

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102477.D
 Acq On : 26 Jan 2018 19:09
 Operator : SJ/JU
 Sample : J1020-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

Manual Integrations
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Quant Time: Jan 26 22:25:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	162593	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	668171	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	271606	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	398695	20.00	ng	0.00
75) Chrysene-d12	13.89	240	295329	20.00	ng	0.01
86) Perylene-d12	15.32	264	215205	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	603468	56.28	ng	0.00
7) Phenol-d6	6.36	99	726973	56.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	349056	30.02	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	90646	33.68	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	696354	37.70	ng	0.00
78) Terphenyl-d14	12.83	244	478424	36.52	ng	0.00
Target Compounds						
10) Phenol	6.37	94	29307	2.076	ng	Qvalue 81
31) Naphthalene	8.02	128	116900	3.504	ng	99
37) 2-Methylnaphthalene	8.72	142	84836	3.818	ng	96
48) Acenaphthylene	9.62	152	66326	2.255	ng	97
49) Dimethylphthalate	9.47	163	127753	5.691	ng	99
51) Acenaphthene	9.79	154	89878	5.233	ng	99
54) Dibenzofuran	9.96	168	62199	2.676	ng	# 94
57) Fluorene	10.30	166	175271	9.515	ng	99
70) Phenanthrene	11.27	178	1027821	44.240	ng	100
71) Anthracene	11.32	178	337463	14.231	ng	99
74) Fluoranthene	12.46	202	1064206	44.919	ng	99
77) Pyrene	12.69	202	1172334	51.342	ng	99
80) Benzo(a)anthracene	13.88	228	502182	27.619	ng	96
82) Chrysene	13.92	228	506502	27.432	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	110398	7.240	ng	98
87) Benzo(b)fluoranthene	14.92	252	338299m	24.253	ng	
88) Benzo(k)fluoranthene	14.93	252	124382m	9.438	ng	
89) Benzo(a)pyrene	15.26	252	265564	21.110	ng	# 96
90) Dibenz(a,h)anthracene	16.73	278	33153	3.253	ng	# 74
91) Benzo(a,h,i)perylene	17.16	276	119823	11.909	ng	95

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

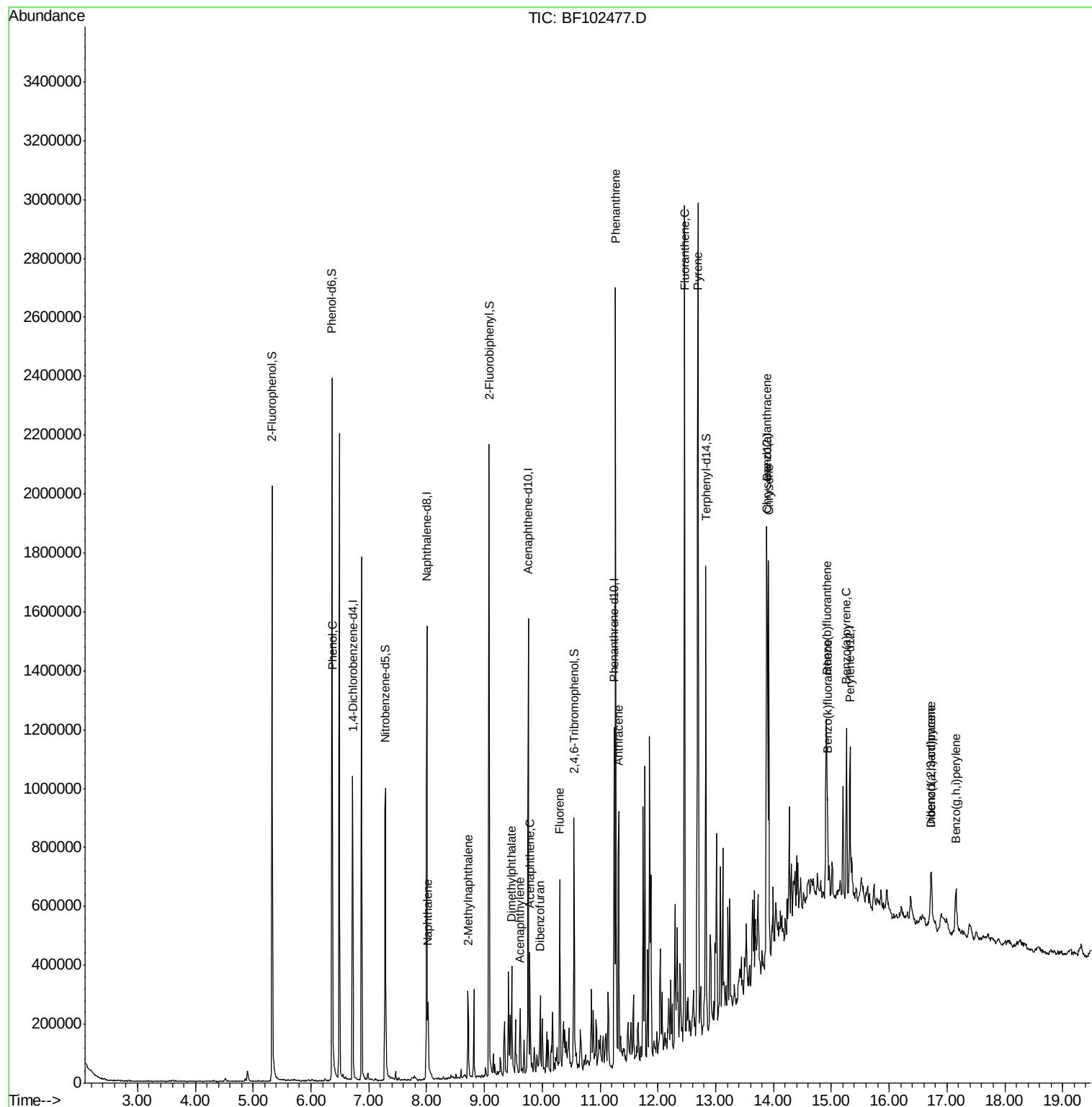
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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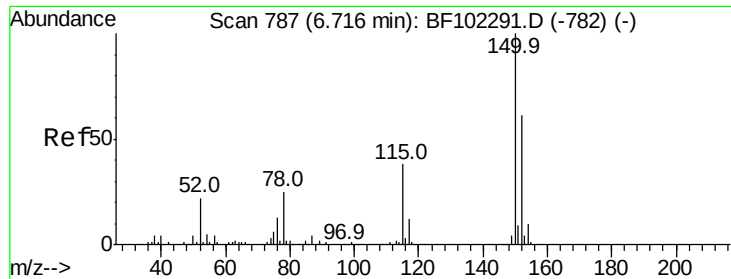
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#1

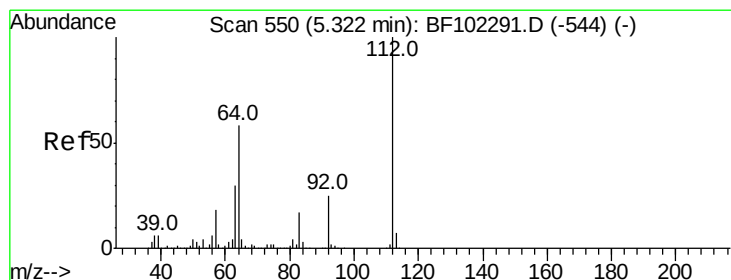
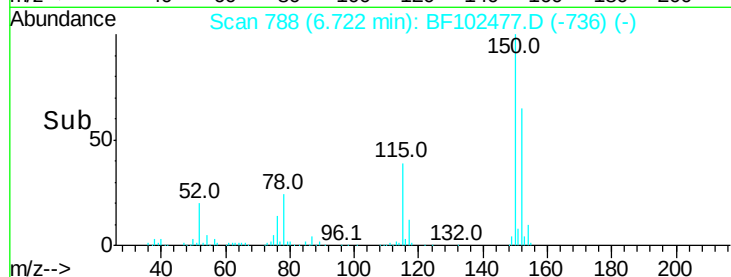
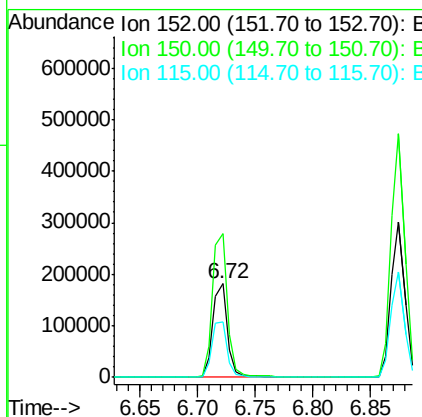
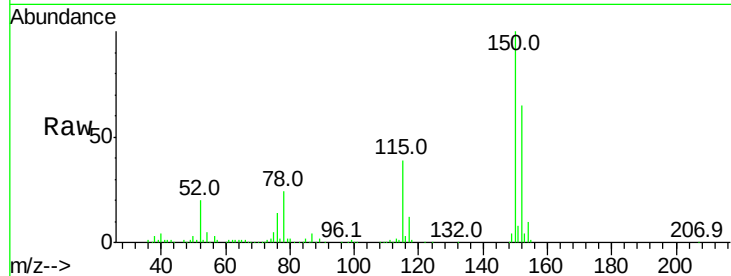
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	59.4	50.1	75.1

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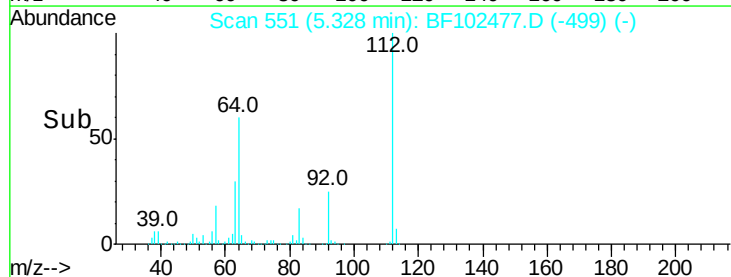
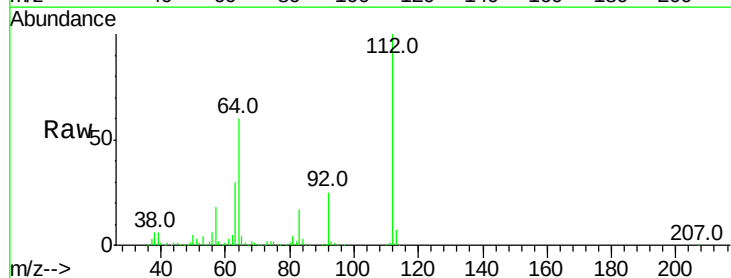
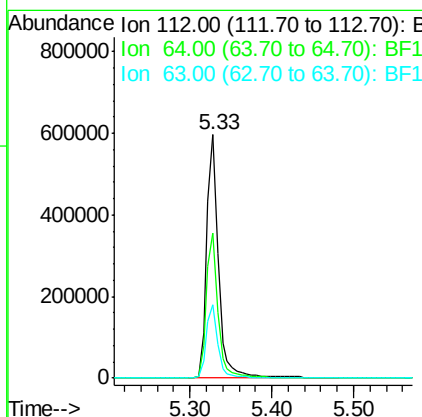
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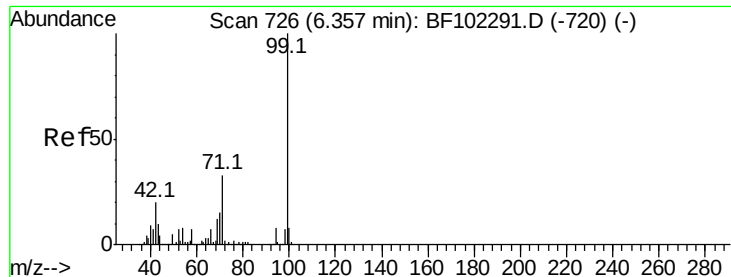


#5

2-Fluorophenol
Concen: 56.276 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	30.0	23.7	35.5





#7

Phenol-d6

Concen: 56.233 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Instrument :

BNA_F

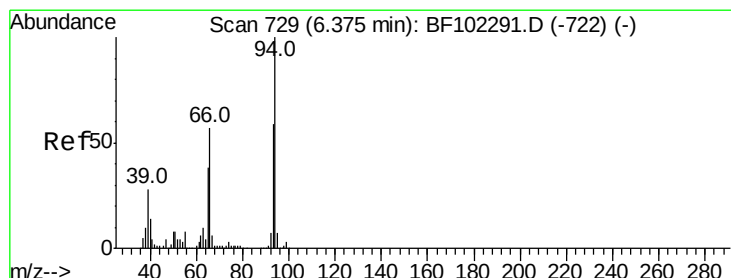
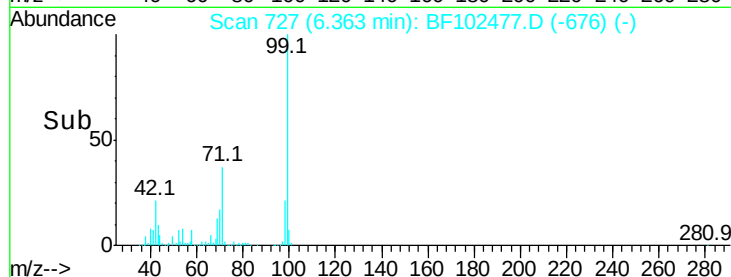
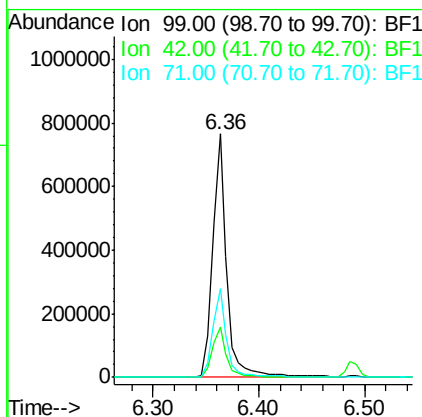
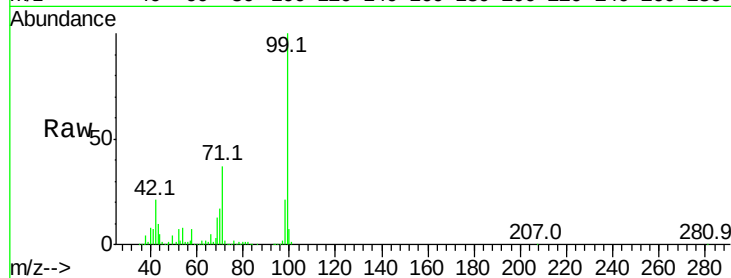
ClientSampleId :

PL-01-012418-C

Tot Ion:	99	Resp:	726973
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	36.6	25.4	38.0

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#10

Phenol

Concen: 2.076 ng

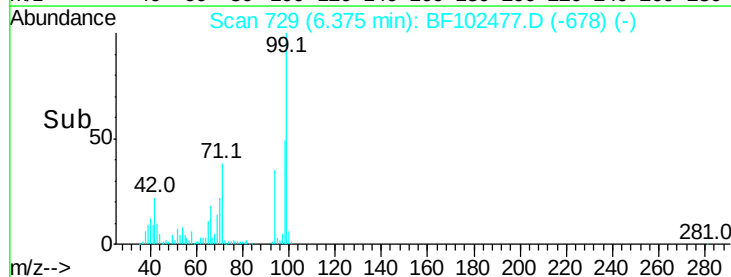
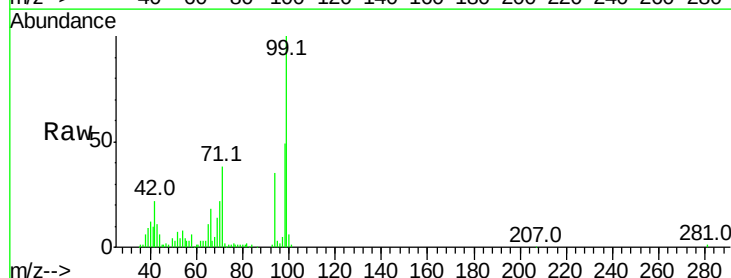
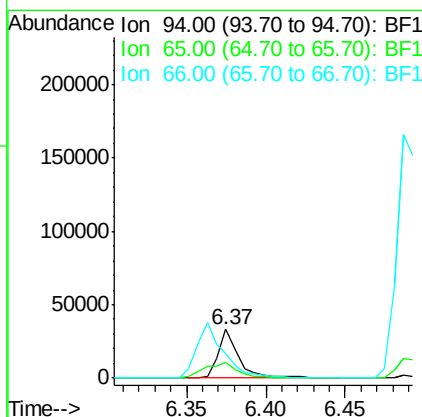
RT: 6.37 min Scan# 729

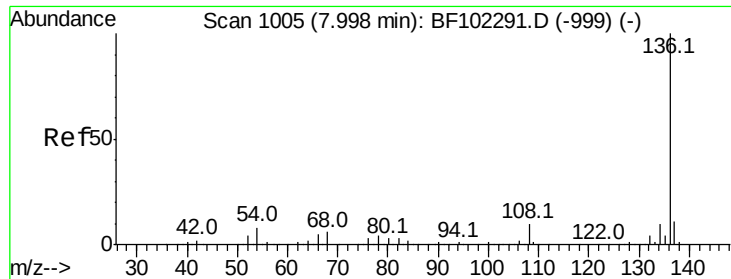
Delta R.T. 0.00 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Tgt Ion:	94	Resp:	29307
Ion Ratio	Lower	Upper	
94	100		
65	32.8	7.9	47.9
66	51.8	16.2	56.2





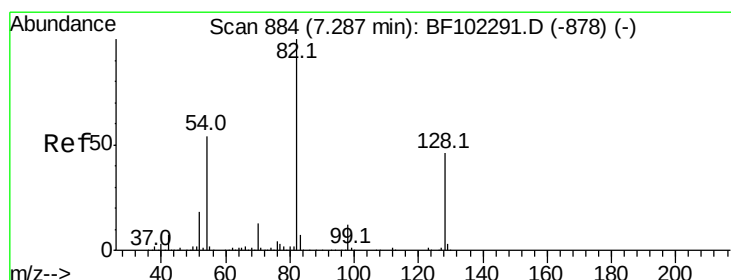
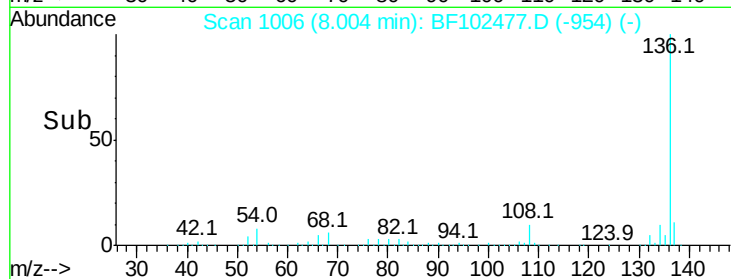
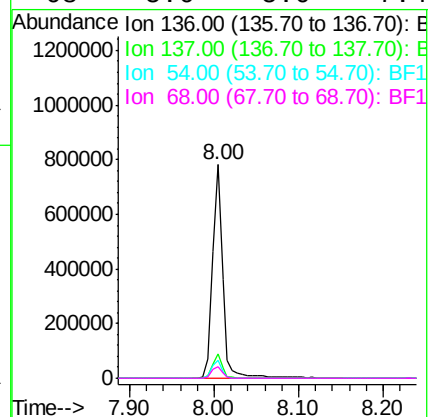
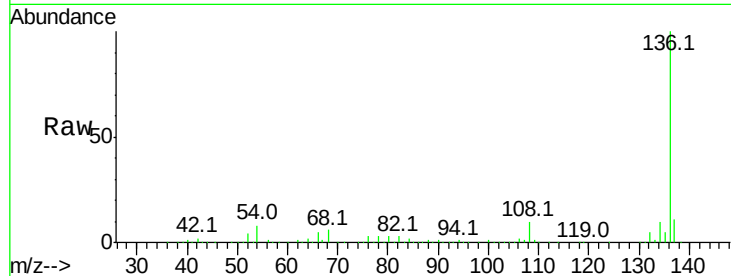
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	136	Resp	668171
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.3	6.6	9.8
68	5.6	5.0	7.4

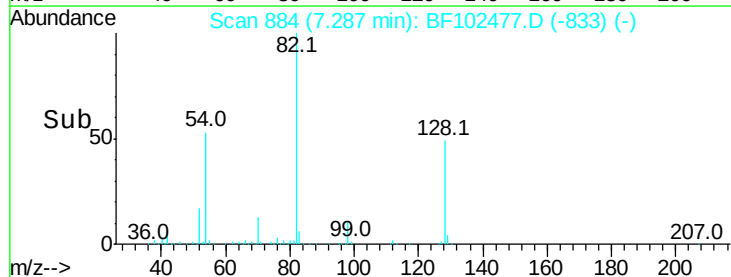
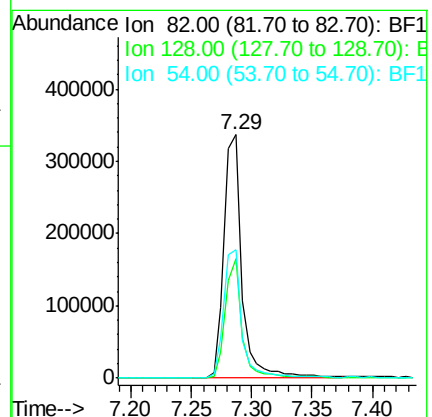
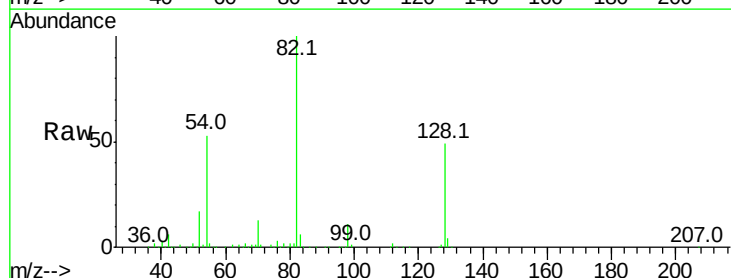
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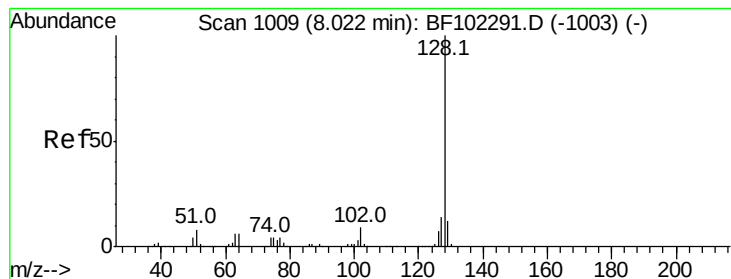
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#23
Nitrobenzene-d5
Concen: 30.021 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	82	Resp	349056
Ion Ratio	Lower	Upper	
82	100		
128	48.9	36.1	54.1
54	52.9	41.4	62.2





#31

Naphthalene

Concen: 3.504 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Instrument :

BNA_F

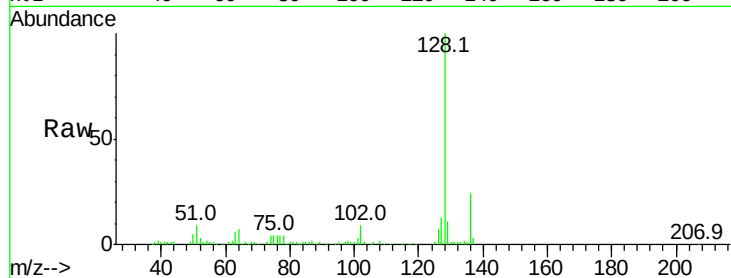
ClientSampleId :

PL-01-012418-C

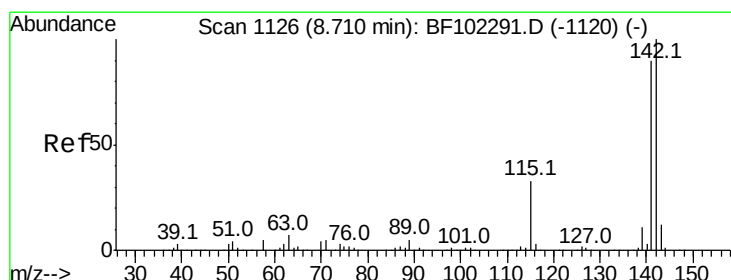
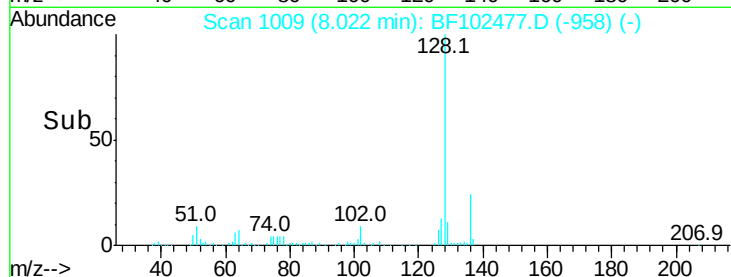
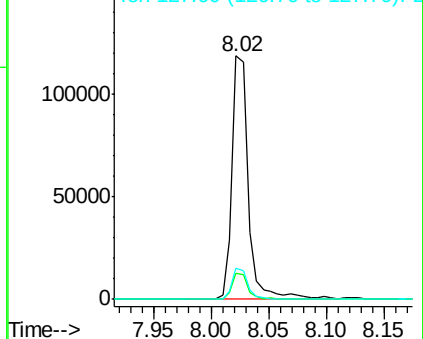
Tot Ion:128	Resp:	116900
Ion Ratio	Lower	Upper
128 100		
129 10.6	8.8	13.2
127 13.0	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 3.818 ng

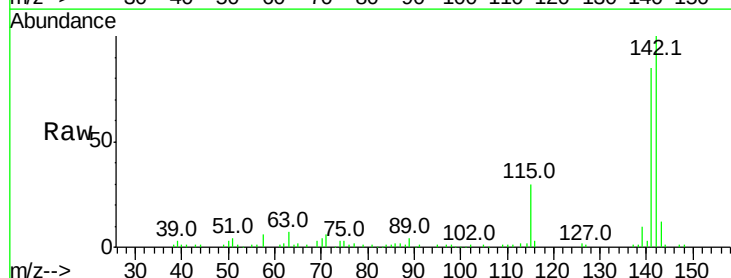
RT: 8.72 min Scan# 1127

Delta R.T. 0.00 min

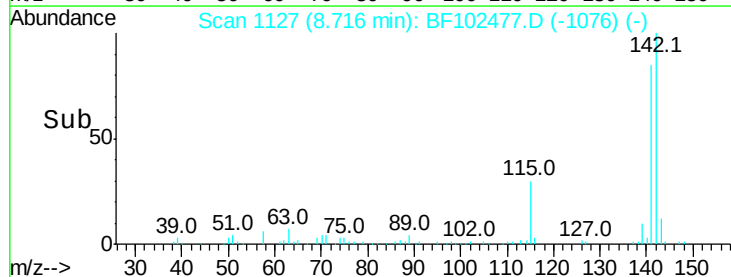
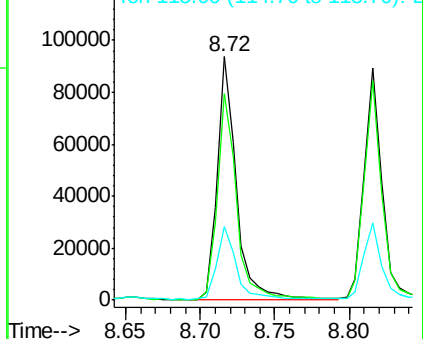
Lab File: BF102477.D

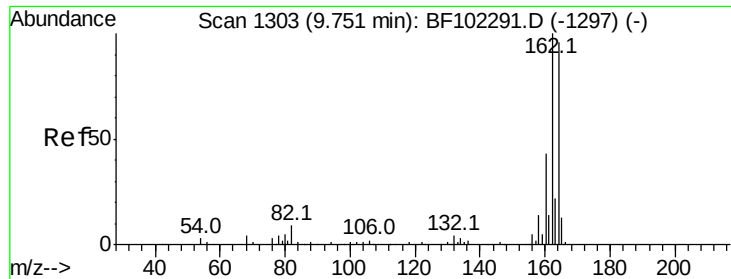
Acq: 26 Jan 2018 19:09

Tgt Ion:142	Resp:	84836
Ion Ratio	Lower	Upper
142 100		
141 84.6	70.8	106.2
115 30.1	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





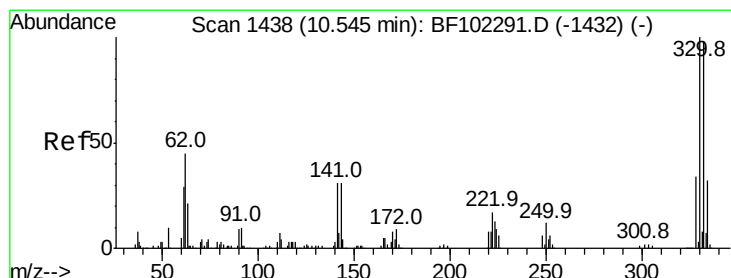
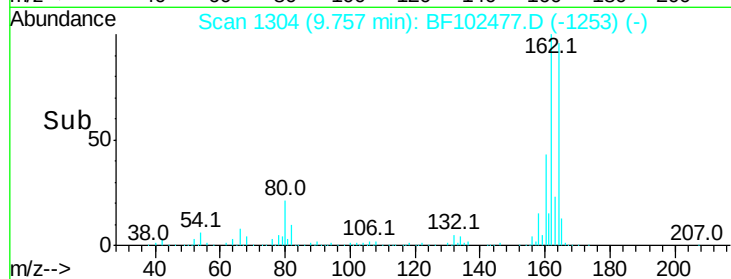
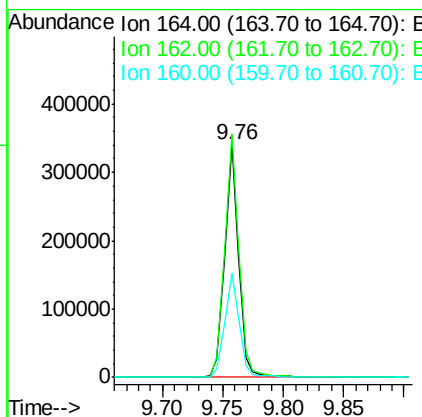
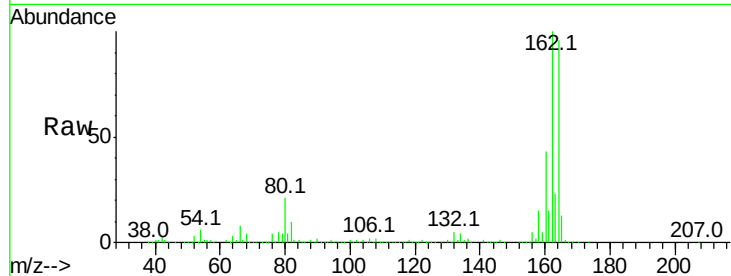
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF102477.D
 Acq: 26 Jan 2018 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	44.9	38.3	57.5

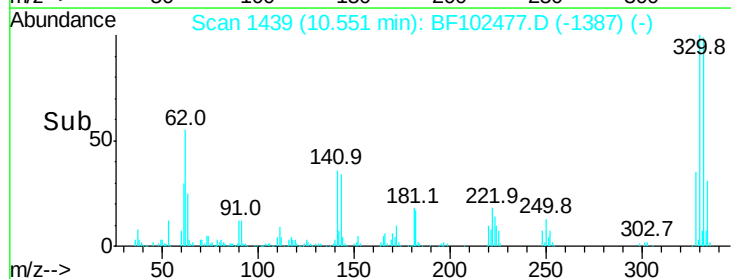
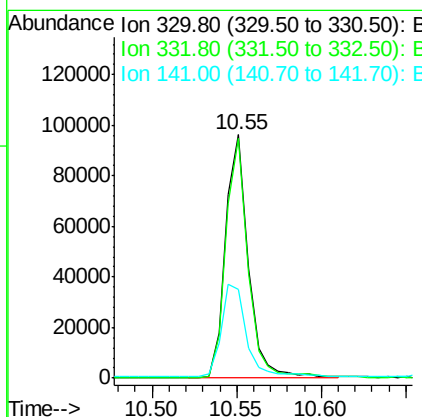
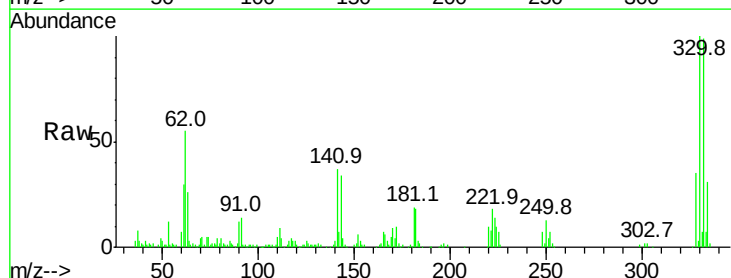
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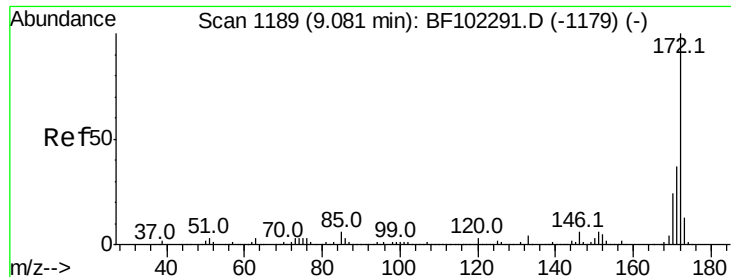
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#41
 2,4,6-Tribromophenol
 Concen: 33.682 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102477.D
 Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	42.0	29.9	44.9





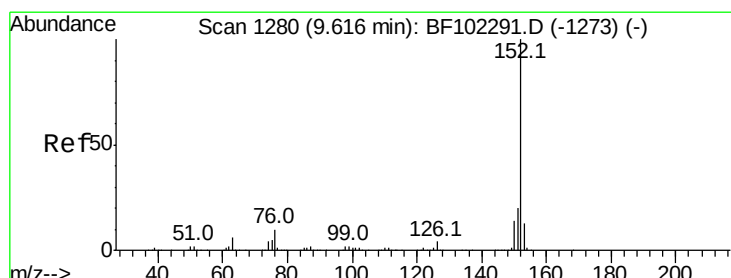
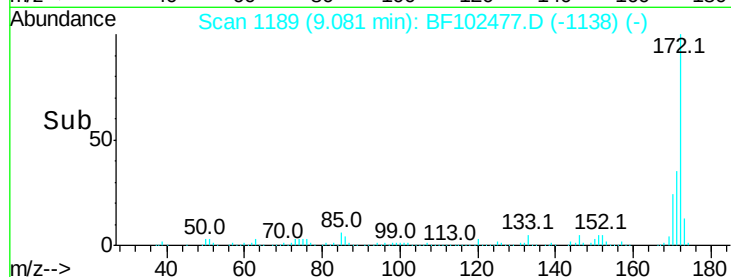
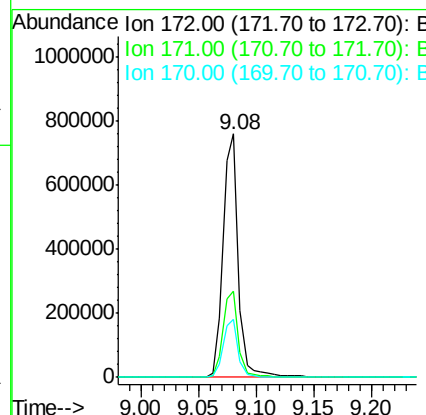
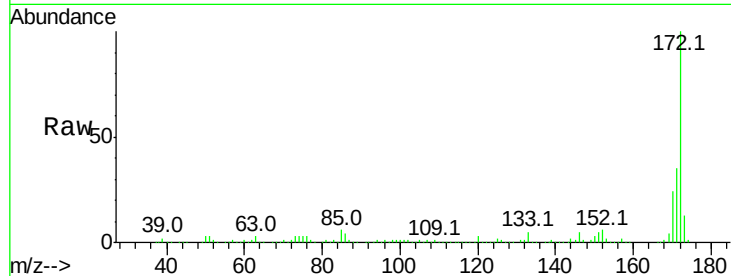
#44
 2-Fluorobiphenyl
 Concen: 37.697 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF102477.D
 Acq: 26 Jan 2018 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.0	19.6	29.4

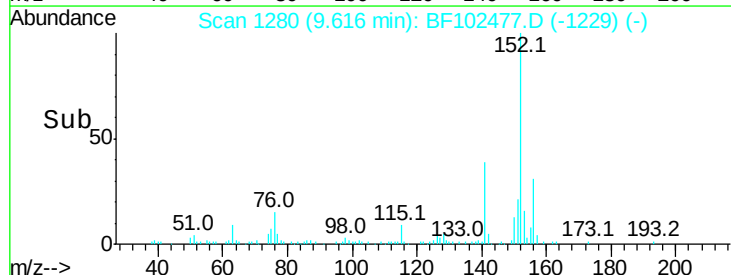
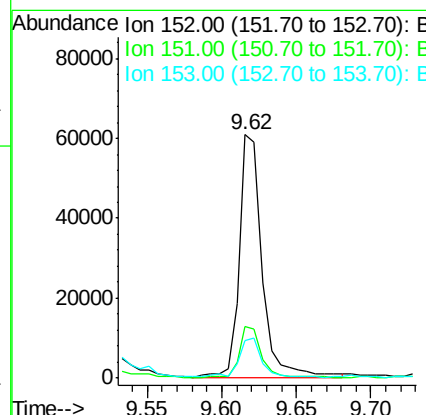
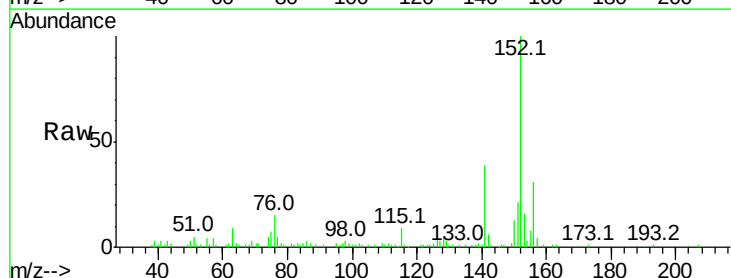
Manual Integrations
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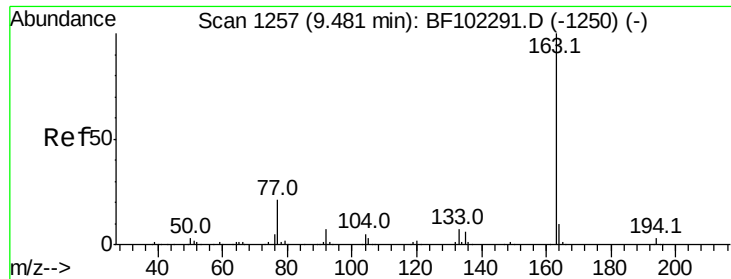
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#48
 Acenaphthylene
 Concen: 2.255 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BF102477.D
 Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	15.5	10.7	16.1





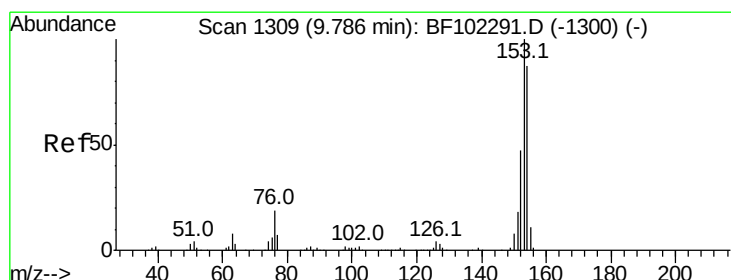
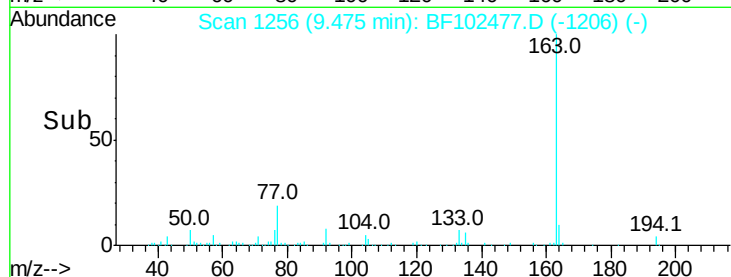
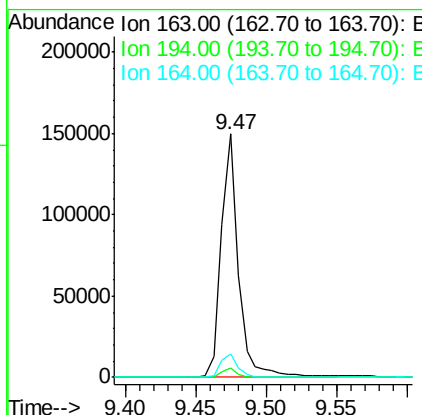
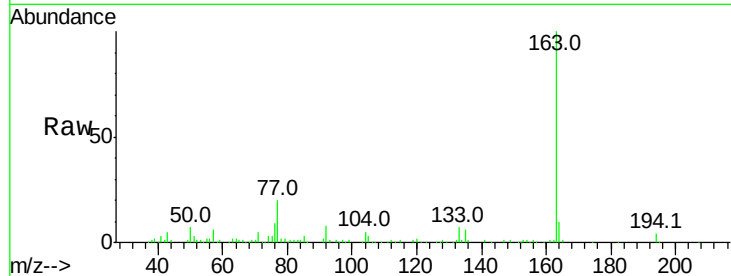
#49
Dimethylphthalate
Concen: 5.691 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	127753		
194	3.7		2.7	4.1
164	9.9		8.2	12.2

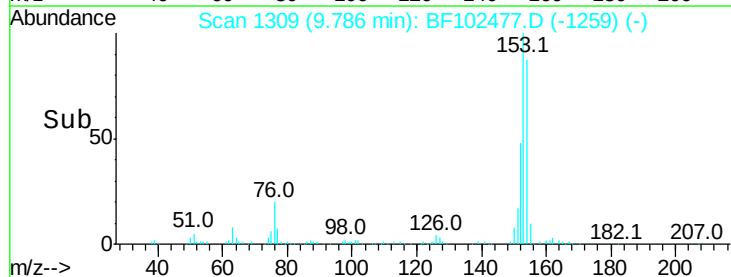
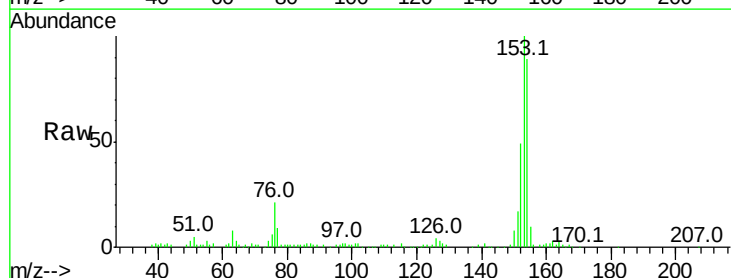
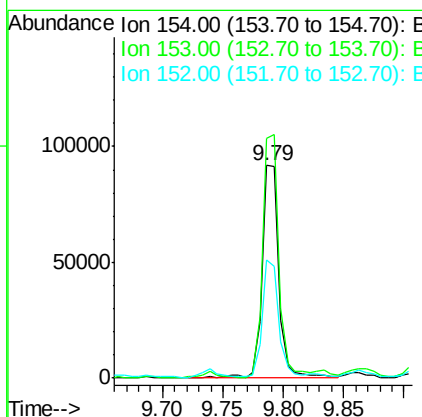
Manual Integrations
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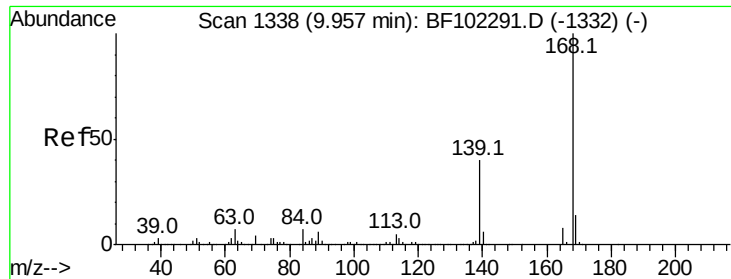
Sohil
1/27/2018 1:47:10 PM



#51
Acenaphthene
Concen: 5.233 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	89878		
153	112.9		91.2	136.8
152	55.3		43.8	65.8





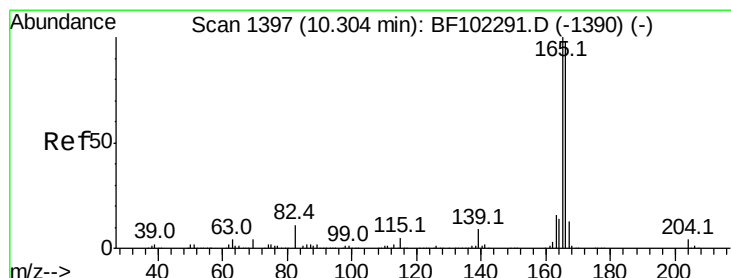
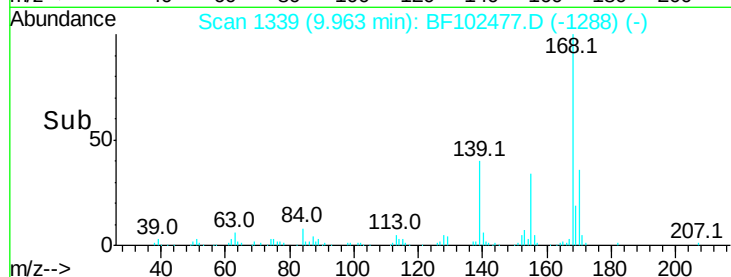
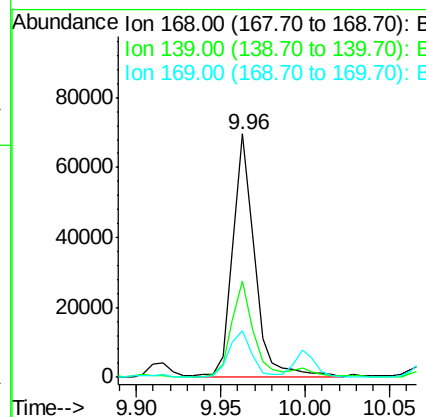
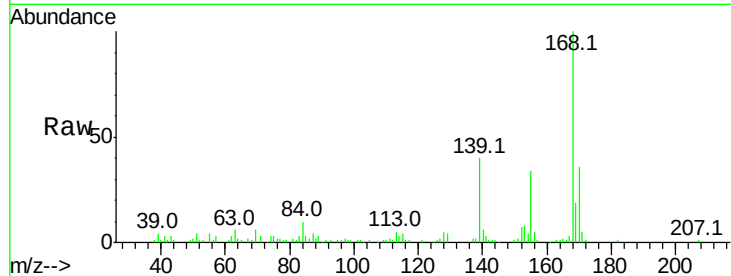
#54
Dibenzofuran
Concen: 2.676 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Resp	Lower	Upper
168	100	62199		
139	39.6		30.1	45.1
169	19.1		10.9	16.3

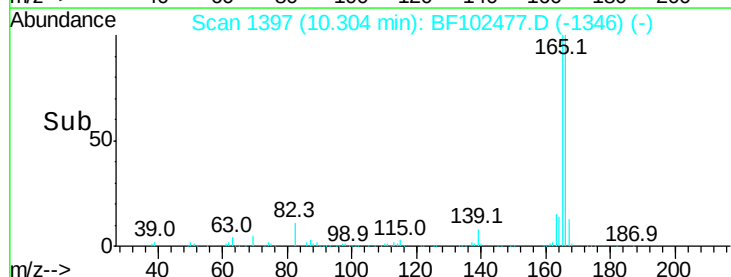
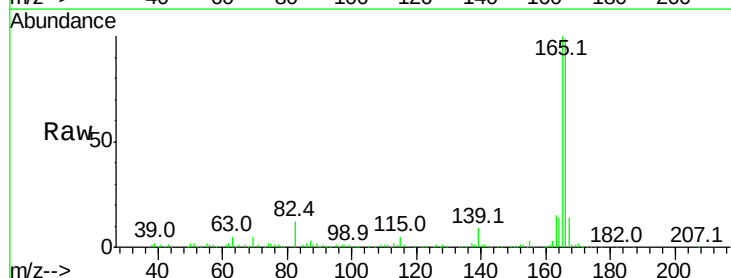
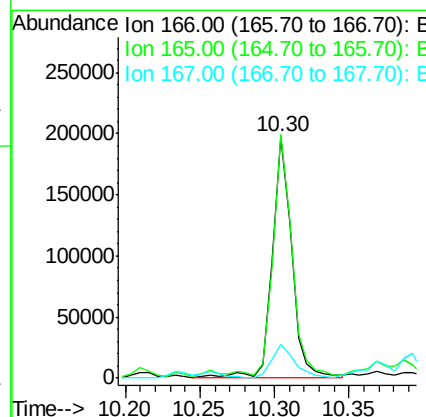
Manual Integrations
APPROVED

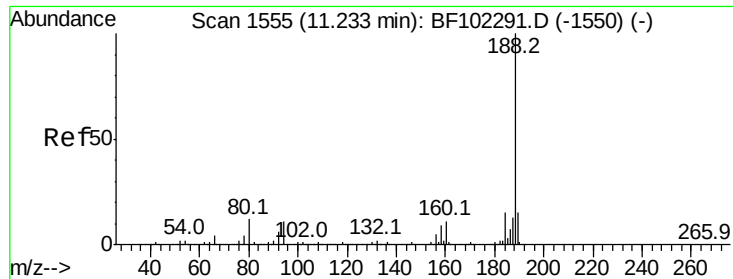
Sohil
1/27/2018 1:47:10 PM



#57
Fluorene
Concen: 9.515 ng
RT: 10.30 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	175271		
165	100.7		79.8	119.8
167	13.7		10.6	16.0





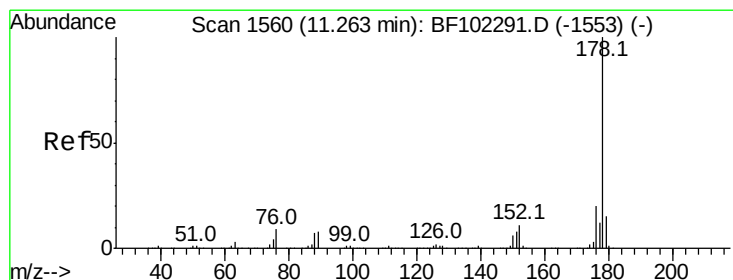
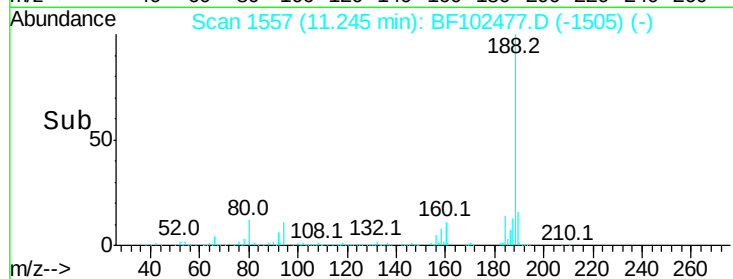
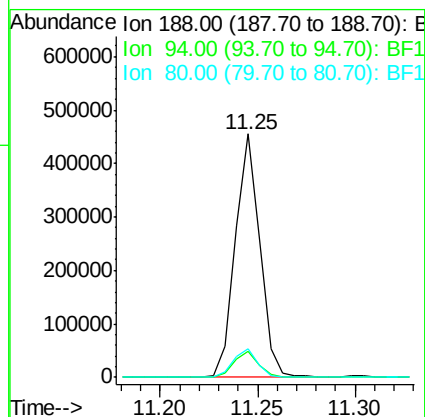
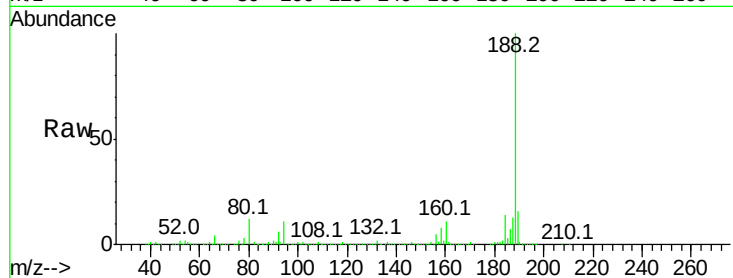
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.6	9.2	13.8

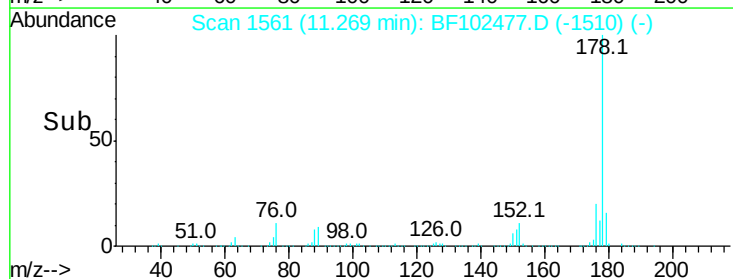
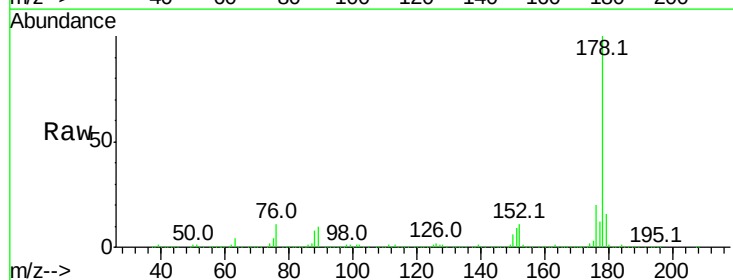
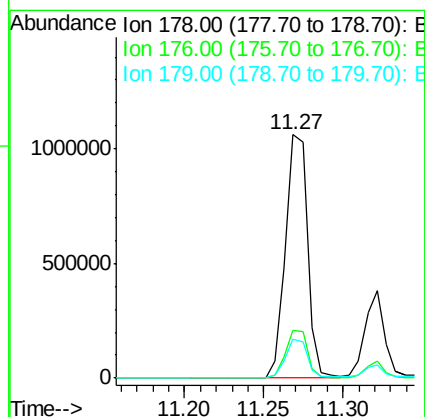
Manual Integrations
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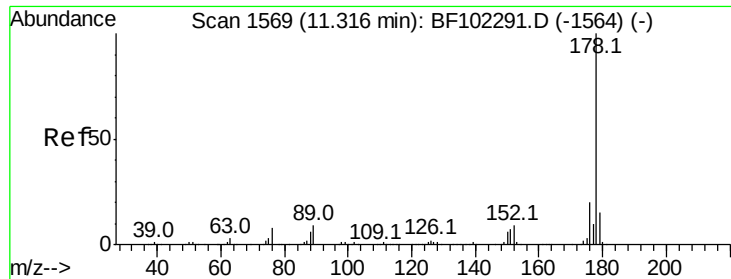
Sohil
1/27/2018 1:47:10 PM



#70
Phenanthrene
Concen: 44.240 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.1	13.0	19.6





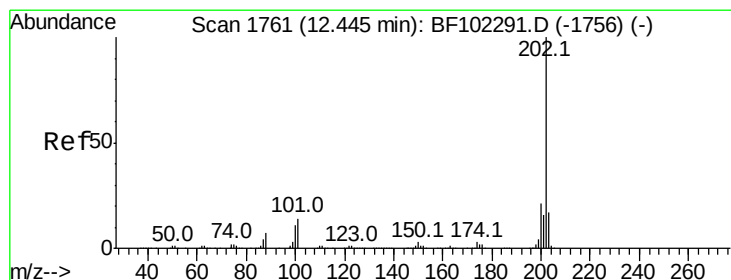
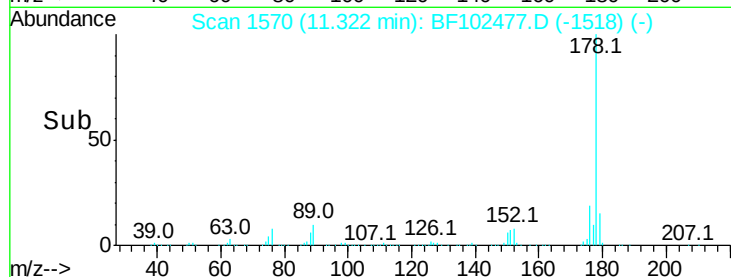
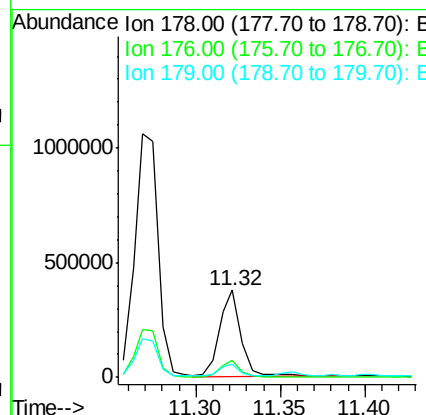
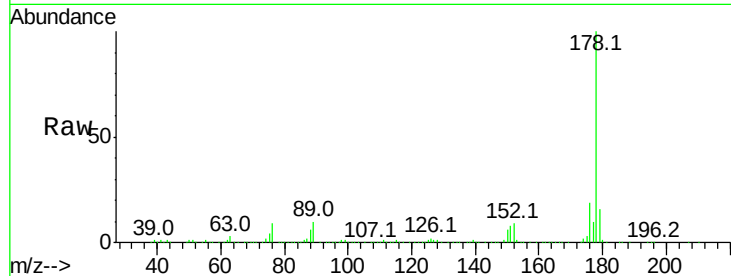
#71
 Anthracene
 Concen: 14.231 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF102477.D
 Acq: 26 Jan 2018 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.6	19.0

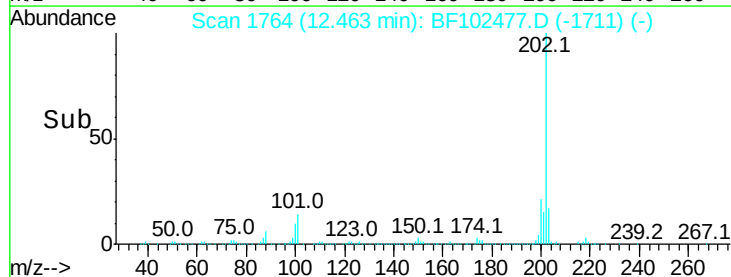
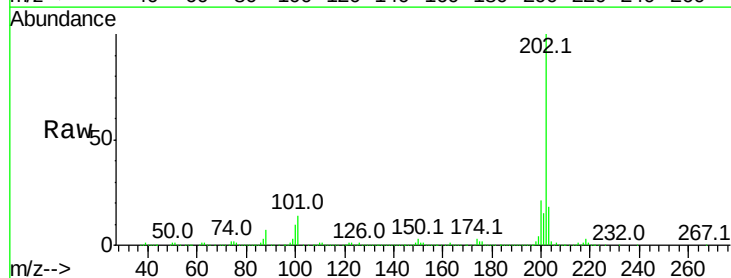
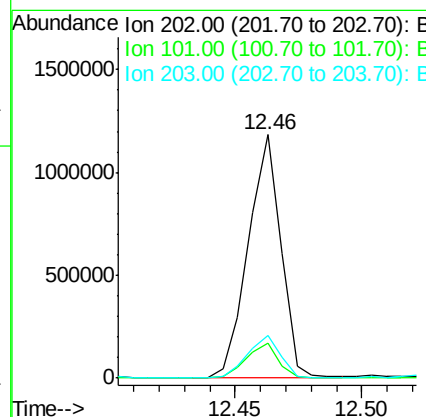
Manual Integrations
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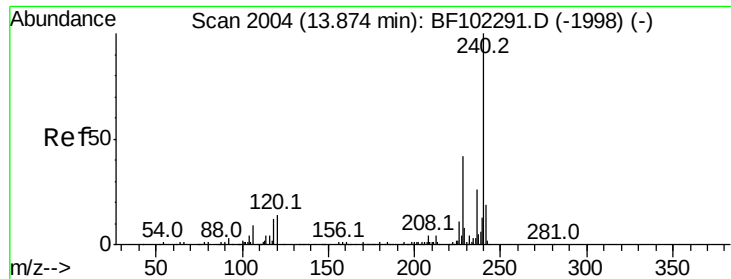
Sohil
 1/27/2018 1:47:10 PM



#74
 Fluoranthene
 Concen: 44.919 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BF102477.D
 Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Instrument :

BNA_F

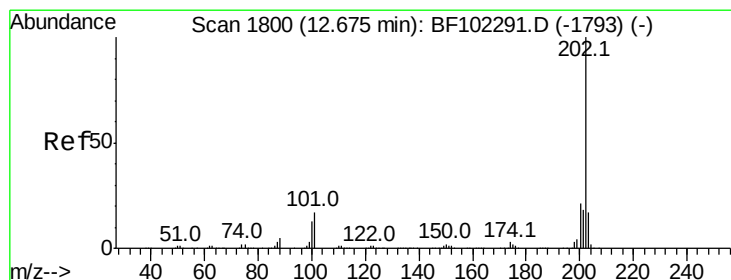
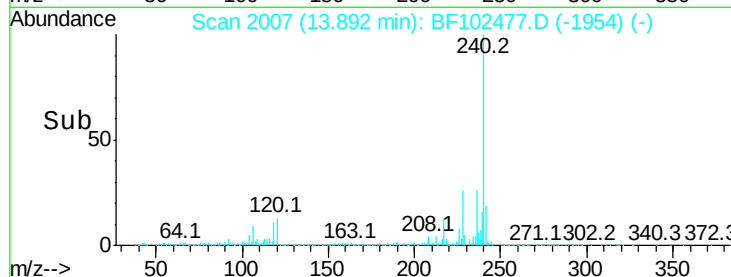
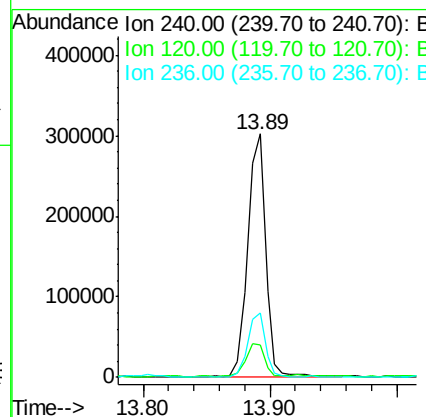
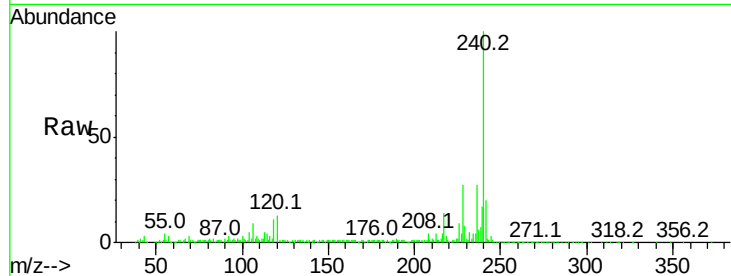
ClientSampleId :

PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 51.342 ng

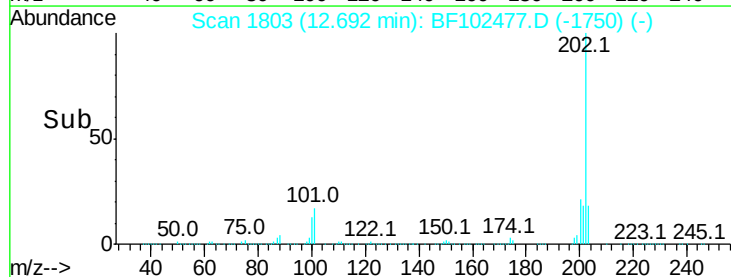
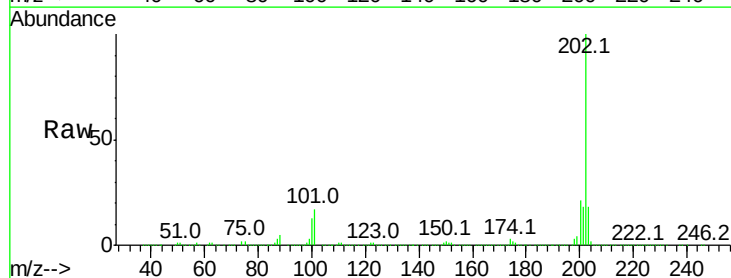
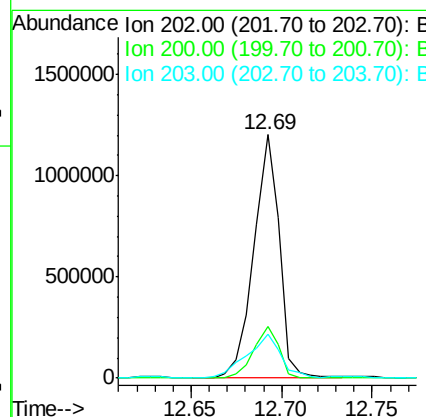
RT: 12.69 min Scan# 1803

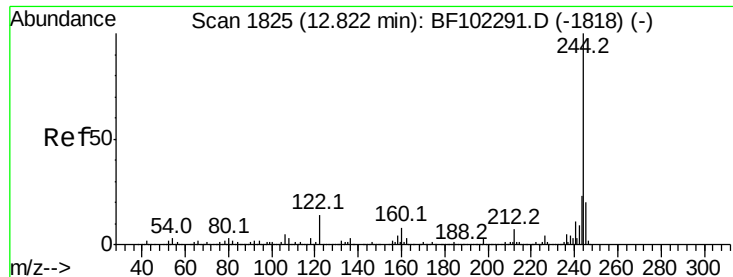
Delta R.T. 0.01 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 36.520 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Instrument :

BNA_F

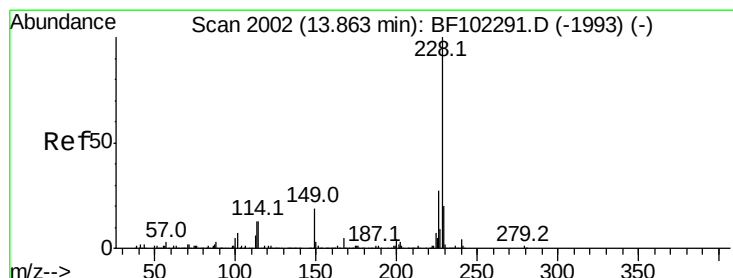
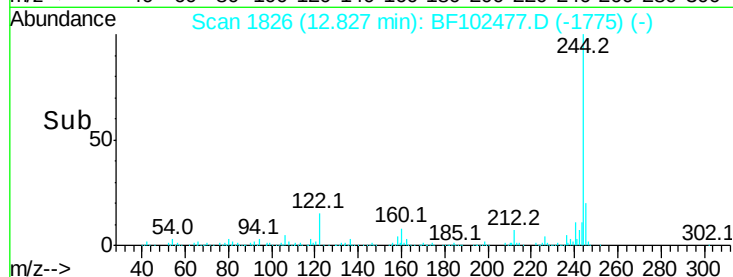
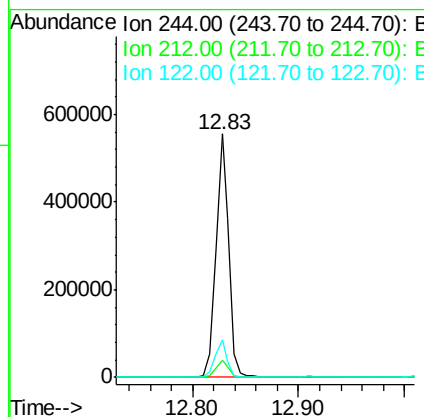
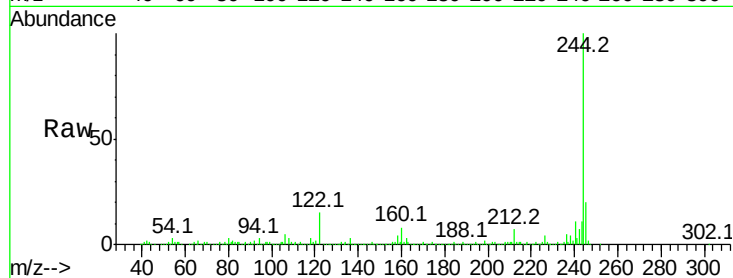
ClientSampleId :

PL-01-012418-C

Tot Ion:	244	Resp:	478424
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	15.2	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 27.619 ng

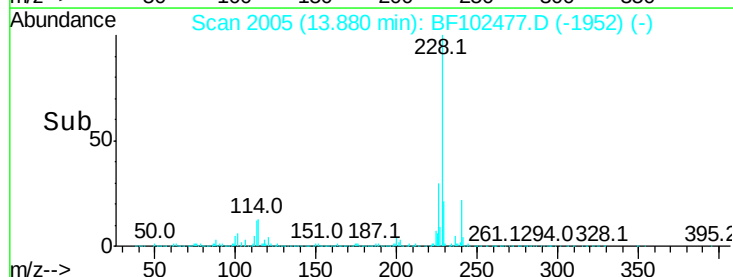
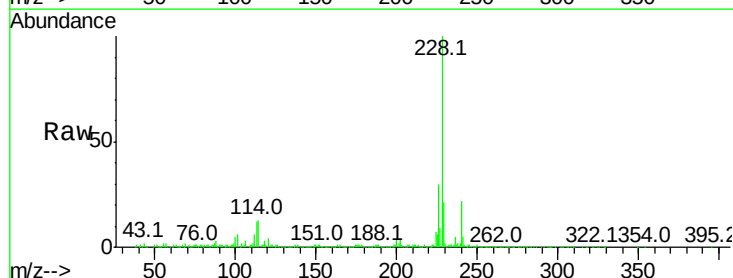
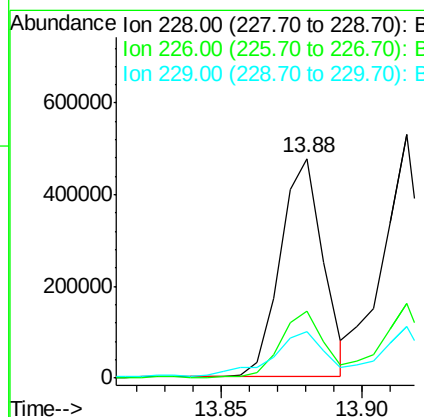
RT: 13.88 min Scan# 2005

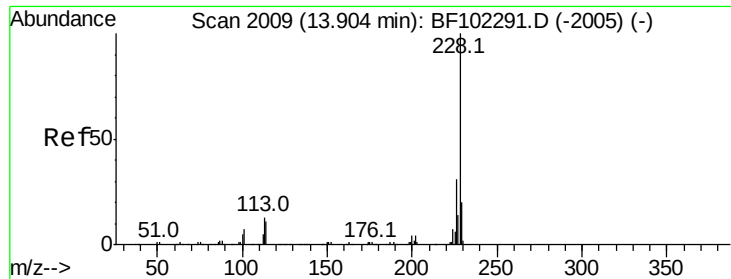
Delta R.T. 0.01 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Tgt Ion:	228	Resp:	502182
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	21.3	15.8	23.6





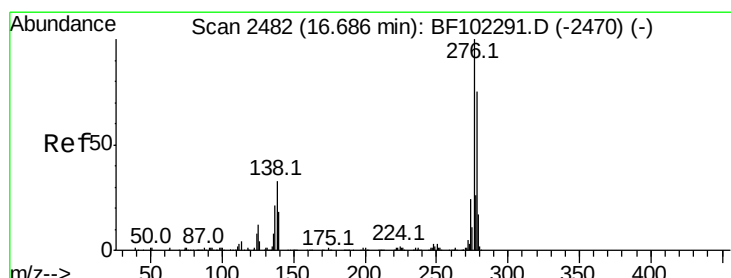
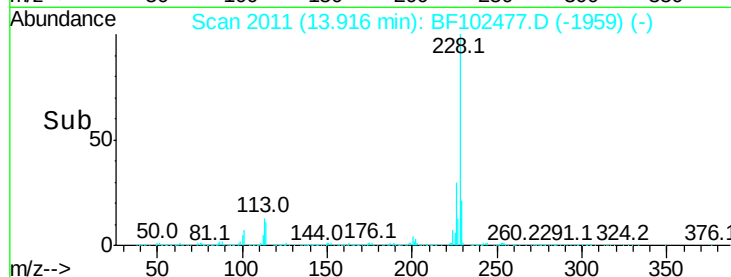
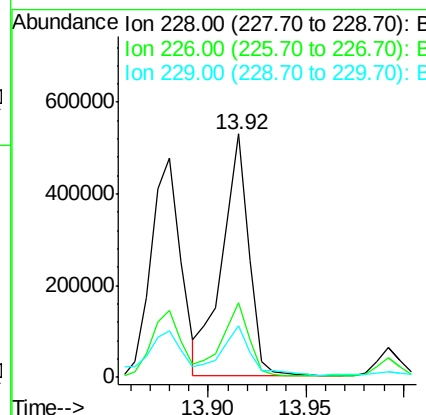
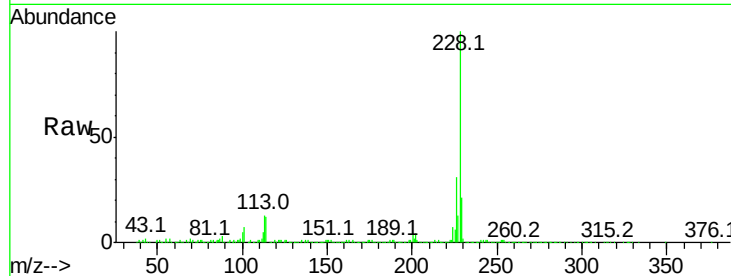
#82
Chrysene
Concen: 27.432 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.3	16.2	24.4

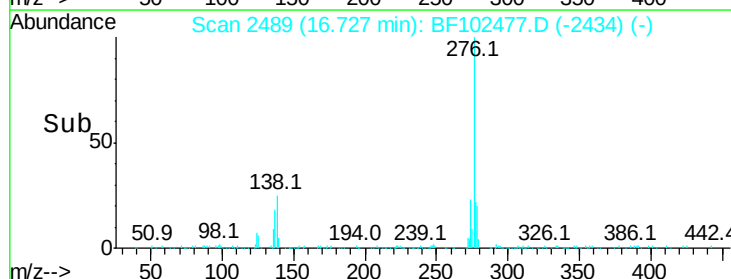
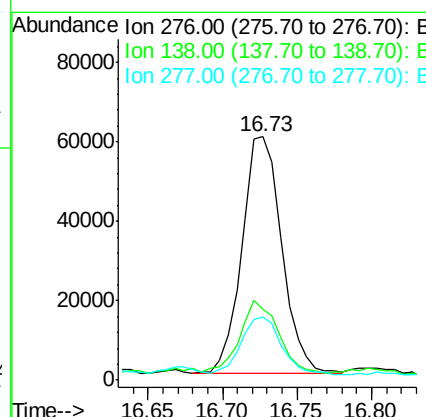
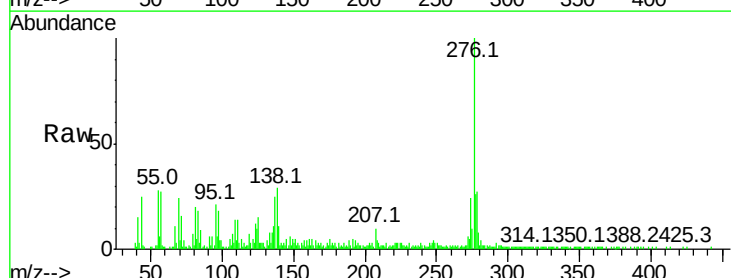
Manual Integrations
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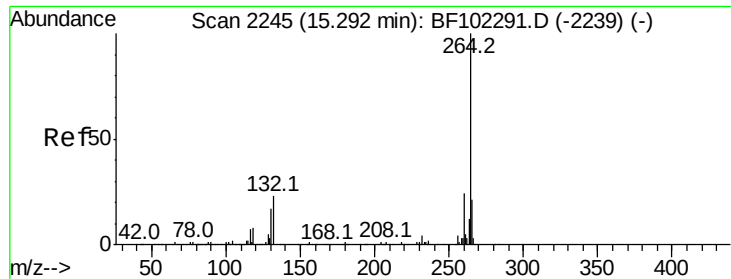
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.240 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	24.6	20.1	30.1





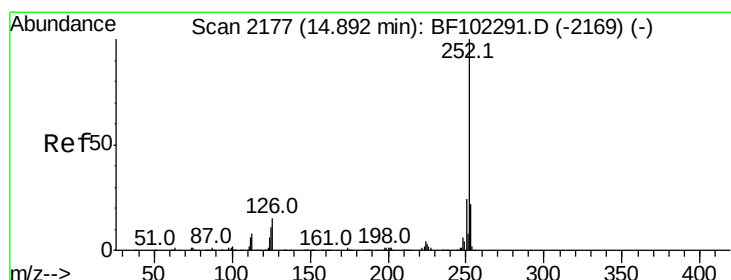
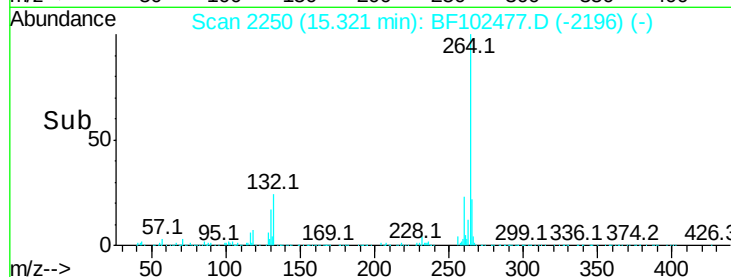
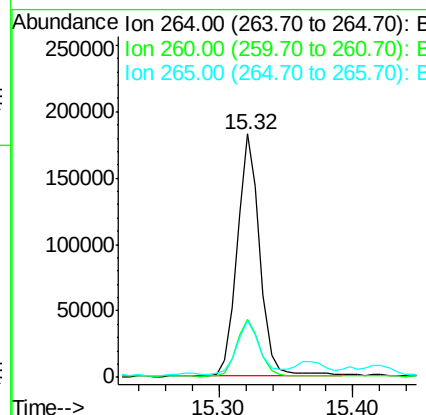
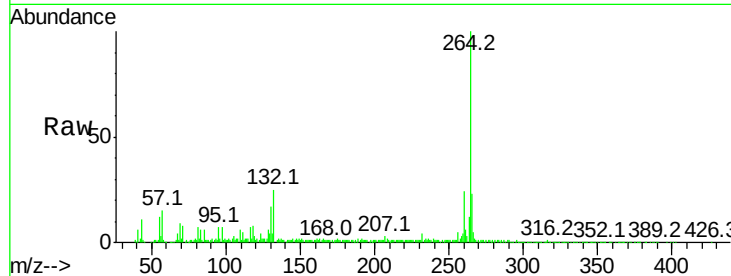
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.2	17.5	26.3

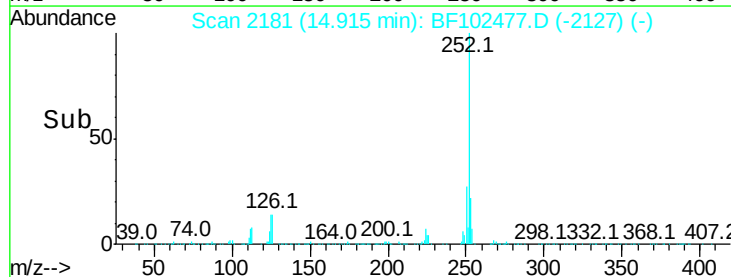
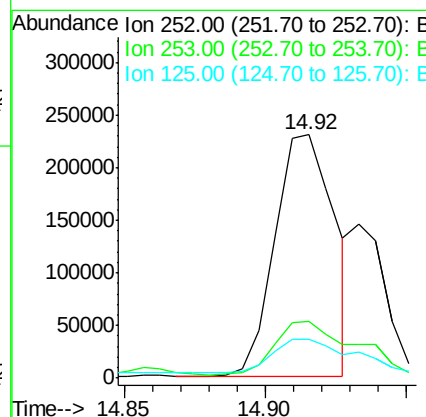
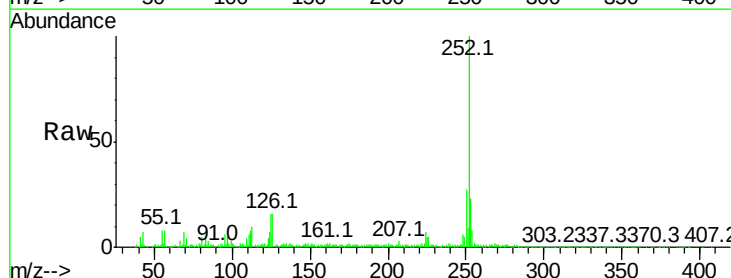
Manual Integrations
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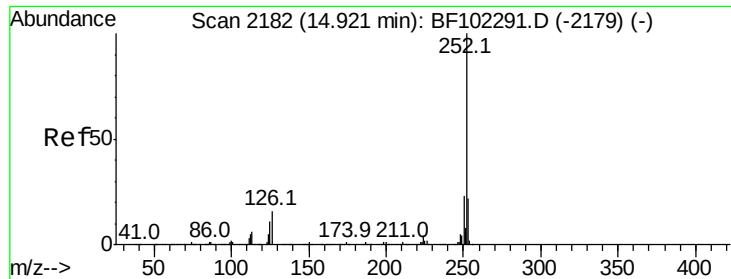
Sohil
1/27/2018 1:47:10 PM



#87
Benzo(b)fluoranthene
Concen: 24.253 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	16.2	9.0	13.6





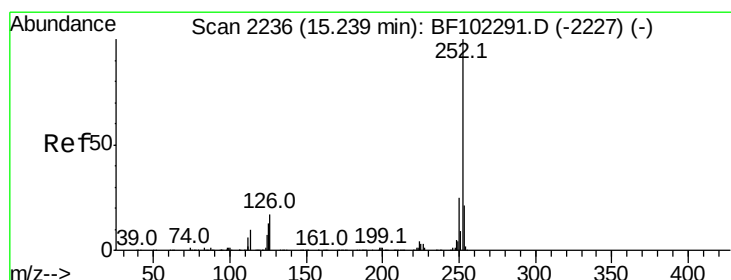
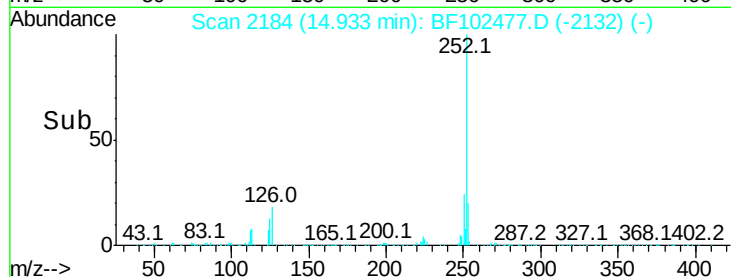
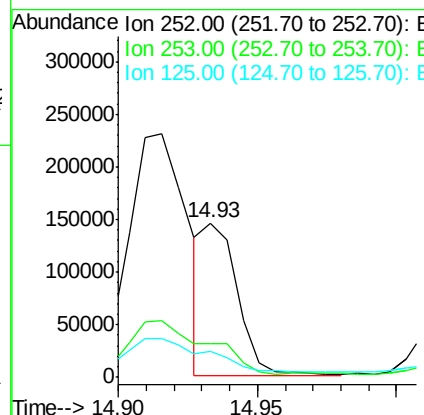
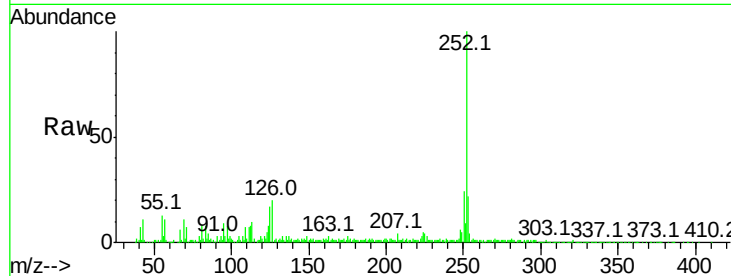
#88
Benzo(k)fluoranthene
Concen: 9.438 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Instrument :
BNA_F
ClientSampleId :
PL-01-012418-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	16.6	10.2	15.2

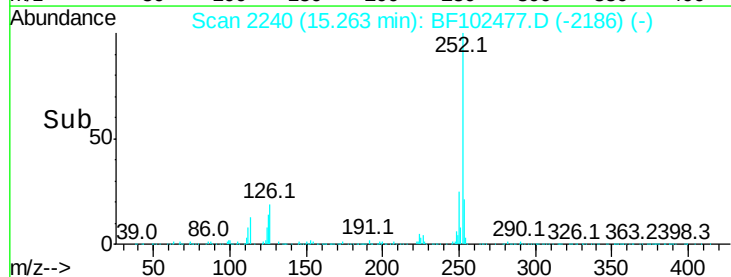
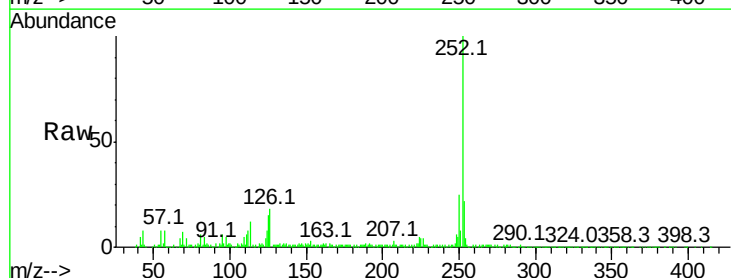
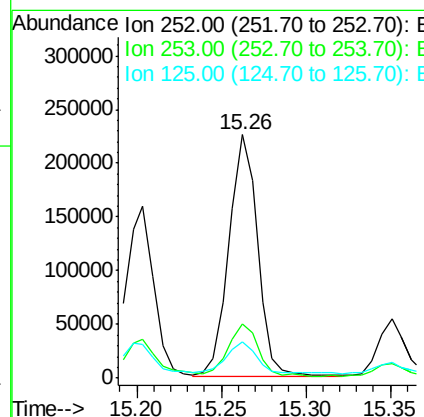
Manual Integrations
APPROVED

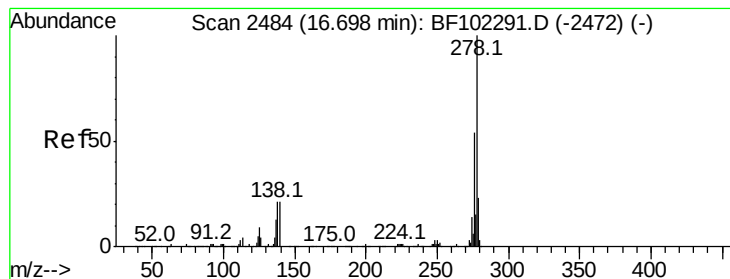
Sohil
1/27/2018 1:47:10 PM



#89
Benzo(a)pyrene
Concen: 21.110 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102477.D
Acq: 26 Jan 2018 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.0	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.253 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Instrument :

BNA_F

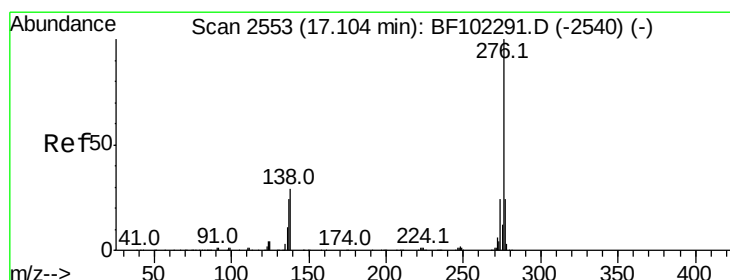
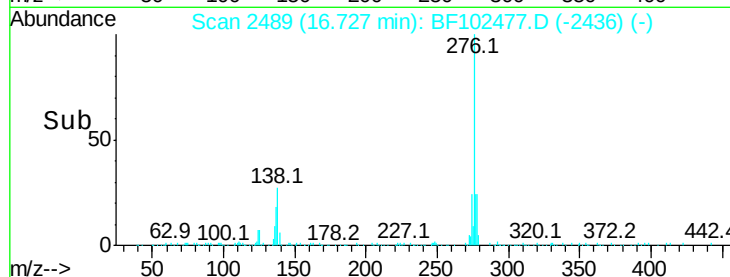
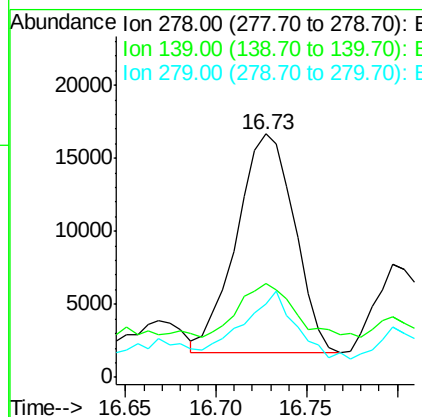
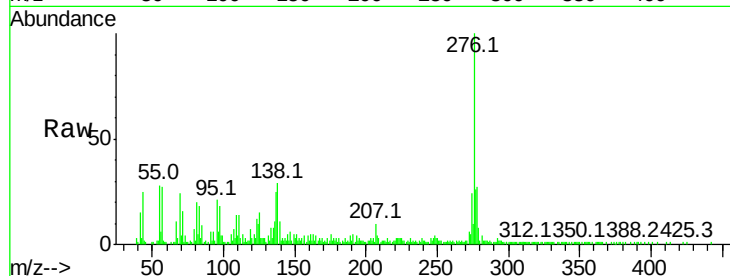
ClientSampleId :

PL-01-012418-C

Tot Ion:278	Resp:	33153
Ion Ratio	Lower	Upper
278	100	
139	38.7	15.9 23.9#
279	30.0	19.0 28.4#

Manual Integrations
APPROVED

Sohil
1/27/2018 1:47:10 PM



#91

Benzo(g,h,i)perylene

Concen: 11.909 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.03 min

Lab File: BF102477.D

Acq: 26 Jan 2018 19:09

Tgt Ion:276	Resp:	119823
Ion Ratio	Lower	Upper
276	100	
277	24.4	17.9 26.9
138	30.7	21.8 32.8

