

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107313.D
 Acq On : 11 Jul 2018 21:06
 Operator : JU/SJ
 Sample : J3914-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEMH

Manual Integrations
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Quant Time: Jul 12 14:06:37 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	62056	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	215113	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	96415	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	191488	20.00	ng	0.00
75) Chrysene-d12	14.14	240	154587	20.00	ng	0.00
86) Perylene-d12	15.68	264	107467	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	382079	104.26	ng	0.01
7) Phenol-d6	6.58	99	464584	101.51	ng	0.00
23) Nitrobenzene-d5	7.50	82	279934	72.32	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	125331	112.16	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	468536	81.68	ng	0.00
78) Terphenyl-d14	13.07	244	537352	84.20	ng	0.00
Target Compounds						
10) Phenol	6.60	94	12036	2.304	ng	Qvalue # 74
48) Acenaphthylene	9.84	152	34443	3.607	ng	98
49) Dimethylphthalate	9.69	163	112318	15.532	ng	99
54) Dibenzofuran	10.19	168	22409	2.722	ng	94
57) Fluorene	10.54	166	25514	3.905	ng	98
70) Phenanthrene	11.51	178	363552	39.363	ng	99
71) Anthracene	11.56	178	70528	7.481	ng	98
72) Carbazole	11.72	167	40090	4.542	ng	98
74) Fluoranthene	12.71	202	567338	55.732	ng	96
77) Pyrene	12.94	202	494771	48.536	ng	100
80) Benzo(a)anthracene	14.14	228	245366	26.043	ng	98
82) Chrysene	14.17	228	250275	28.874	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	119389	16.231	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	242042m	36.257	ng	
88) Benzo(k)fluoranthene	15.25	252	89287m	14.045	ng	
89) Benzo(a)pyrene	15.62	252	170862	28.791	ng	95
90) Dibenzo(a,h)anthracene	17.28	278	33161m	6.593	ng	
91) Benzo(g,h,i)perylene	17.77	276	111514	22.684	ng	# 90

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

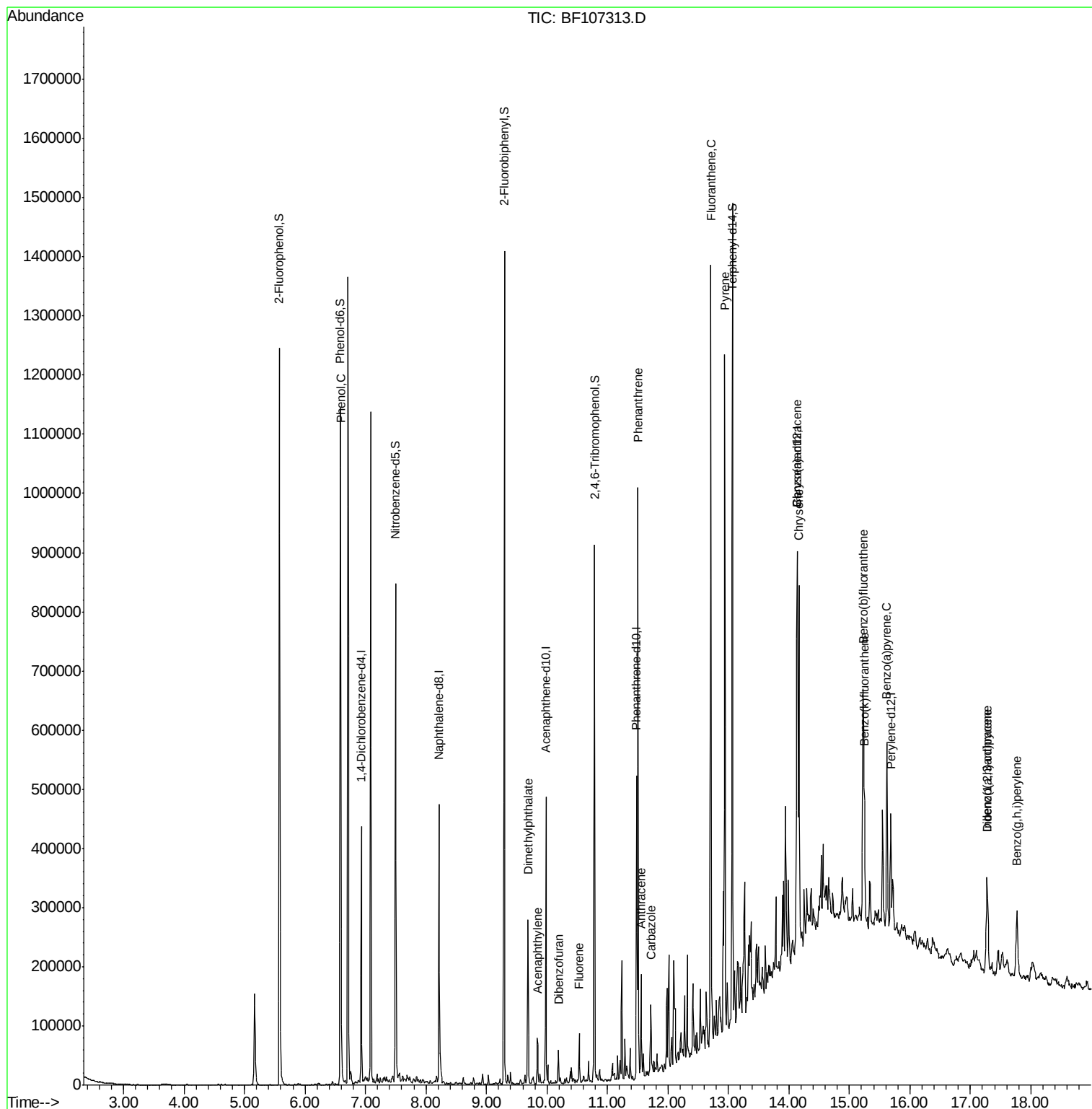
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
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#1

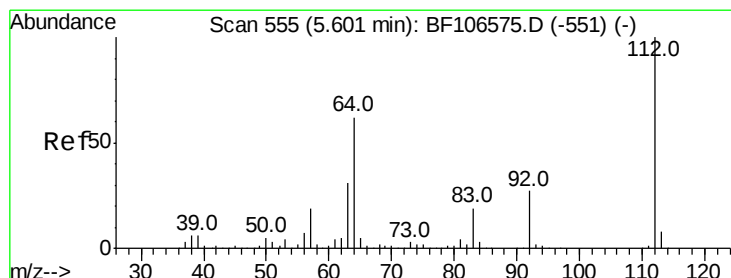
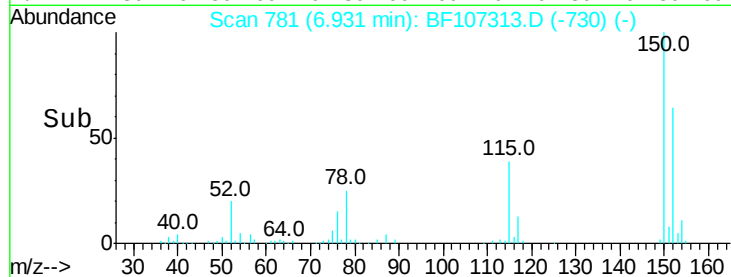
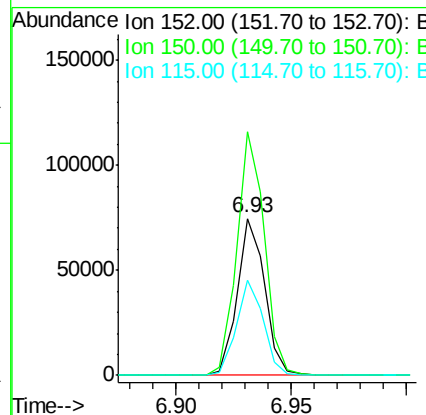
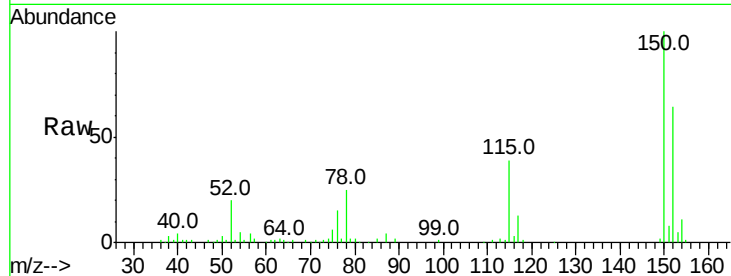
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampled :
SEMH

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	60.7	50.1	75.1

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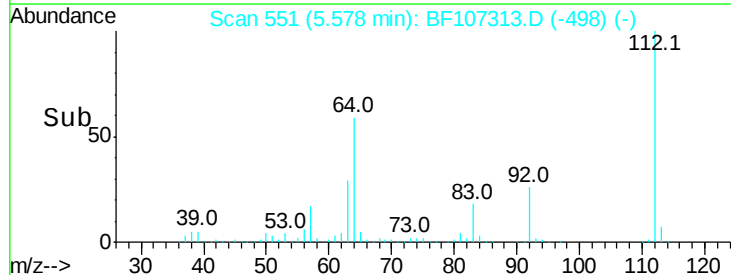
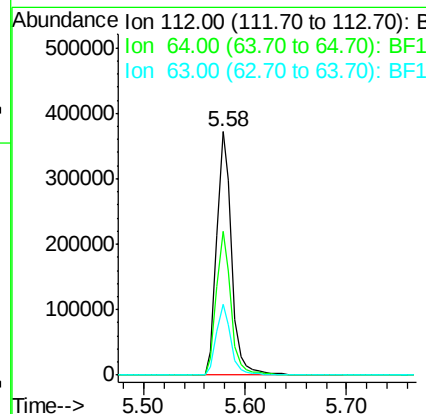
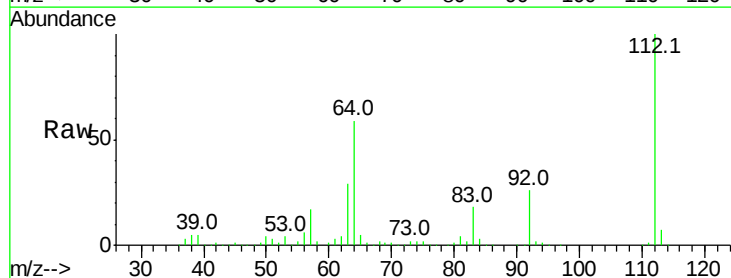
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#5

2-Fluorophenol
Concen: 104.258 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 101.514 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

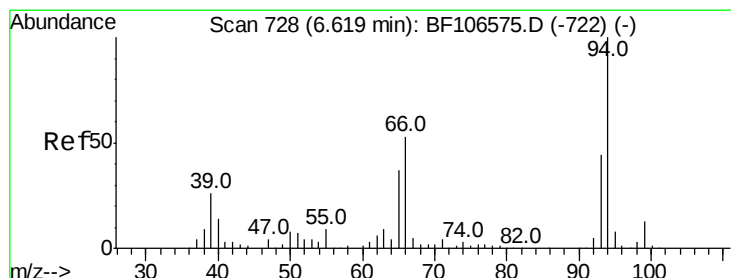
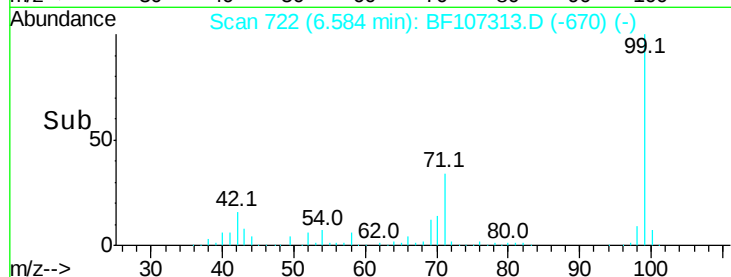
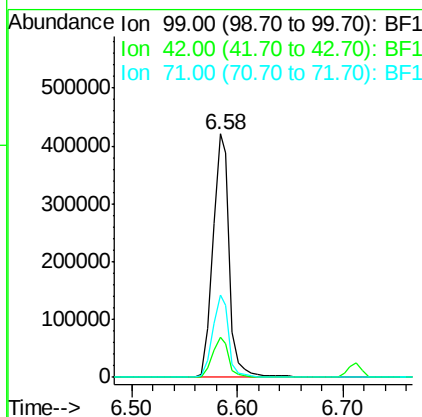
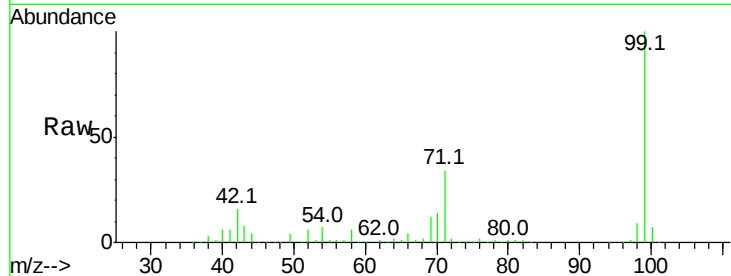
ClientSampled :

SEMH

Tot Ion:	99	Resp:	464584
Ion Ratio	Lower	Upper	
99	100		
42	16.4	14.5	21.7
71	34.0	25.4	38.0

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#10

Phenol

Concen: 2.304 ng

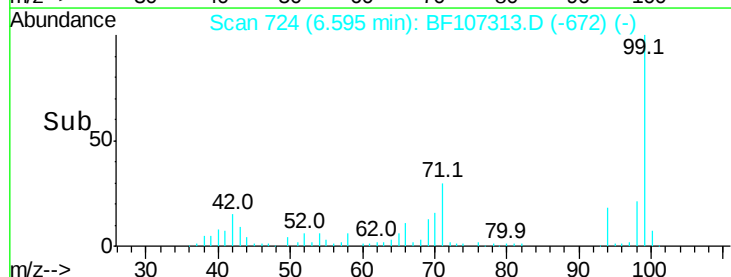
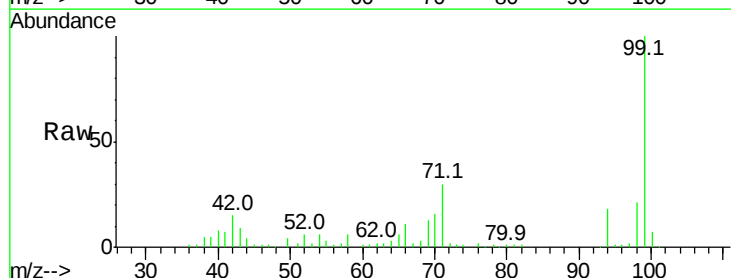
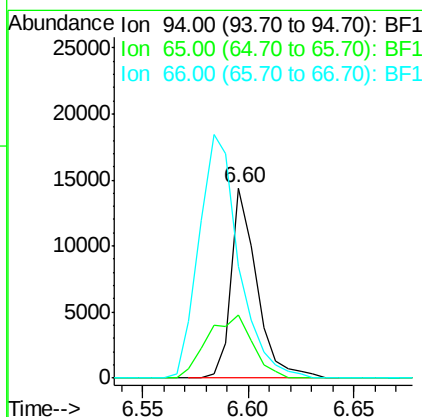
RT: 6.60 min Scan# 724

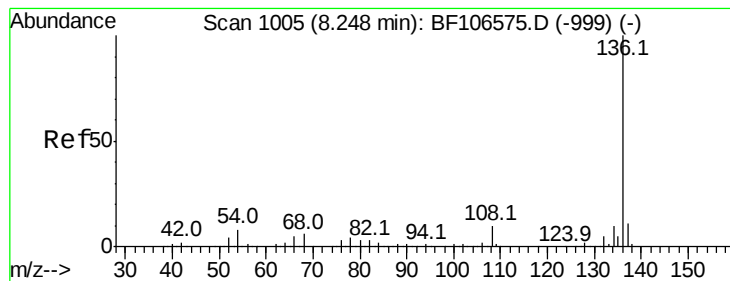
Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Tgt Ion:	94	Resp:	12036
Ion Ratio	Lower	Upper	
94	100		
65	33.3	7.9	47.9
66	59.0	16.2	56.2#





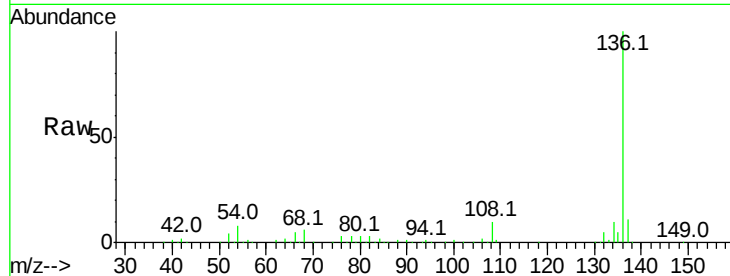
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

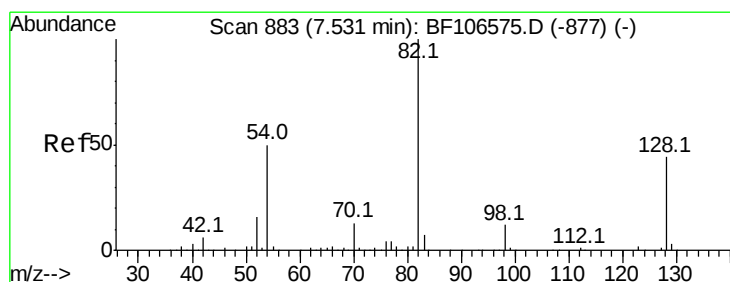
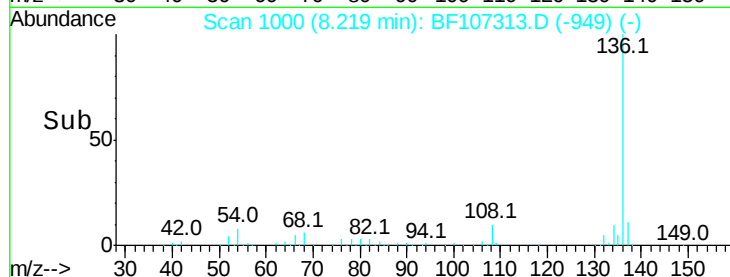
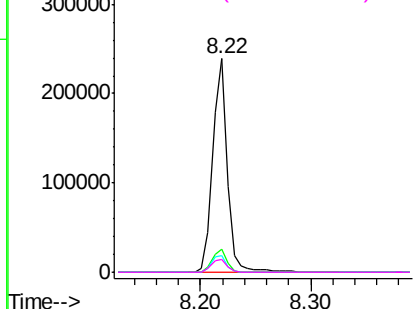
Tot Ion	136	Resp	215113
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.8	6.6	9.8
68	6.0	5.0	7.4

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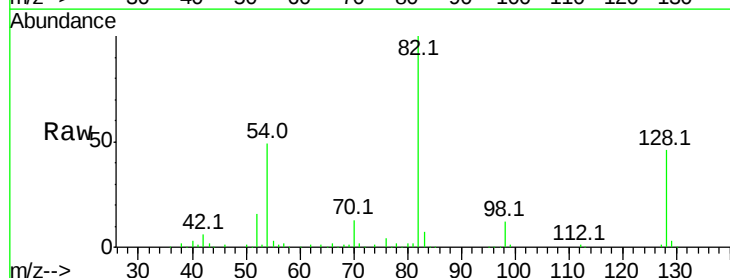


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

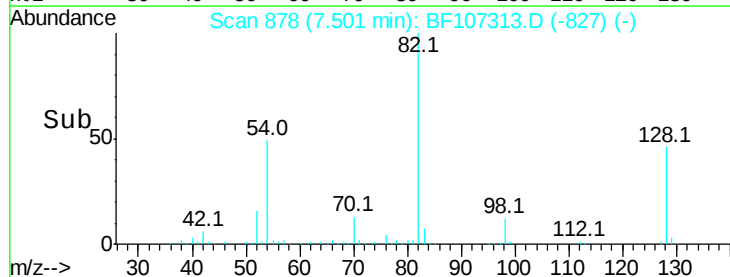
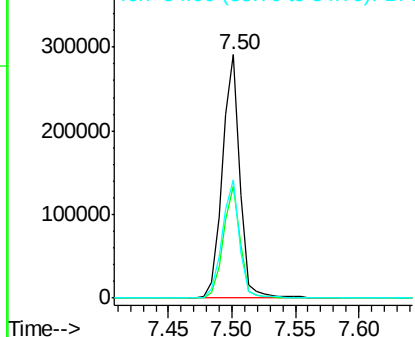


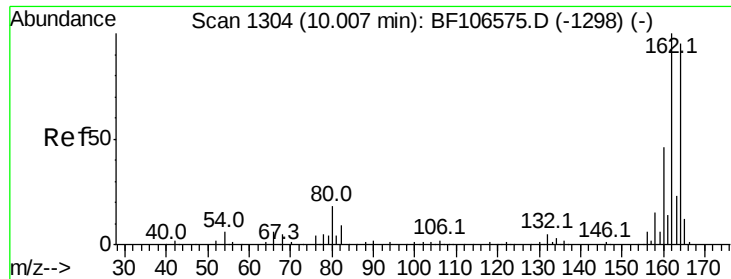
#23
Nitrobenzene-d5
Concen: 72.320 ng
RT: 7.50 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	82	Resp	279934
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.1	54.1
54	48.6	41.4	62.2



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





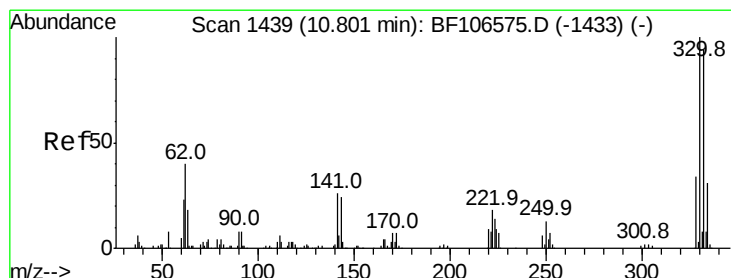
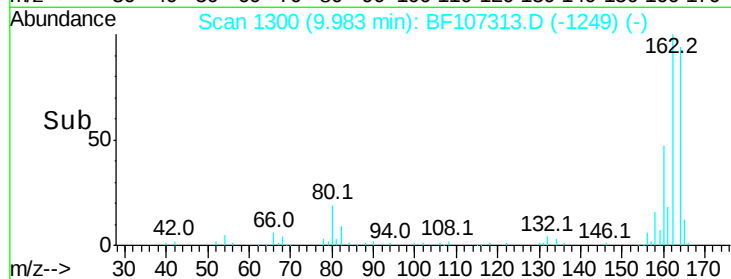
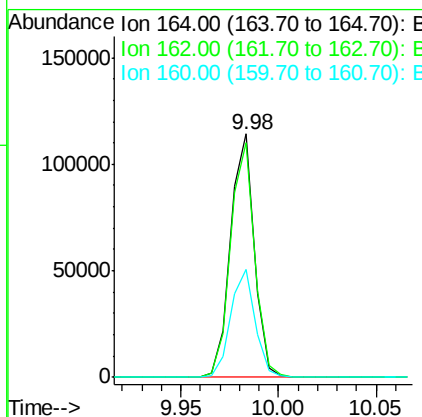
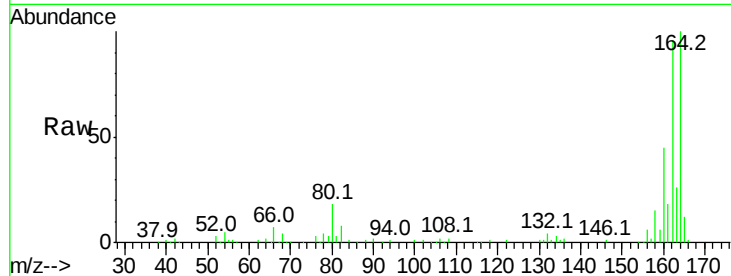
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SEMH

Tot Ion	Ratio	Resp	Lower	Upper
164	100	96415		
162	96.1	86.1	129.1	
160	44.5	38.3	57.5	

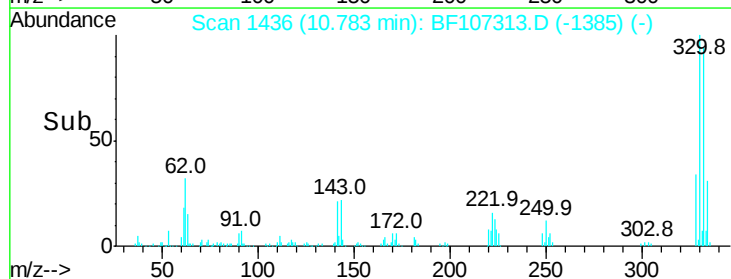
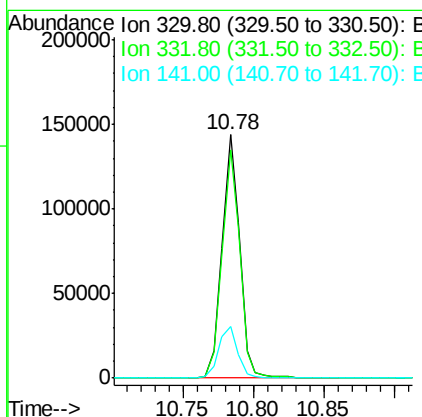
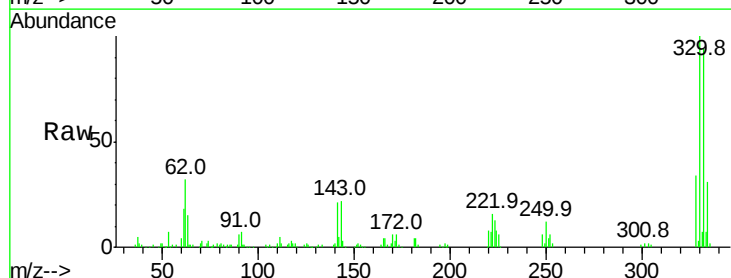
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#41
 2,4,6-Tribromophenol
 Concen: 112.155 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	125331		
332	94.9	77.0	115.6	
141	23.0	29.9	44.9#	





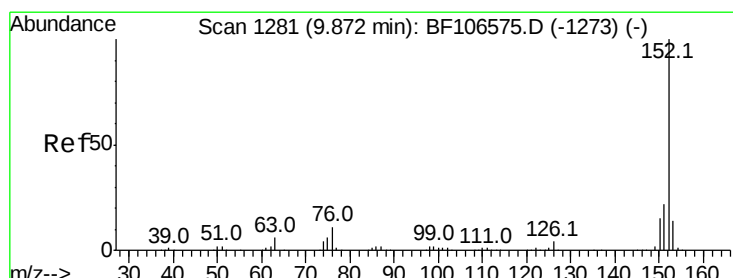
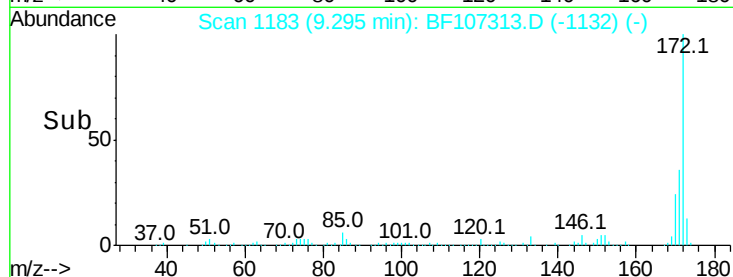
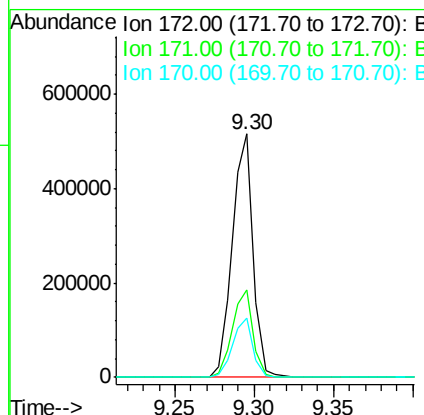
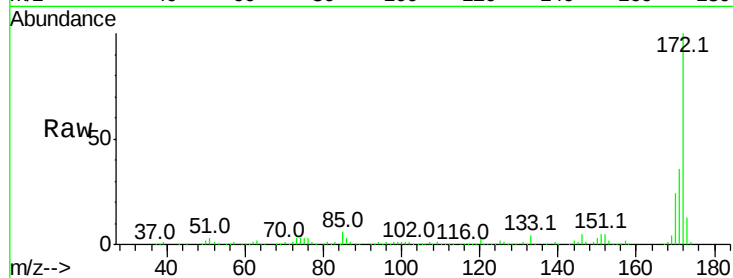
#44
2-Fluorobiphenyl
Concen: 81.678 ng
RT: 9.30 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tot Ion	Ratio	Resp	Lower	Upper
172	100	468536		
171	35.7		29.7	44.5
170	24.3		19.6	29.4

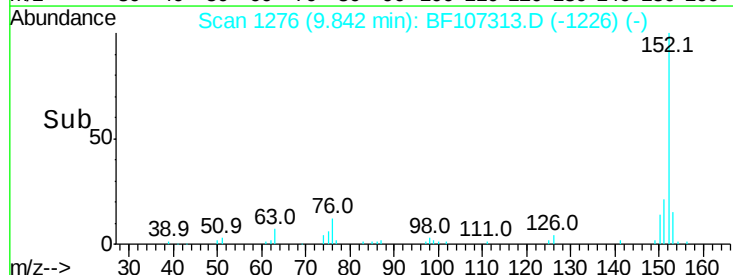
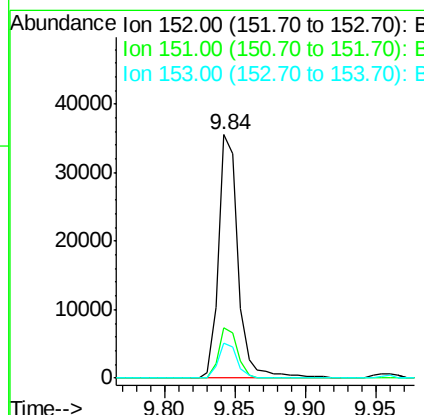
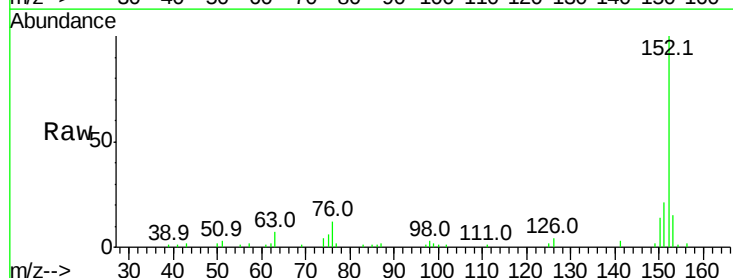
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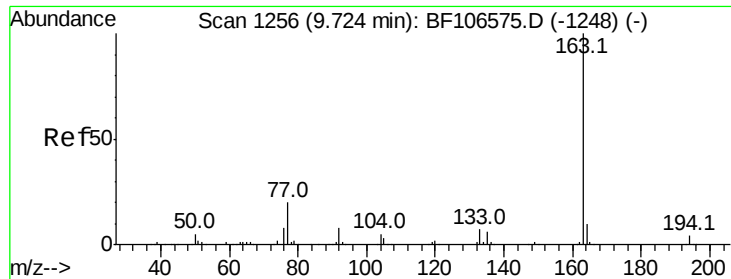
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#48
Acenaphthylene
Concen: 3.607 ng
RT: 9.84 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	34443		
151	20.8		16.3	24.5
153	14.6		10.7	16.1





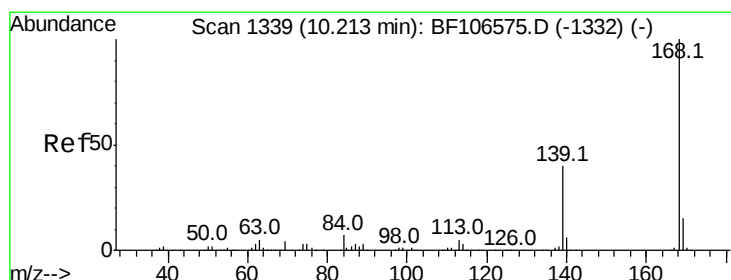
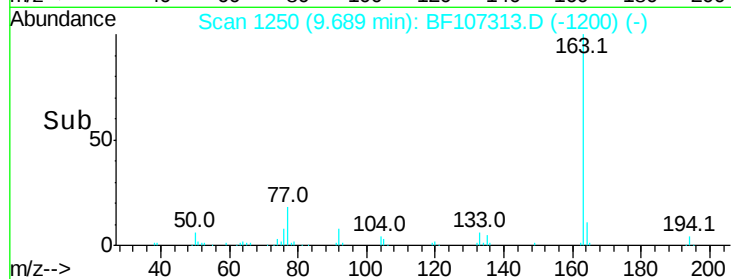
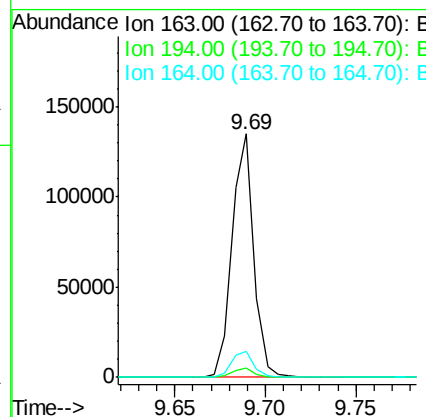
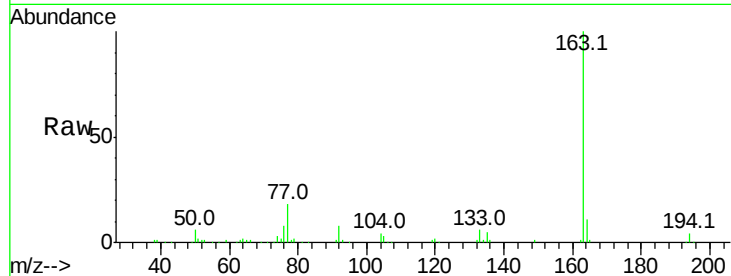
#49
Dimethylphthalate
Concen: 15.532 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tot Ion	Ratio	Resp	Lower	Upper
163	100	112318		
194	4.0	2.7	4.1	
164	10.5	8.2	12.2	

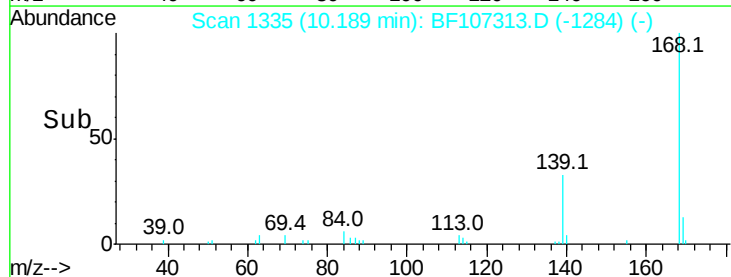
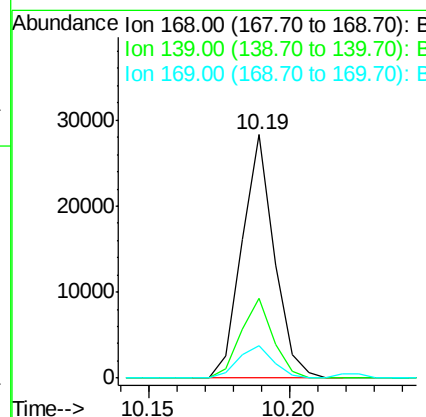
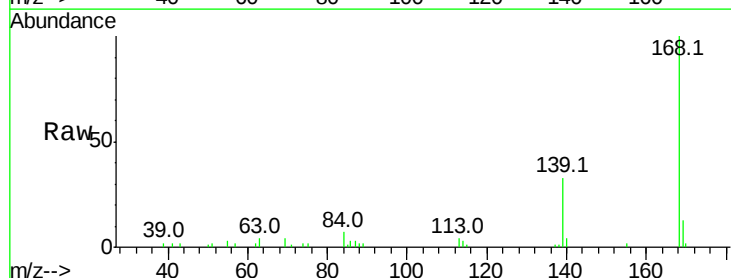
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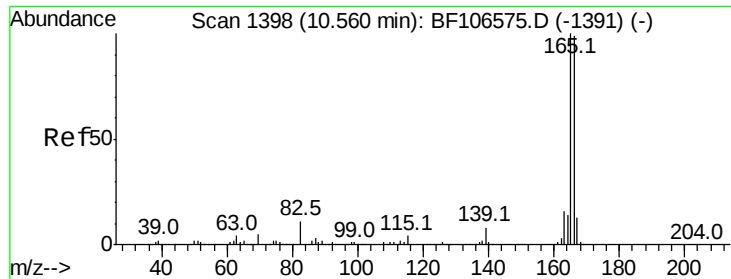
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#54
Dibenzofuran
Concen: 2.722 ng
RT: 10.19 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	22409		
139	32.8	30.1	45.1	
169	13.3	10.9	16.3	





#57

Fluorene

Concen: 3.905 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

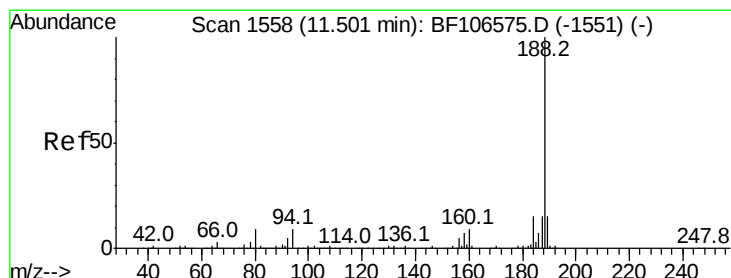
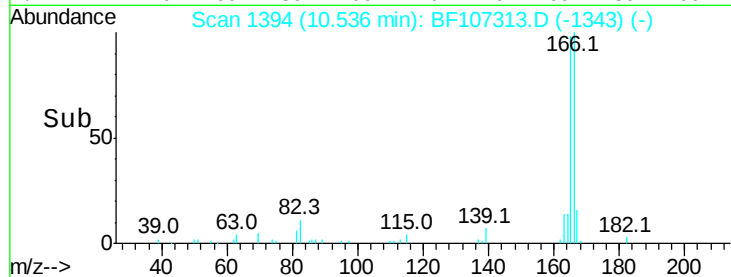
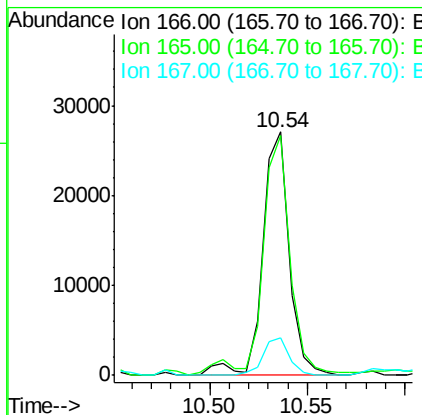
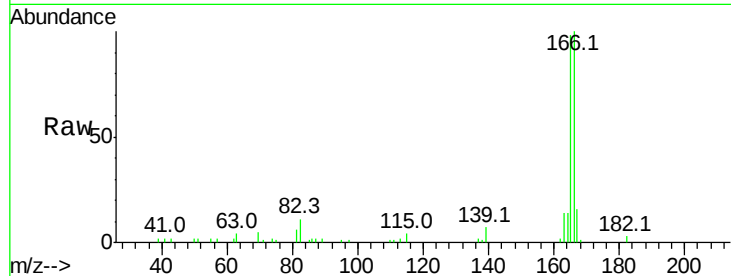
ClientSampleId :

SEMH

Tot Ion:	166	Resp:	25514
Ion Ratio	Lower	Upper	
166	100		
165	98.5	79.8	119.8
167	15.6	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

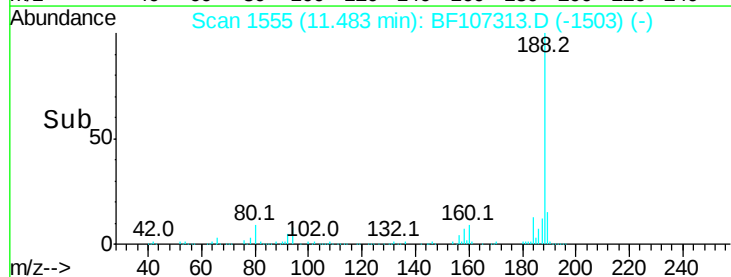
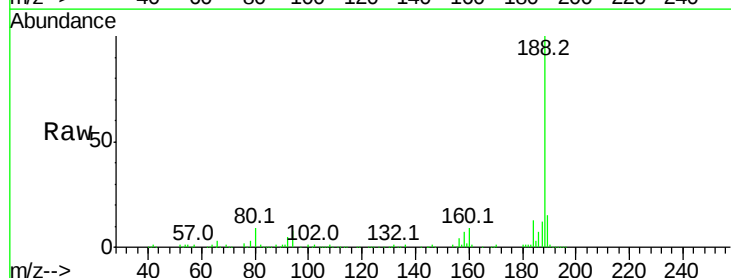
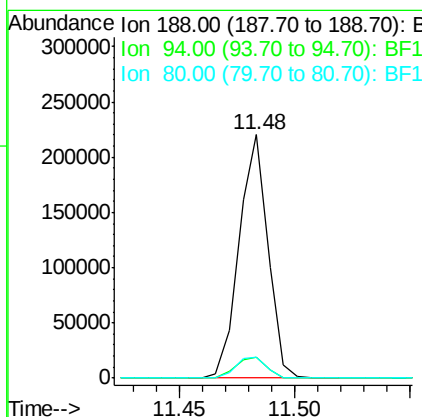
RT: 11.48 min Scan# 1555

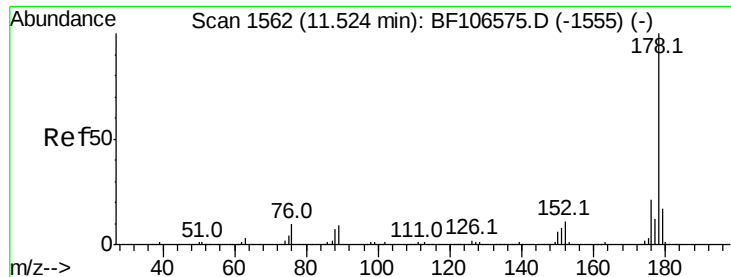
Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Tgt Ion:	188	Resp:	191488
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.5	12.7#
80	8.8	9.2	13.8#





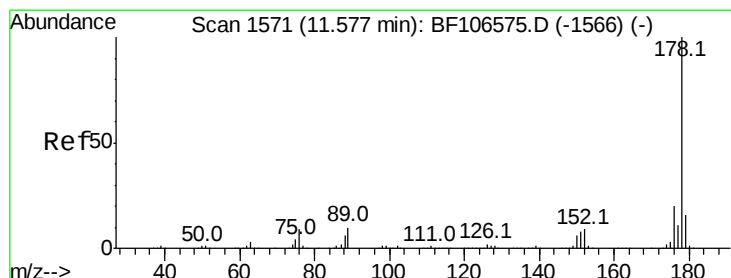
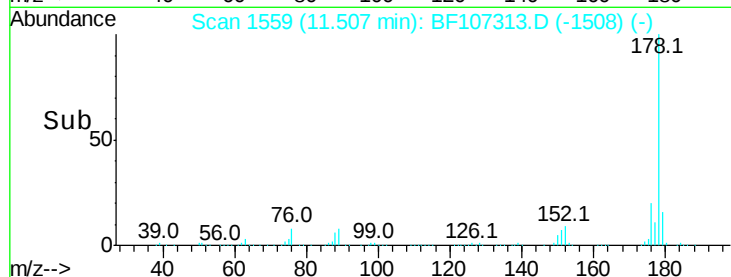
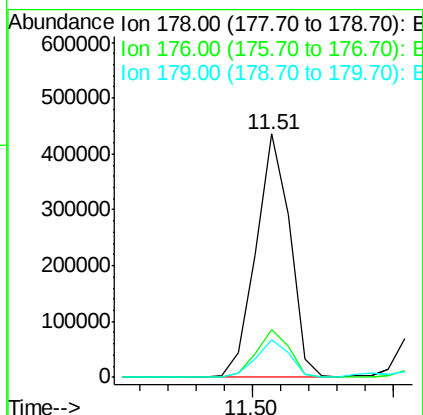
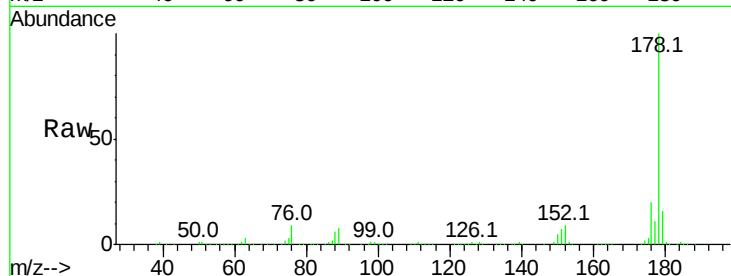
#70
Phenanthrene
Concen: 39.363 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampled :
SEMH

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6

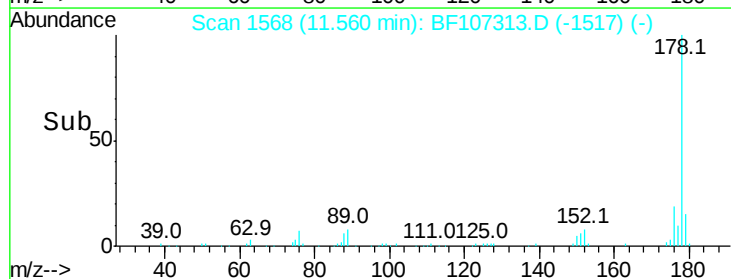
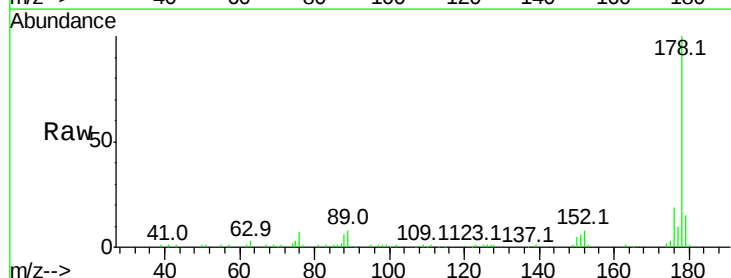
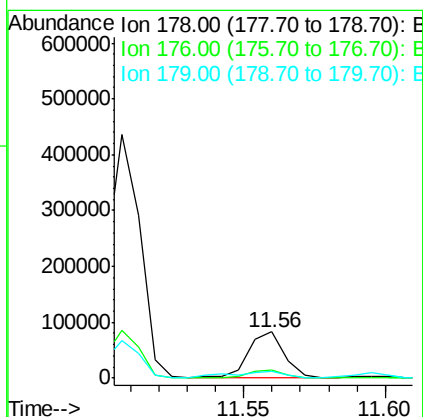
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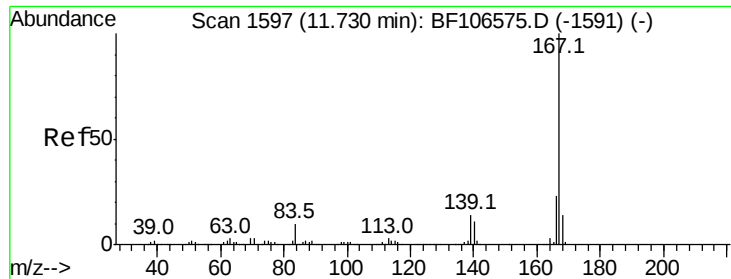
Sohil
7/12/2018 2:19:44 PM



#71
Anthracene
Concen: 7.481 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.9	12.6	19.0





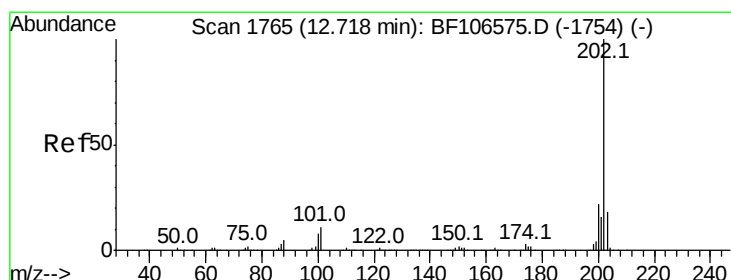
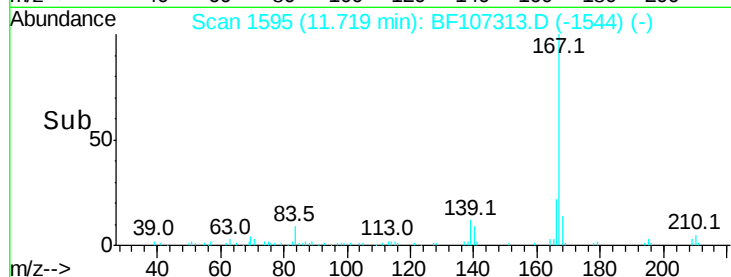
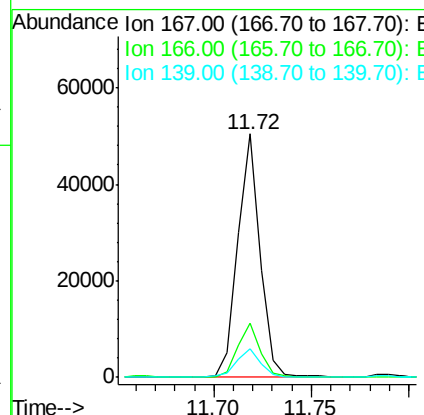
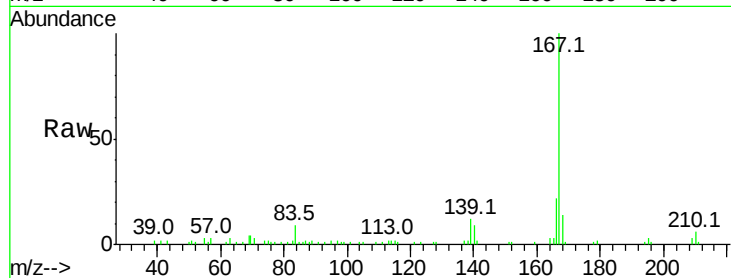
#72
 Carbazole
 Concen: 4.542 ng
 RT: 11.72 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SEMH

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	11.5	10.9	16.3

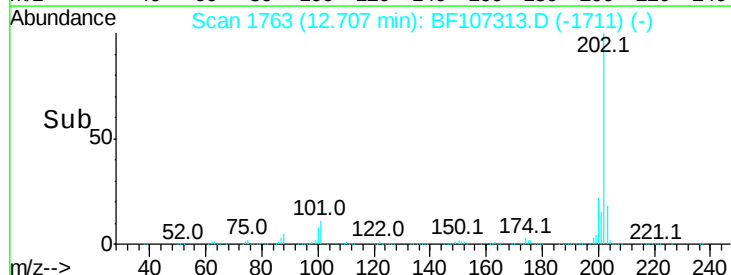
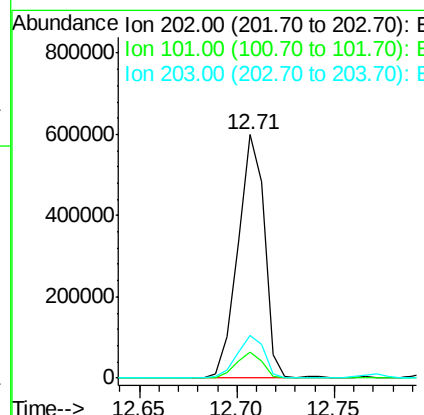
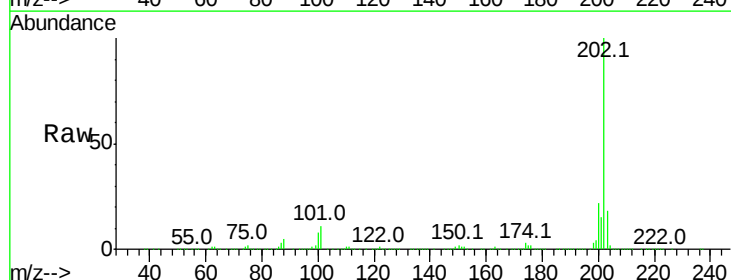
Manual Integrations
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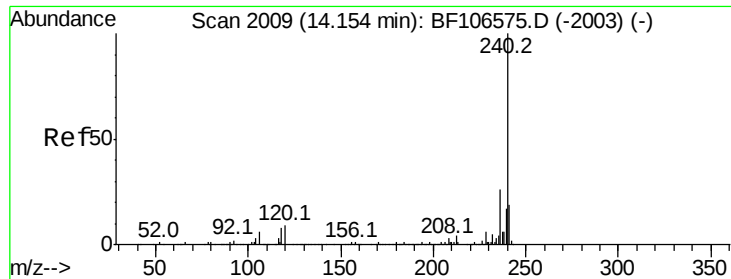
Sohil
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#74
 Fluoranthene
 Concen: 55.732 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.7	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: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

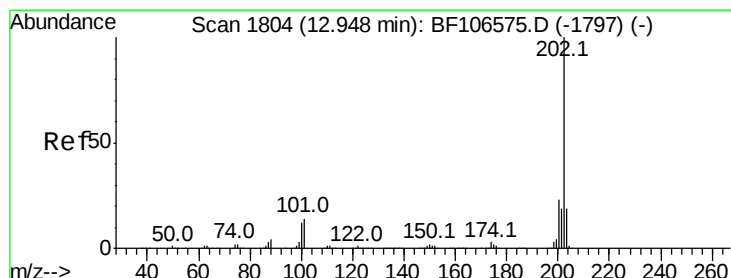
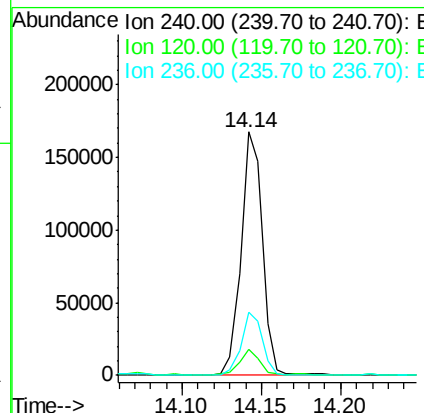
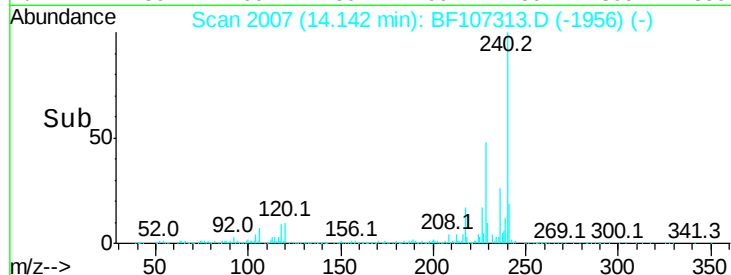
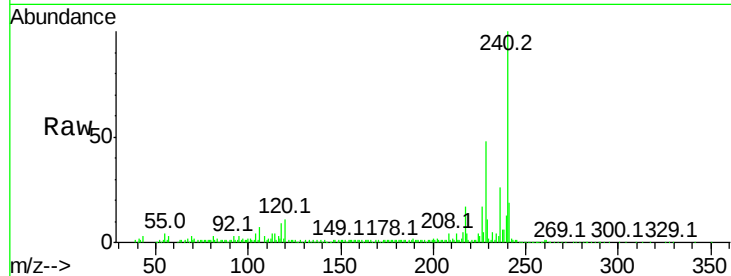
ClientSampleId :

SEMH

Tot Ion:	240	Resp:	154587
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	26.1	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 48.536 ng

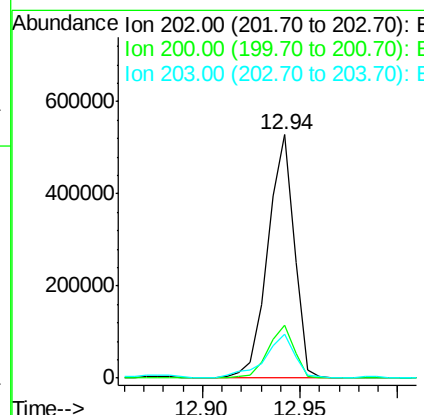
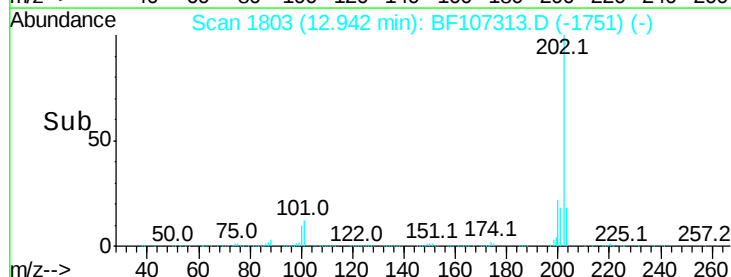
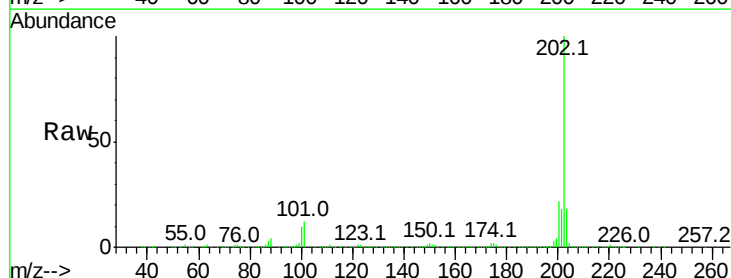
RT: 12.94 min Scan# 1803

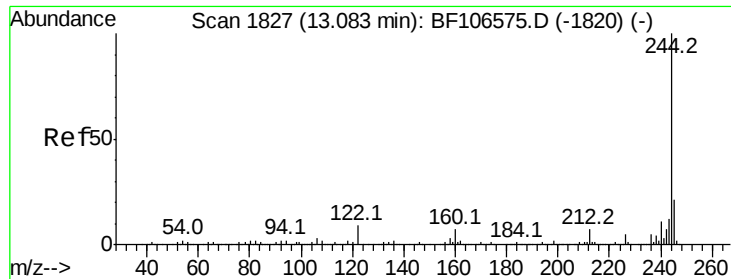
Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Tgt Ion:	202	Resp:	494771
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5





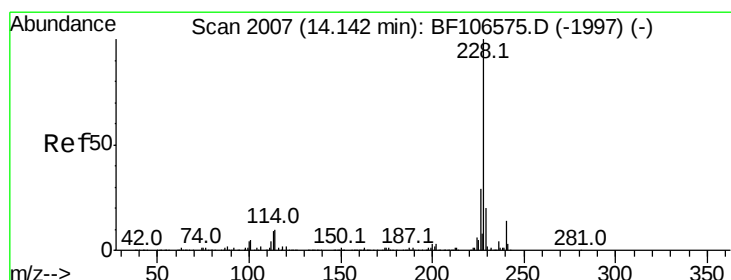
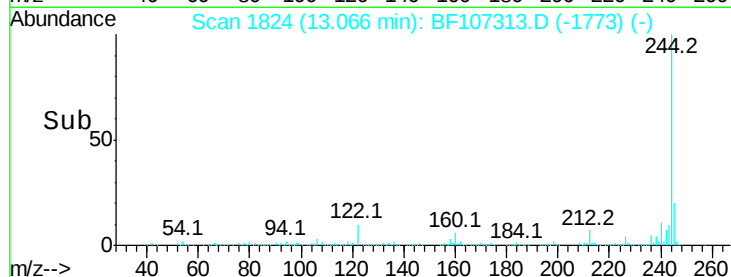
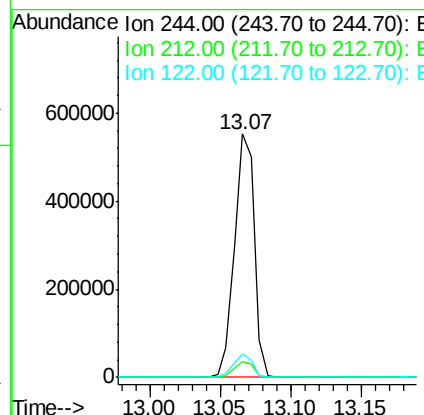
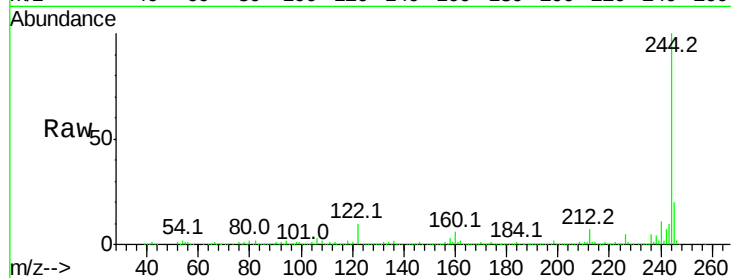
#78
 Terphenyl-d14
 Concen: 84.200 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SEMH

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.6	11.0	16.4

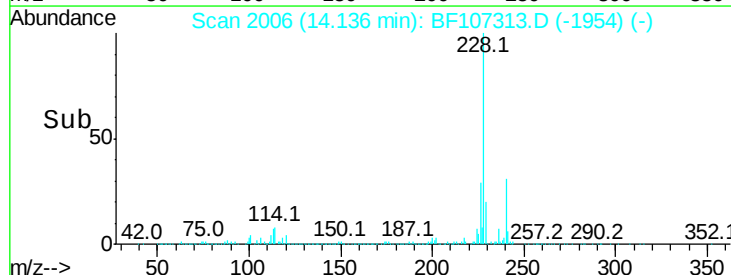
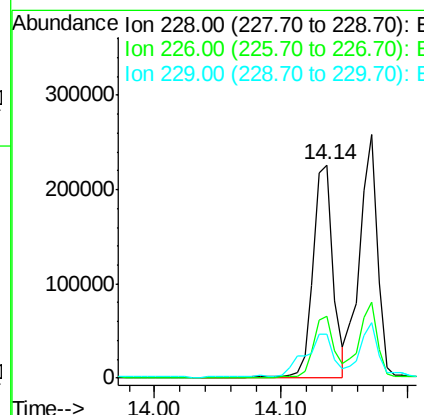
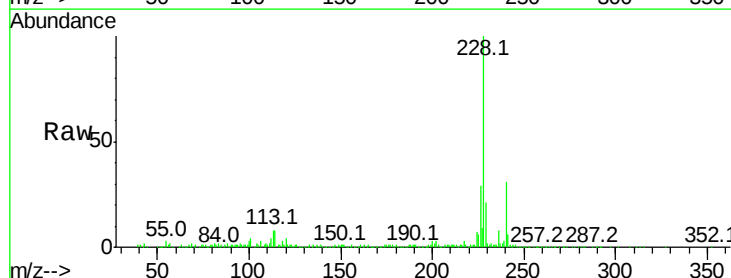
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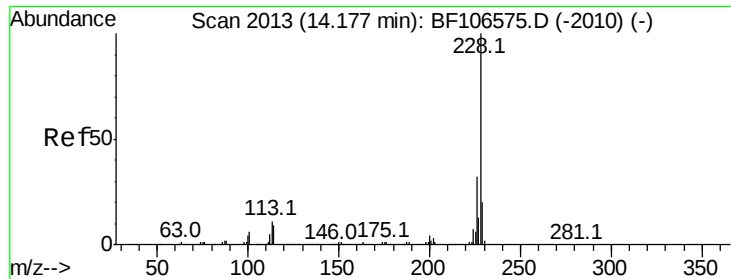
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#80
 Benzo(a)anthracene
 Concen: 26.043 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.6	15.8	23.6





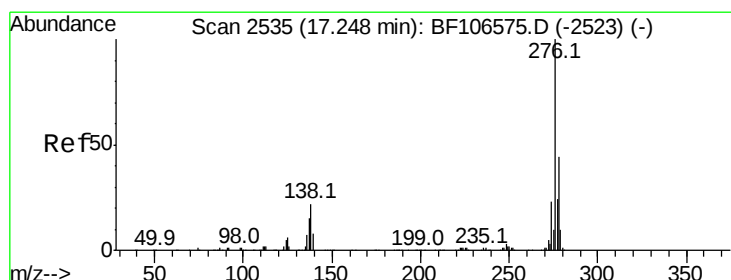
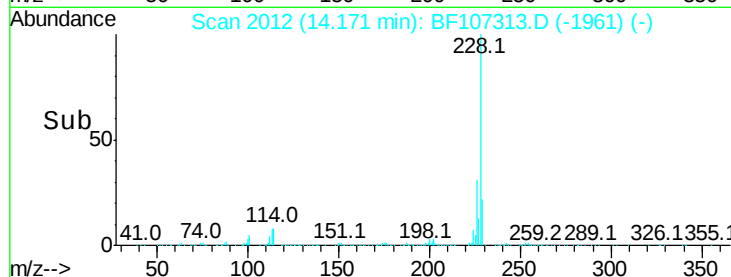
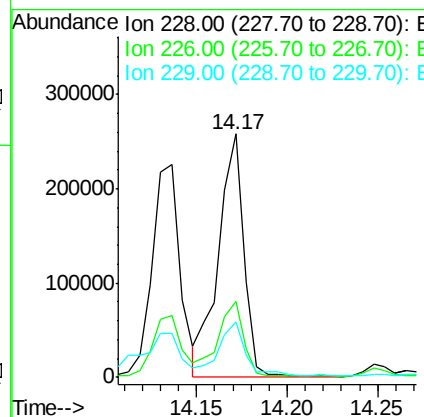
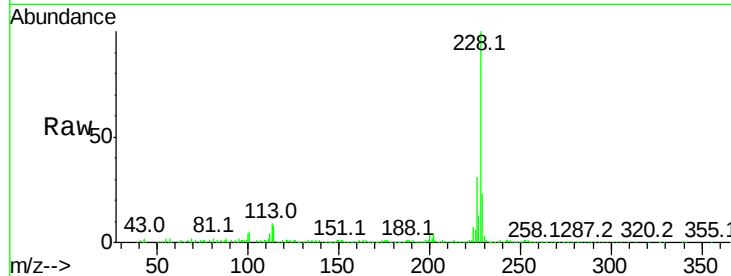
#82
 Chrysene
 Concen: 28.874 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SEMH

Tot Ion:	228	Resp:	250275
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	22.9	16.2	24.4

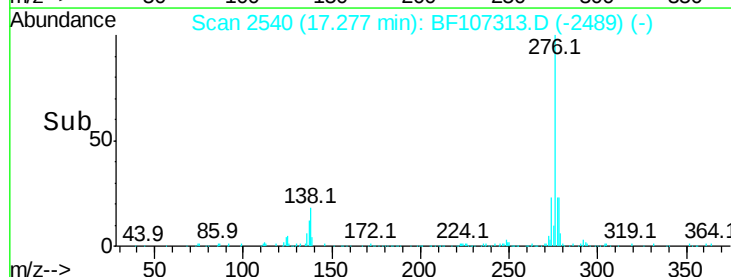
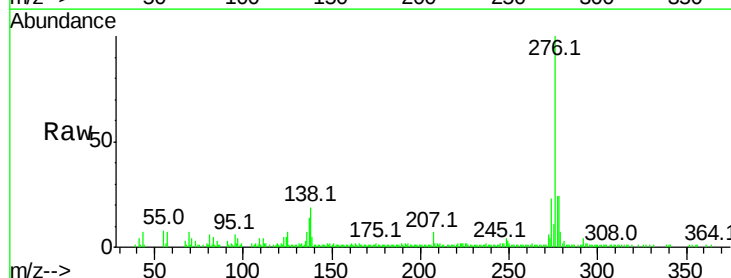
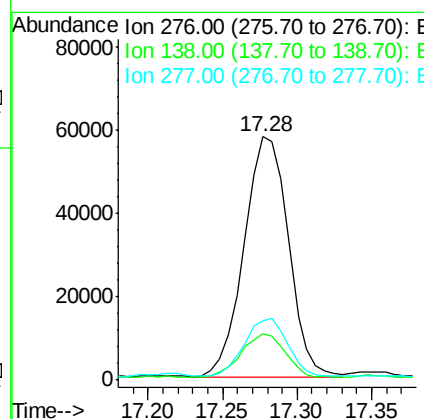
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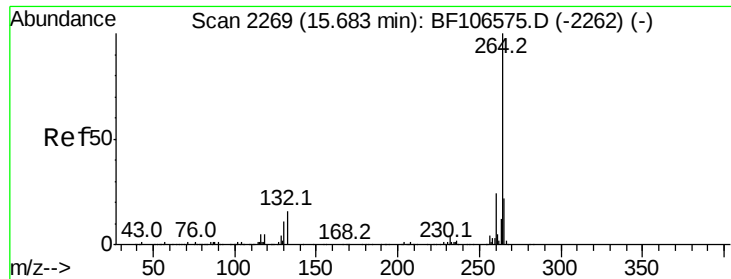
Sohil
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.231 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Tgt Ion:	276	Resp:	119389
Ion Ratio	Lower	Upper	
276	100		
138	19.0	25.0	37.6#
277	23.3	20.1	30.1





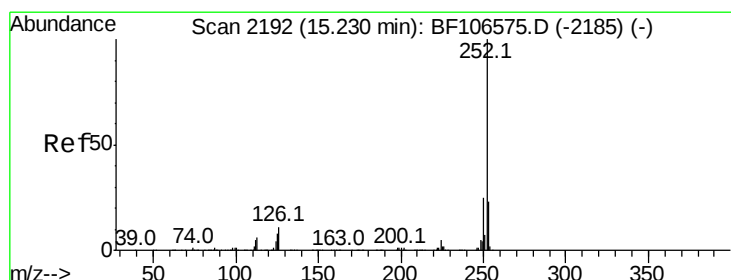
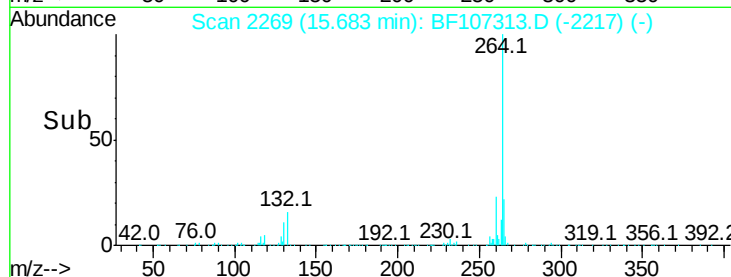
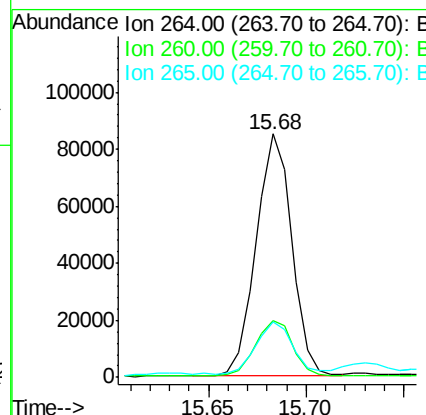
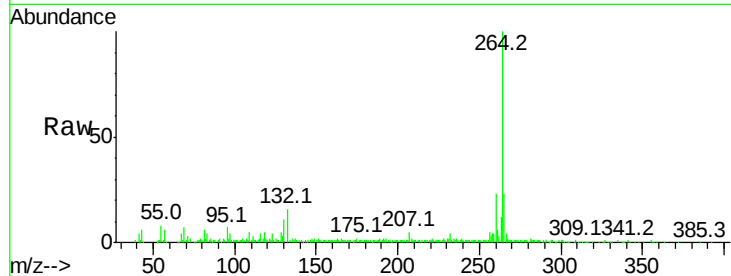
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	17.5	26.3

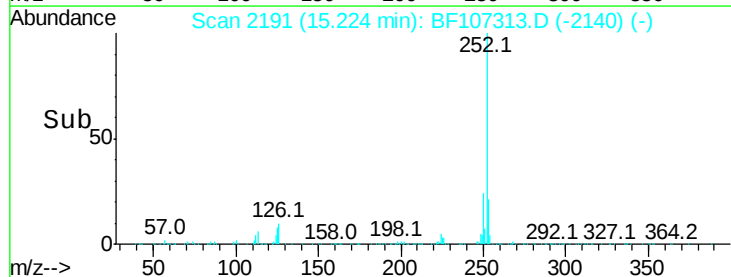
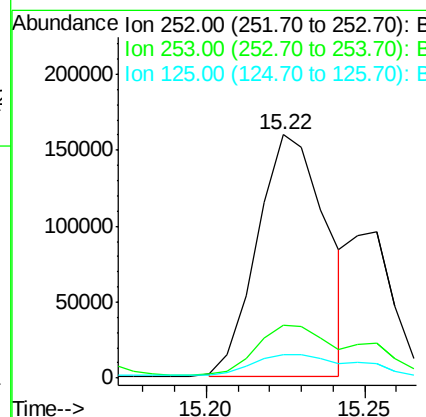
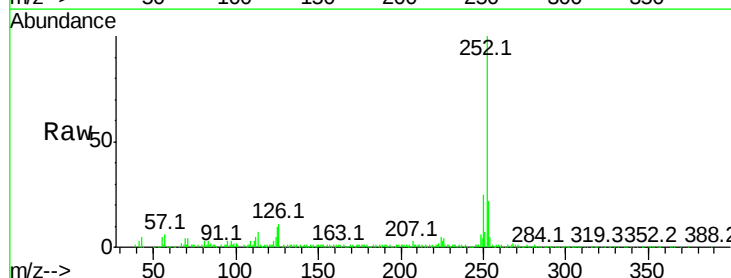
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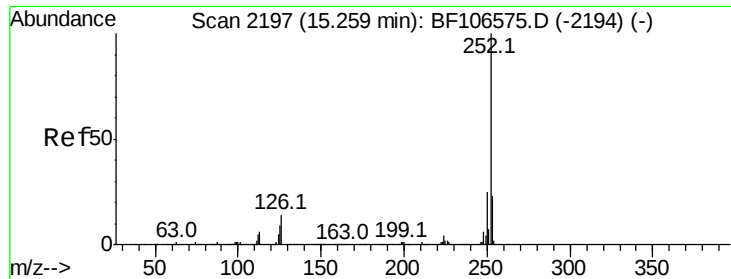
Sohil
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#87
Benzo(b)fluoranthene
Concen: 36.257 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	9.6	9.0	13.6





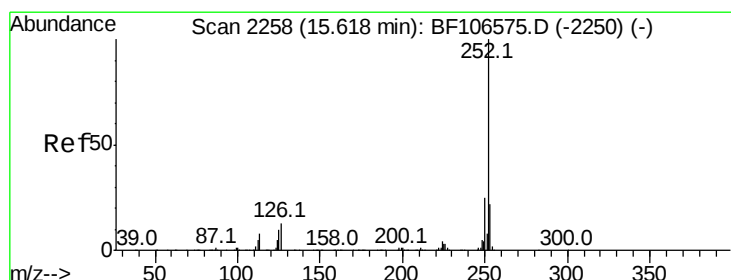
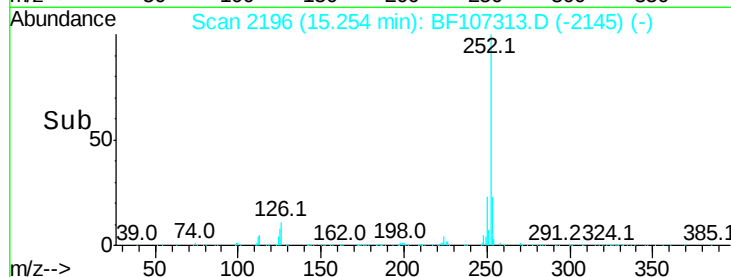
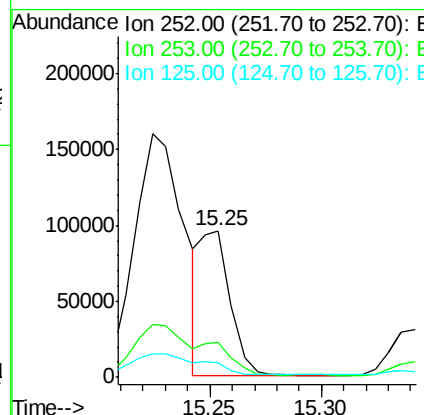
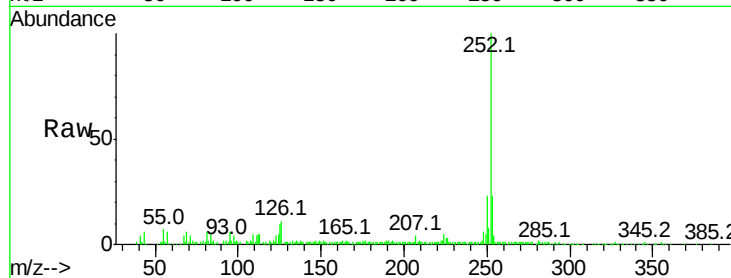
#88
Benzo(k)fluoranthene
Concen: 14.045 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampled :
SEMH

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.8	10.2	15.2

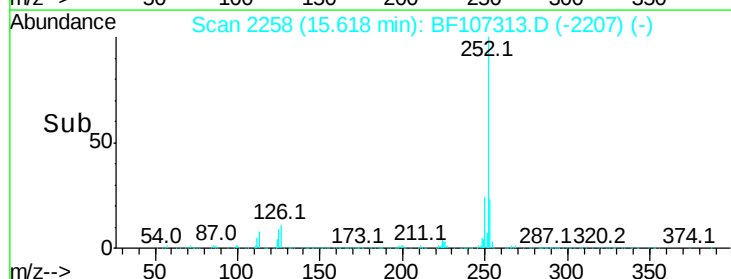
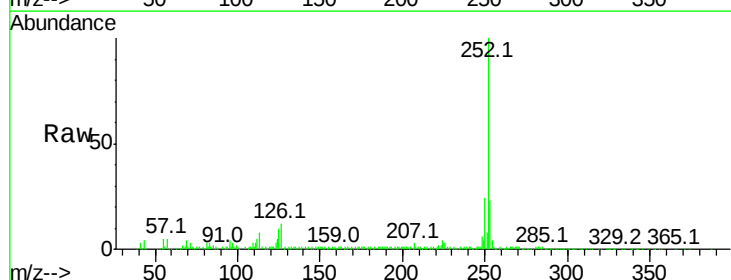
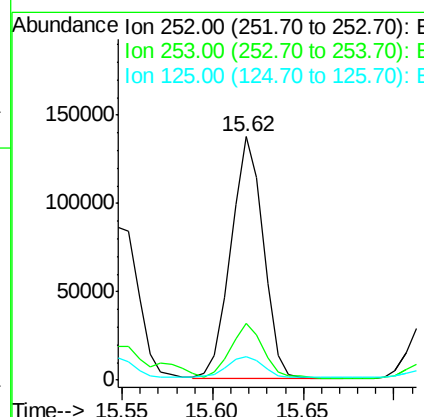
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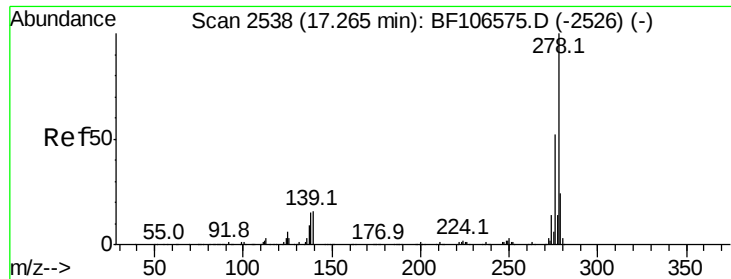
Sohil
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#89
Benzo(a)pyrene
Concen: 28.791 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	9.8	9.8	14.6





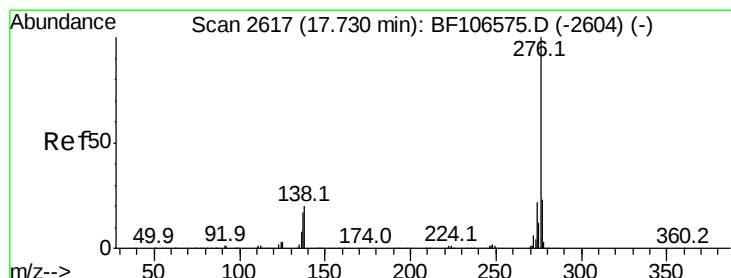
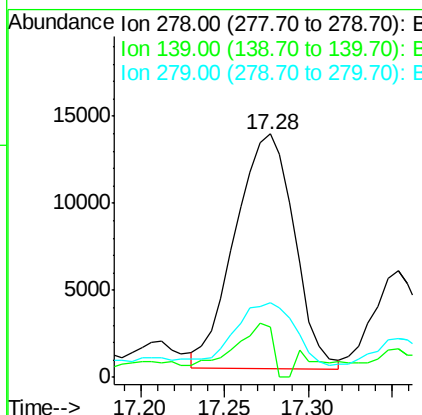
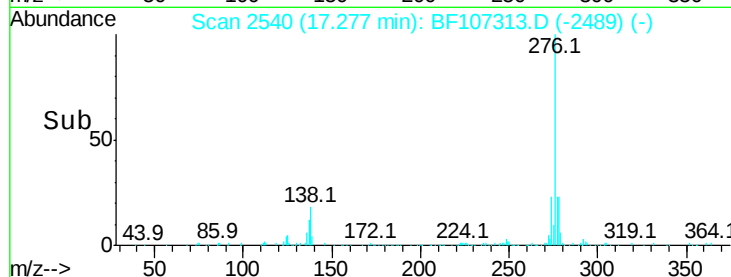
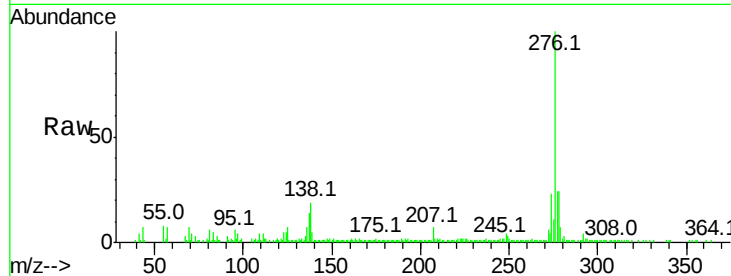
#90
Dibenzo(a,h)anthracene
Concen: 6.593 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampled :
SEMH

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.5	15.9	23.9
279	30.8	19.0	28.4

Manual Integrations
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7/12/2018 2:19:44 PM



#91
Benzo(g,h,i)perylene
Concen: 22.684 ng
RT: 17.77 min Scan# 2624
Delta R.T. 0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	19.8	21.8	32.8

