

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107301.D
 Acq On : 11 Jul 2018 15:45
 Operator : JU/SJ
 Sample : J3933-03 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6

Manual Integrations
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Quant Time: Jul 11 16:59:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	58122	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	209363	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	87100	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	151804	20.00	ng	0.00
75) Chrysene-d12	14.14	240	179618	20.00	ng	0.00
86) Perylene-d12	15.68	264	172211	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	89411	26.05	ng	0.00
7) Phenol-d6	6.58	99	110516	25.78	ng	0.00
23) Nitrobenzene-d5	7.50	82	64907	17.23	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	22041	21.83	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	109999	8.02	ng	0.00
78) Terphenyl-d14	13.06	244	112369	15.15	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.68	163	19538	2.991	ng	99
70) Phenanthrene	11.50	178	295361	40.340	ng	100
71) Anthracene	11.55	178	81103	10.852	ng	97
72) Carbazole	11.71	167	22973	3.283	ng	97
74) Fluoranthene	12.71	202	701742	86.956	ng	95
77) Pyrene	12.94	202	748314	63.178	ng	100
80) Benzo(a)anthracene	14.13	228	526618	48.105	ng	99
82) Chrysene	14.17	228	448935	44.575	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	182492m	21.352	ng	
87) Benzo(b)fluoranthene	15.23	252	603153m	56.382	ng	
88) Benzo(k)fluoranthene	15.25	252	154352m	15.151	ng	
89) Benzo(a)pyrene	15.62	252	409113m	43.019	ng	
90) Dibenzo(a,h)anthracene	17.27	278	48319m	5.995	ng	
91) Benzo(g,h,i)perylene	17.76	276	166894	21.186	ng	89

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

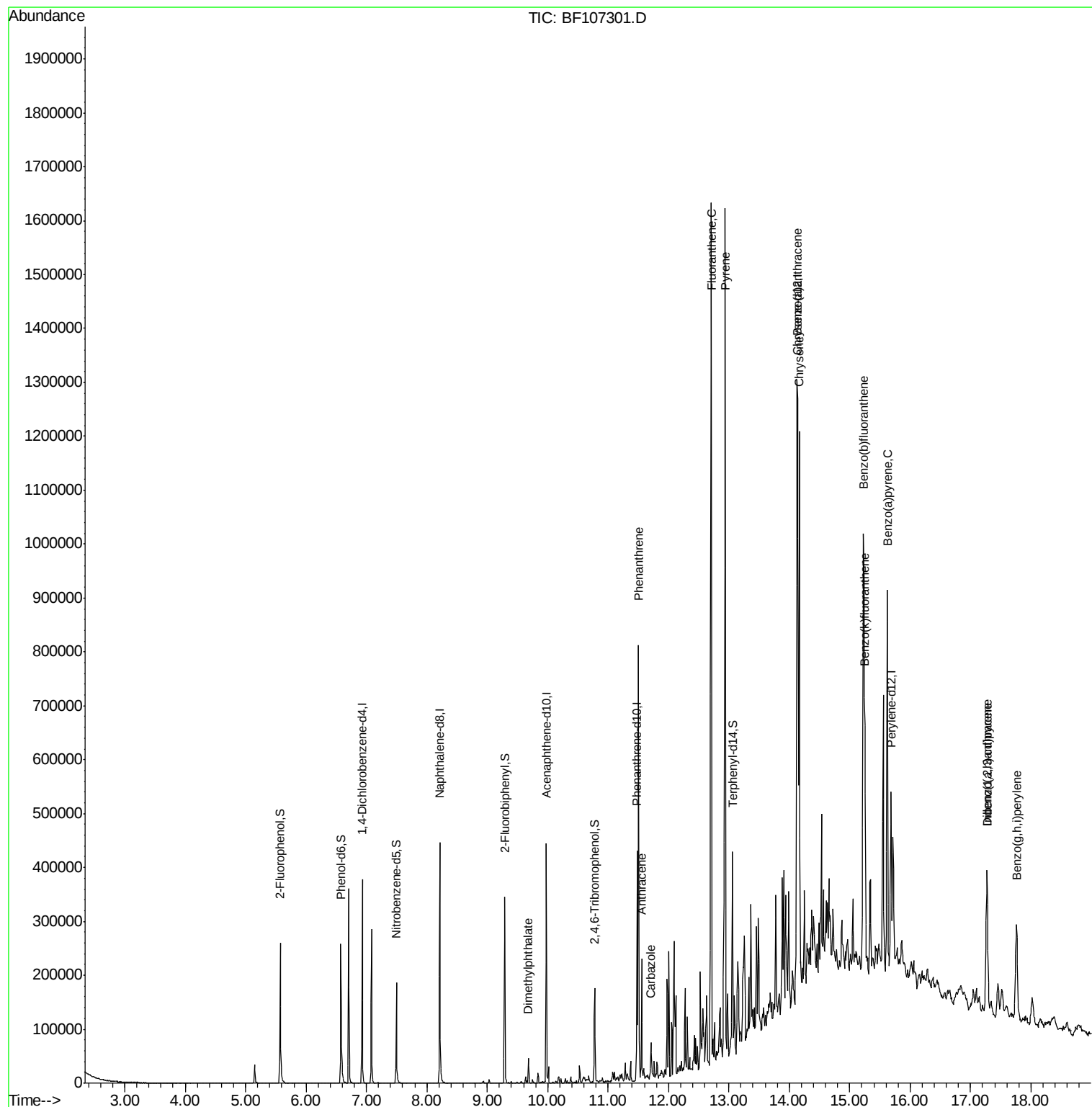
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107301.D
Acq On : 11 Jul 2018 15:45
Operator : JU/SJ
Sample : J3933-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

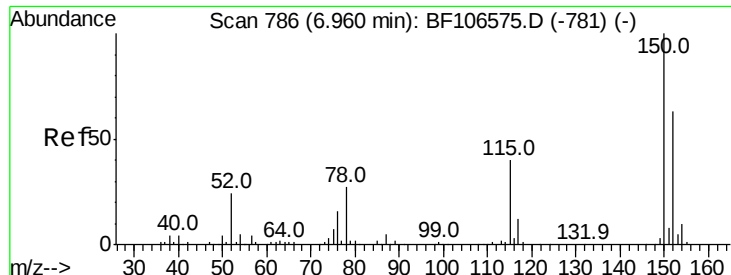
Instrument :
BNA_F
ClientSampleId :
EP-3-6

Quant Time: Jul 11 16:59:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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QLast Update : Wed Jul 11 16:39:37 2018
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#1

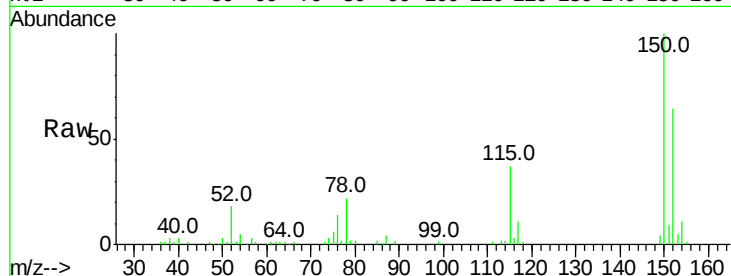
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Instrument :
BNA_F
ClientSampled :
EP-3-6

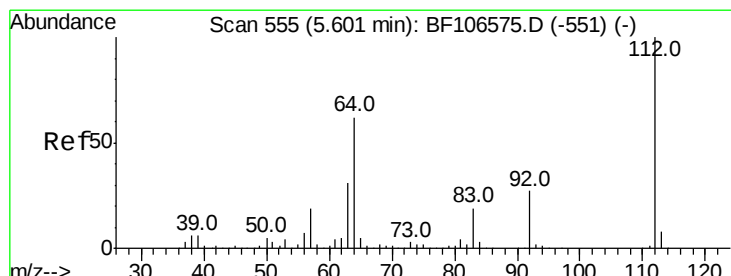
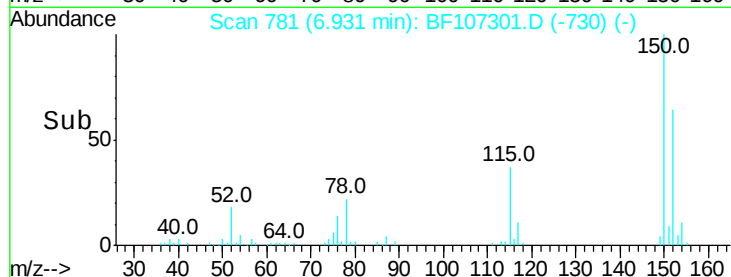
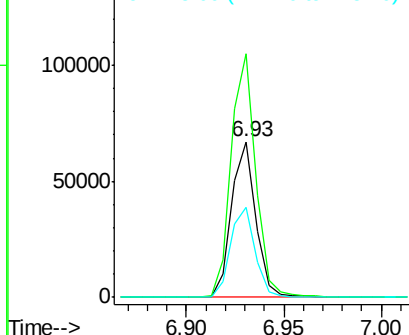
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	58.2	50.1	75.1

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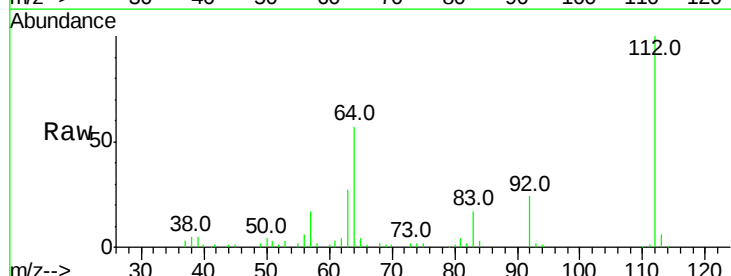
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



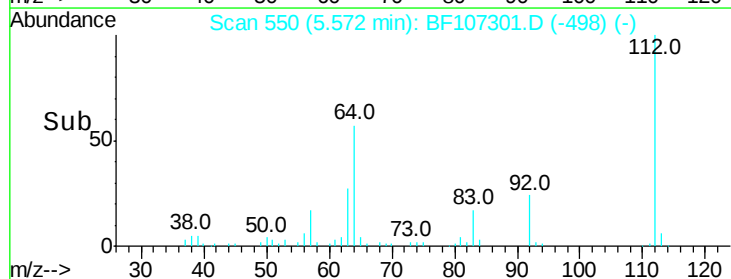
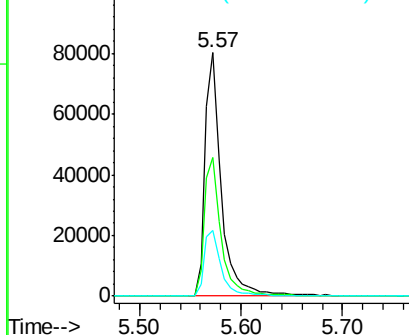
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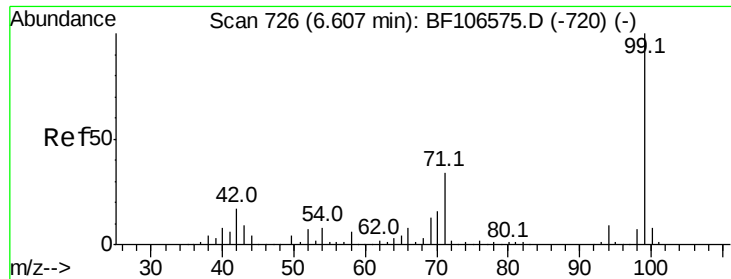
2-Fluorophenol
Concen: 26.049 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	26.8	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 25.783 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107301.D

Acq: 11 Jul 2018 15:45

Instrument :

BNA_F

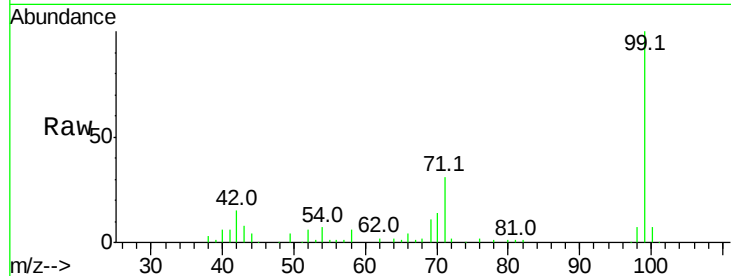
ClientSampled :

EP-3-6

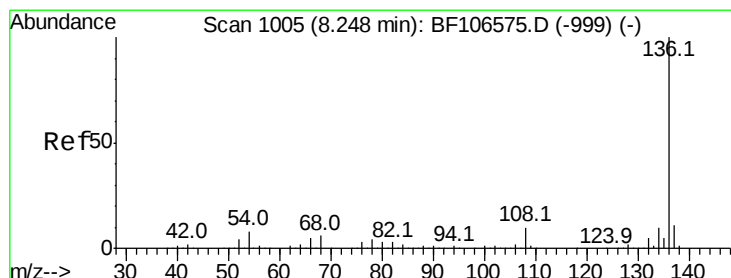
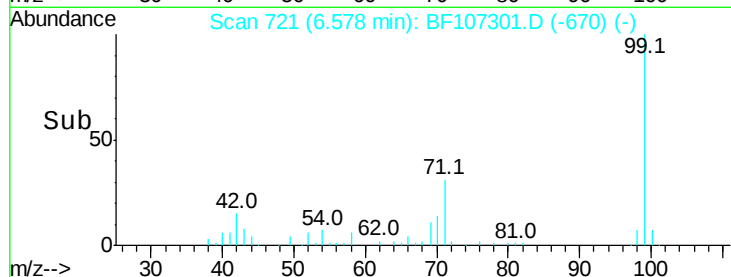
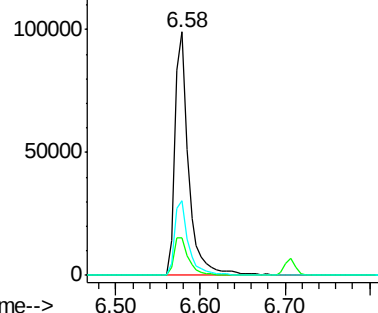
Tot Ion:	99	Resp:	110516
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	30.7	25.4	38.0

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 999

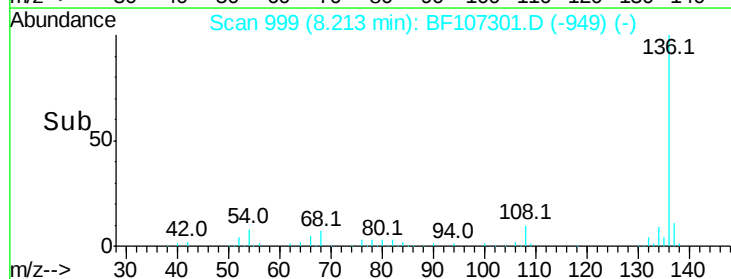
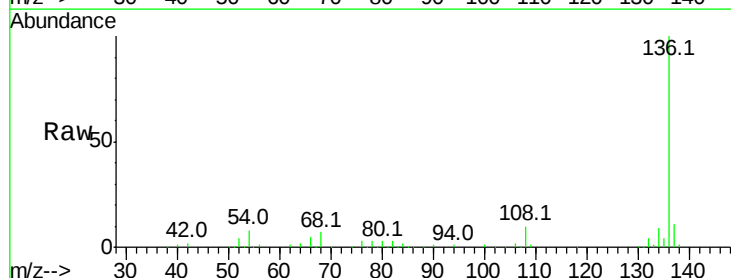
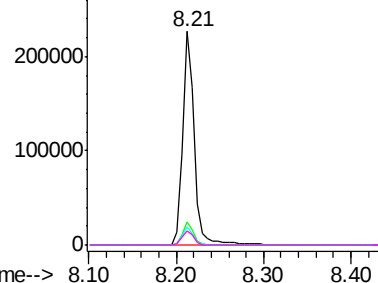
Delta R.T. -0.01 min

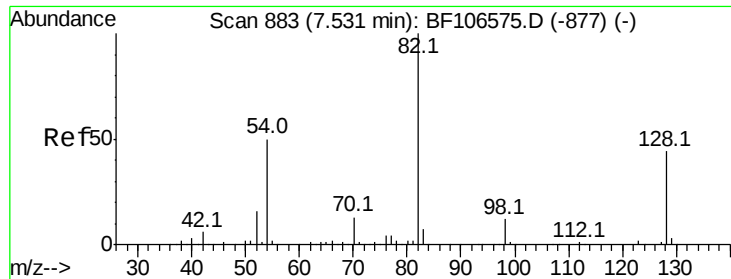
Lab File: BF107301.D

Acq: 11 Jul 2018 15:45

Tgt Ion:	136	Resp:	209363
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.2	6.6	9.8
68	6.5	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





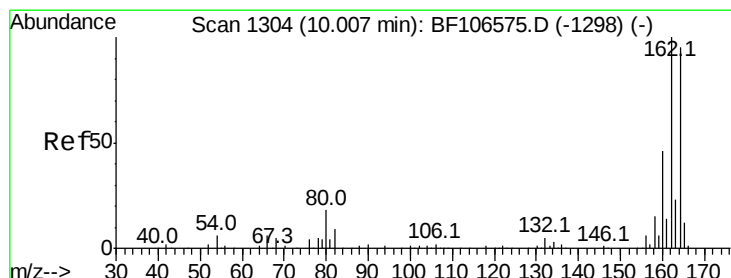
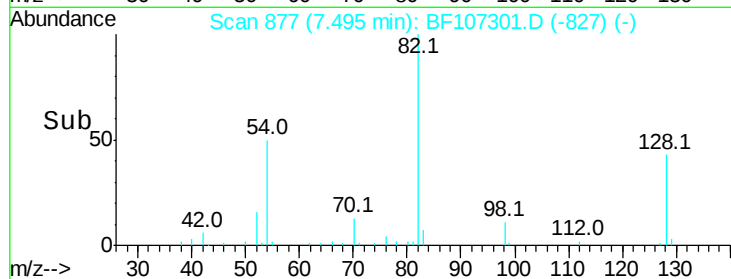
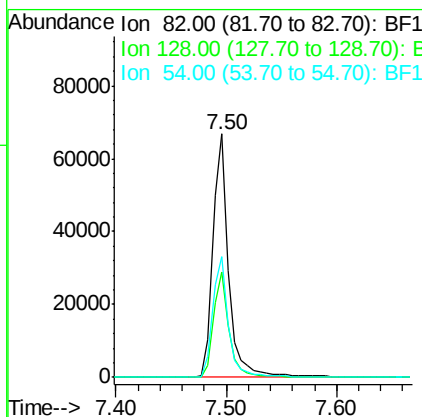
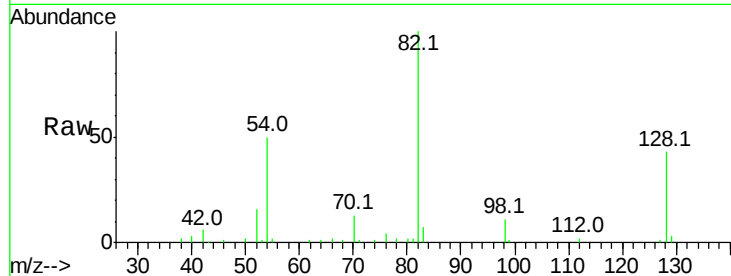
#23
 Nitrobenzene-d5
 Concen: 17.229 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Instrument :
 BNA_F
 ClientSampled :
 EP-3-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	49.6	41.4	62.2

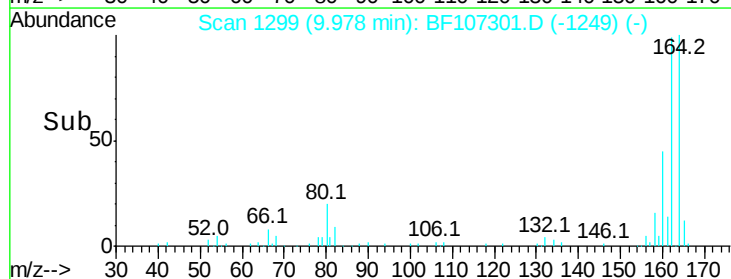
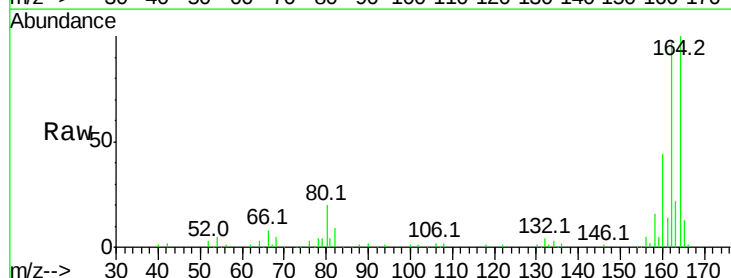
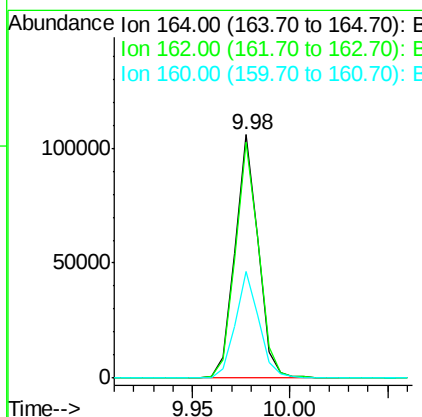
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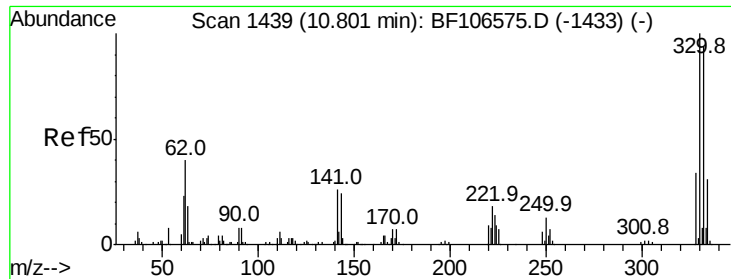
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	86.1	129.1
160	43.9	38.3	57.5





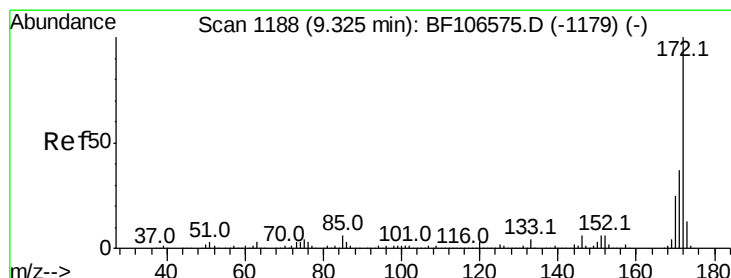
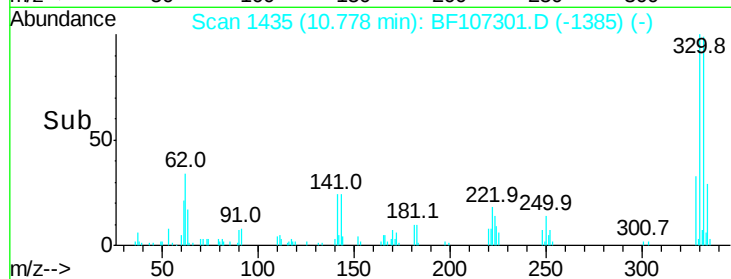
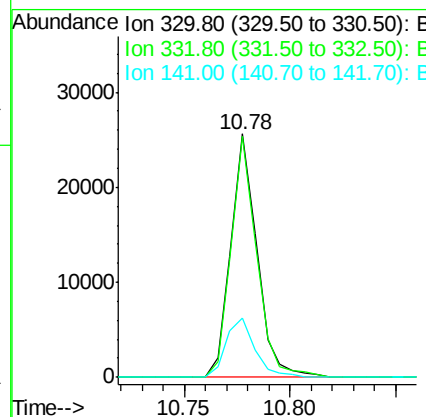
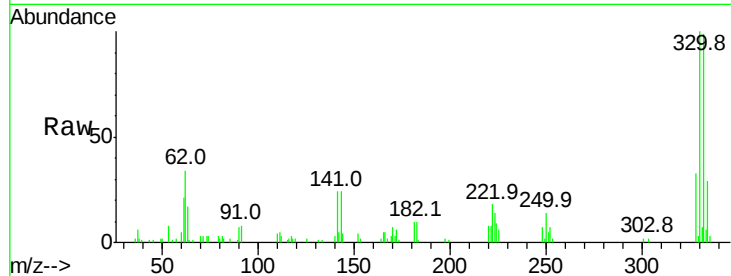
#41
 2,4,6-Tribromophenol
 Concen: 21.833 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Instrument :
 BNA_F
 ClientSampled :
 EP-3-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	26.8	29.9	44.9#

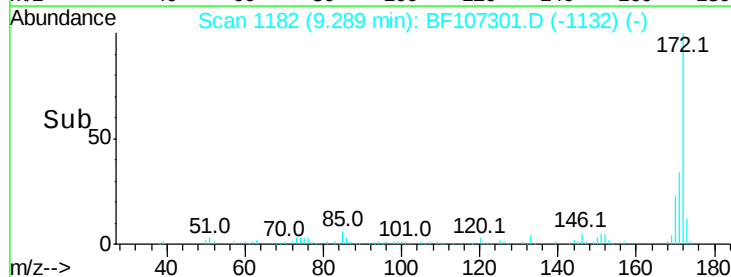
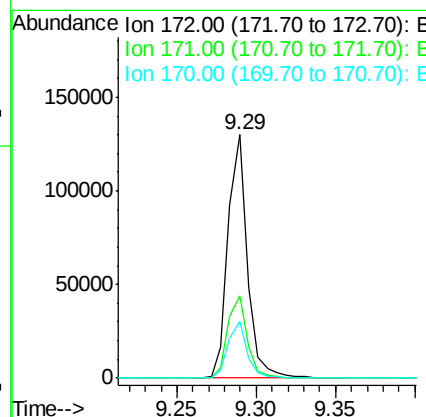
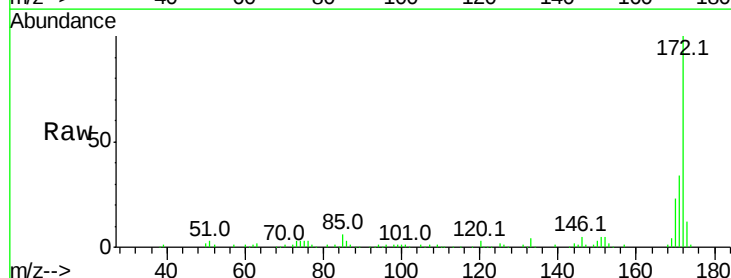
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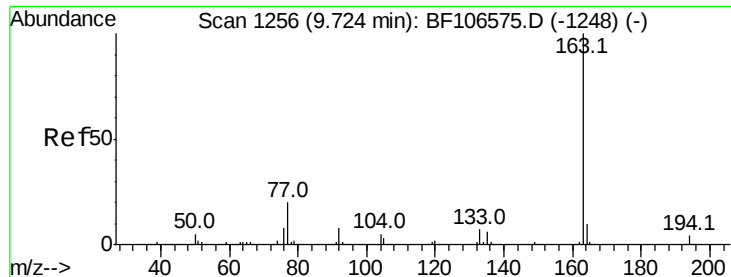
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#44
 2-Fluorobiphenyl
 Concen: 8.016 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	23.3	19.6	29.4





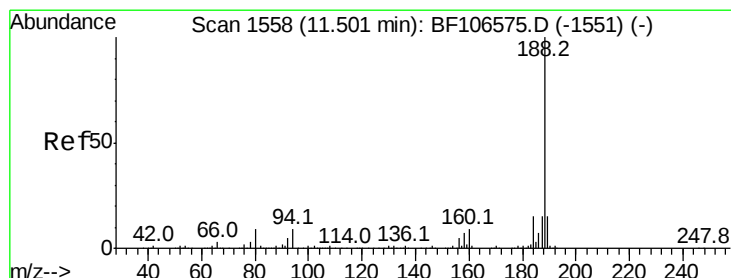
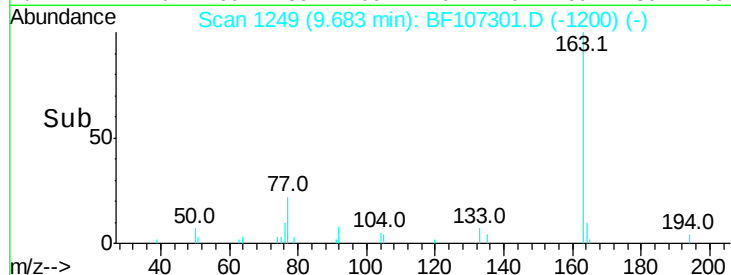
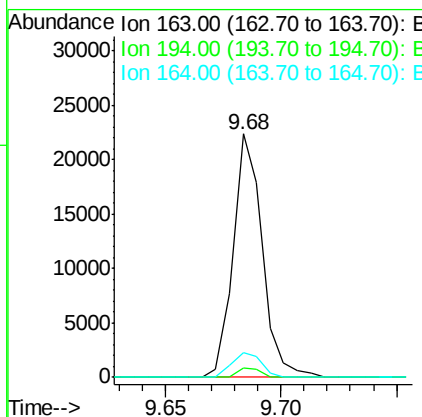
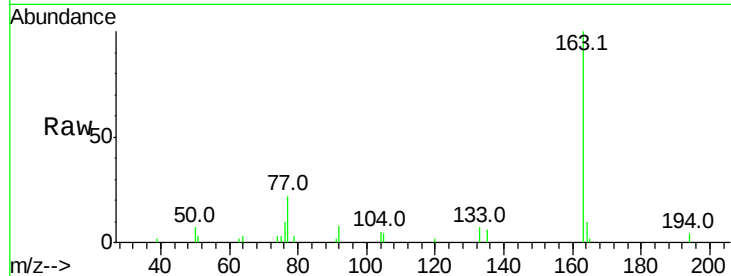
#49
Dimethylphthalate
Concen: 2.991 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Instrument :
BNA_F
ClientSampleId :
EP-3-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.1	8.2	12.2	

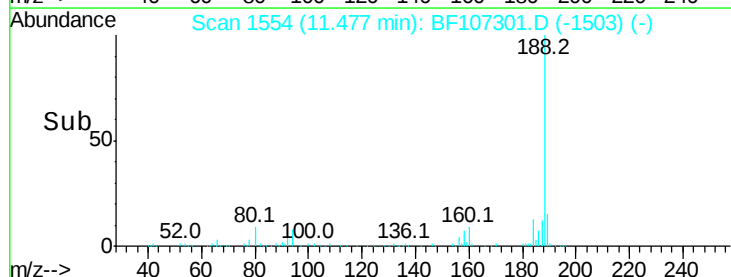
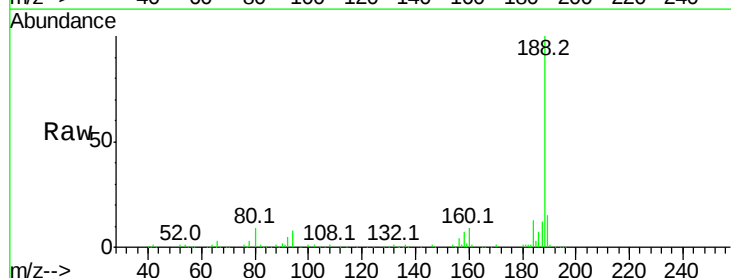
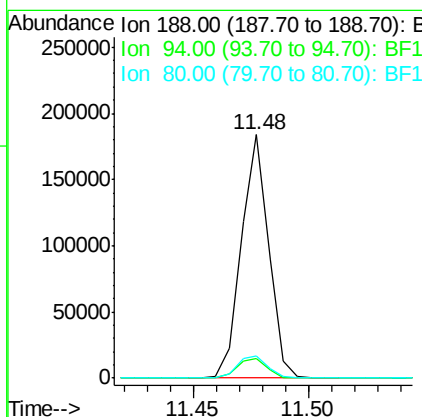
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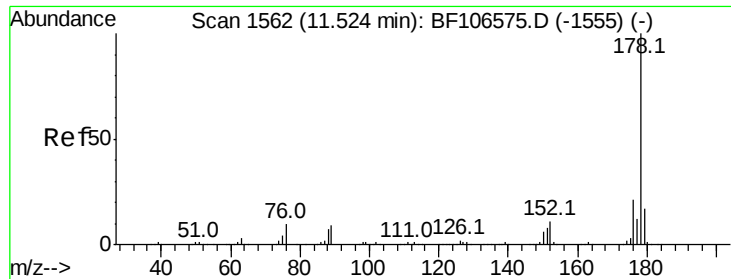
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.3	8.5	12.7#	
80	9.2	9.2	13.8	





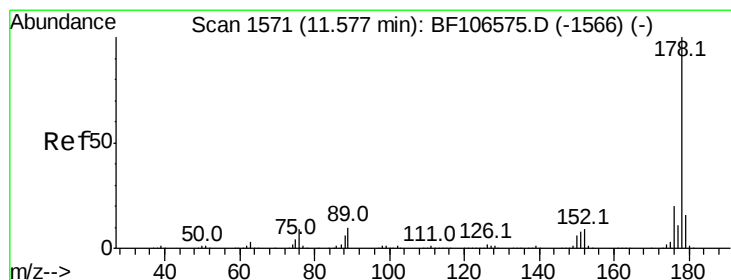
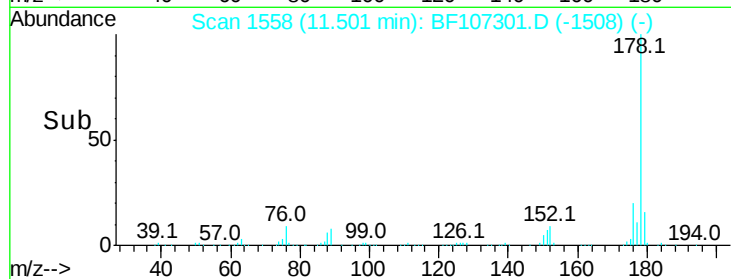
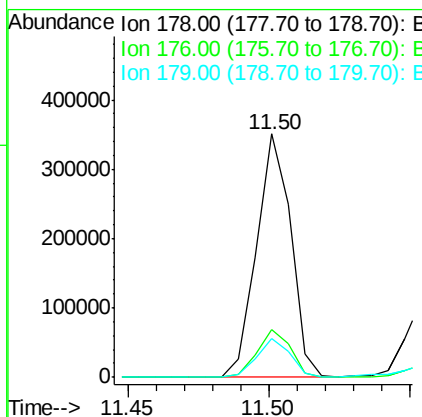
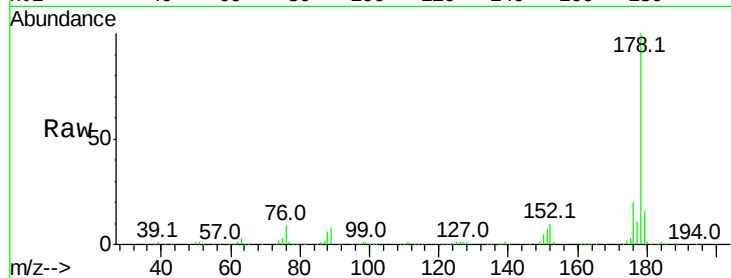
#70
Phenanthrene
Concen: 40.340 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Instrument :
BNA_F
ClientSampleId :
EP-3-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.9	13.0	19.6

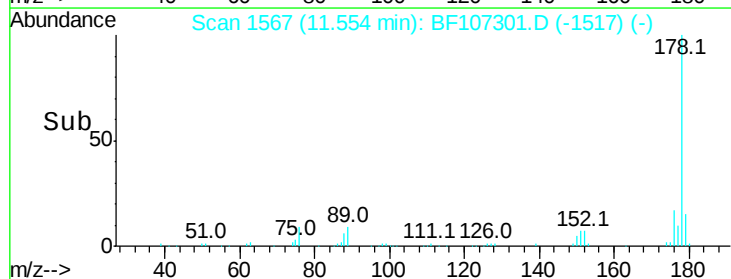
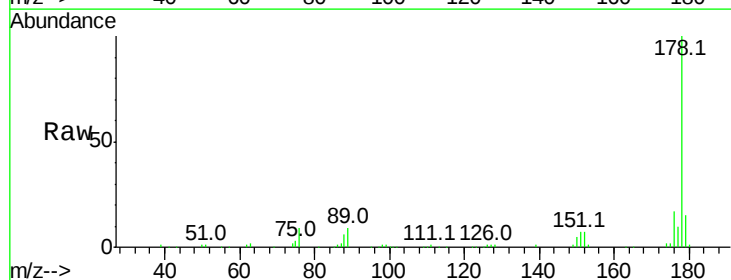
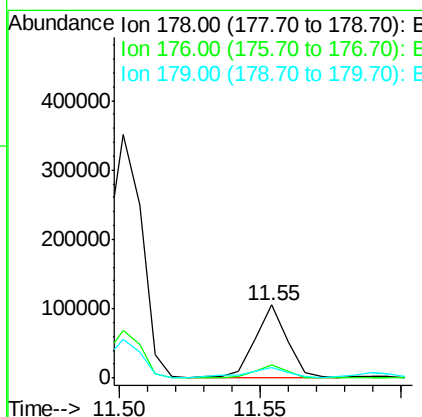
Manual Integrations
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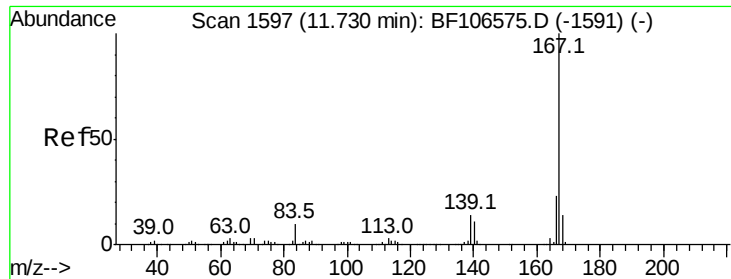
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#71
Anthracene
Concen: 10.852 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	15.1	12.6	19.0





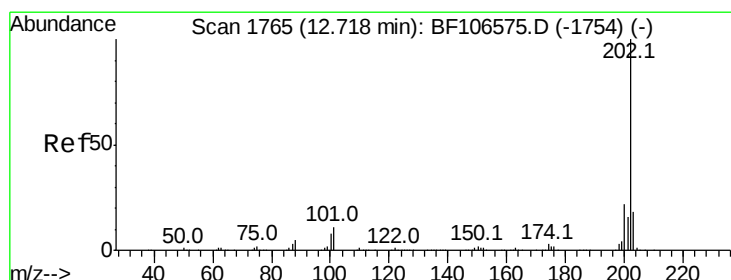
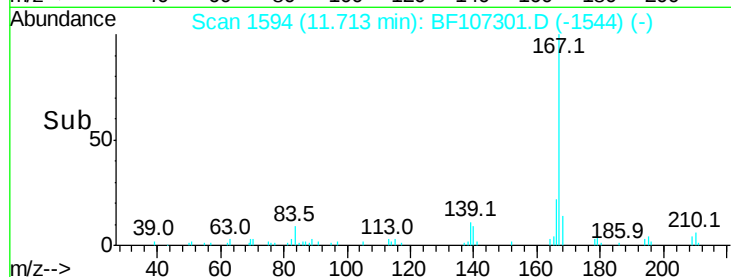
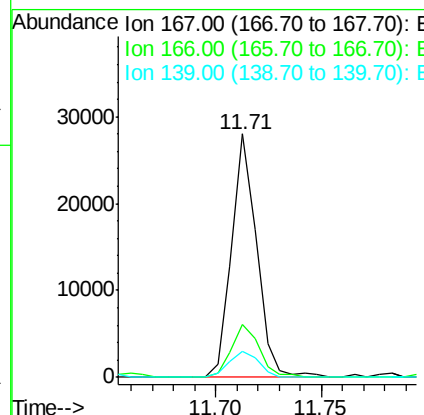
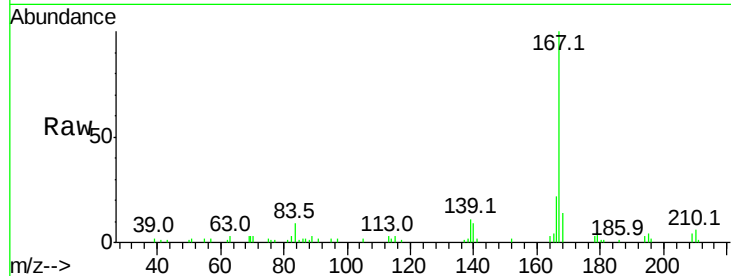
#72
 Carbazole
 Concen: 3.283 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Instrument :
 BNA_F
 ClientSampled :
 EP-3-6

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	10.8	10.9	16.3

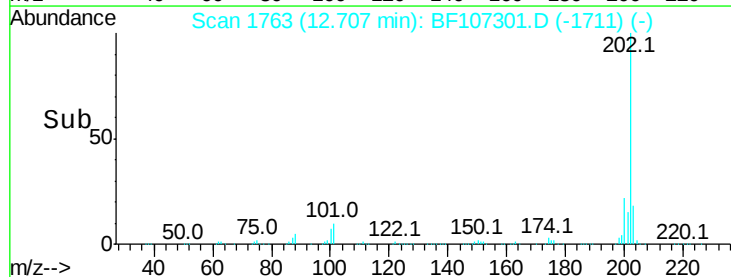
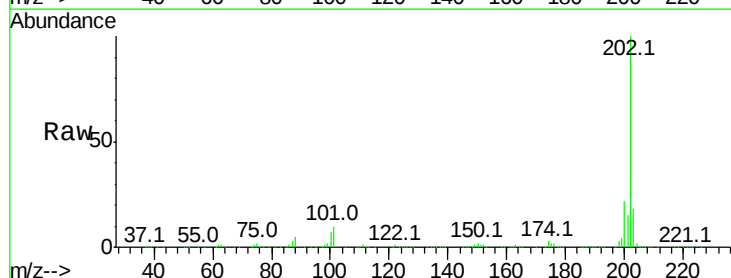
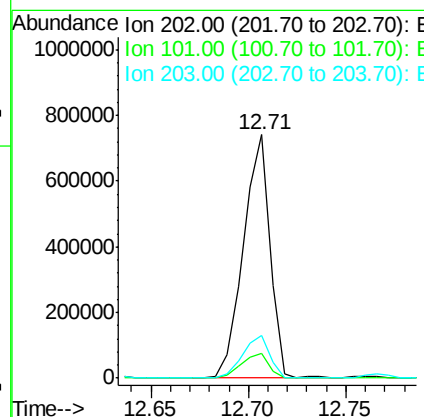
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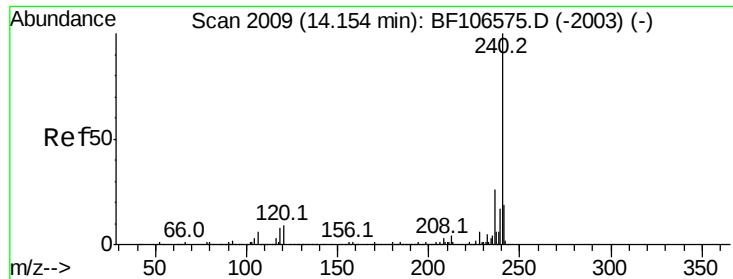
Sohil
 7/12/2018 2:19:21 PM



#74
 Fluoranthene
 Concen: 86.956 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107301.D

Acq: 11 Jul 2018 15:45

Instrument :

BNA_F

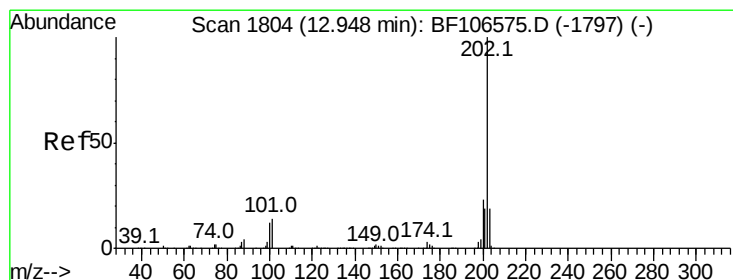
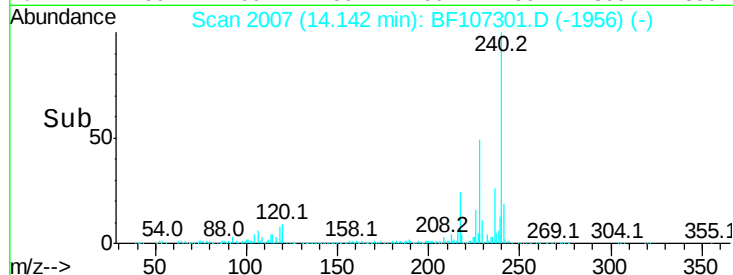
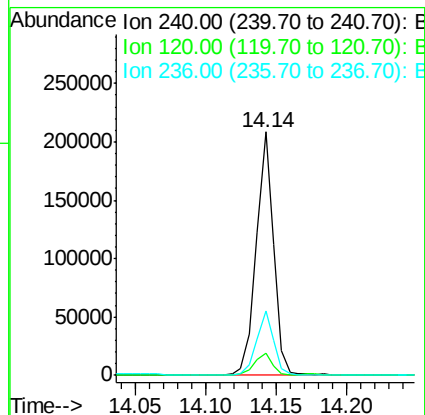
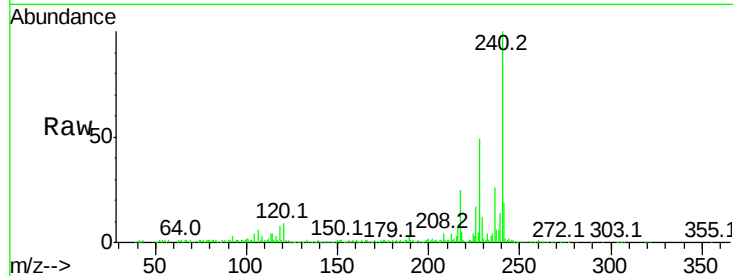
ClientSampled :

EP-3-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	26.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 63.178 ng

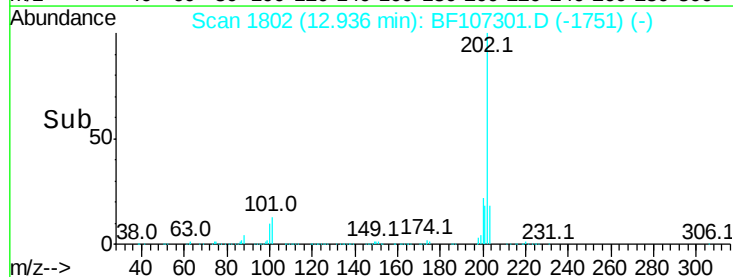
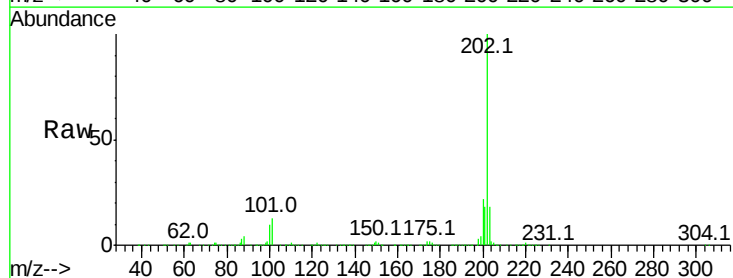
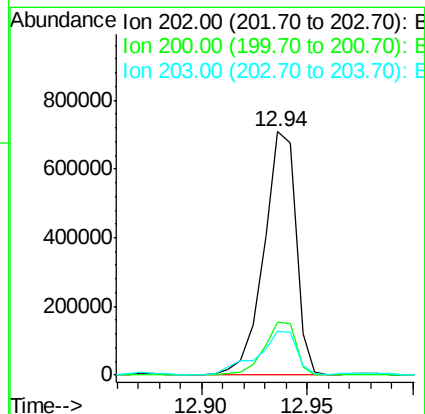
RT: 12.94 min Scan# 1802

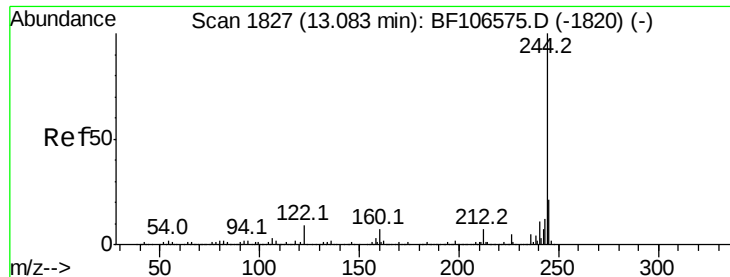
Delta R.T. -0.00 min

Lab File: BF107301.D

Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5





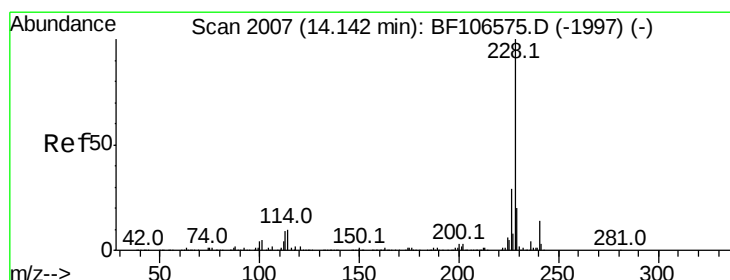
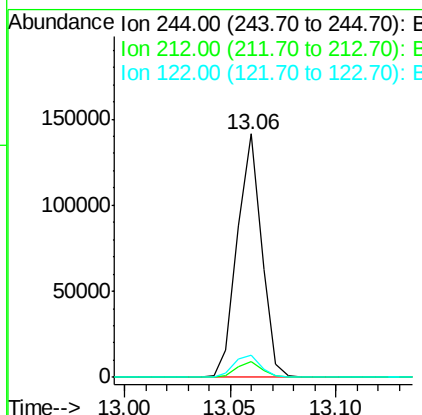
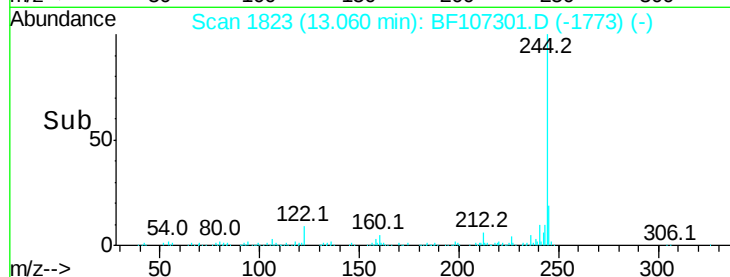
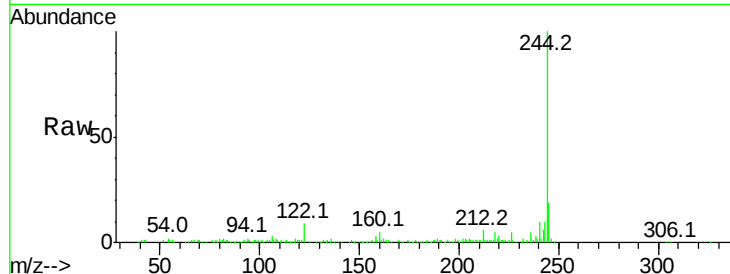
#78
 Terphenyl-d14
 Concen: 15.154 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.0	11.0	16.4

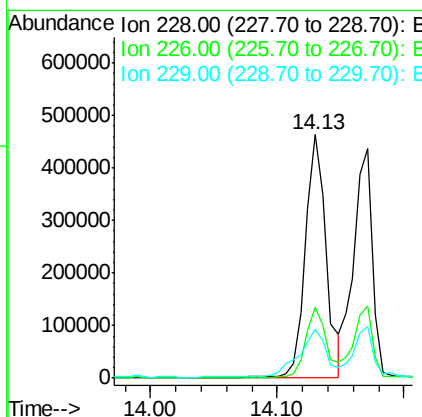
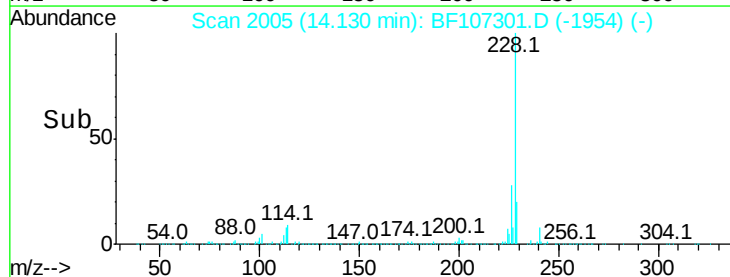
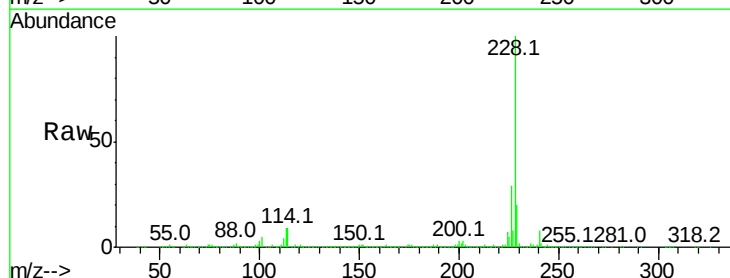
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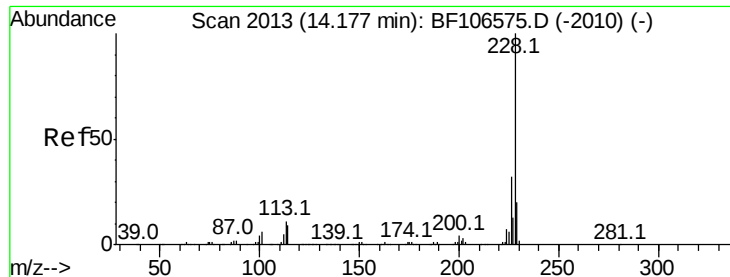
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#80
 Benzo(a)anthracene
 Concen: 48.105 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.4	15.8	23.6





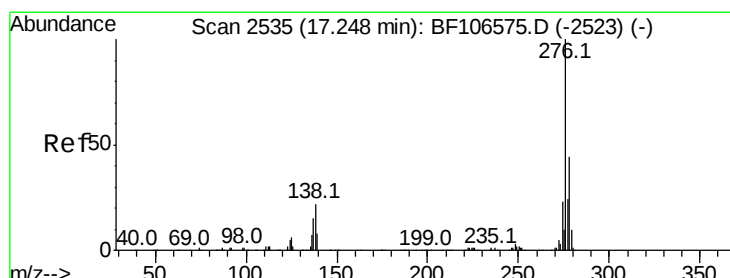
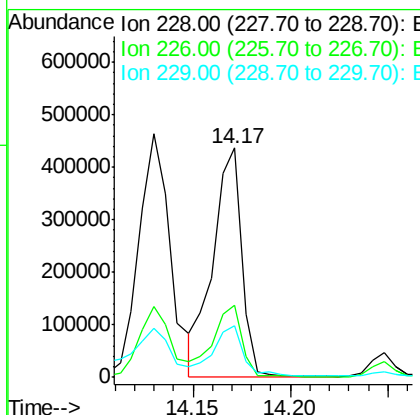
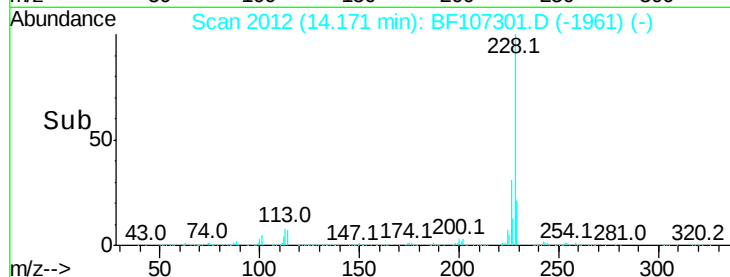
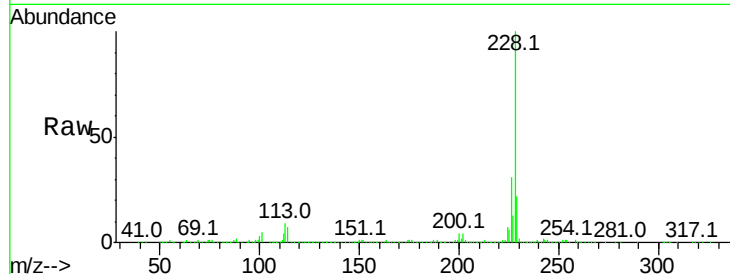
#82
 Chrysene
 Concen: 44.575 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Instrument :
 BNA_F
 ClientSampled :
 EP-3-6

Tot Ion:	228	Resp:	448935
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.3	16.2	24.4

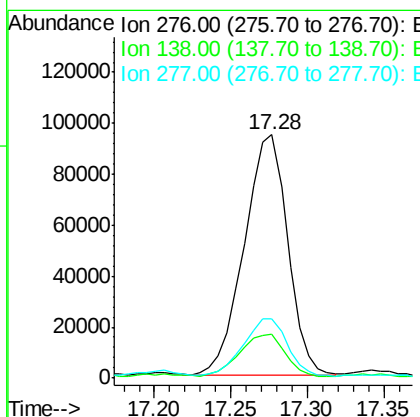
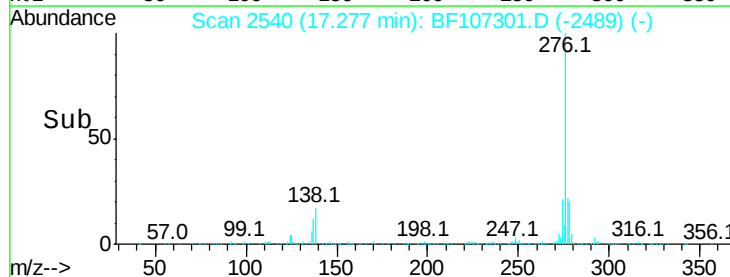
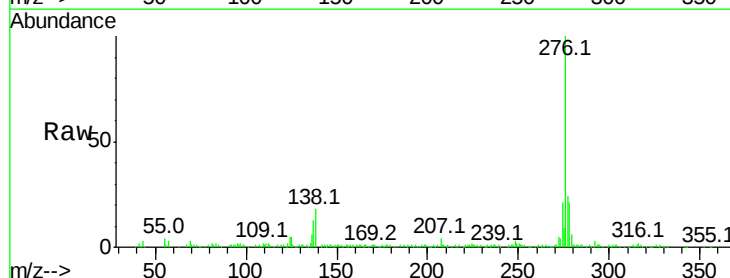
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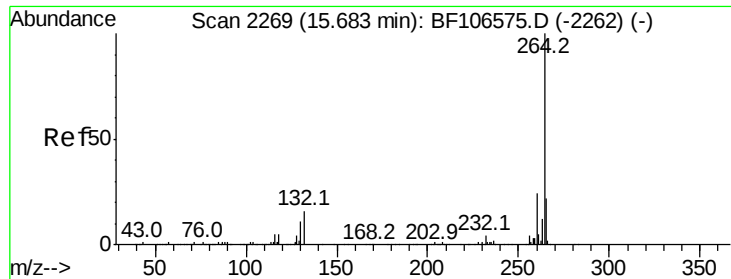
Sohil
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.352 ng m
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BF107301.D
 Acq: 11 Jul 2018 15:45

Tgt Ion:	276	Resp:	182492
Ion Ratio	Lower	Upper	
276	100		
138	1.6	25.0	37.6#
277	1.0	20.1	30.1#





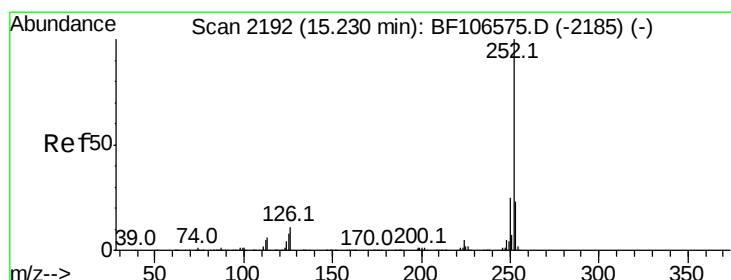
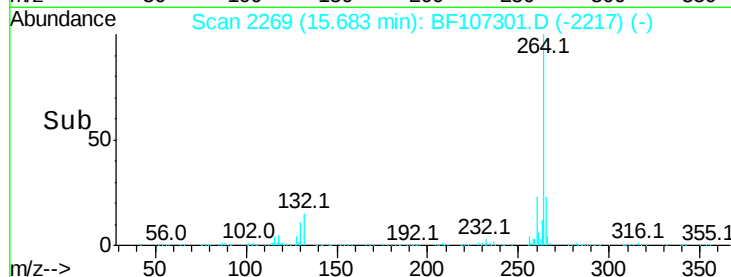
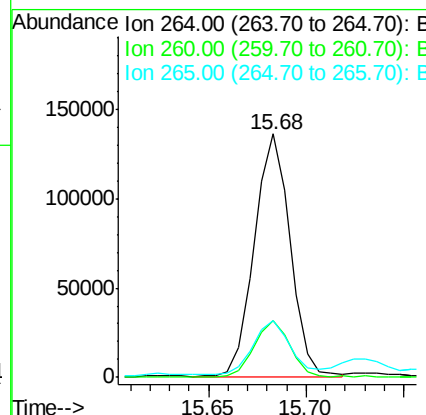
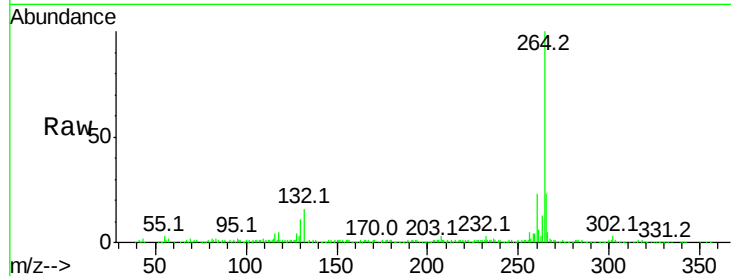
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Instrument :
BNA_F
ClientSampled :
EP-3-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	23.3	17.5	26.3

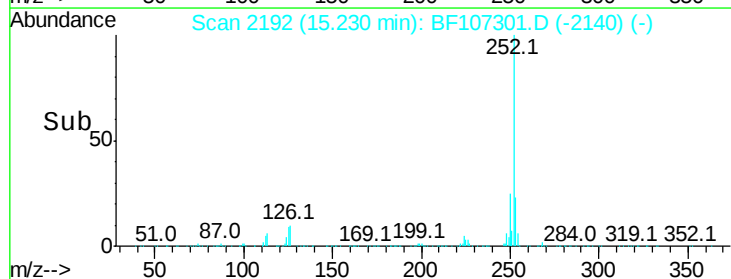
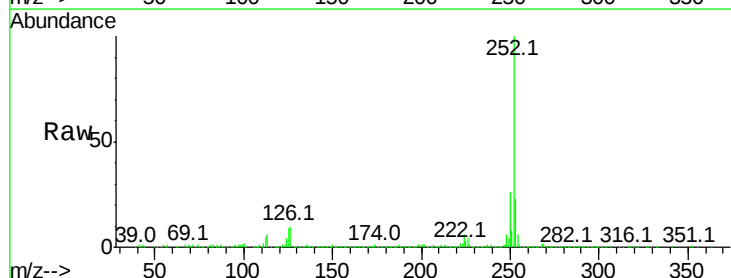
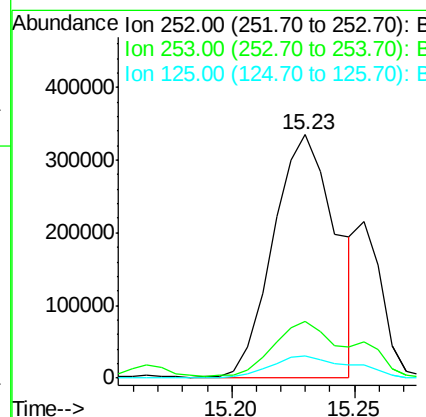
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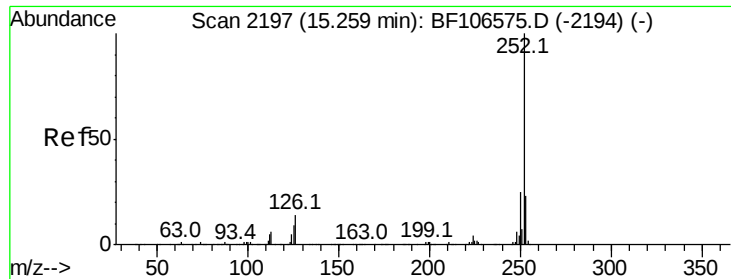
Sohil
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#87
Benzo(b)fluoranthene
Concen: 56.382 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	9.3	9.0	13.6





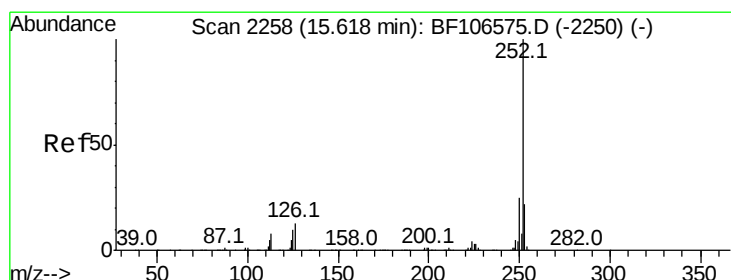
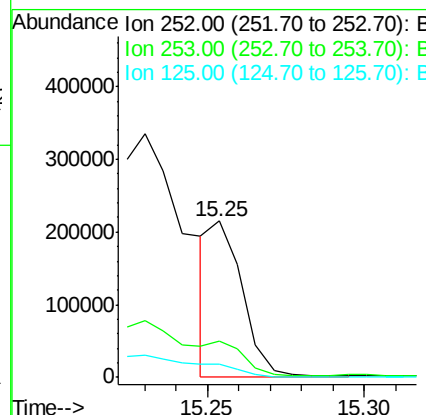
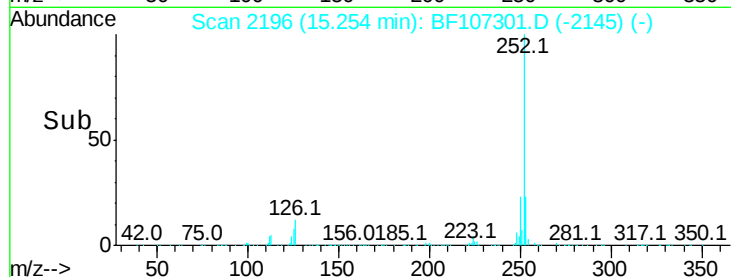
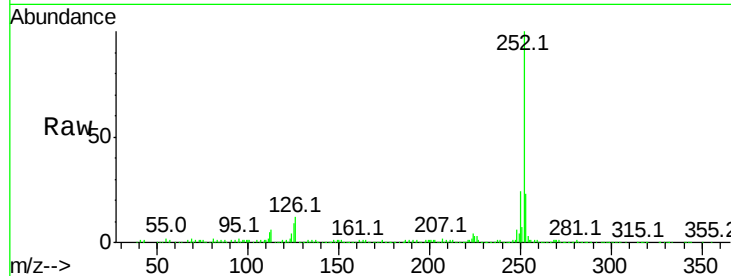
#88
Benzo(k)fluoranthene
Concen: 15.151 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Instrument :
BNA_F
ClientSampled :
EP-3-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	8.7	10.2	15.2#

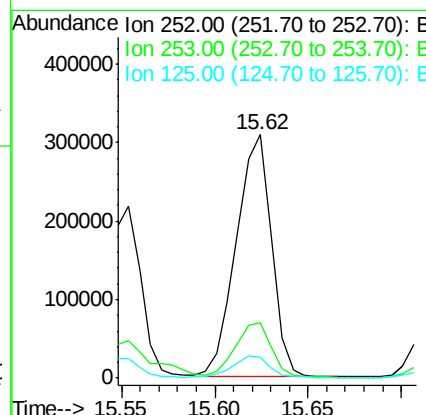
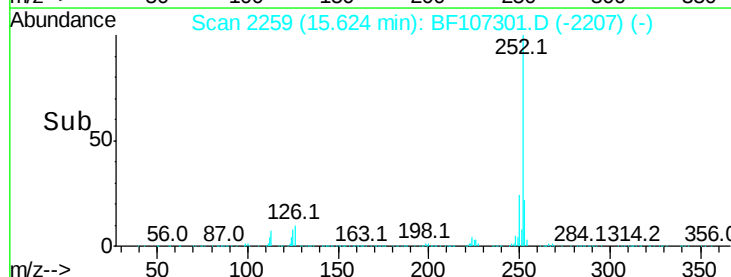
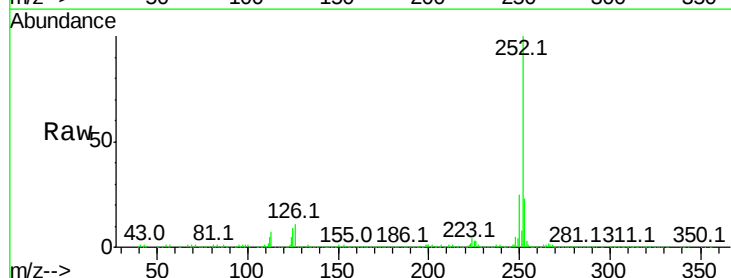
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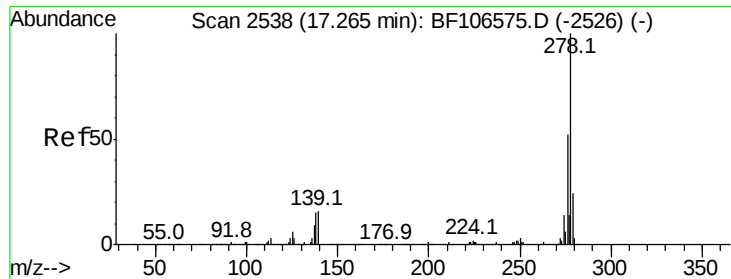
Sohil
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#89
Benzo(a)pyrene
Concen: 43.019 ng m
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	8.6	9.8	14.6#





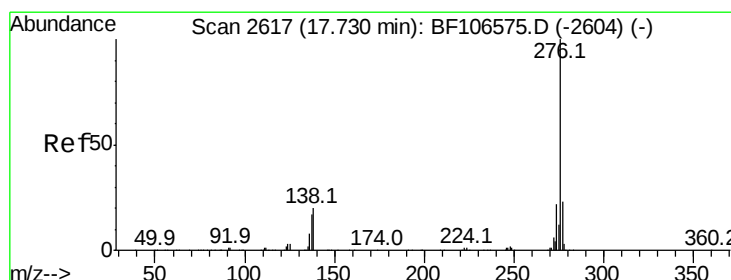
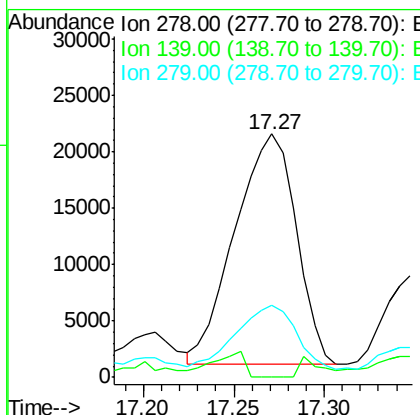
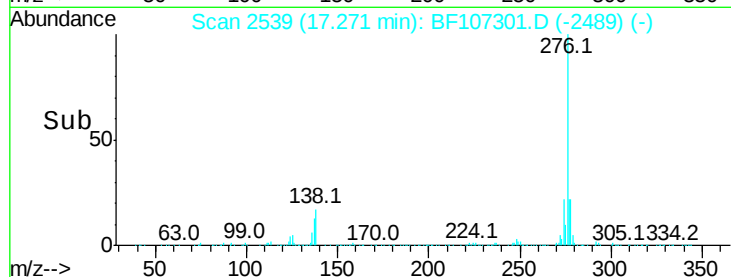
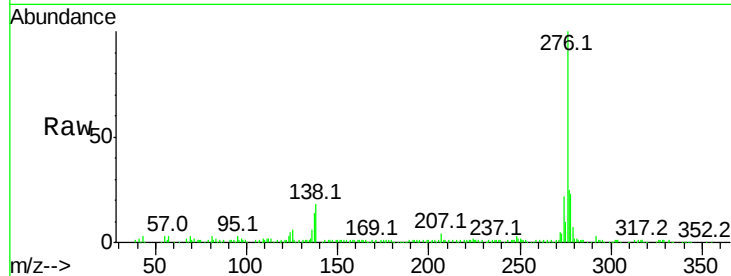
#90
Dibenzo(a,h)anthracene
Concen: 5.995 ng m
RT: 17.27 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Instrument :
BNA_F
ClientSampled :
EP-3-6

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.7	19.0	28.4#

Manual Integrations
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7/12/2018 2:19:21 PM



#91
Benzo(g,h,i)perylene
Concen: 21.186 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BF107301.D
Acq: 11 Jul 2018 15:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	18.6	21.8	32.8#

