

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111469.D
 Acq On : 15 Dec 2018 15:31
 Operator : JU/SJ
 Sample : J6316-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-CBH-591

Manual Integrations
 APPROVED

Sohil
 12/17/2018 3:12:00 PM

Quant Time: Dec 16 01:19:56 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	175291	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	706165	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	316296	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	442956	20.00	ng	0.00
76) Chrysene-d12	13.96	240	336446	20.00	ng	0.00
87) Perylene-d12	15.40	264	295728	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1163021	110.41	ng	0.00
7) Phenol-d6	6.44	99	1490727	106.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	913558	77.04	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	242306	85.52	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1657043	80.92	ng	0.00
79) Terphenyl-d14	12.90	244	1040489	72.62	ng	0.00
Target Compounds						
10) Phenol	6.45	94	82593	5.291	ng	94
31) Naphthalene	8.10	128	180739	5.472	ng	96
50) Dimethylphthalate	9.55	163	188282	8.266	ng	98
52) Acenaphthene	9.86	154	38843	2.032	ng	90
71) Phenanthrene	11.34	178	569433	24.948	ng	93
72) Anthracene	11.39	178	110819	4.748	ng	93
75) Fluoranthene	12.53	202	903184	40.448	ng	97
78) Pyrene	12.76	202	907516	38.259	ng	95
81) Benzo(a)anthracene	13.94	228	656057	35.862	ng	99
83) Chrysene	13.98	228	566602	29.401	ng	98
86) Indeno(1,2,3-cd)pyrene	16.82	276	221618m	15.934	ng	
88) Benzo(b)fluoranthene	14.99	252	706808m	40.995	ng	
89) Benzo(k)fluoranthene	15.00	252	260656m	15.822	ng	
90) Benzo(a)pyrene	15.34	252	480529	30.907	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	56063m	4.571	ng	
92) Benzo(g,h,i)perylene	17.24	276	198845	16.517	ng	94

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

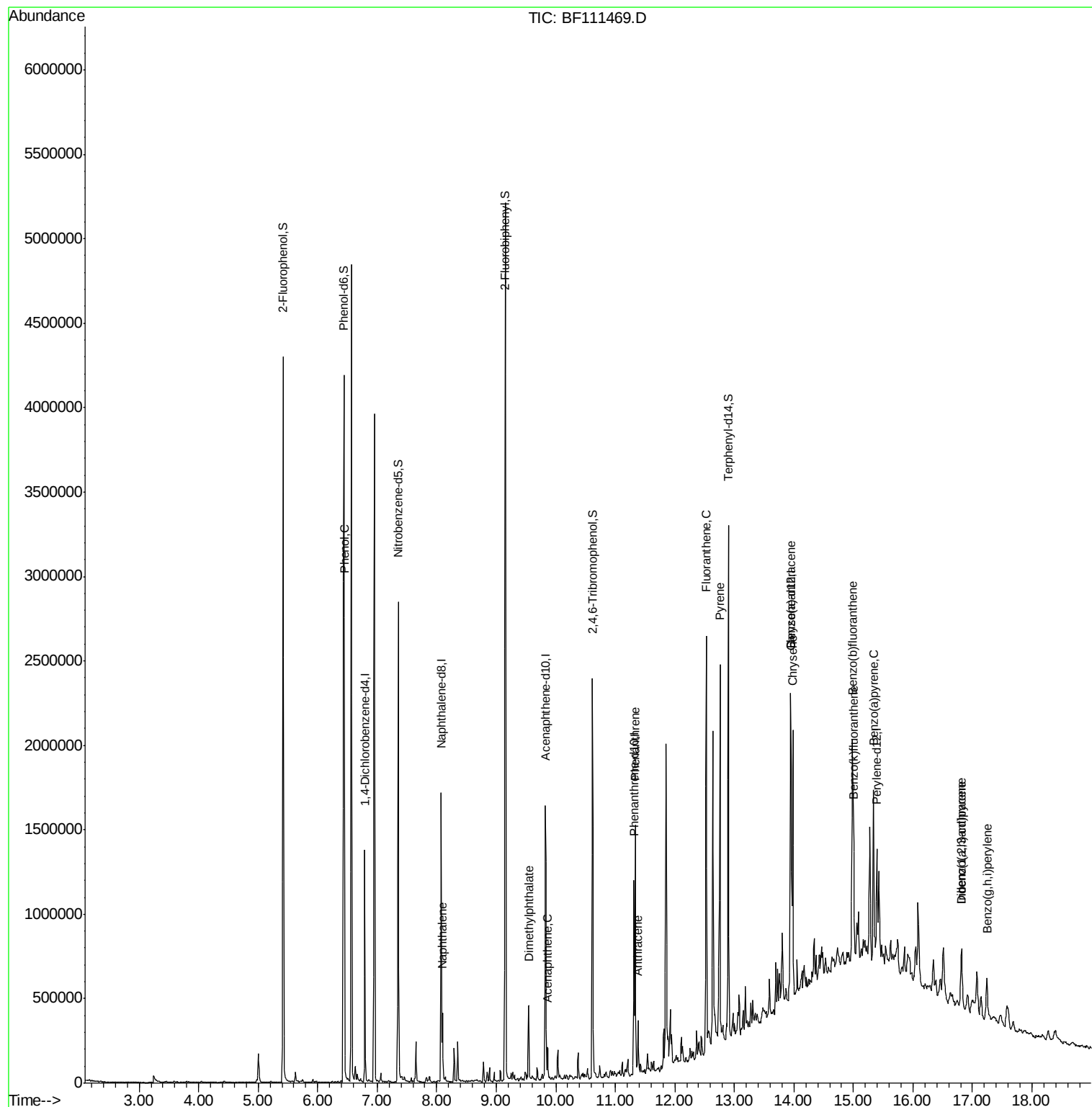
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
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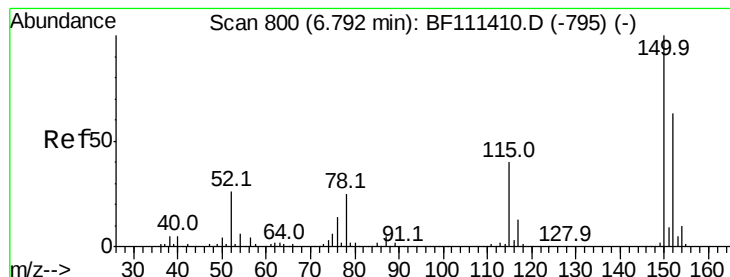
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Quant Time: Dec 16 01:19:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Instrument :

BNA_F

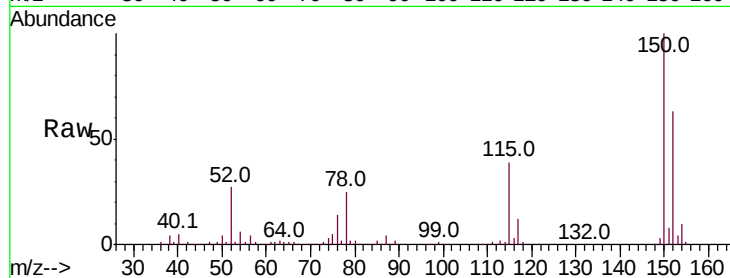
ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion:	152	Resp:	175291
Ion Ratio	Lower	Upper	
152	100		
150	159.5	126.6	189.8
115	62.3	50.7	76.1

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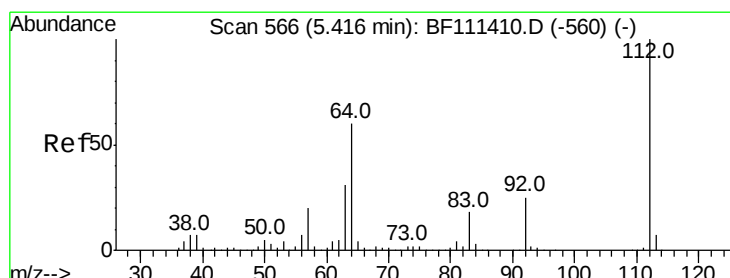
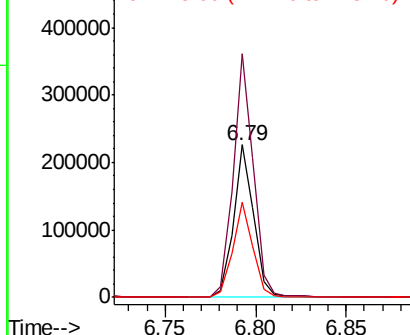
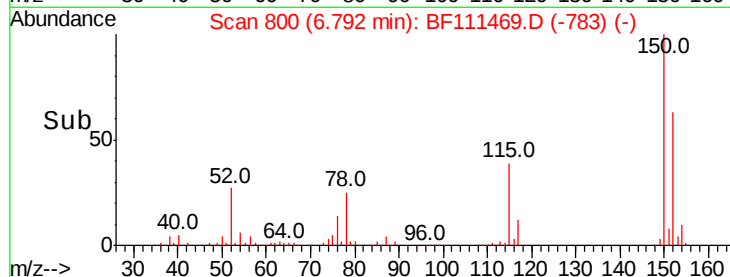


Abundance

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: 110.407 ng

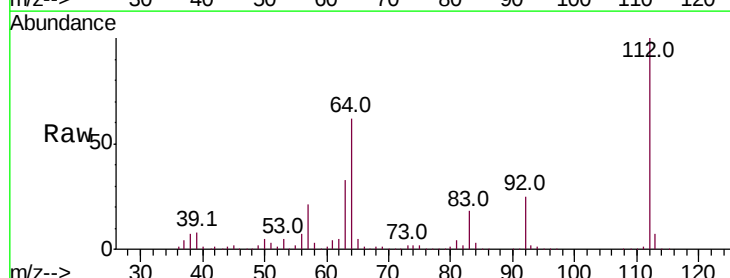
RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Tgt Ion:	112	Resp:	1163021
Ion Ratio	Lower	Upper	
112	100		
64	61.5	51.8	77.6
63	32.7	26.8	40.2

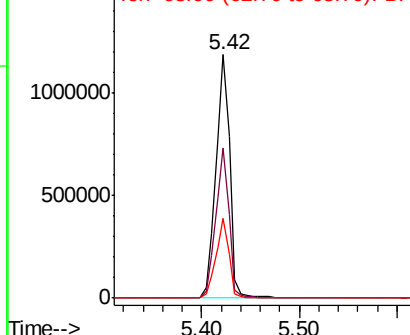
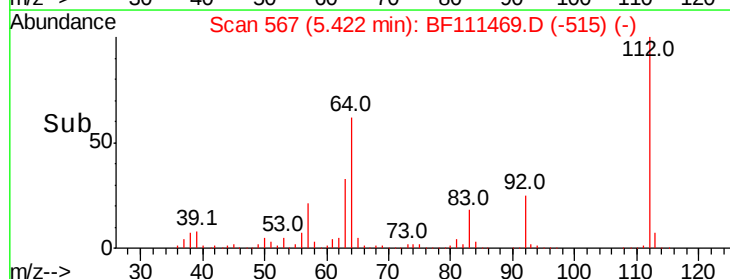


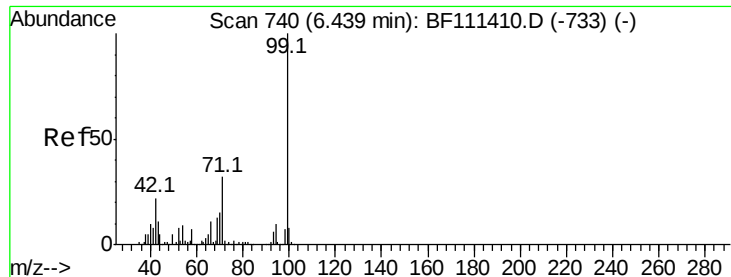
Abundance

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: 106.389 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Instrument :

BNA_F

ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion: 99 Resp: 1490727

Ion Ratio Lower Upper

99 100

42 22.7 17.4 26.0

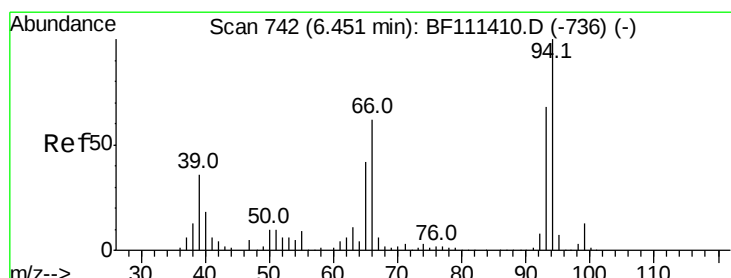
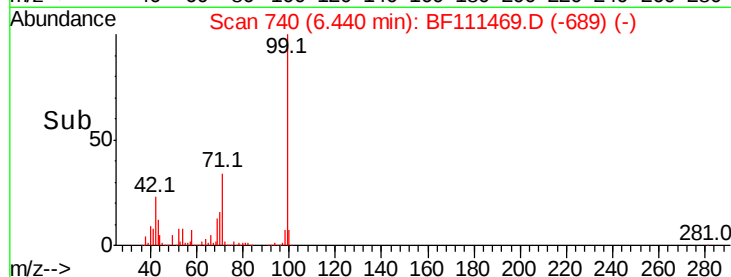
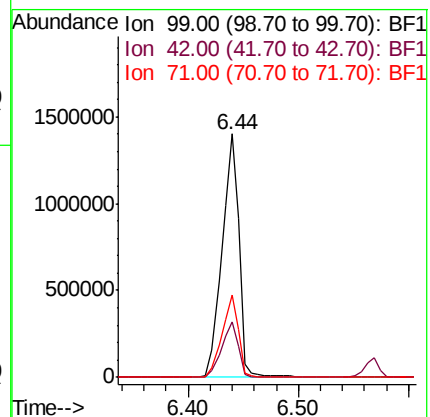
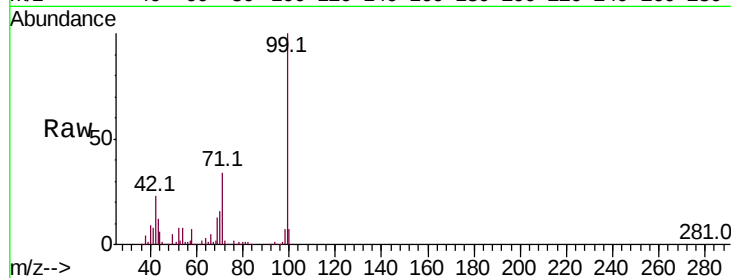
71 33.7 26.1 39.1

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#10

Phenol

Concen: 5.291 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

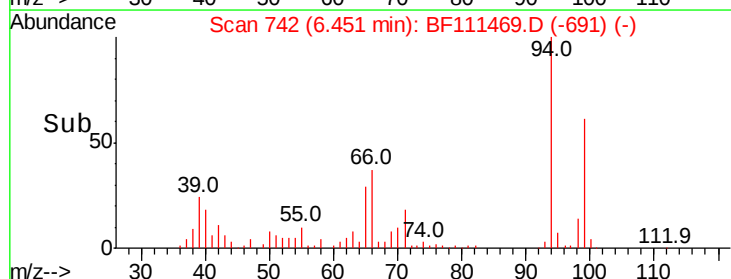
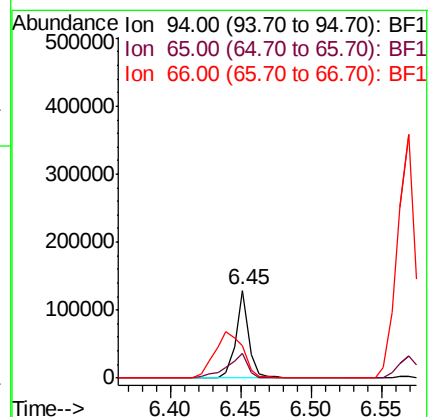
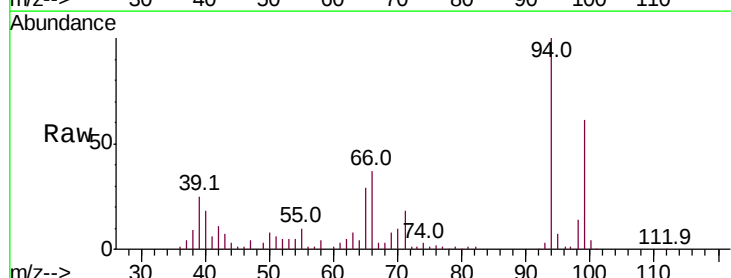
Tgt Ion: 94 Resp: 82593

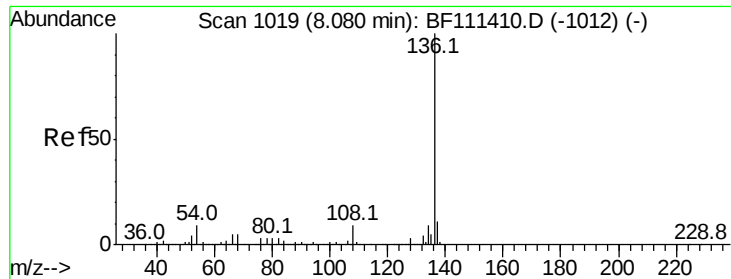
Ion Ratio Lower Upper

94 100

65 28.5 11.7 51.7

66 36.9 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: BF111469.D

Acq: 15 Dec 2018 15:31

Instrument :

BNA_F

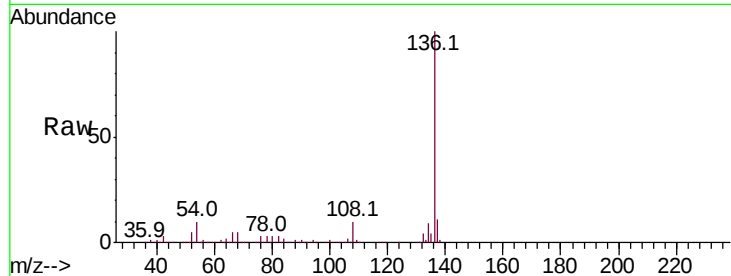
ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	9.1	13.7	
54	9.5	7.7	11.5	
68	5.0	4.9	7.3	

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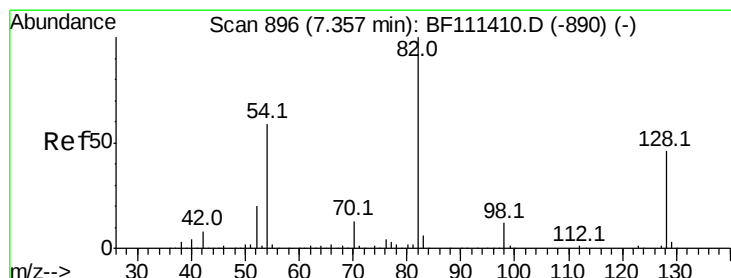
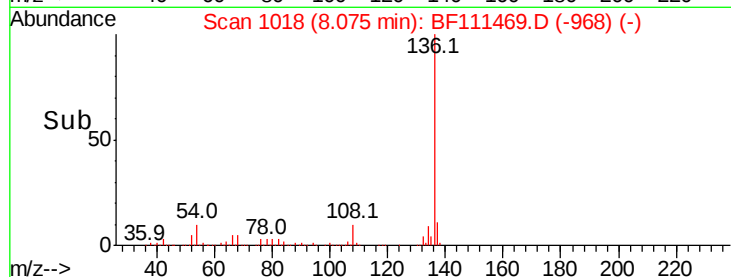
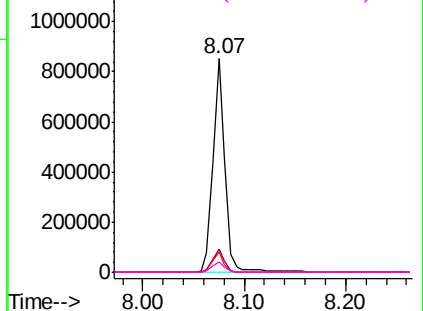
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 77.037 ng

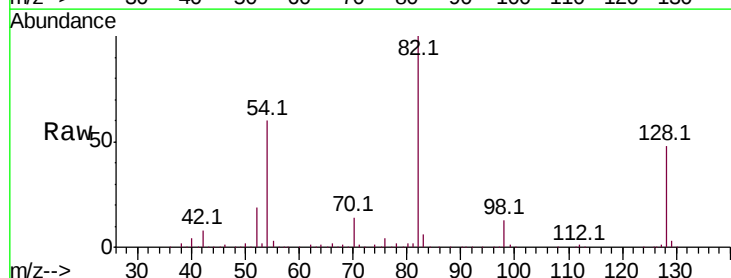
RT: 7.36 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	37.4	56.2	
54	59.6	47.6	71.4	

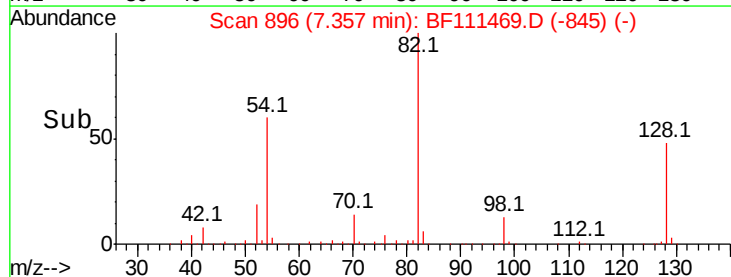
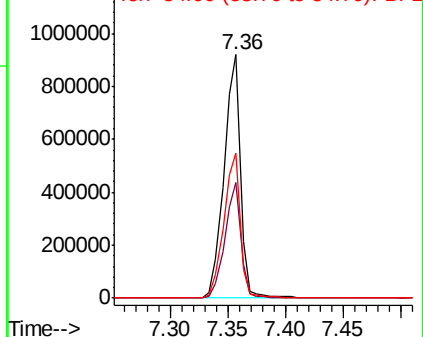


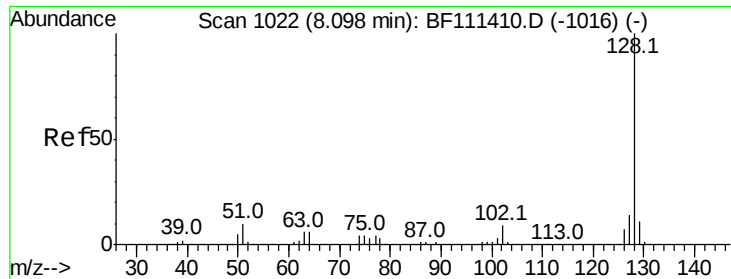
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





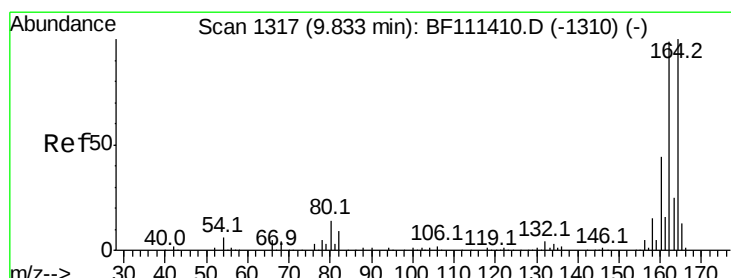
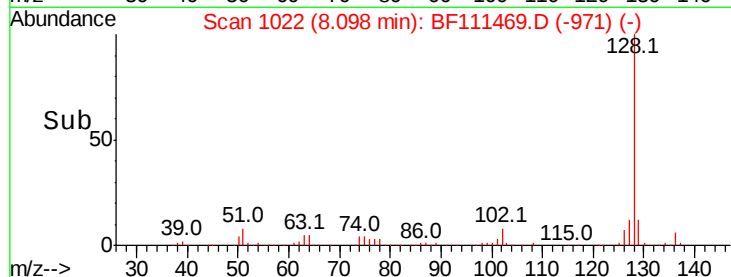
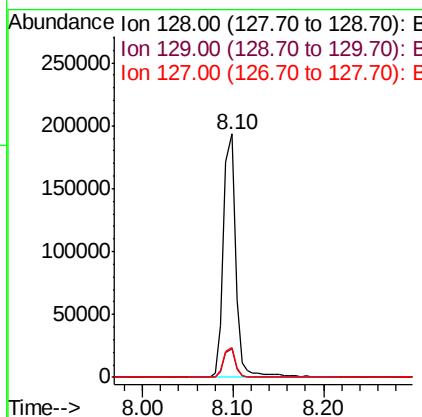
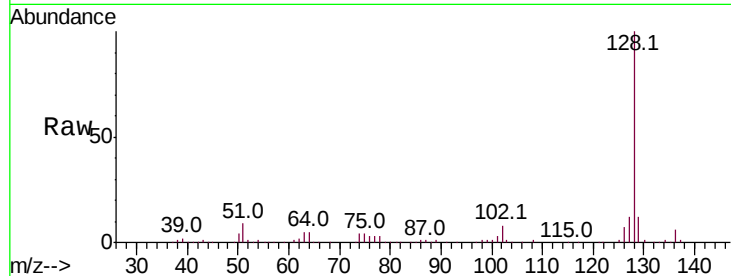
#31
Naphthalene
Concen: 5.472 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.8
127	12.4	12.0	18.0

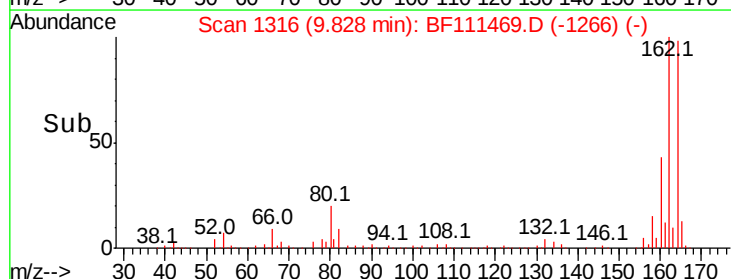
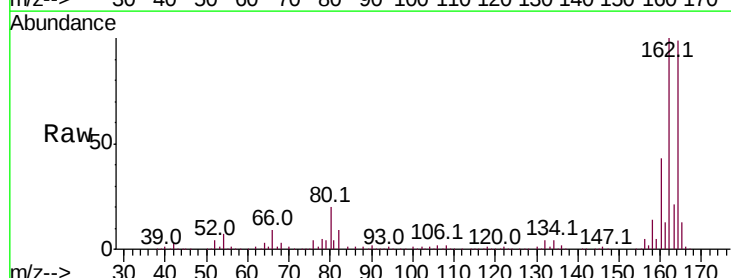
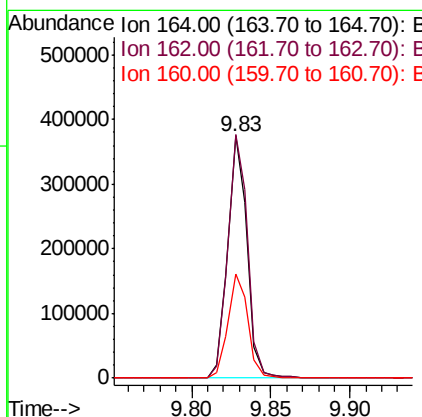
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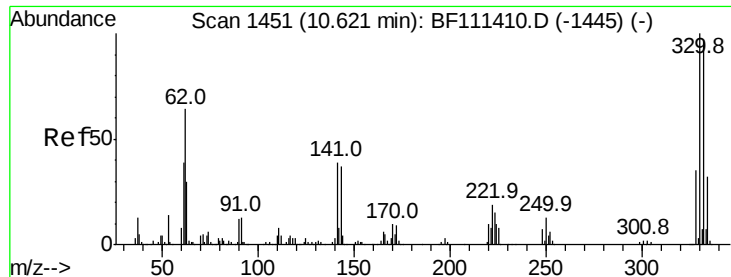
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.4	122.0
160	43.1	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 85.520 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Instrument :

BNA_F

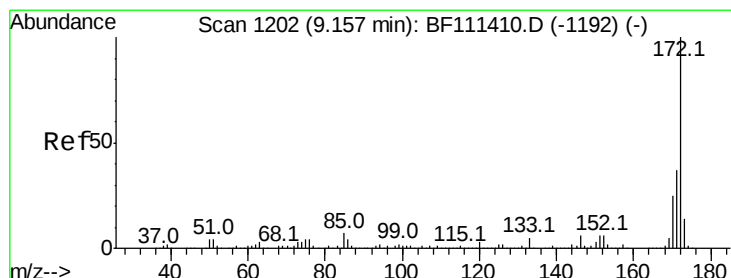
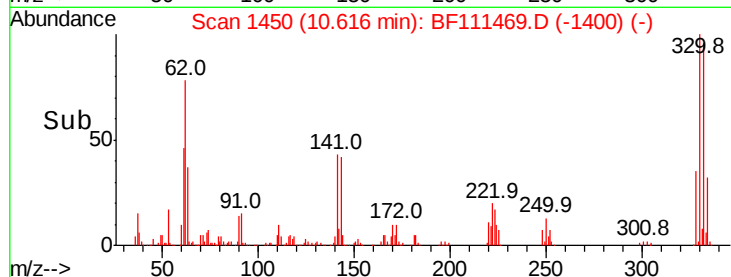
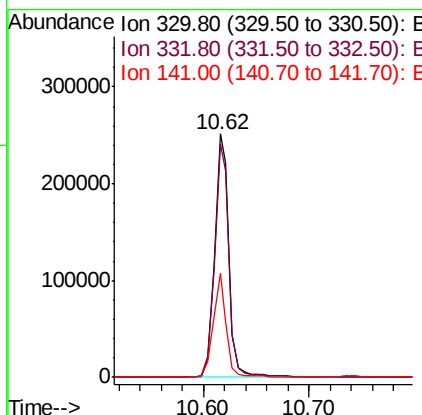
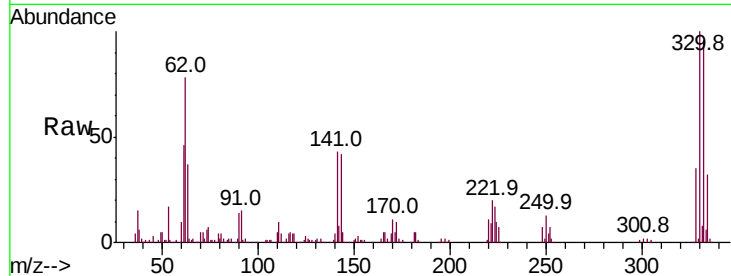
ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion:	330	Resp:	242306
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.0	114.0
141	39.6	31.0	46.6

Manual Integrations
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#45

2-Fluorobiphenyl

Concen: 80.922 ng

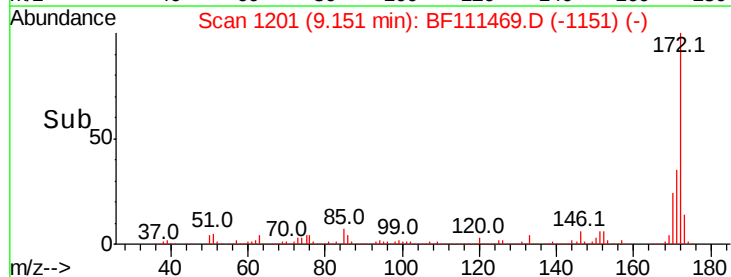
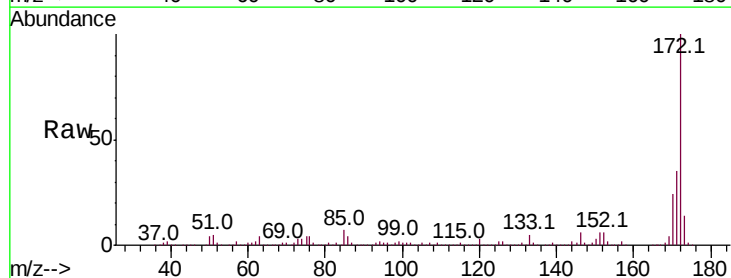
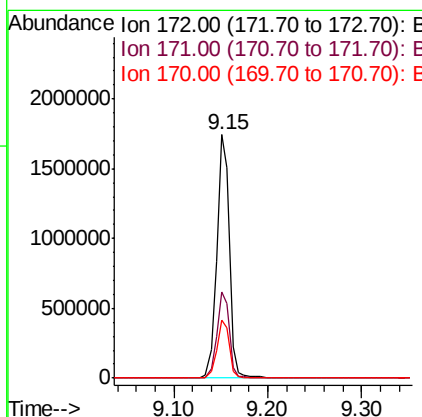
RT: 9.15 min Scan# 1201

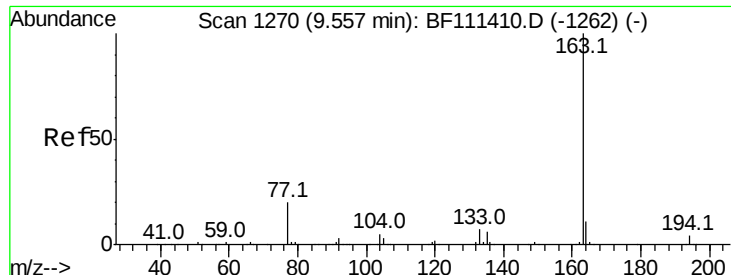
Delta R.T. -0.01 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Tgt Ion:	172	Resp:	1657043
Ion Ratio	Lower	Upper	
172	100		
171	35.4	33.0	49.4
170	23.8	22.3	33.5





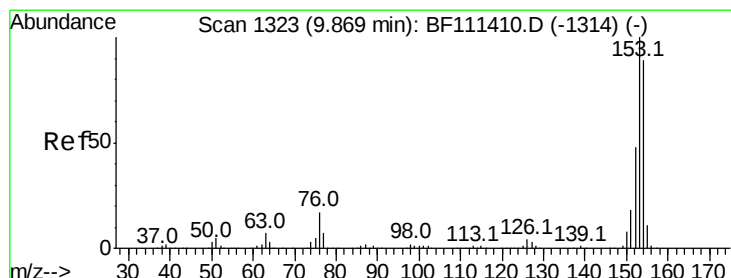
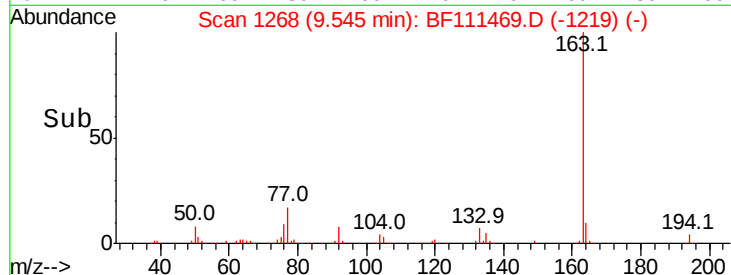
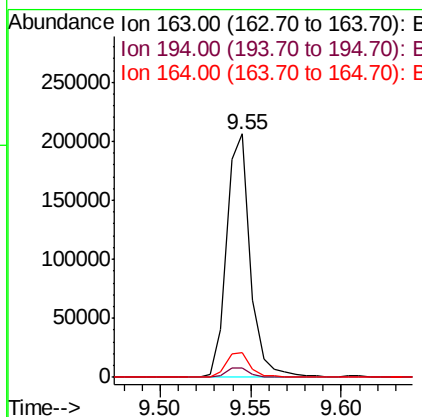
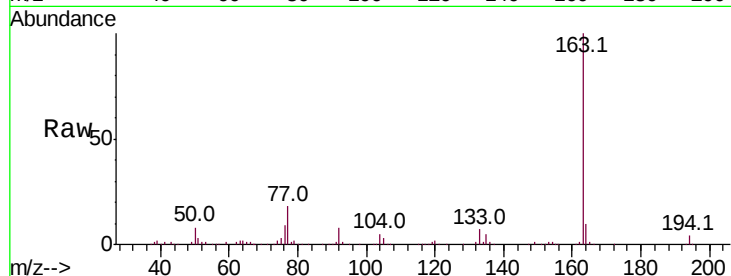
#50
Dimethylphthalate
Concen: 8.266 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Resp	Lower	Upper
163	100	188282		
194	3.7		3.0	4.6
164	10.2		8.9	13.3

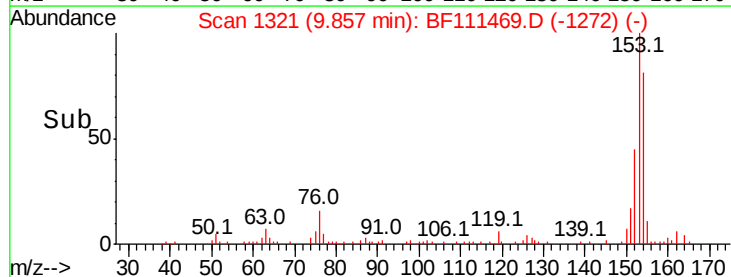
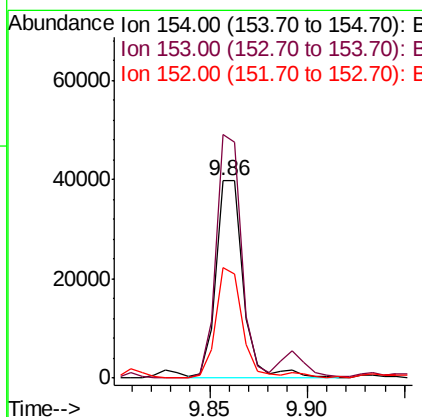
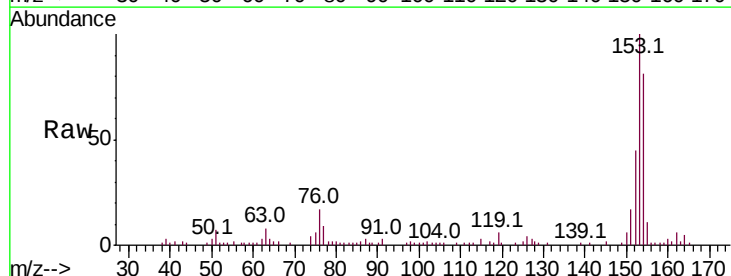
Manual Integrations
APPROVED

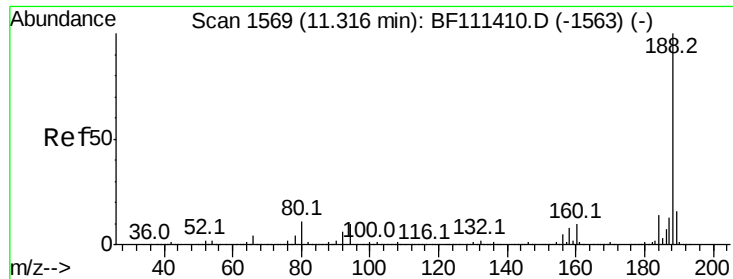
Sohil
12/17/2018 3:12:00 PM



#52
Acenaphthene
Concen: 2.032 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	38843		
153	123.5		87.8	131.8
152	56.1		43.4	65.2





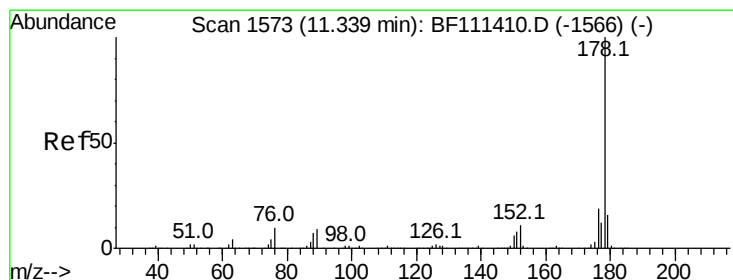
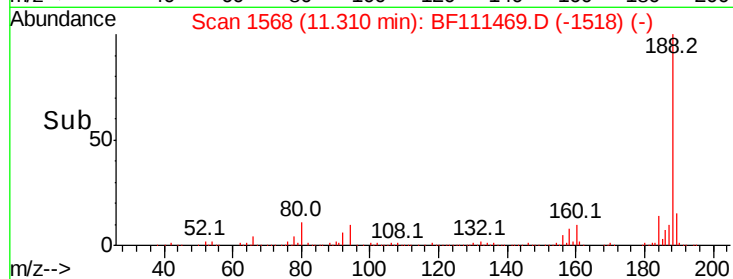
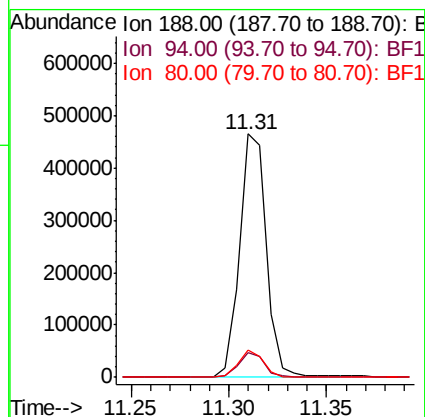
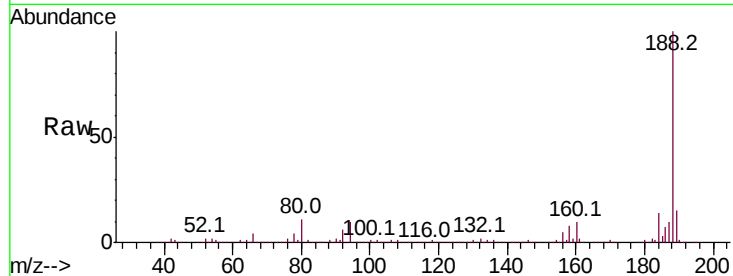
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Resp	Lower	Upper
188	100	442956		
94	10.2		9.6	14.4
80	11.1		9.8	14.6

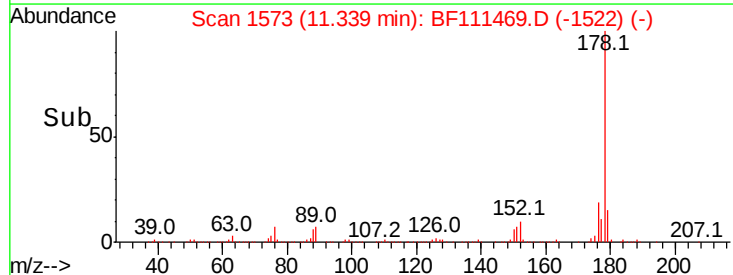
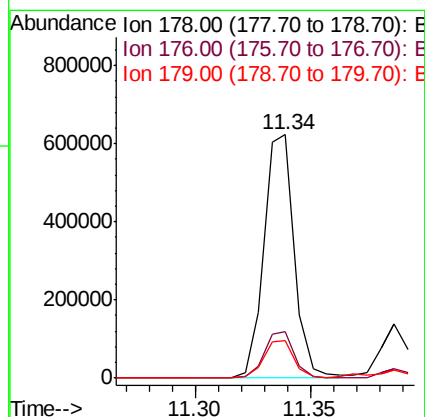
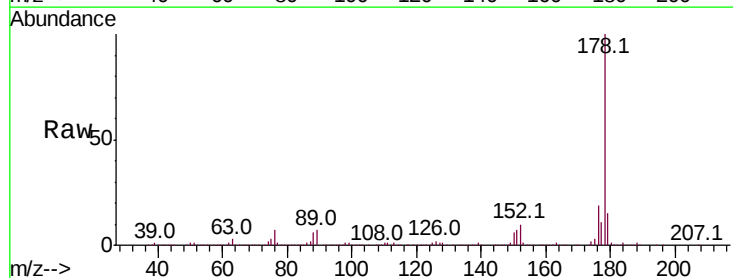
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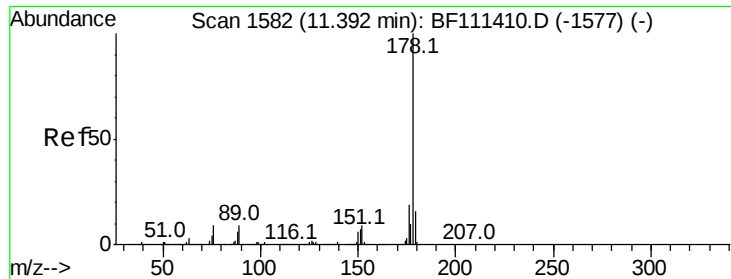
Sohil
12/17/2018 3:12:00 PM



#71
Phenanthrene
Concen: 24.948 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	569433		
176	18.9		18.1	27.1
179	15.2		14.0	21.0





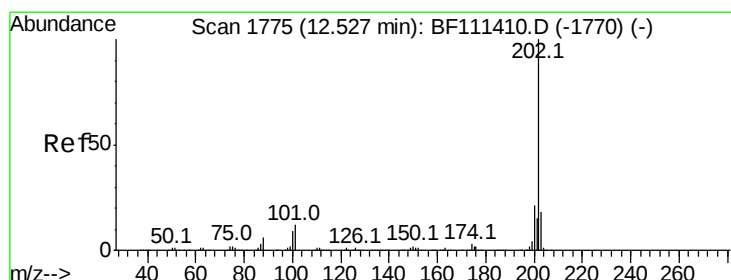
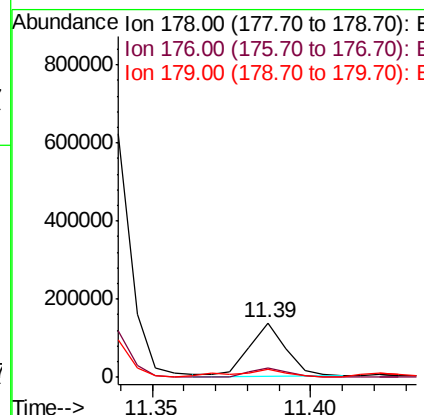
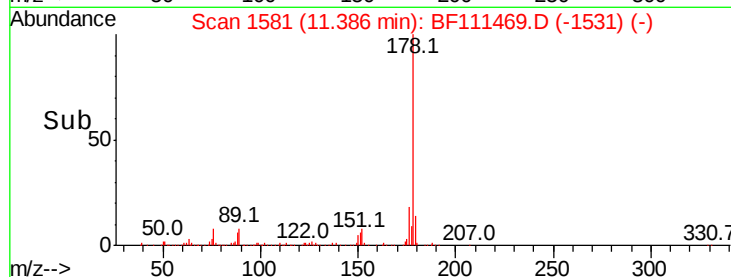
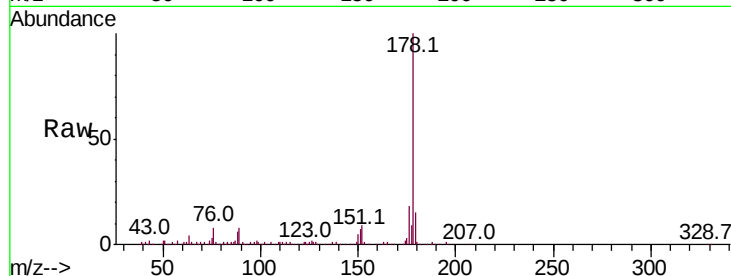
#72
 Anthracene
 Concen: 4.748 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111469.D
 Acq: 15 Dec 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :
 BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	17.2	25.8
179	14.6	13.8	20.8

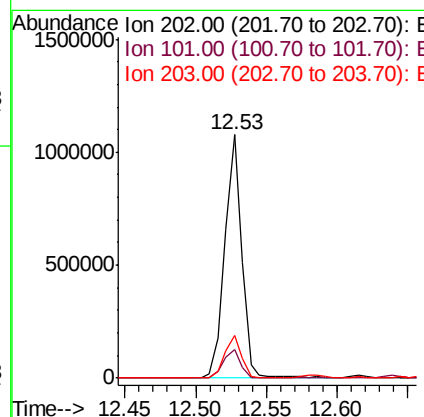
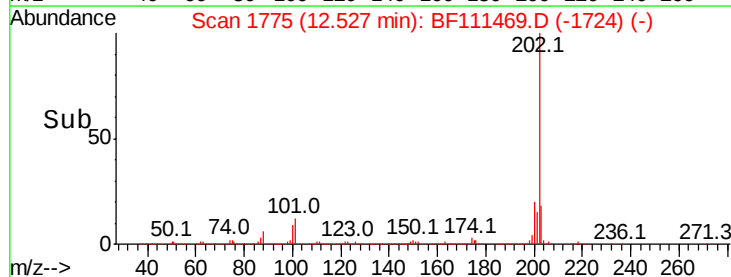
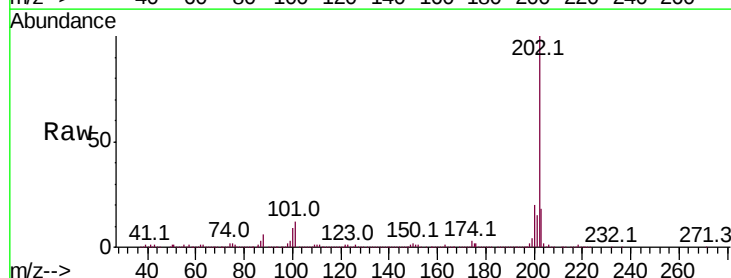
Manual Integrations
 APPROVED

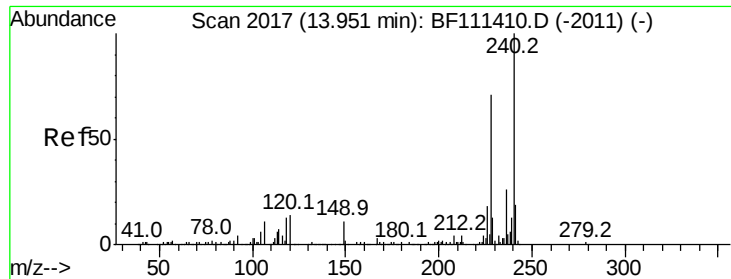
Sohil
 12/17/2018 3:12:00 PM



#75
 Fluoranthene
 Concen: 40.448 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BF111469.D
 Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.8
203	17.7	0.0	38.6





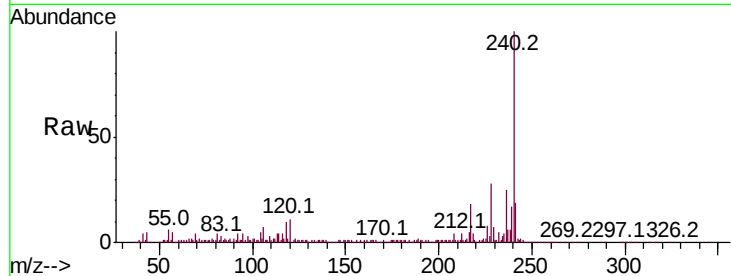
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	12.2	18.2#
236	25.2	20.2	30.2

Manual Integrations
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Sohil
12/17/2018 3:12:00 PM

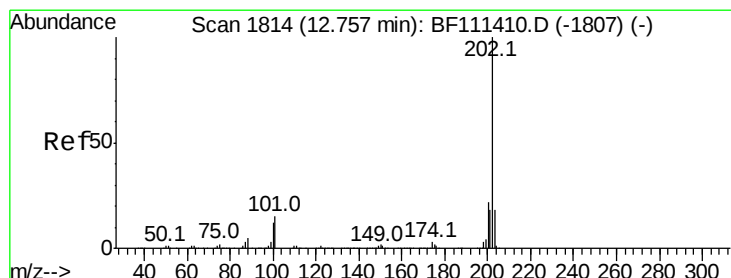
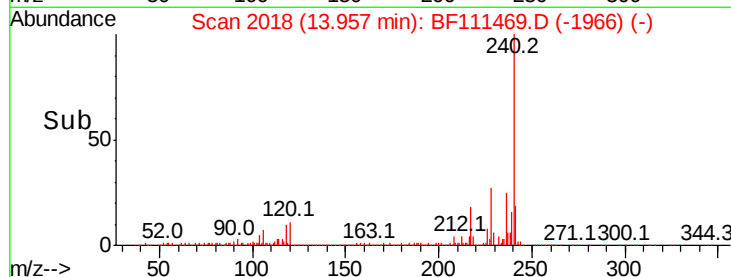
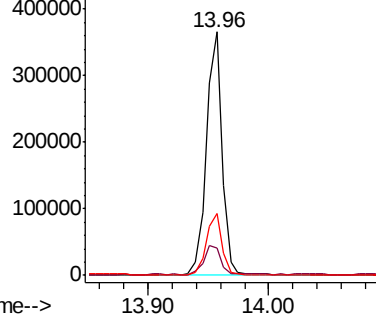


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 38.259 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

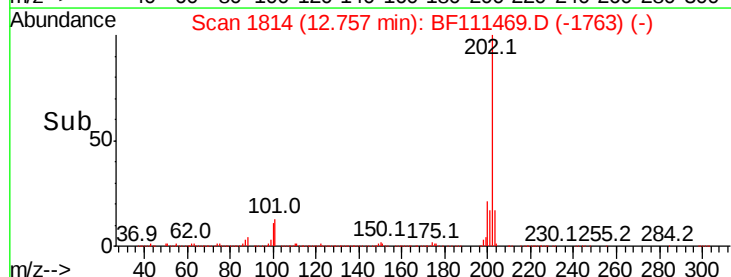
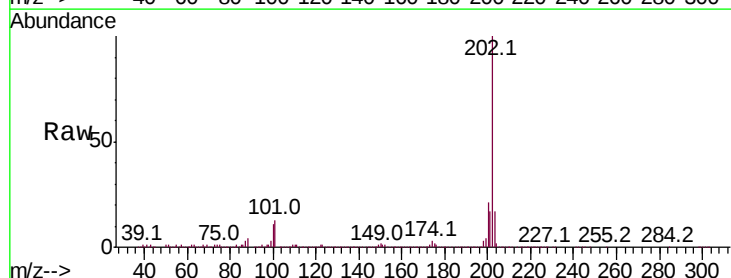
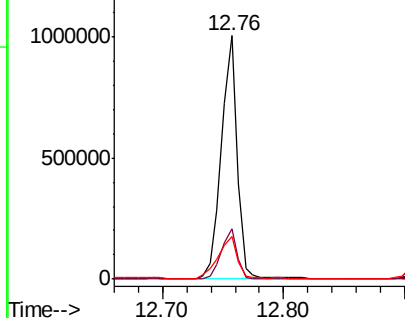
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.0	28.4
203	17.4	15.2	22.8

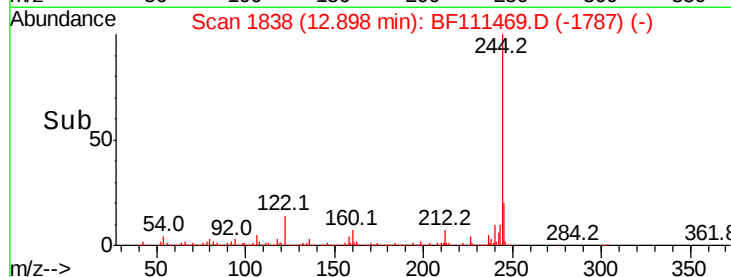
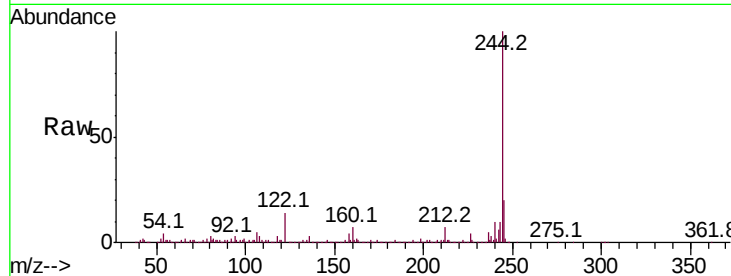
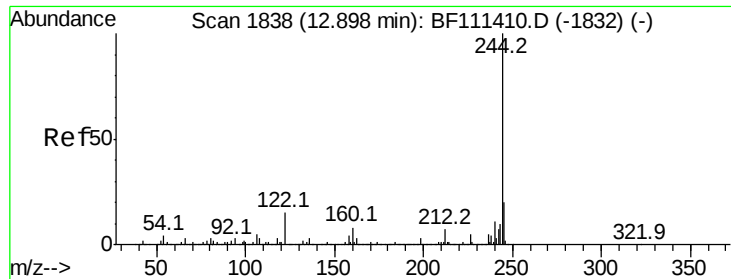
Abundance

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





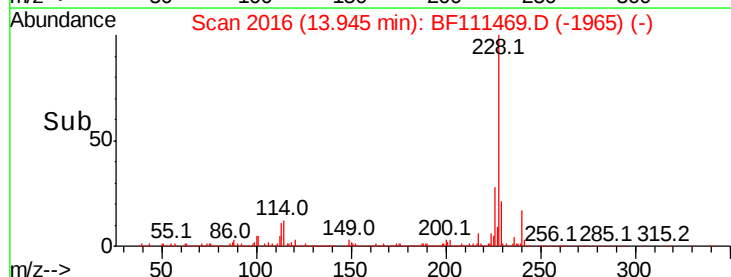
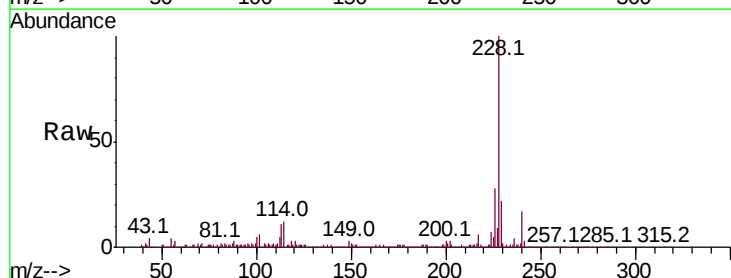
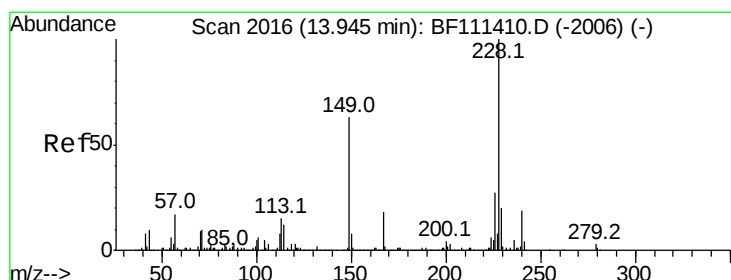
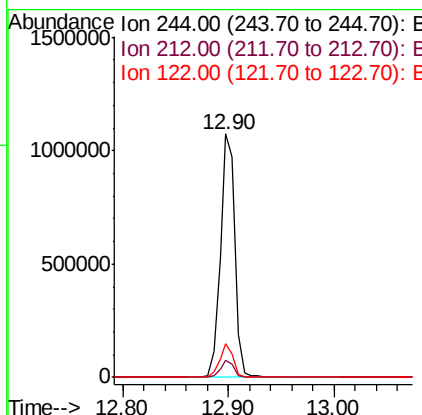
#79
Terphenyl-d14
Concen: 72.621 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tot Ion:244 Resp: 1040489
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 13.6 13.1 19.7

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

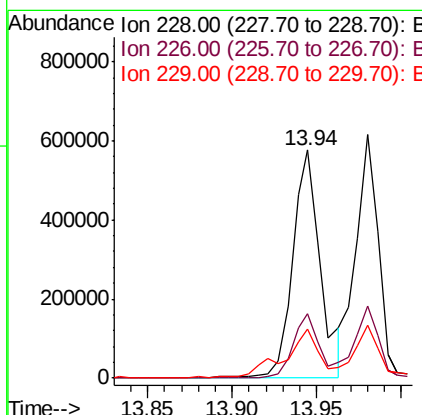
Manual Integrations
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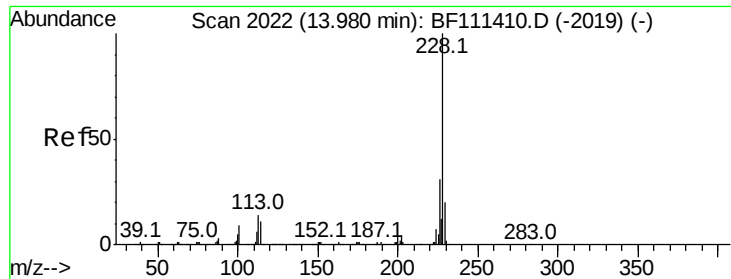
Sohil
12/17/2018 3:12:00 PM



#81
Benzo(a)anthracene
Concen: 35.862 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion:228 Resp: 656057
Ion Ratio Lower Upper
228 100
226 28.3 22.6 34.0
229 21.6 16.3 24.5





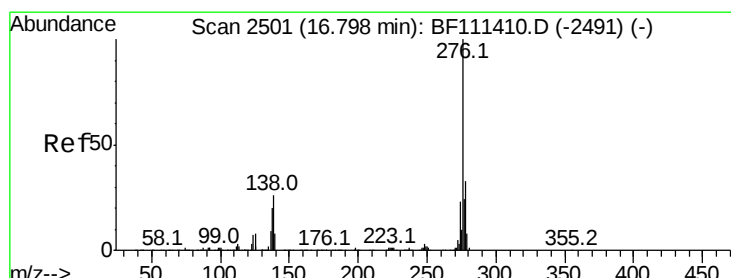
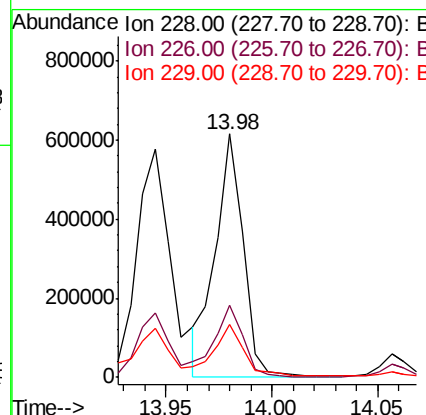
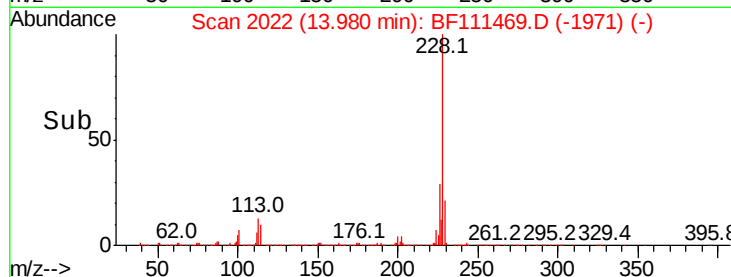
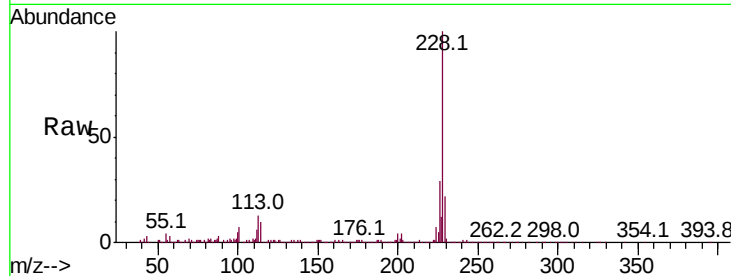
#83
Chrysene
Concen: 29.401 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.3	37.9
229	21.5	17.2	25.8

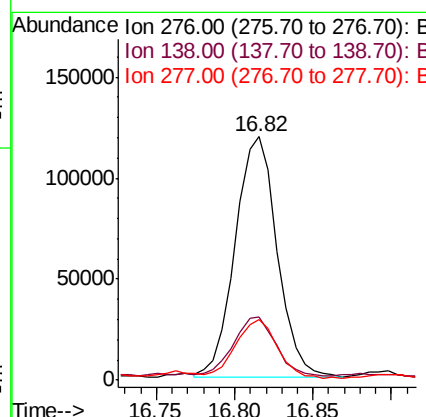
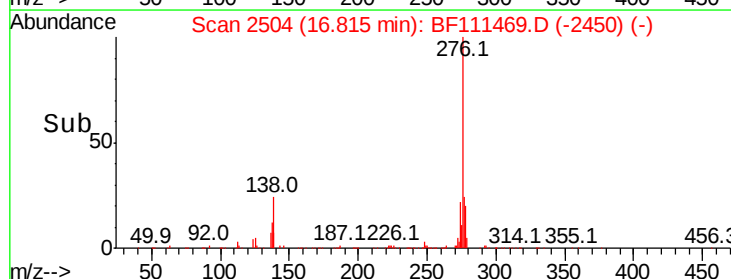
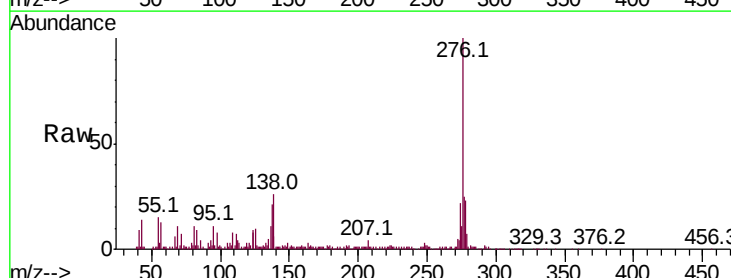
Manual Integrations
APPROVED

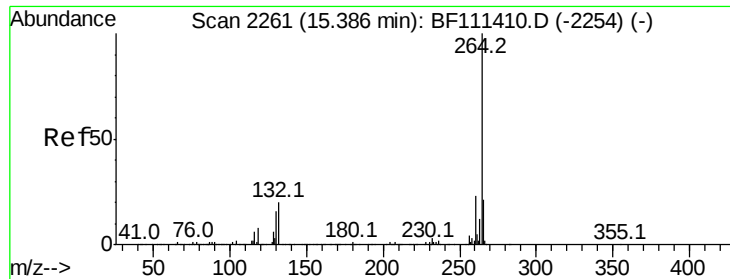
Sohil
12/17/2018 3:12:00 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 15.934 ng m
RT: 16.82 min Scan# 2504
Delta R.T. 0.02 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.8	27.8	41.6#
277	4.4	20.1	30.1#





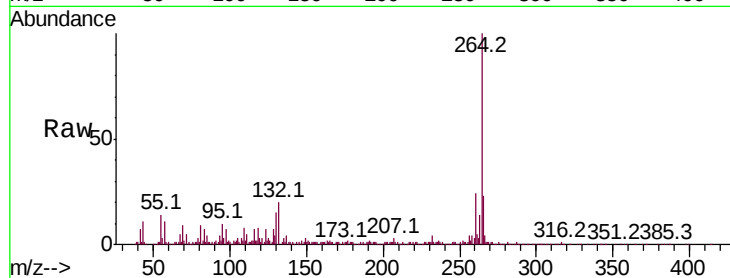
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.3	27.5
265	23.0	17.7	26.5

Manual Integrations
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12/17/2018 3:12:00 PM

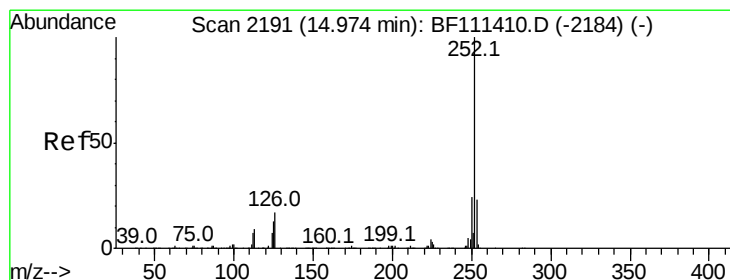
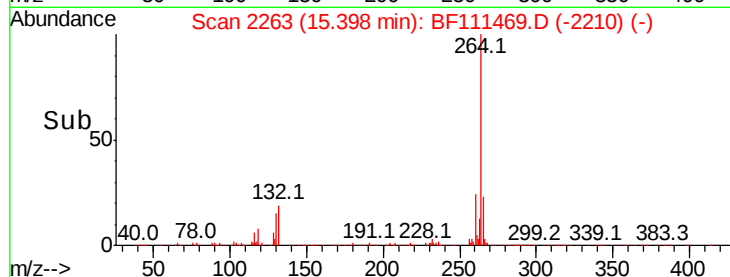
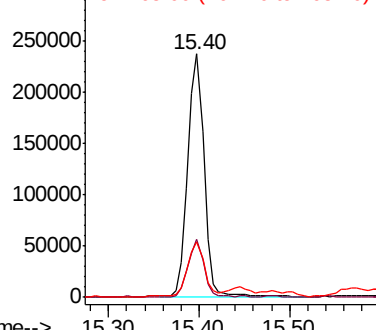


Abundance

Ion 264.00 (263.70 to 264.70): E

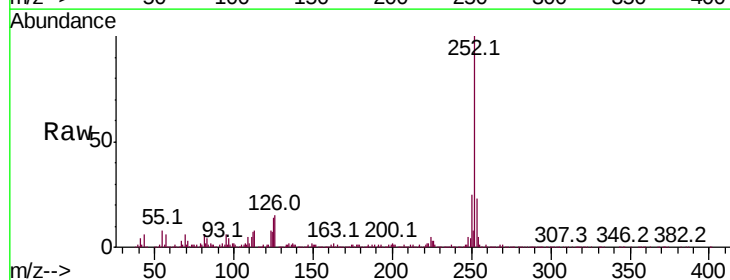
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 40.995 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.6	10.4	15.6

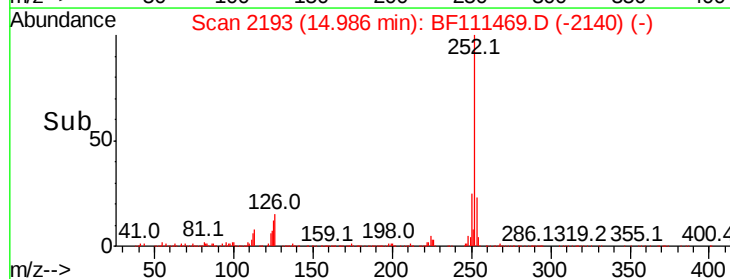
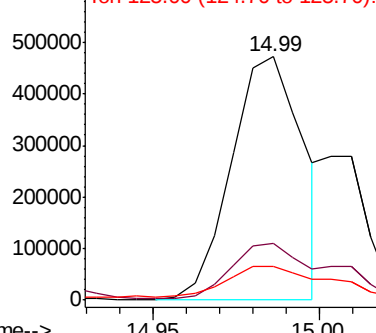


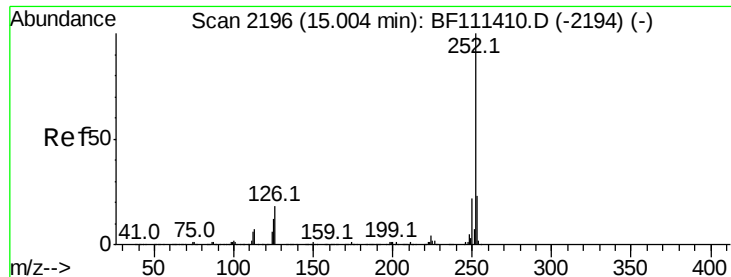
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 15.822 ng m

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Instrument :

BNA_F

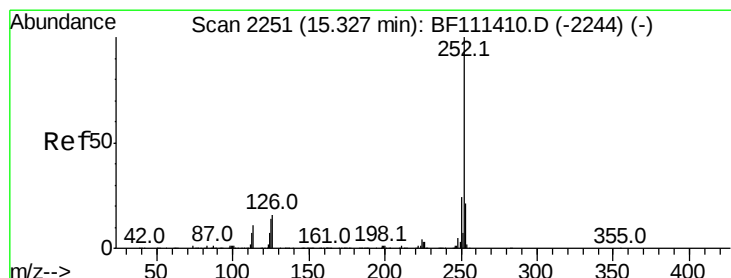
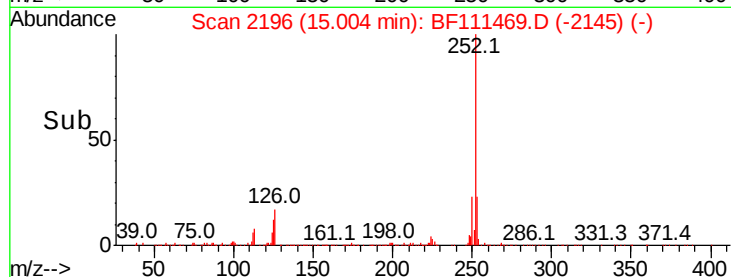
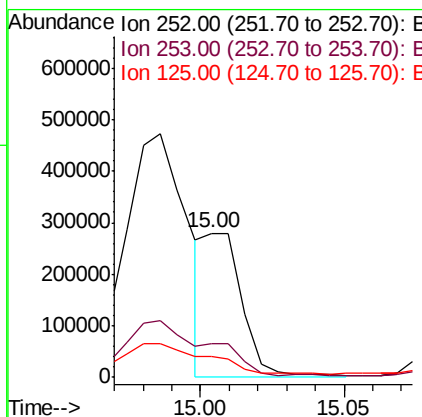
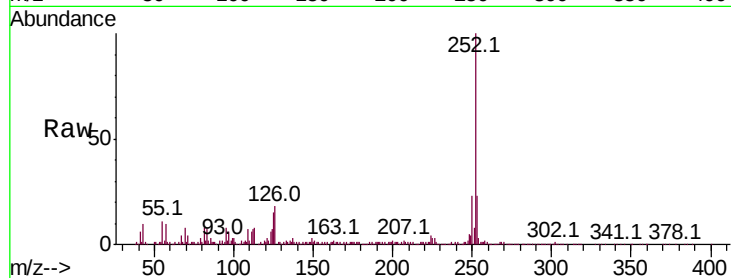
ClientSampleId :

BORING-SAMPLE-CBH-591

Tot Ion:	252	Resp:	260656
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	14.7	9.8	14.8

Manual Integrations
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Sohil
12/17/2018 3:12:00 PM



#90

Benzo(a)pyrene

Concen: 30.907 ng

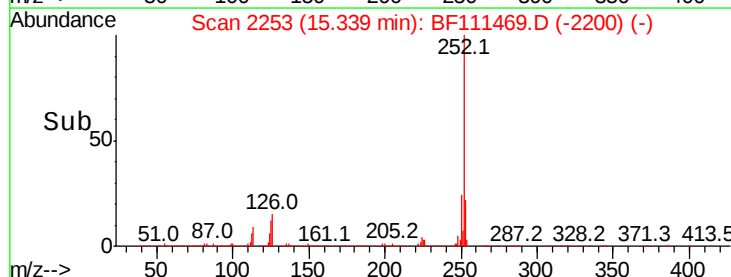
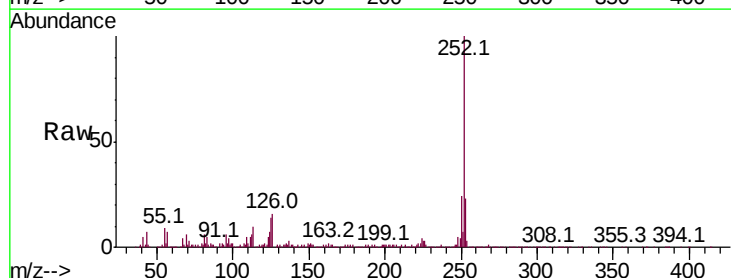
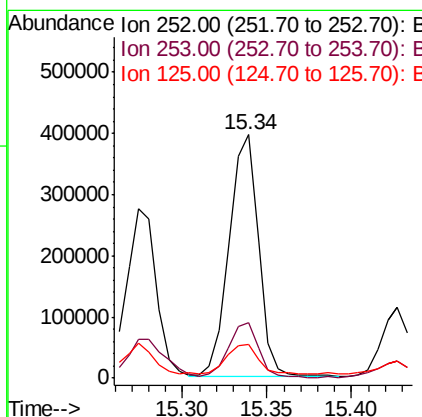
RT: 15.34 min Scan# 2253

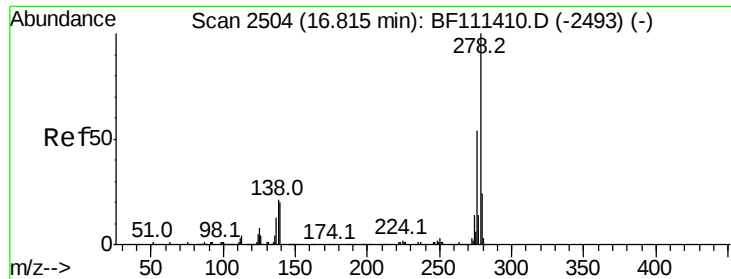
Delta R.T. 0.01 min

Lab File: BF111469.D

Acq: 15 Dec 2018 15:31

Tgt Ion:	252	Resp:	480529
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	13.9	12.3	18.5





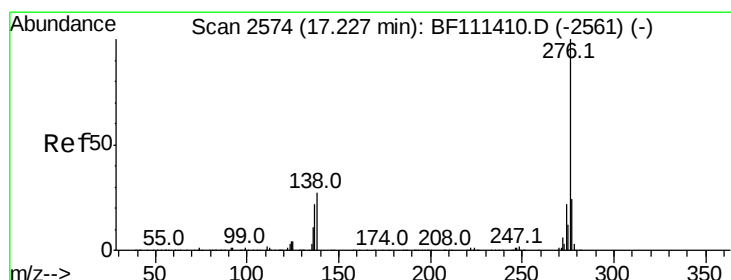
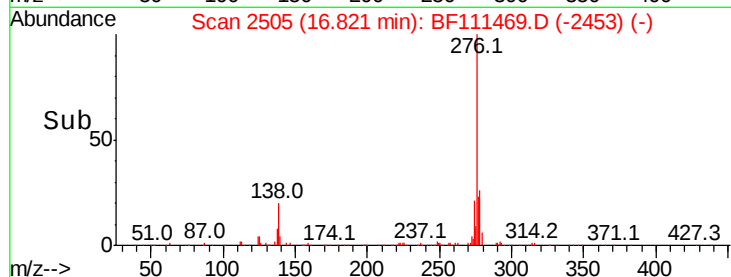
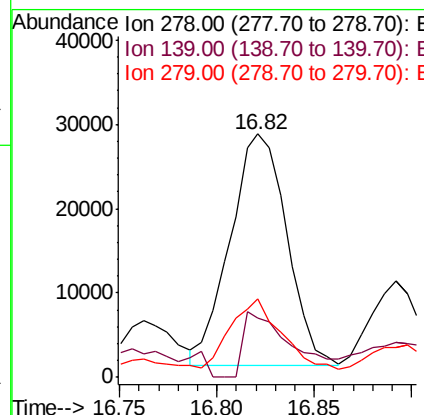
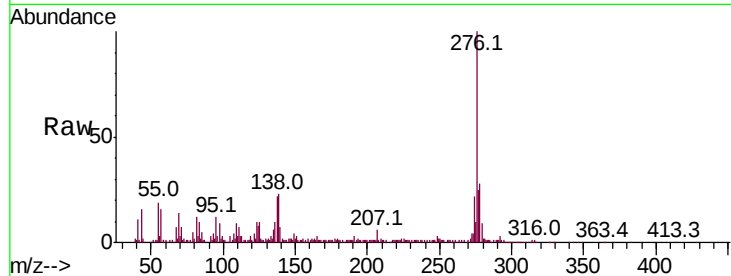
#91
Dibenzo(a,h)anthracene
Concen: 4.571 ng m
RT: 16.82 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-CBH-591

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.2	18.2	27.4
279	32.5	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/17/2018 3:12:00 PM



#92
Benzo(g,h,i)perylene
Concen: 16.517 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.02 min
Lab File: BF111469.D
Acq: 15 Dec 2018 15:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	25.5	24.9	37.3

