

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110428.D
 Acq On : 2 Nov 2018 22:47
 Operator : JU/SJ
 Sample : J5769-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WAGARAW-RD-1

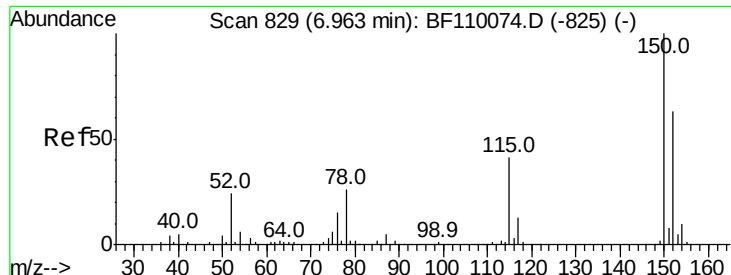
Manual Integrations
 APPROVED

Sohil
 11/5/2018 10:32:49 AM

Quant Time: Nov 03 00:57:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	89600	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	336974	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	130171	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	213446	20.00	ng	0.00
76) Chrysene-d12	14.13	240	165982	20.00	ng	0.00
87) Perylene-d12	15.66	264	117543	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	209177	38.02	ng	0.00
7) Phenol-d6	6.57	99	261787	37.20	ng	0.00
23) Nitrobenzene-d5	7.52	82	151389	26.65	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	42431	32.91	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	270109	32.58	ng	0.00
79) Terphenyl-d14	13.07	244	213940	26.81	ng	0.00
Target Compounds						
10) Phenol	6.59	94	15744	2.093	ng	75
25) Isophorone	7.76	82	39159	4.044	ng	100
50) Dimethylphthalate	9.70	163	36562	3.805	ng	98
71) Phenanthrene	11.51	178	100612	9.009	ng	98
72) Anthracene	11.56	178	23286	2.080	ng	96
75) Fluoranthene	12.70	202	212417	18.740	ng	98
78) Pyrene	12.93	202	194683	16.361	ng	97
81) Benzo(a)anthracene	14.12	228	90098	9.153	ng	99
83) Chrysene	14.16	228	81902	8.761	ng	96
84) Bis(2-ethylhexyl)phthalate	14.09	149	24613	3.525	ng	91
86) Indeno(1,2,3-cd)pyrene	17.22	276	34822	4.490	ng	94
88) Benzo(b)fluoranthene	15.20	252	85826m	12.644	ng	
89) Benzo(k)fluoranthene	15.23	252	31221m	4.679	ng	
90) Benzo(a)pyrene	15.59	252	55157	8.831	ng	95
92) Benzo(a,h,i)perylene	17.70	276	36997	6.967	ng	95

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



#1

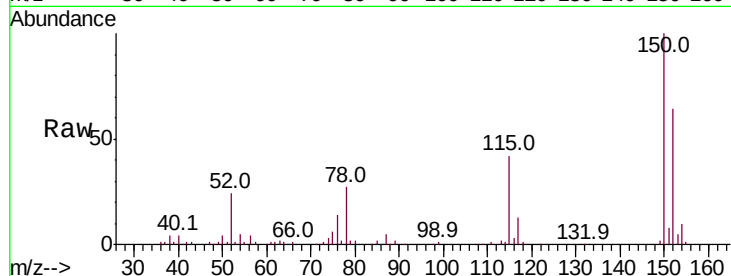
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :
WAGARAW-RD-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	122.7	184.1
115	65.5	49.1	73.7

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM

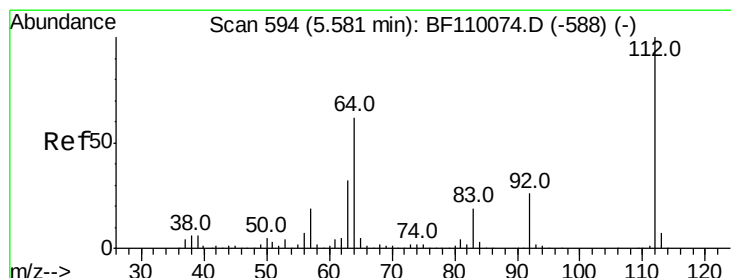
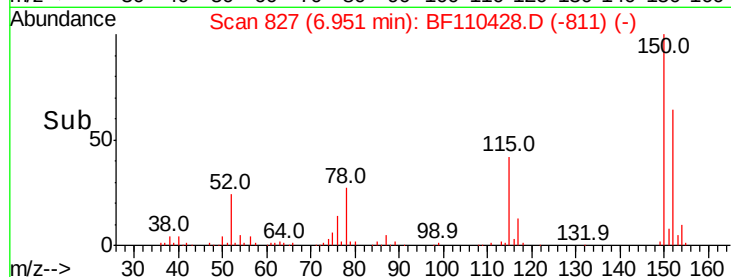
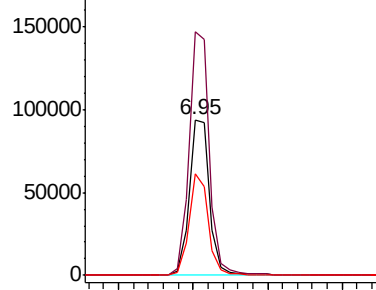


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

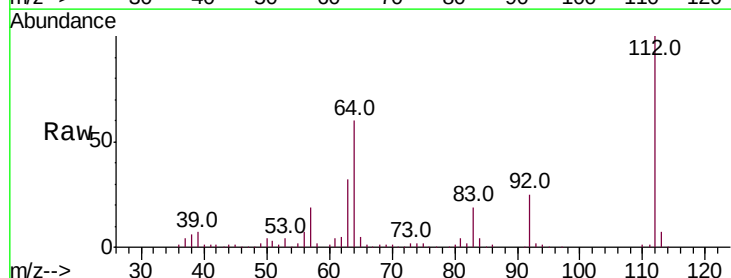
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.017 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	44.1	66.1
63	31.6	23.7	35.5

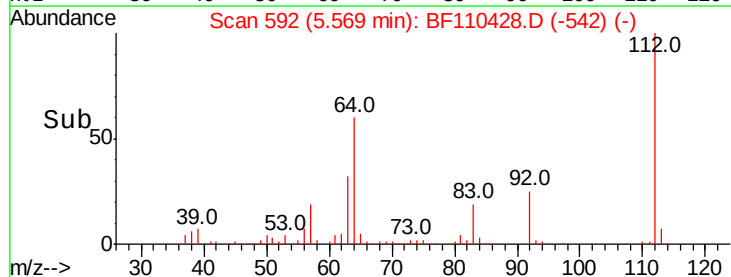
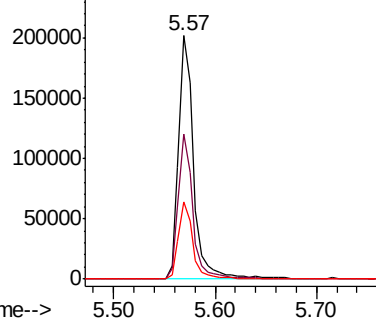


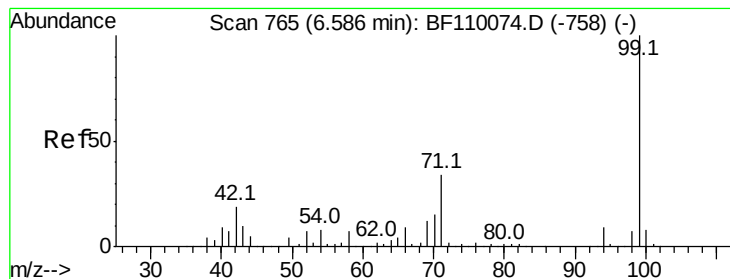
Abundance

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: 37.198 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

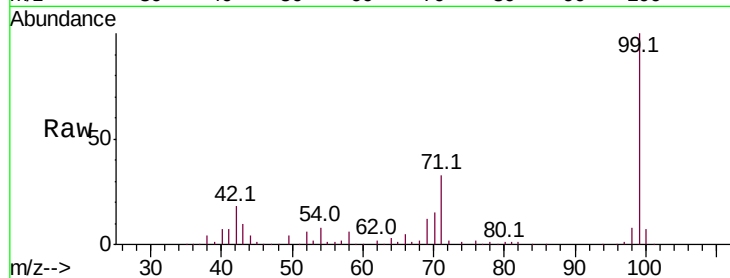
ClientSampleId :

WAGARAW-RD-1

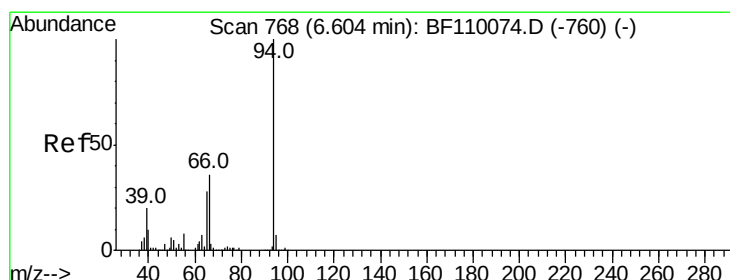
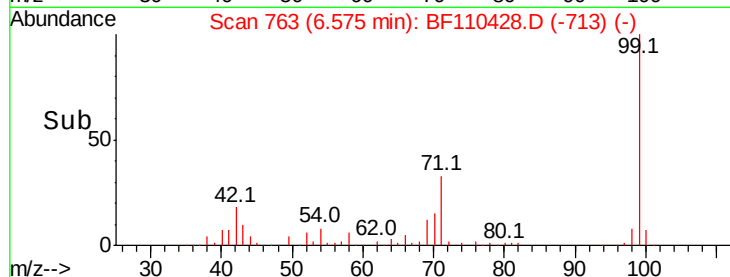
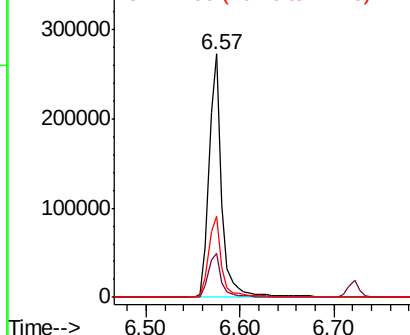
Tot Ion:	99	Resp:	261787
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.8	23.6
71	33.2	28.0	42.0

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 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: 2.093 ng

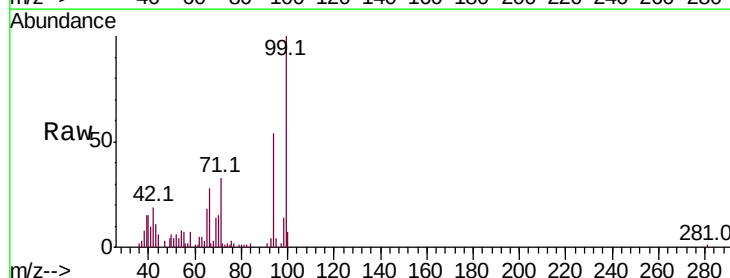
RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

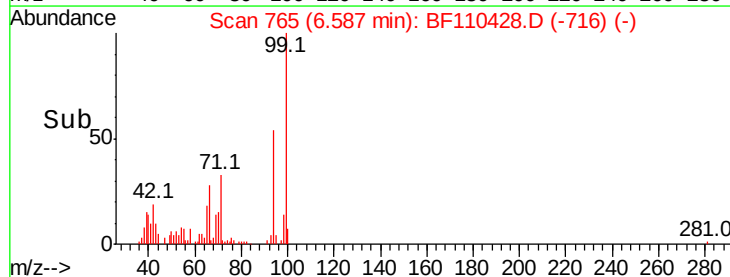
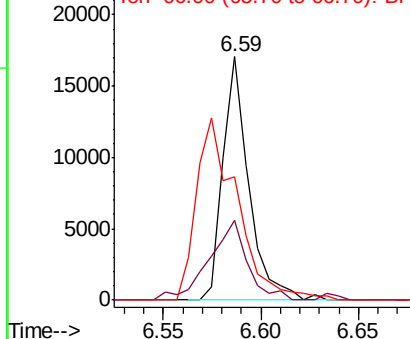
Lab File: BF110428.D

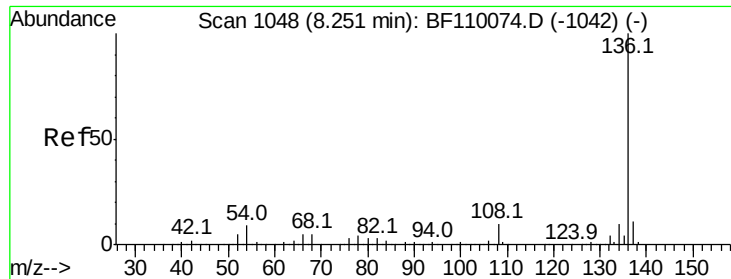
Acq: 2 Nov 2018 22:47

Tgt Ion:	94	Resp:	15744
Ion	Ratio	Lower	Upper
94	100		
65	33.0	25.3	65.3
66	50.7	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





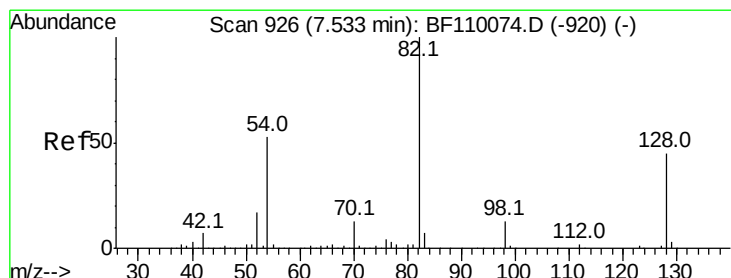
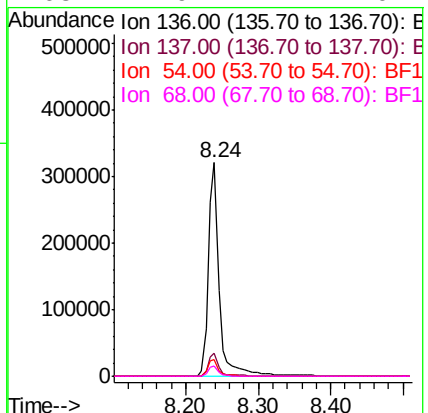
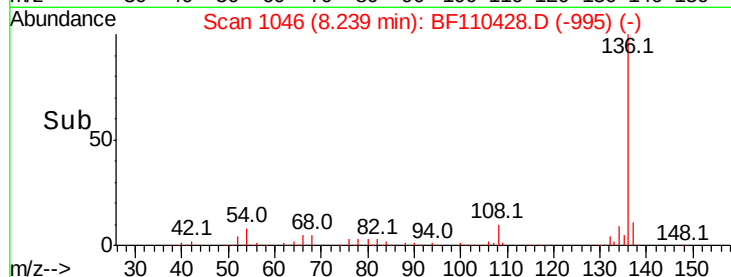
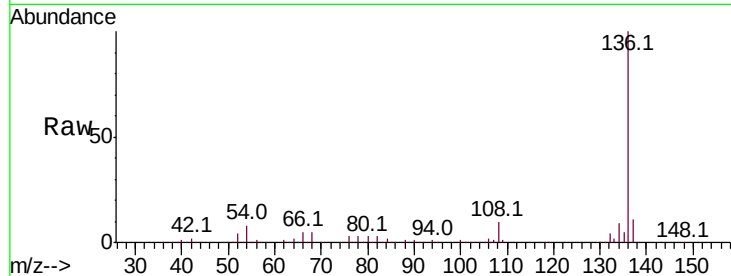
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :
WAGARAW-RD-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.8	13.2	
54	7.6	5.4	8.2	
68	4.9	4.2	6.2	

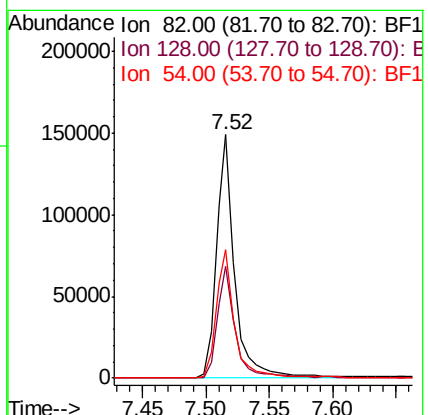
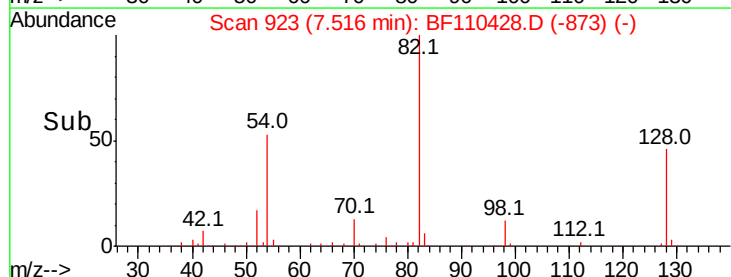
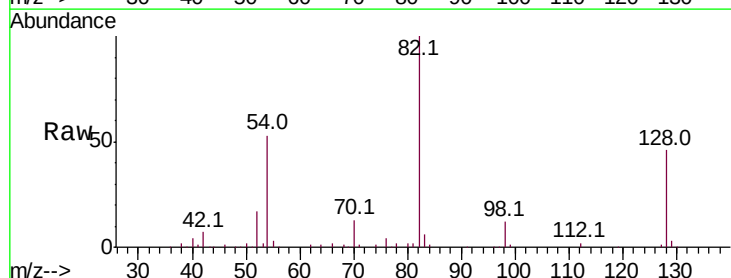
Manual Integrations
APPROVED

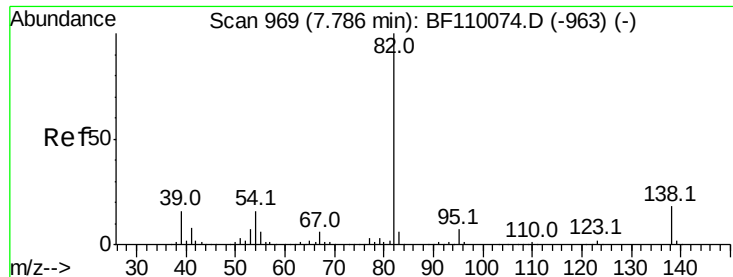
Sohil
11/5/2018 10:32:49 AM



#23
Nitrobenzene-d5
Concen: 26.647 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.2	51.2	
54	52.5	38.6	58.0	





#25

Isophorone

Concen: 4.044 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

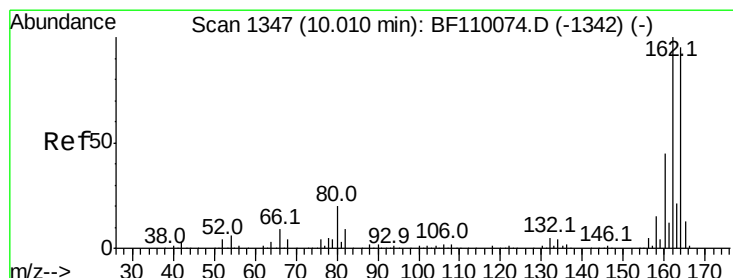
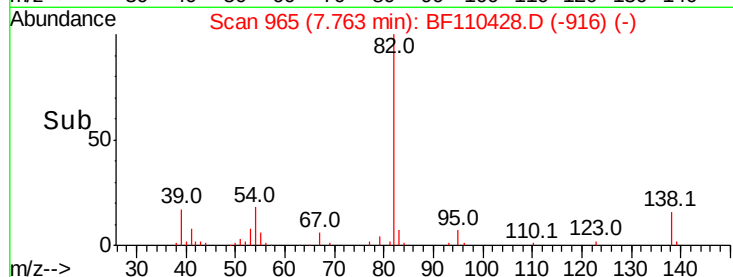
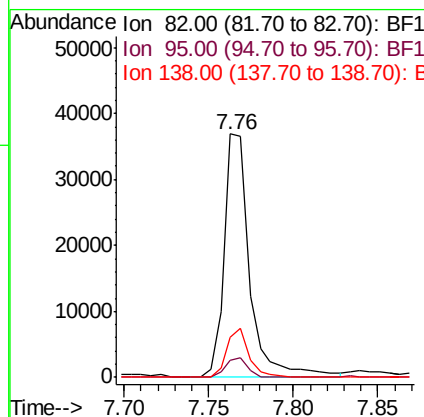
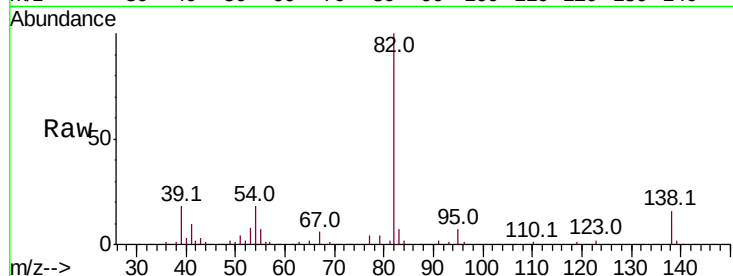
ClientSampleId :

WAGARAW-RD-1

Tot Ion:	82	Resp:	39159
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.7	8.5
138	16.4	13.2	19.8

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM



#39

Acenaphthene-d10

Concen: 20.000 ng

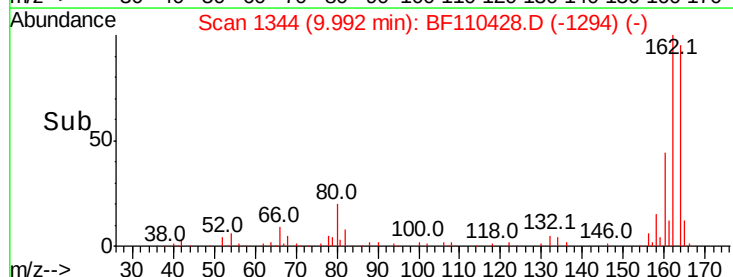
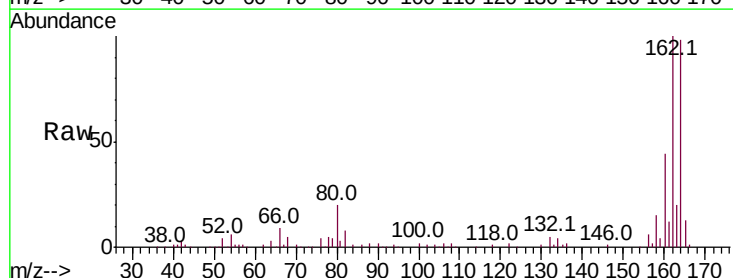
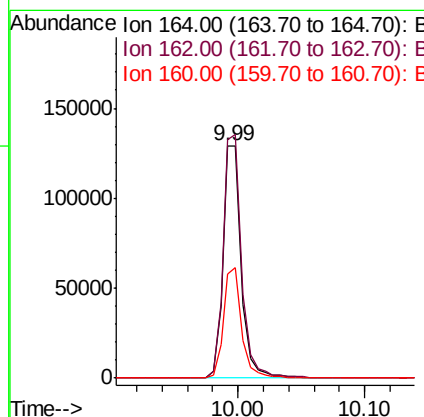
RT: 9.99 min Scan# 1344

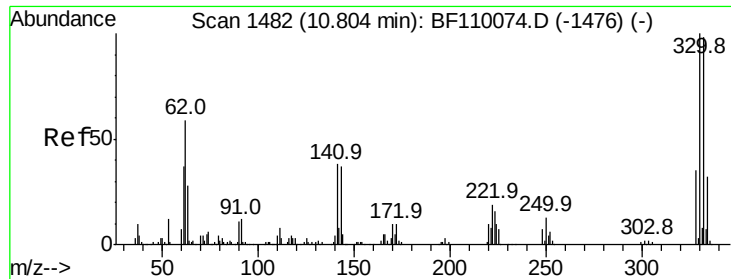
Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:	164	Resp:	130171
Ion Ratio	Lower	Upper	
164	100		
162	102.5	83.0	124.6
160	44.8	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 32.907 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

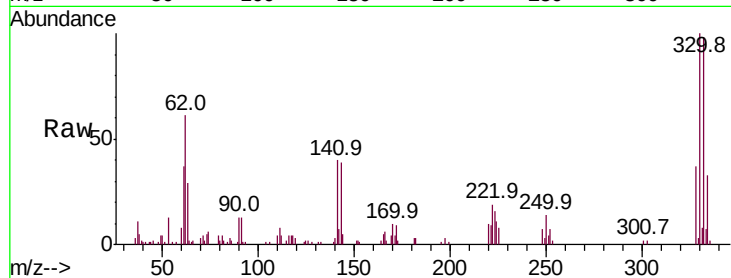
ClientSampleId :

WAGARAW-RD-1

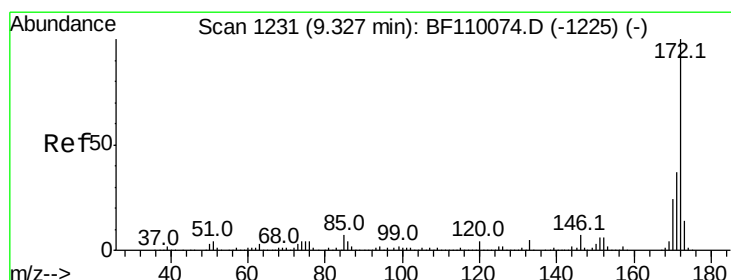
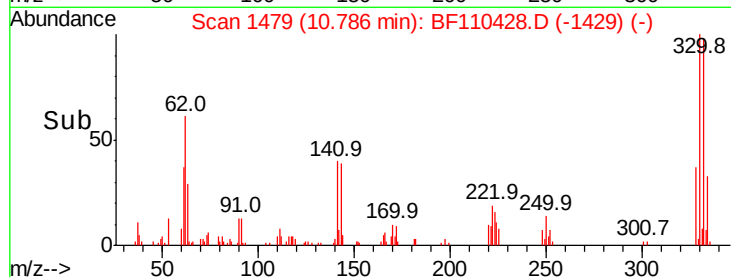
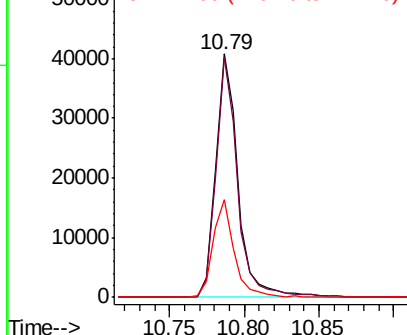
Tot Ion:	330	Resp:	42431
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.1	115.7
141	37.9	27.0	40.4

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM



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: 32.583 ng

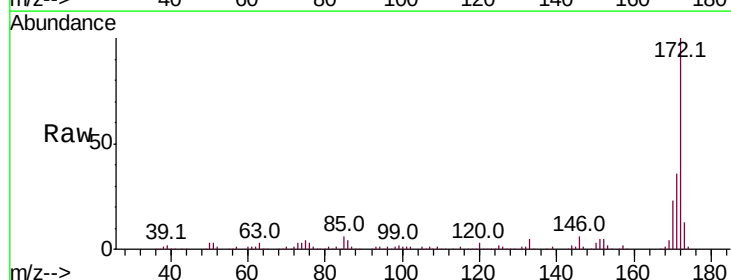
RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

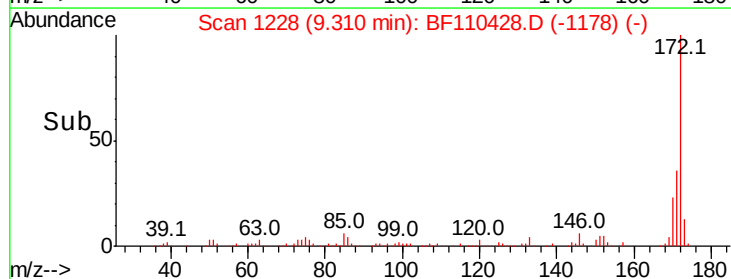
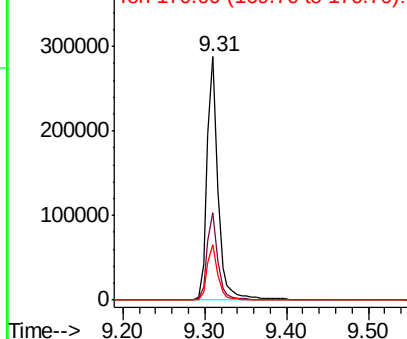
Lab File: BF110428.D

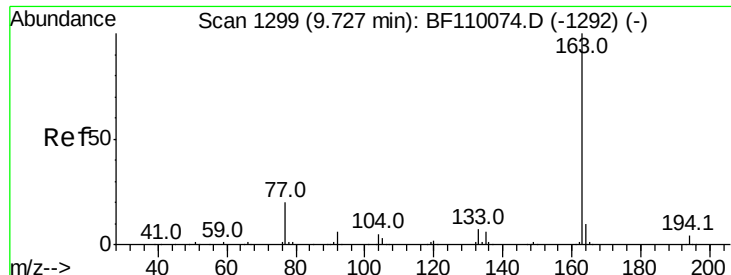
Acq: 2 Nov 2018 22:47

Tgt Ion:	172	Resp:	270109
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.6	43.0
170	22.8	19.7	29.5



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





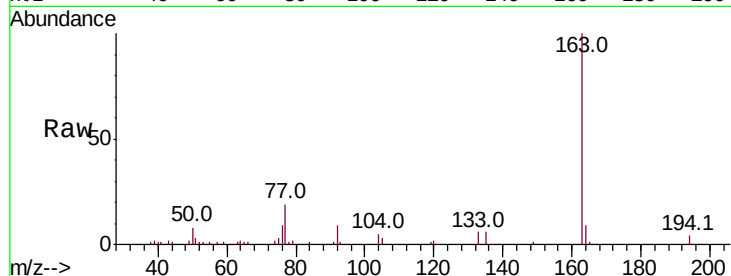
#50
Dimethylphthalate
Concen: 3.805 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :
WAGARAW-RD-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	36562		
194	3.7		3.2	4.8
164	9.3		8.1	12.1

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM

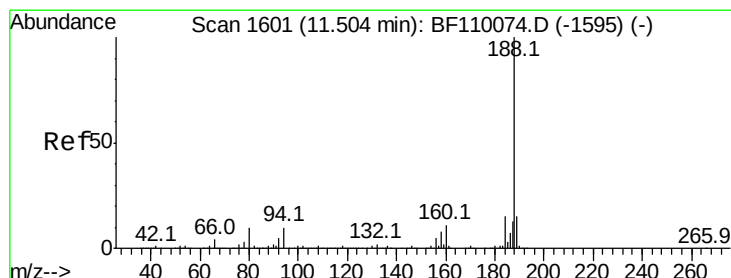
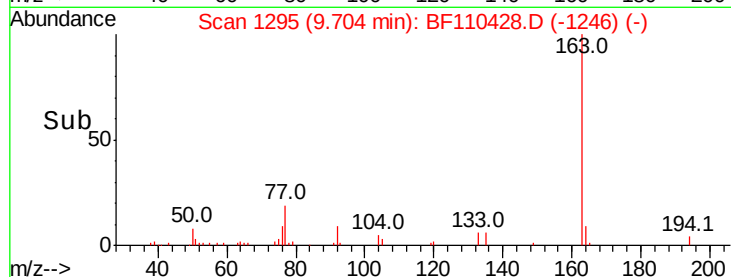
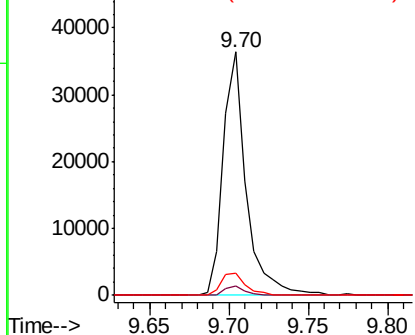


Abundance

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: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

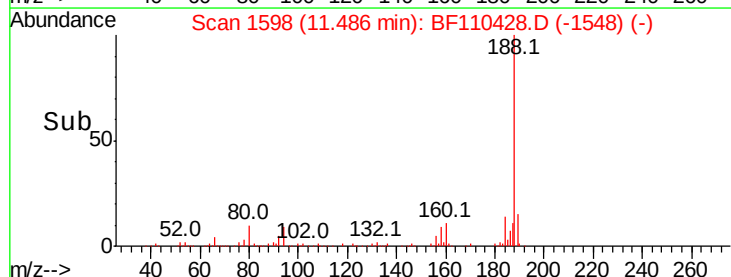
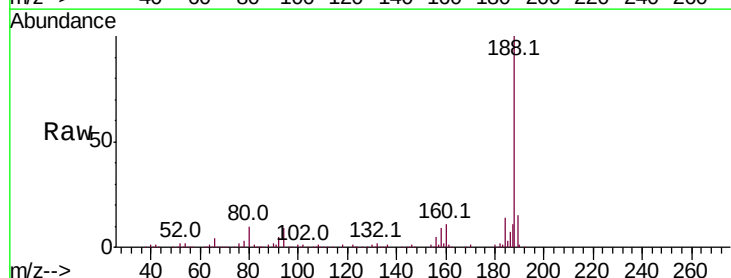
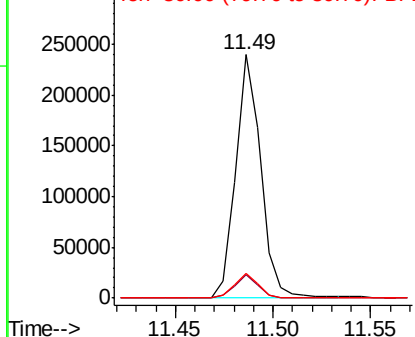
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	213446		
94	9.4		7.2	10.8
80	10.2		7.9	11.9

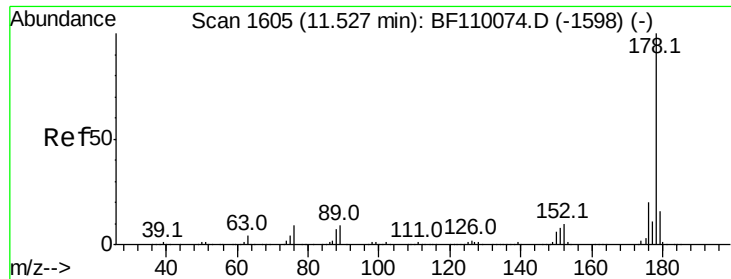
Abundance

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: 9.009 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

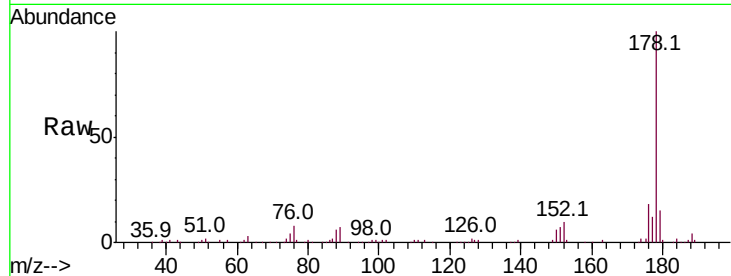
ClientSampleId :

WAGARAW-RD-1

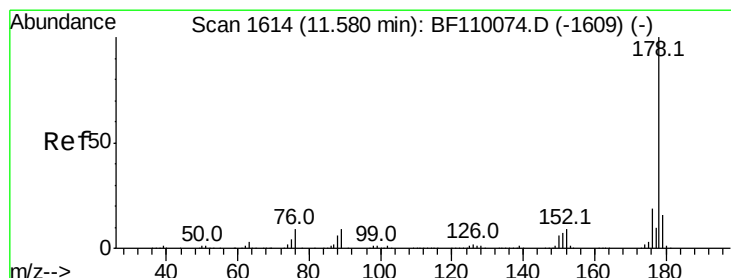
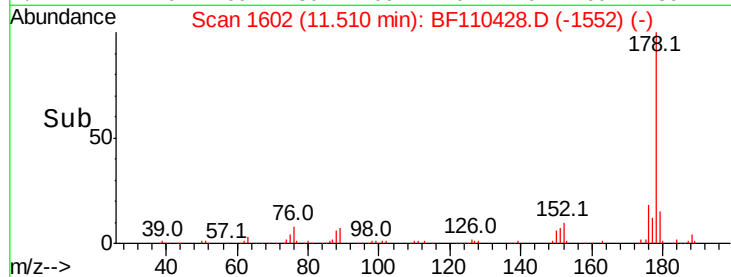
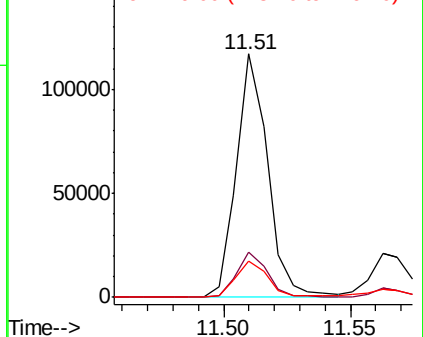
Tot Ion:	178	Resp:	100612
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.0	12.5	18.7

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM



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



#72

Anthracene

Concen: 2.080 ng

RT: 11.56 min Scan# 1611

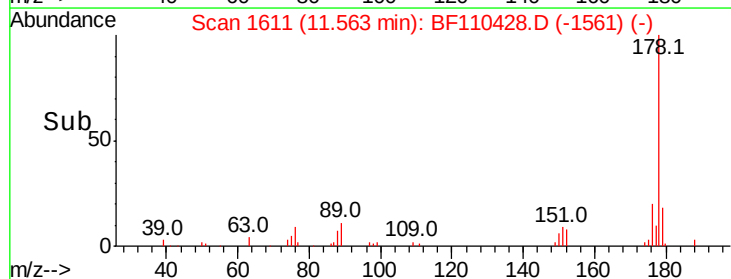
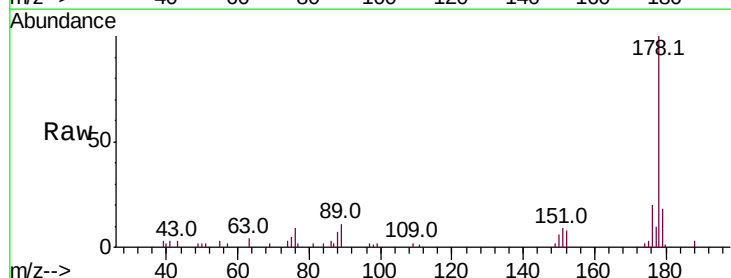
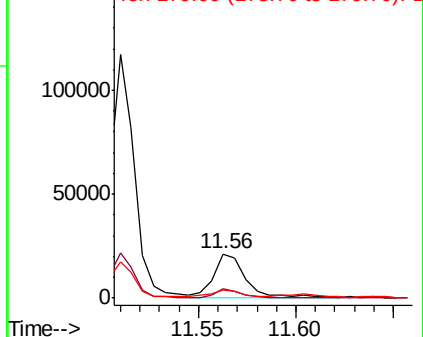
Delta R.T. -0.01 min

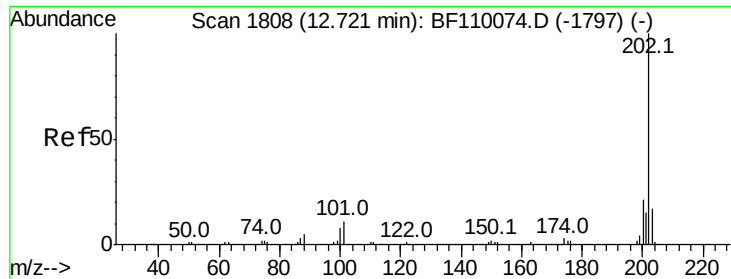
Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:	178	Resp:	23286
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	18.4	12.6	18.8

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





#75

Fluoranthene

Concen: 18.740 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

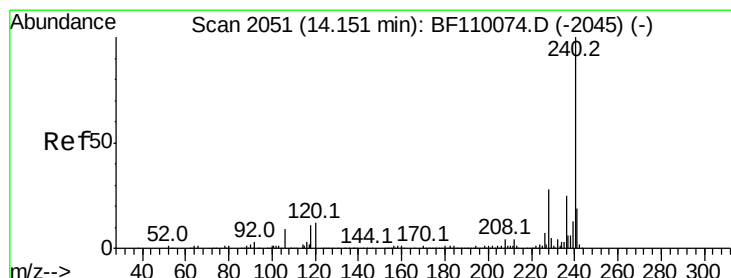
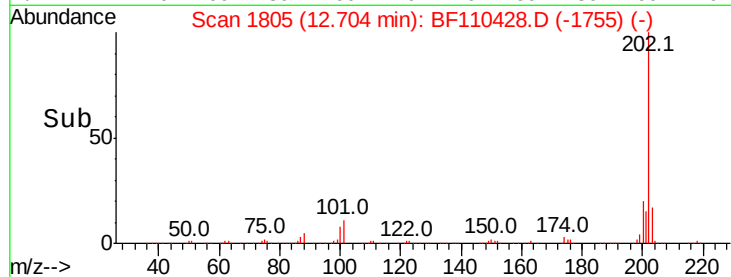
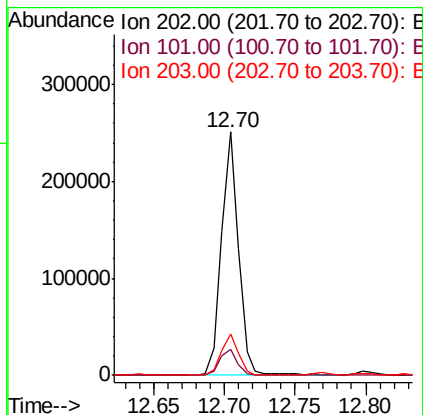
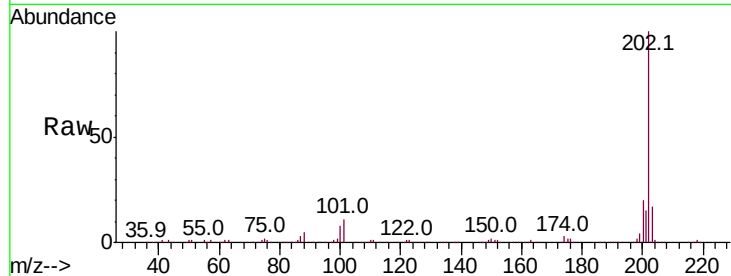
ClientSampleId :

WAGARAW-RD-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.4
203	17.0	0.0	37.7

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM



#76

Chrysene-d12

Concen: 20.000 ng

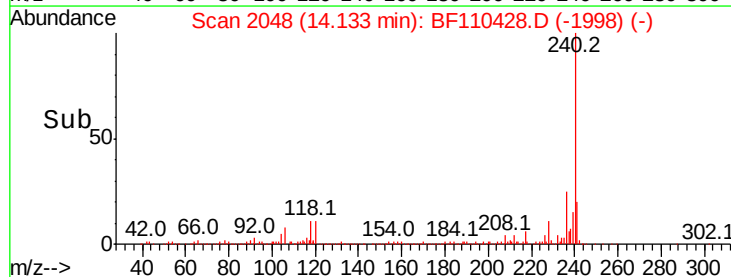
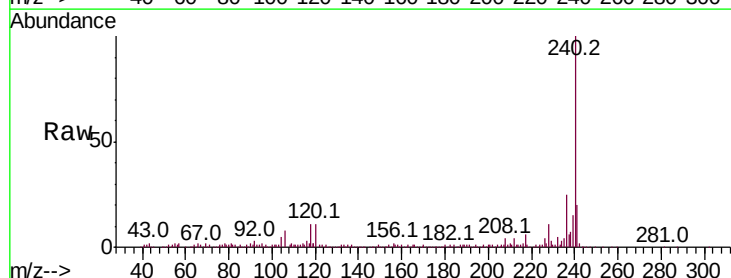
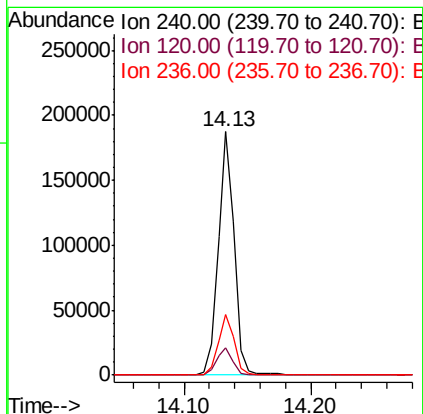
RT: 14.13 min Scan# 2048

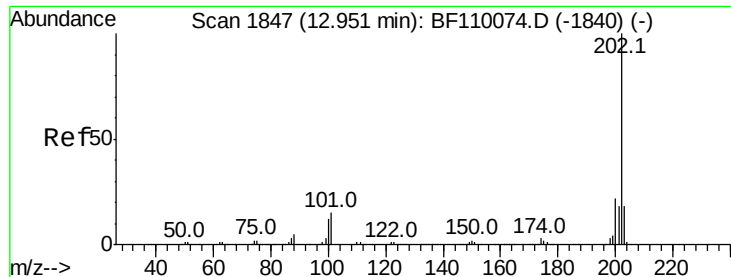
Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	8.3	12.5
236	25.1	21.2	31.8





#78

Pvrene

Concen: 16.361 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

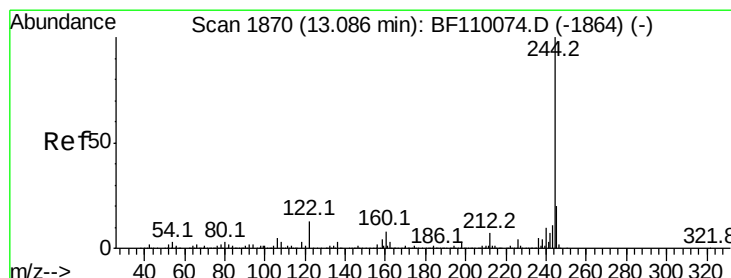
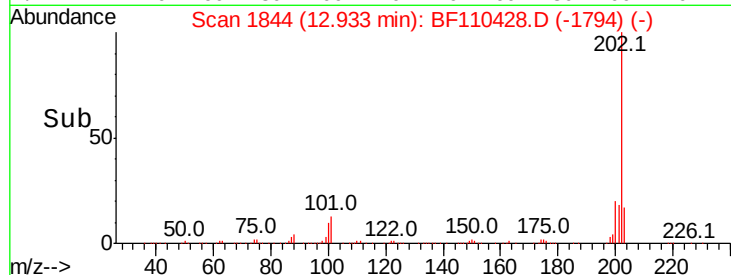
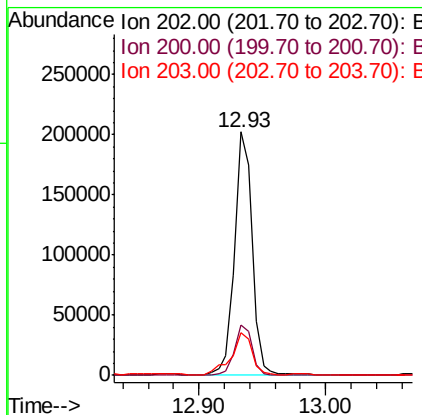
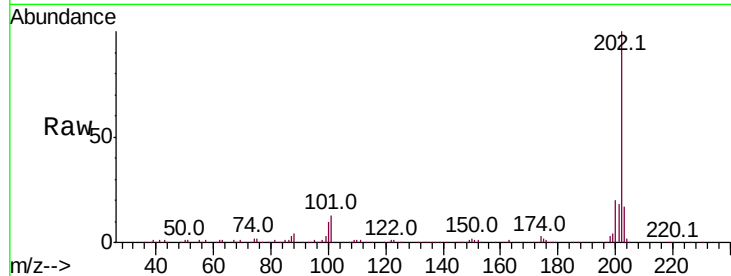
ClientSampleId :

WAGARAW-RD-1

Tot Ion:	202	Resp:	194683
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.8	26.6
203	17.3	14.2	21.4

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM



#79

Terphenyl-d14

Concen: 26.806 ng

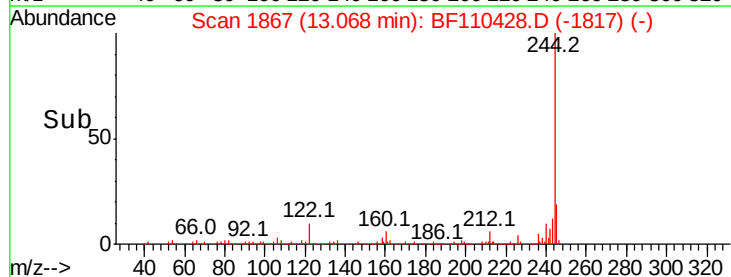
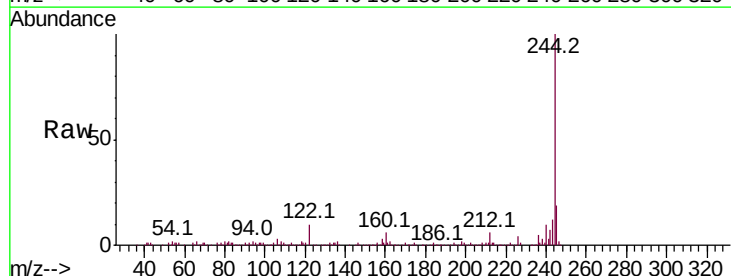
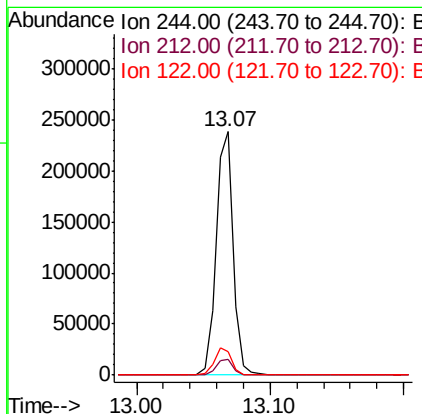
RT: 13.07 min Scan# 1867

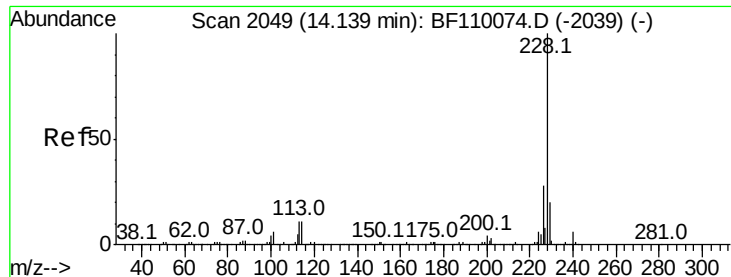
Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:	244	Resp:	213940
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.8	8.8
122	9.6	8.7	13.1





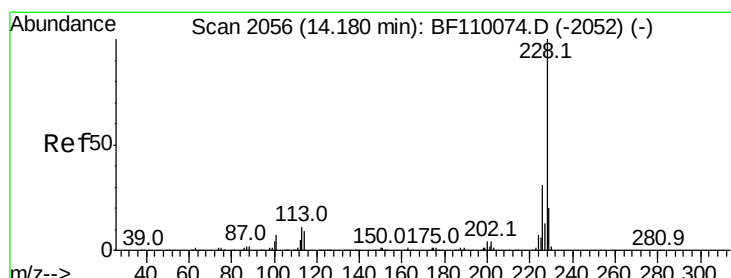
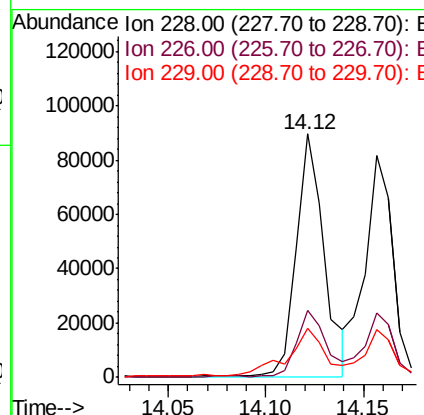
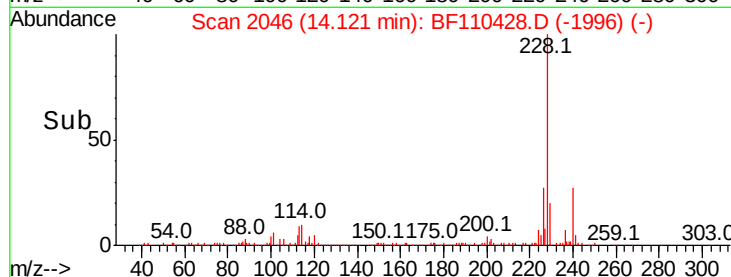
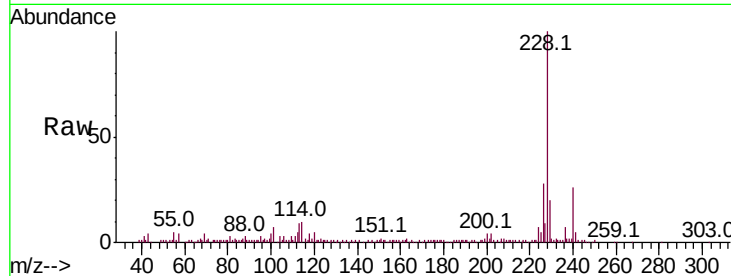
#81
Benzo(a)anthracene
Concen: 9.153 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :
WAGARAW-RD-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.3	15.6	23.4

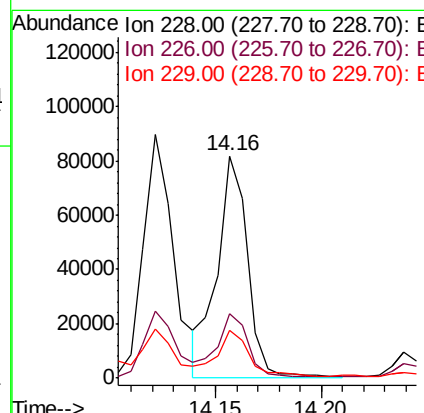
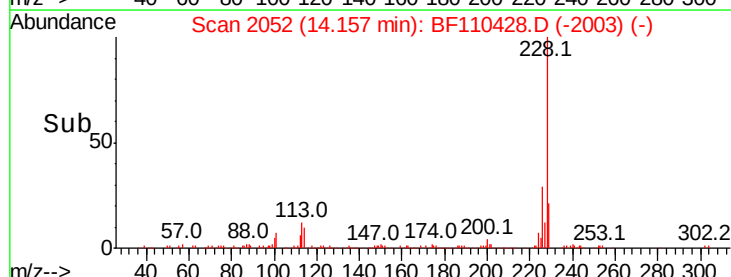
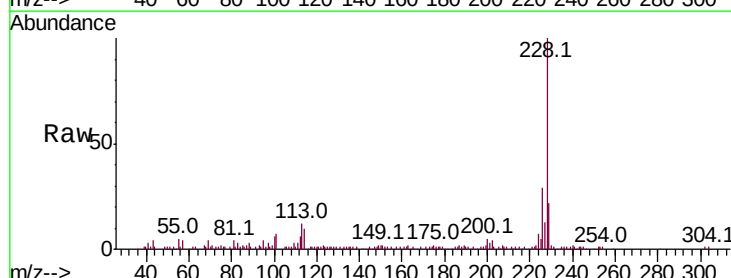
Manual Integrations
APPROVED

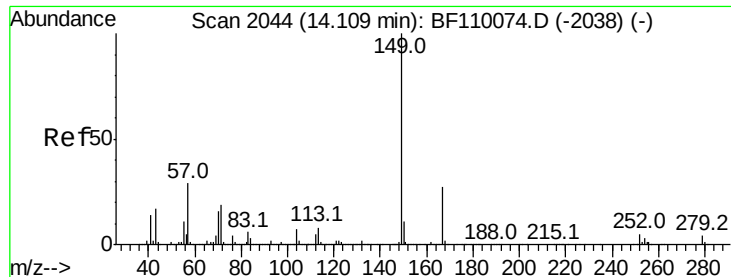
Sohil
11/5/2018 10:32:49 AM



#83
Chrysene
Concen: 8.761 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.7	37.1
229	21.8	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.525 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

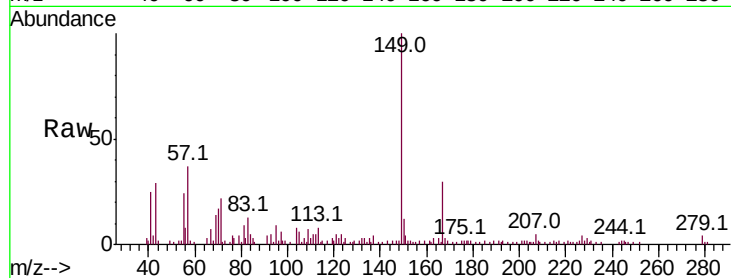
ClientSampleId :

WAGARAW-RD-1

Tot Ion:	149	Resp:	24613
Ion Ratio	Lower	Upper	
149	100		
167	29.6	19.8	29.8
279	4.3	2.7	4.1#

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM

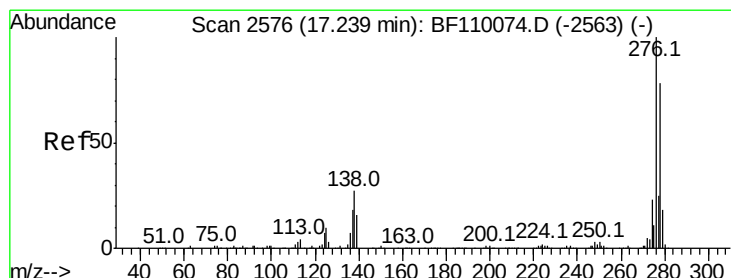
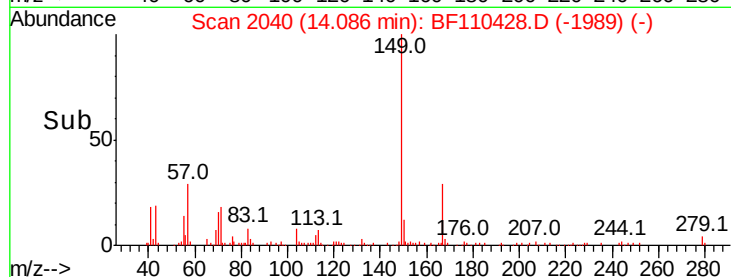
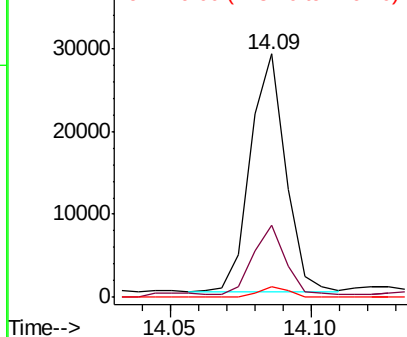


Abundance

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: 4.490 ng

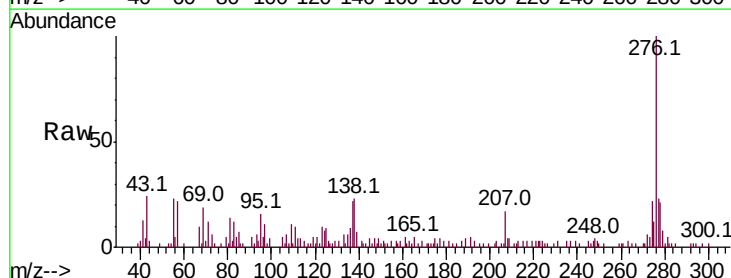
RT: 17.22 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:	276	Resp:	34822
Ion Ratio	Lower	Upper	
276	100		
138	27.1	18.5	27.7
277	26.6	20.0	30.0

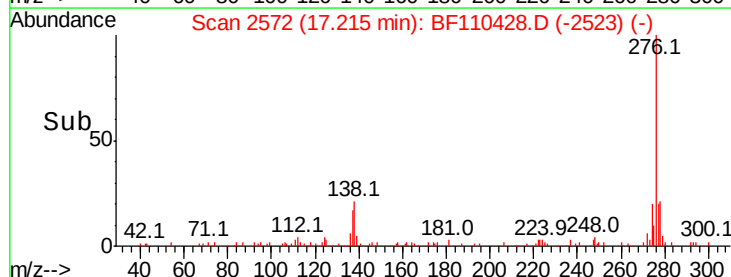
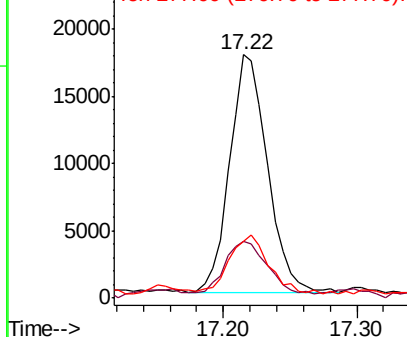


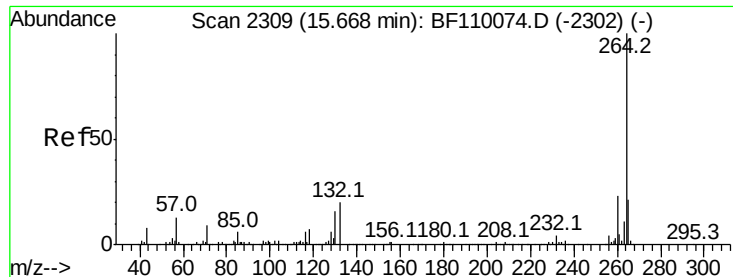
Abundance

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





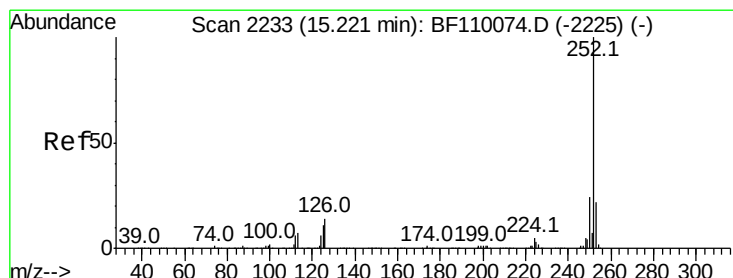
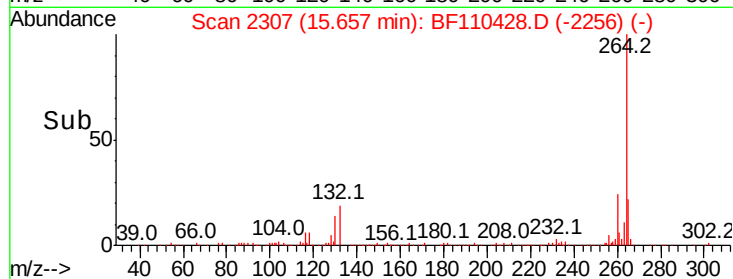
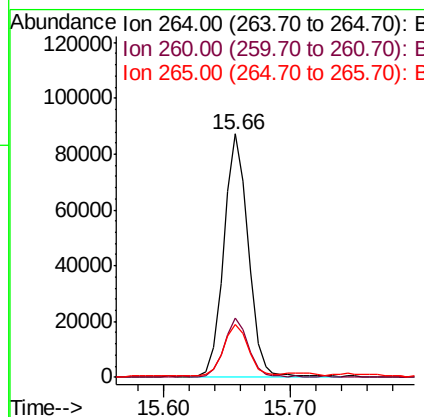
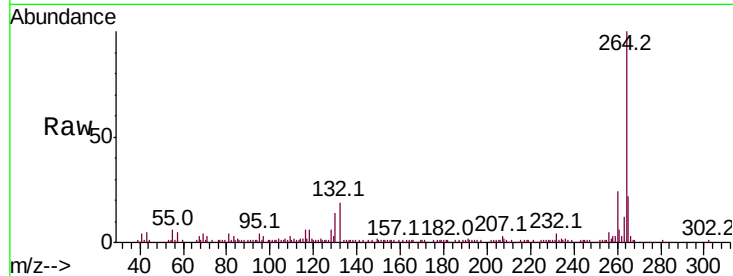
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Instrument :
BNA_F
ClientSampleId :
WAGARAW-RD-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.5	16.7	25.1

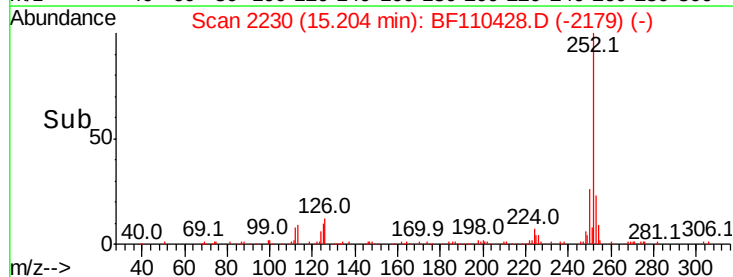
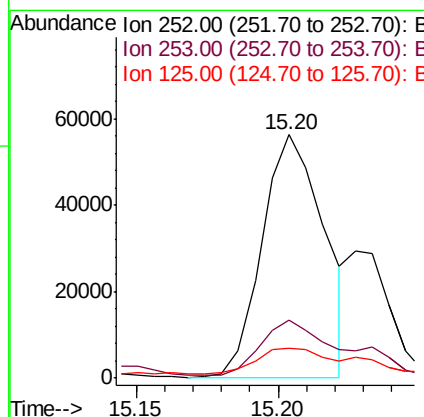
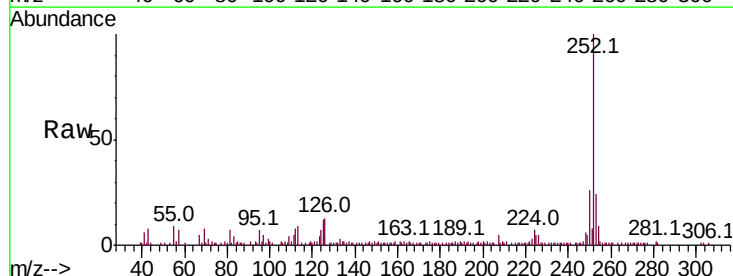
Manual Integrations
APPROVED

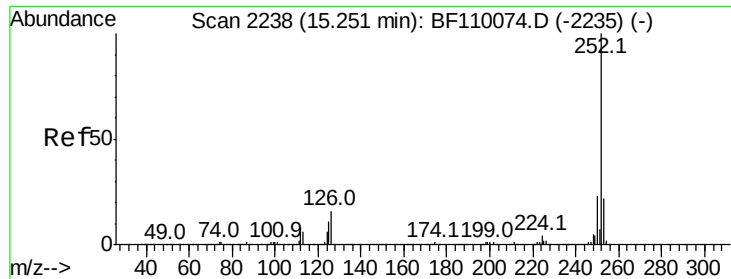
Sohil
11/5/2018 10:32:49 AM



#88
Benzo(b)fluoranthene
Concen: 12.644 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110428.D
Acq: 2 Nov 2018 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.5	8.2	12.4#





#89

Benzo(k)fluoranthene

Concen: 4.679 ng/mL

RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Instrument :

BNA_F

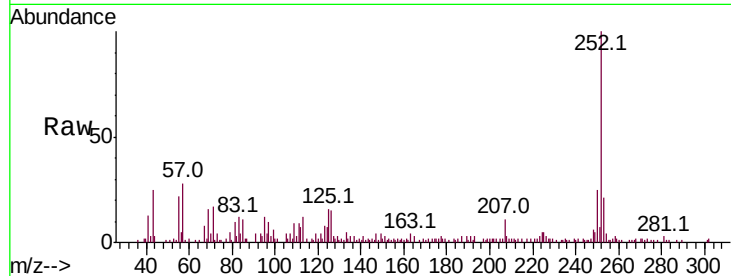
ClientSampleId :

WAGARAW-RD-1

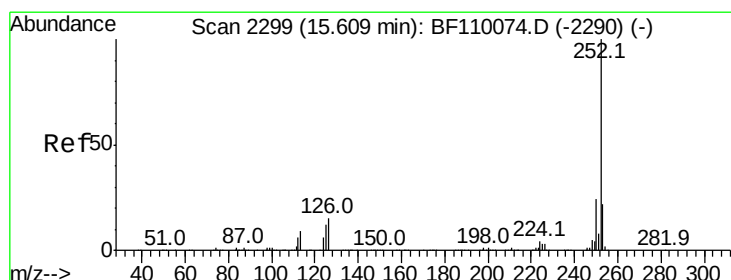
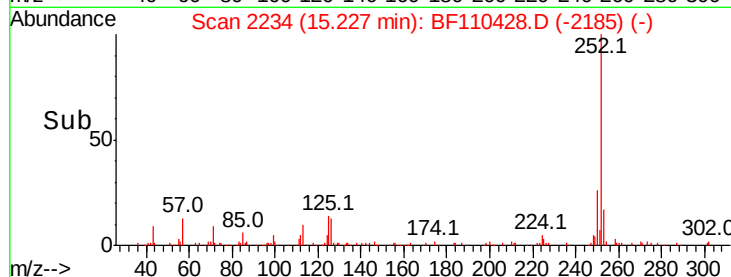
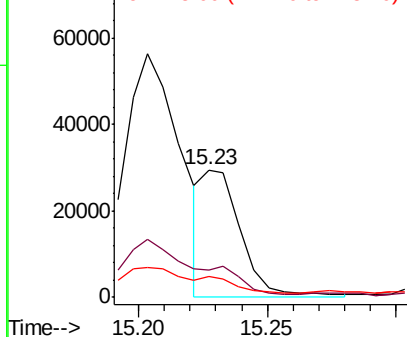
Tot Ion:	252	Resp:	31221
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.2	25.8
125	16.5	7.4	11.0#

Manual Integrations
APPROVED

Sohil
11/5/2018 10:32:49 AM



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



#90

Benzo(a)pyrene

Concen: 8.831 ng/mL

RT: 15.59 min Scan# 2296

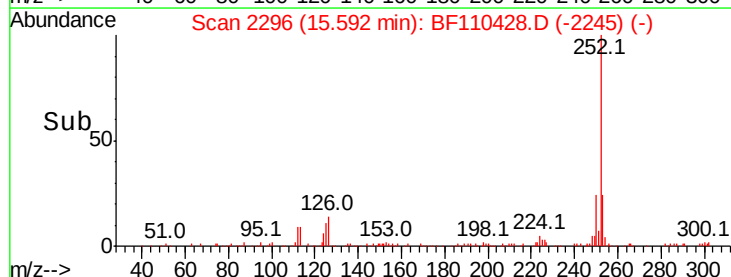
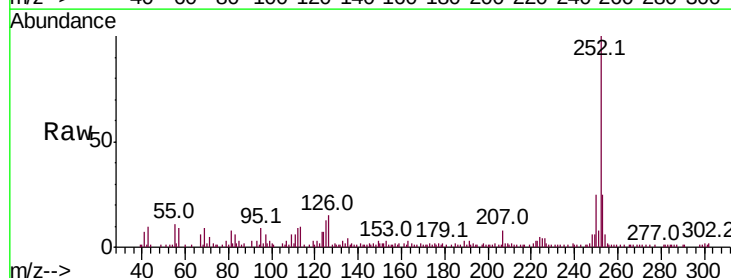
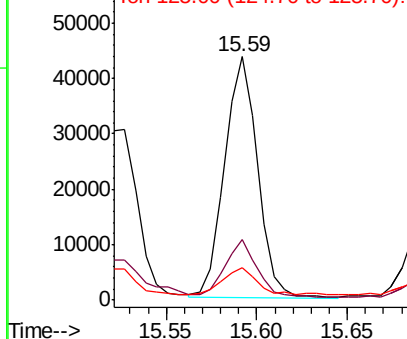
Delta R.T. 0.00 min

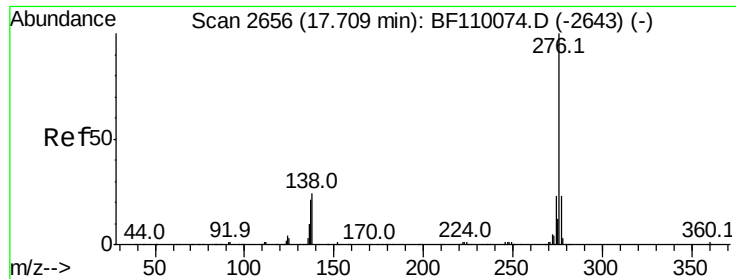
Lab File: BF110428.D

Acq: 2 Nov 2018 22:47

Tgt Ion:	252	Resp:	55157
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.4
125	13.4	9.0	13.6

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





#92
 Benzo(a,h,i)perylene
 Concen: 6.967 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. -0.01 min
 Lab File: BF110428.D
 Acq: 2 Nov 2018 22:47

Instrument :
 BNA_F
 ClientSampleId :
 WAGARAW-RD-1

Tot Ion:	276	Resp:	36997
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.8	28.2
138	23.0	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 11/5/2018 10:32:49 AM

