

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110110.D
 Acq On : 24 Oct 2018 13:04
 Operator : JU/SJ
 Sample : J5610-04 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(6-8)

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:41 AM

Quant Time: Oct 25 03:47:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	156806	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	583545	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	232497	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	379466	20.00	ng	-0.02
76) Chrysene-d12	14.15	240	337105	20.00	ng	-0.01
87) Perylene-d12	15.68	264	252616	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	432663	44.93	ng	-0.02
7) Phenol-d6	6.58	99	537520	43.64	ng	-0.02
23) Nitrobenzene-d5	7.52	82	318675	32.39	ng	-0.03
42) 2,4,6-Tribromophenol	10.80	330	91651	39.80	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	555191	37.50	ng	-0.02
79) Terphenyl-d14	13.09	244	436308	26.92	ng	-0.02
Target Compounds						
10) Phenol	6.59	94	47348	3.596	ng	Qvalue # 64
49) Acenaphthylene	9.87	152	52059	2.337	ng	97
50) Dimethylphthalate	9.72	163	82554	4.810	ng	98
71) Phenanthrene	11.52	178	185631	9.349	ng	99
72) Anthracene	11.57	178	52817	2.654	ng	98
75) Fluoranthene	12.72	202	337478	16.747	ng	98
78) Pyrene	12.95	202	301164	12.462	ng	98
81) Benzo(a)anthracene	14.14	228	165795	8.293	ng	93
83) Chrysene	14.17	228	162989	8.584	ng	96
84) Bis(2-ethylhexyl)phthalate	14.11	149	161216	11.369	ng	94
86) Indeno(1,2,3-cd)pyrene	17.23	276	73944	4.694	ng	95
88) Benzo(b)fluoranthene	15.22	252	191936m	13.157	ng	
89) Benzo(k)fluoranthene	15.25	252	71171m	4.963	ng	
90) Benzo(a)pyrene	15.61	252	118992	8.865	ng	# 96
92) Benzo(a,h,i)perylene	17.71	276	67747	5.936	ng	# 93

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

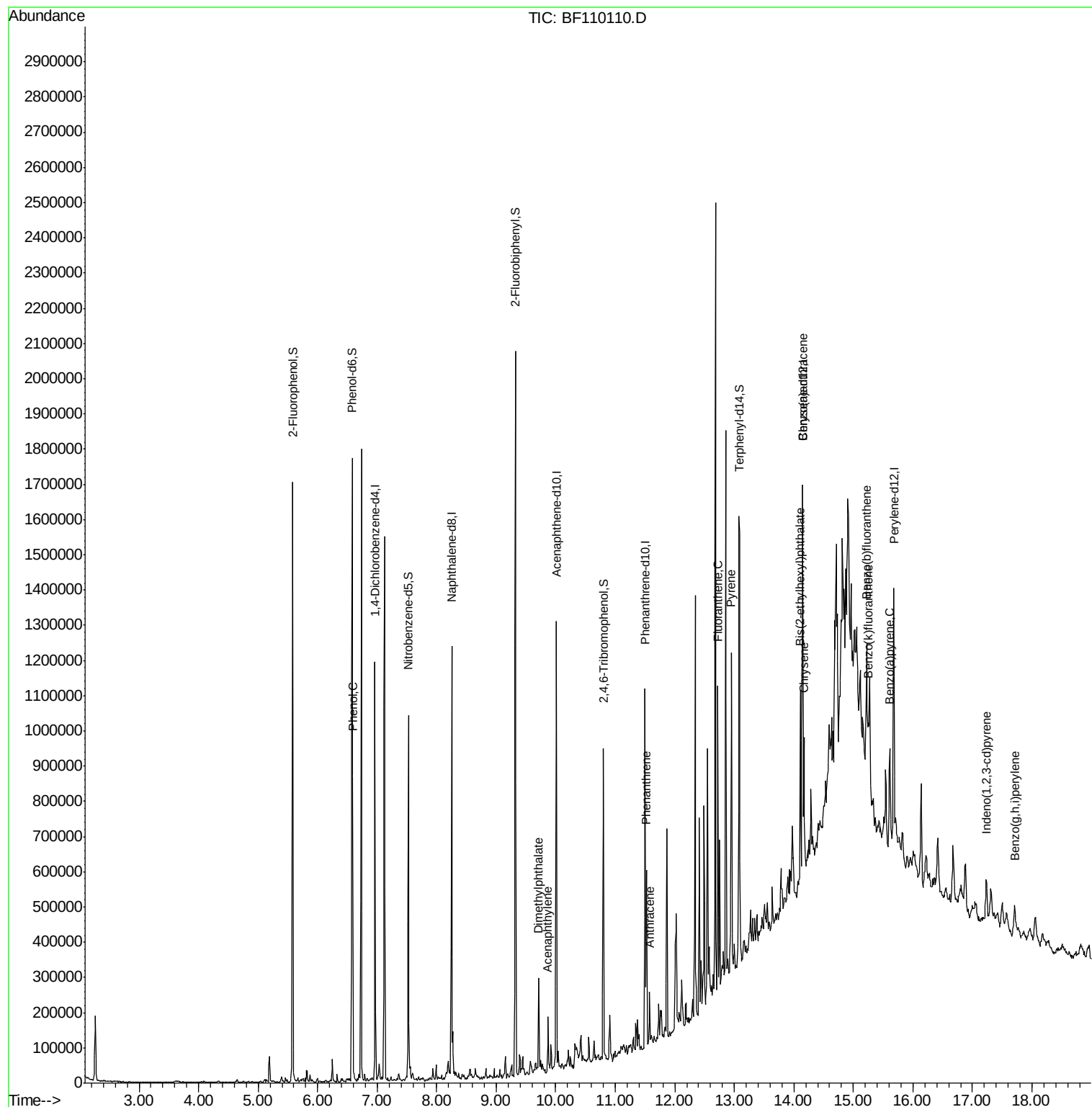
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110110.D
Acq On : 24 Oct 2018 13:04
Operator : JU/SJ
Sample : J5610-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

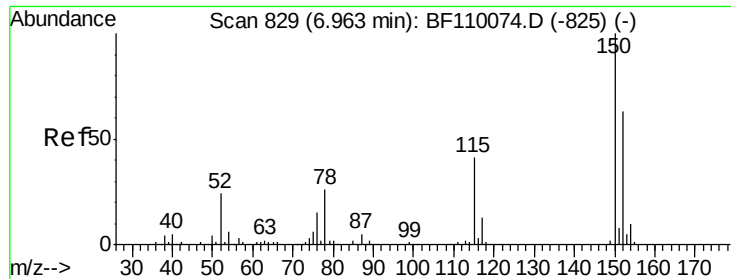
Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Quant Time: Oct 25 03:47:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM





#1

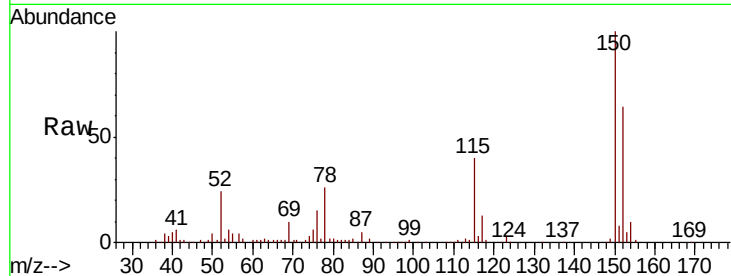
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.7	184.1
115	62.4	49.1	73.7

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM

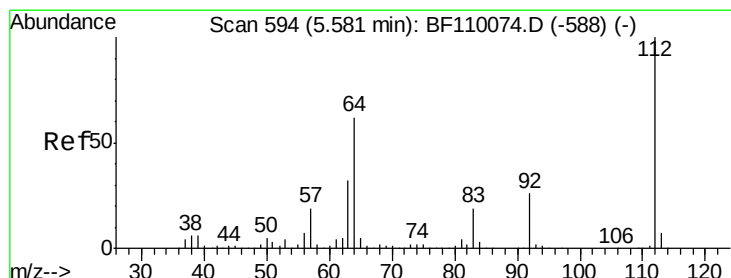
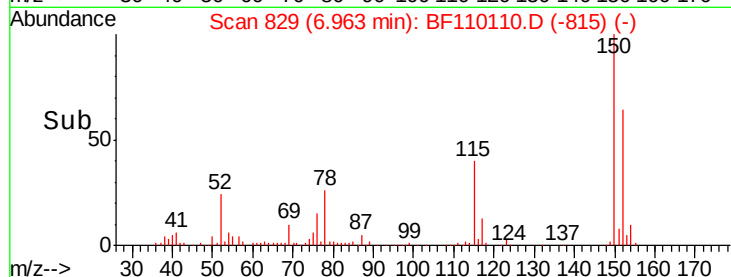
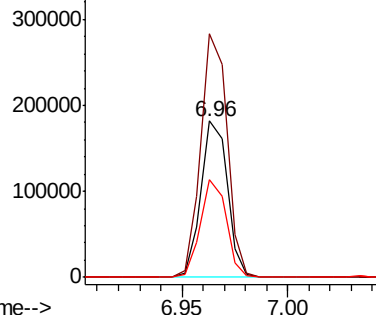


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

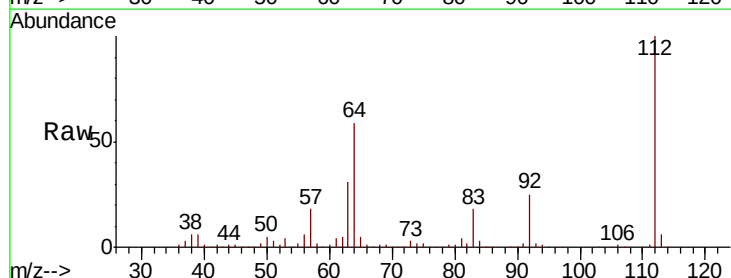
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.933 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	44.1	66.1
63	30.8	23.7	35.5

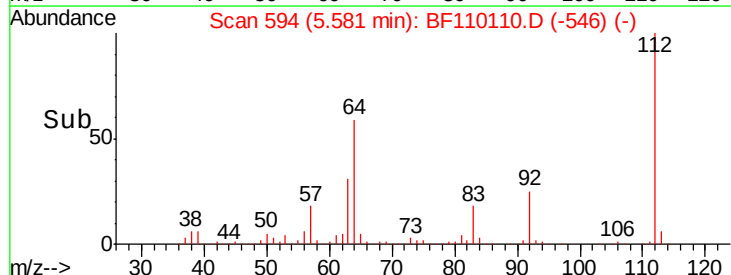
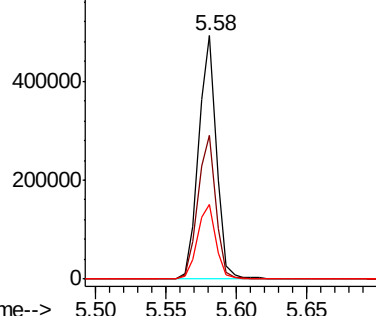


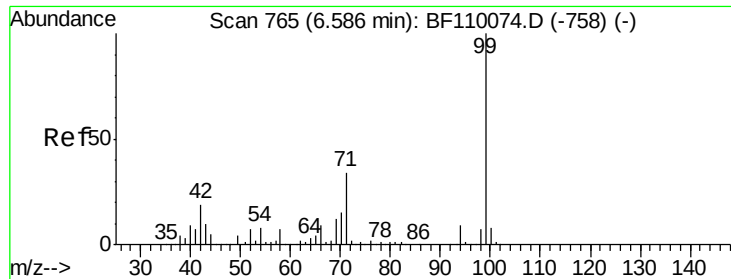
Abundance

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: 43.643 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110110.D

Acq: 24 Oct 2018 13:04

Instrument :

BNA_F

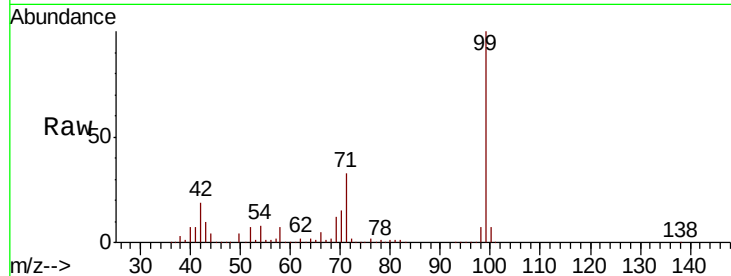
ClientSampled :

SB-2(6-8)

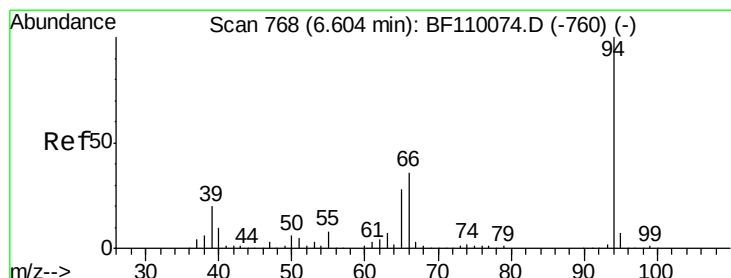
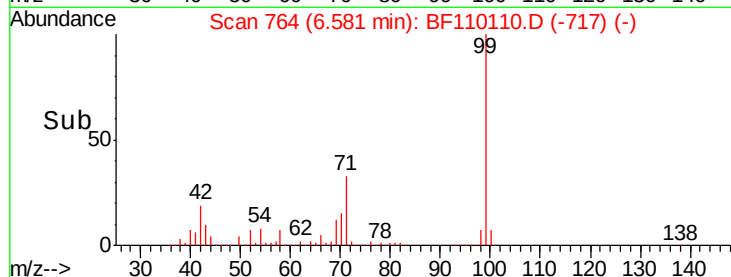
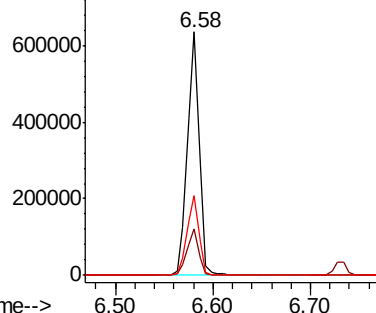
Tot Ion:	99	Resp:	537520
Ion Ratio	Lower	Upper	
99	100		
42	19.2	15.8	23.6
71	33.0	28.0	42.0

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.596 ng

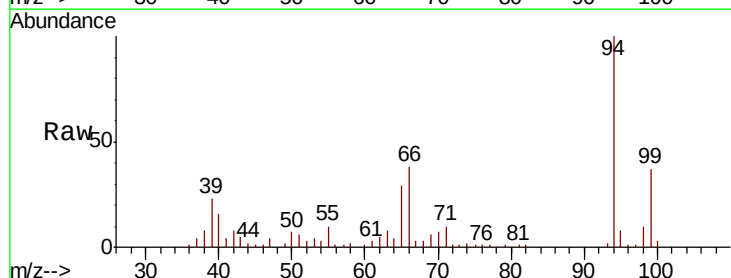
RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

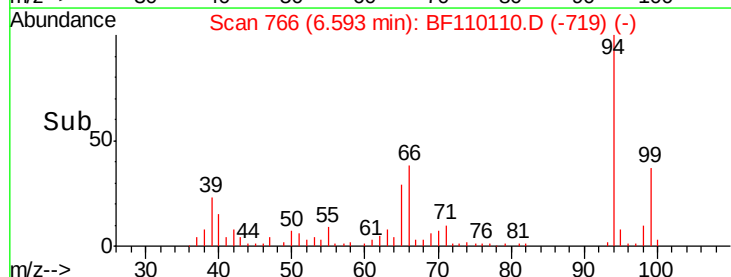
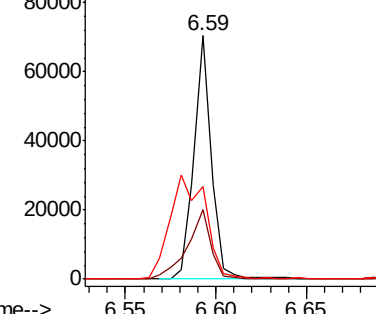
Lab File: BF110110.D

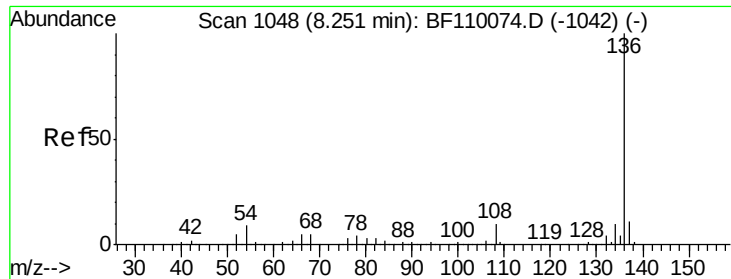
Acq: 24 Oct 2018 13:04

Tgt Ion:	94	Resp:	47348
Ion Ratio	Lower	Upper	
94	100		
65	28.5	25.3	65.3
66	38.0	54.5	94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





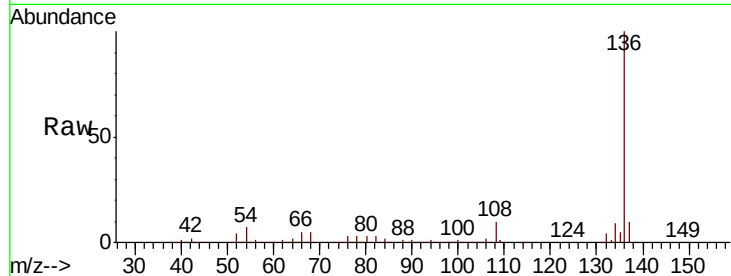
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampled :
SB-2(6-8)

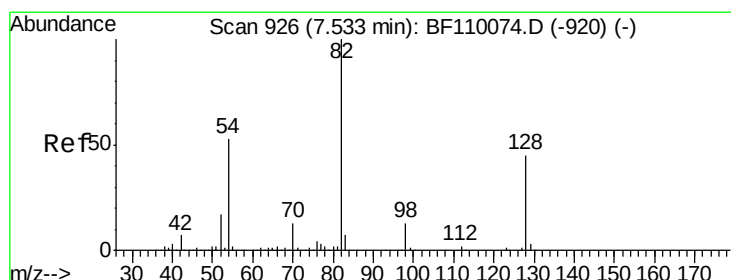
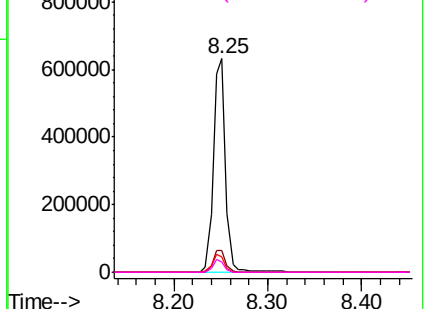
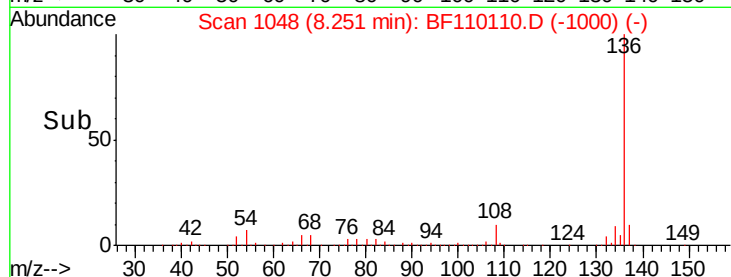
Tot Ion	Ratio	Resp	Lower	Upper
136	100	583545		
137	10.3		8.8	13.2
54	7.4		5.4	8.2
68	5.0		4.2	6.2

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM

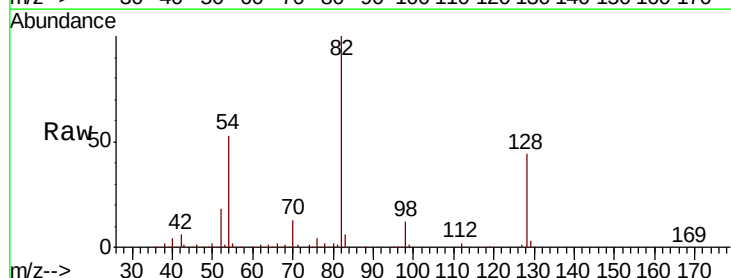


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

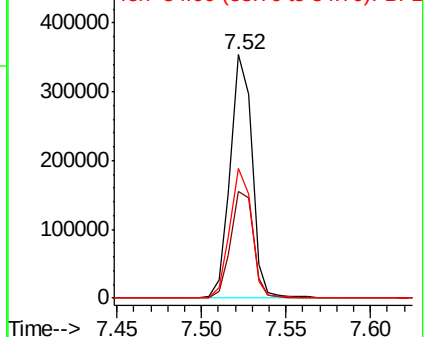
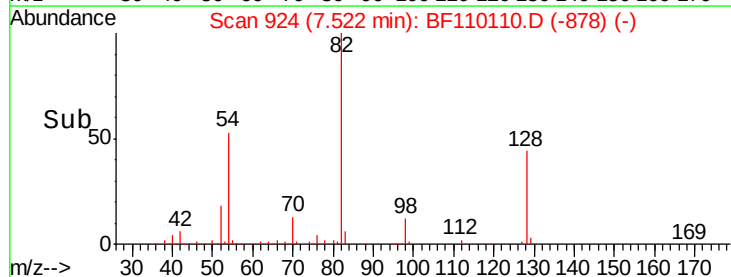


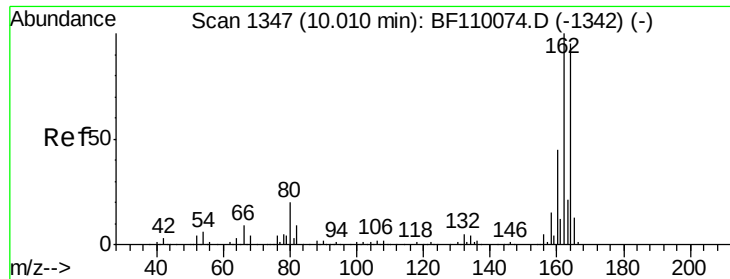
#23
Nitrobenzene-d5
Concen: 32.391 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.03 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	318675		
128	43.7		34.2	51.2
54	53.3		38.6	58.0



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





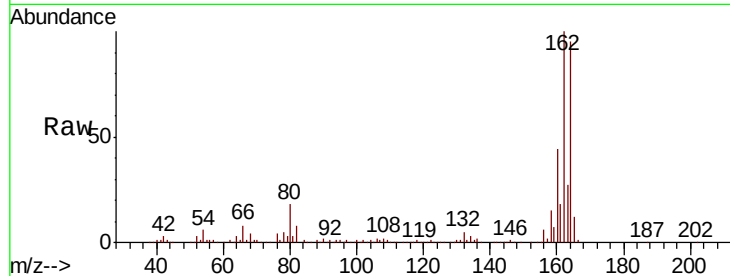
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampled :
SB-2(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.4	83.0	124.6	
160	46.5	37.0	55.6	

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM

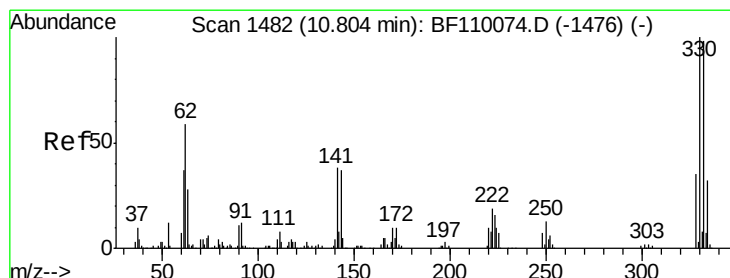
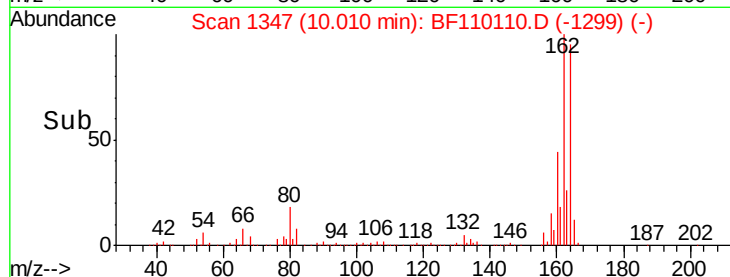
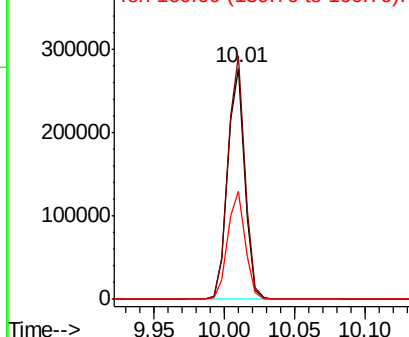


Abundance

Ion 164.00 (163.70 to 164.70): E

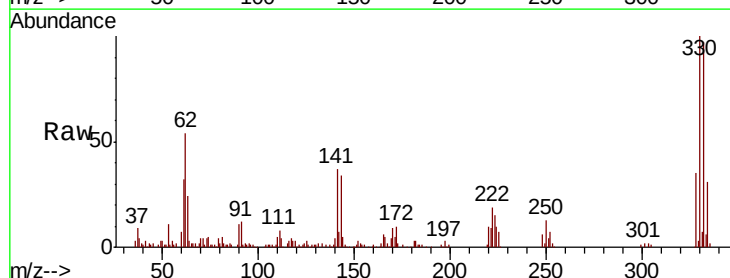
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 39.796 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	77.1	115.7	
141	39.3	27.0	40.4	

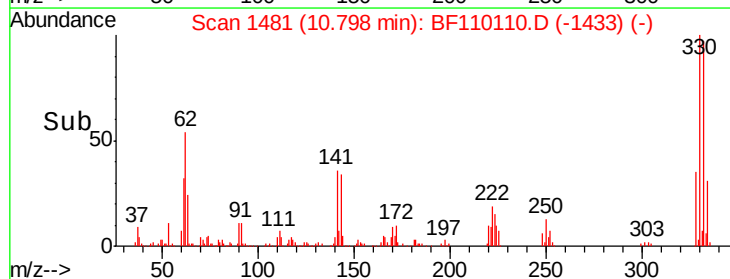
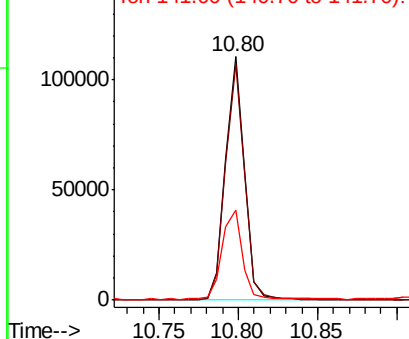


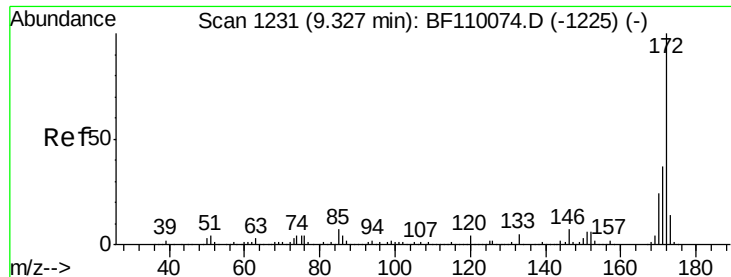
Abundance

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





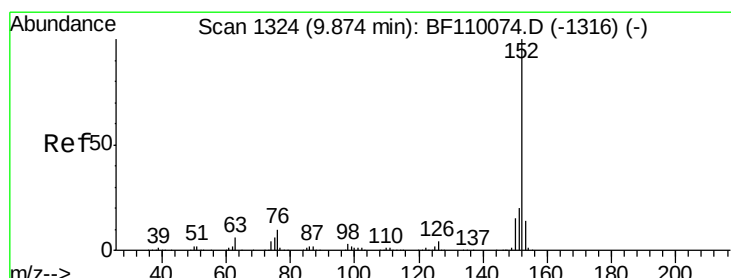
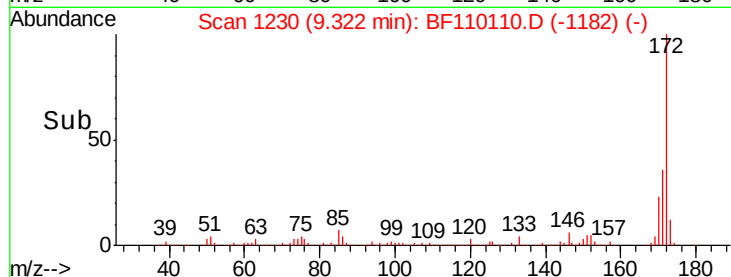
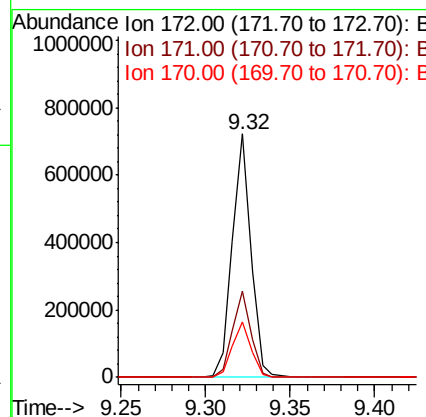
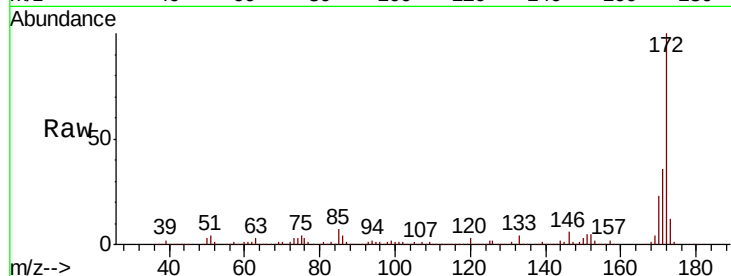
#45
2-Fluorobiphenyl
Concen: 37.497 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	555191		
171	35.5		28.6	43.0
170	22.8		19.7	29.5

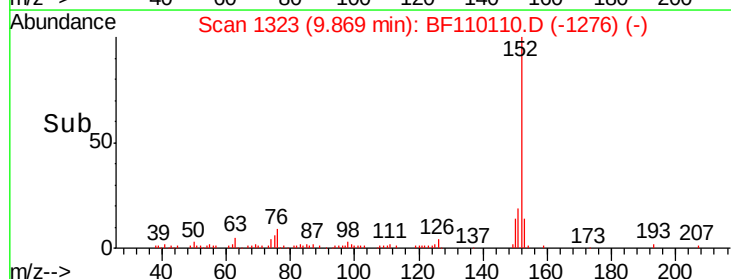
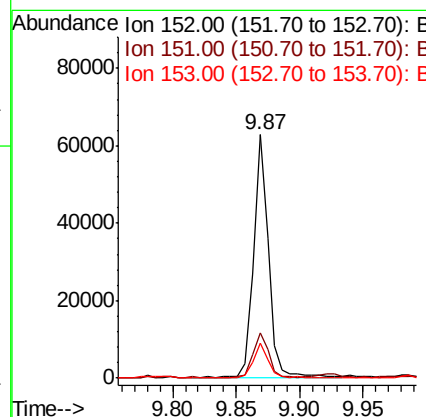
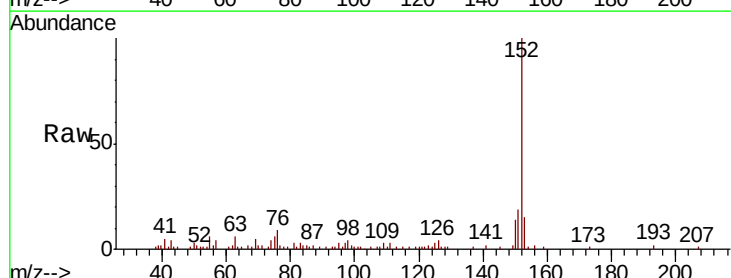
Manual Integrations
APPROVED

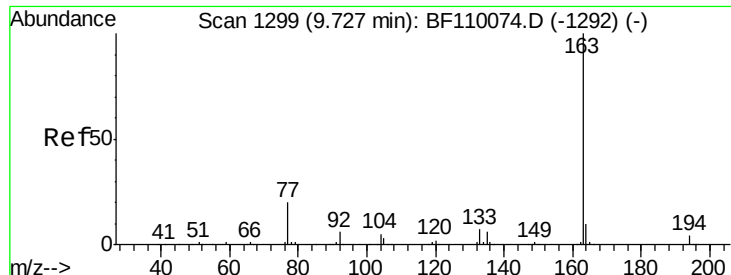
Sohil
10/25/2018 11:15:41 AM



#49
Acenaphthylene
Concen: 2.337 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	52059		
151	18.6		15.8	23.8
153	14.5		10.4	15.6





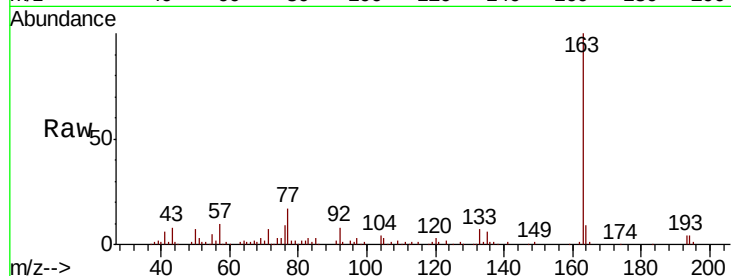
#50
Dimethylphthalate
Concen: 4.810 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.2	4.8
164	9.3	8.1	12.1

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM

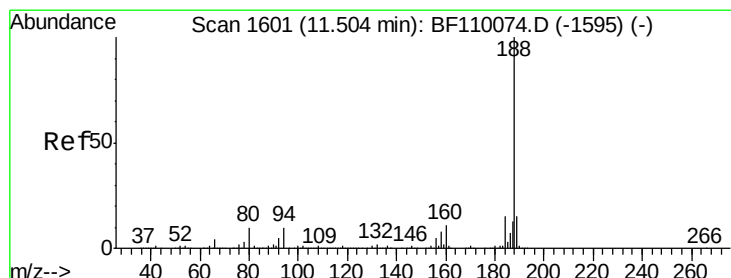
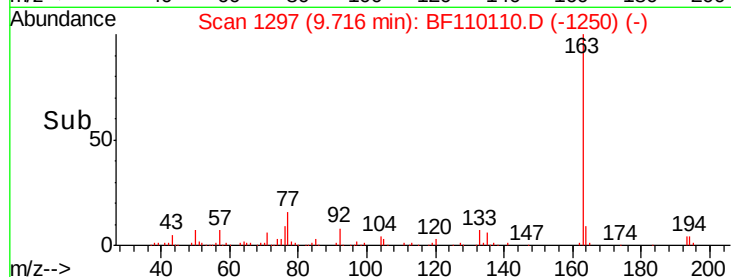
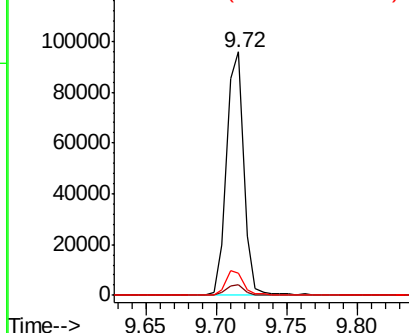


Abundance

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



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

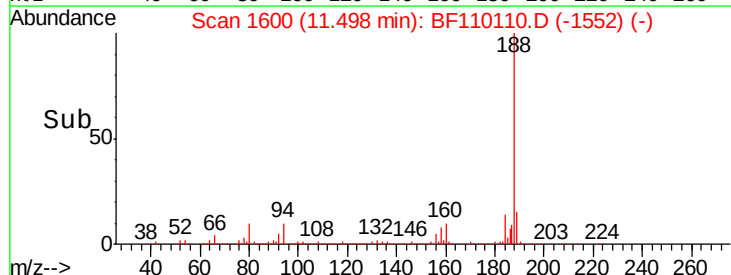
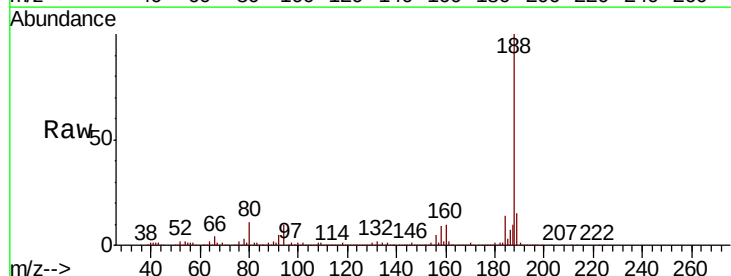
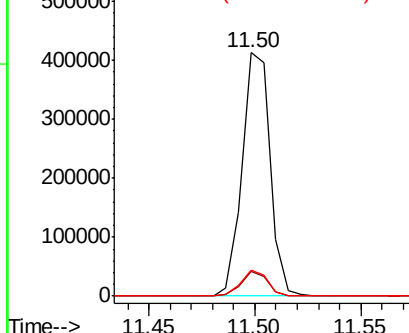
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.2	10.8
80	10.5	7.9	11.9

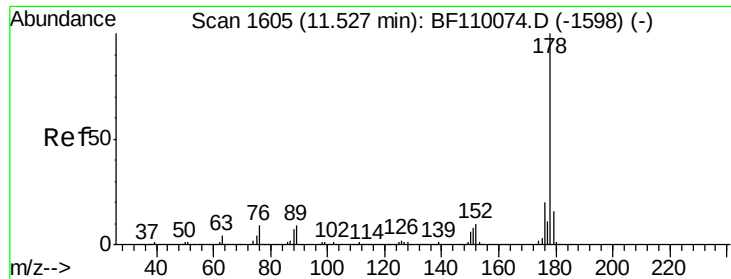
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





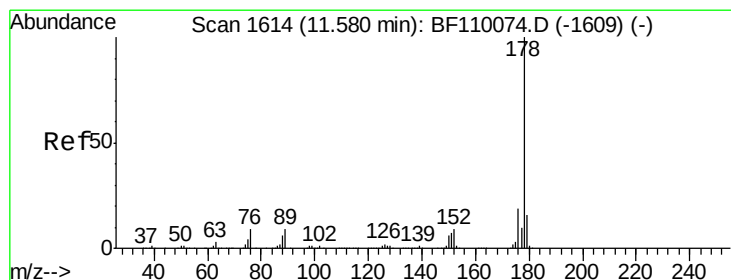
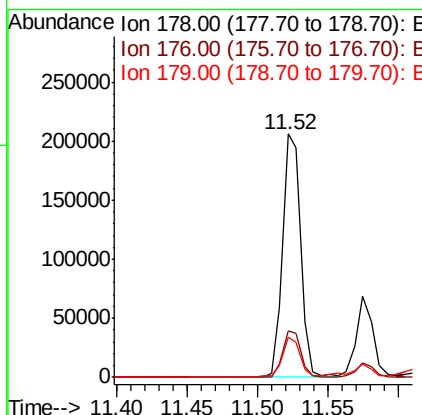
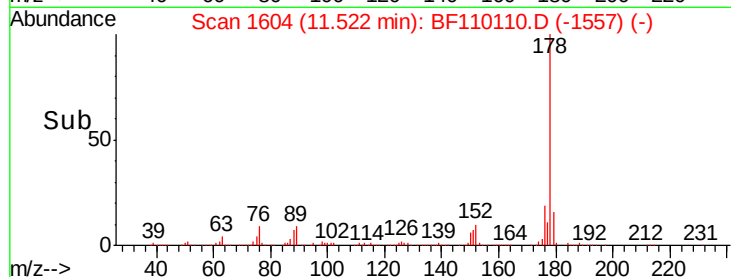
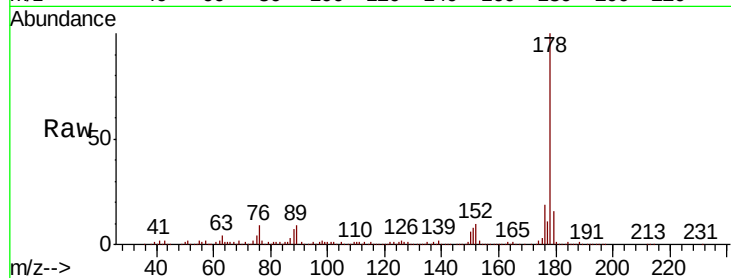
#71
Phenanthrene
Concen: 9.349 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampleID :
SB-2(6-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	16.2	12.5	18.7

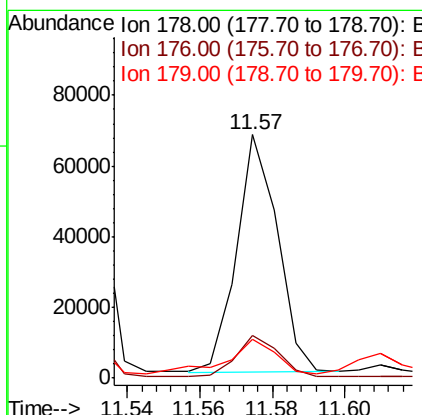
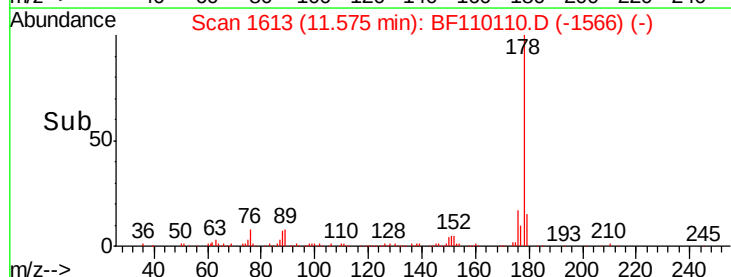
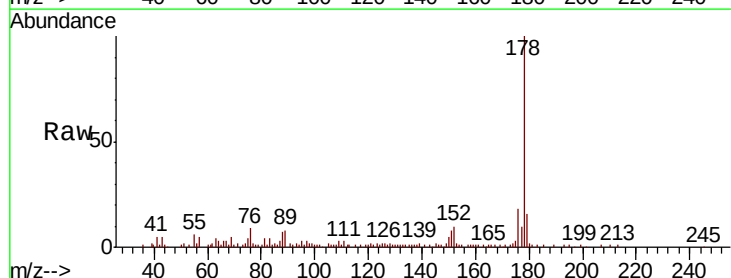
Manual Integrations
APPROVED

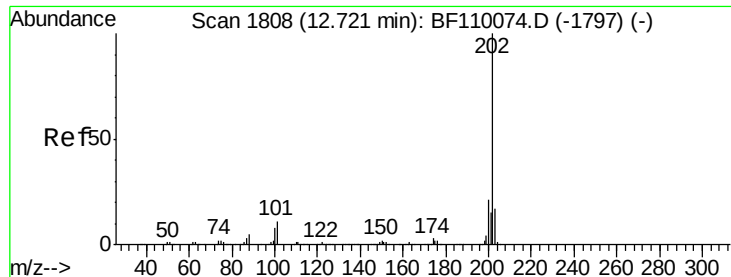
Sohil
10/25/2018 11:15:41 AM



#72
Anthracene
Concen: 2.654 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.1	12.6	18.8





#75

Fluoranthene

Concen: 16.747 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110110.D

Acq: 24 Oct 2018 13:04

Instrument :

BNA_F

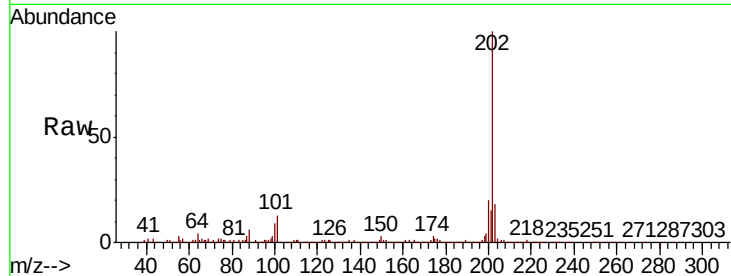
ClientSampleId :

SB-2(6-8)

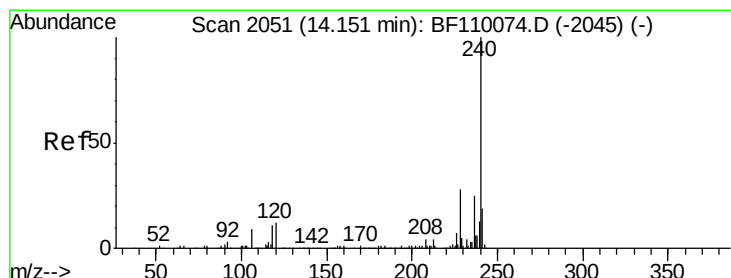
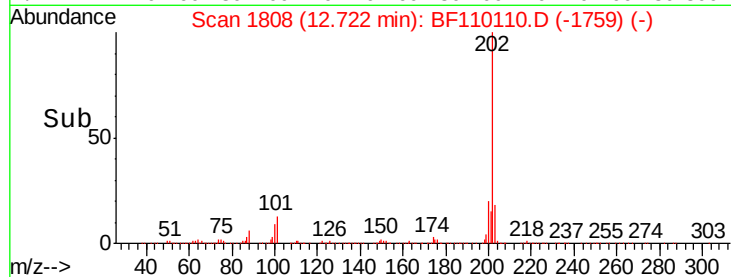
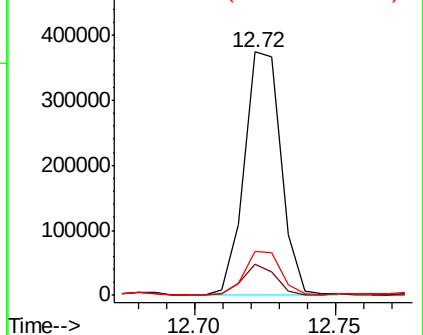
Tot Ion:	202	Resp:	337478
Ion Ratio		Lower	Upper
202	100		
101	12.6	0.0	31.4
203	18.1	0.0	37.7

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

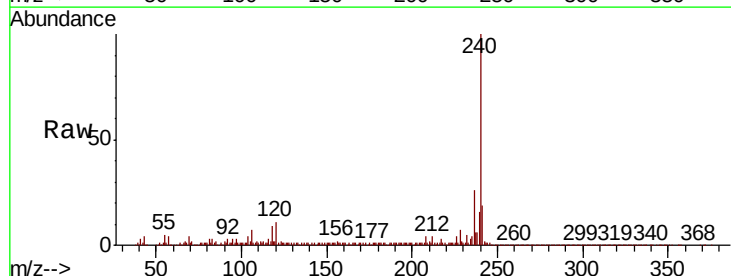
RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

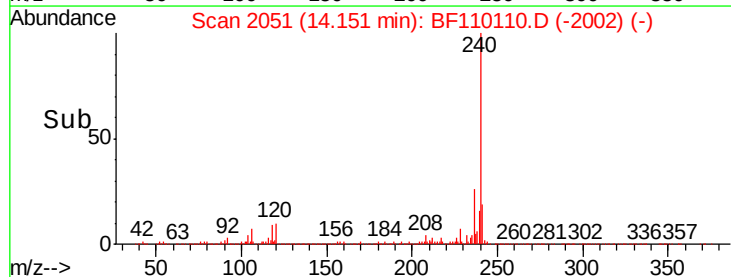
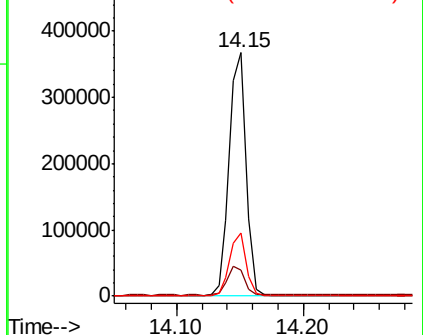
Lab File: BF110110.D

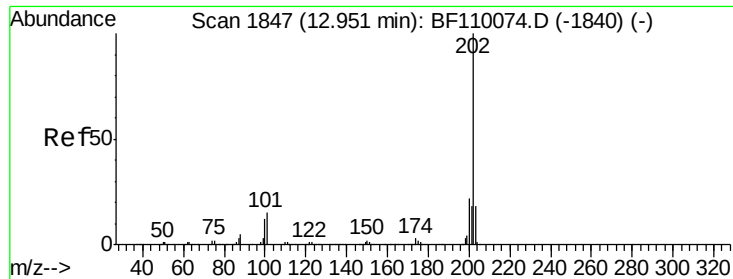
Acq: 24 Oct 2018 13:04

Tgt Ion:	240	Resp:	337105
Ion Ratio		Lower	Upper
240	100		
120	10.8	8.3	12.5
236	26.0	21.2	31.8



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

Pvrene

Concen: 12.462 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110110.D

Acq: 24 Oct 2018 13:04

Instrument :

BNA_F

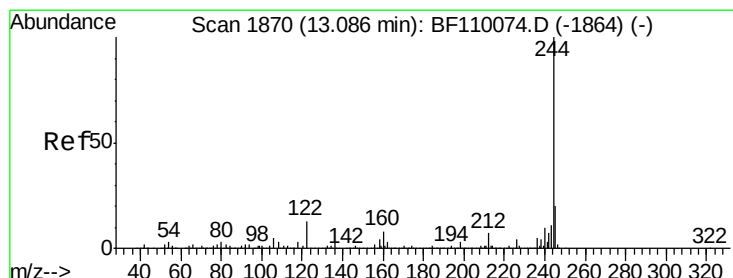
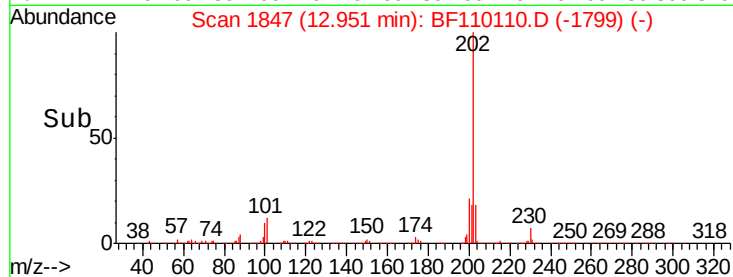
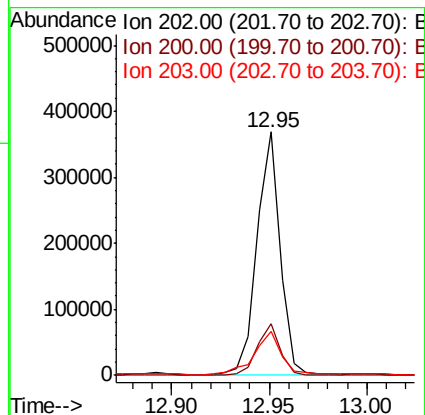
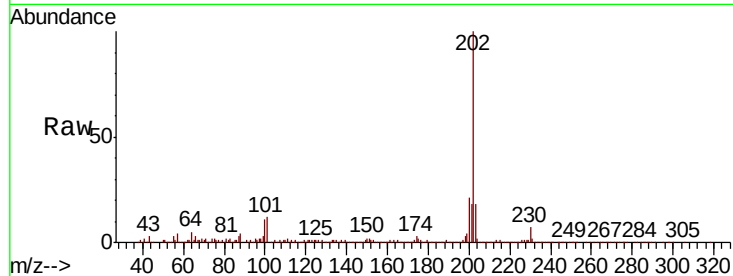
ClientSampleId :

SB-2(6-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.9	17.8	26.6		
203	18.1	14.2	21.4		

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM



#79

Terphenyl-d14

Concen: 26.917 ng

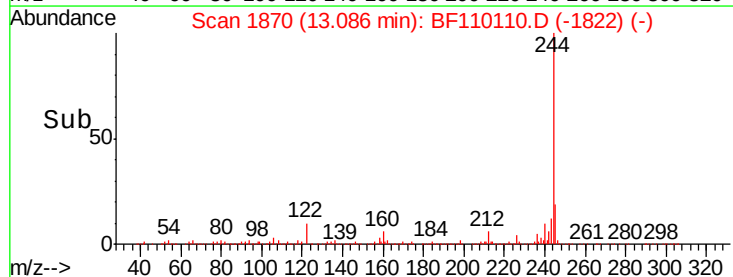
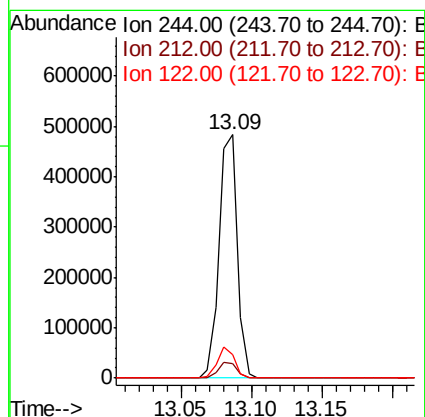
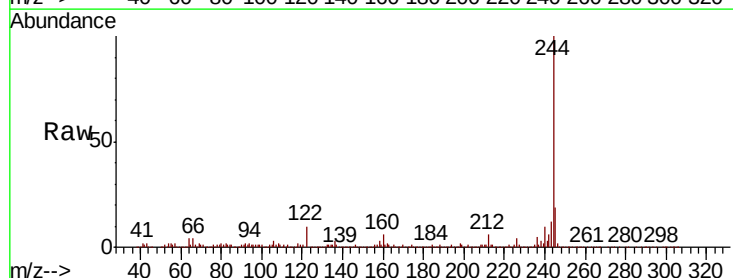
RT: 13.09 min Scan# 1870

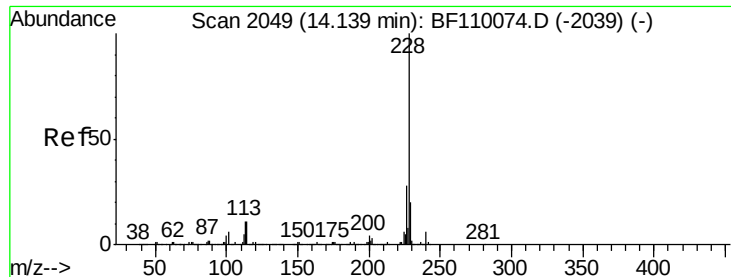
Delta R.T. -0.02 min

Lab File: BF110110.D

Acq: 24 Oct 2018 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.1	5.8	8.8		
122	9.9	8.7	13.1		





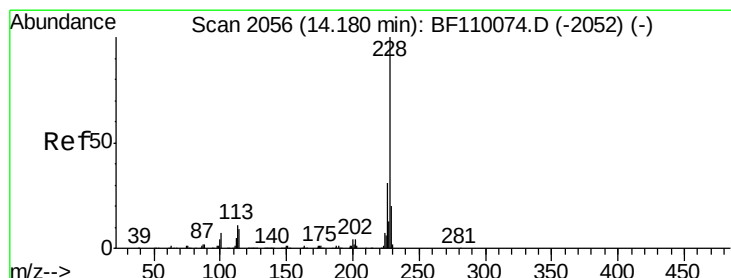
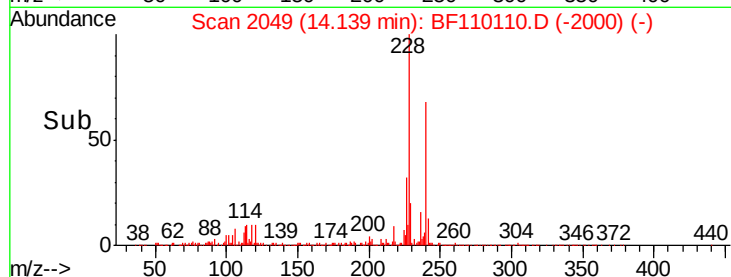
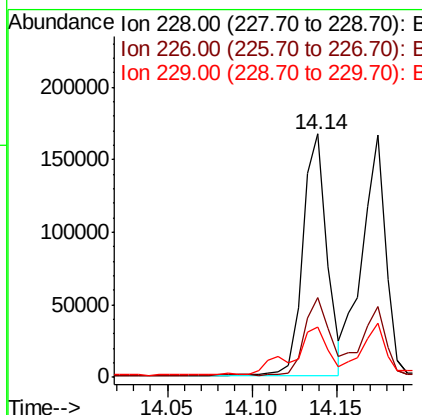
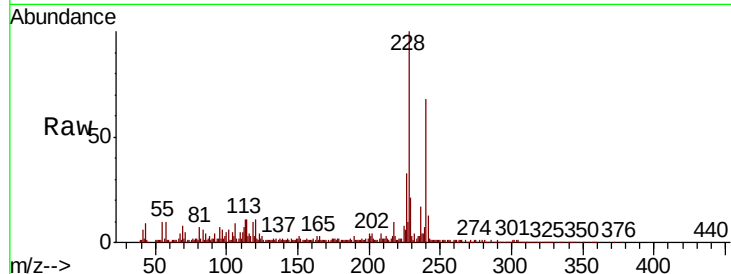
#81
Benzo(a)anthracene
Concen: 8.293 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.1	33.1
229	20.7	15.6	23.4

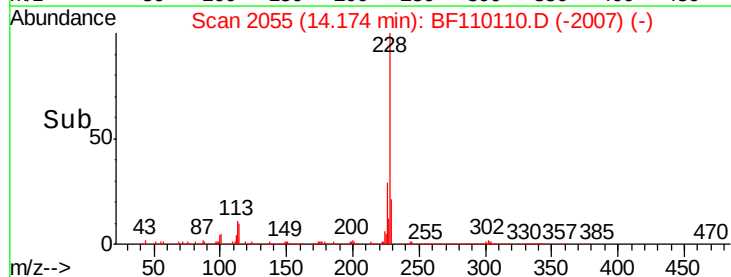
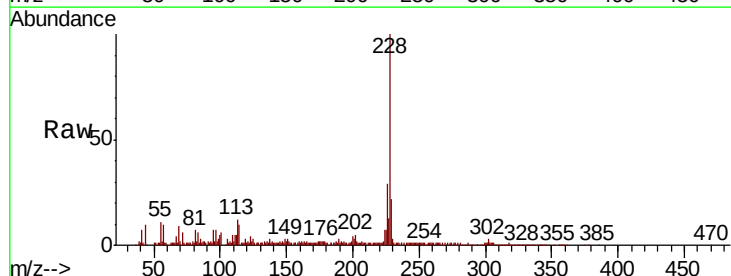
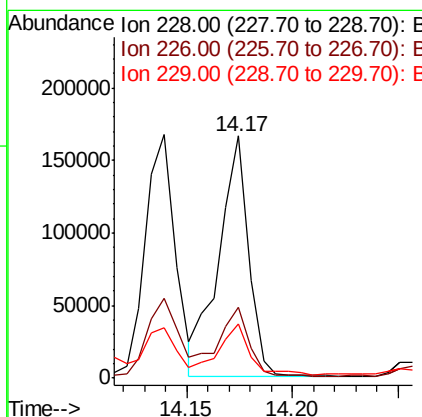
Manual Integrations
APPROVED

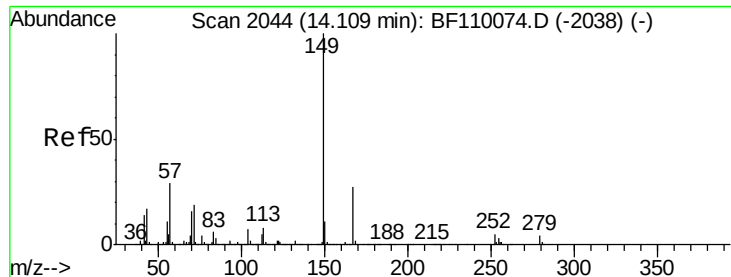
Sohil
10/25/2018 11:15:41 AM



#83
Chrysene
Concen: 8.584 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.7	37.1
229	22.3	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 11.369 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110110.D

Acq: 24 Oct 2018 13:04

Instrument :

BNA_F

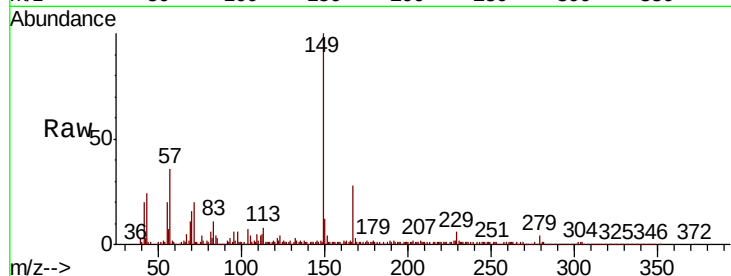
ClientSampled :

SB-2(6-8)

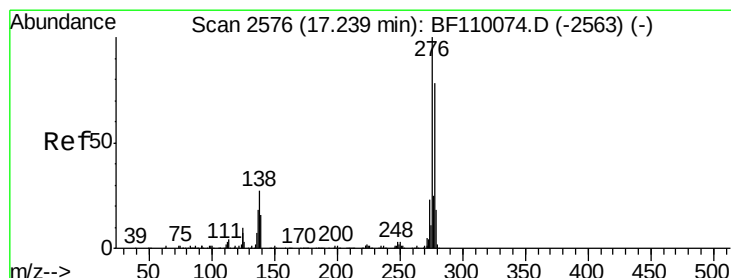
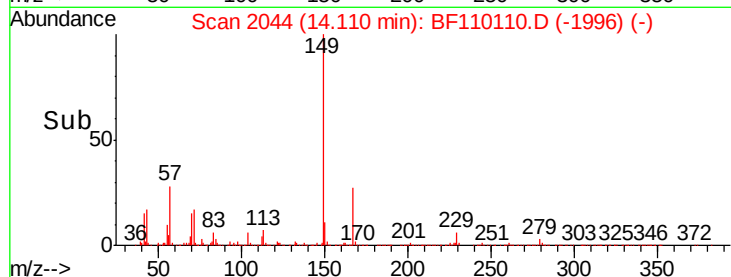
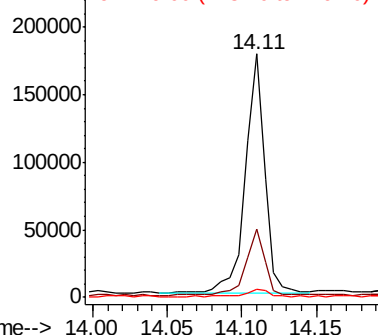
Tot Ion:	149	Resp:	161216
Ion Ratio	Lower	Upper	
149	100		
167	28.0	19.8	29.8
279	3.5	2.7	4.1

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.694 ng

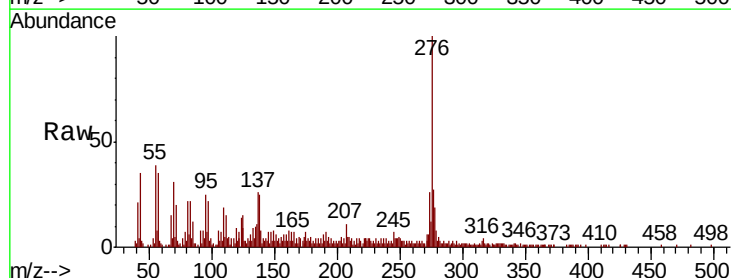
RT: 17.23 min Scan# 2575

Delta R.T. -0.03 min

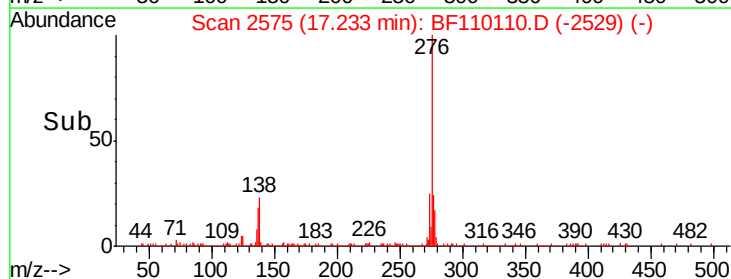
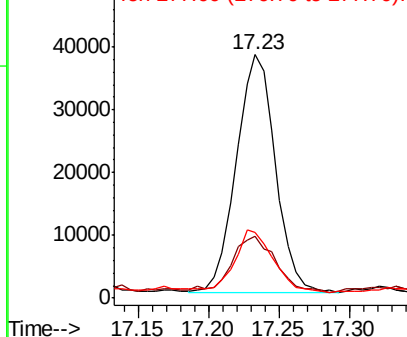
Lab File: BF110110.D

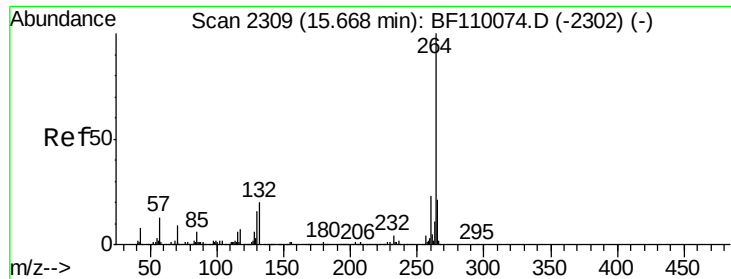
Acq: 24 Oct 2018 13:04

Tgt Ion:	276	Resp:	73944
Ion Ratio	Lower	Upper	
276	100		
138	26.4	18.5	27.7
277	26.6	20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110110.D

Acq: 24 Oct 2018 13:04

Instrument :

BNA_F

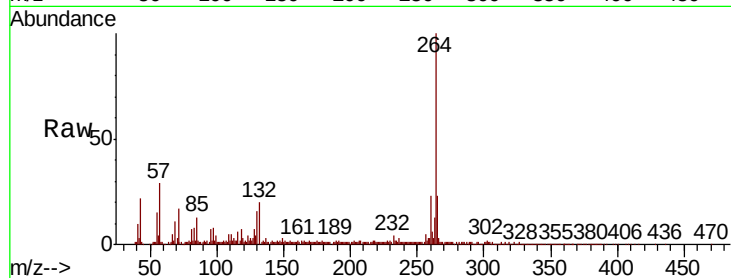
ClientSampled :

SB-2(6-8)

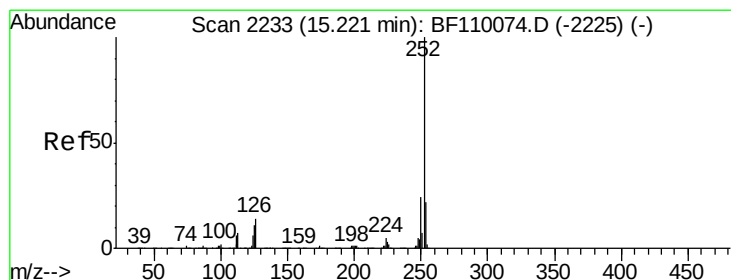
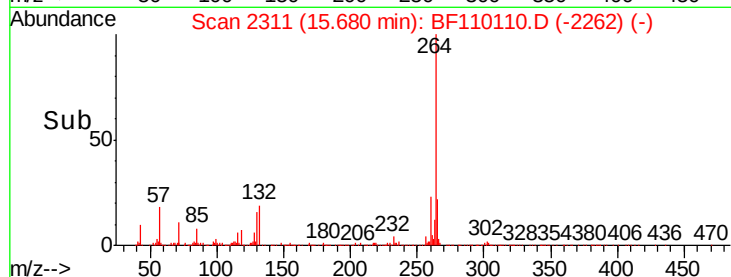
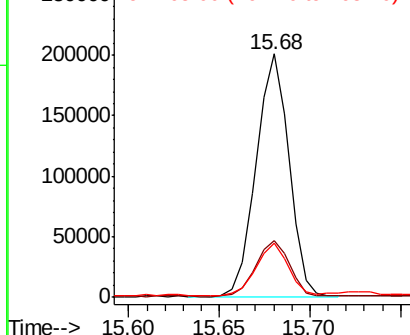
Tot Ion:	264	Resp:	252616
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.7	28.1
265	22.5	16.7	25.1

Manual Integrations
APPROVED

Sohil
10/25/2018 11:15:41 AM



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: 13.157 ng m

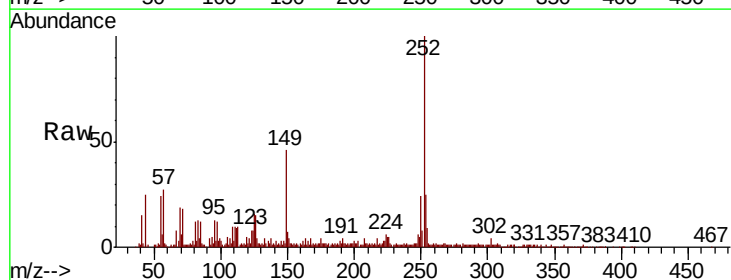
RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

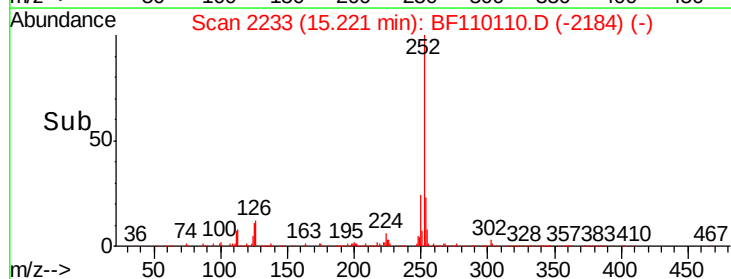
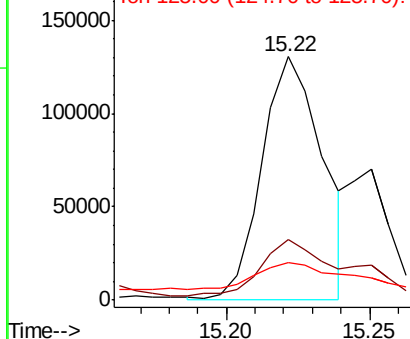
Lab File: BF110110.D

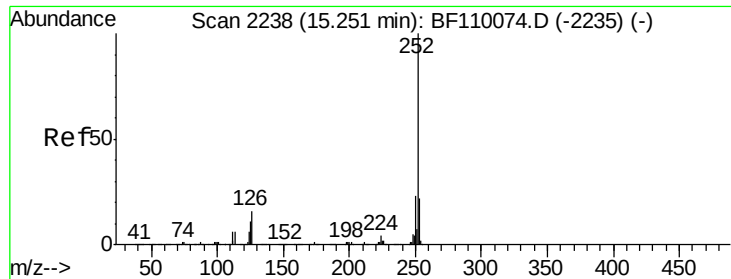
Acq: 24 Oct 2018 13:04

Tgt Ion:	252	Resp:	191936
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.2	25.8
125	15.6	8.2	12.4#



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





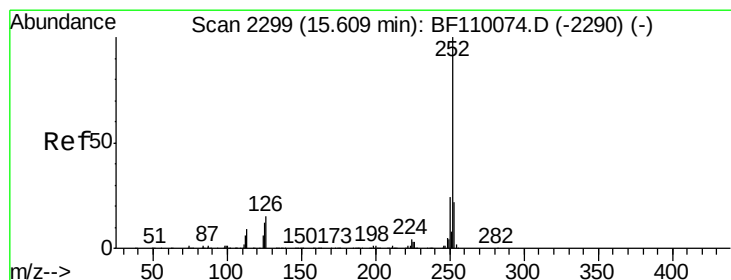
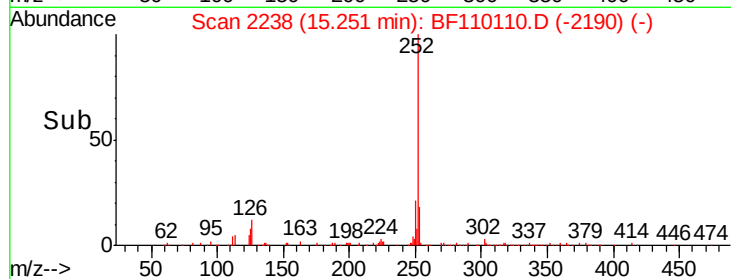
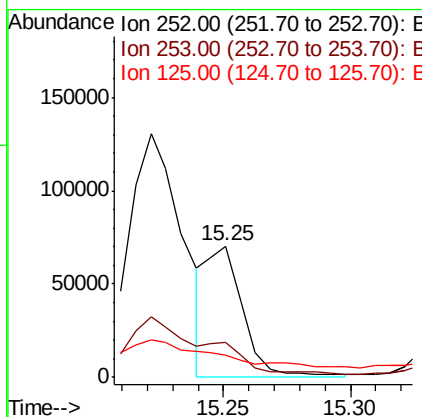
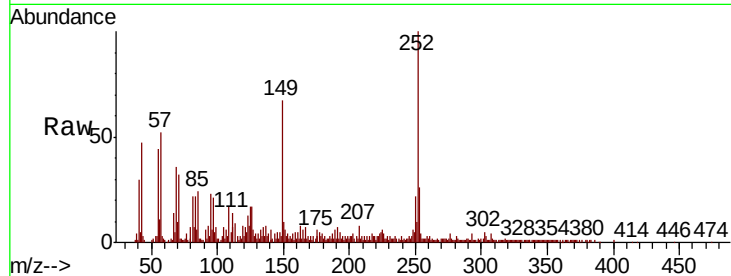
#89
Benzo(k)fluoranthene
Concen: 4.963 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Instrument :
BNA_F
ClientSampleId :
SB-2(6-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.2	25.8#
125	17.1	7.4	11.0#

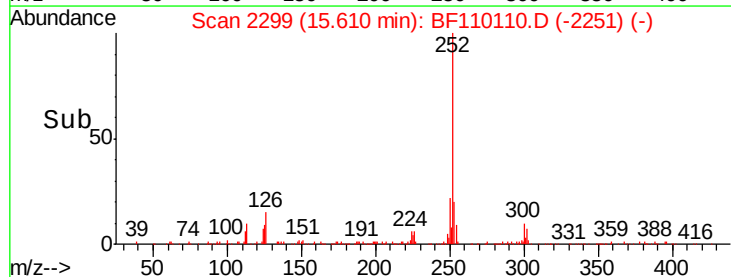
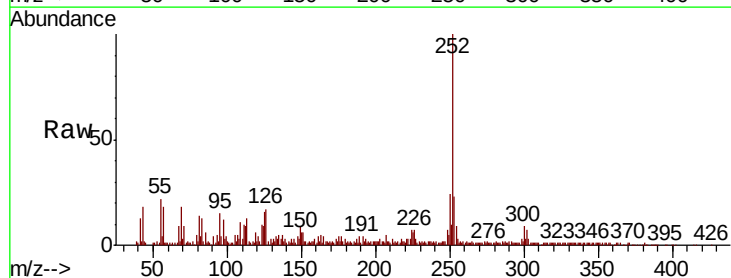
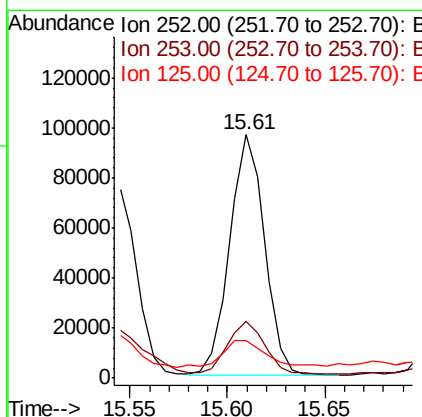
Manual Integrations
APPROVED

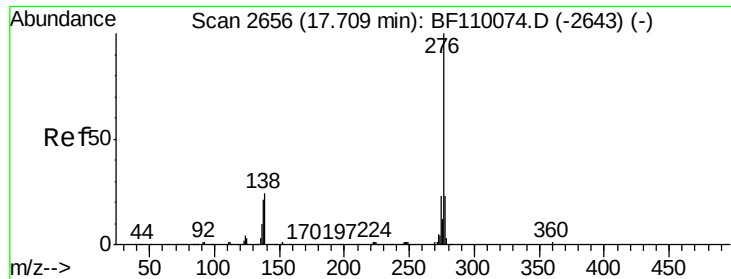
Sohil
10/25/2018 11:15:41 AM



#90
Benzo(a)pyrene
Concen: 8.865 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110110.D
Acq: 24 Oct 2018 13:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	15.7	9.0	13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 5.936 ng
 RT: 17.71 min Scan# 2656
 Delta R.T. -0.03 min
 Lab File: BF110110.D
 Acq: 24 Oct 2018 13:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(6-8)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	24.9	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/25/2018 11:15:41 AM

