

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109111.D
 Acq On : 18 Sep 2018 22:17
 Operator : JU/SJ
 Sample : J4959-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BACKFILL-SW2

Manual Integrations
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 9/19/2018 4:23:54 PM

Quant Time: Sep 19 05:25:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147929	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	512962	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	201960	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	348346	20.00	ng	0.00
75) Chrysene-d12	13.87	240	359147	20.00	ng	0.00
86) Perylene-d12	15.27	264	326773	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	536314	60.22	ng	0.00
7) Phenol-d6	6.35	99	689899	60.07	ng	0.00
23) Nitrobenzene-d5	7.28	82	417777	45.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	128729	58.73	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	677405	52.55	ng	0.00
78) Terphenyl-d14	12.81	244	606120	40.00	ng	0.00
Target Compounds						
31) Naphthalene	8.02	128	231837	9.738	ng	98
37) 2-Methylnaphthalene	8.71	142	74931	4.828	ng	99
45) 1,1'-Biphenyl	9.18	154	38093	2.358	ng	95
48) Acenaphthylene	9.61	152	43226	2.216	ng	98
49) Dimethylphthalate	9.47	163	93018	6.444	ng	# 98
51) Acenaphthene	9.78	154	147878	12.172	ng	98
54) Dibenzofuran	9.95	168	251803	14.343	ng	99
57) Fluorene	10.30	166	271264	23.187	ng	100
70) Phenanthrene	11.26	178	1790345	104.846	ng	98
71) Anthracene	11.31	178	920813	53.196	ng	99
72) Carbazole	11.46	167	314204	18.337	ng	99
74) Fluoranthene	12.45	202	1673662	92.841	ng	96
77) Pyrene	12.67	202	1507799	56.521	ng	98
80) Benzo(a)anthracene	13.85	228	776684	35.720	ng	98
82) Chrysene	13.89	228	720969	33.141	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	224317	12.897	ng	# 89
87) Benzo(b)fluoranthene	14.87	252	730031m	40.383	ng	
88) Benzo(k)fluoranthene	14.89	252	190682m	11.293	ng	
89) Benzo(a)pyrene	15.21	252	508990	31.704	ng	97
90) Dibenz(a,h)anthracene	16.62	278	54384	4.032	ng	97
91) Benzo(g,h,i)perylene	17.02	276	196103	14.542	ng	92

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

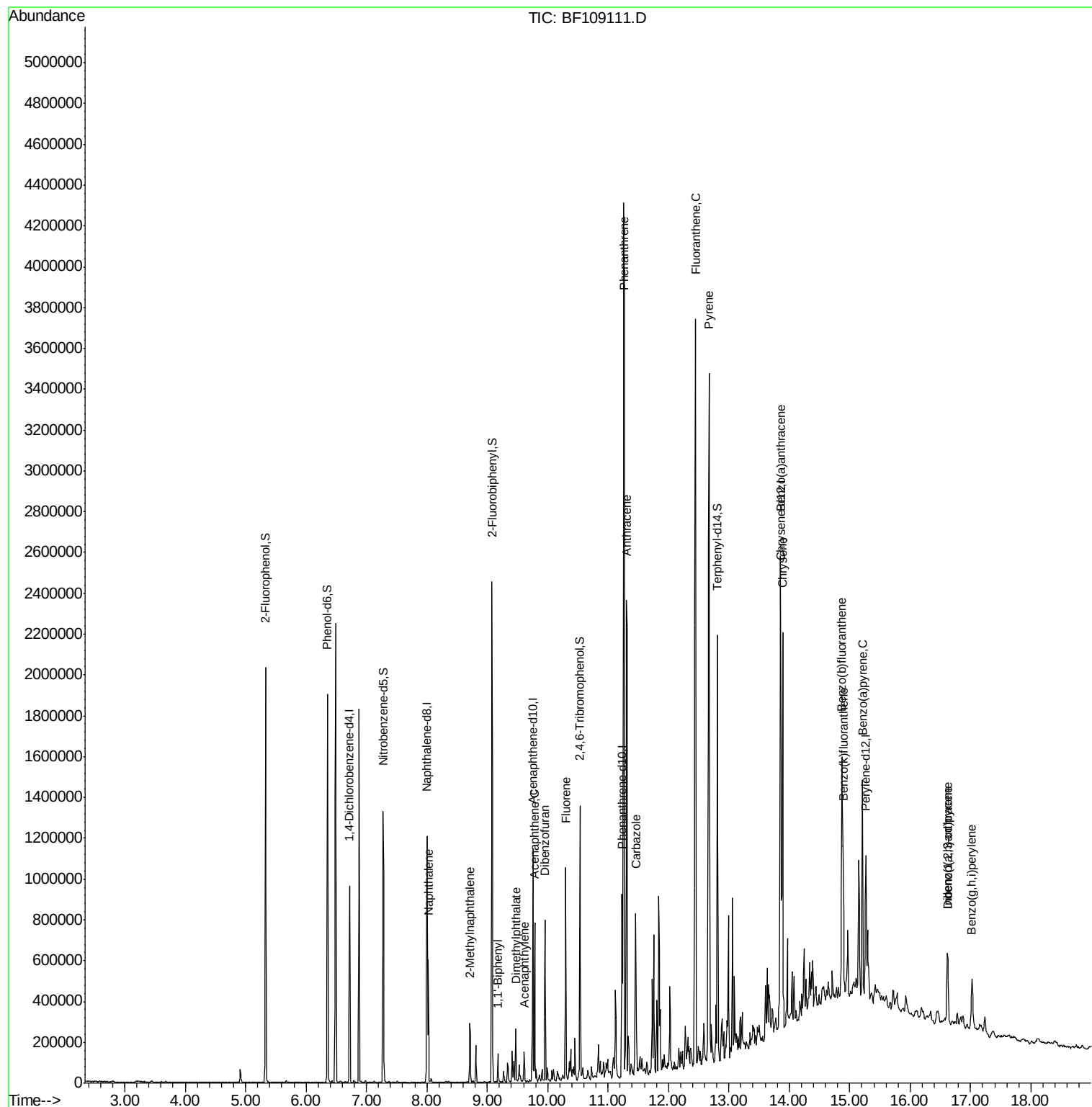
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109111.D
Acq On : 18 Sep 2018 22:17
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Sample : J4959-01
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ALS Vial : 21 Sample Multiplier: 1

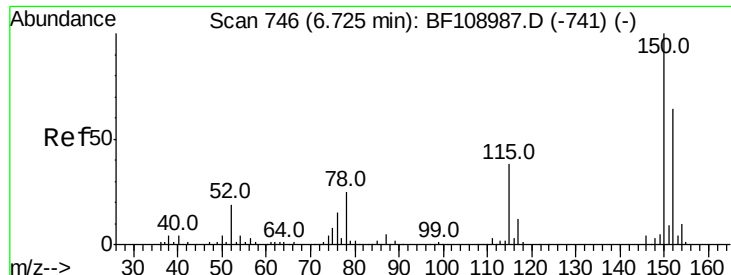
Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Quant Time: Sep 19 05:25:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
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#1

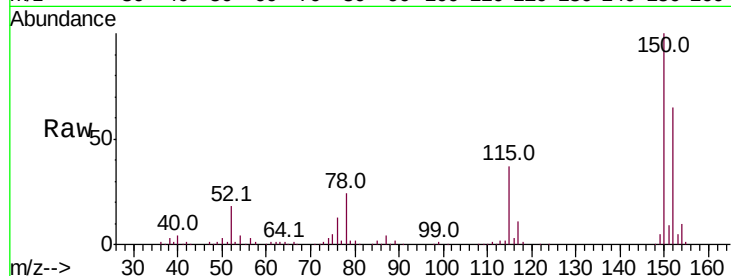
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	57.2	50.1	75.1

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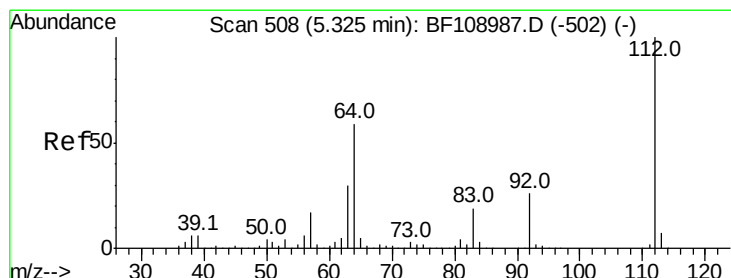
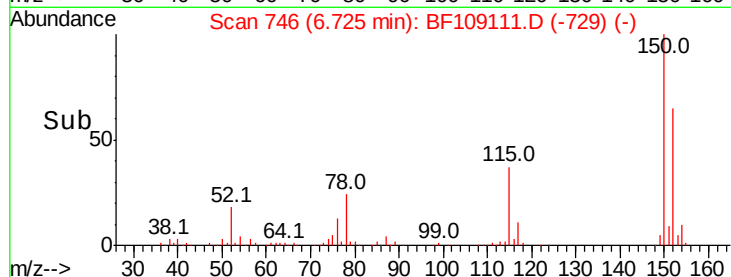
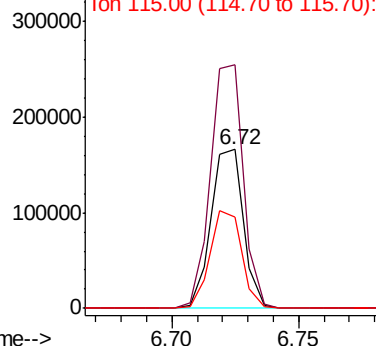


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

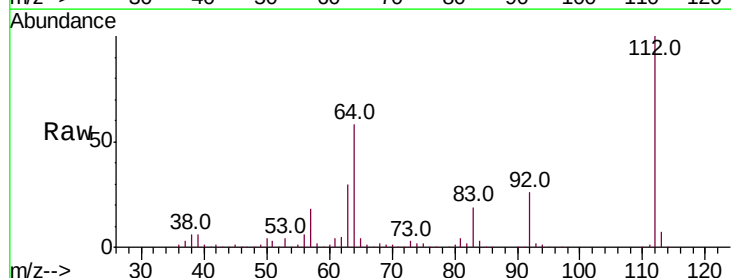
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.215 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	30.3	23.7	35.5

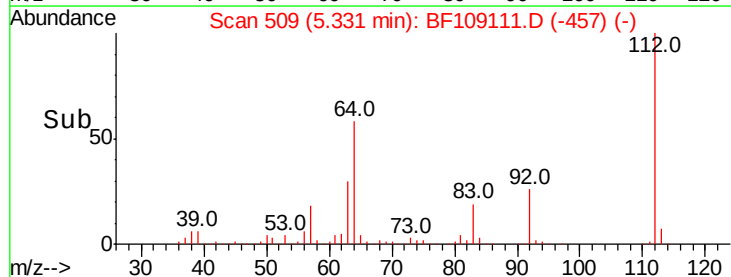
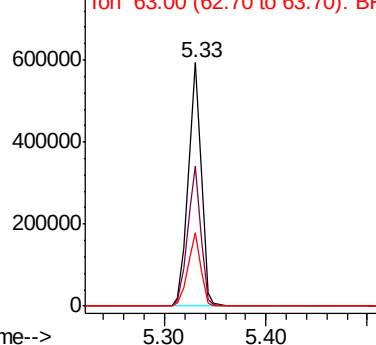


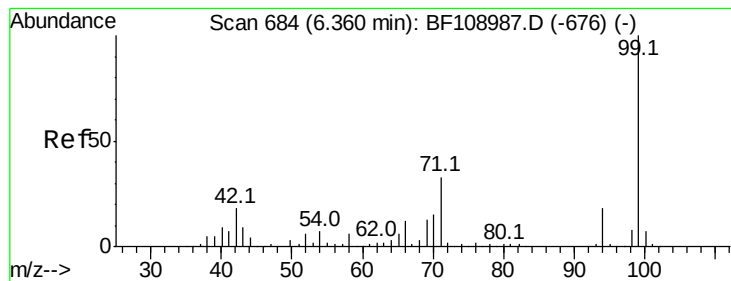
Abundance

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: 60.071 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Instrument :

BNA_F

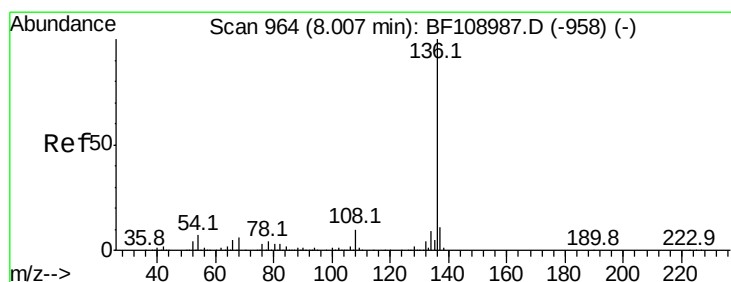
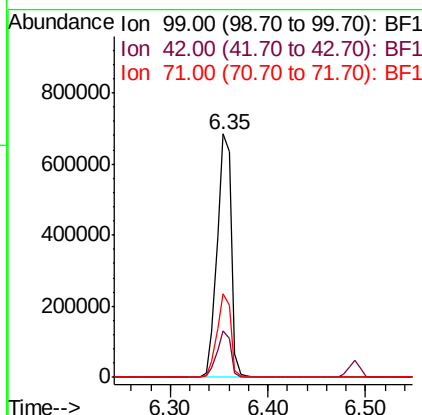
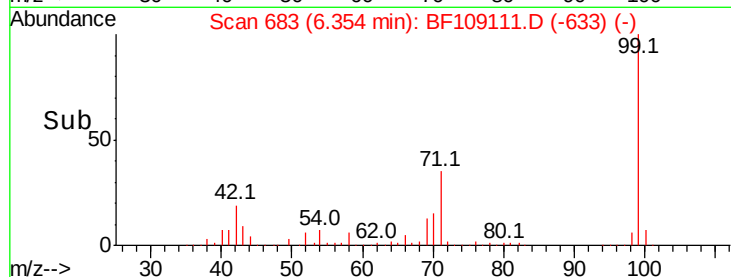
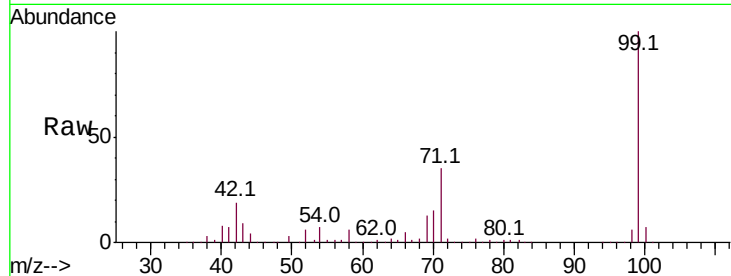
ClientSampleId :

BACKFILL-SW2

Tot Ion:	99	Resp:	689899
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	34.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

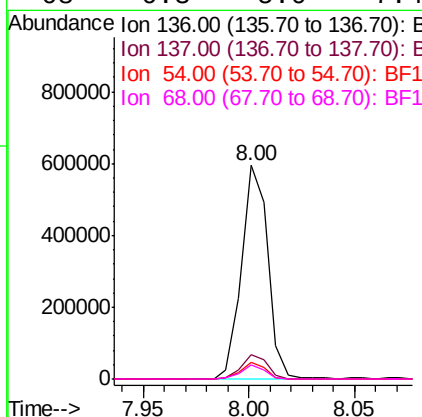
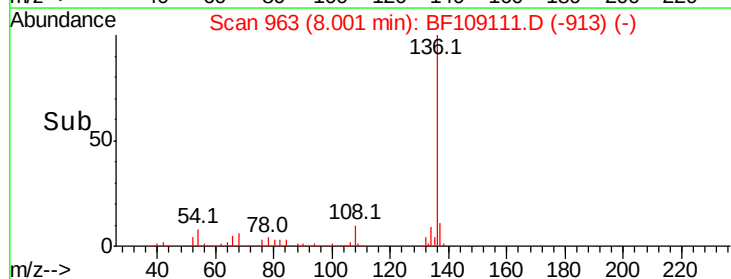
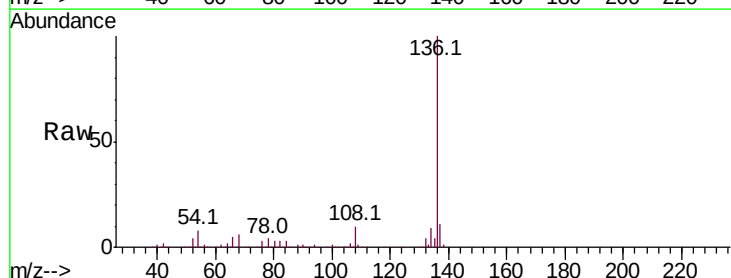
RT: 8.00 min Scan# 963

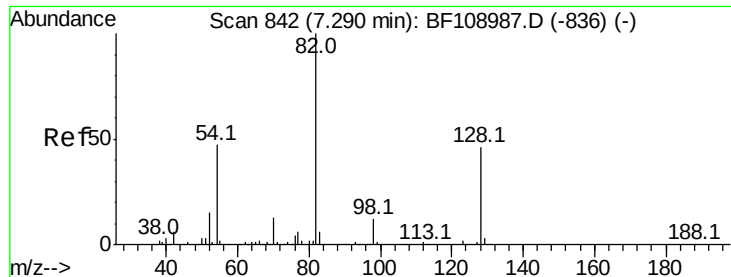
Delta R.T. -0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Tgt Ion:	136	Resp:	512962
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.8	6.6	9.8
68	6.3	5.0	7.4





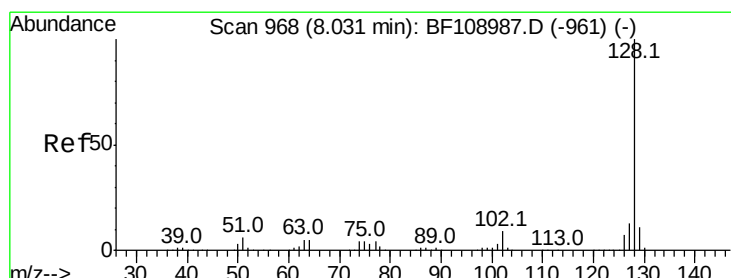
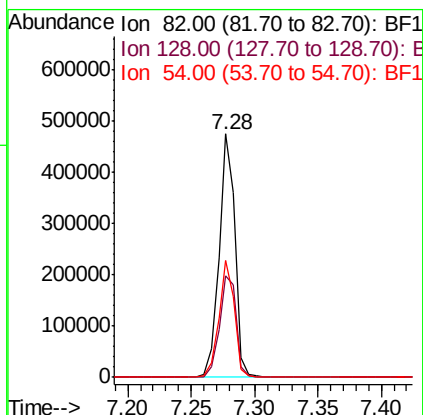
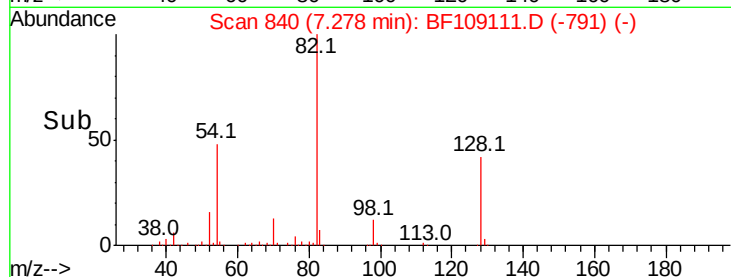
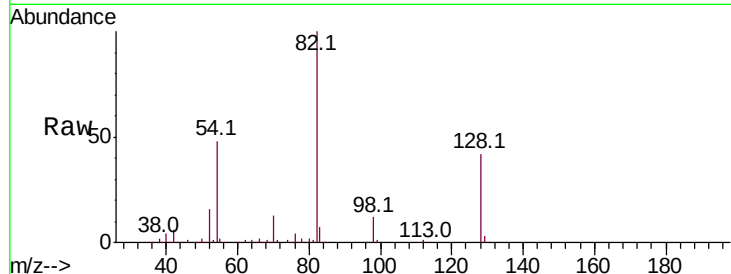
#23
Nitrobenzene-d5
Concen: 45.681 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	47.8	41.4	62.2

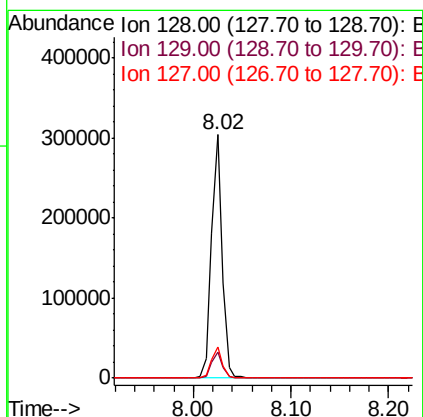
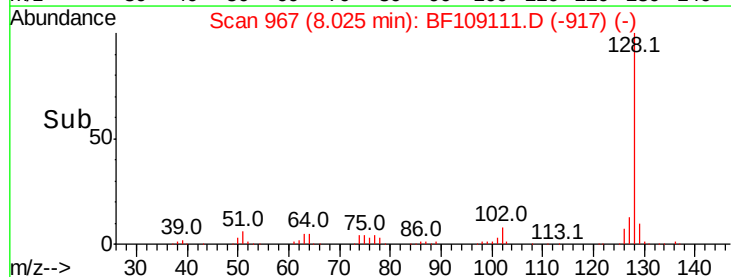
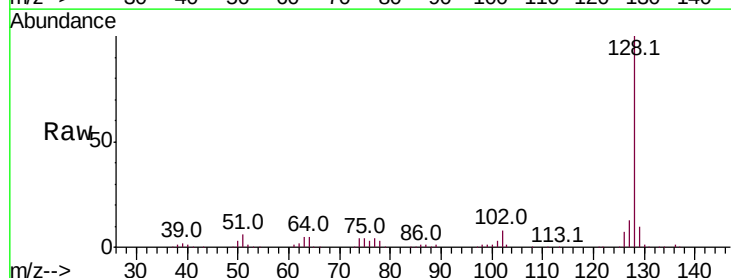
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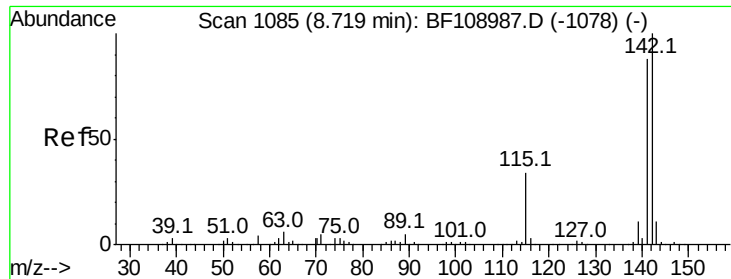
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#31
Naphthalene
Concen: 9.738 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.9	10.9	16.3





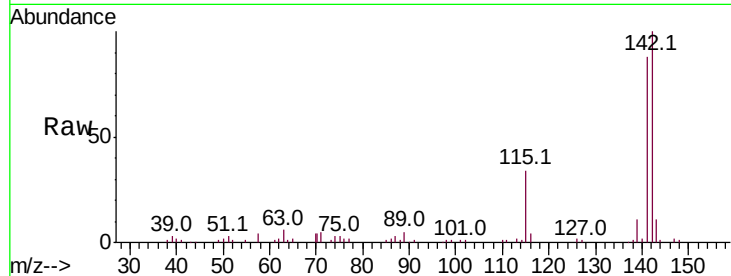
#37
2-Methylnaphthalene
Concen: 4.828 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	33.5	26.1	39.1

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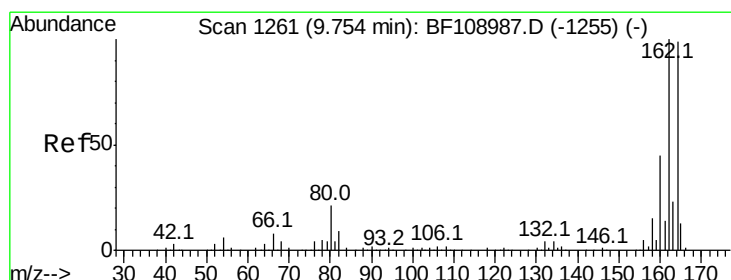
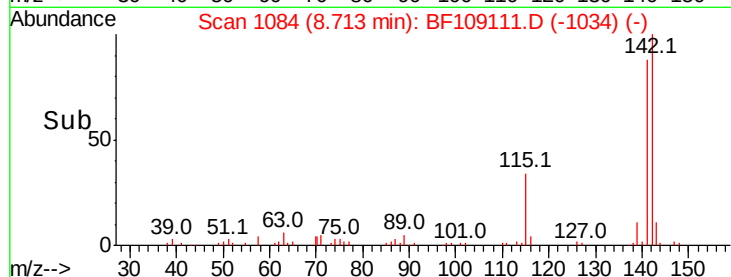
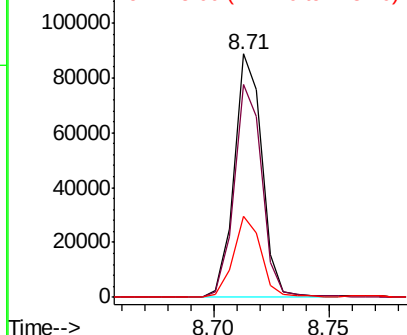


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

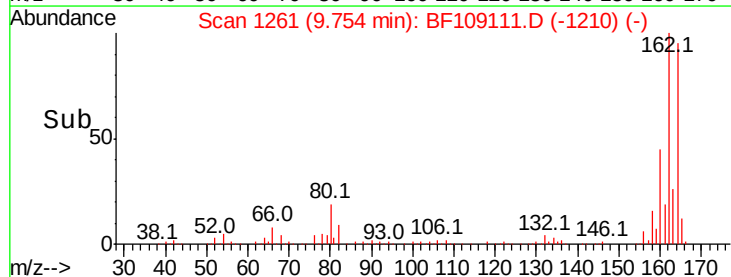
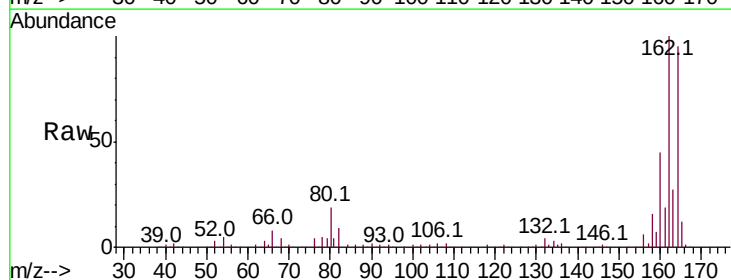
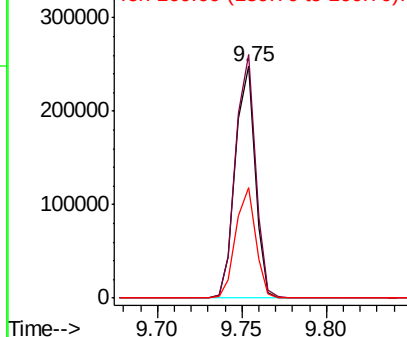
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	47.7	38.3	57.5

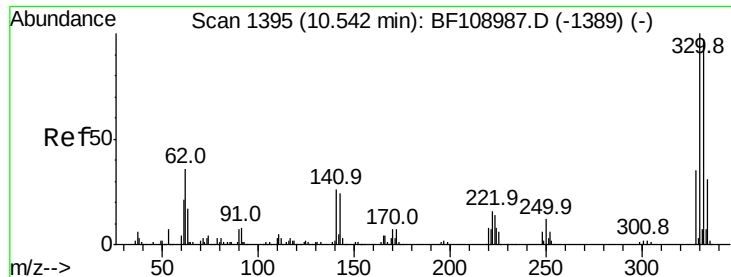
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 58.732 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Instrument :

BNA_F

ClientSampleId :

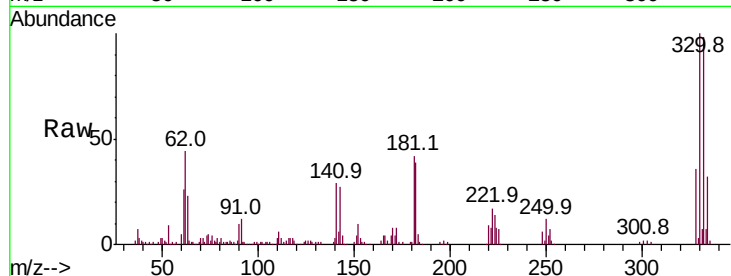
BACKFILL-SW2

Tot Ion:	330	Resp:	128729
Ion Ratio	Lower	Upper	
330	100		
332	98.5	77.0	115.6
141	34.3	29.9	44.9

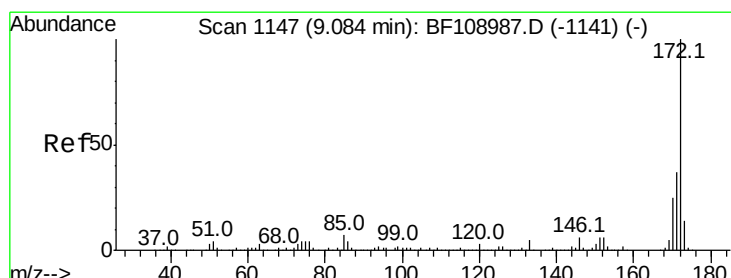
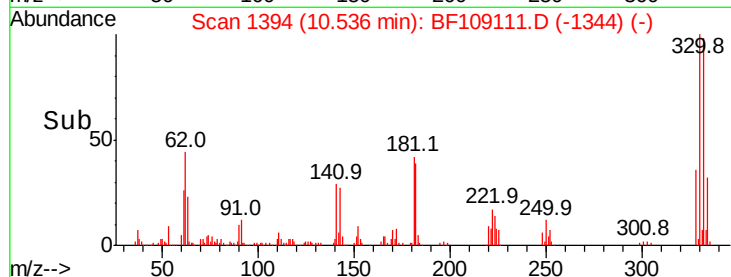
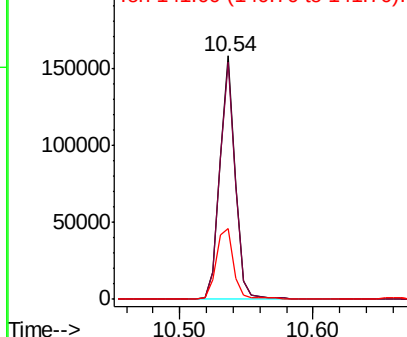
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 52.551 ng

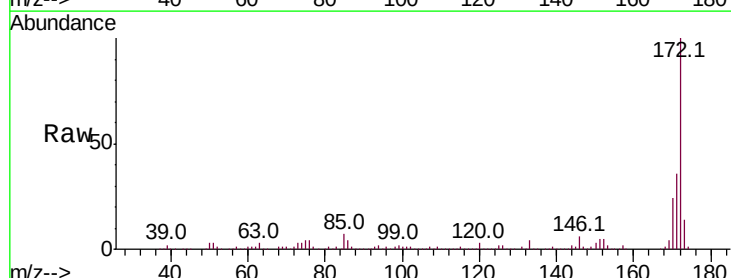
RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

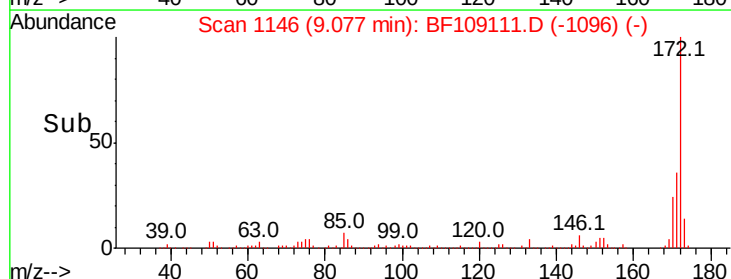
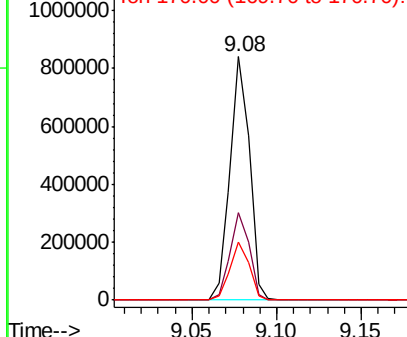
Lab File: BF109111.D

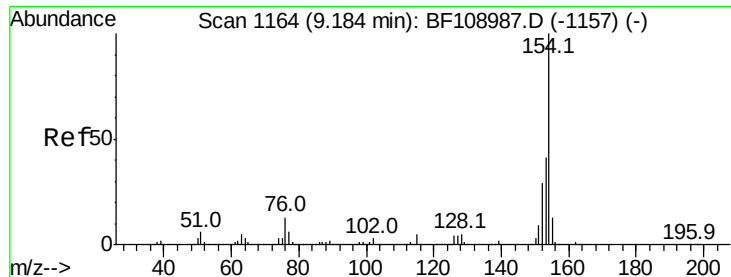
Acq: 18 Sep 2018 22:17

Tgt Ion:	172	Resp:	677405
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.358 ng

RT: 9.18 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Instrument :

BNA_F

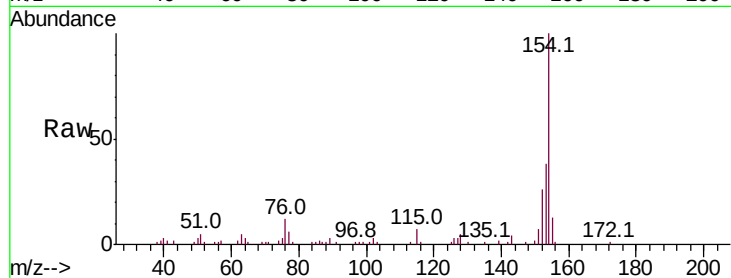
ClientSampleId :

BACKFILL-SW2

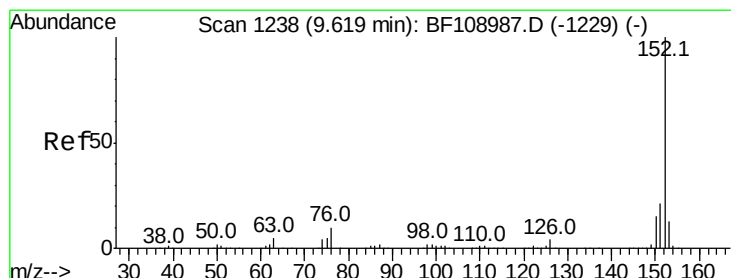
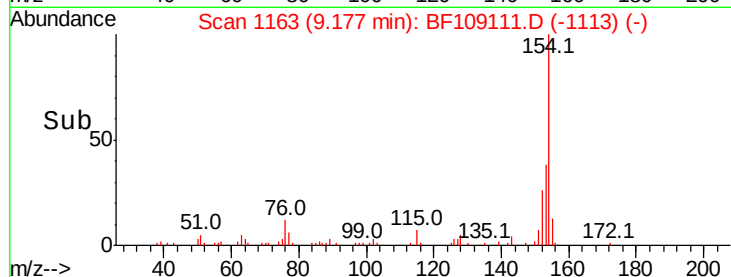
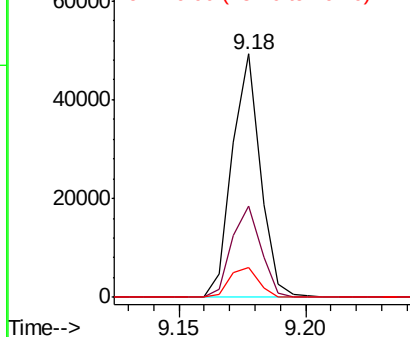
Tot Ion:	154	Resp:	38093
Ion Ratio	Lower	Upper	
154	100		
153	37.8	21.3	61.3
76	12.4	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 2.216 ng

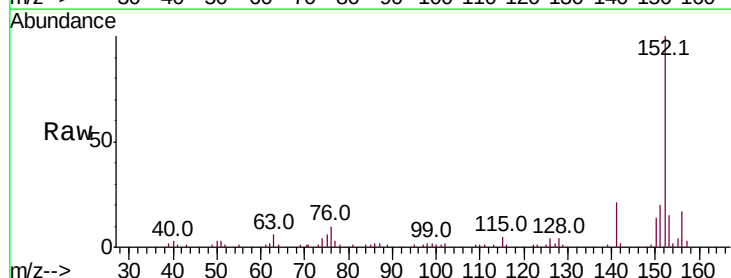
RT: 9.61 min Scan# 1237

Delta R.T. -0.01 min

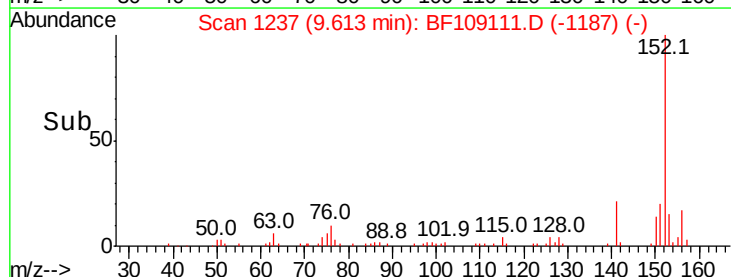
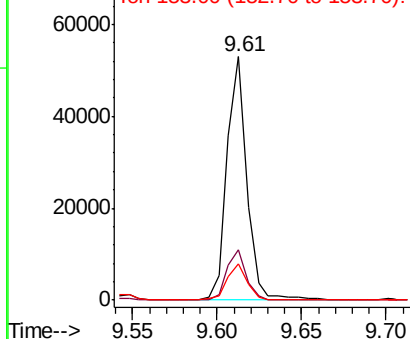
Lab File: BF109111.D

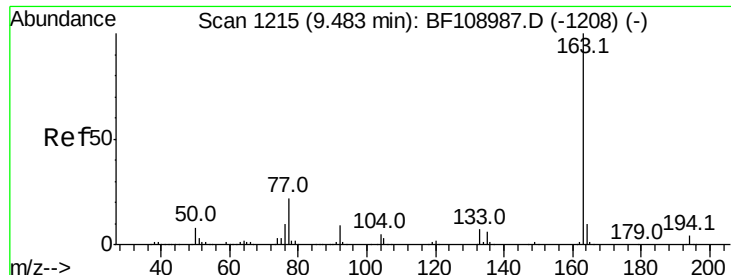
Acq: 18 Sep 2018 22:17

Tgt Ion:	152	Resp:	43226
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	15.1	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 6.444 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Instrument :

BNA_F

ClientSampleId :

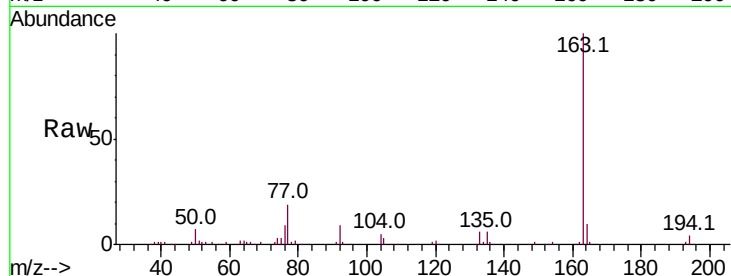
BACKFILL-SW2

Tot Ion:	163	Resp:	93018
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	9.5	8.2	12.2

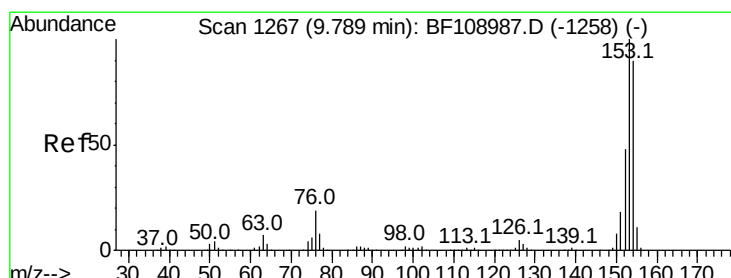
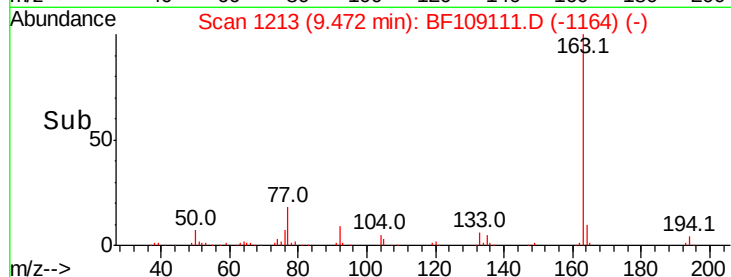
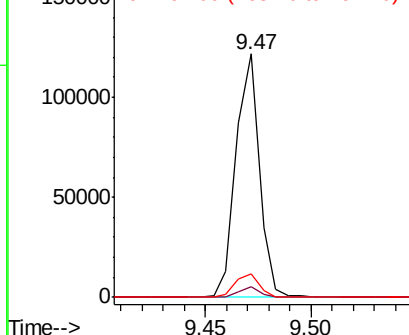
Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 12.172 ng

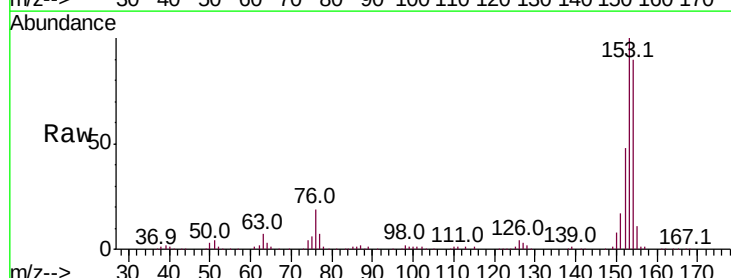
RT: 9.78 min Scan# 1266

Delta R.T. -0.01 min

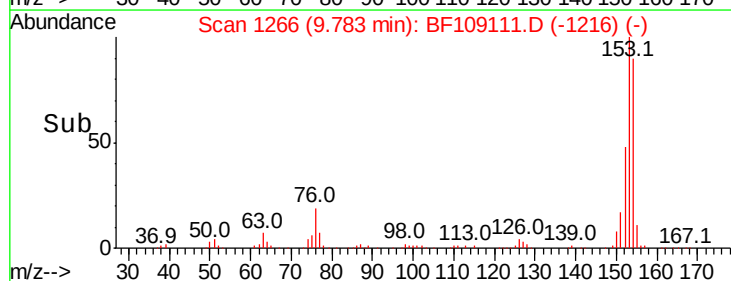
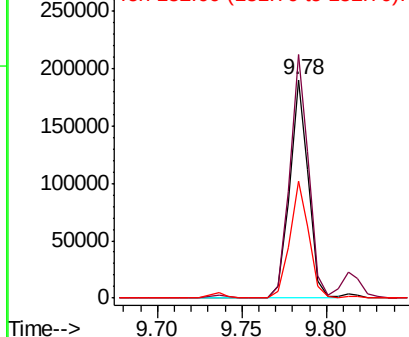
Lab File: BF109111.D

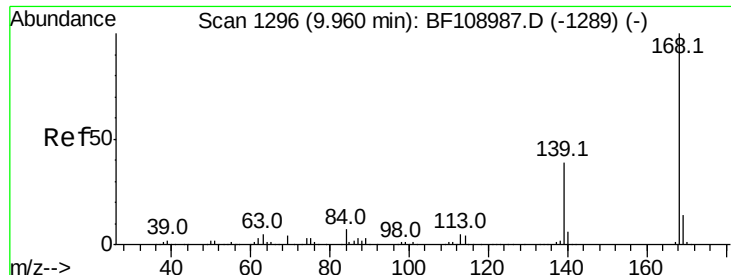
Acq: 18 Sep 2018 22:17

Tgt Ion:	154	Resp:	147878
Ion Ratio	Lower	Upper	
154	100		
153	111.4	91.2	136.8
152	53.8	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





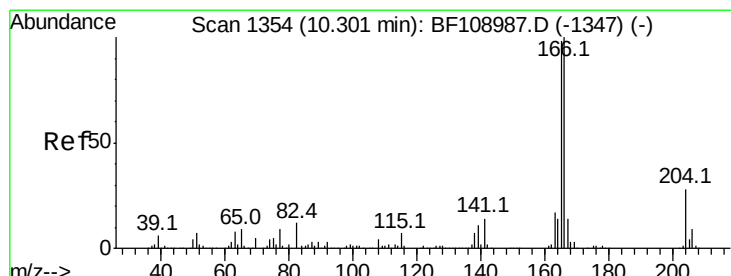
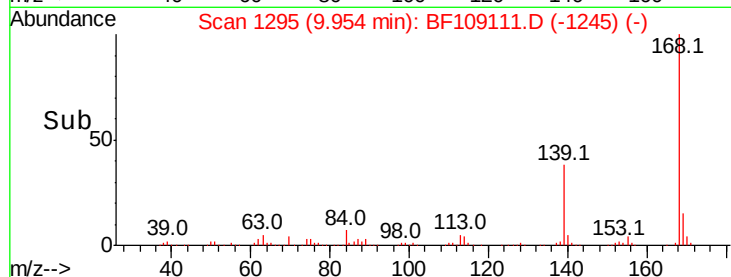
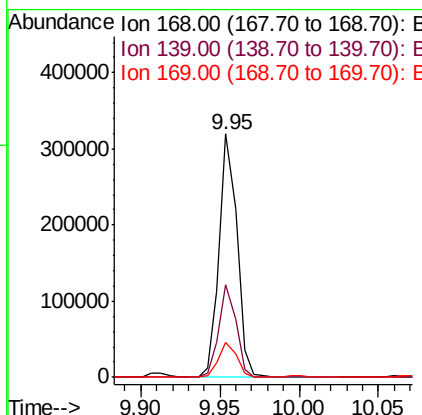
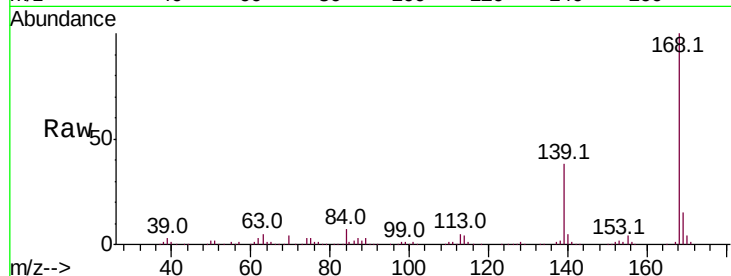
#54
Dibenzenofuran
Concen: 14.343 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Resp	Lower	Upper
168	100	251803		
139	38.2		30.1	45.1
169	14.5		10.9	16.3

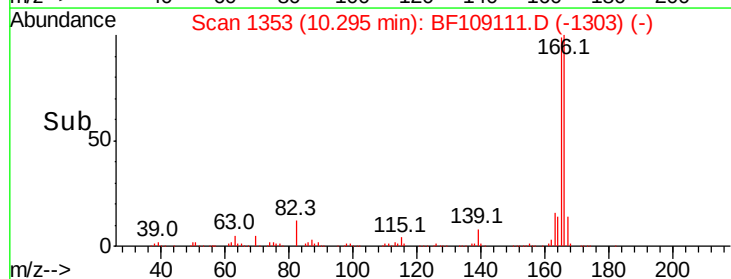
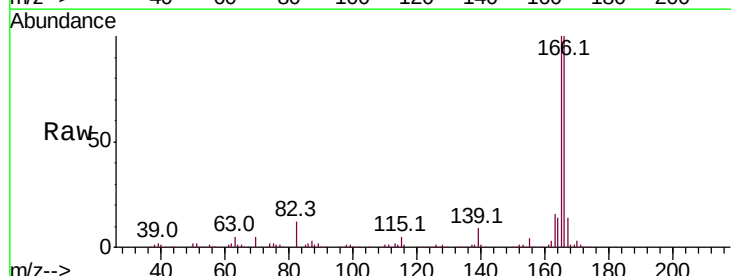
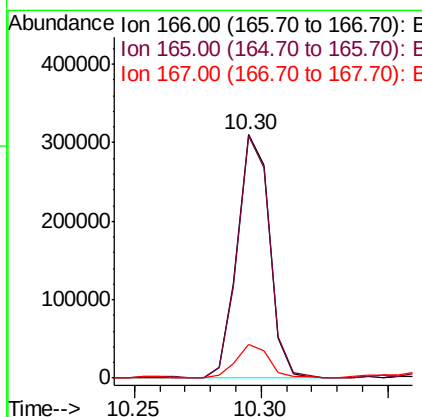
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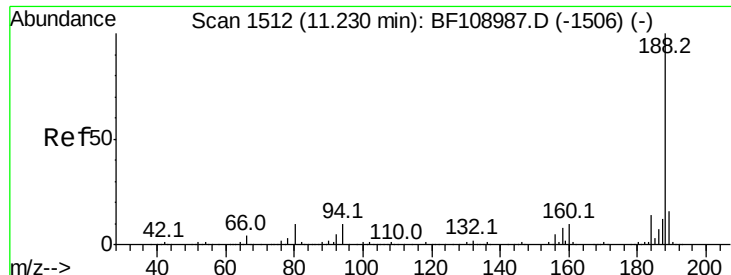
Sohil
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#57
Fluorene
Concen: 23.187 ng
RT: 10.30 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	271264		
165	99.5		79.8	119.8
167	13.8		10.6	16.0





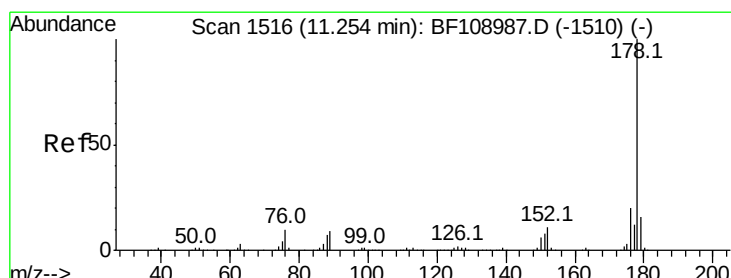
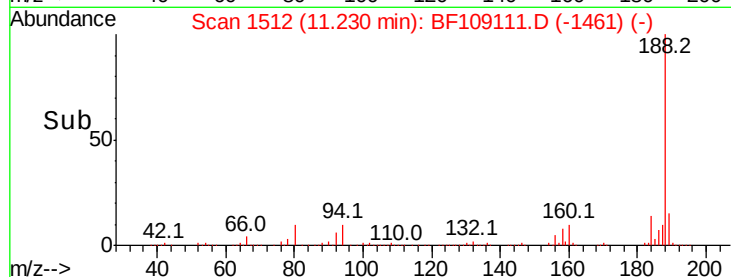
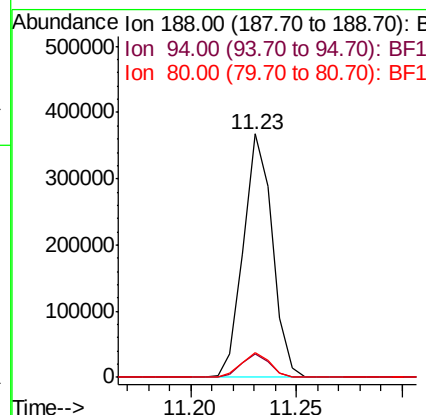
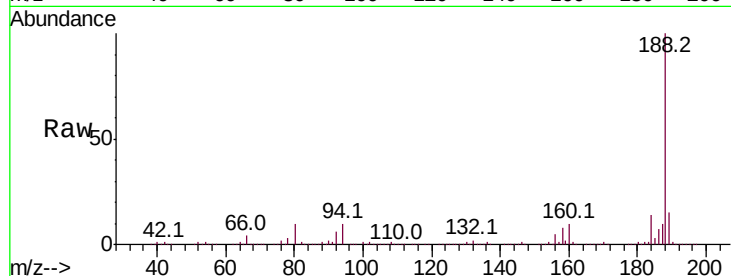
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	348346		
94	9.8		8.5	12.7
80	10.1		9.2	13.8

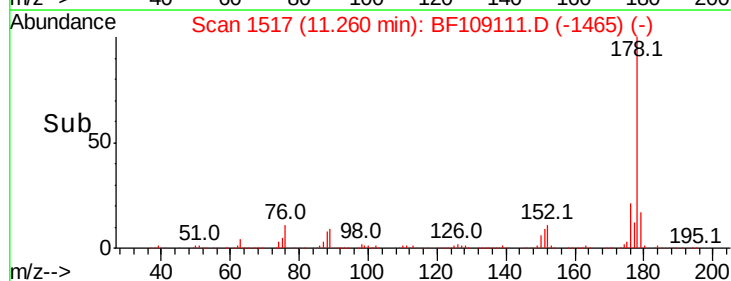
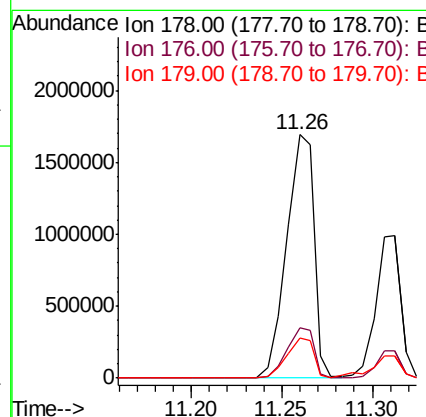
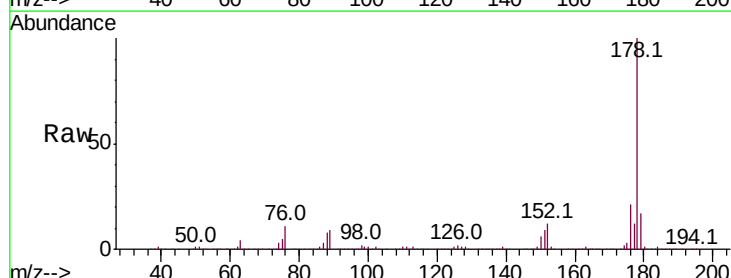
Manual Integrations
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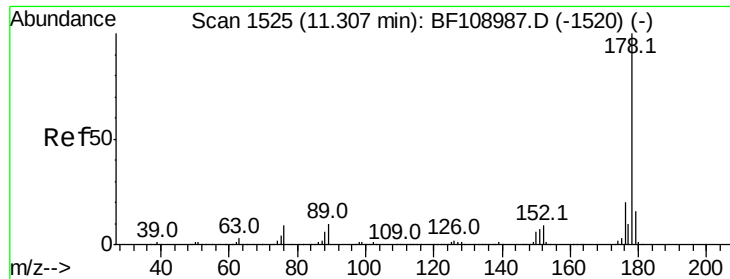
Sohil
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#70
Phenanthrene
Concen: 104.846 ng
RT: 11.26 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1790345		
176	20.9		15.8	23.8
179	16.7		13.0	19.6





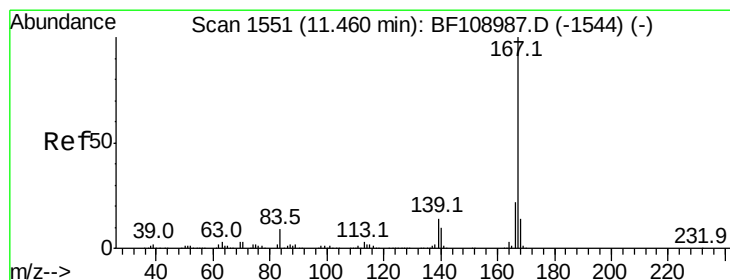
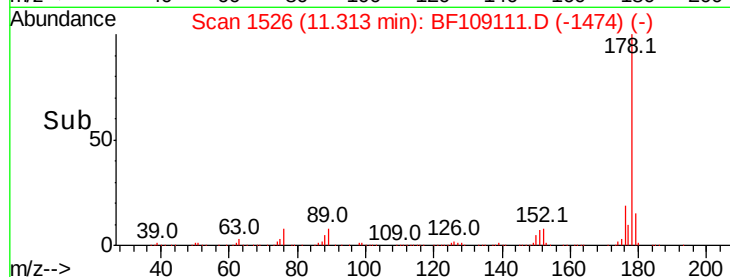
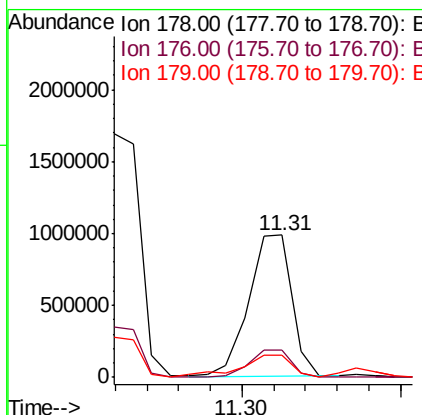
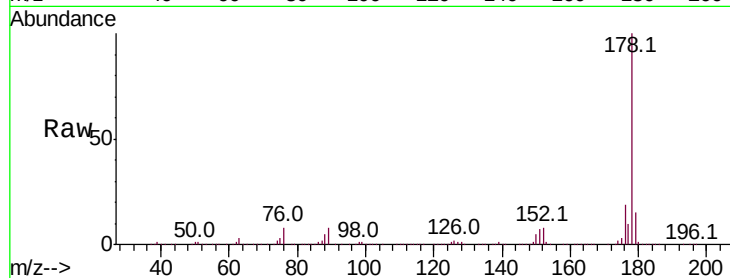
#71
 Anthracene
 Concen: 53.196 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. 0.01 min
 Lab File: BF109111.D
 Acq: 18 Sep 2018 22:17

Instrument :
 BNA_F
 ClientSampleId :
 BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.6	19.0

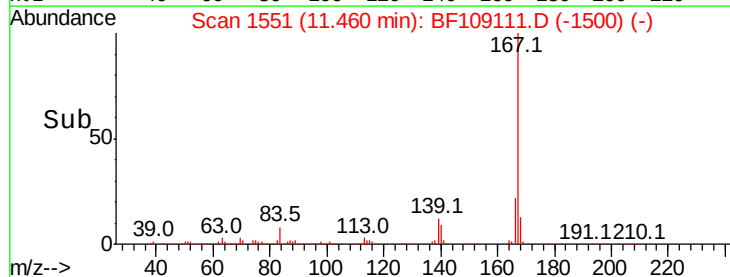
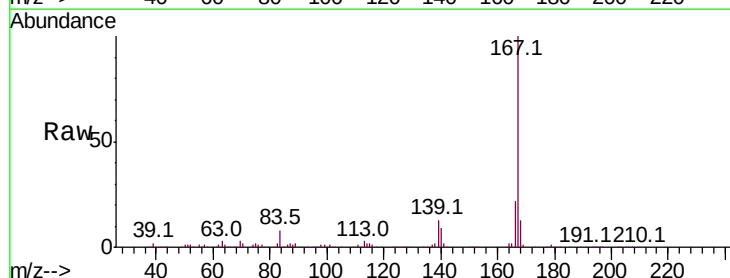
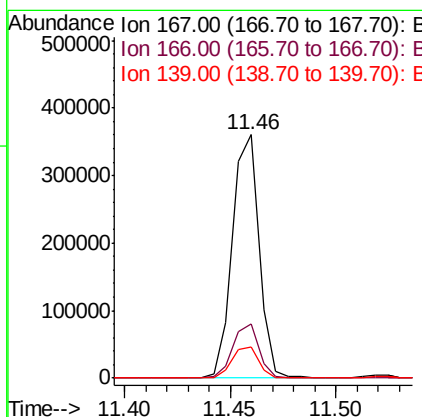
Manual Integrations
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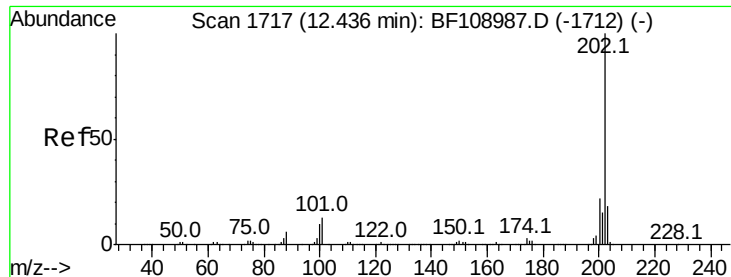
Sohil
 9/19/2018 4:23:54 PM



#72
 Carbazole
 Concen: 18.337 ng
 RT: 11.46 min Scan# 1551
 Delta R.T. -0.00 min
 Lab File: BF109111.D
 Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 92.841 ng

RT: 12.45 min Scan# 1719

Delta R.T. 0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Instrument :

BNA_F

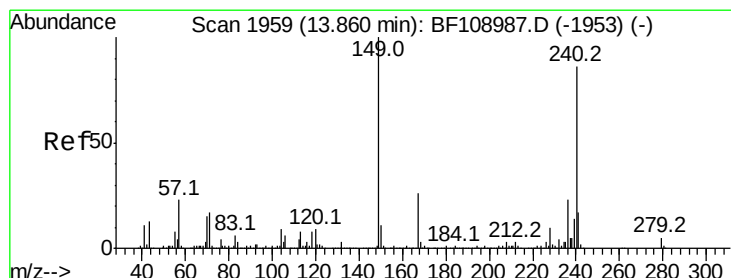
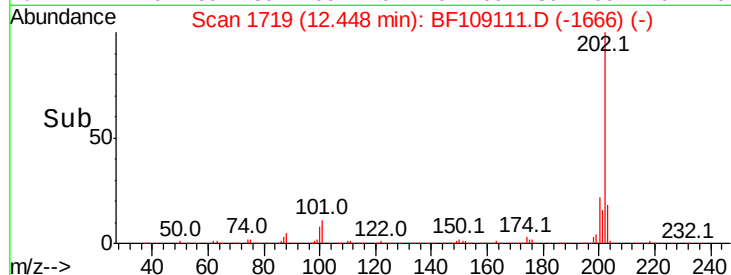
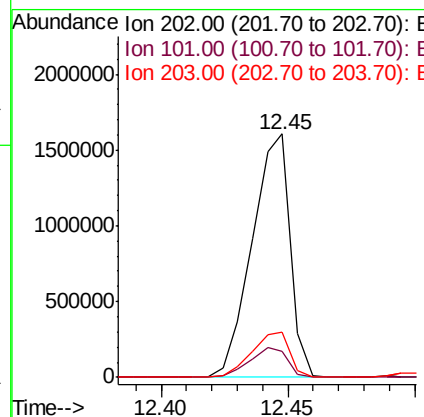
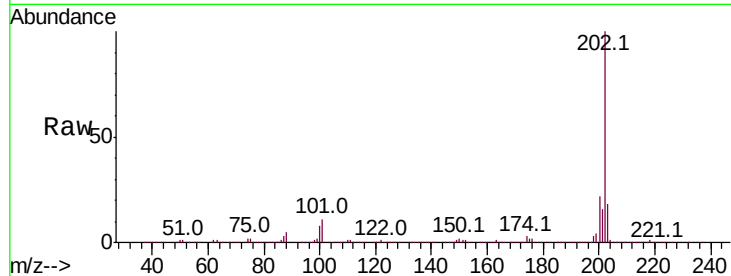
ClientSampleId :

BACKFILL-SW2

Tot Ion:	202	Resp:	1673662
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	18.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

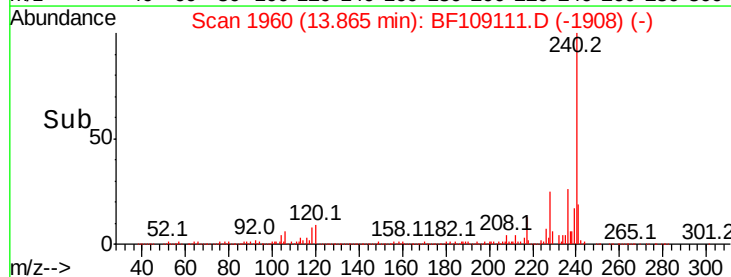
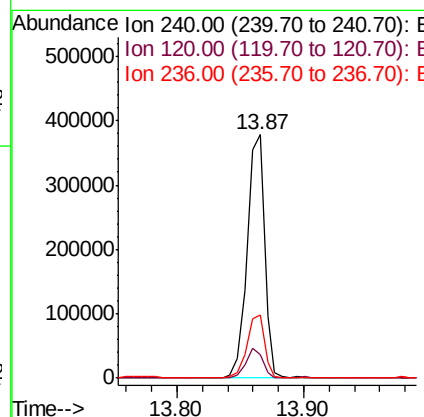
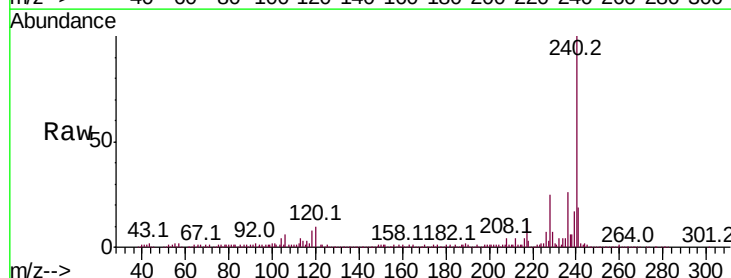
RT: 13.87 min Scan# 1960

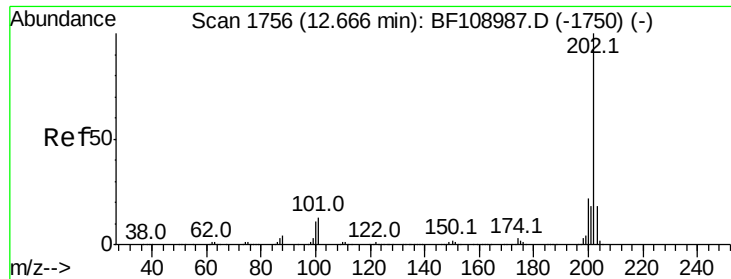
Delta R.T. 0.01 min

Lab File: BF109111.D

Acq: 18 Sep 2018 22:17

Tgt Ion:	240	Resp:	359147
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	25.7	20.7	31.1





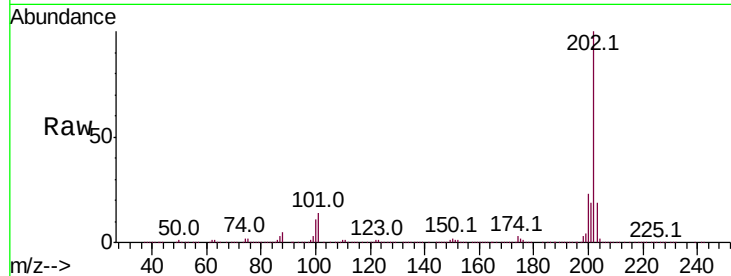
#77
Pvrene
Concen: 56.521 ng
RT: 12.67 min Scan# 1757
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	18.6	14.3	21.5

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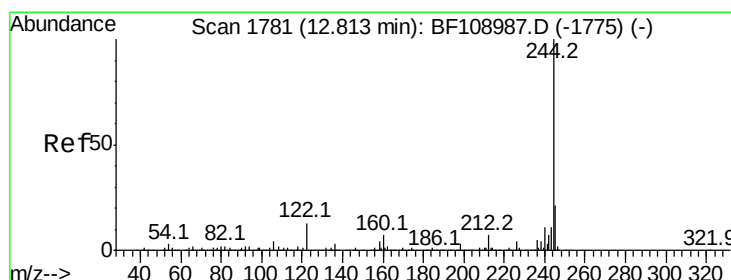
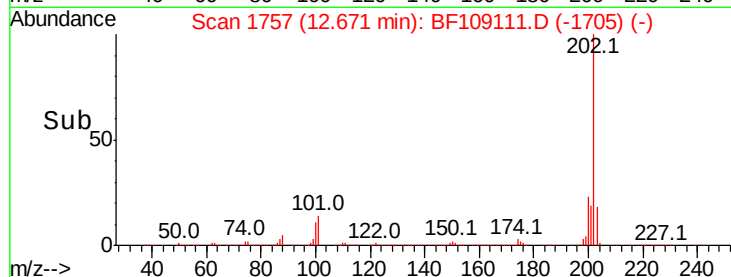
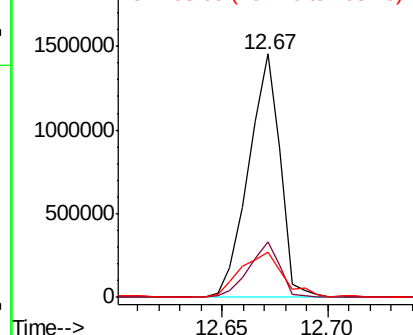


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 40.002 ng
RT: 12.81 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

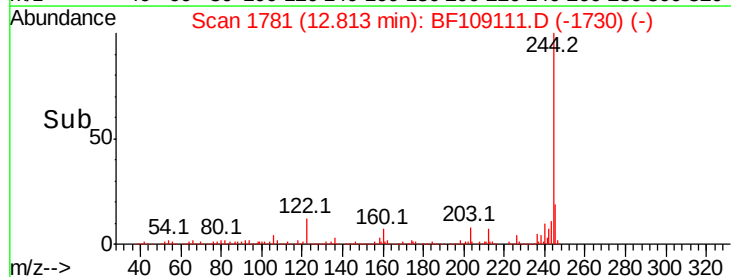
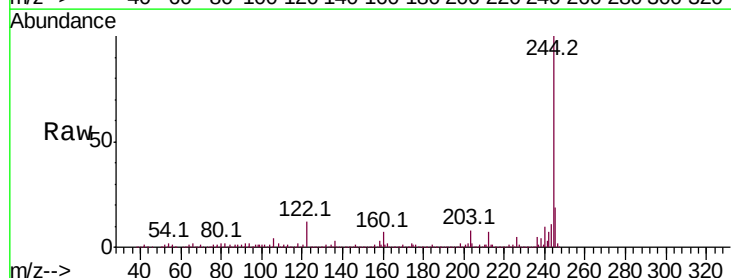
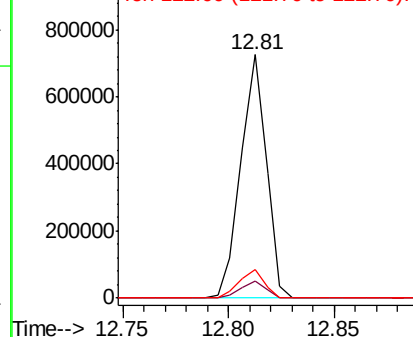
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.7	11.0	16.4

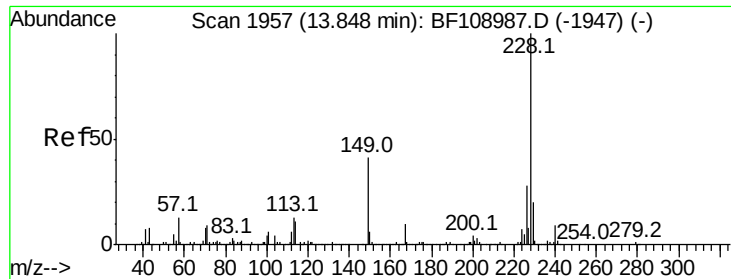
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





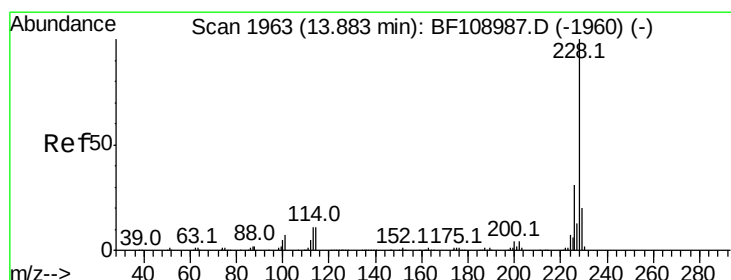
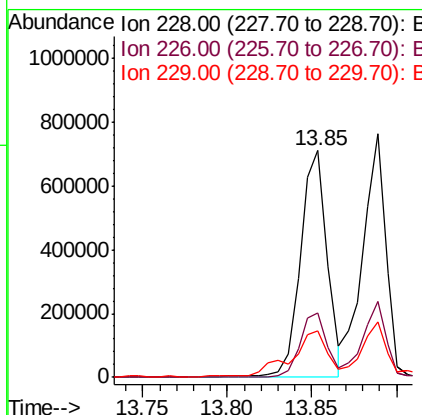
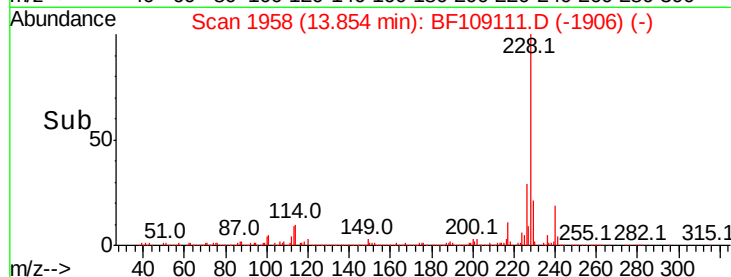
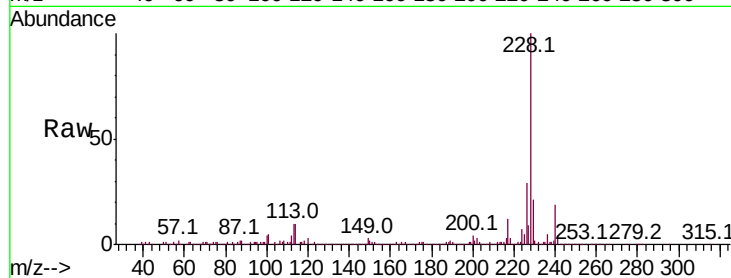
#80
Benzo(a)anthracene
Concen: 35.720 ng
RT: 13.85 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.8	15.8	23.6

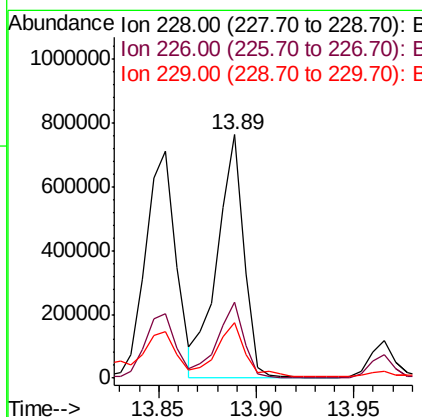
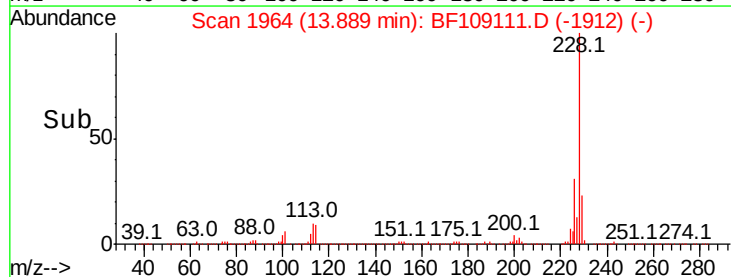
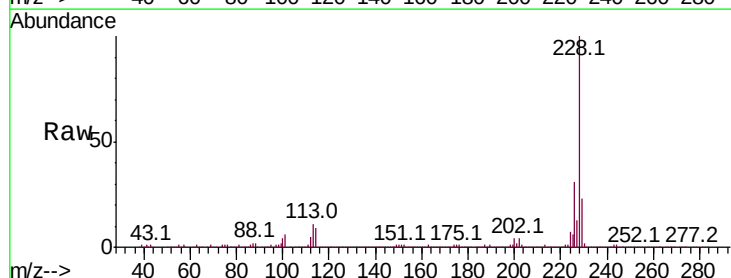
Manual Integrations
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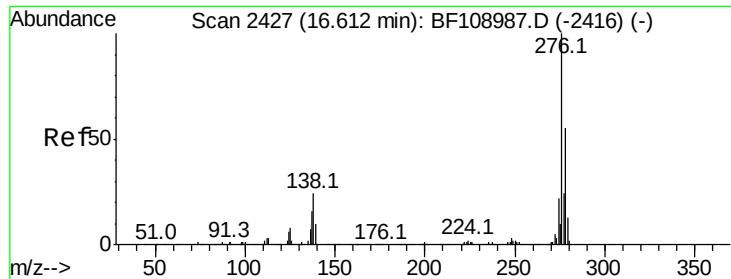
Sohil
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#82
Chrysene
Concen: 33.141 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.8	16.2	24.4





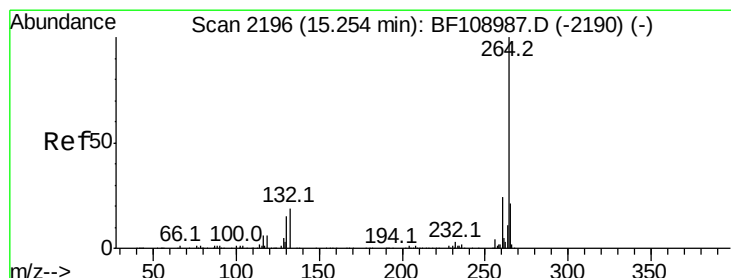
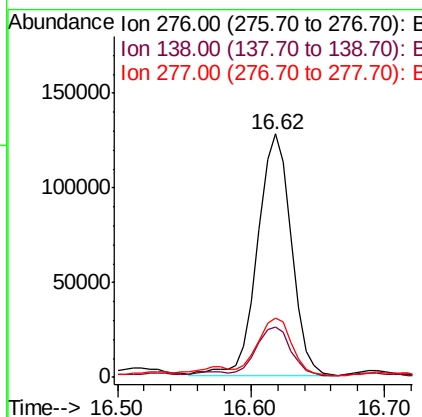
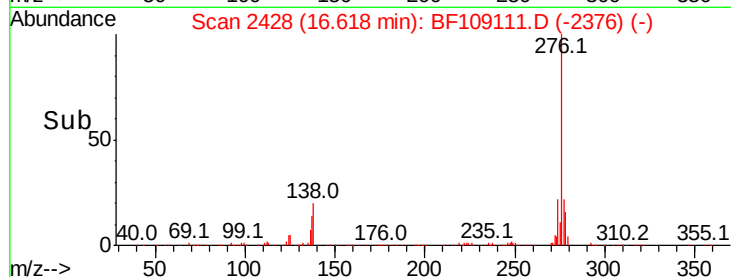
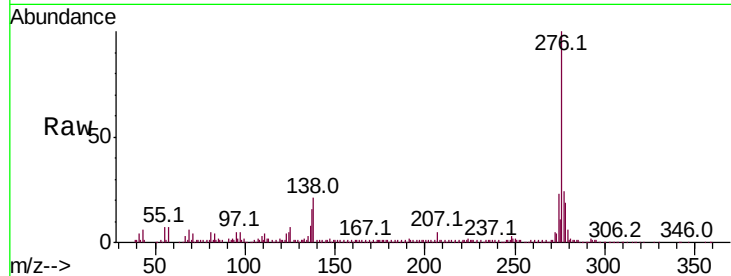
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.897 ng
RT: 16.62 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	25.0	37.6#
277	24.5	20.1	30.1

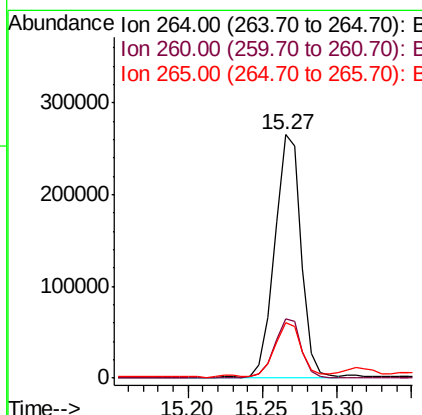
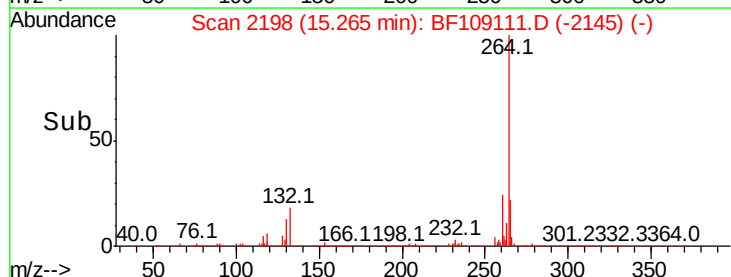
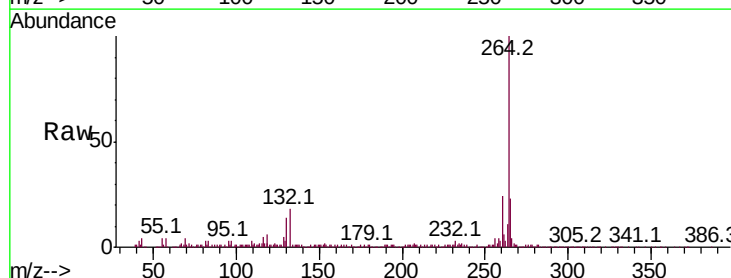
Manual Integrations
APPROVED

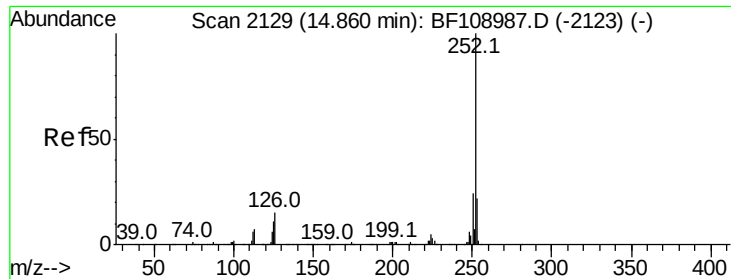
Sohil
9/19/2018 4:23:54 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	17.5	26.3





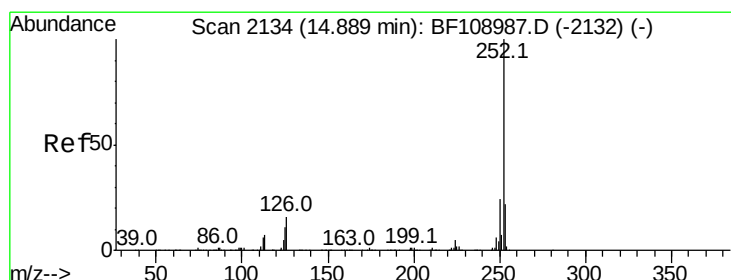
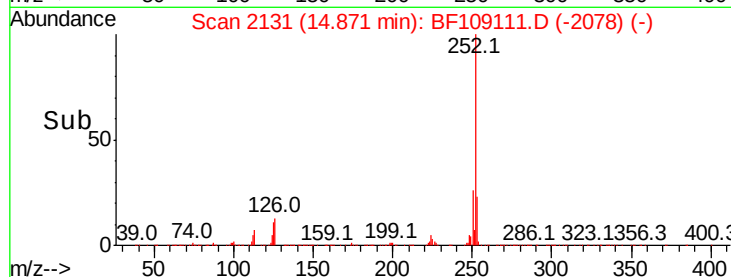
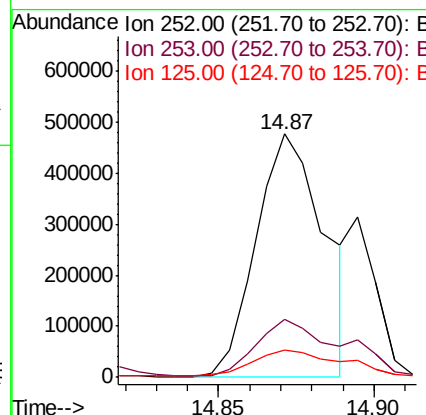
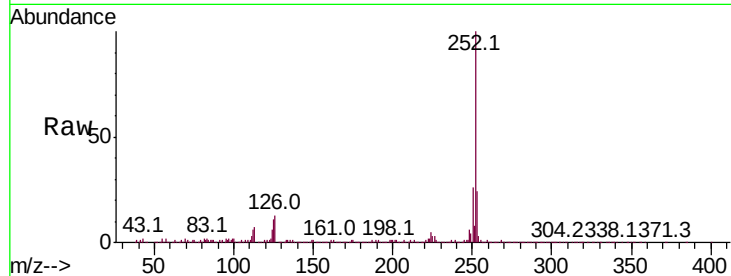
#87
Benzo(b)fluoranthene
Concen: 40.383 ng m
RT: 14.87 min Scan# 2131
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.5	9.0	13.6

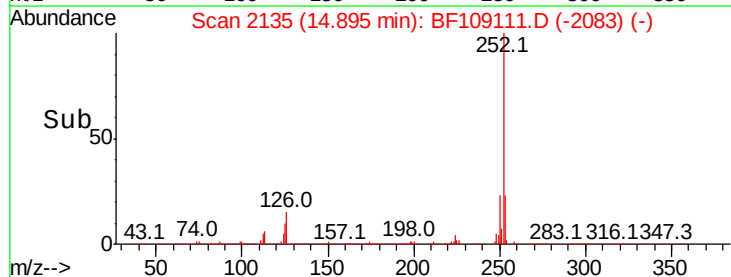
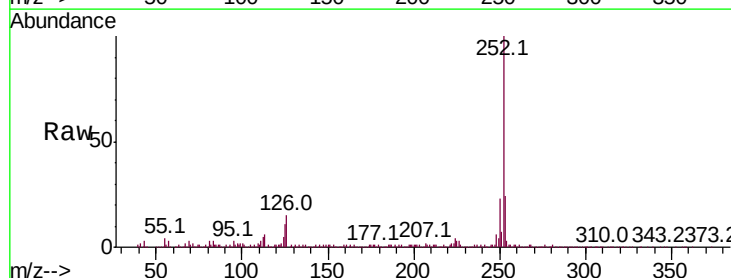
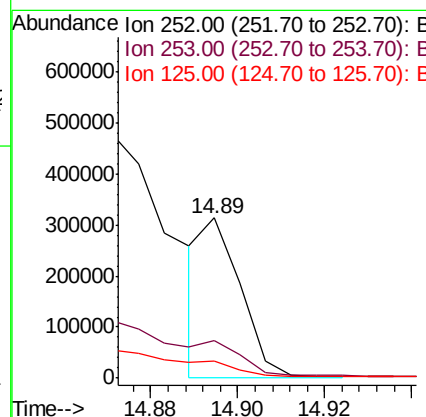
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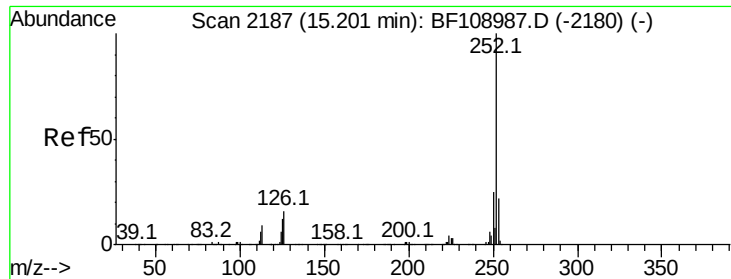
Sohil
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#88
Benzo(k)fluoranthene
Concen: 11.293 ng m
RT: 14.89 min Scan# 2135
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.8	10.2	15.2





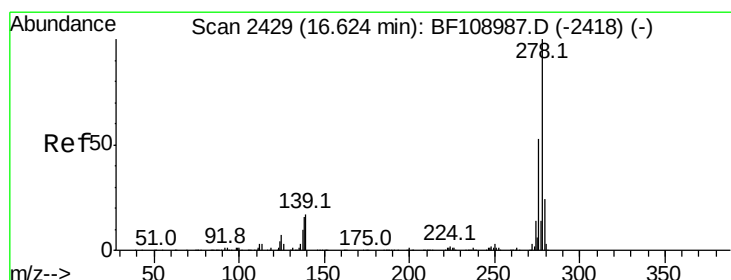
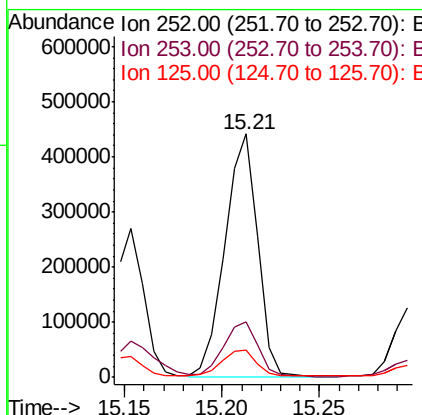
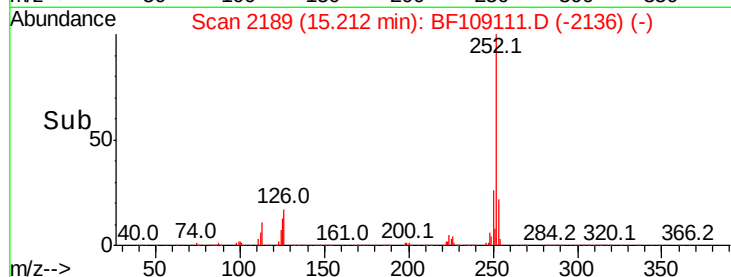
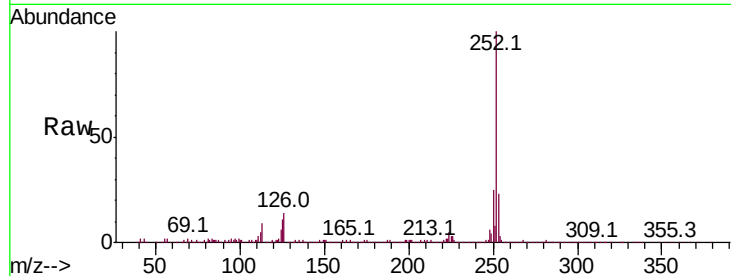
#89
Benzo(a)pyrene
Concen: 31.704 ng
RT: 15.21 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Instrument :
BNA_F
ClientSampleId :
BACKFILL-SW2

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.0	17.1	25.7	
125	11.2	9.8	14.6	

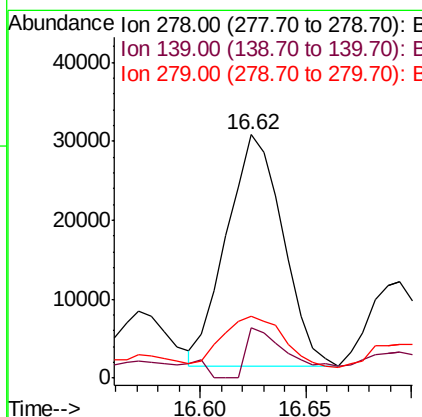
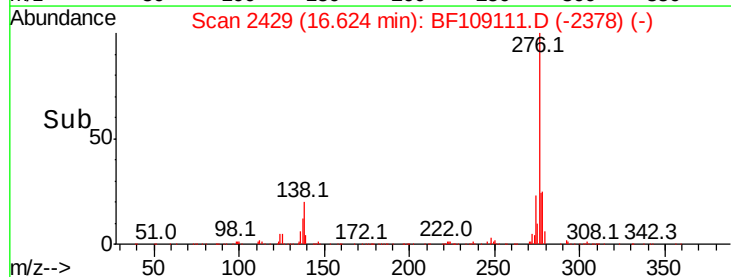
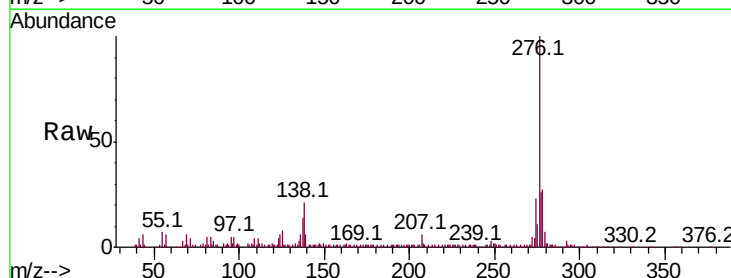
Manual Integrations
APPROVED

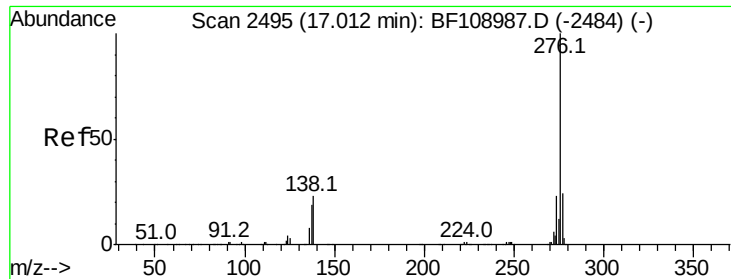
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.032 ng
RT: 16.62 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BF109111.D
Acq: 18 Sep 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	20.7	15.9	23.9	
279	25.6	19.0	28.4	





#91
 Benzo(a,h,i)perylene
 Concen: 14.542 ng
 RT: 17.02 min Scan# 2497
 Delta R.T. 0.01 min
 Lab File: BF109111.D
 Acq: 18 Sep 2018 22:17

Instrument :
 BNA_F
 ClientSampleId :
 BACKFILL-SW2

Tot Ion:	276	Resp:	196103
Ion Ratio	Lower	Upper	
276	100		
277	24.8	17.9	26.9
138	22.1	21.8	32.8

Manual Integrations
 APPROVED

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