

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011218\
 Data File : BF102060.D
 Acq On : 12 Jan 2018 23:06
 Operator : SJ/JU
 Sample : J1018-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-011118

Manual Integrations
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Sohil
 1/15/2018 4:23:03 PM

Quant Time: Jan 13 01:15:20 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	217781	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	834437	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	302733	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	435937	20.00	ng	0.00
75) Chrysene-d12	13.89	240	366197	20.00	ng	0.00
86) Perylene-d12	15.32	264	265218	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1532336	99.36	ng	0.02
7) Phenol-d6	6.37	99	1811704	98.46	ng	0.00
23) Nitrobenzene-d5	7.30	82	1088527	76.66	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	252823	95.70	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1579337	81.50	ng	0.00
78) Terphenyl-d14	12.84	244	1115136	63.23	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.38	94	98149	4.720	ng	96
31) Naphthalene	8.03	128	266168	6.384	ng	99
37) 2-Methylnaphthalene	8.72	142	83464	3.041	ng	98
48) Acenaphthylene	9.63	152	88200	2.678	ng	99
49) Dimethylphthalate	9.49	163	222695	9.170	ng	100
51) Acenaphthene	9.80	154	91025	4.554	ng	97
54) Dibenzofuran	9.97	168	112795	4.112	ng	98
57) Fluorene	10.31	166	134162	7.075	ng	97
70) Phenanthrene	11.27	178	844110	33.148	ng	99
71) Anthracene	11.32	178	250988	9.719	ng	99
72) Carbazole	11.48	167	77275	3.044	ng	98
74) Fluoranthene	12.46	202	941577	37.582	ng	99
77) Pyrene	12.69	202	860889	26.596	ng	99
80) Benzo(a)anthracene	13.88	228	380406	16.281	ng	96
82) Chrysene	13.92	228	354814	14.564	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	121425	6.848	ng	100
87) Benzo(b)fluoranthene	14.90	252	337304m	19.505	ng	
88) Benzo(k)fluoranthene	14.93	252	120768m	7.239	ng	
89) Benzo(a)pyrene	15.25	252	239478	15.389	ng	# 92
90) Dibenzo(a,h)anthracene	16.70	278	28404	2.287	ng	# 67
91) Benzo(g,h,i)perylene	17.12	276	123152	9.845	ng	97

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

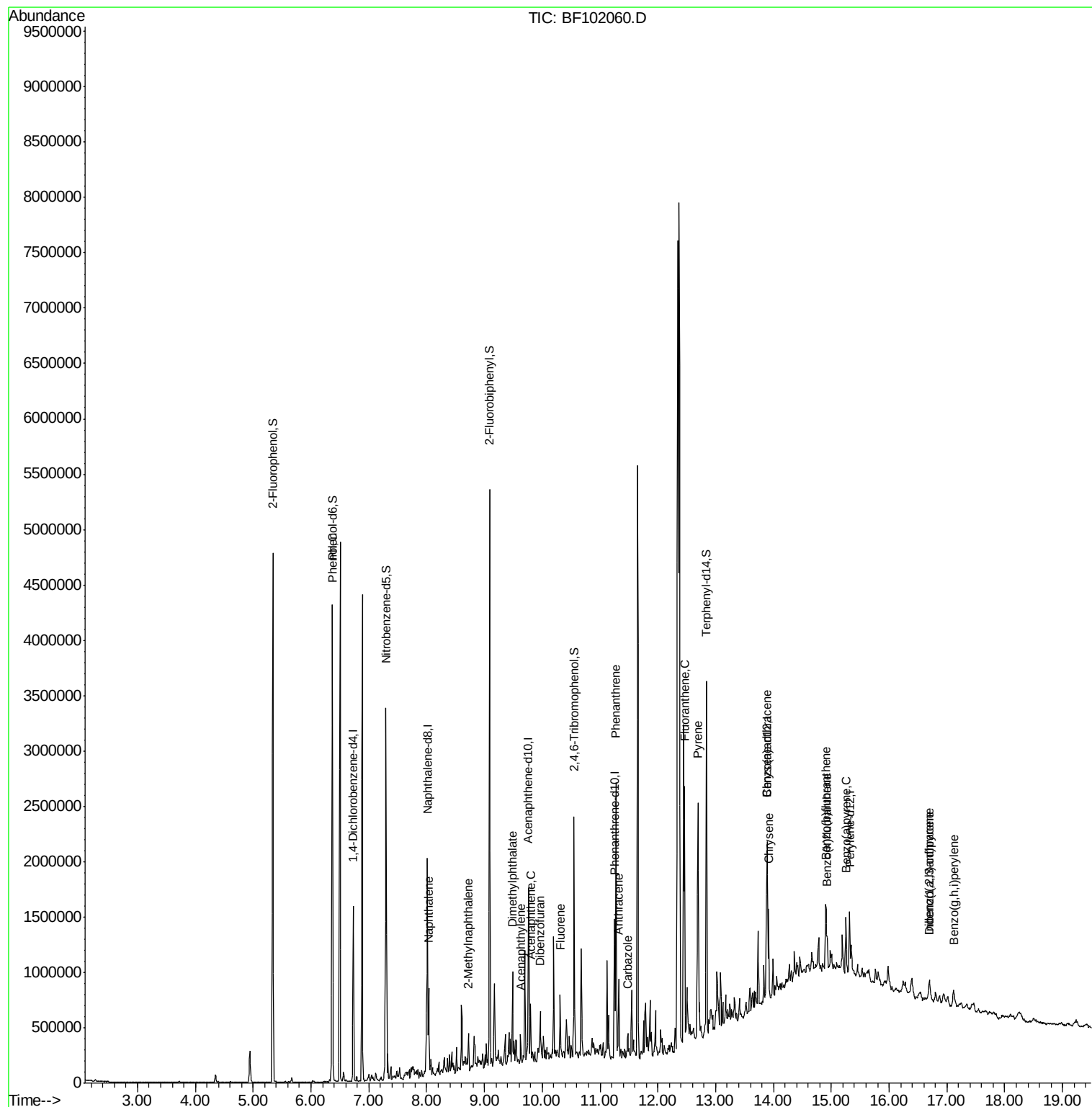
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF011218\
Data File : BF102060.D
Acq On : 12 Jan 2018 23:06
Operator : SJ/JU
Sample : J1018-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

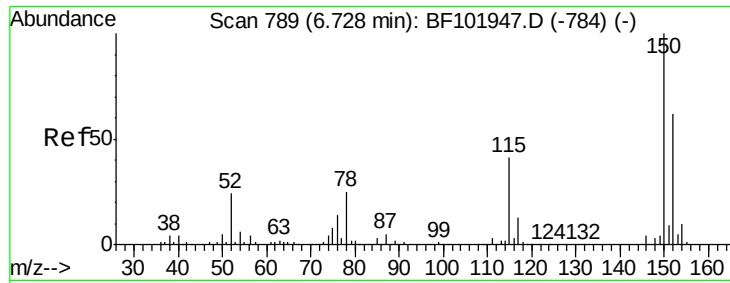
Instrument :
BNA_F
ClientSampleId :
OR-01-011118

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Quant Time: Jan 13 01:15:20 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 2018
Response via : Initial Calibration





#1

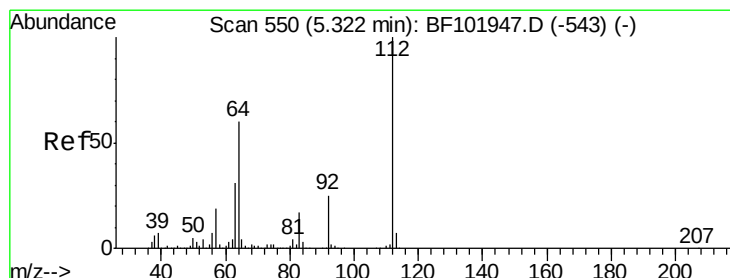
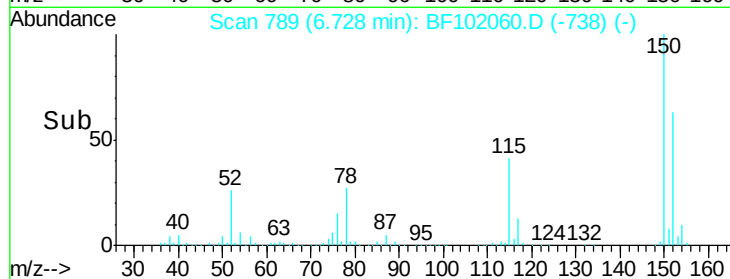
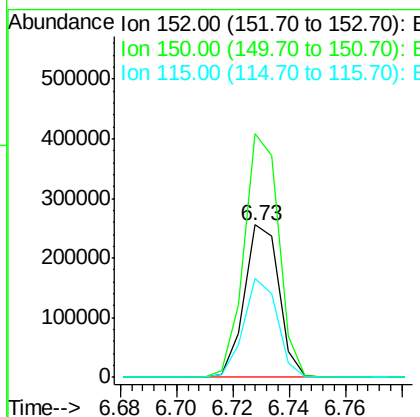
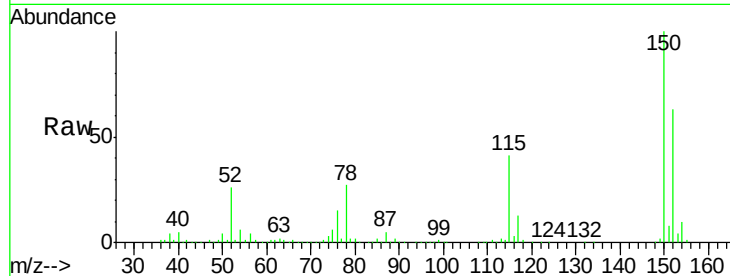
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampled :
OR-01-011118

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	64.9	50.1	75.1

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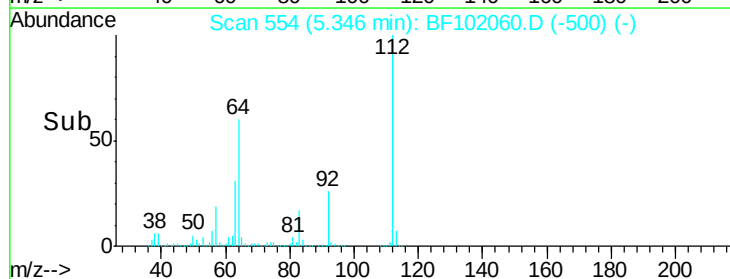
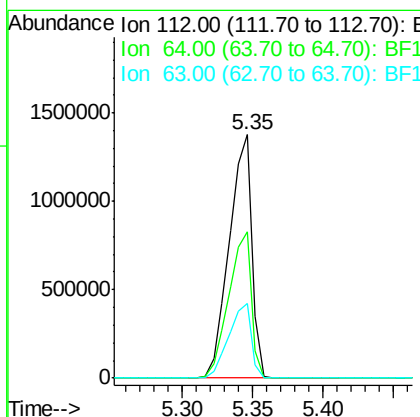
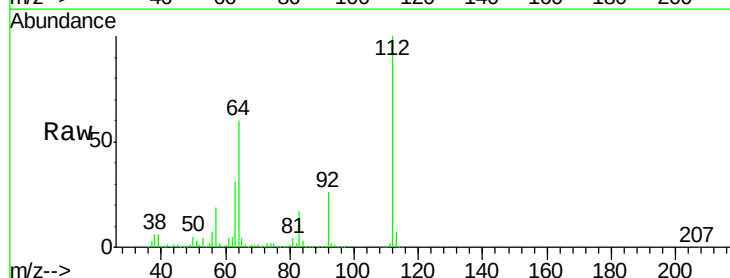
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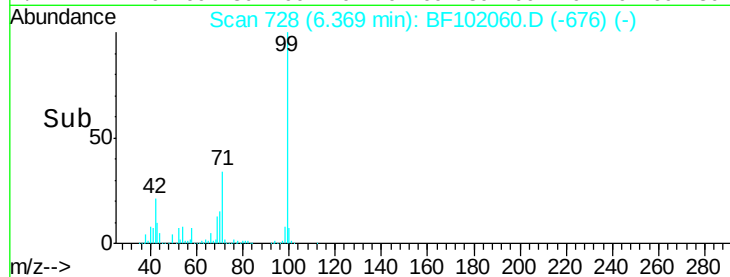
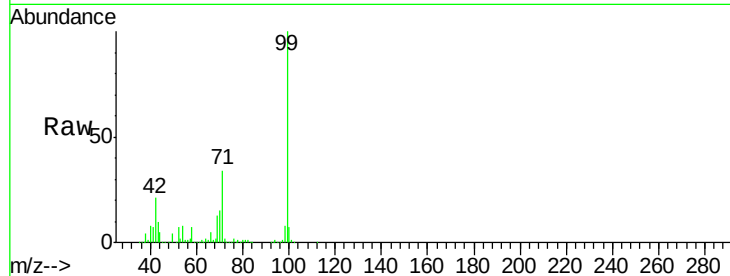
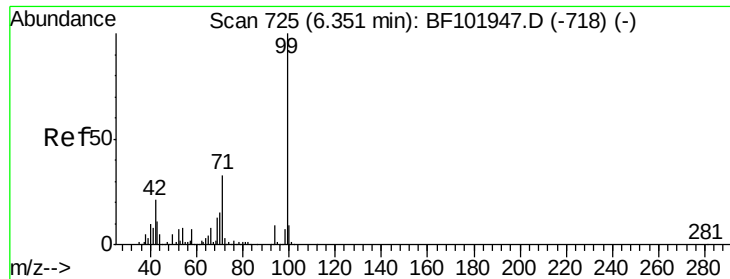


#5

2-Fluorophenol
Concen: 99.356 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 98.458 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Tgt Ion:	99	Resp:	1811704
Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	34.5	25.4	38.0

Instrument :

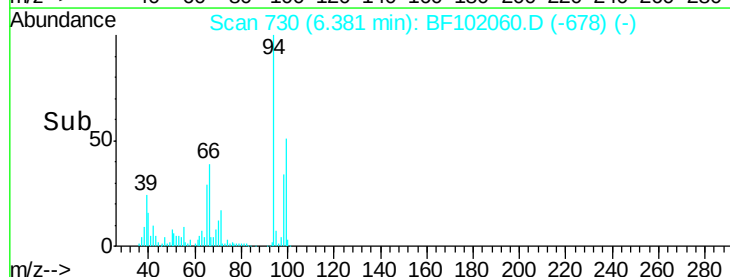
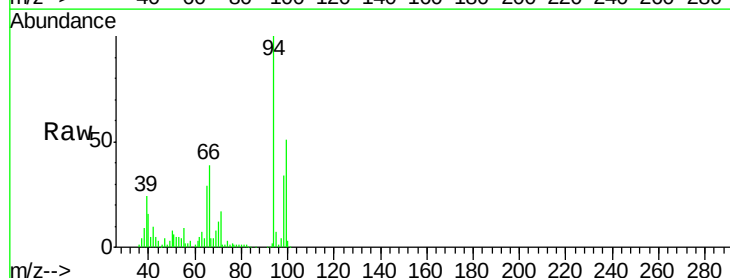
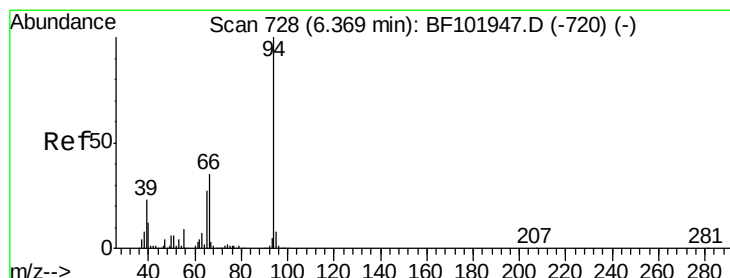
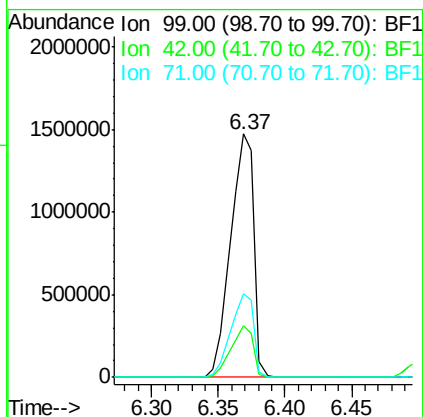
BNA_F

ClientSampleId :

OR-01-011118

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#10

Phenol

Concen: 4.720 ng

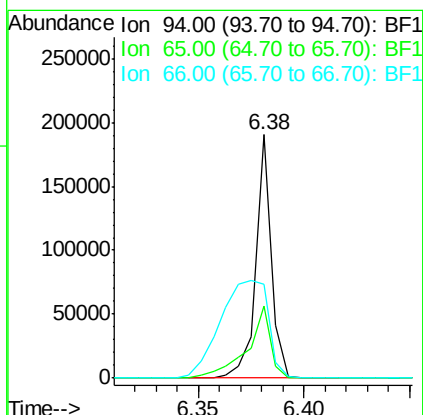
RT: 6.38 min Scan# 730

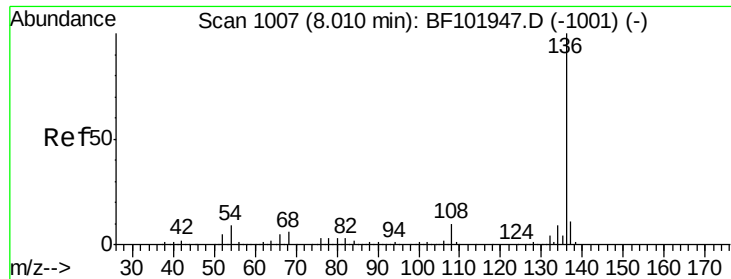
Delta R.T. 0.01 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Tgt Ion:	94	Resp:	98149
Ion	Ratio	Lower	Upper
94	100		
65	29.4	7.9	47.9
66	38.6	16.2	56.2





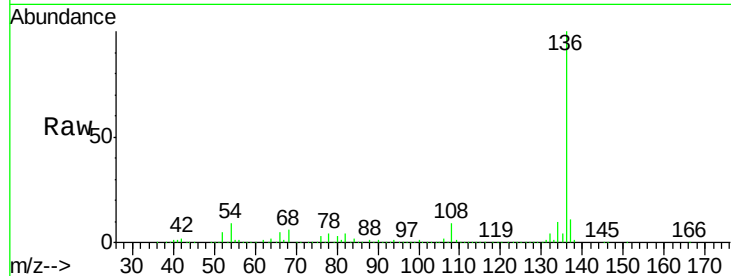
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

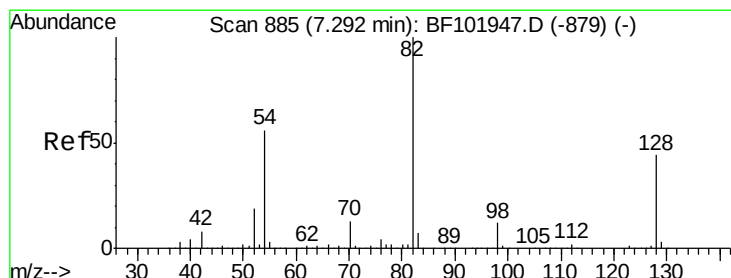
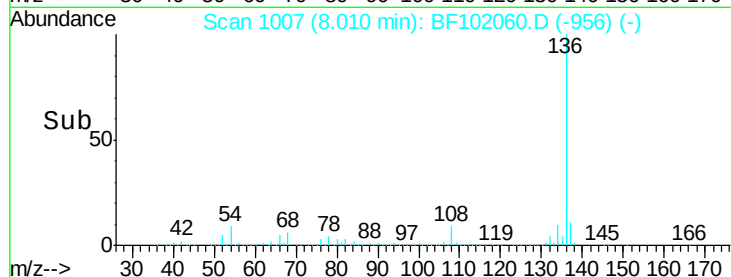
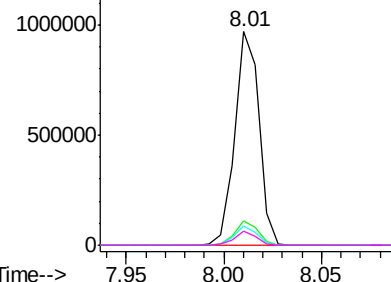
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	834437		
137	11.4	8.9	13.3	
54	9.0	6.6	9.8	
68	6.5	5.0	7.4	

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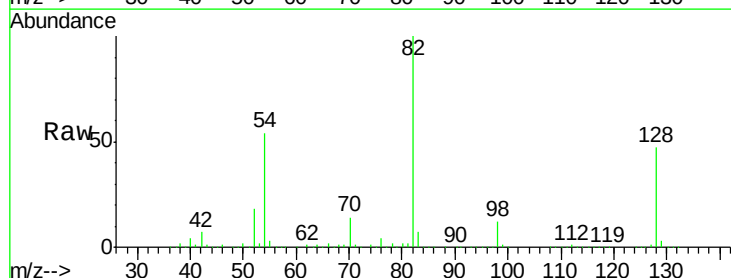


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

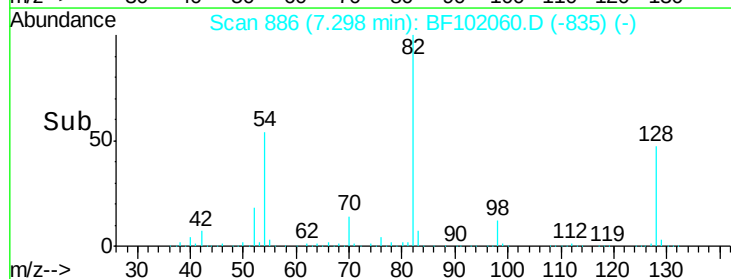
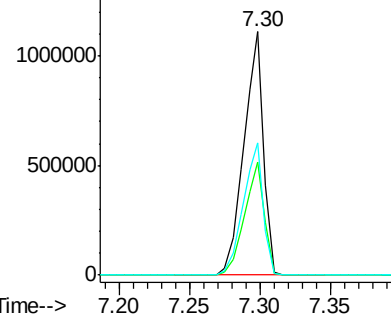


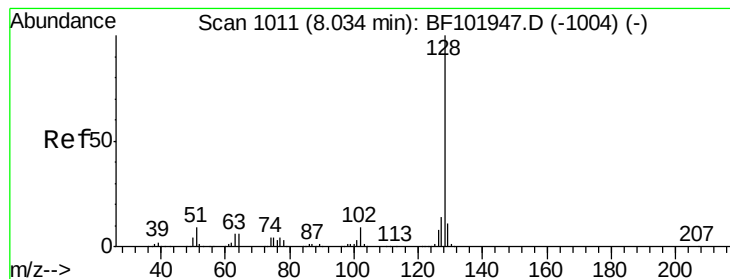
#23
Nitrobenzene-d5
Concen: 76.658 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1088527		
128	46.5	36.1	54.1	
54	54.5	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 6.384 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Instrument :

BNA_F

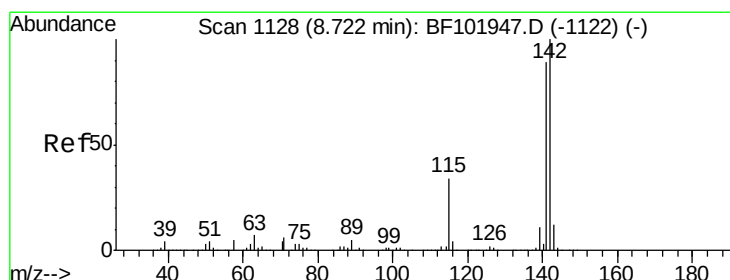
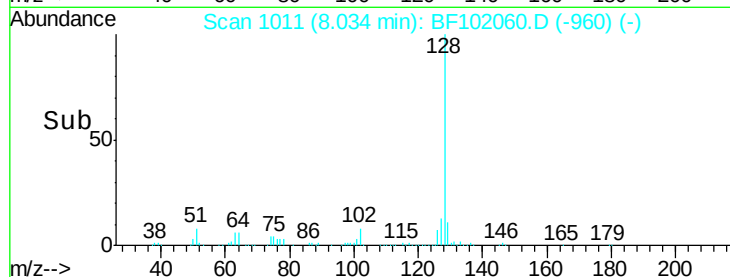
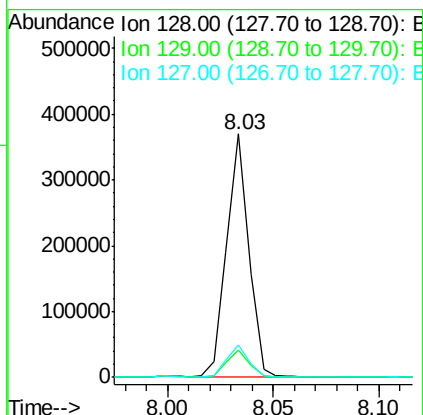
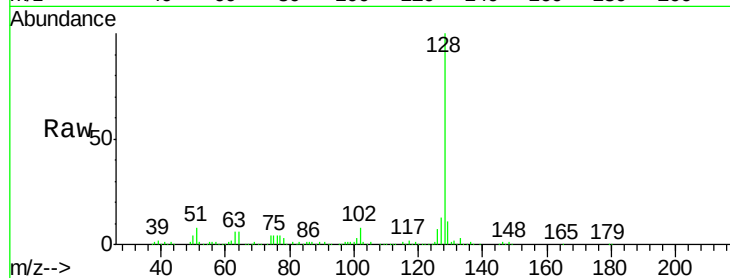
ClientSampleId :

OR-01-011118

Tgt Ion:	128	Resp:	266168
Ion Ratio		Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.9	16.3

Manual Integrations
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#37

2-Methylnaphthalene

Concen: 3.041 ng

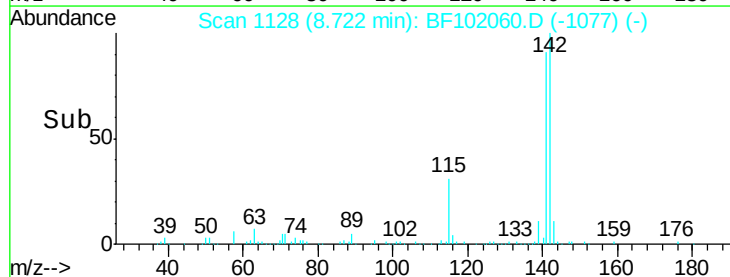
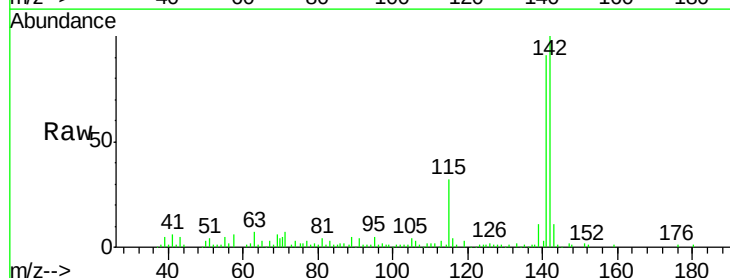
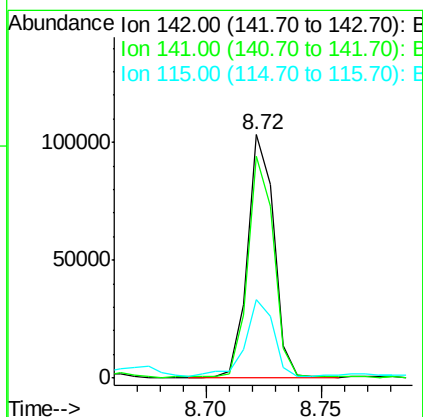
RT: 8.72 min Scan# 1128

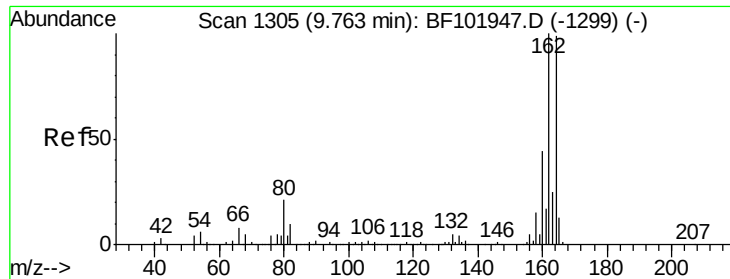
Delta R.T. 0.00 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Tgt Ion:	142	Resp:	83464
Ion Ratio		Lower	Upper
142	100		
141	91.3	70.8	106.2
115	32.2	26.1	39.1





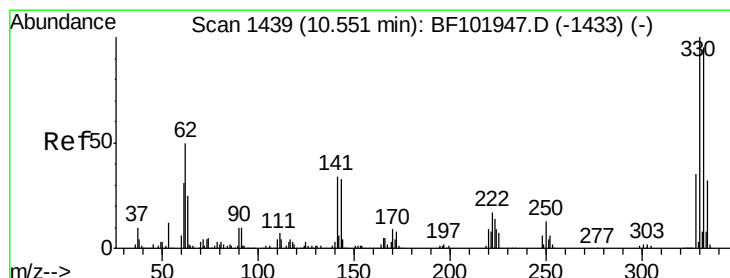
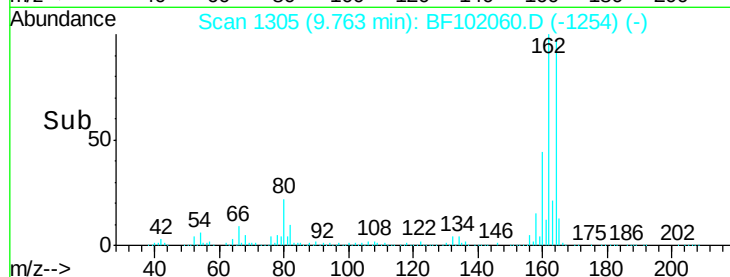
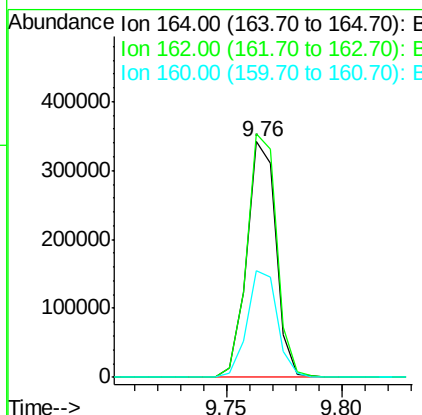
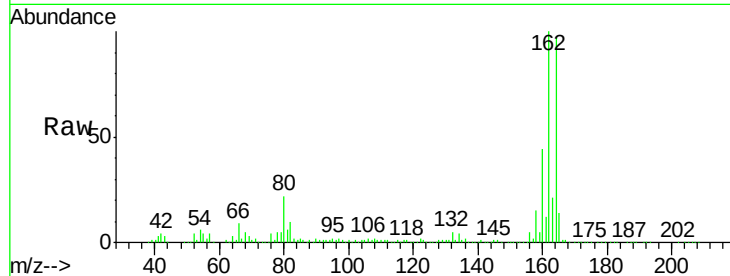
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-011118

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	302733		
162	103.4	86.1	129.1	
160	45.4	38.3	57.5	

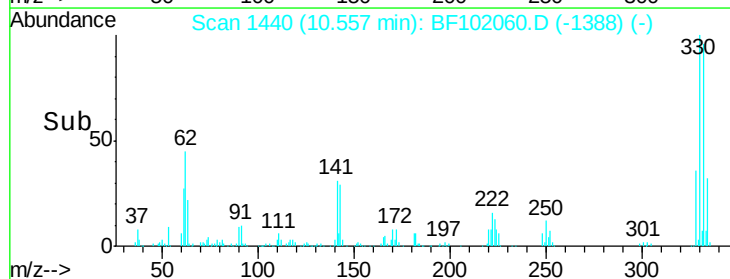
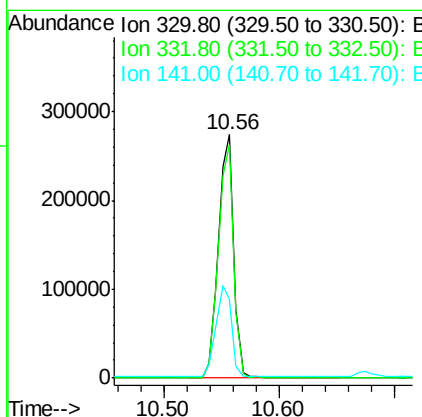
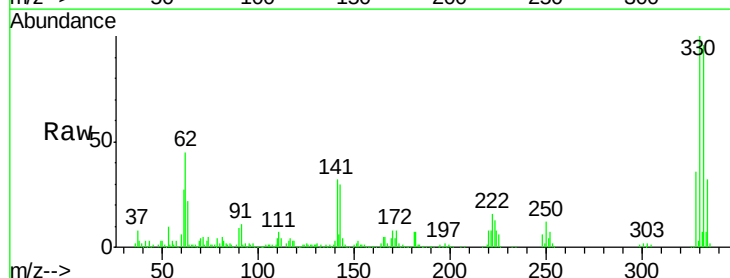
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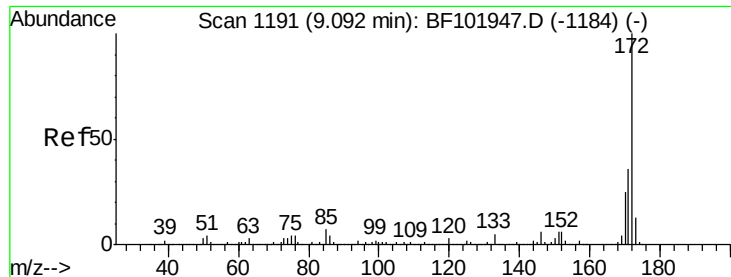
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#41
 2,4,6-Tribromophenol
 Concen: 95.697 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	252823		
332	95.7	77.0	115.6	
141	37.7	29.9	44.9	





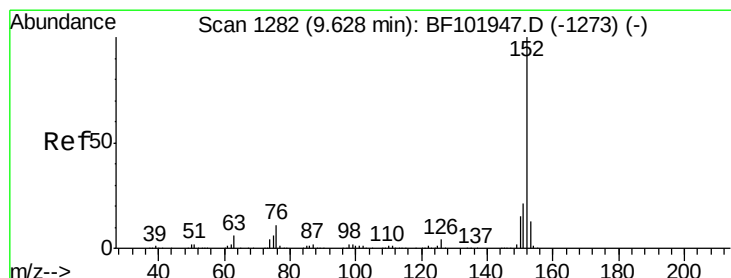
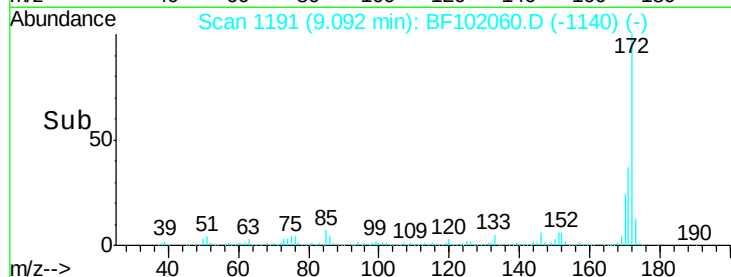
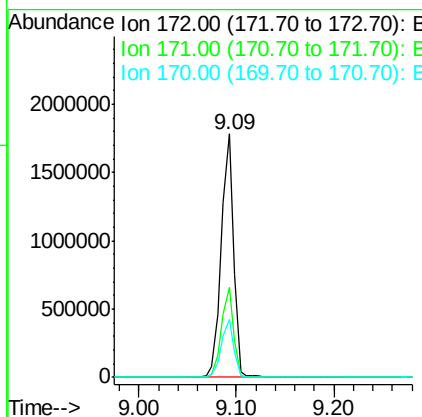
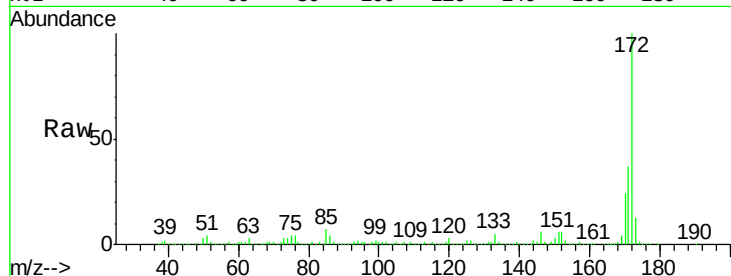
#44
2-Fluorobiphenyl
Concen: 81.503 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

Tgt Ion:172 Resp: 1579337
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.0 19.6 29.4

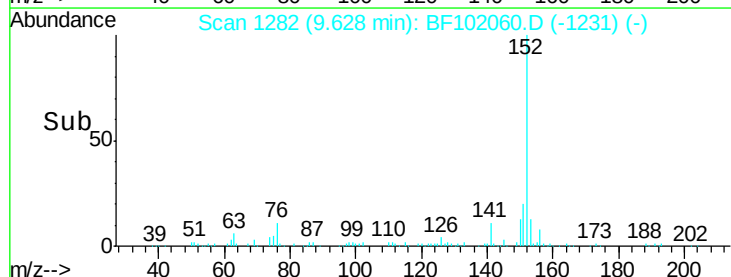
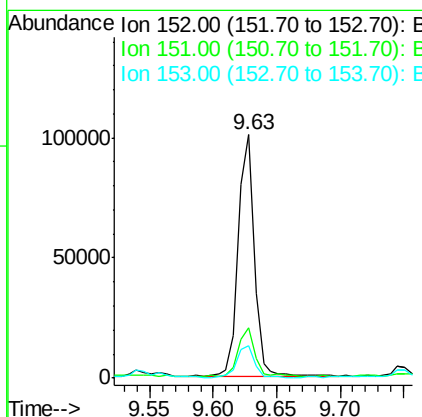
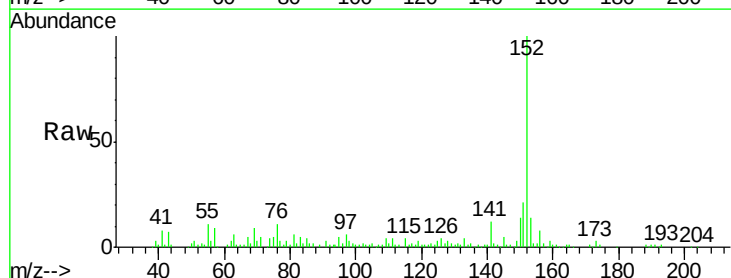
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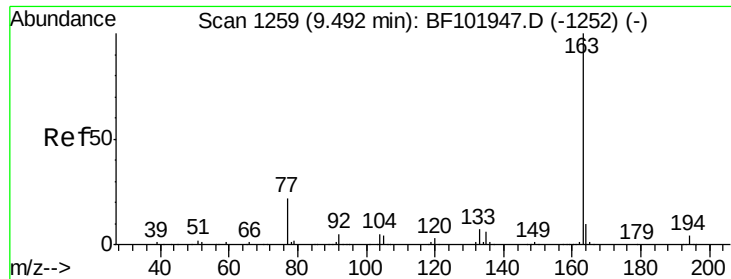
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#48
Acenaphthylene
Concen: 2.678 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion:152 Resp: 88200
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5
153 13.5 10.7 16.1





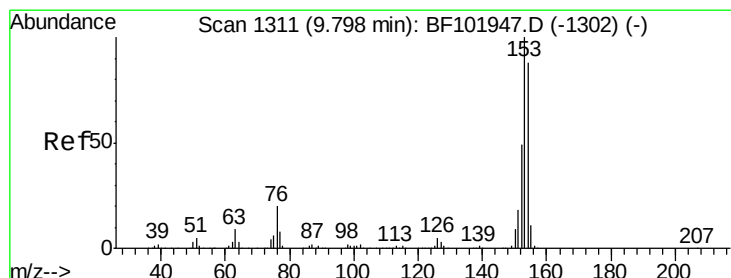
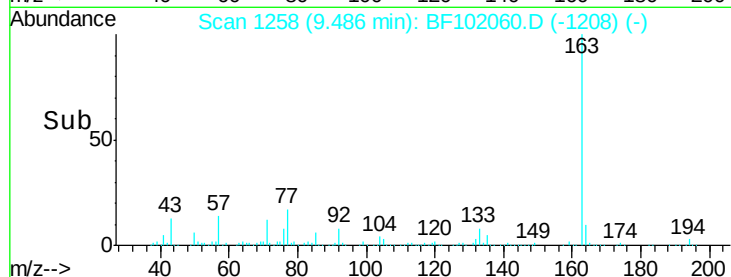
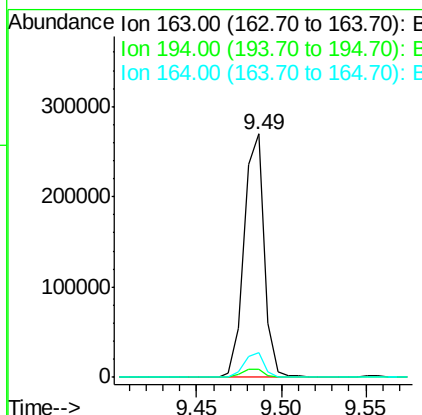
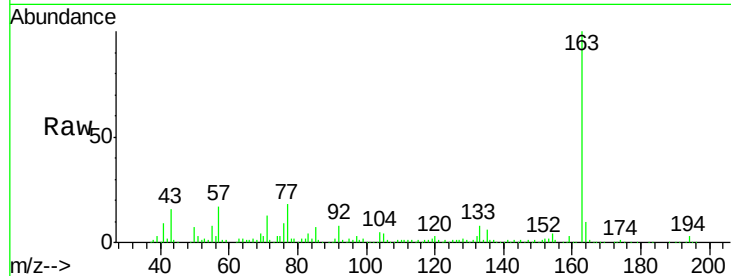
#49
Dimethylphthalate
Concen: 9.170 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	222695		
194	3.4	2.7	4.1	
164	10.0	8.2	12.2	

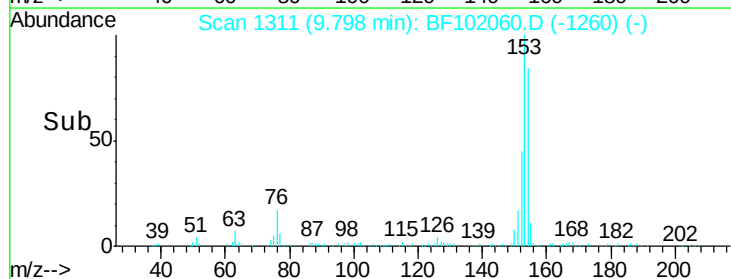
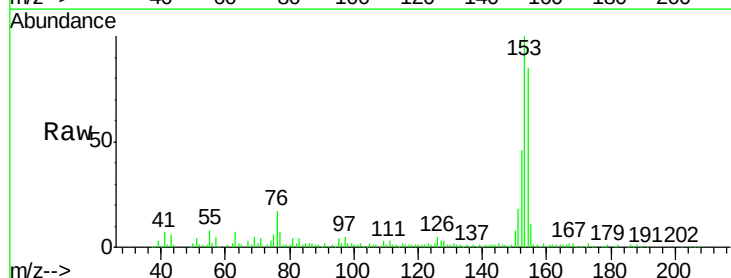
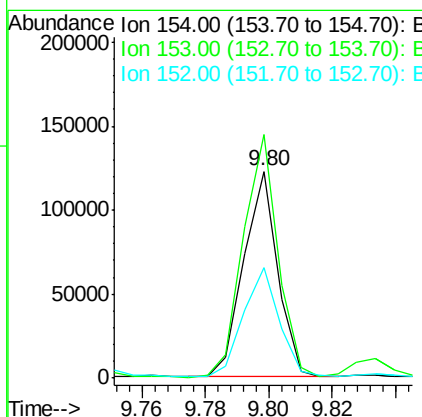
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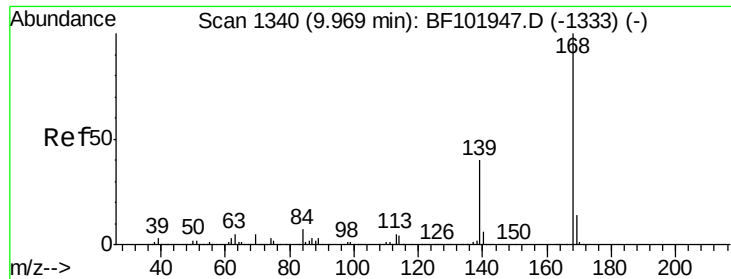
Sohil
1/15/2018 4:23:03 PM



#51
Acenaphthene
Concen: 4.554 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	91025		
153	117.6	91.2	136.8	
152	53.7	43.8	65.8	





#54

Dibenzofuran

Concen: 4.112 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Instrument :

BNA_F

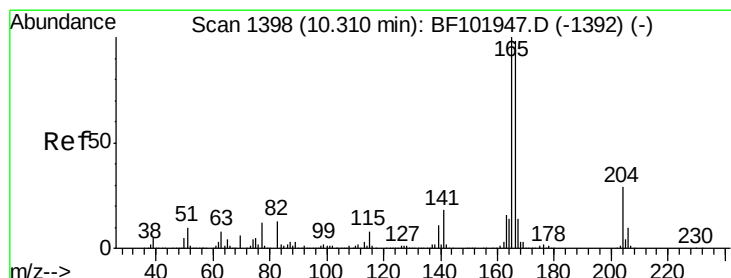
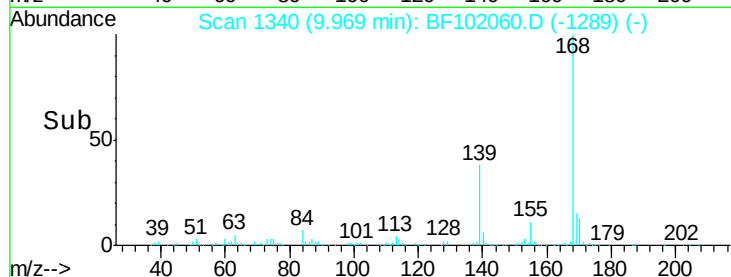
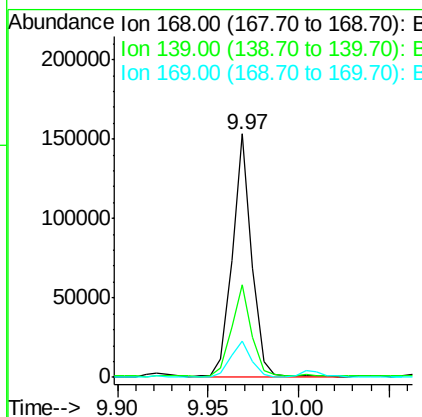
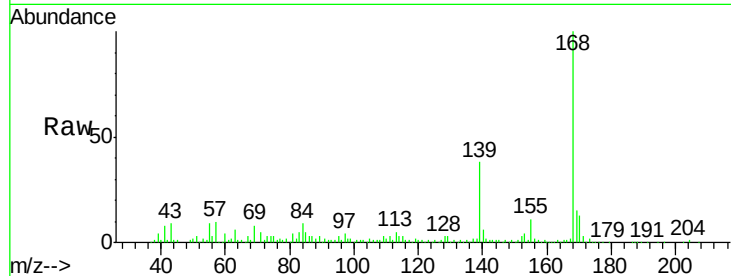
ClientSampleId :

OR-01-011118

Tgt Ion:	168	Resp:	112795
Ion Ratio	Lower	Upper	
168	100		
139	38.3	30.1	45.1
169	15.0	10.9	16.3

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Sohil
1/15/2018 4:23:03 PM



#57

Fluorene

Concen: 7.075 ng

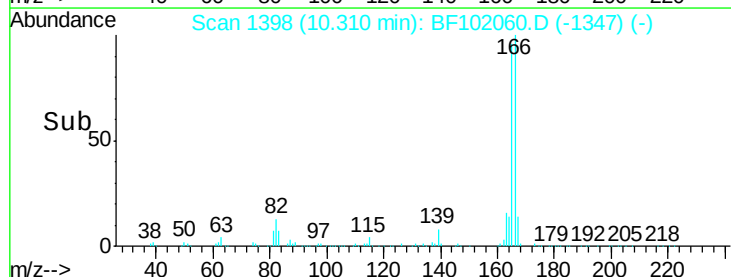
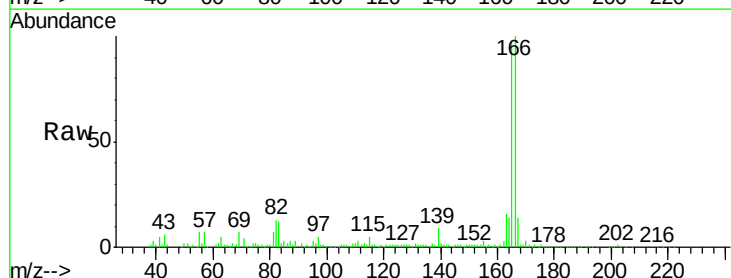
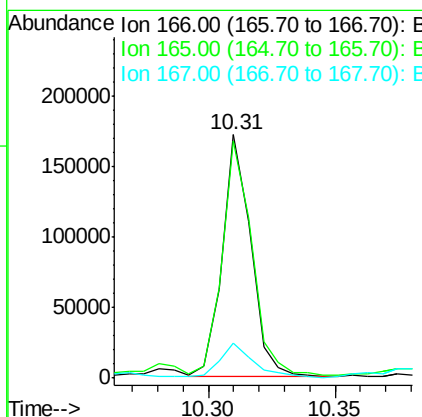
RT: 10.31 min Scan# 1398

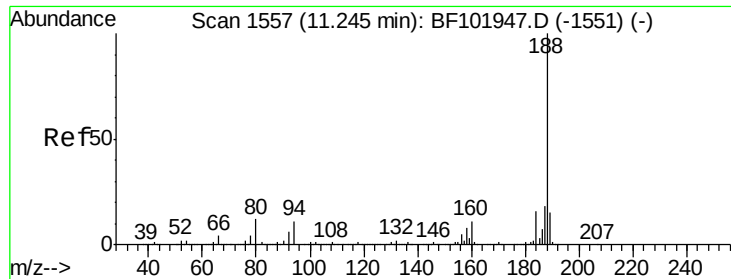
Delta R.T. 0.00 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Tgt Ion:	166	Resp:	134162
Ion Ratio	Lower	Upper	
166	100		
165	97.2	79.8	119.8
167	14.2	10.6	16.0





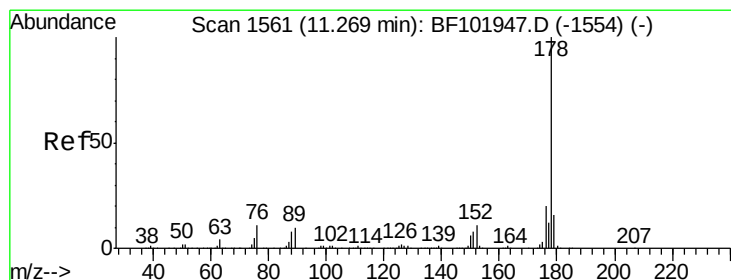
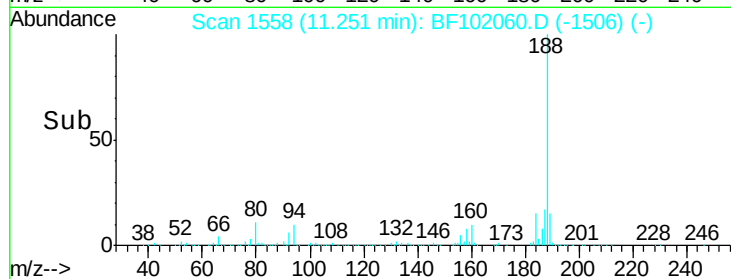
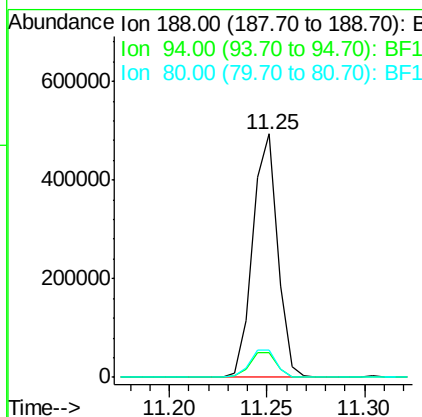
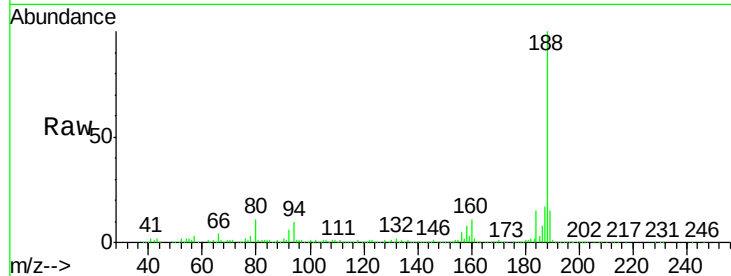
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.4	8.5	12.7
80	11.2	9.2	13.8

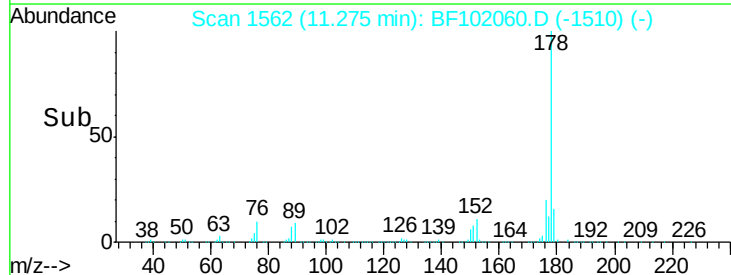
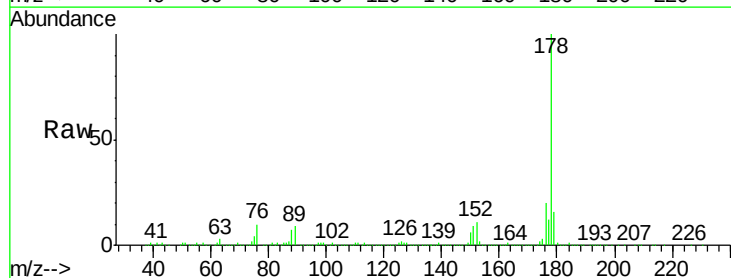
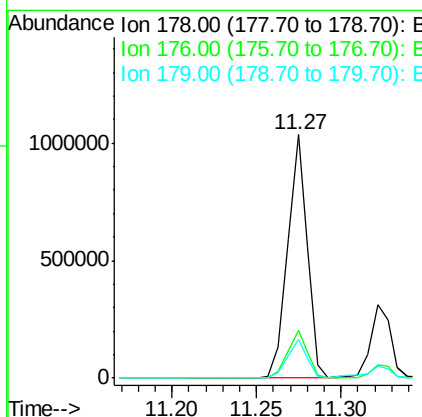
Manual Integrations
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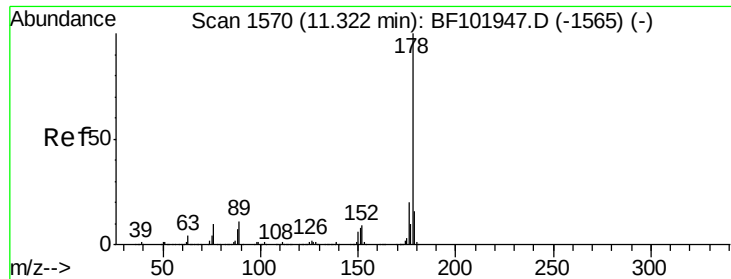
Sohil
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#70
Phenanthrene
Concen: 33.148 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.8	23.8
179	15.8	13.0	19.6





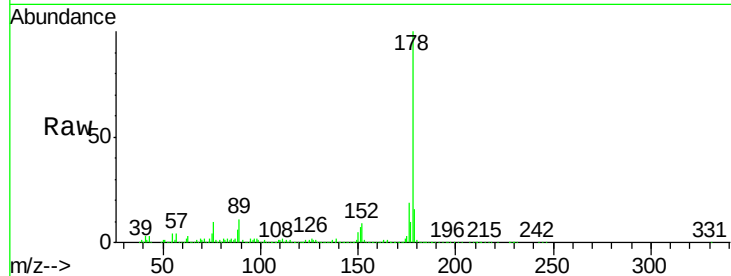
#71
 Anthracene
 Concen: 9.719 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Instrument :
 BNA_F
 ClientSampled :
 OR-01-011118

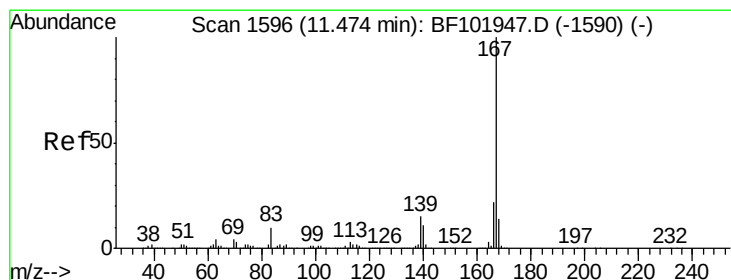
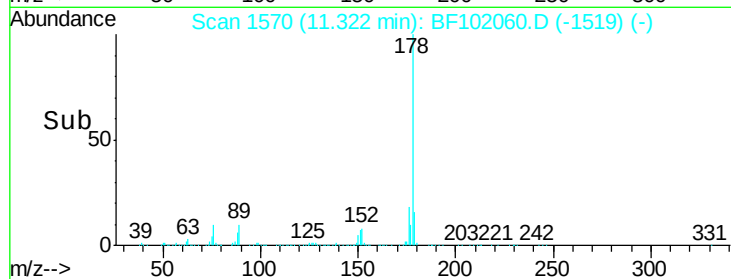
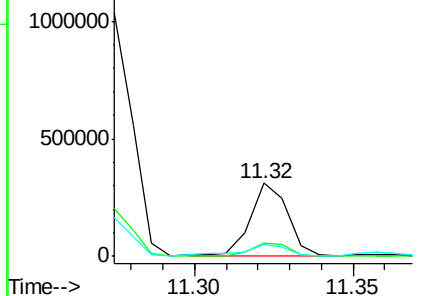
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.2	12.6	19.0

Manual Integrations
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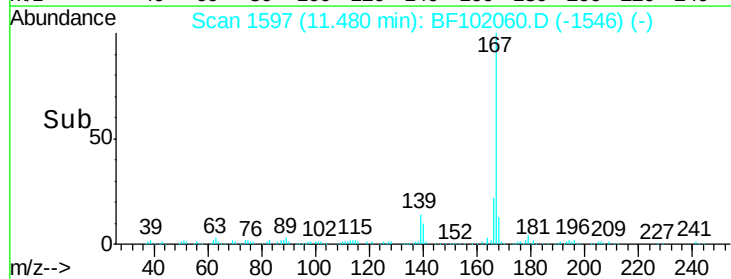
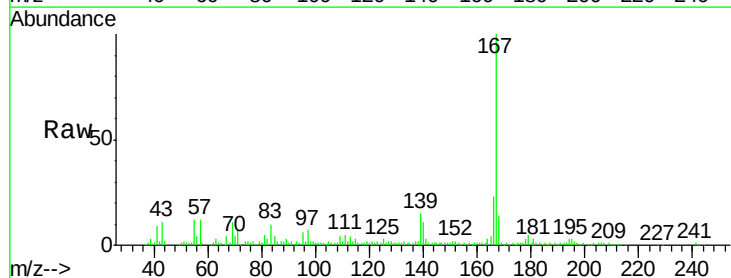
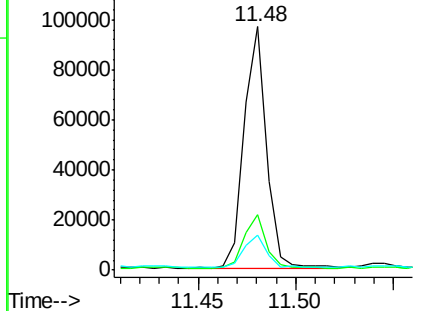
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

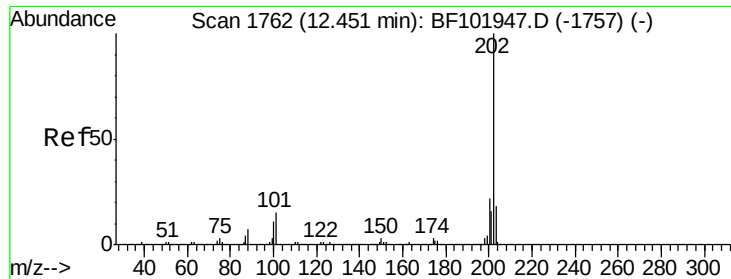


#72
 Carbazole
 Concen: 3.044 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	14.6	10.9	16.3

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





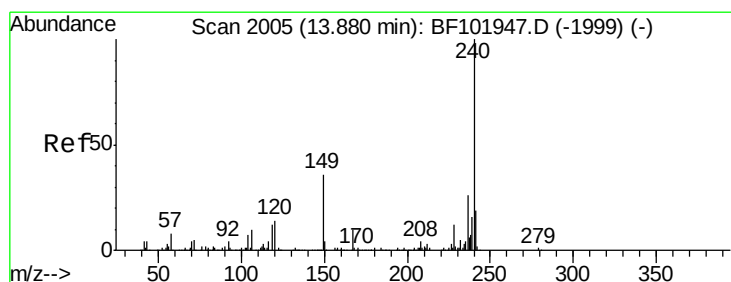
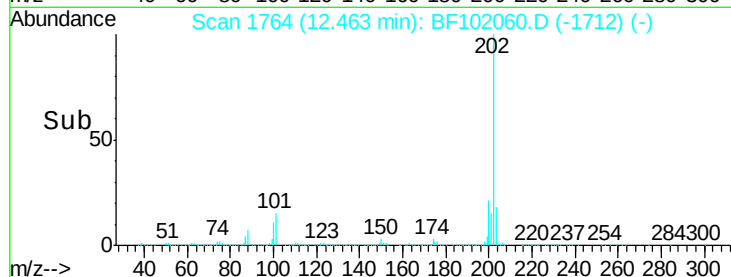
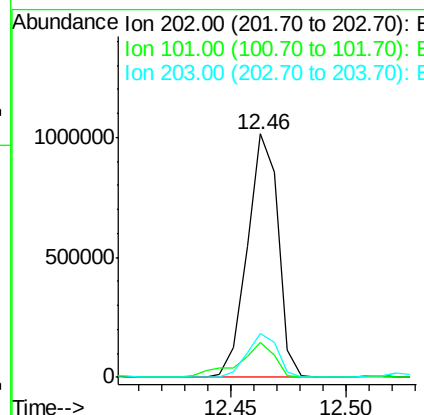
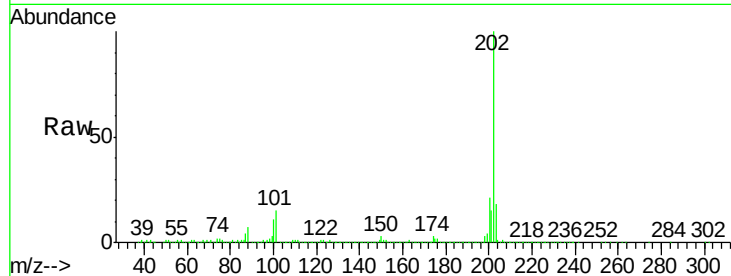
#74
Fluoranthene
Concen: 37.582 ng
RT: 12.46 min Scan# 1764
Delta R.T. 0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.5	0.0	34.1
203	17.8	0.0	38.1

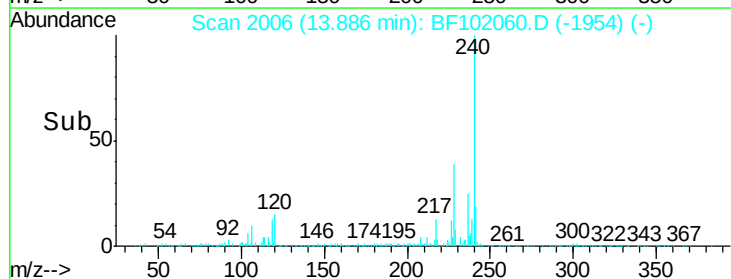
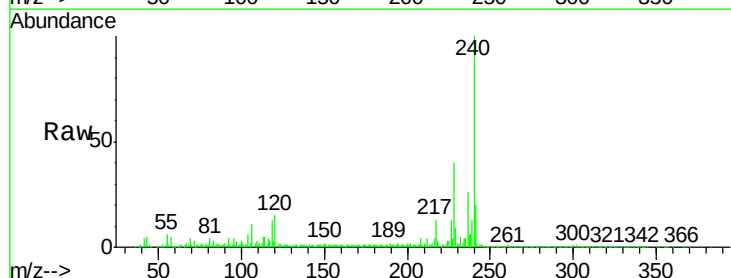
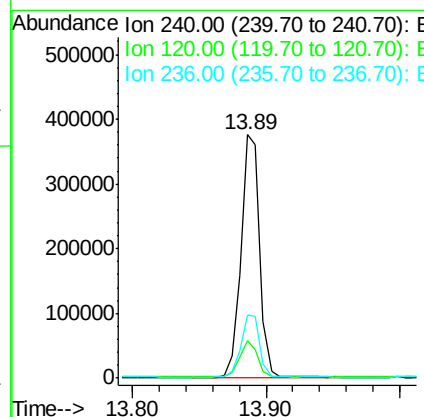
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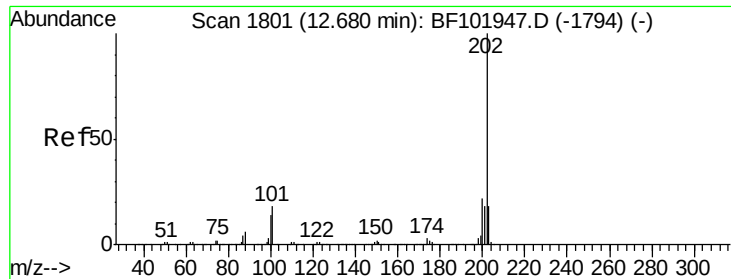
Sohil
1/15/2018 4:23:03 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.2	9.5	14.3#
236	25.9	20.7	31.1





#77

Pyrene

Concen: 26.596 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Instrument :

BNA_F

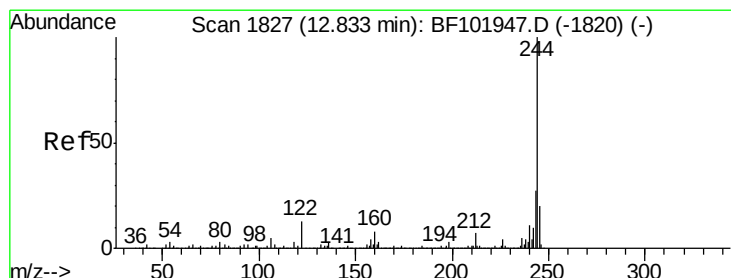
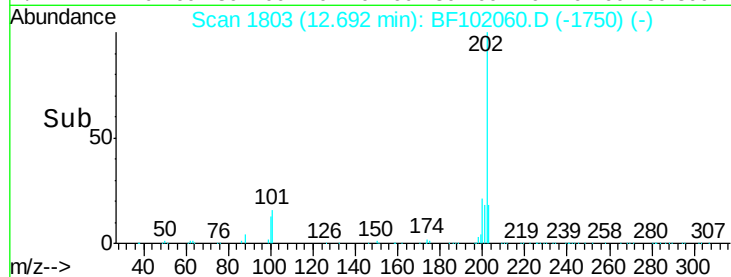
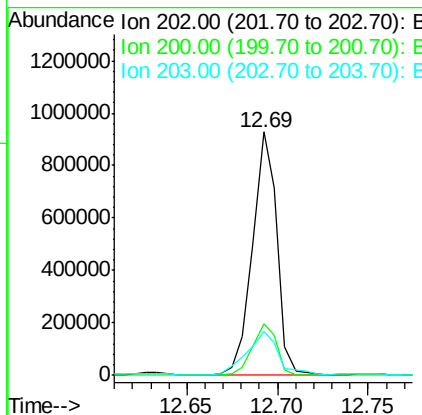
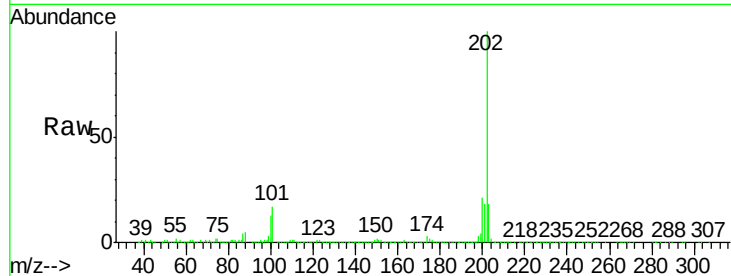
ClientSampleId :

OR-01-011118

Tgt Ion:	202	Resp:	860889
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.2	14.3	21.5

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1/15/2018 4:23:03 PM



#78

Terphenyl-d14

Concen: 63.226 ng

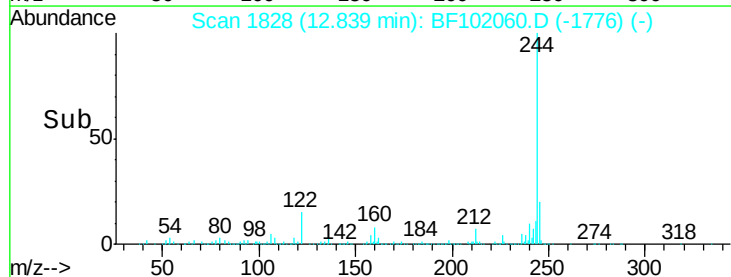
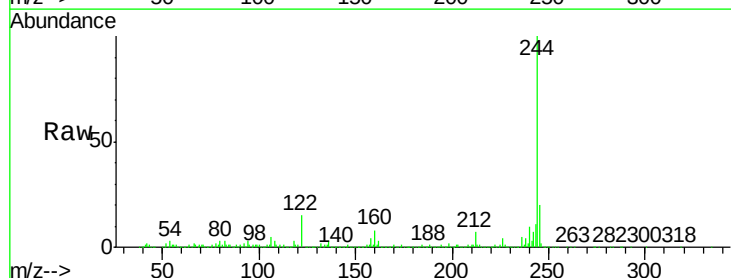
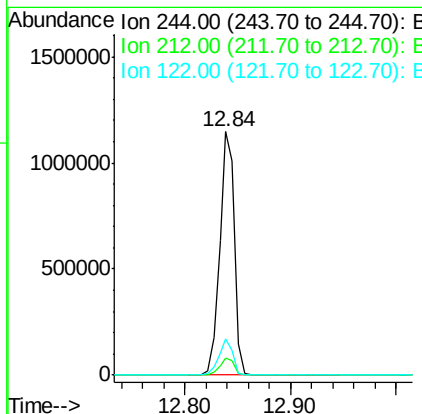
RT: 12.84 min Scan# 1828

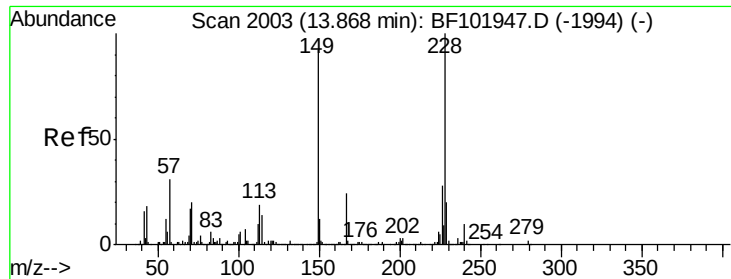
Delta R.T. 0.01 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Tgt Ion:	244	Resp:	1115136
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	14.7	11.0	16.4





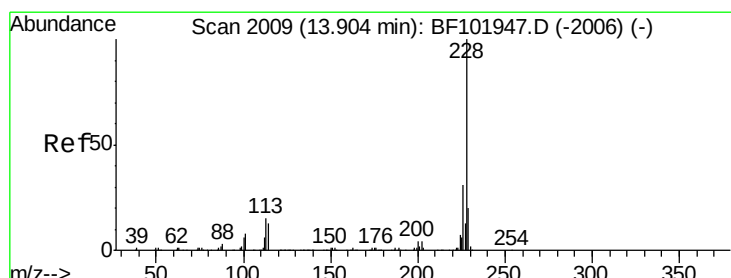
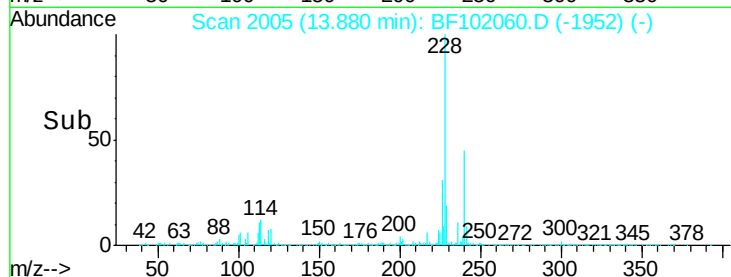
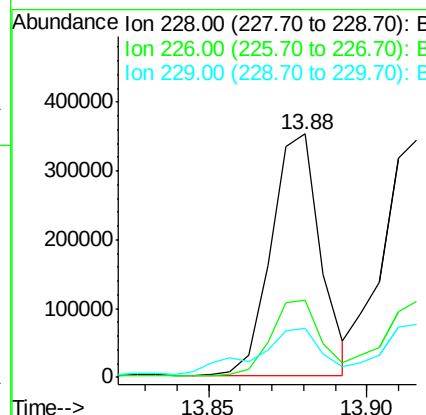
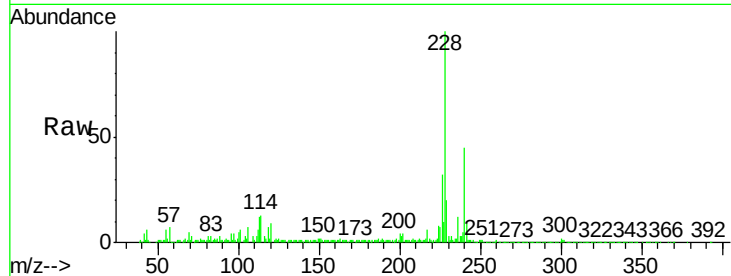
#80
Benzo(a)anthracene
Concen: 16.281 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.1	15.8	23.6

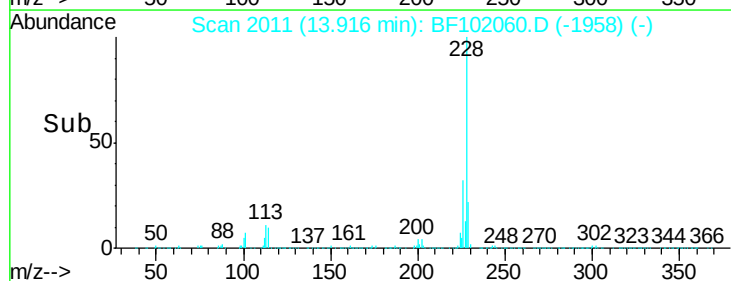
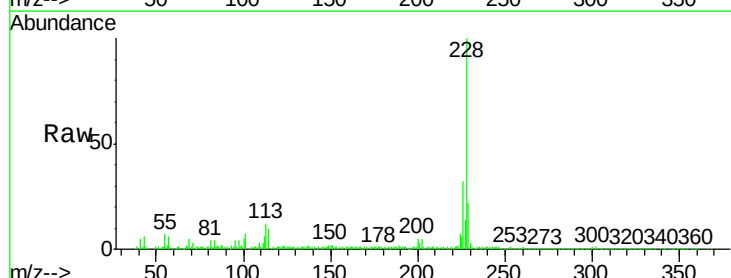
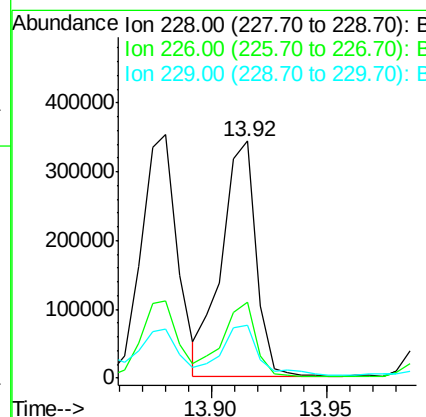
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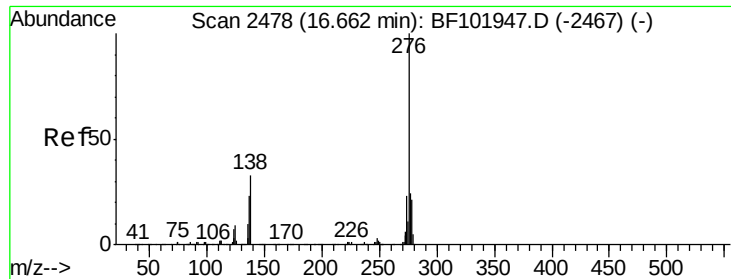
Sohil
1/15/2018 4:23:03 PM



#82
Chrysene
Concen: 14.564 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	22.5	16.2	24.4





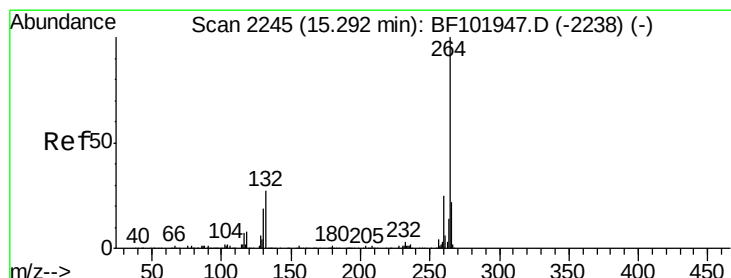
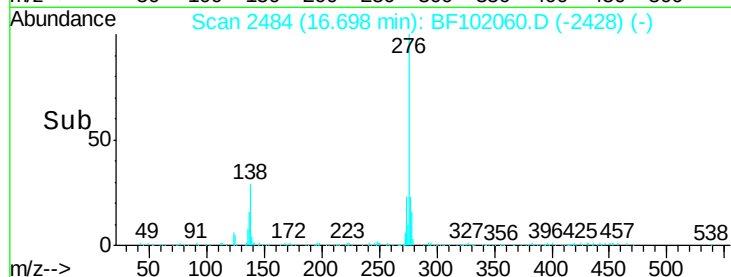
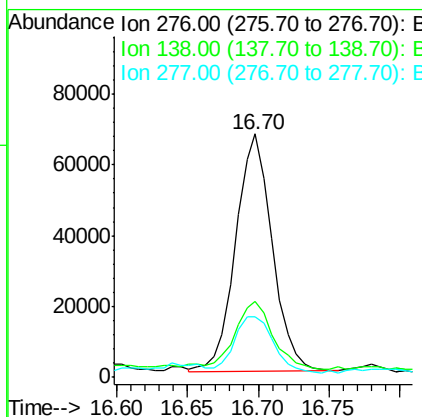
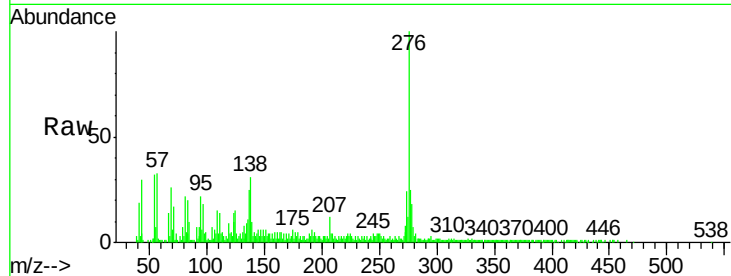
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.848 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. 0.03 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-011118

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	25.0	37.6
277	25.2	20.1	30.1

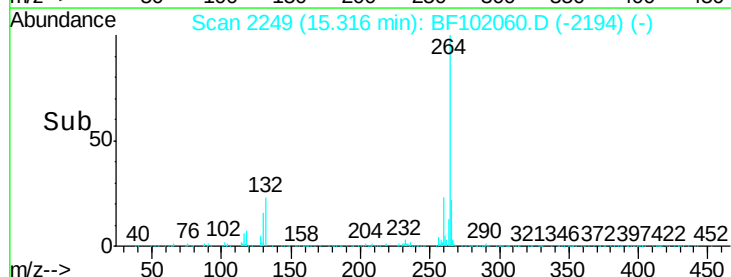
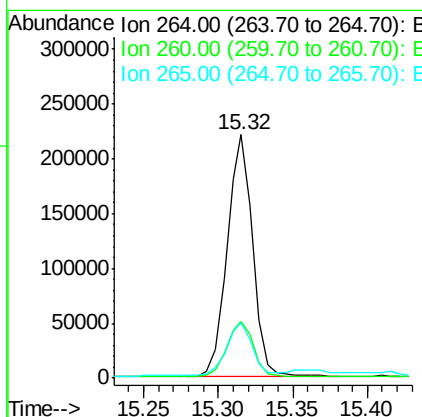
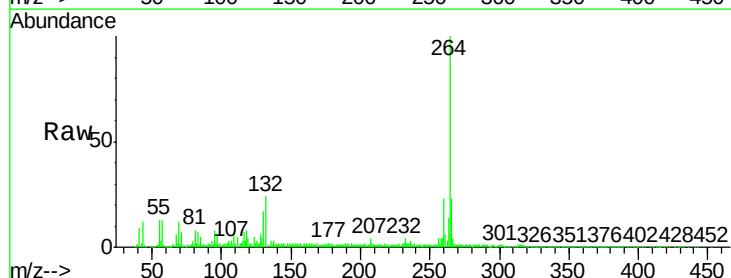
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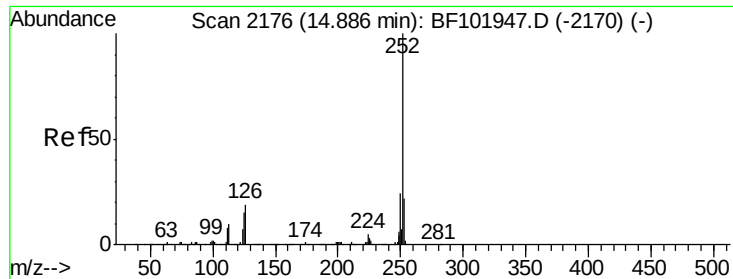
Sohil
 1/15/2018 4:23:03 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.02 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 19.505 ng m

RT: 14.90 min Scan# 2179

Delta R.T. 0.02 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Instrument :

BNA_F

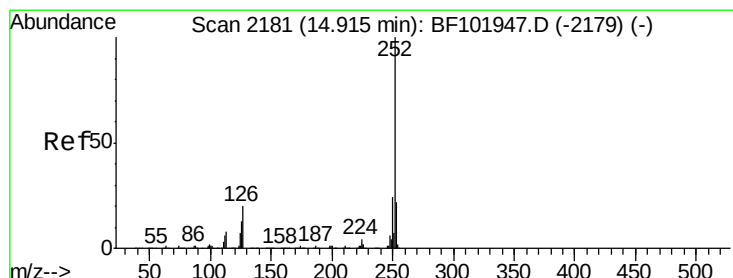
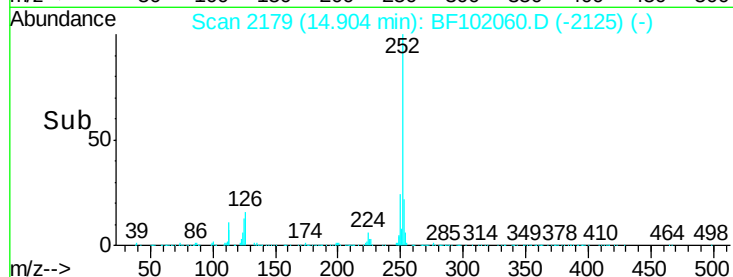
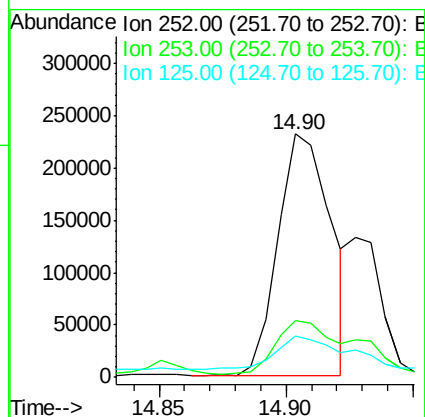
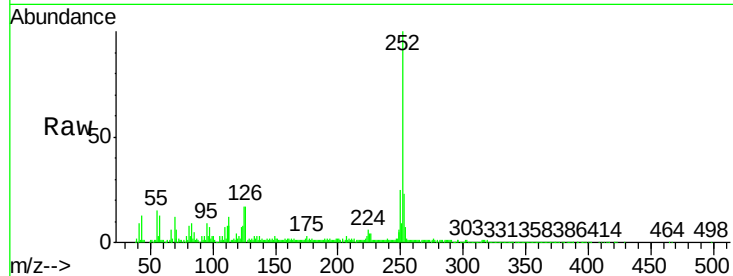
ClientSampleId :

OR-01-011118

Tgt Ion:	252	Resp:	337304
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	16.8	9.0	13.6#

Manual Integrations
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Sohil
1/15/2018 4:23:03 PM



#88

Benzo(k)fluoranthene

Concen: 7.239 ng m

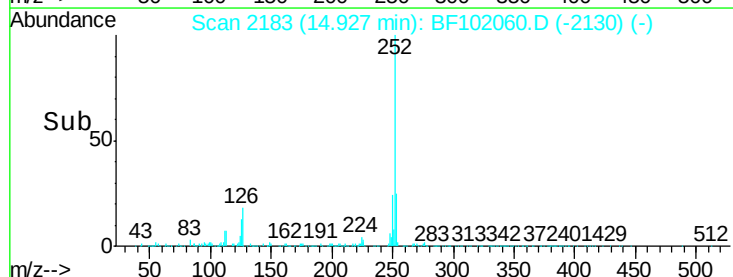
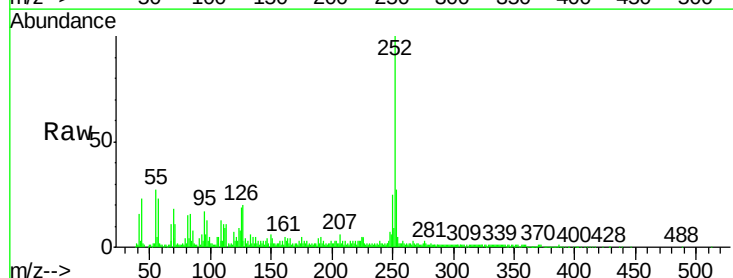
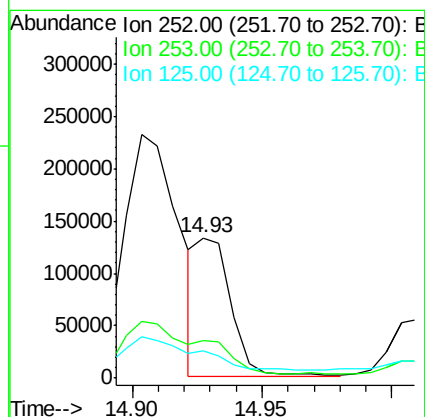
RT: 14.93 min Scan# 2183

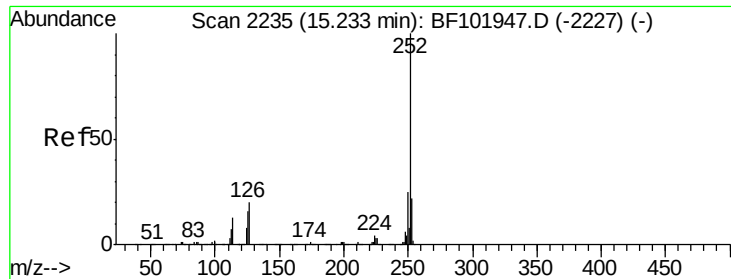
Delta R.T. 0.01 min

Lab File: BF102060.D

Acq: 12 Jan 2018 23:06

Tgt Ion:	252	Resp:	120768
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.9	26.9#
125	19.4	10.2	15.2#





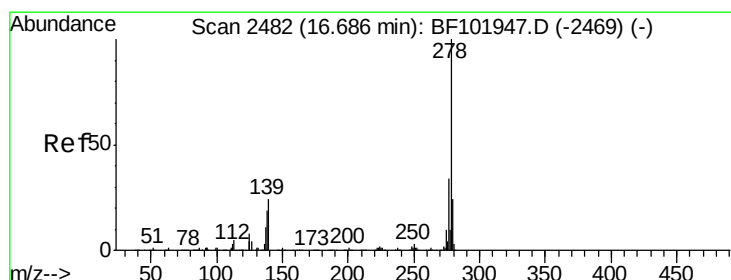
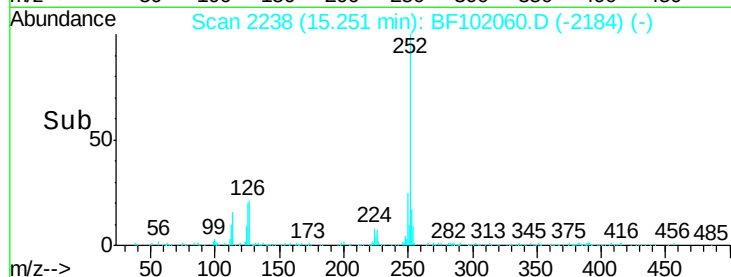
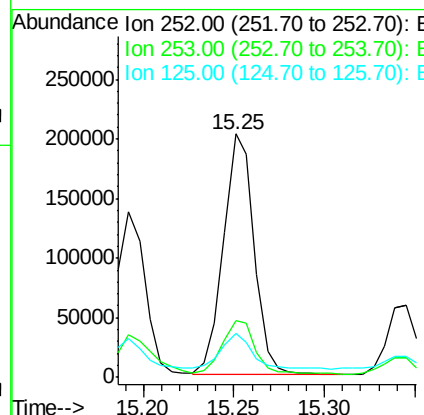
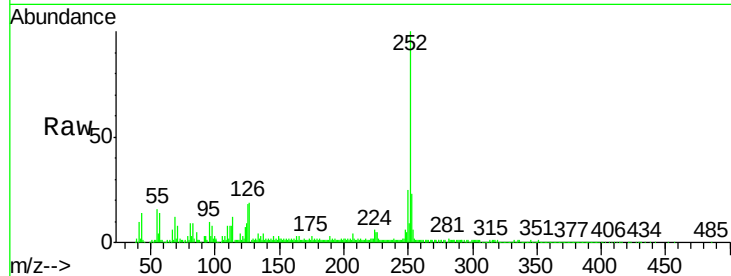
#89
Benzo(a)pyrene
Concen: 15.389 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-011118

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	17.9	9.8	14.6

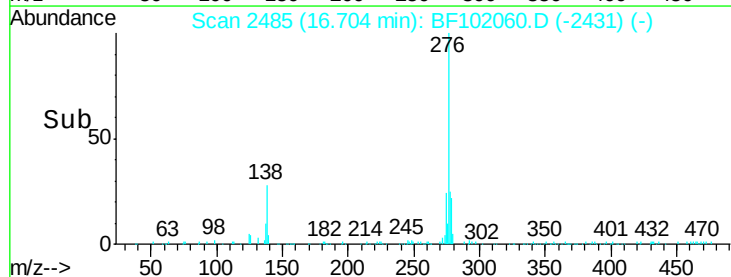
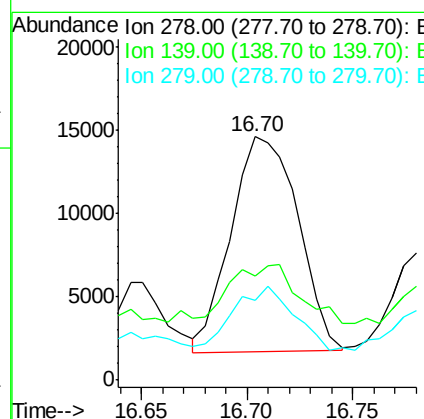
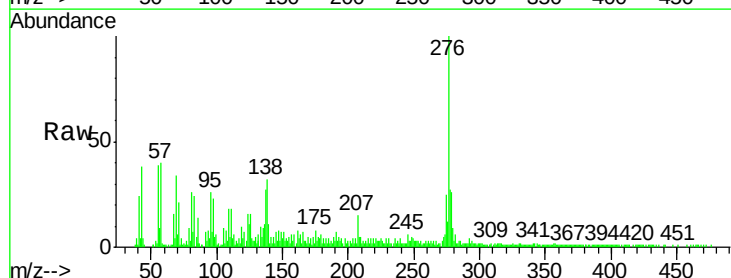
Manual Integrations
APPROVED

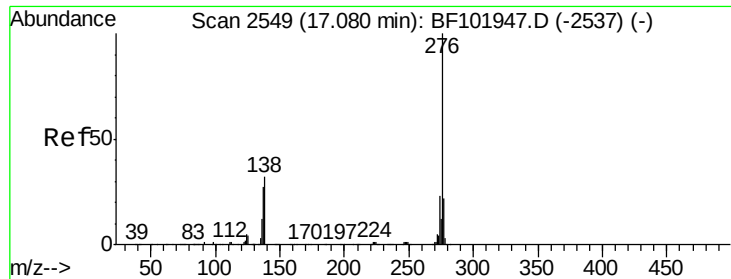
Sohil
1/15/2018 4:23:03 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.287 ng
RT: 16.70 min Scan# 2485
Delta R.T. 0.02 min
Lab File: BF102060.D
Acq: 12 Jan 2018 23:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.6	15.9	23.9
279	33.0	19.0	28.4





#91
 Benzo(g,h,i)perylene
 Concen: 9.845 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. 0.03 min
 Lab File: BF102060.D
 Acq: 12 Jan 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-011118

Tgt	Ion	276	Resp:	123152
Ion	Ratio	Lower	Upper	
276	100			
277	23.6	17.9	26.9	
138	29.1	21.8	32.8	

Manual Integrations
 APPROVED

Sohil
 1/15/2018 4:23:03 PM

