

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111468.D
 Acq On : 15 Dec 2018 15:03
 Operator : JU/SJ
 Sample : J6316-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

Manual Integrations
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Quant Time: Dec 16 01:15:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	174585	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	698822	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	315407	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	456826	20.00	ng	0.00
76) Chrysene-d12	13.95	240	335915	20.00	ng	0.00
87) Perylene-d12	15.39	264	320703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1048971	99.98	ng	0.00
7) Phenol-d6	6.44	99	1366682	97.93	ng	0.00
23) Nitrobenzene-d5	7.35	82	833211	71.00	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	218595	77.37	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1490139	72.98	ng	0.00
79) Terphenyl-d14	12.90	244	948525	66.31	ng	0.00
Target Compounds						
10) Phenol	6.45	94	78325	5.038	ng	91
31) Naphthalene	8.10	128	205454	6.286	ng	95
37) 2-Methylnaphthalene	8.79	142	54716	2.474	ng	# 75
50) Dimethylphthalate	9.55	163	141710	6.239	ng	98
71) Phenanthrene	11.33	178	389615	16.552	ng	95
72) Anthracene	11.39	178	109239	4.538	ng	95
75) Fluoranthene	12.53	202	486998	21.148	ng	95
78) Pyrene	12.75	202	585098	24.705	ng	96
81) Benzo(a)anthracene	13.94	228	317185	17.366	ng	100
83) Chrysene	13.97	228	302004	15.696	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	139358m	10.035	ng	
88) Benzo(b)fluoranthene	14.98	252	409979m	21.927	ng	
89) Benzo(k)fluoranthene	15.00	252	97302m	5.446	ng	
90) Benzo(a)pyrene	15.33	252	334987	19.868	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	37465	2.817	ng	95
92) Benzo(g,h,i)perylene	17.23	276	137821	10.557	ng	94

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

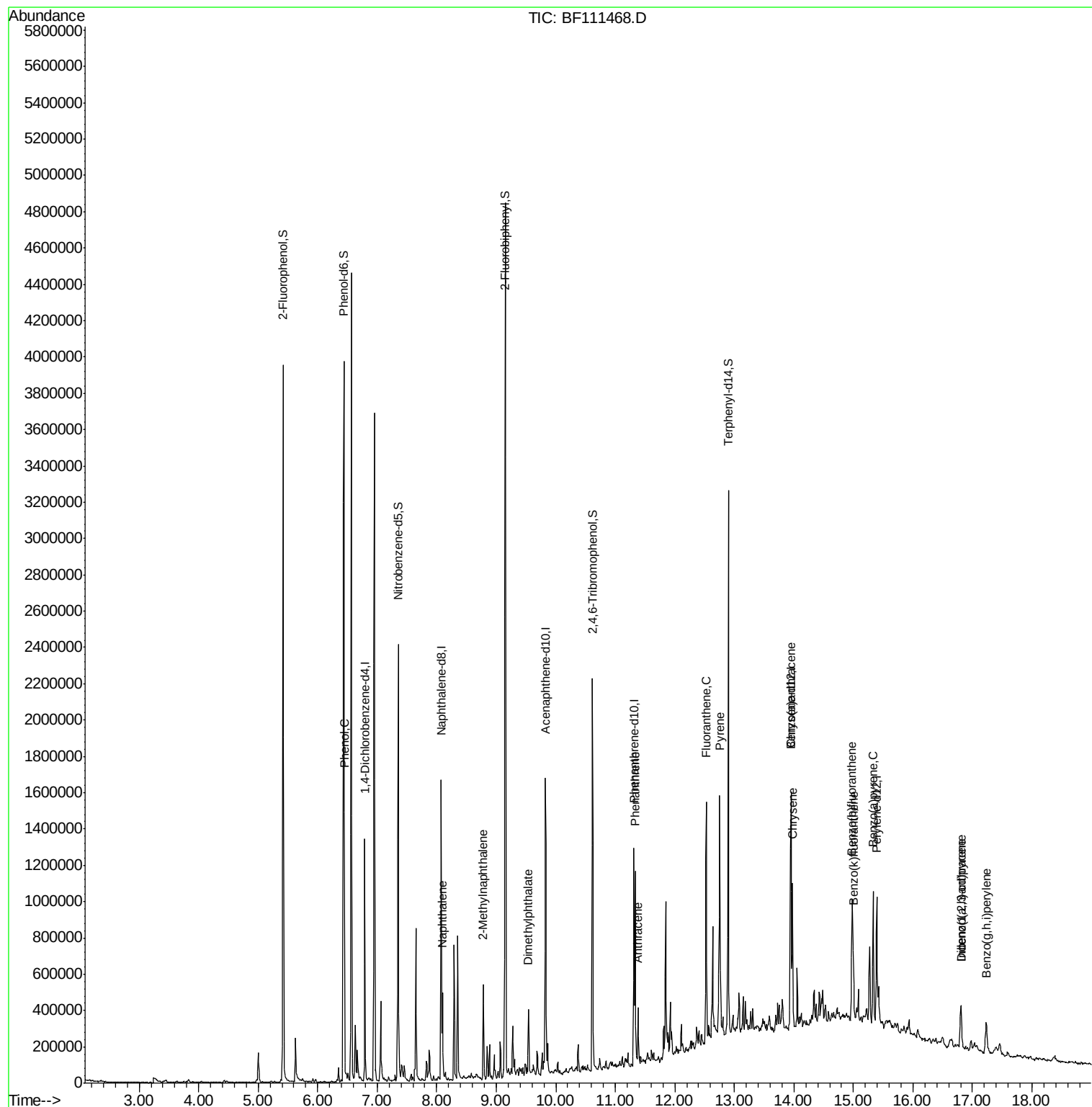
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111468.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

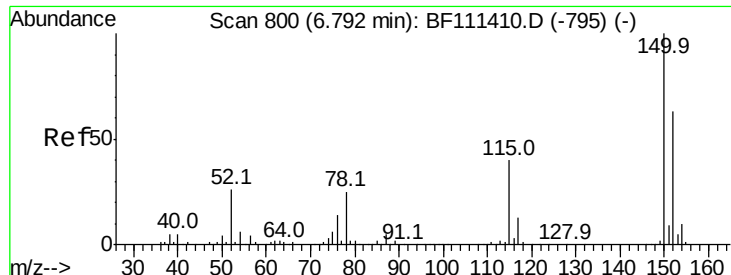
Instrument :
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BORING-SAMPLE-SIGNAL-TOWER-

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Instrument :

BNA_F

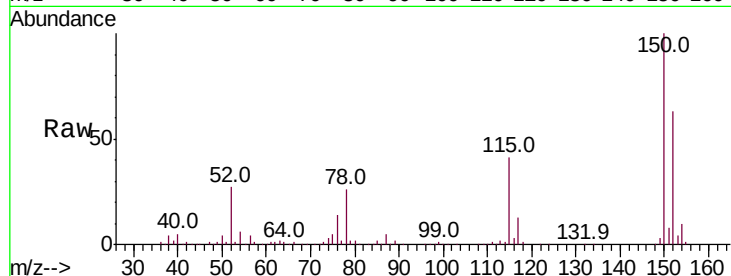
ClientSampleId :

BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion:	152	Resp:	174585
Ion Ratio	Lower	Upper	
152	100		
150	157.6	126.6	189.8
115	64.4	50.7	76.1

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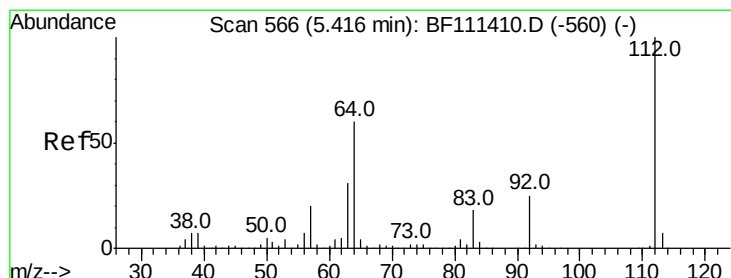
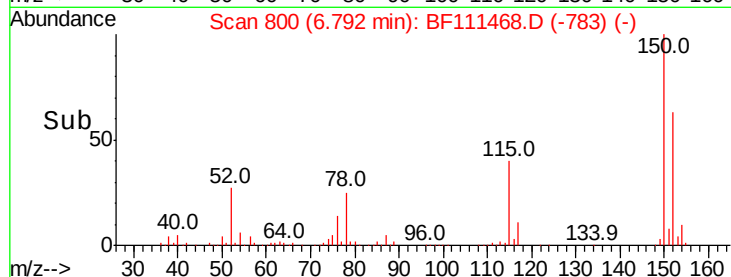
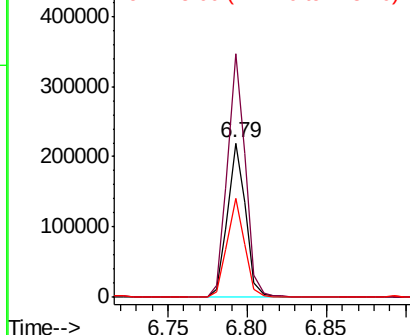


Abundance

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: 99.983 ng

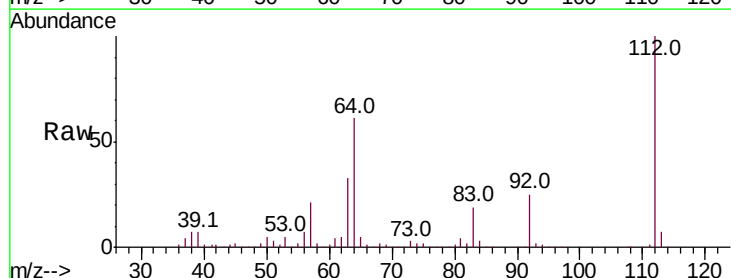
RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:	112	Resp:	1048971
Ion Ratio	Lower	Upper	
112	100		
64	61.1	51.8	77.6
63	32.5	26.8	40.2

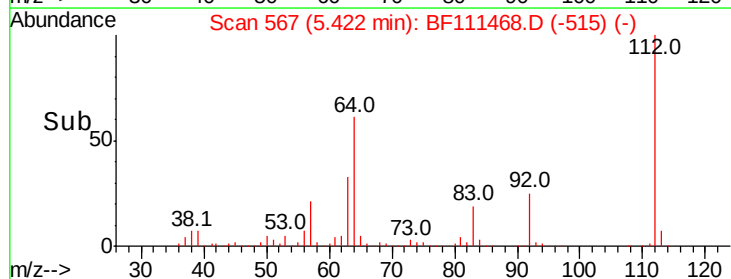
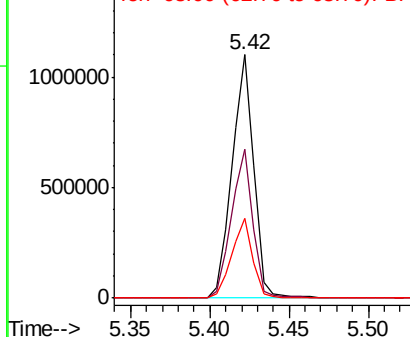


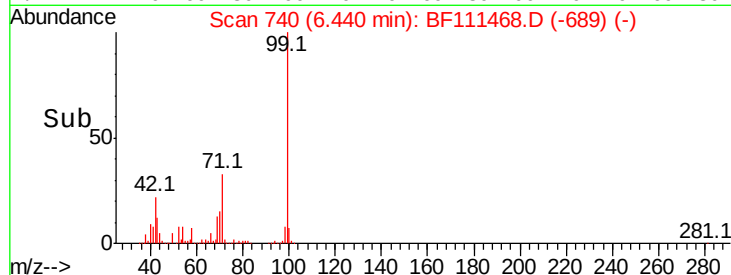
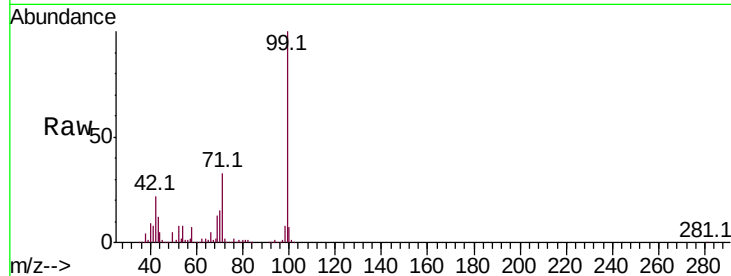
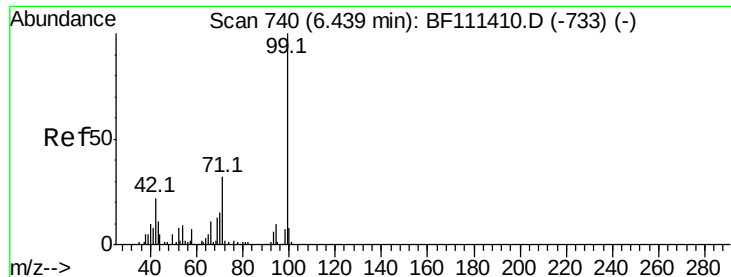
Abundance

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: 97.931 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tot Ion: 99 Resp: 1366682

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

71 32.9 26.1 39.1

Instrument :

BNA_F

ClientSampleId :

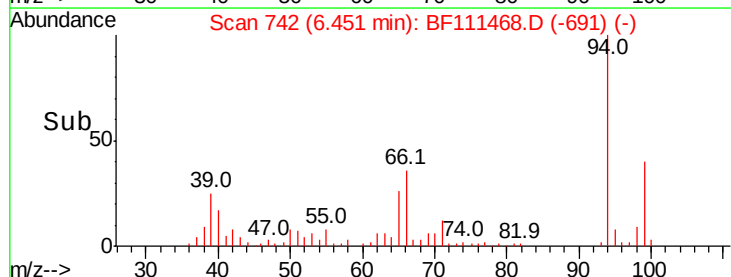
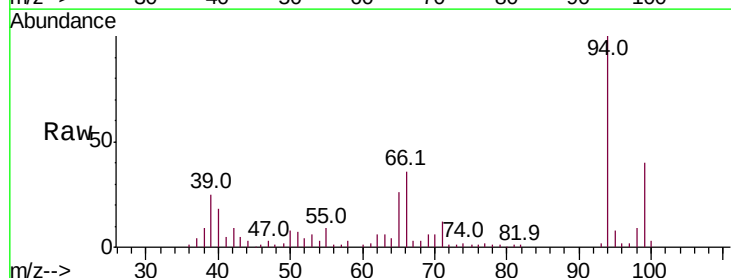
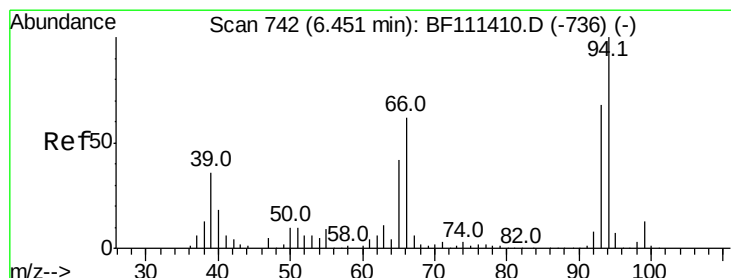
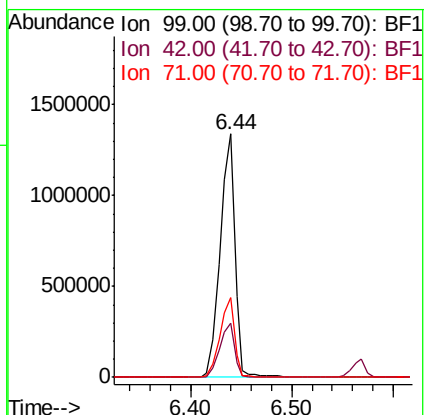
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#10

Phenol

Concen: 5.038 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

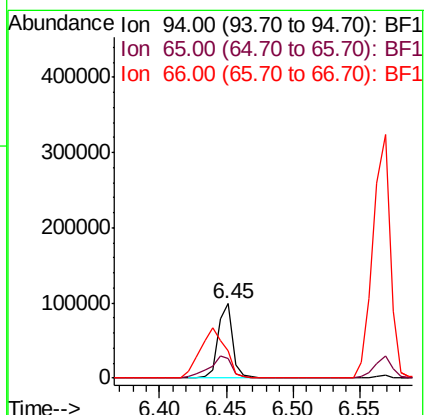
Tgt Ion: 94 Resp: 78325

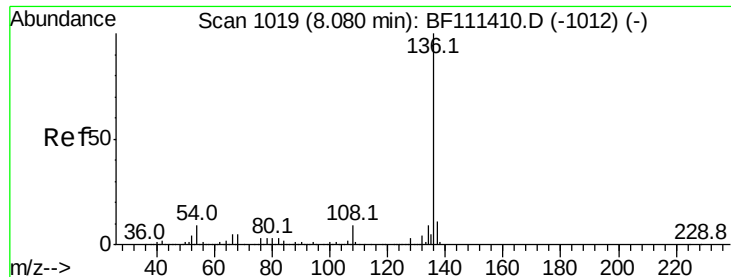
Ion Ratio Lower Upper

94 100

65 26.3 11.7 51.7

66 36.0 21.0 61.0





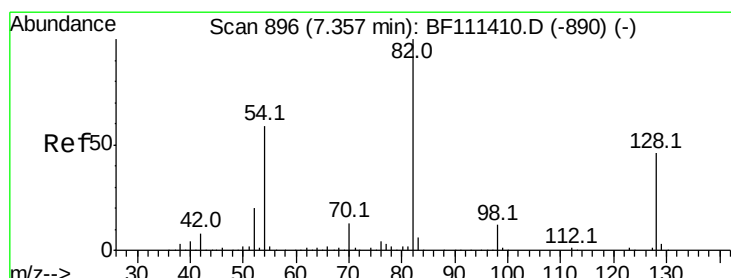
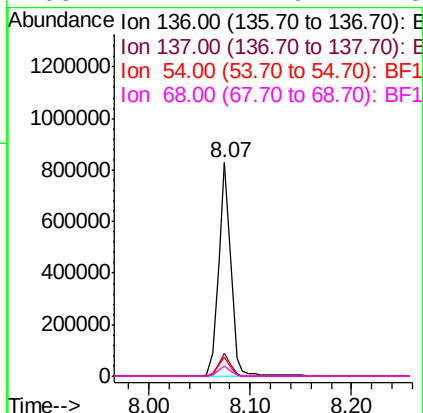
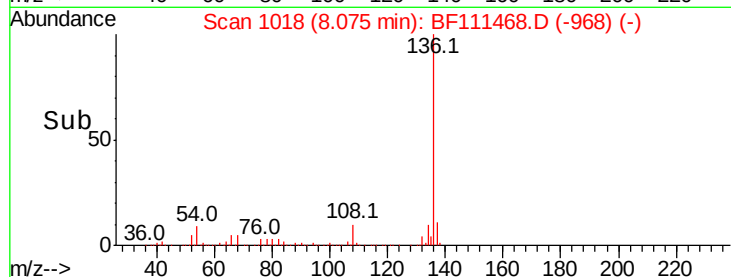
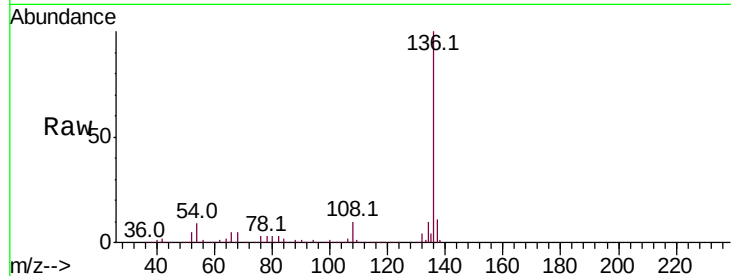
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	8.9	7.7	11.5	
68	4.7	4.9	7.3#	

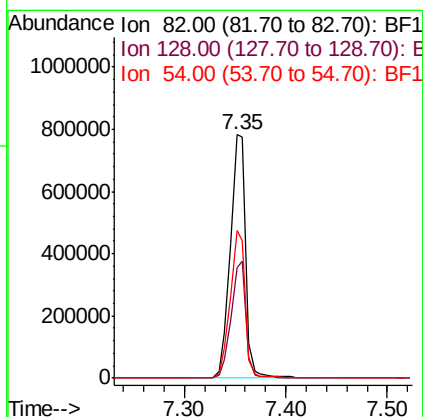
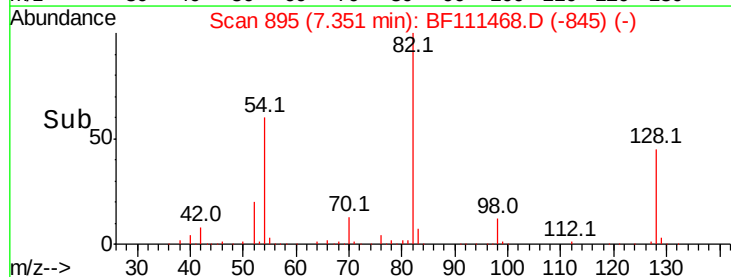
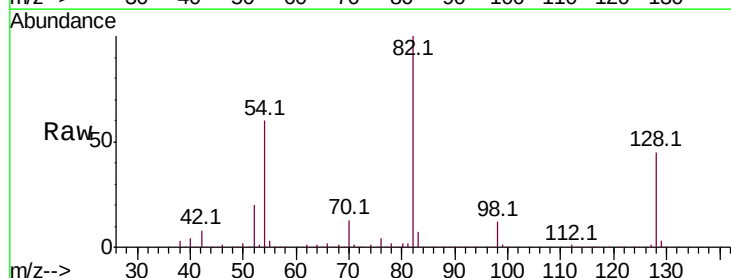
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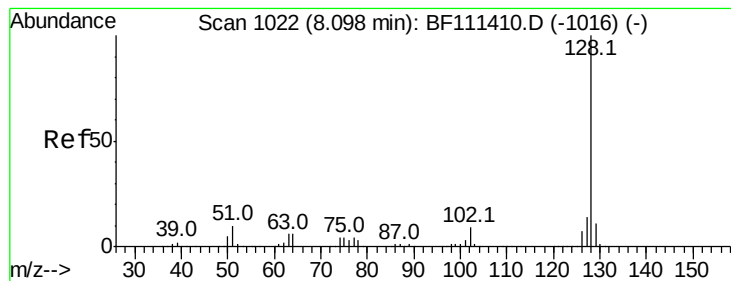
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#23
Nitrobenzene-d5
Concen: 71.000 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	37.4	56.2	
54	60.4	47.6	71.4	





#31

Naphthalene

Concen: 6.286 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Instrument :

BNA_F

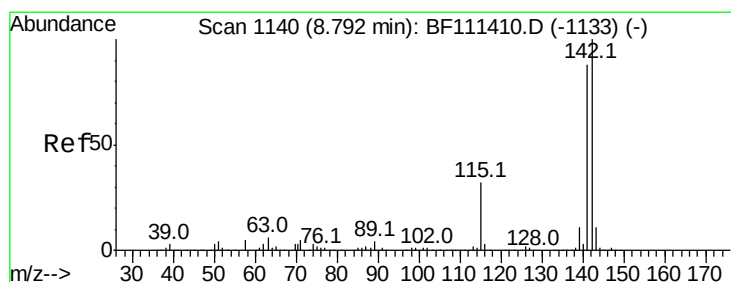
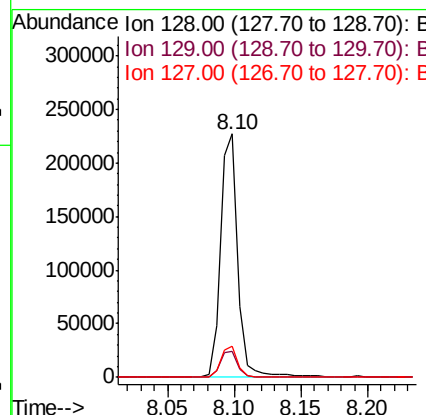
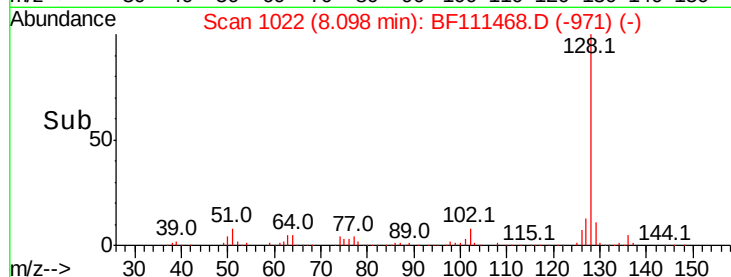
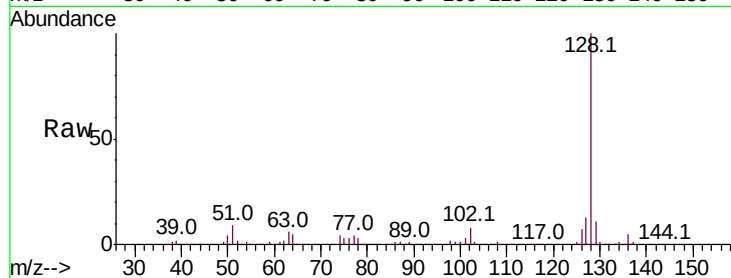
ClientSampleId :

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Tot Ion:	128	Resp:	205454
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.8	14.8
127	12.6	12.0	18.0

Manual Integrations
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#37

2-Methylnaphthalene

Concen: 2.474 ng

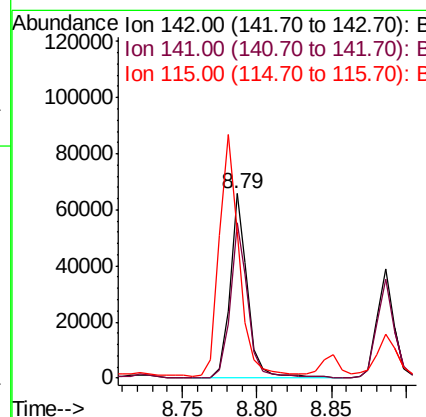
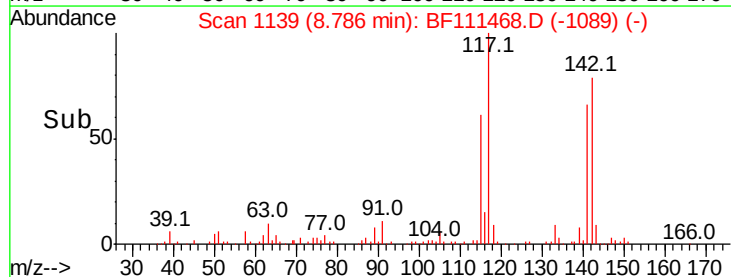
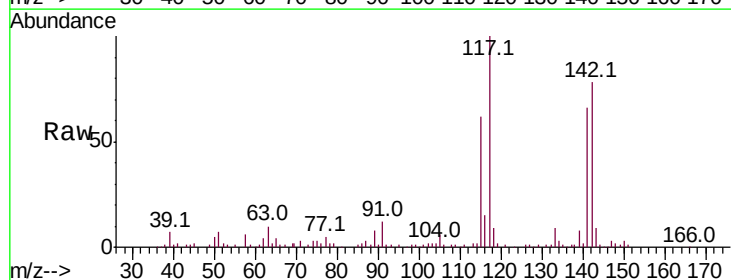
RT: 8.79 min Scan# 1139

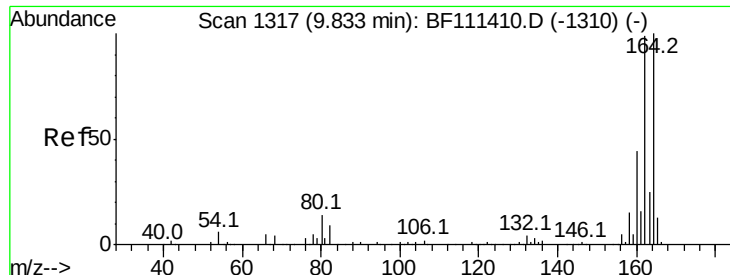
Delta R.T. -0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:	142	Resp:	54716
Ion Ratio	Lower	Upper	
142	100		
141	83.8	70.6	105.8
115	79.2	27.0	40.6#





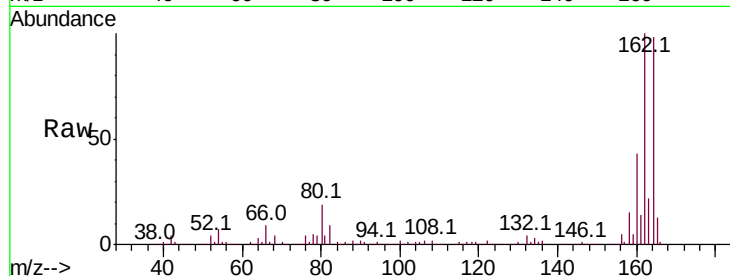
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	81.4	122.0	
160	43.7	35.7	53.5	

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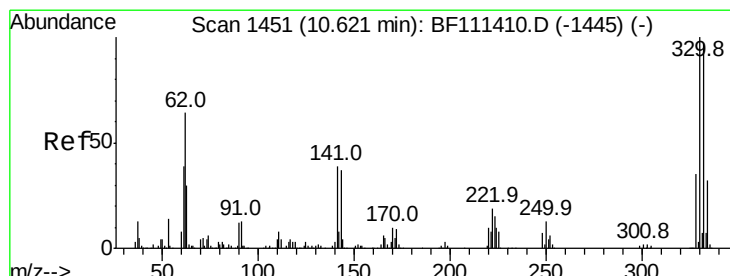
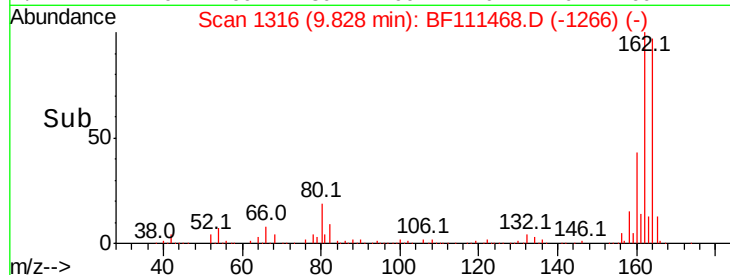
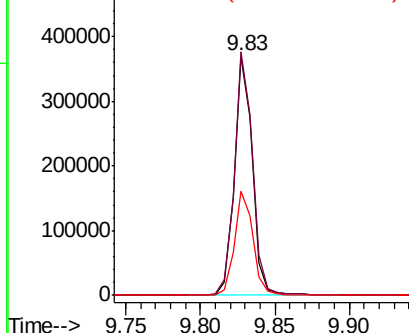


Abundance

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



#42
2,4,6-Tribromophenol
Concen: 77.368 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

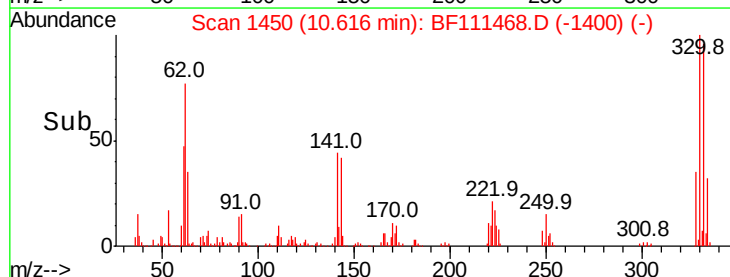
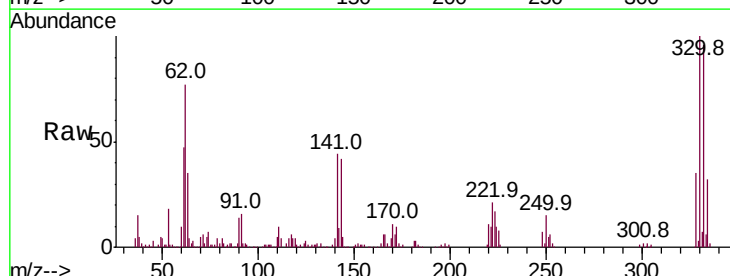
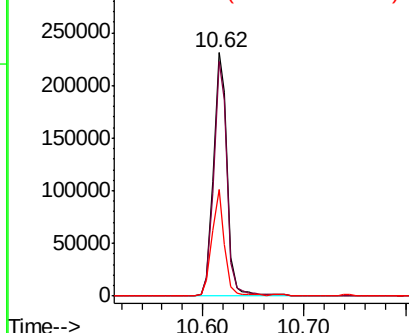
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.0	114.0	
141	39.2	31.0	46.6	

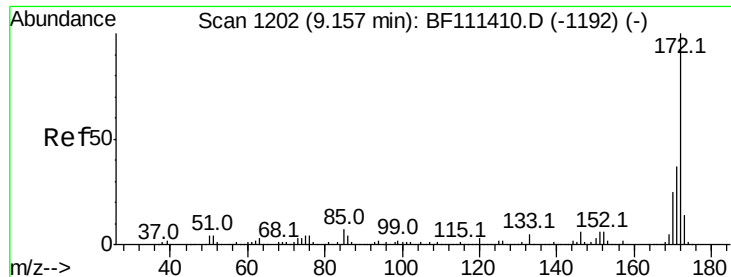
Abundance

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





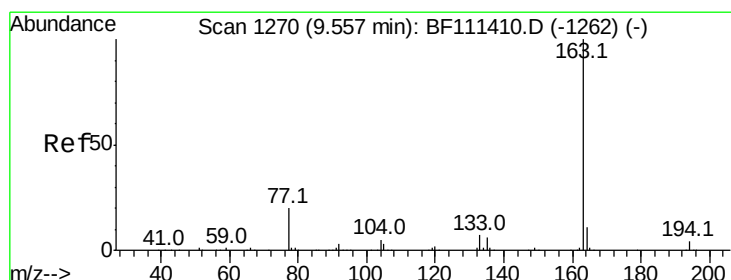
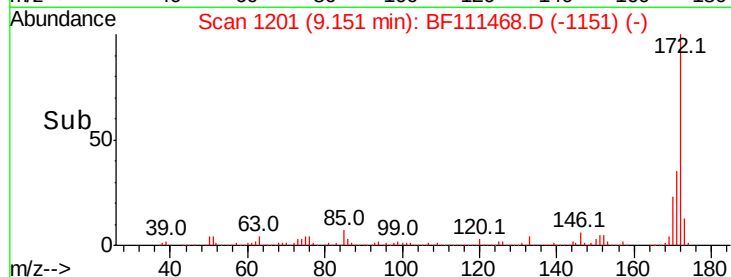
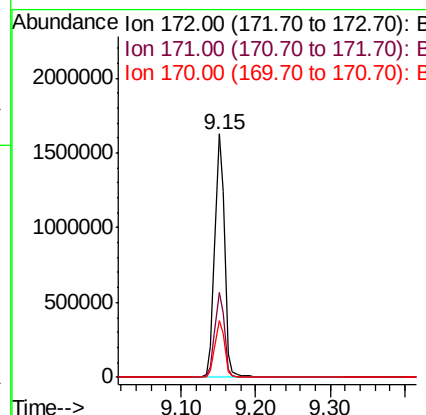
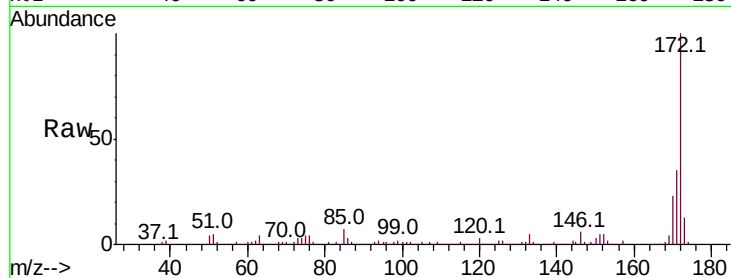
#45
2-Fluorobiphenyl
Concen: 72.976 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	33.0	49.4
170	23.5	22.3	33.5

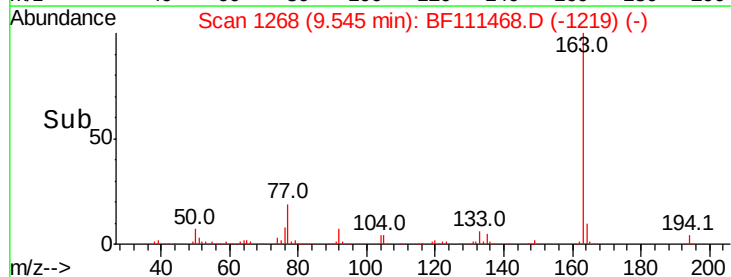
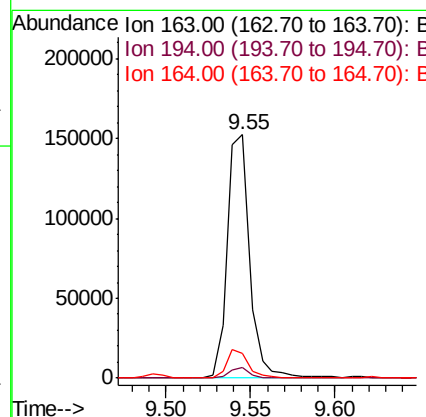
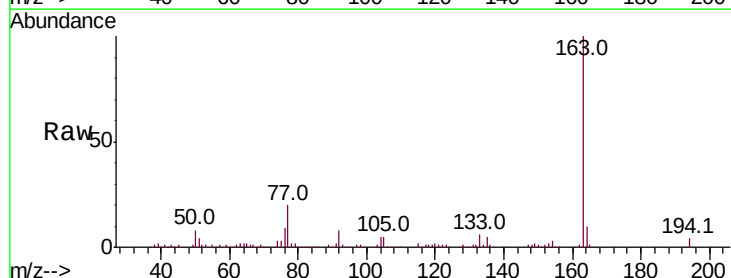
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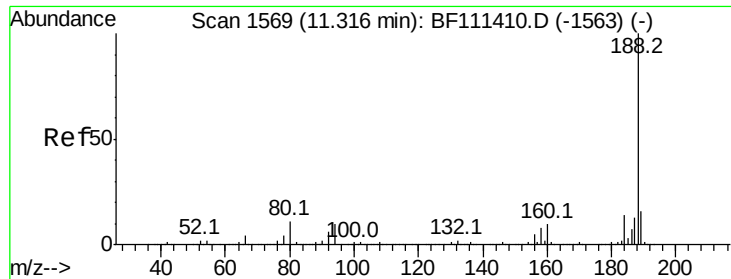
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#50
Dimethylphthalate
Concen: 6.239 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	10.3	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Instrument :

BNA_F

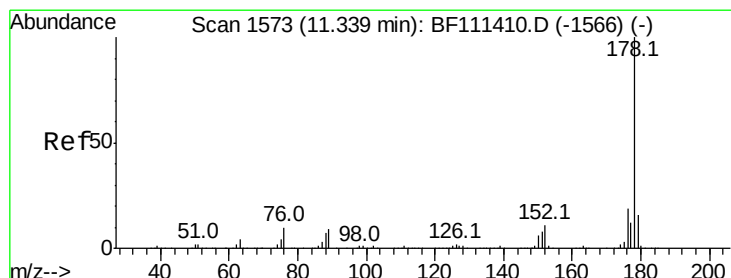
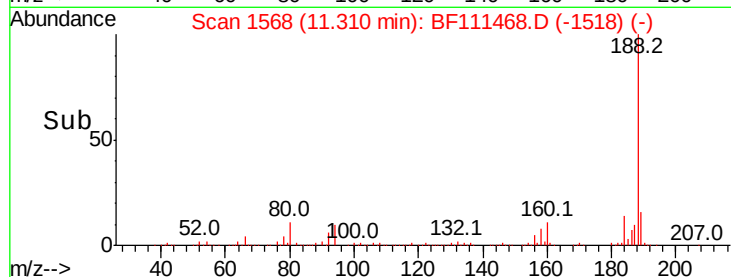
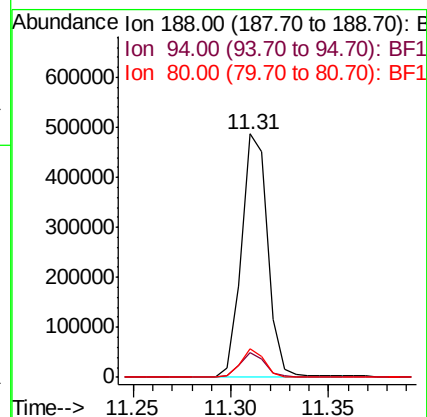
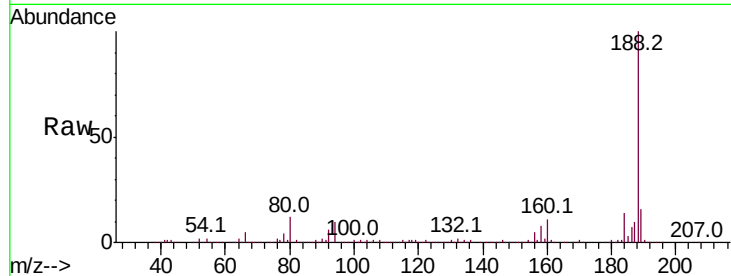
ClientSampleId :

BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion:188	Resp:	456826
Ion Ratio	Lower	Upper
188 100		
94 10.3	9.6	14.4
80 11.6	9.8	14.6

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#71

Phenanthrene

Concen: 16.552 ng

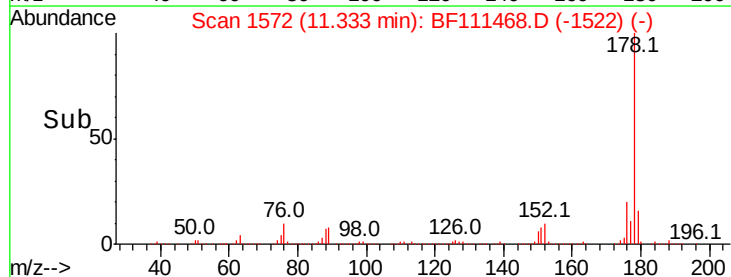
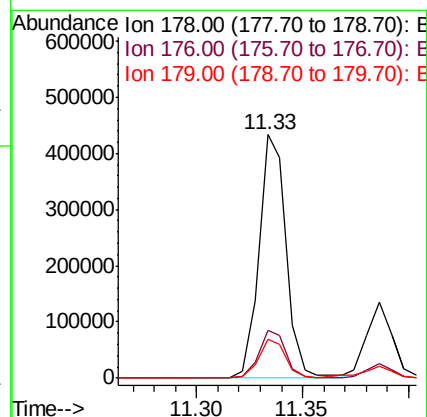
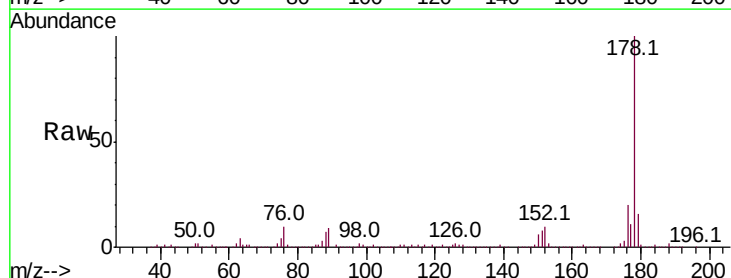
RT: 11.33 min Scan# 1572

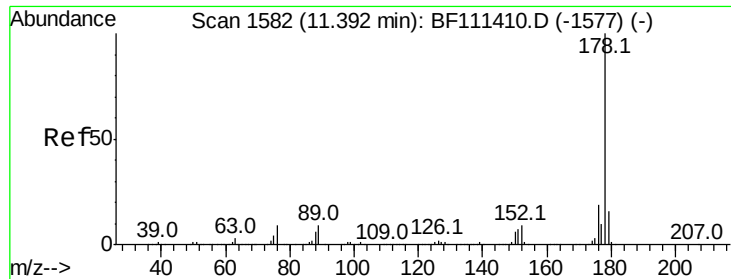
Delta R.T. -0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:178	Resp:	389615
Ion Ratio	Lower	Upper
178 100		
176 19.8	18.1	27.1
179 16.0	14.0	21.0





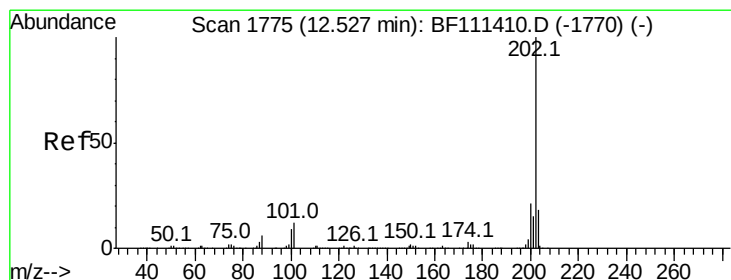
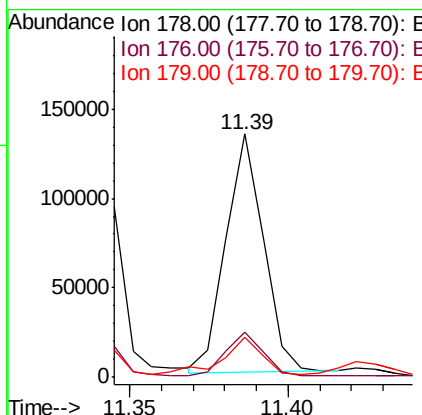
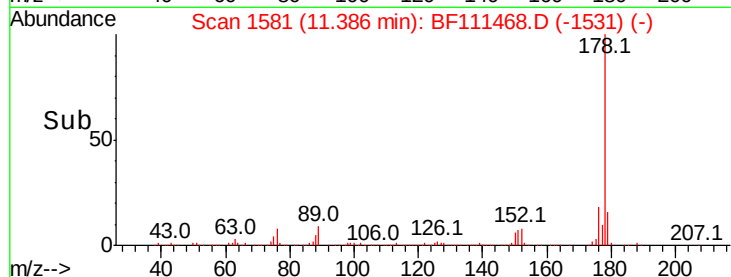
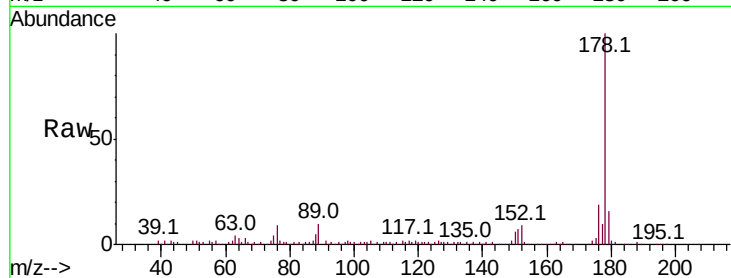
#72
 Anthracene
 Concen: 4.538 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	17.2	25.8
179	16.2	13.8	20.8

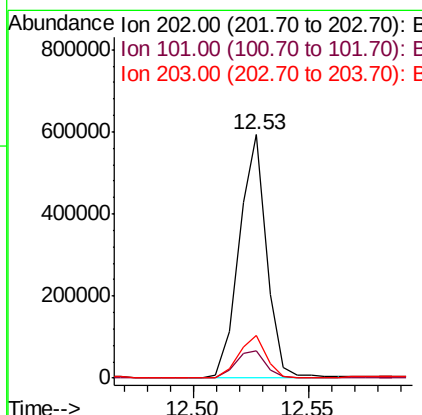
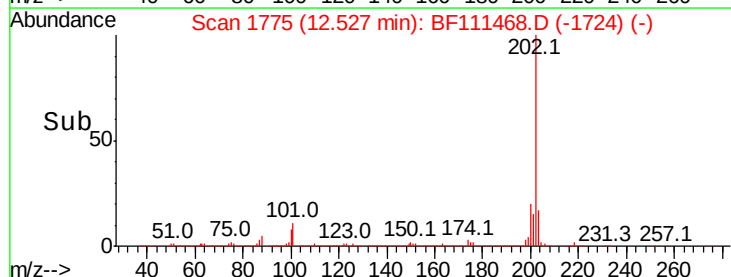
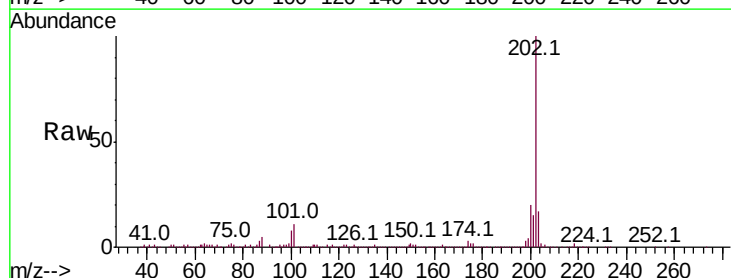
Manual Integrations
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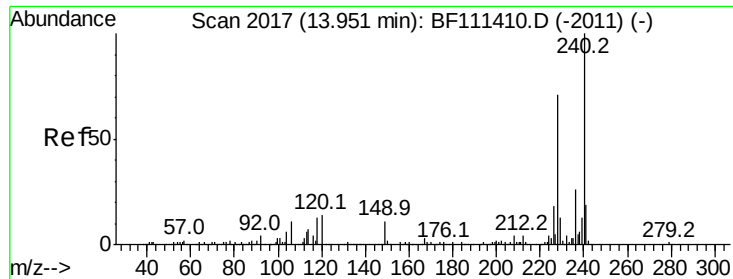
Sohil
 12/17/2018 3:11:58 PM



#75
 Fluoranthene
 Concen: 21.148 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.8
203	17.3	0.0	38.6





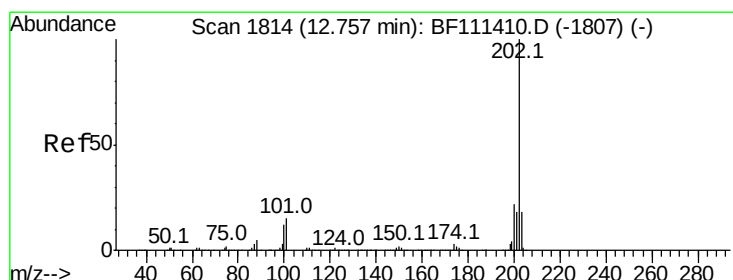
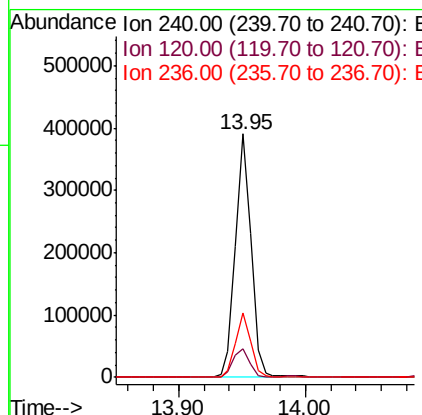
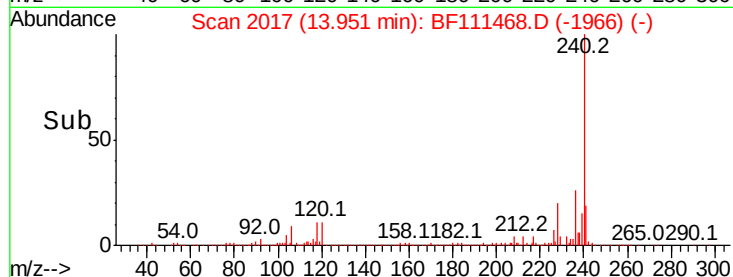
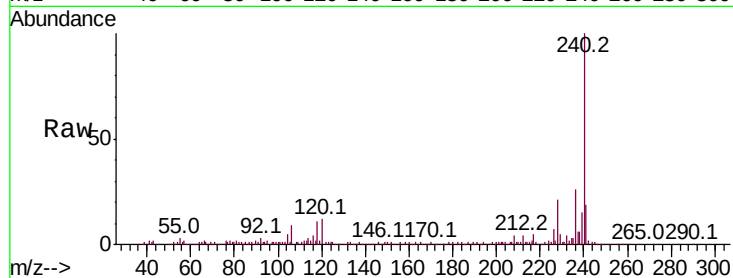
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	12.2	18.2#
236	26.4	20.2	30.2

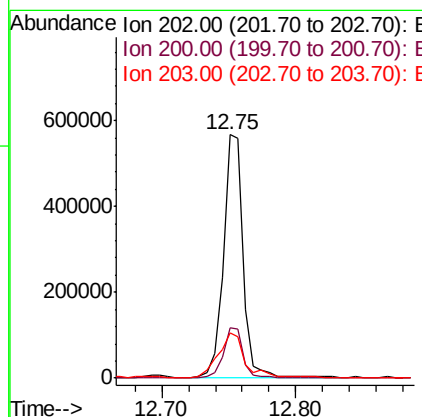
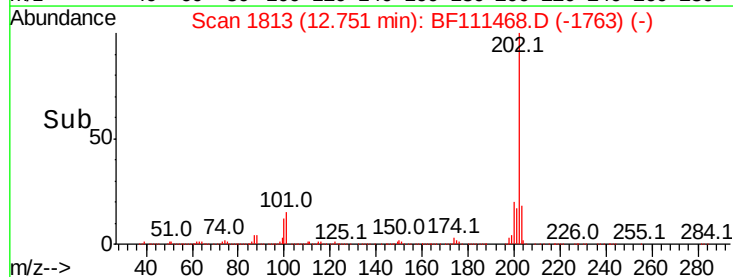
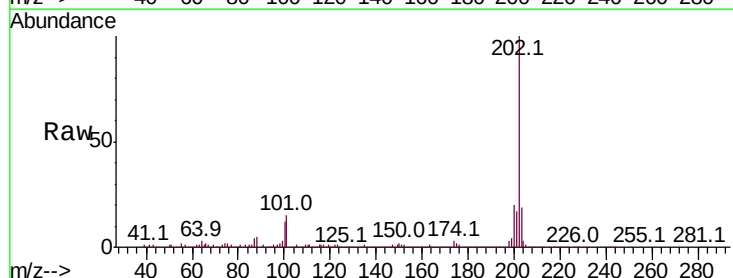
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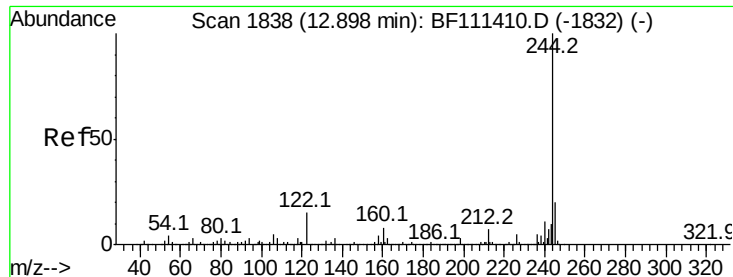
Sohil
 12/17/2018 3:11:58 PM



#78
 Pyrene
 Concen: 24.705 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111468.D
 Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	19.0	28.4
203	18.7	15.2	22.8





#79

Terphenyl-d14

Concen: 66.307 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Instrument :

BNA_F

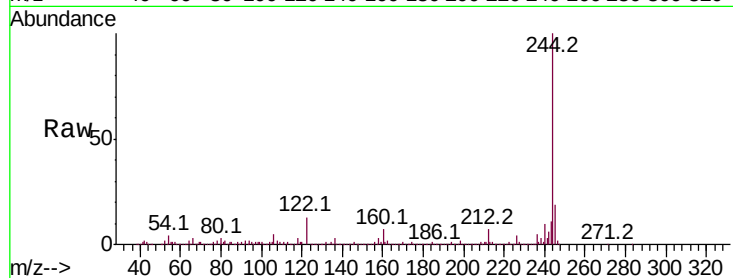
ClientSampleId :

BORING-SAMPLE-SIGNAL-TOWER-

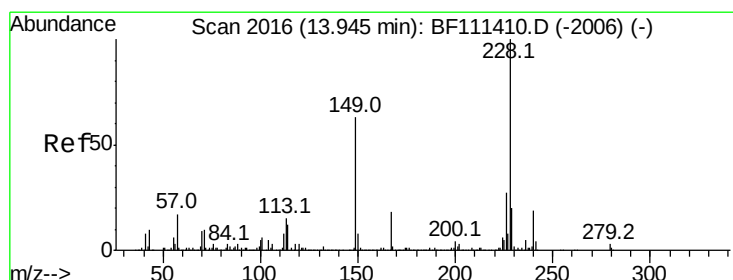
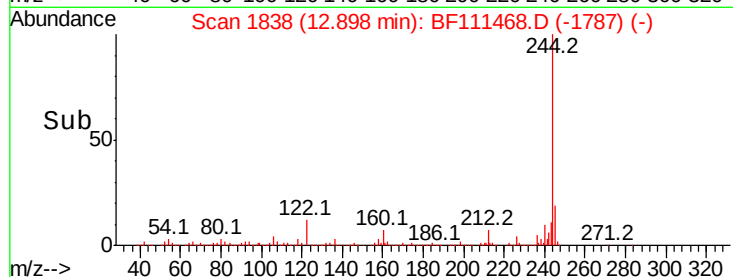
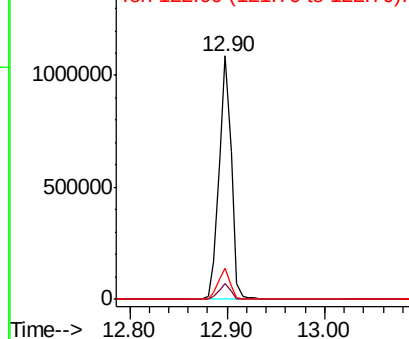
Tot Ion:244	Resp:	948525
Ion Ratio	Lower	Upper
244 100		
212 6.6	5.7	8.5
122 12.5	13.1	19.7#

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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



#81

Benzo(a)anthracene

Concen: 17.366 ng

RT: 13.94 min Scan# 2015

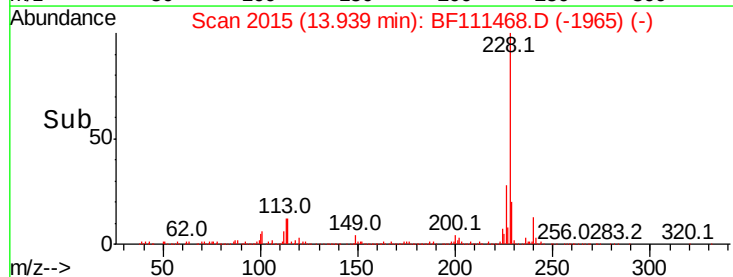
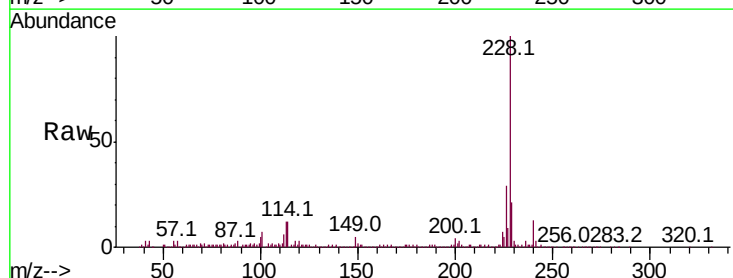
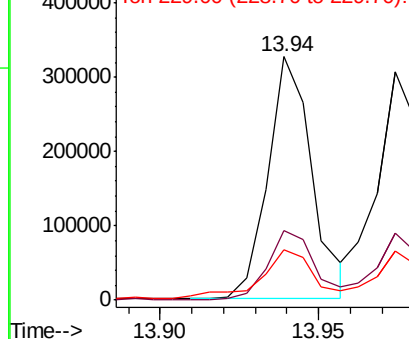
Delta R.T. -0.01 min

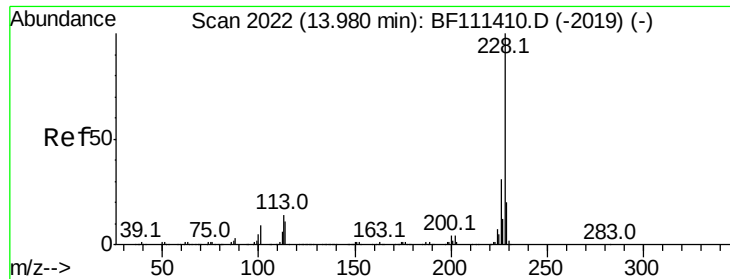
Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:228	Resp:	317185
Ion Ratio	Lower	Upper
228 100		
226 28.5	22.6	34.0
229 20.7	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





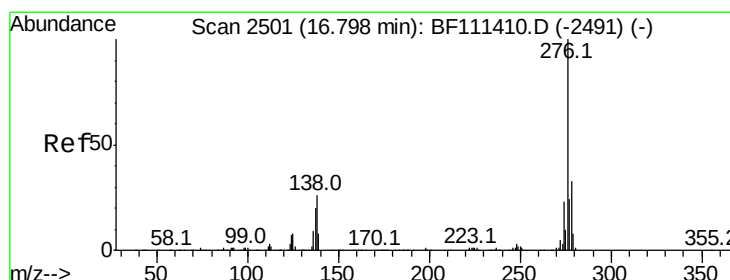
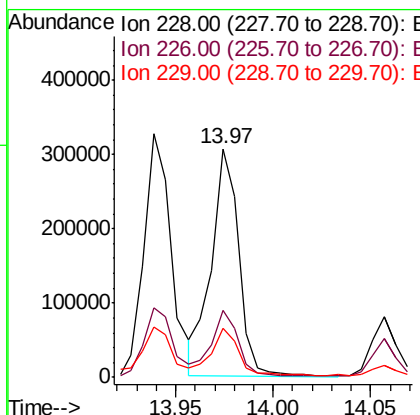
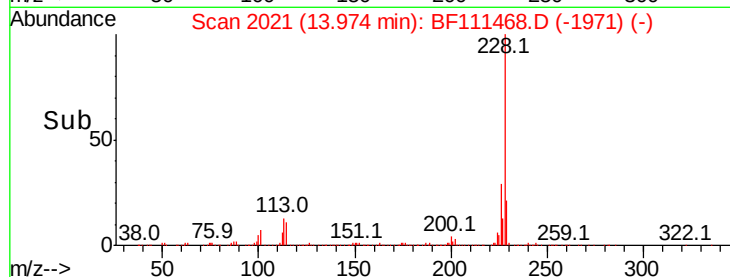
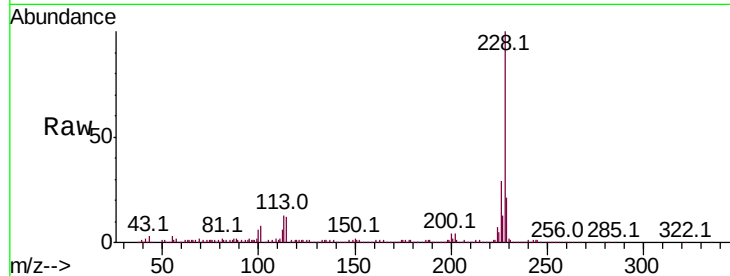
#83
Chrysene
Concen: 15.696 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.3	37.9
229	21.4	17.2	25.8

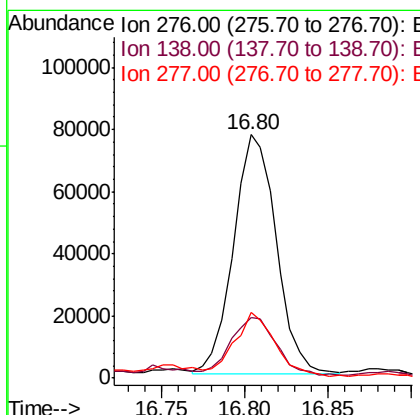
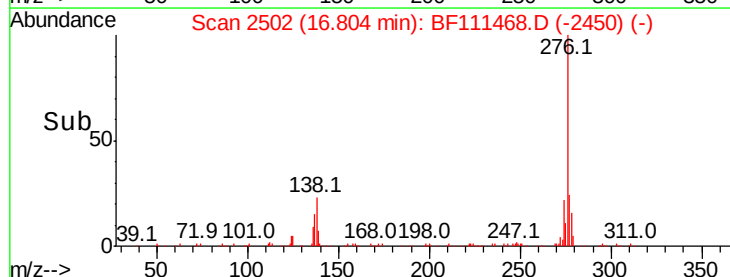
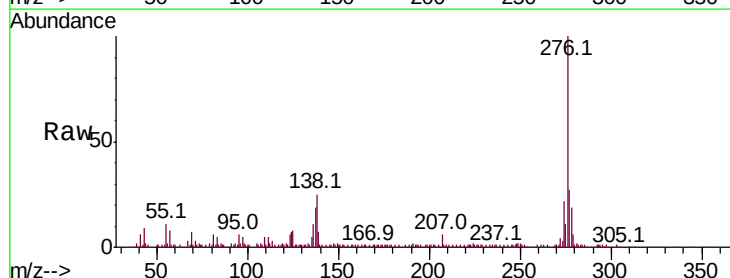
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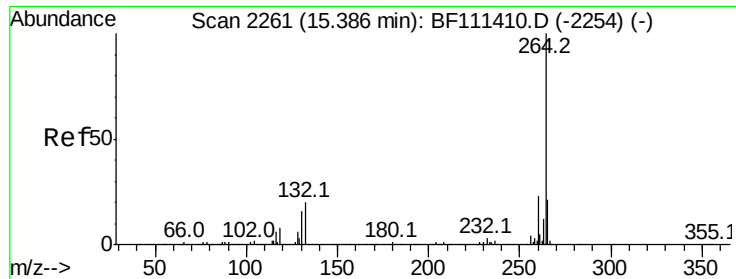
Sohil
12/17/2018 3:11:58 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.035 ng m
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.5	27.8	41.6#
277	5.0	20.1	30.1#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Instrument :

BNA_F

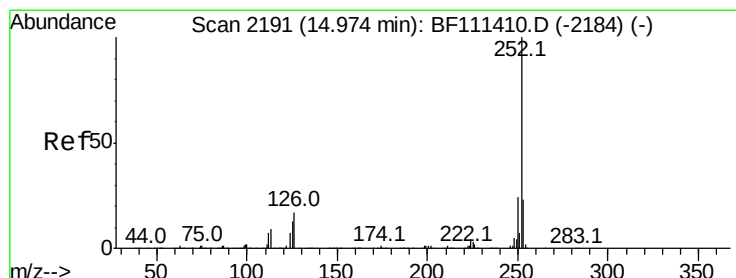
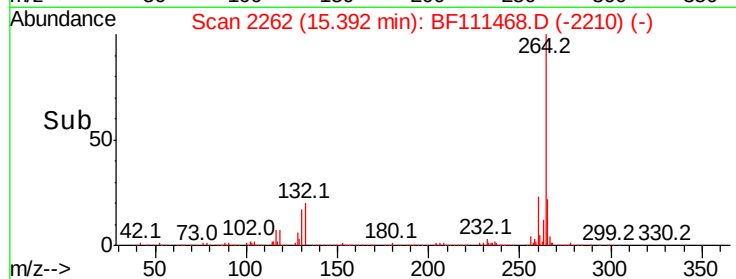
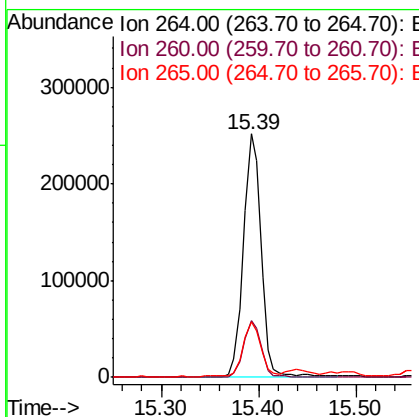
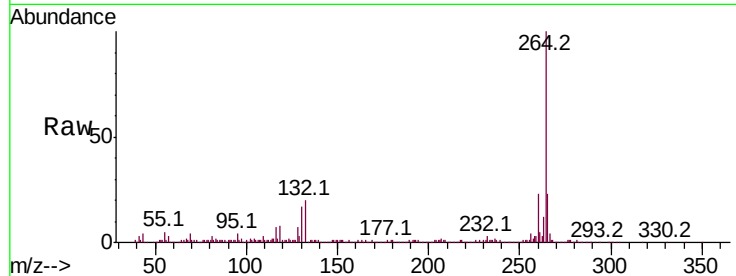
ClientSampleId :

BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion:	264	Resp:	320703
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.3	27.5
265	22.6	17.7	26.5

Manual Integrations
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12/17/2018 3:11:58 PM



#88

Benzo(b)fluoranthene

Concen: 21.927 ng m

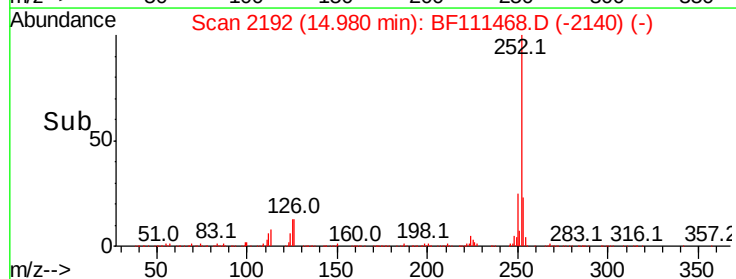
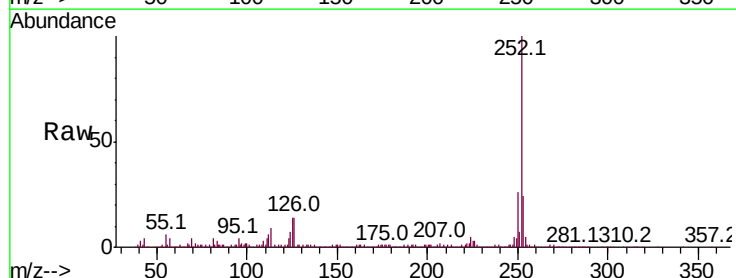
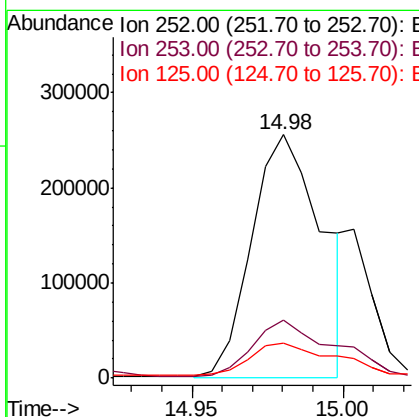
RT: 14.98 min Scan# 2192

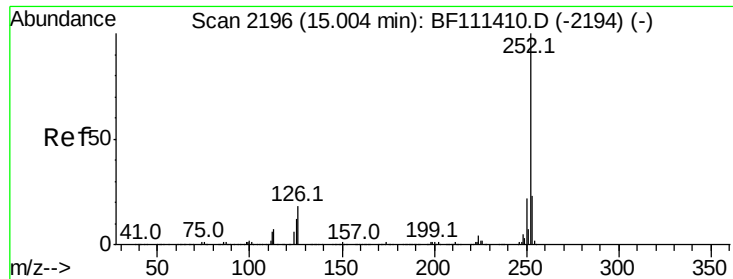
Delta R.T. 0.01 min

Lab File: BF111468.D

Acq: 15 Dec 2018 15:03

Tgt Ion:	252	Resp:	409979
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.2
125	14.1	10.4	15.6





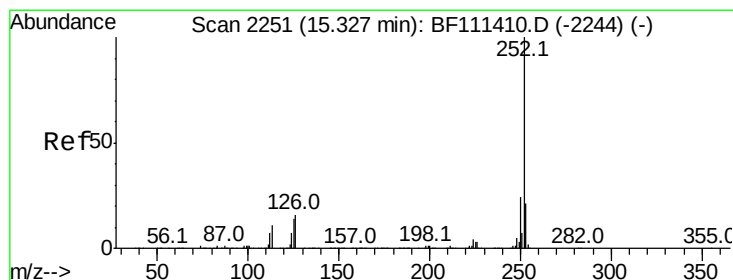
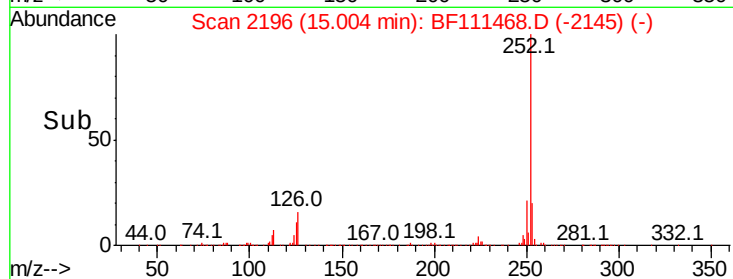
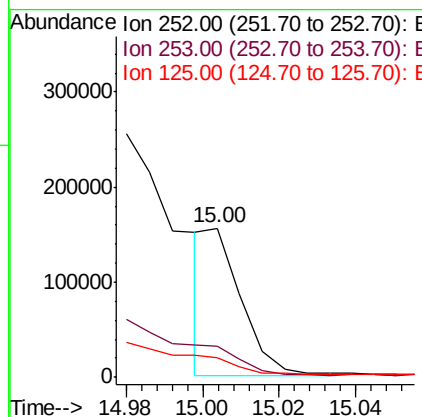
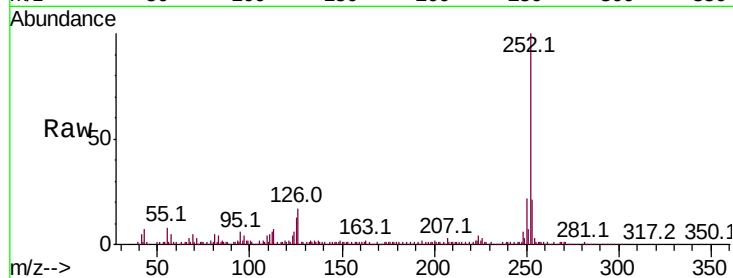
#89
Benzo(k)fluoranthene
Concen: 5.446 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.1	27.1
125	12.8	9.8	14.8

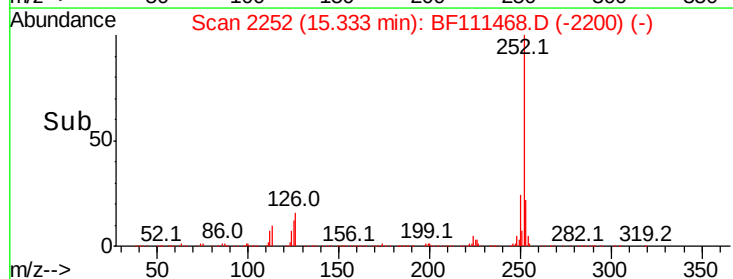
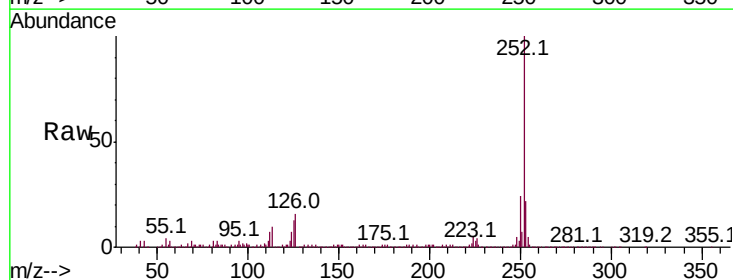
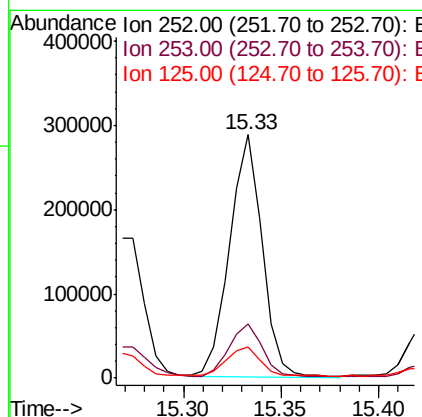
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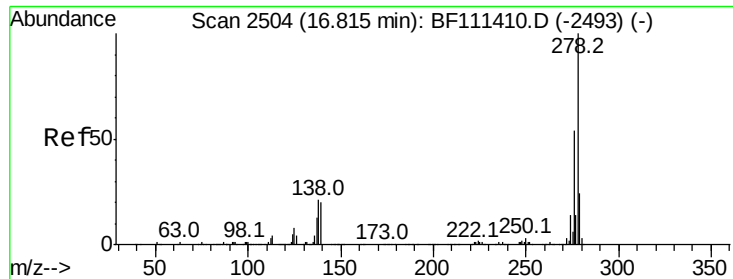
Sohil
12/17/2018 3:11:58 PM



#90
Benzo(a)pyrene
Concen: 19.868 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.9	12.3	18.5





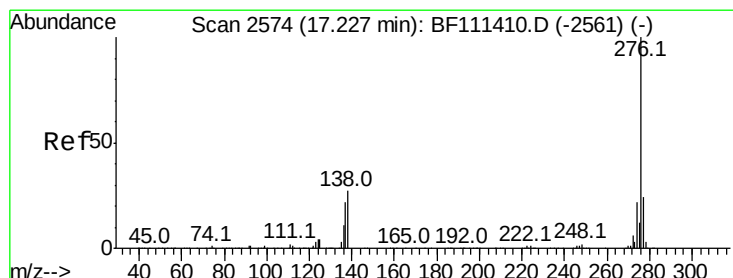
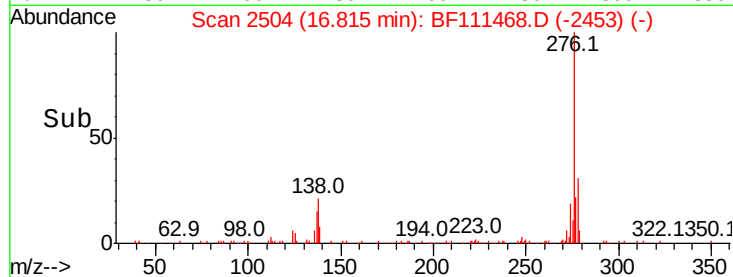
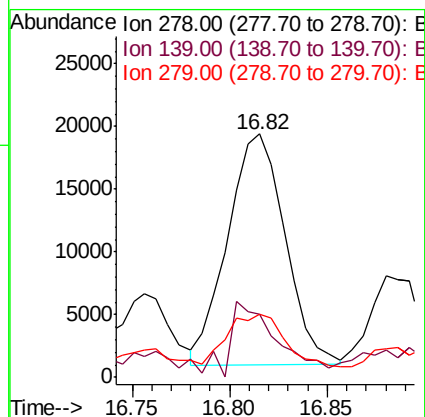
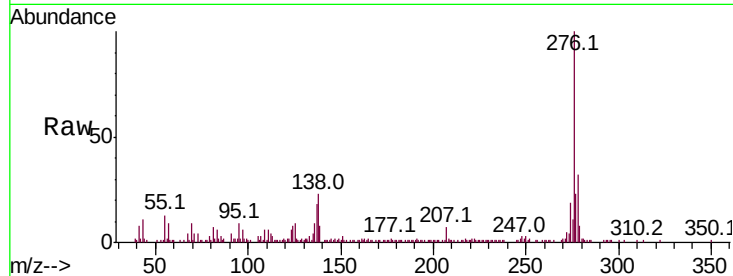
#91
Dibenzo(a,h)anthracene
Concen: 2.817 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-SIGNAL-TOWER-

Tot Ion:	278	Resp:	37465
Ion	Ratio	Lower	Upper
278	100		
139	25.7	18.2	27.4
279	26.0	19.0	28.6

Manual Integrations
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Sohil
12/17/2018 3:11:58 PM



#92
Benzo(g,h,i)perylene
Concen: 10.557 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111468.D
Acq: 15 Dec 2018 15:03

Tgt Ion:	276	Resp:	137821
Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.2	28.8
138	26.7	24.9	37.3

