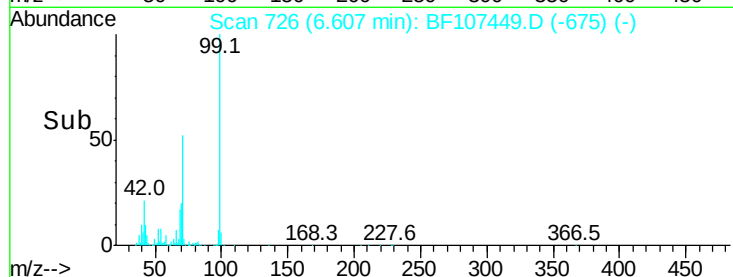
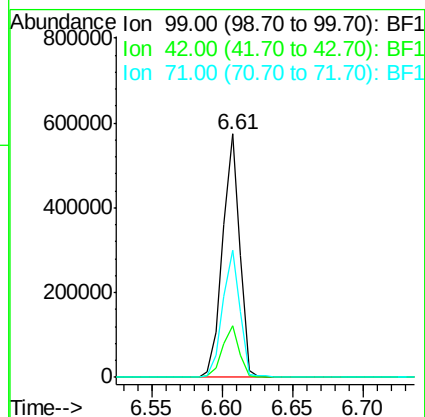
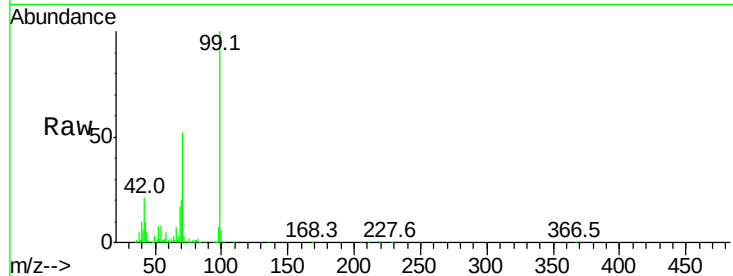
ClientSampleId :

PL-01-071318-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		482963		
42	21.3	14.5	21.7		
71	52.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

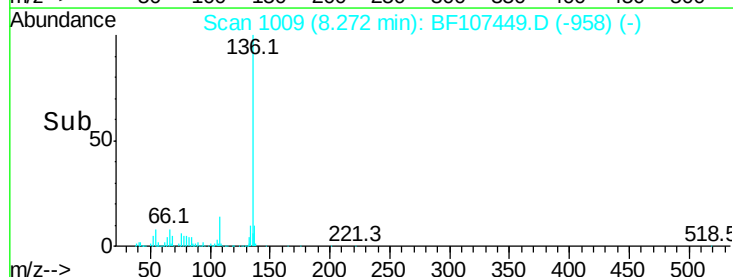
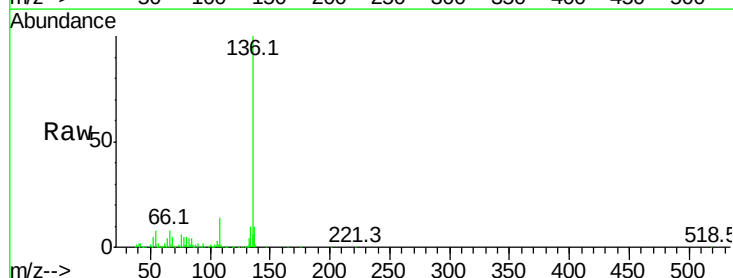
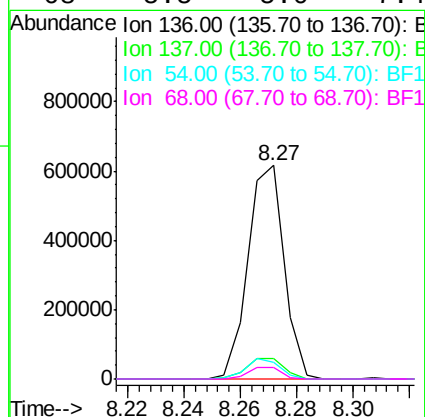
RT: 8.27 min Scan# 1009

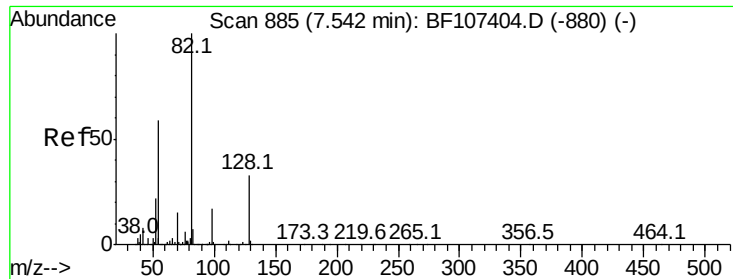
Delta R.T. 0.00 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		549073		
137	9.8	8.9	13.3		
54	7.7	6.6	9.8		
68	5.5	5.0	7.4		





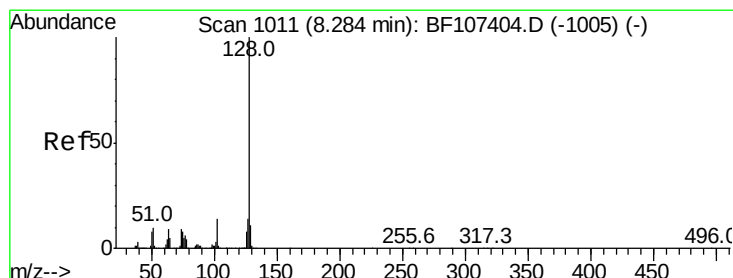
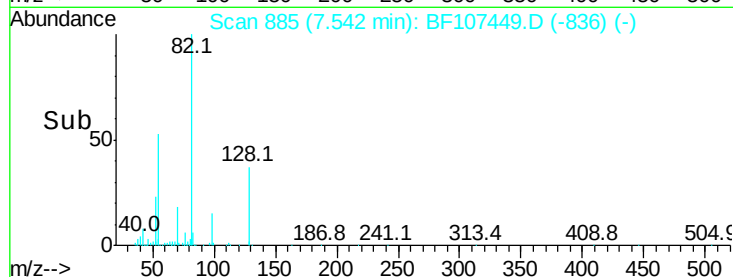
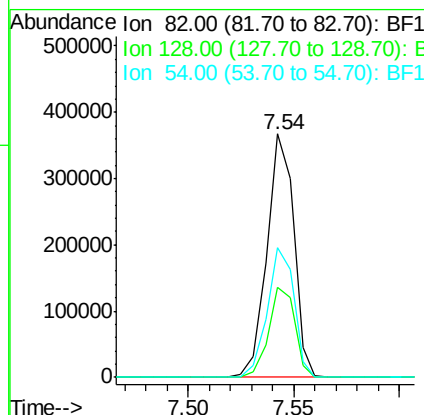
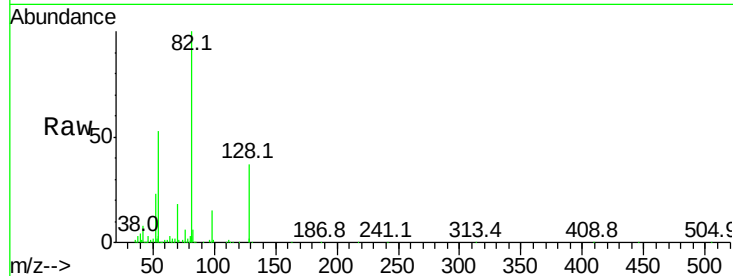
#23
Nitrobenzene-d5
Concen: 31.795 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	37.1	36.1	54.1
54	53.3	41.4	62.2

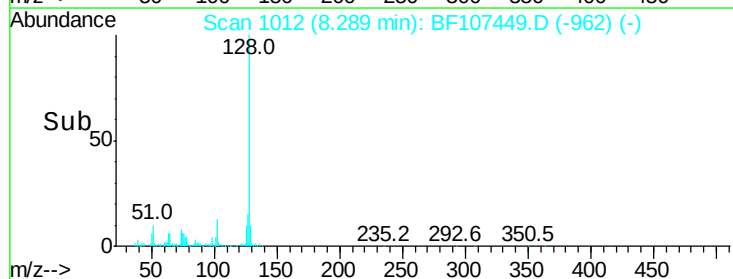
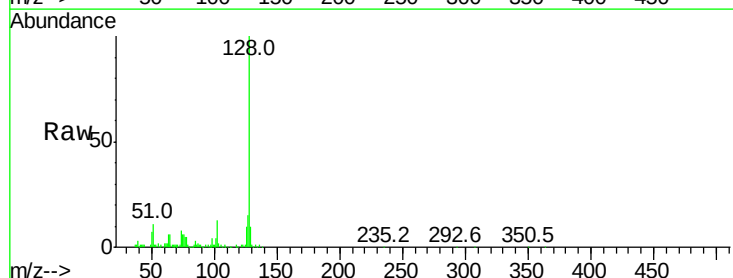
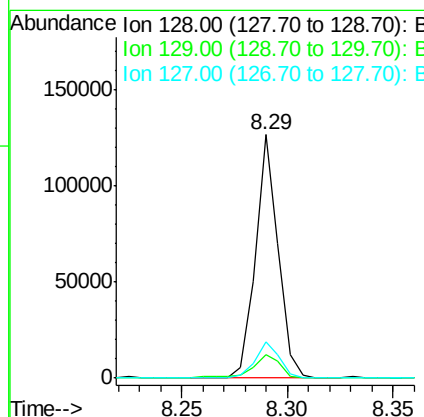
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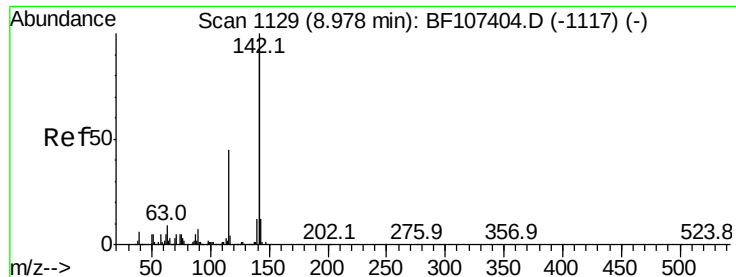
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#31
Naphthalene
Concen: 3.541 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	9.8	8.8	13.2
127	14.6	10.9	16.3





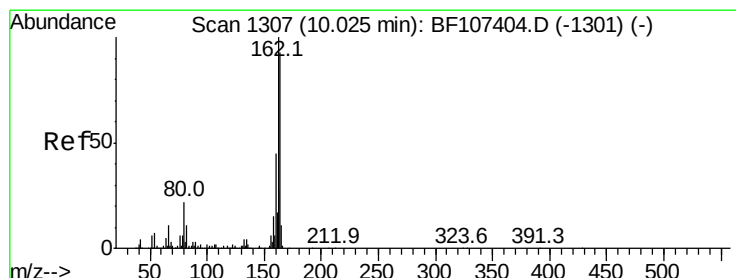
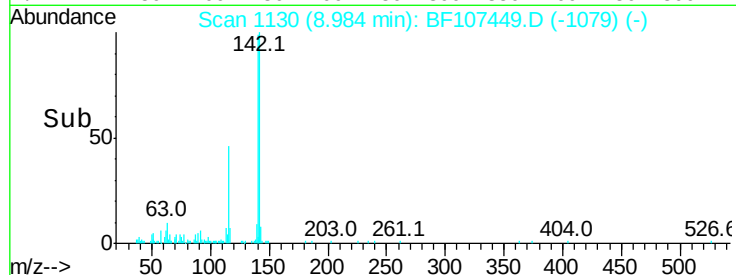
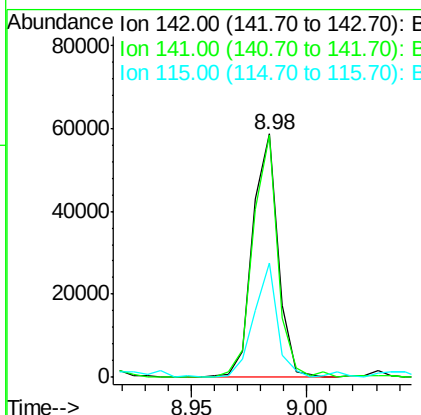
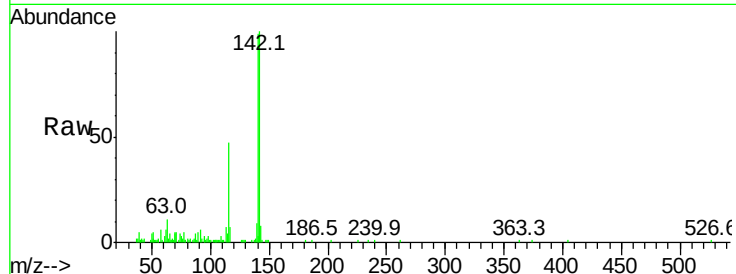
#37
2-Methylnaphthalene
Concen: 2.579 ng
RT: 8.98 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	99.3	70.8	106.2
115	46.8	26.1	39.1

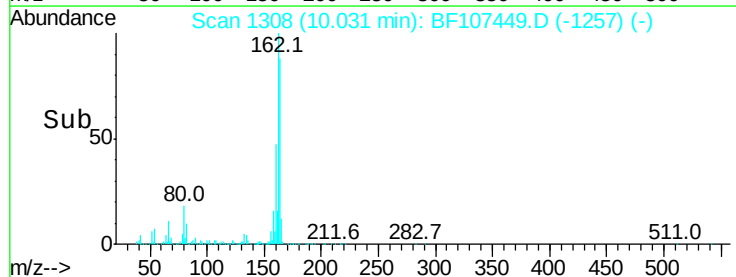
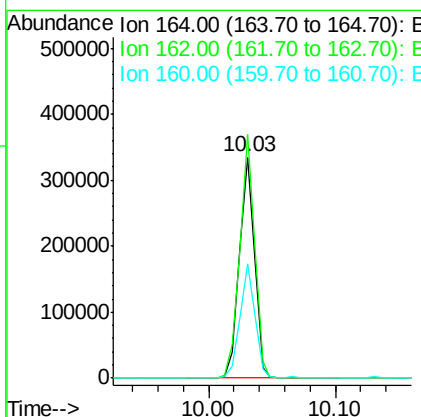
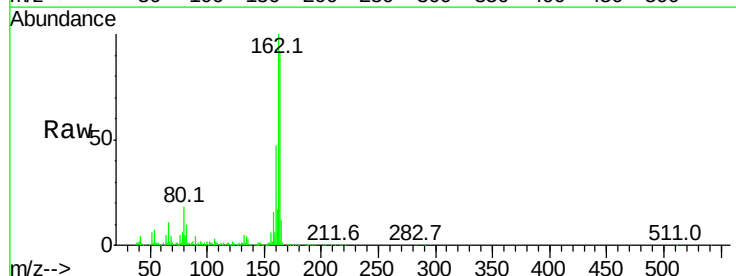
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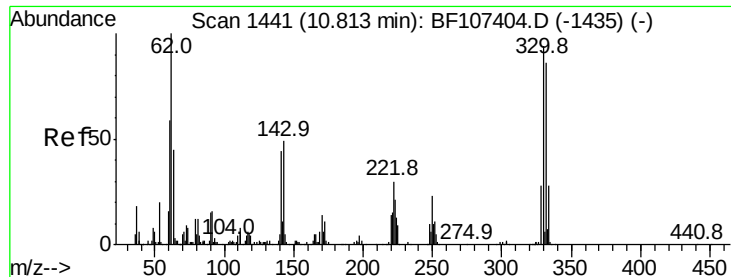
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.4	86.1	129.1
160	51.6	38.3	57.5





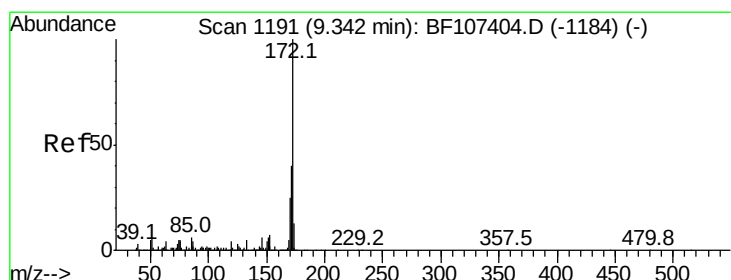
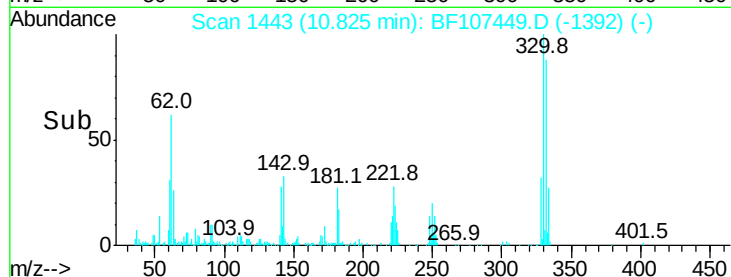
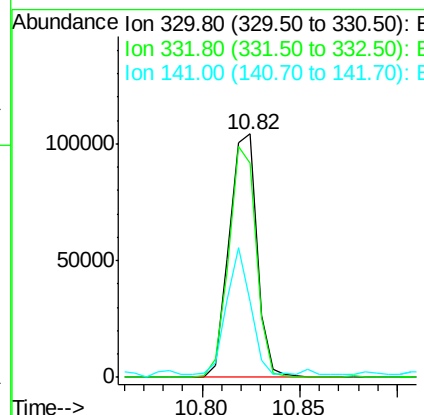
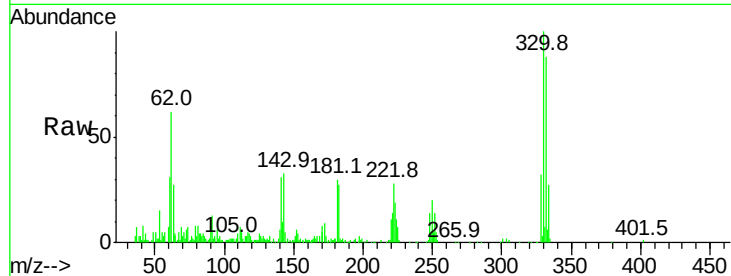
#41
2,4,6-Tribromophenol
Concen: 43.059 ng
RT: 10.82 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.6
141	44.7	29.9	44.9

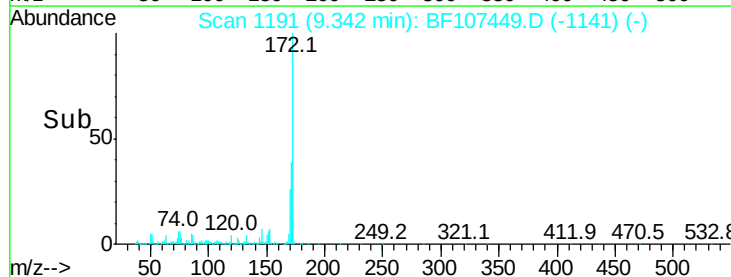
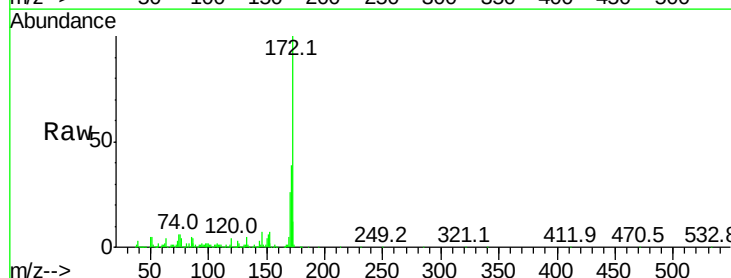
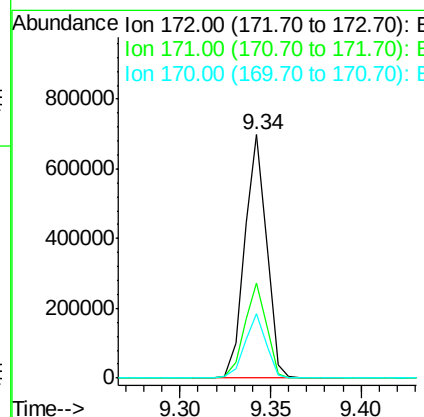
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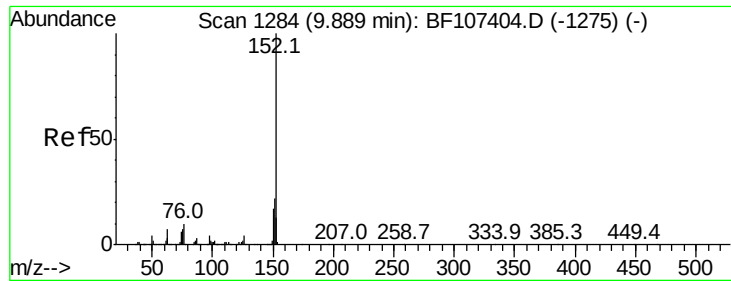
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#44
2-Fluorobiphenyl
Concen: 28.220 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.1	29.7	44.5
170	26.4	19.6	29.4





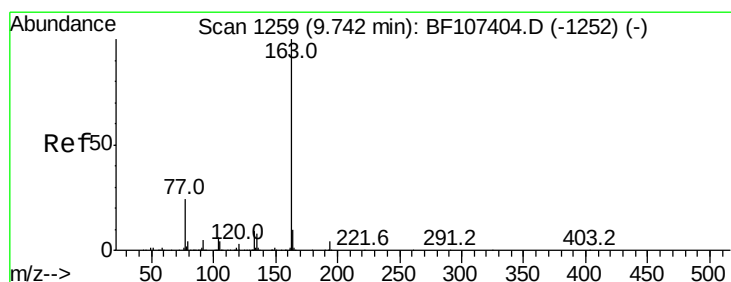
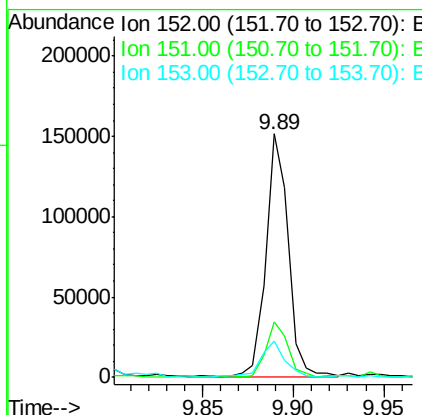
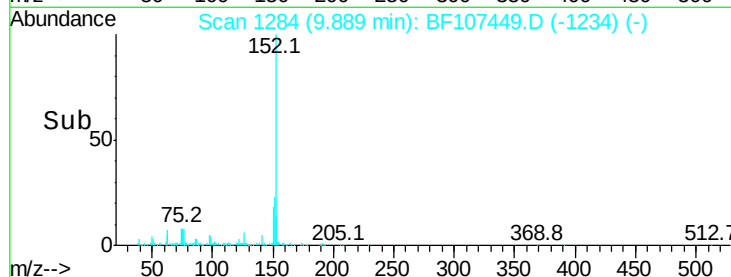
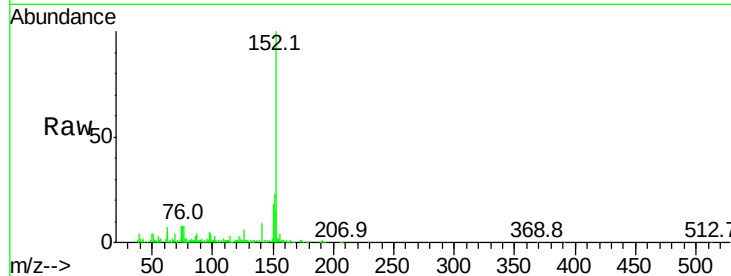
#48
Acenaphthylene
Concen: 5.062 ng
RT: 9.89 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.9	16.3	24.5
153	14.9	10.7	16.1

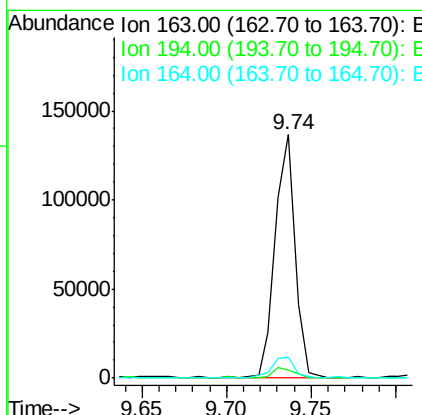
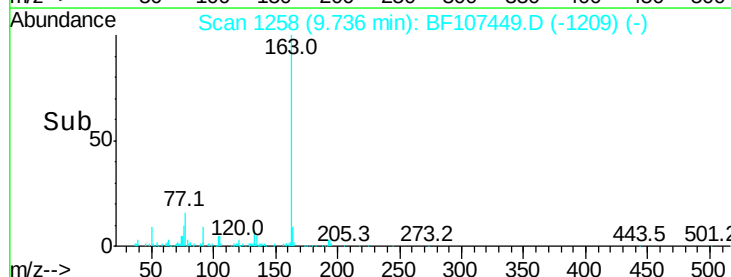
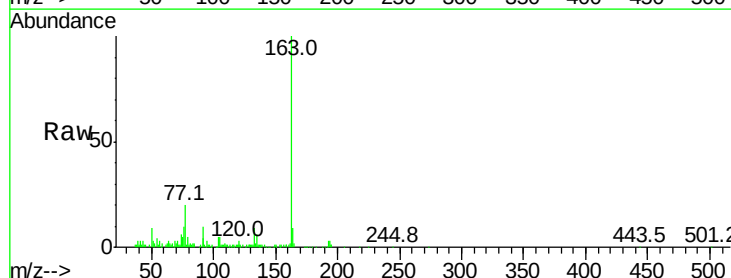
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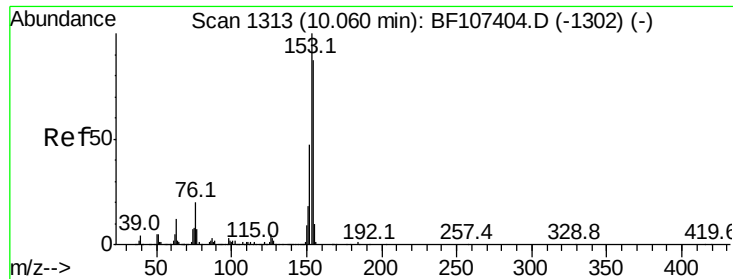
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#49
Dimethylphthalate
Concen: 5.122 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	8.5	8.2	12.2





#51

Acenaphthene

Concen: 4.376 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Instrument :

BNA_F

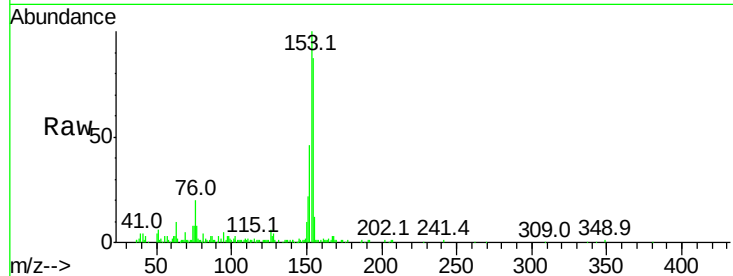
ClientSampleId :

PL-01-071318-C

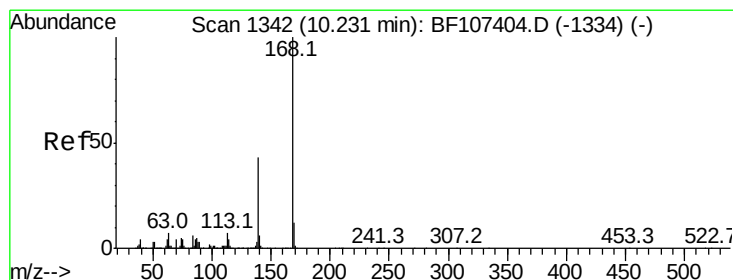
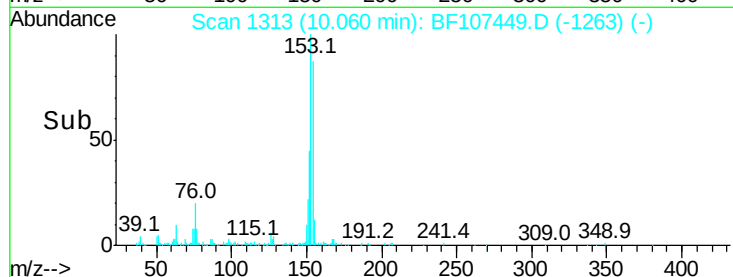
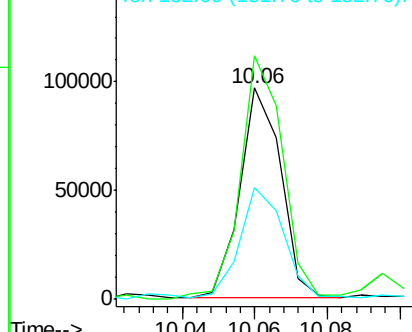
Tot Ion:	154	Resp:	75647
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.2	136.8
152	52.9	43.8	65.8

Manual Integrations
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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



#54

Dibenzofuran

Concen: 4.435 ng

RT: 10.24 min Scan# 1343

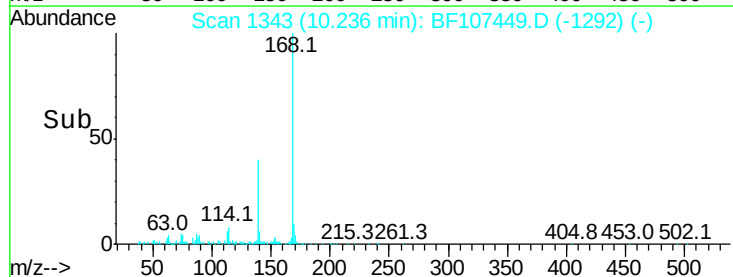
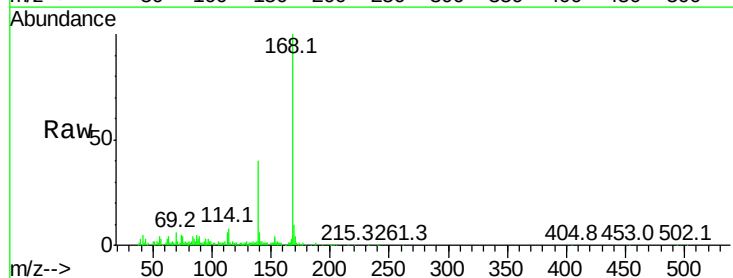
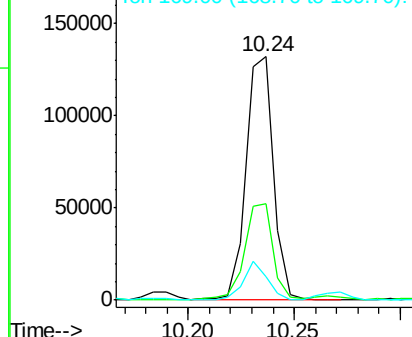
Delta R.T. 0.00 min

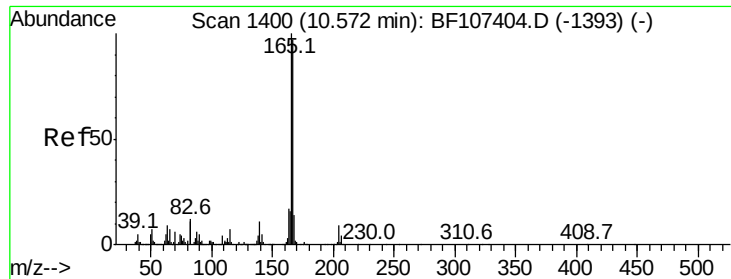
Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Tgt Ion:	168	Resp:	118473
Ion Ratio	Lower	Upper	
168	100		
139	39.6	30.1	45.1
169	9.6	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 10.227 ng

RT: 10.58 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Instrument :

BNA_F

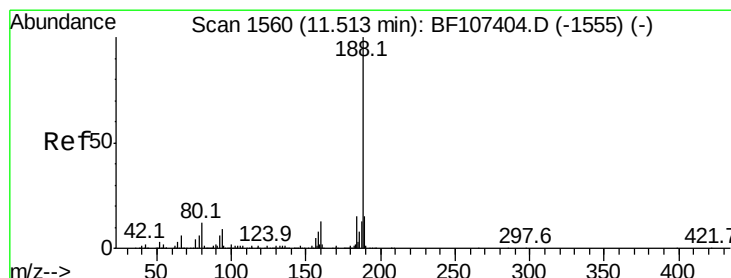
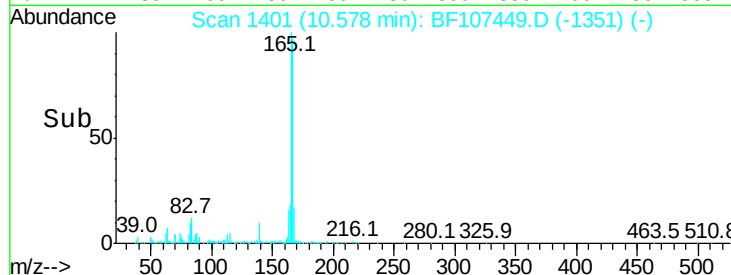
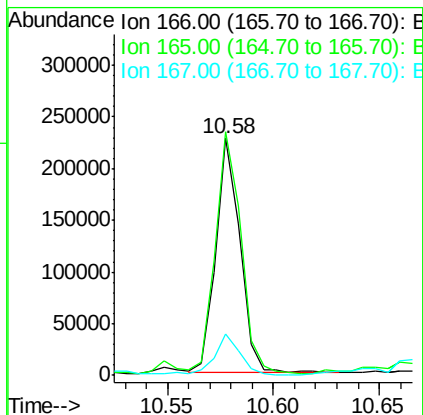
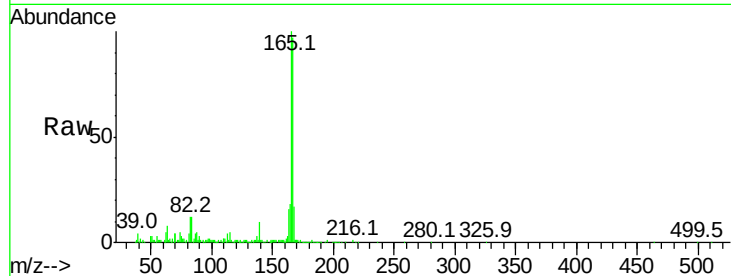
ClientSampleId :

PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.8	79.8	119.8
167	17.5	10.6	16.0

Manual Integrations
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Sohil
7/18/2018 10:44:03 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

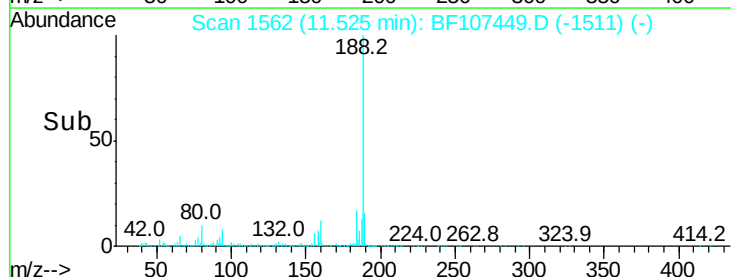
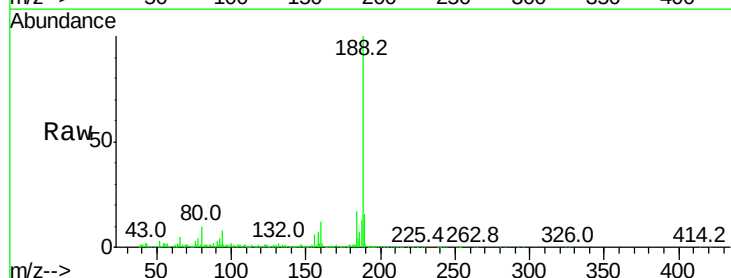
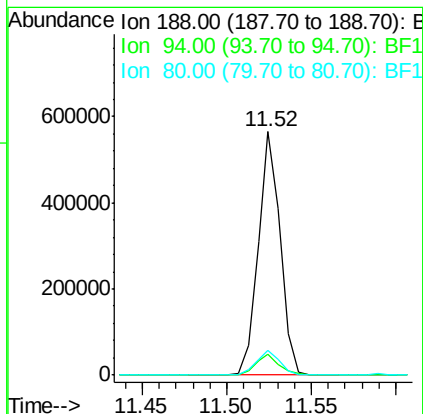
RT: 11.52 min Scan# 1562

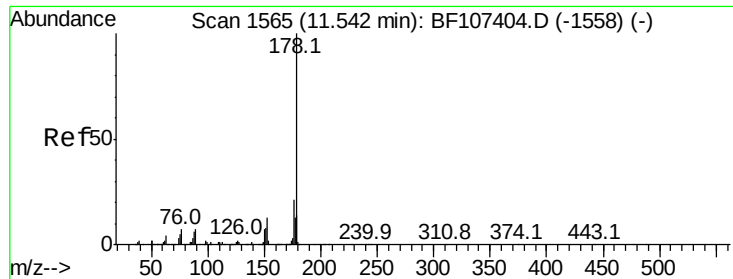
Delta R.T. 0.00 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7
80	10.0	9.2	13.8





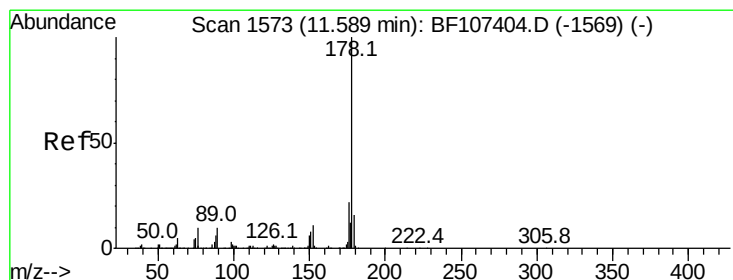
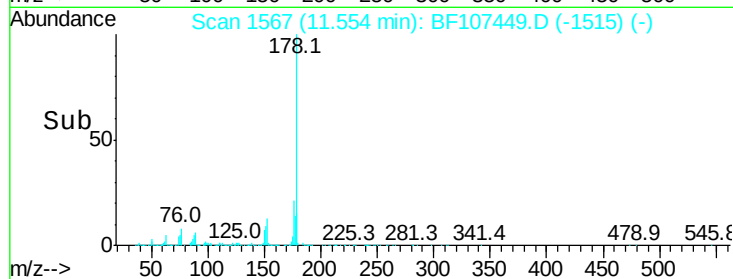
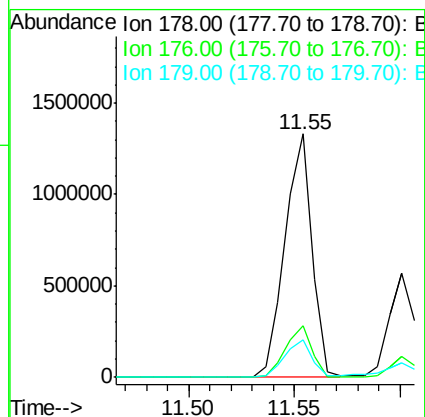
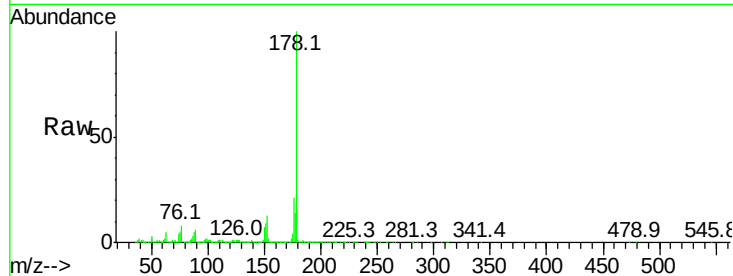
#70
Phenanthrene
Concen: 46.641 ng
RT: 11.55 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.8
179	15.6	13.0	19.6

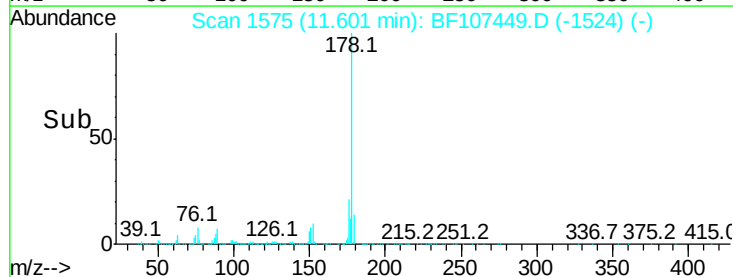
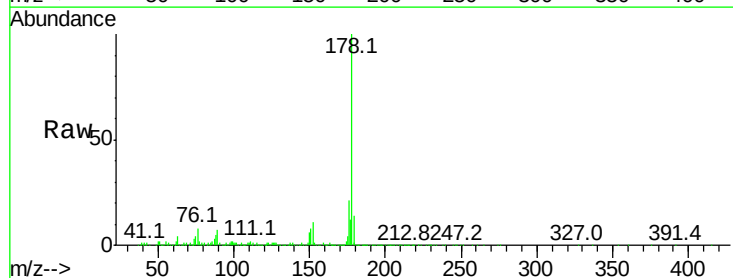
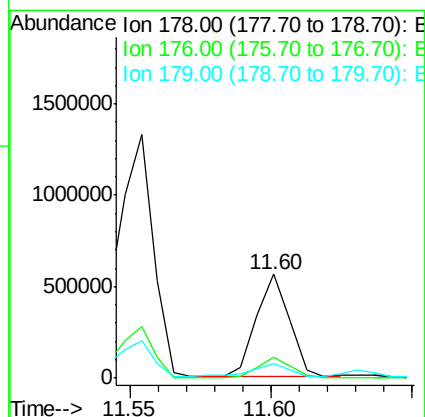
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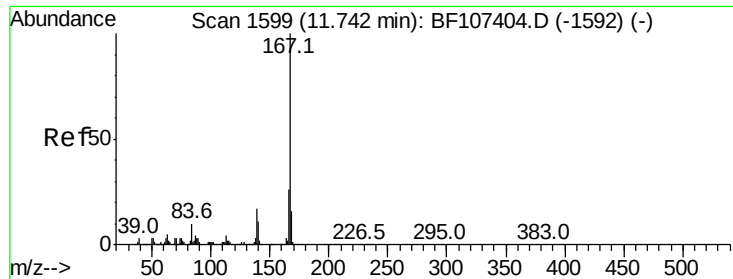
Sohil
7/18/2018 10:44:03 AM



#71
Anthracene
Concen: 18.223 ng
RT: 11.60 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	14.4	12.6	19.0





#72

Carbazole

Concen: 4.017 ng

RT: 11.75 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Instrument :

BNA_F

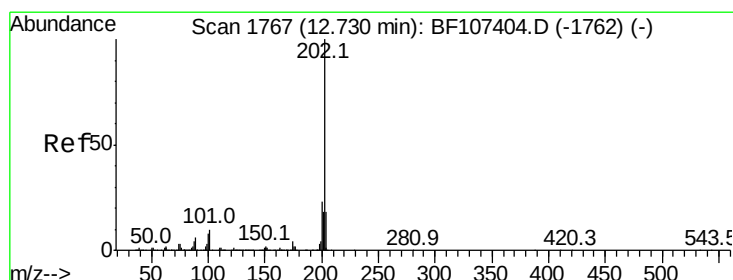
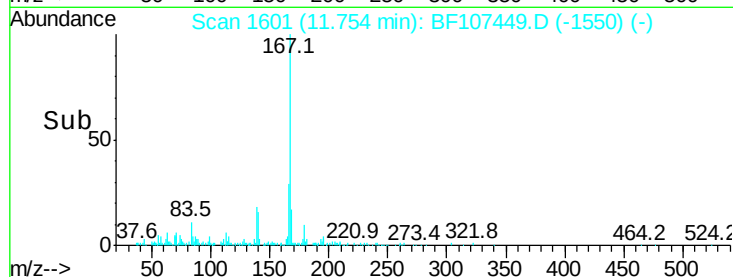
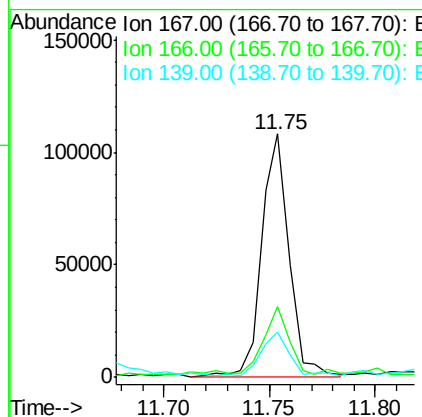
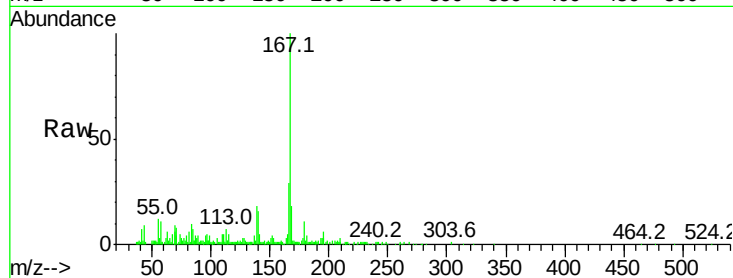
ClientSampleId :

PL-01-071318-C

Tot Ion:	167	Resp:	96504
Ion Ratio	Lower	Upper	
167	100		
166	29.2	17.6	26.4#
139	18.3	10.9	16.3#

Manual Integrations
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#74

Fluoranthene

Concen: 52.407 ng

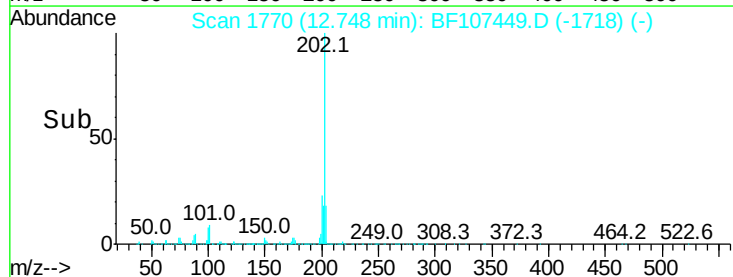
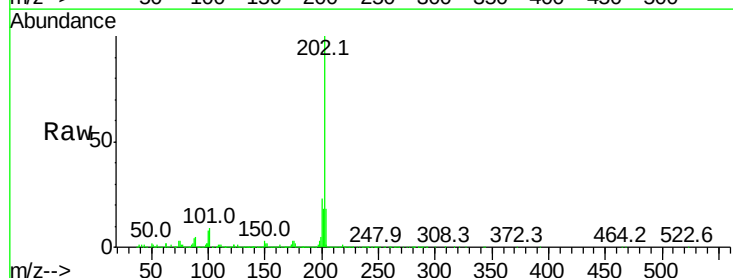
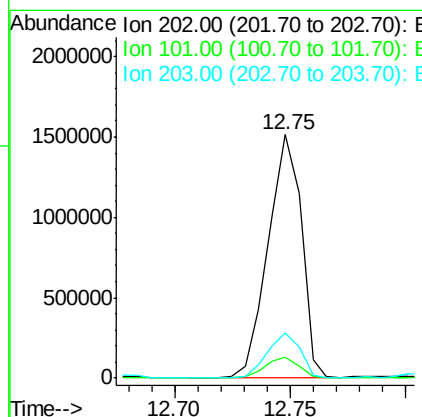
RT: 12.75 min Scan# 1770

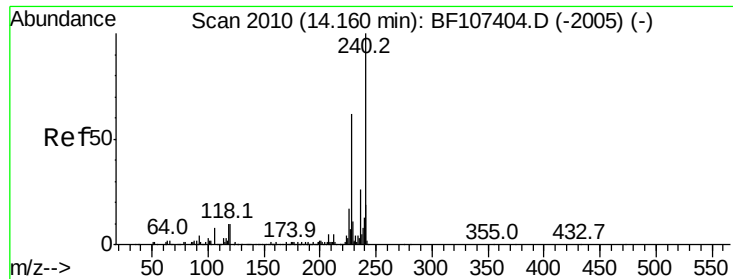
Delta R.T. 0.01 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Tgt Ion:	202	Resp:	1517382
Ion Ratio	Lower	Upper	
202	100		
101	8.6	0.0	34.1
203	18.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Instrument :

BNA_F

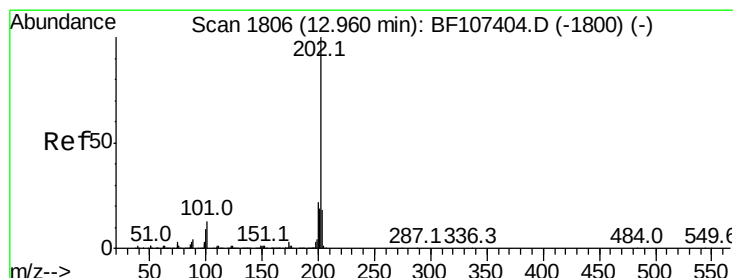
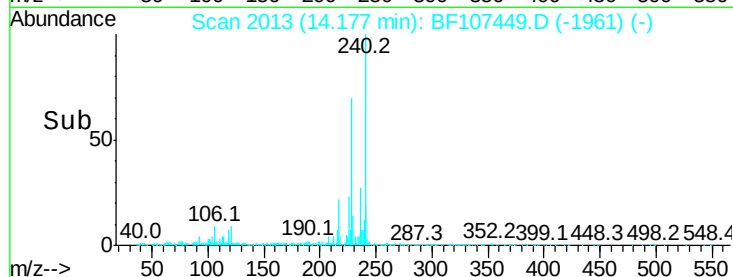
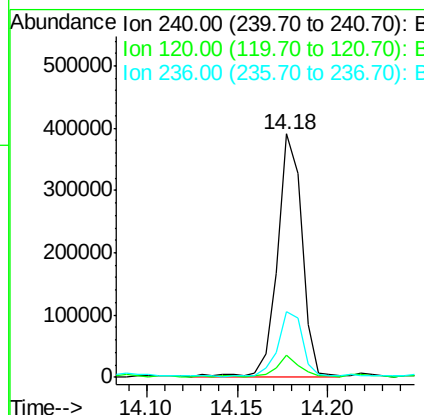
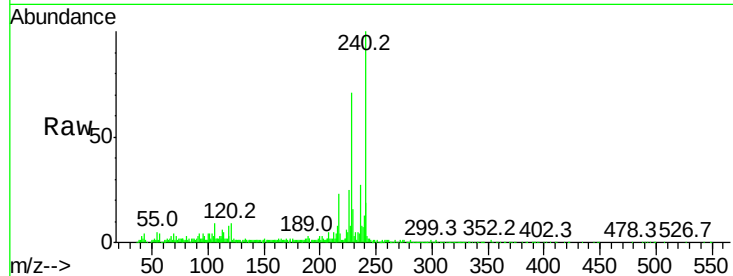
ClientSampleId :

PL-01-071318-C

Tot Ion:	240	Resp:	362326
Ion Ratio	Lower	Upper	
240	100		
120	9.2	9.5	14.3#
236	27.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 55.899 ng

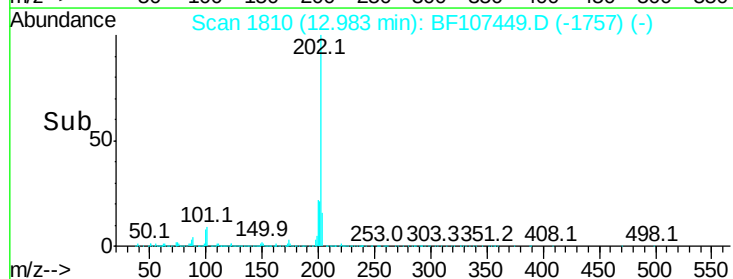
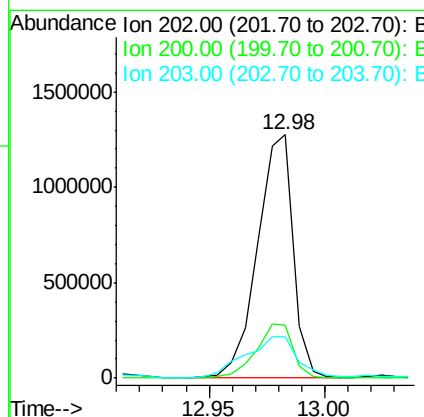
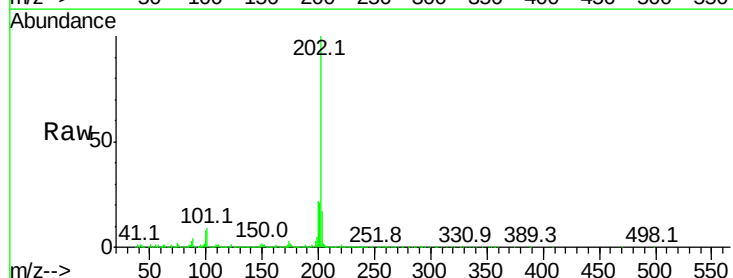
RT: 12.98 min Scan# 1810

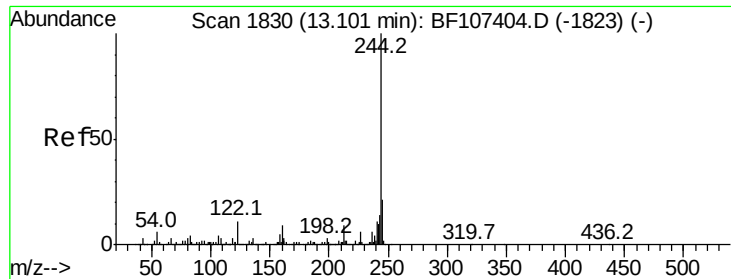
Delta R.T. 0.01 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Tgt Ion:	202	Resp:	1377294
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 34.422 ng

RT: 13.11 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Instrument :

BNA_F

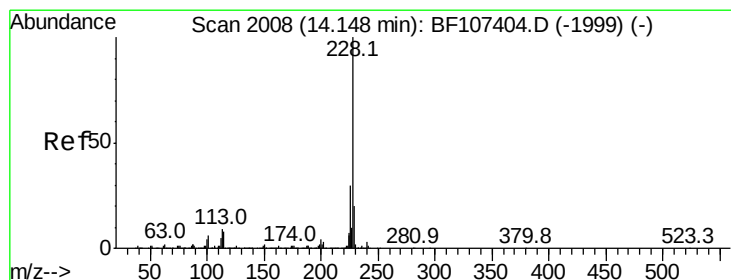
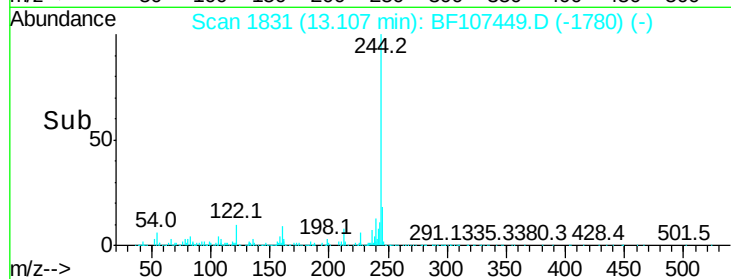
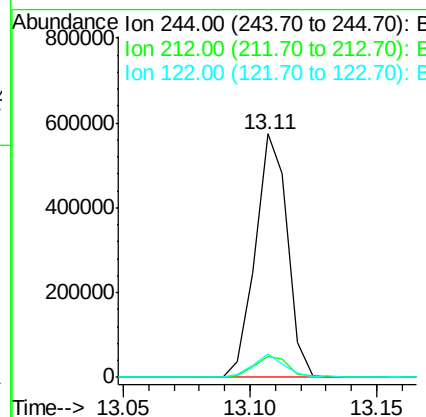
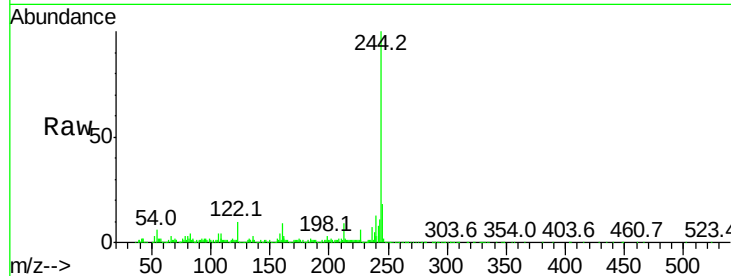
ClientSampleId :

PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.4	8.0#
122	9.8	11.0	16.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 35.625 ng

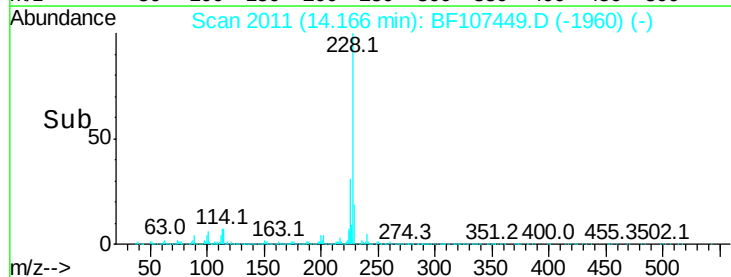
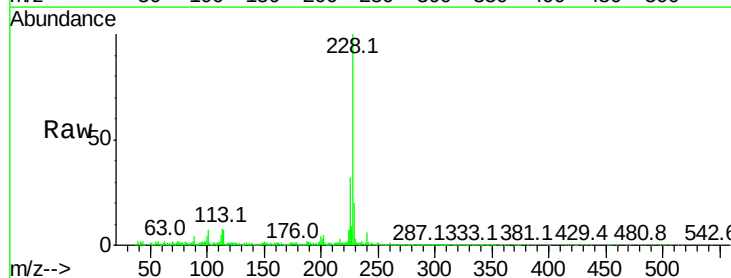
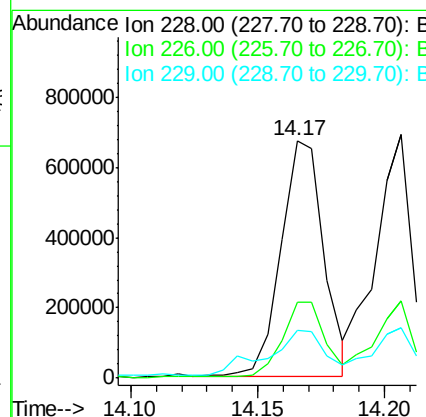
RT: 14.17 min Scan# 2011

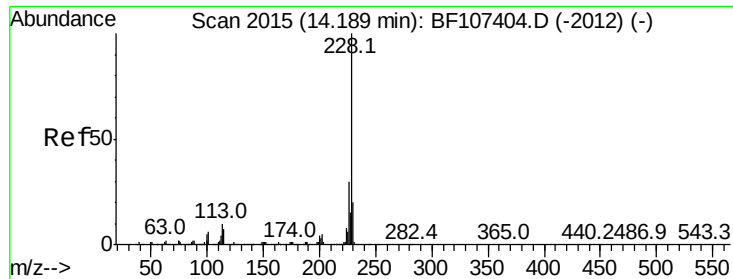
Delta R.T. 0.00 min

Lab File: BF107449.D

Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	20.4	15.8	23.6





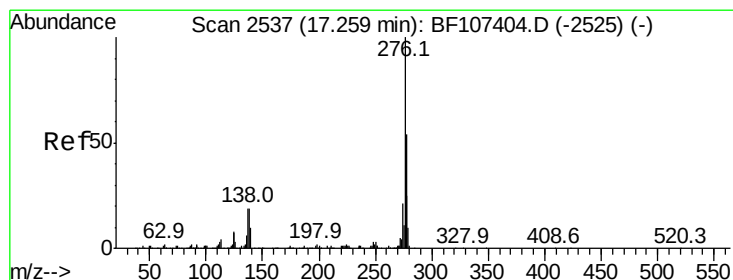
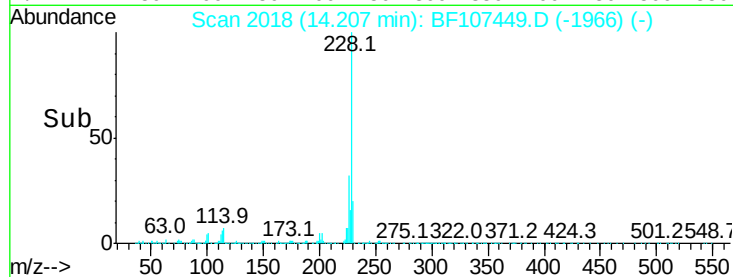
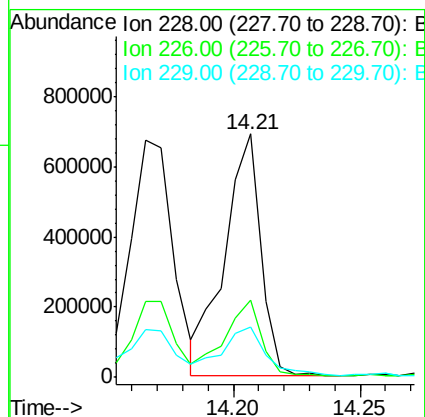
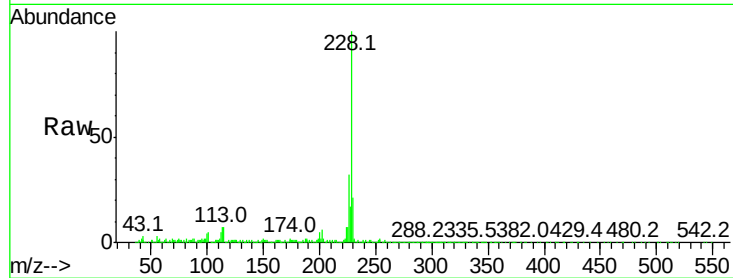
#82
Chrysene
Concen: 32.313 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	20.8	16.2	24.4

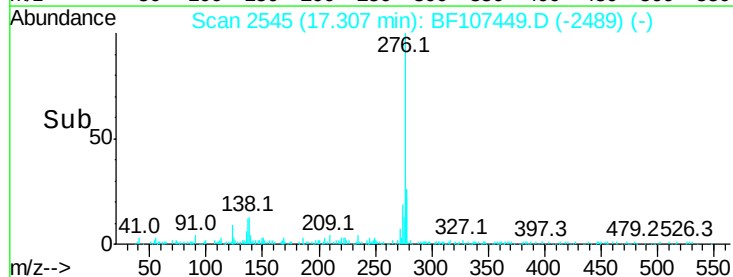
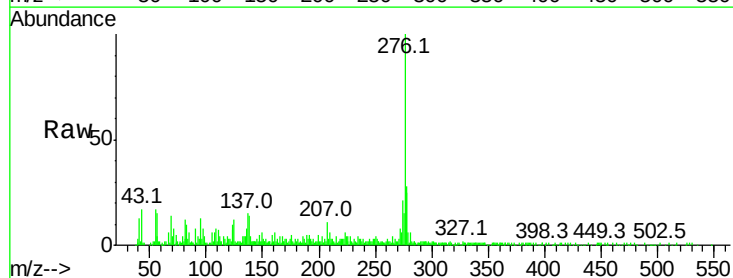
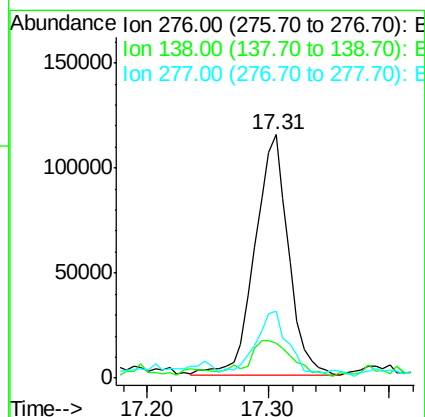
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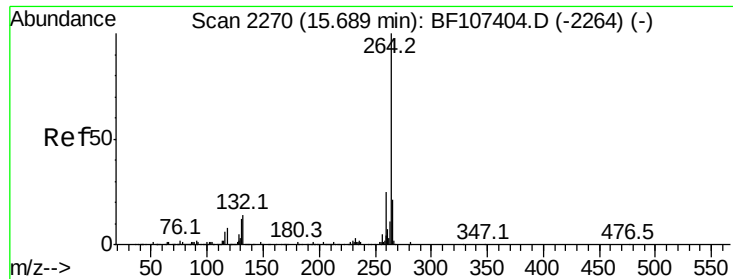
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.833 ng
RT: 17.31 min Scan# 2545
Delta R.T. 0.03 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	25.0	37.6#
277	24.8	20.1	30.1





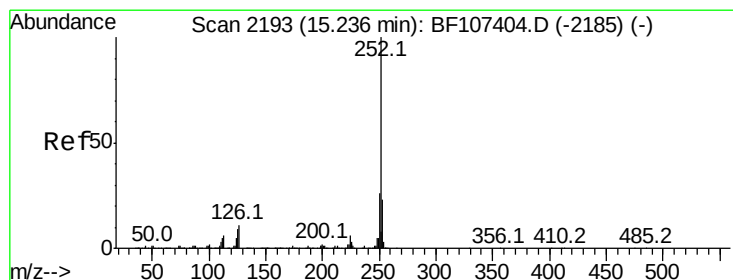
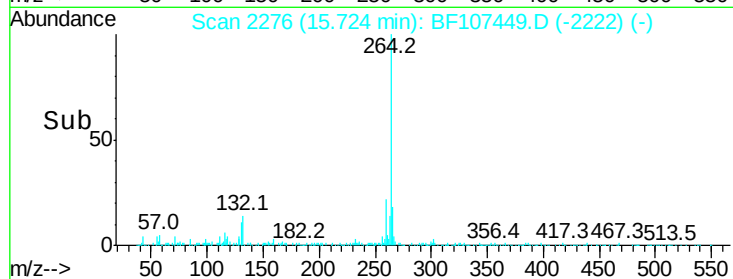
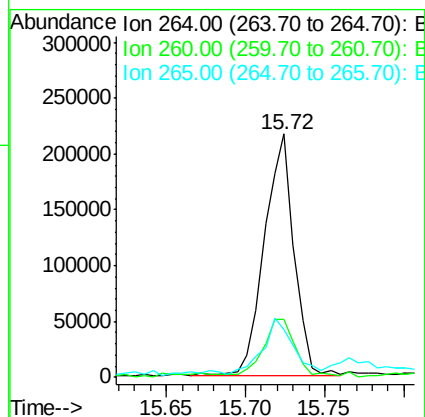
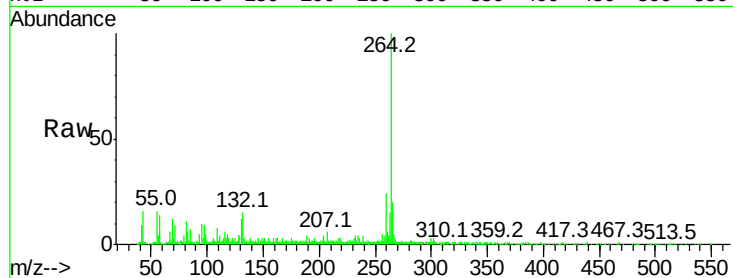
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	19.8	17.5	26.3

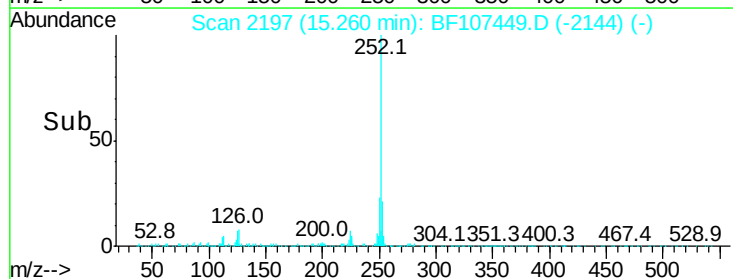
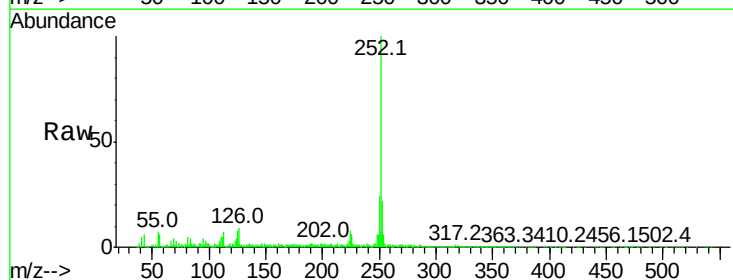
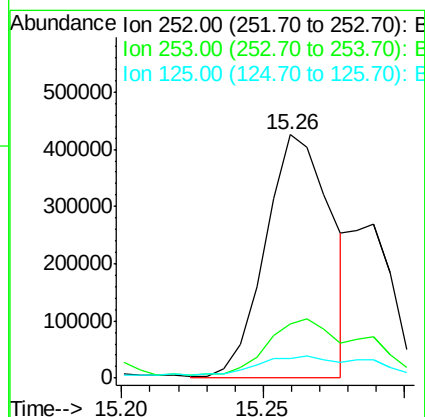
Manual Integrations
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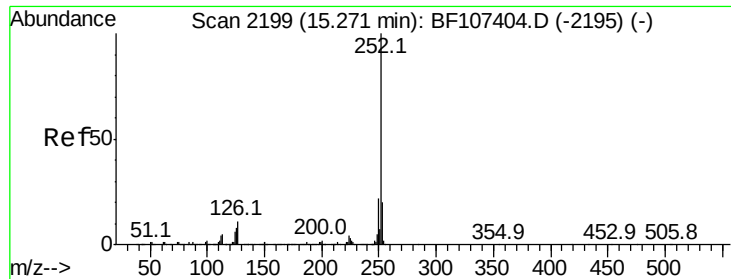
Sohil
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#87
Benzo(b)fluoranthene
Concen: 41.801 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	8.0	9.0	13.6





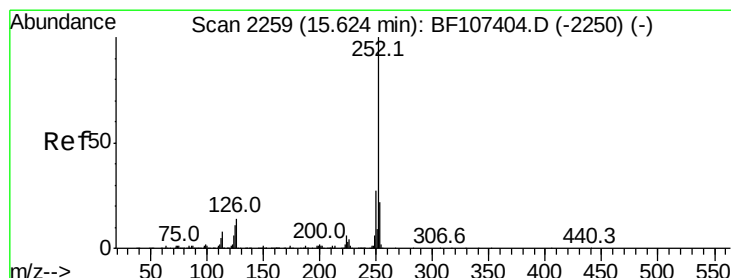
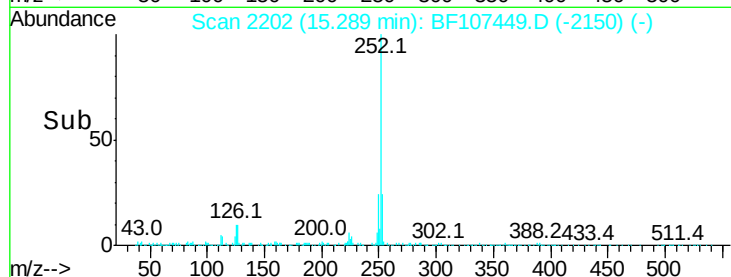
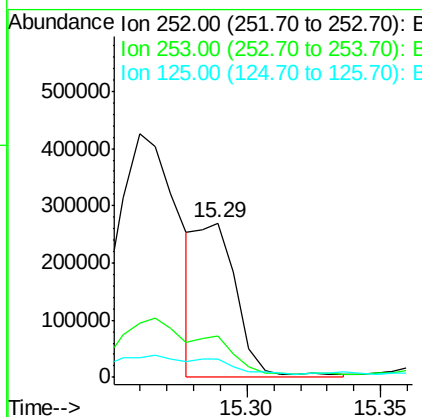
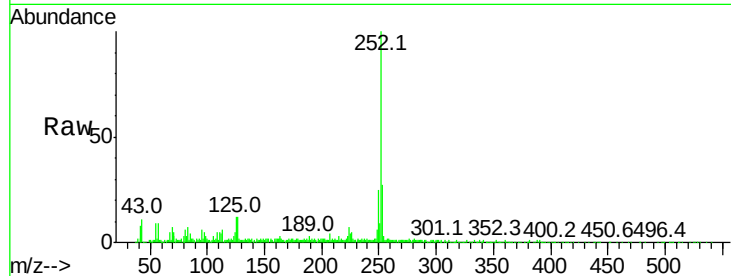
#88
Benzo(k)fluoranthene
Concen: 17.605 ng m
RT: 15.29 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	11.8	10.2	15.2

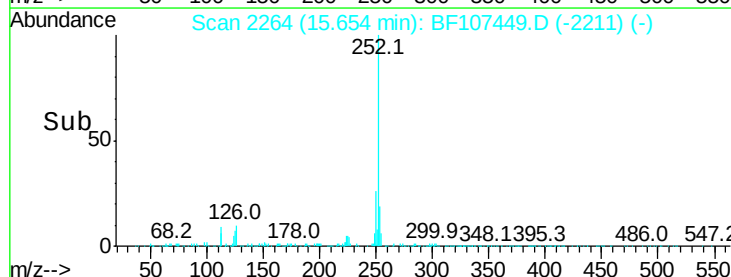
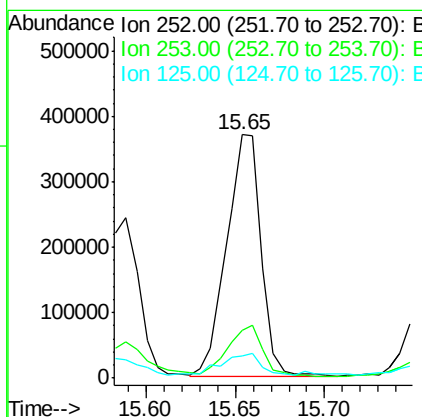
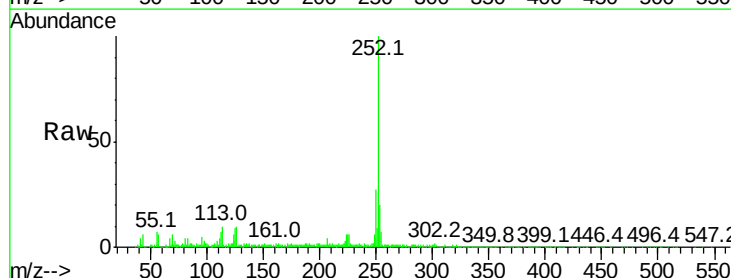
Manual Integrations
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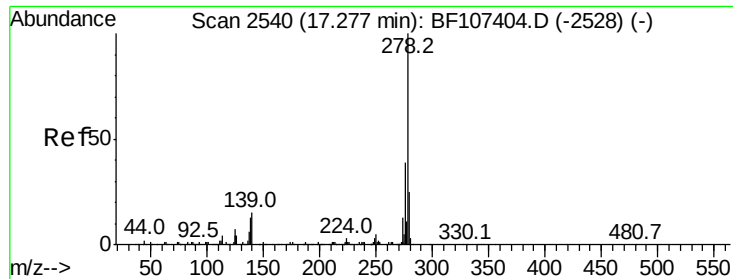
Sohil
7/18/2018 10:44:03 AM



#89
Benzo(a)pyrene
Concen: 32.786 ng m
RT: 15.65 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.5	17.1	25.7
125	9.1	9.8	14.6





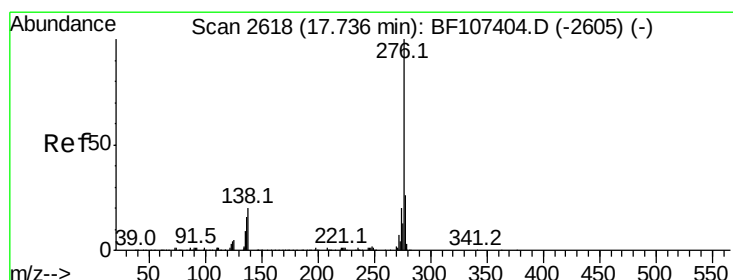
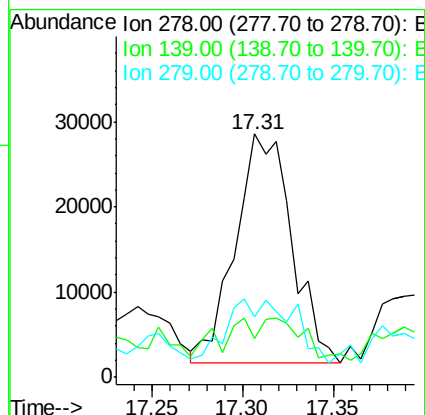
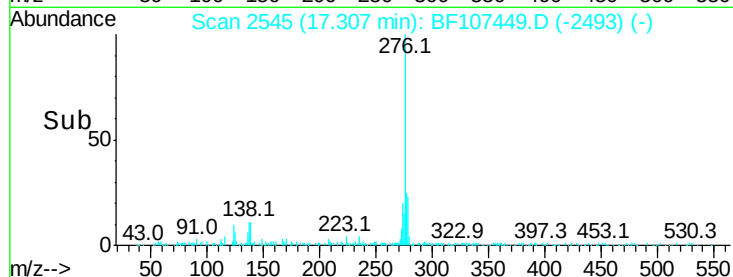
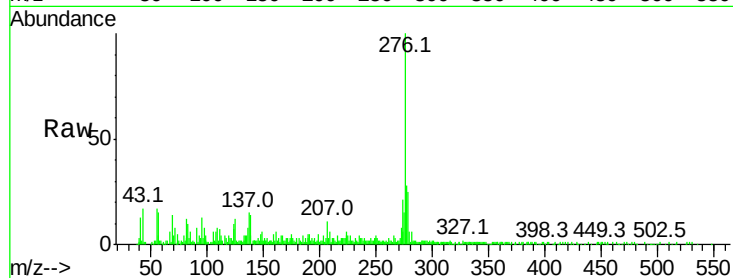
#90
Dibenzo(a,h)anthracene
Concen: 5.070 ng
RT: 17.31 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-071318-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	15.9	23.9
279	24.6	19.0	28.4

Manual Integrations
APPROVED

Sohil
7/18/2018 10:44:03 AM



#91
Benzo(g,h,i)perylene
Concen: 18.261 ng
RT: 17.79 min Scan# 2627
Delta R.T. 0.03 min
Lab File: BF107449.D
Acq: 17 Jul 2018 15:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	24.7	21.8	32.8

