

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108763.D
 Acq On : 5 Sep 2018 3:46
 Operator : JU/SJ
 Sample : J4712-13DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-09DL

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:48:06 PM

Quant Time: Sep 05 08:26:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	54957	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	240070	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	119885	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	255857	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	182386	20.00	ng	-0.02
86) Perylene-d12	15.74	264	136396	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	31440m	9.94	ng	0.05
7) Phenol-d6	6.70	99	70903m	15.65	ng	0.05
23) Nitrobenzene-d5	7.61	82	35572	7.52	ng	0.04
41) 2,4,6-Tribromophenol	10.84	330	17719	11.20	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	84891	9.52	ng	-0.02
78) Terphenyl-d14	13.11	244	104289	11.11	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	7.26	79	34462m	10.573	ng	Qvalue
49) Dimethylphthalate	9.74	163	22384	2.371	ng	99
70) Phenanthrene	11.56	178	50298	3.895	ng	99
74) Fluoranthene	12.75	202	198883	13.681	ng	95
77) Pyrene	12.98	202	155595	11.349	ng	99
80) Benzo(a)anthracene	14.18	228	55343m	4.977	ng	
82) Chrysene	14.21	228	79343	7.420	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	349865	47.213	ng	99
85) Indeno(1,2,3-cd)pyrene	17.37	276	33236	4.470	ng	# 91
87) Benzo(b)fluoranthene	15.28	252	71032m	8.478	ng	
88) Benzo(k)fluoranthene	15.29	252	36373m	4.382	ng	
89) Benzo(a)pyrene	15.68	252	37421	4.942	ng	# 78
91) Benzo(a,h,i)perylene	17.85	276	35275	6.002	ng	# 92

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

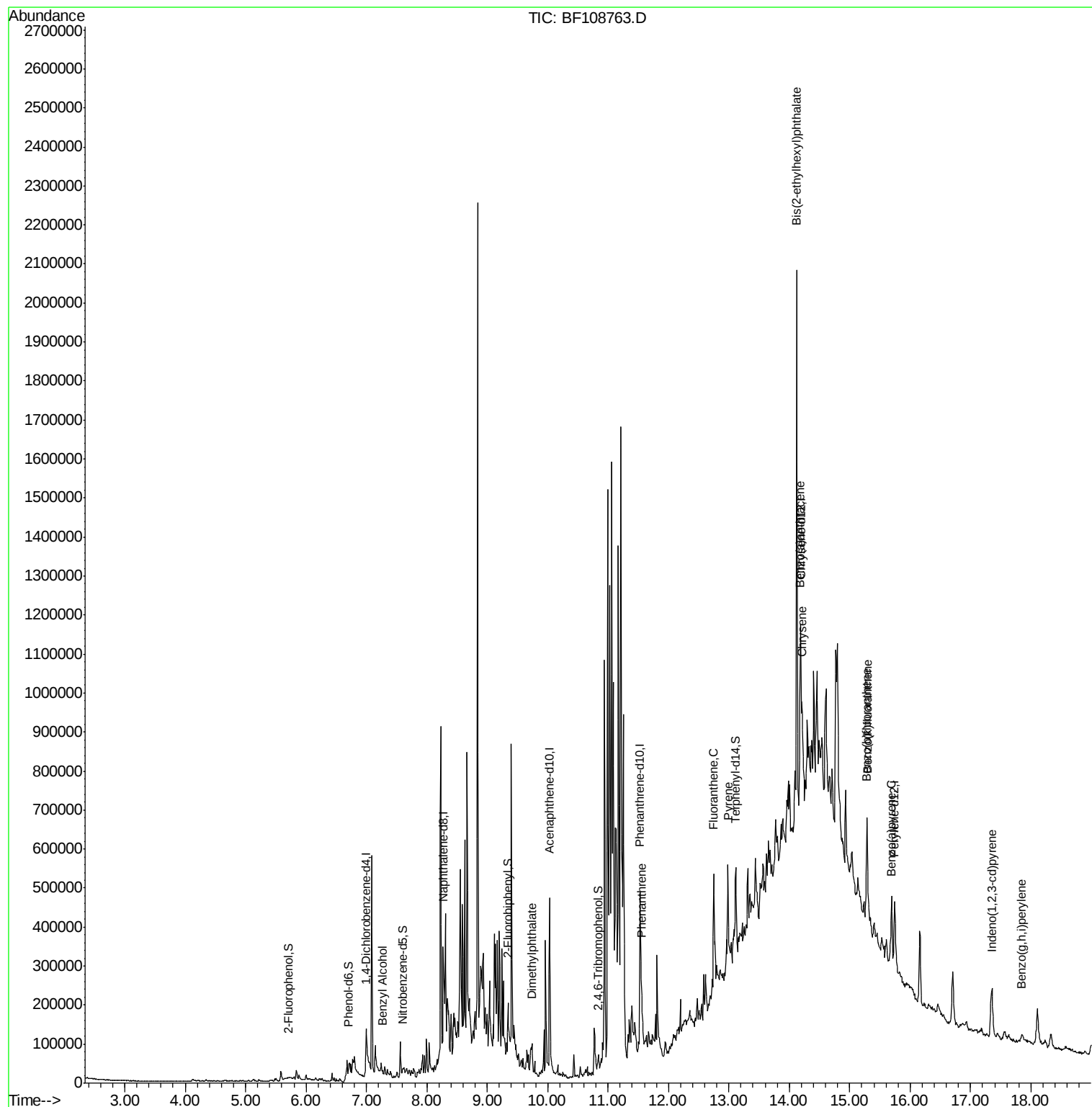
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108763.D
Acq On : 5 Sep 2018 3:46
Operator : JU/SJ
Sample : J4712-13DL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

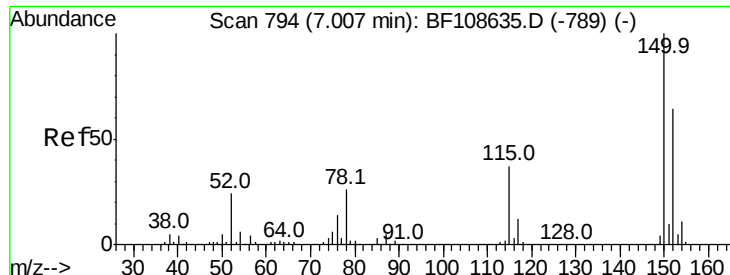
Instrument :
BNA_F
ClientSampleId :
DW-09DL

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:06 PM

Quant Time: Sep 05 08:26:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration





#1

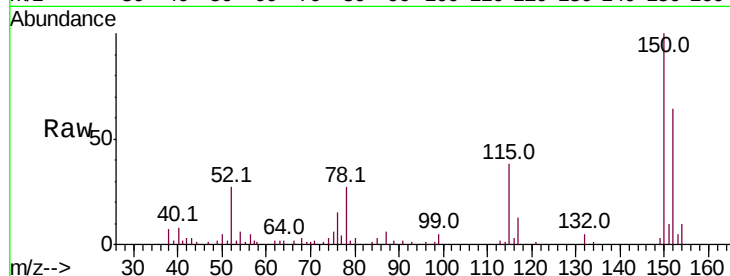
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampled :
DW-09DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	59.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:06 PM

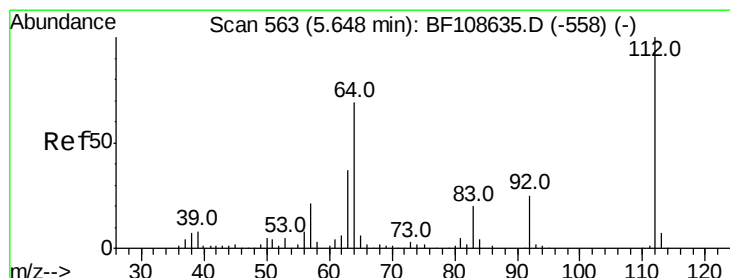
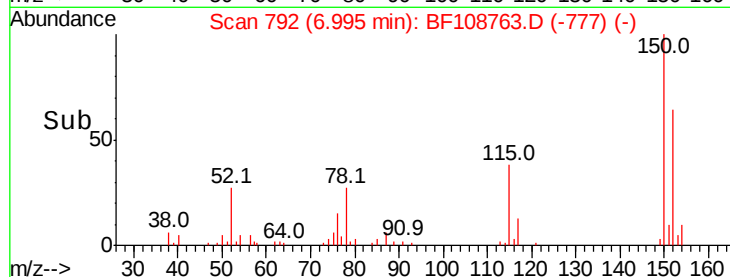
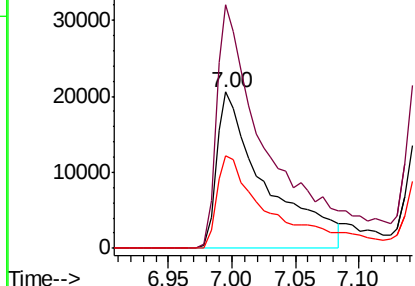


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

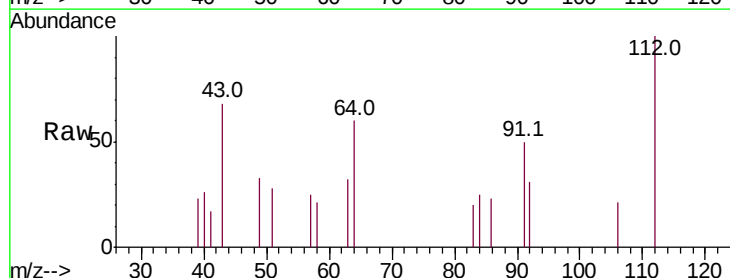
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.938 ng m
RT: 5.70 min Scan# 572
Delta R.T. 0.05 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	32.2	23.7	35.5

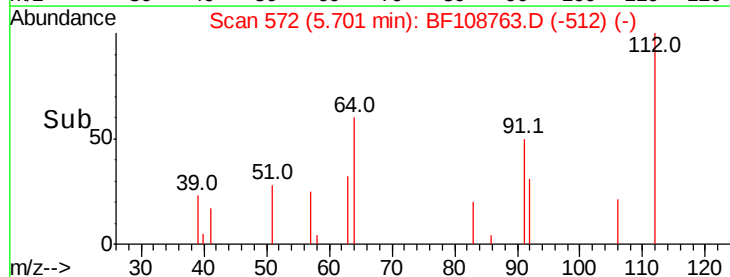
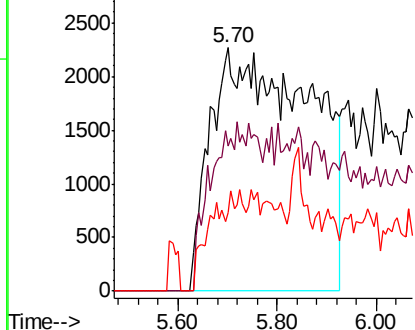


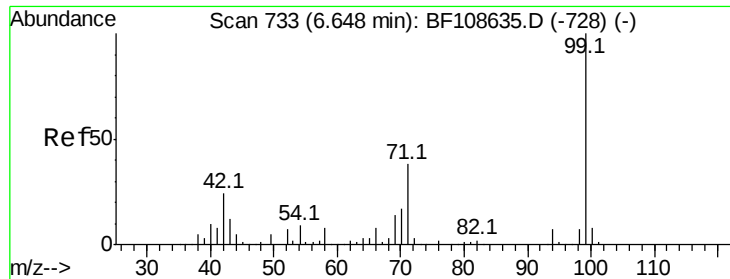
Abundance

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

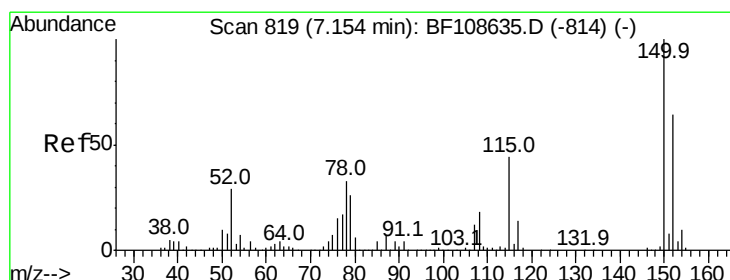
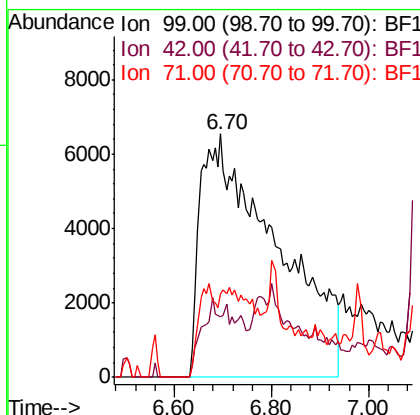
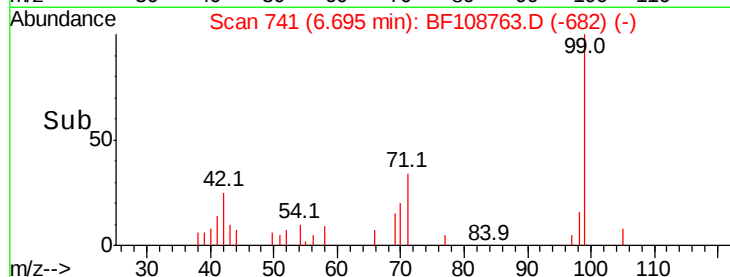
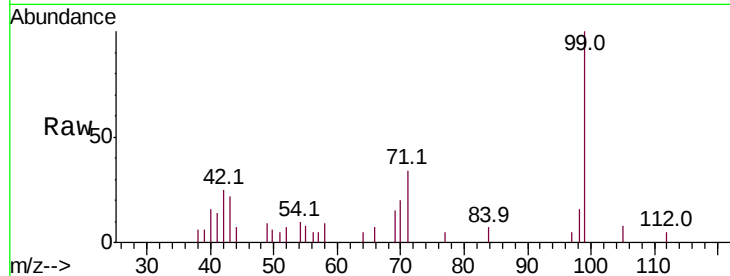
Concen: 15.648 ng m
RT: 6.70 min Scan# 741
Delta R.T. 0.05 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleID :
DW-09DL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	70903		
42	24.8		14.5	21.7#
71	34.2		25.4	38.0

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:06 PM

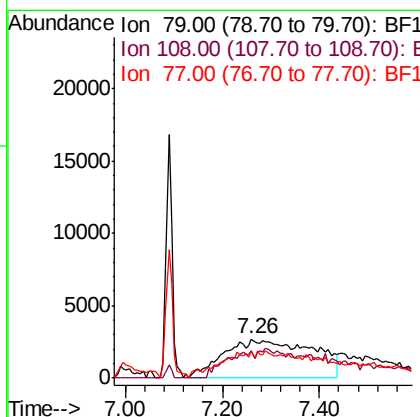
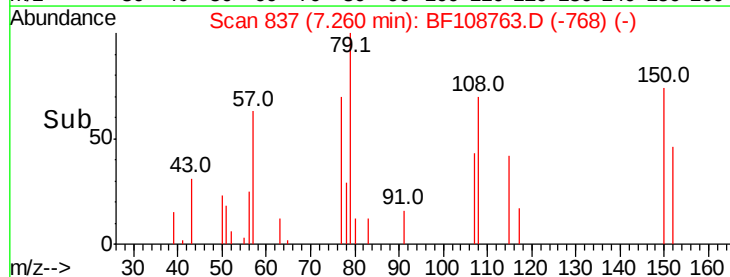
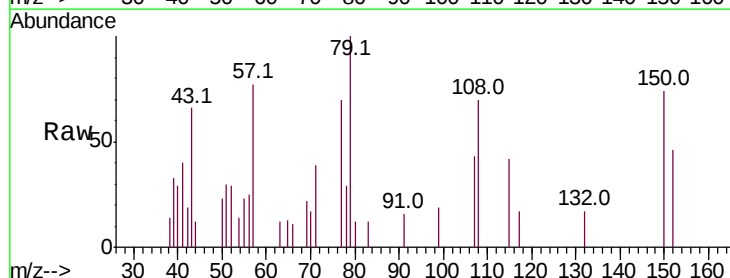


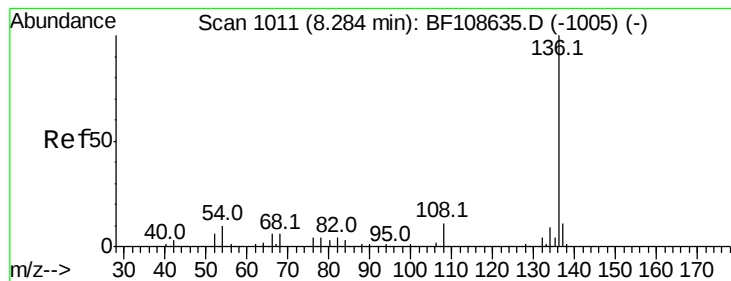
#15

Benzyl Alcohol

Concen: 10.573 ng m
RT: 7.26 min Scan# 837
Delta R.T. 0.11 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	34462		
108	70.0		65.1	97.7
77	69.7		50.6	75.8





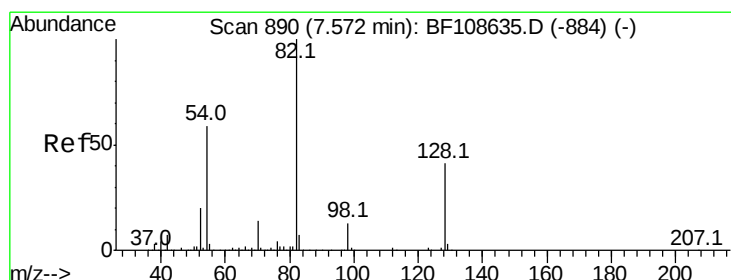
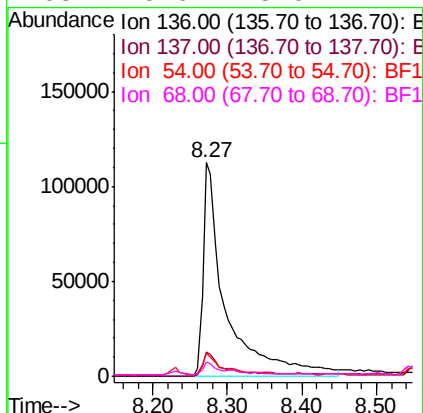
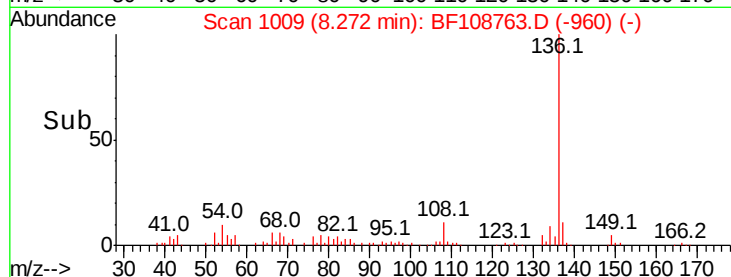
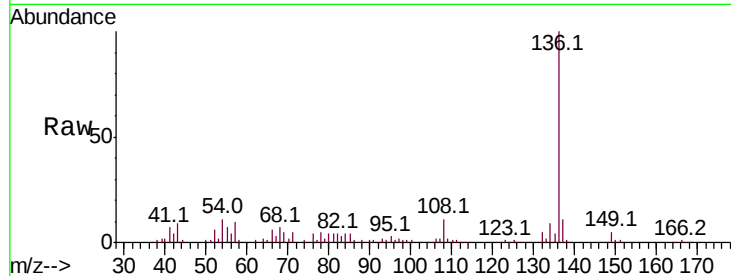
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :
DW-09DL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.7	6.6	9.8
68	6.6	5.0	7.4

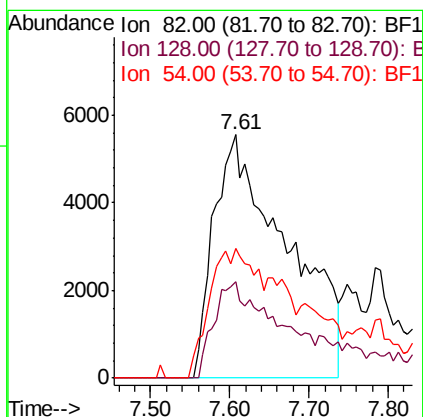
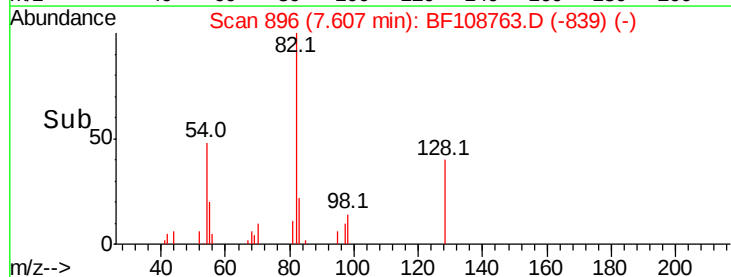
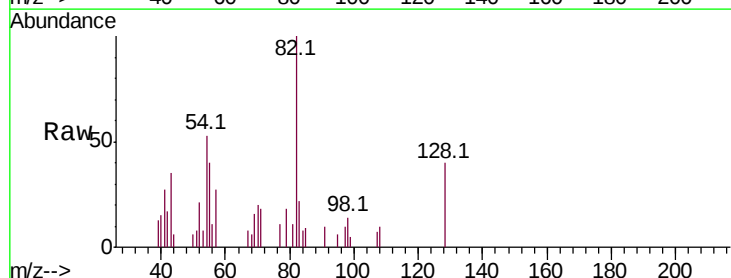
Manual Integrations
APPROVED

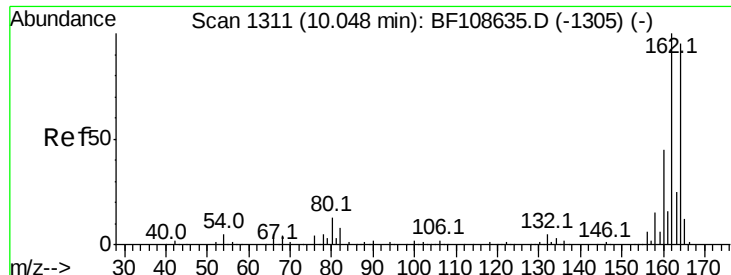
Sohil
9/5/2018 12:48:06 PM



#23
Nitrobenzene-d5
Concen: 7.521 ng
RT: 7.61 min Scan# 896
Delta R.T. 0.04 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.8	36.1	54.1
54	53.1	41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

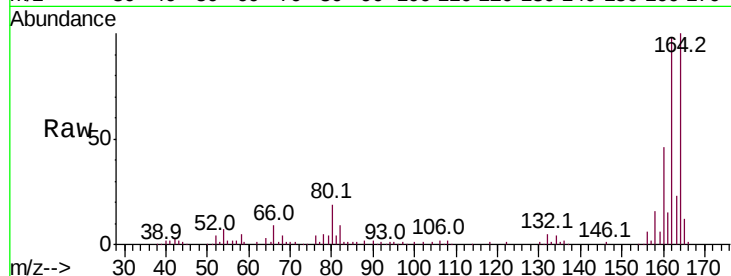
ClientSampleId :

DW-09DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	119885		
162	98.4	86.1	129.1	
160	45.6	38.3	57.5	

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:06 PM

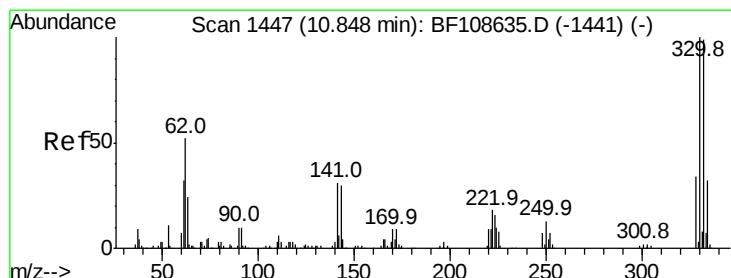
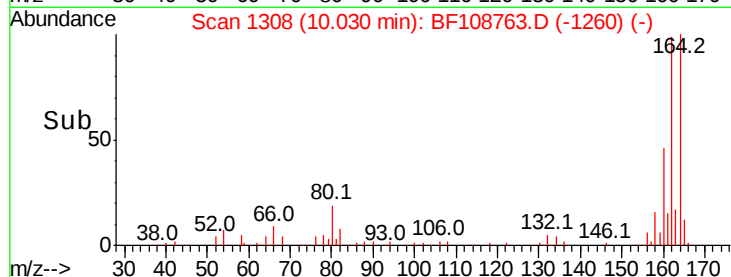
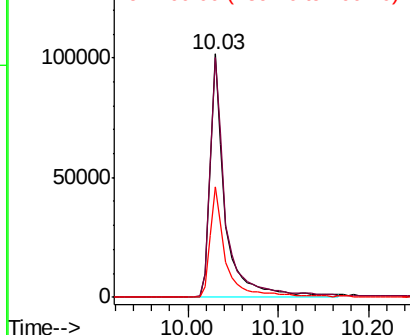


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 11.196 ng

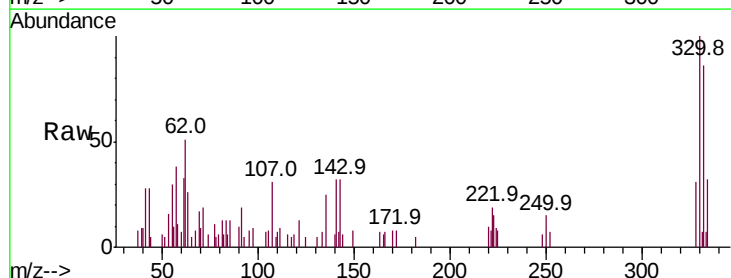
RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	17719		
332	91.6	77.0	115.6	
141	31.1	29.9	44.9	

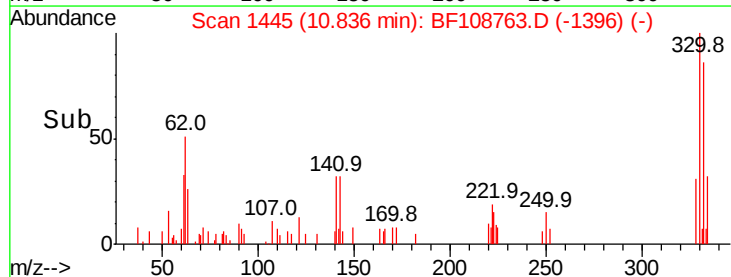
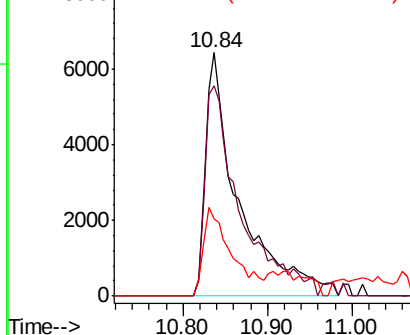


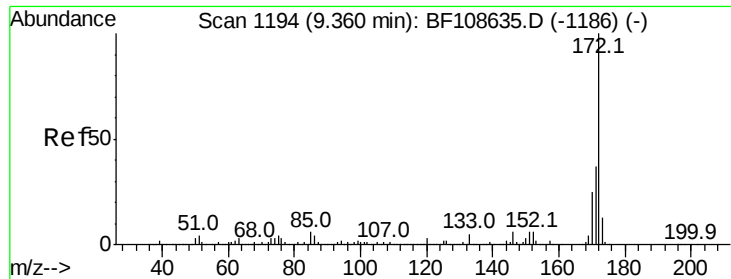
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





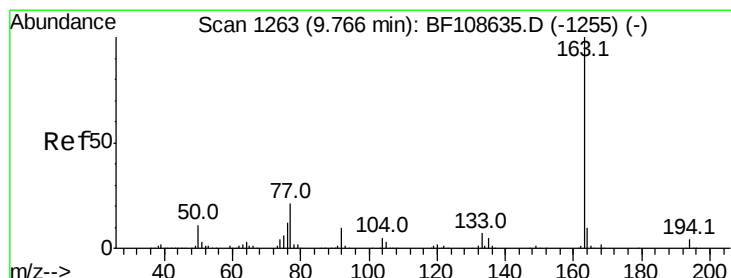
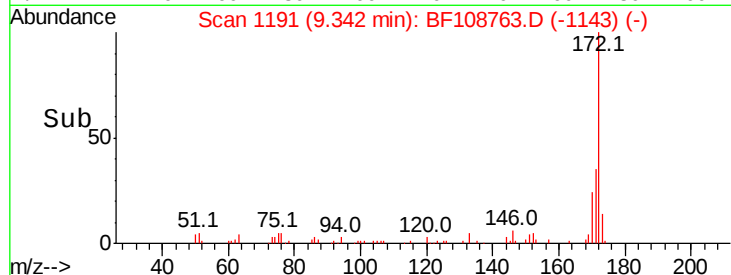
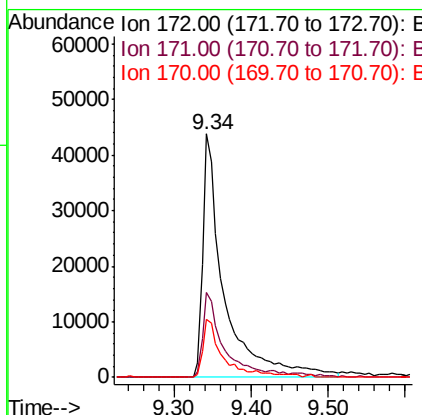
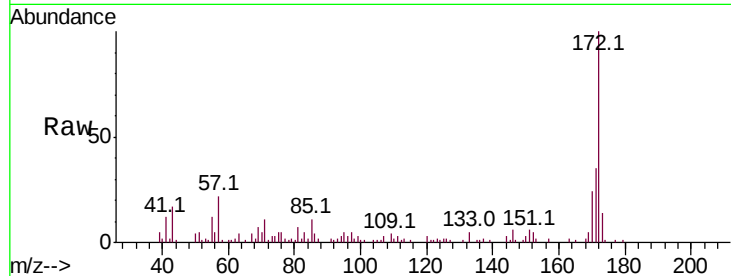
#44
2-Fluorobiphenyl
Concen: 9.521 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :
DW-09DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.7	44.5	
170	23.9	19.6	29.4	

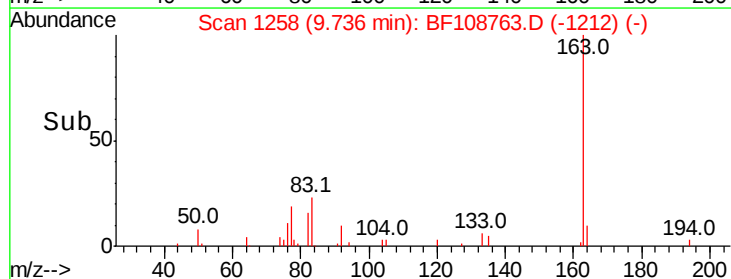
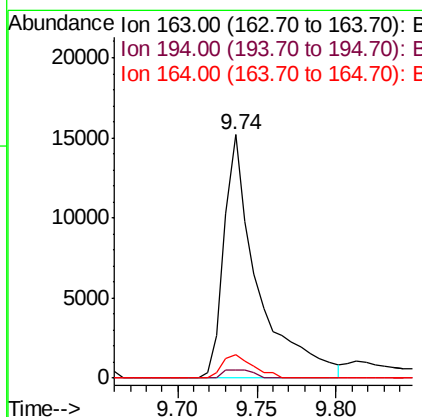
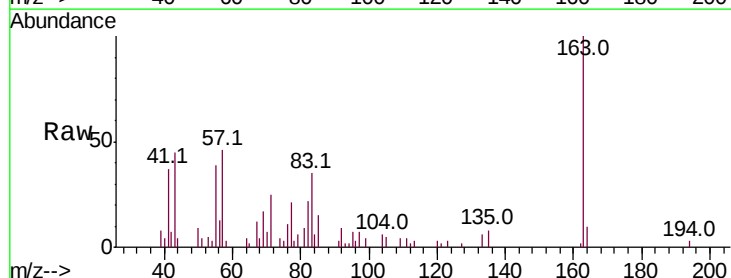
Manual Integrations
APPROVED

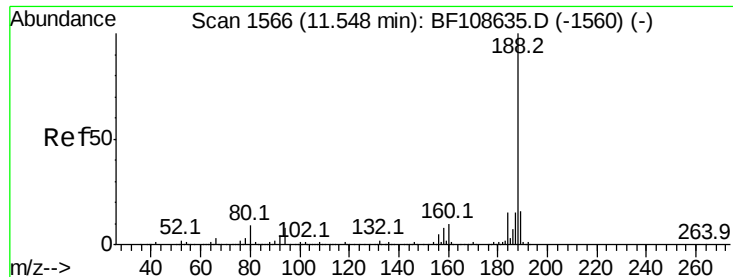
Sohil
9/5/2018 12:48:06 PM



#49
Dimethylphthalate
Concen: 2.371 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.7	4.1	
164	9.7	8.2	12.2	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.53 min Scan# 1563

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

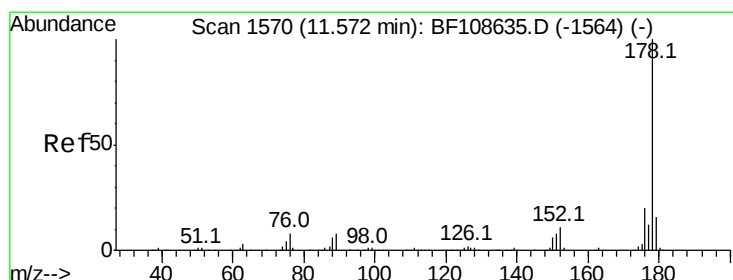
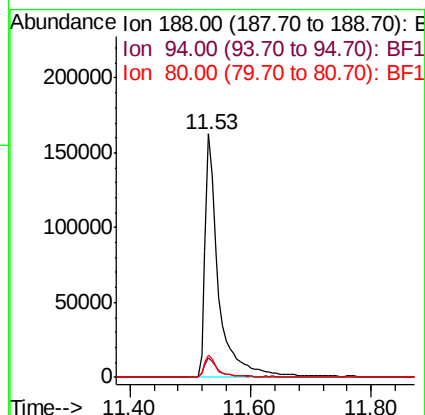
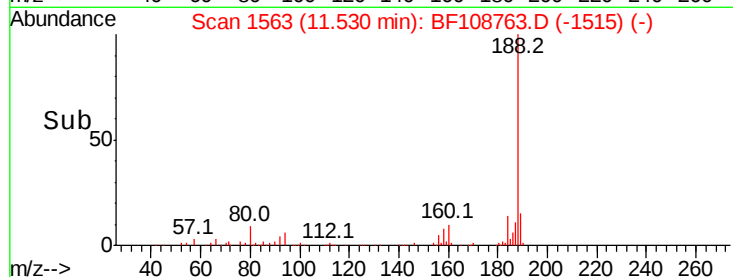
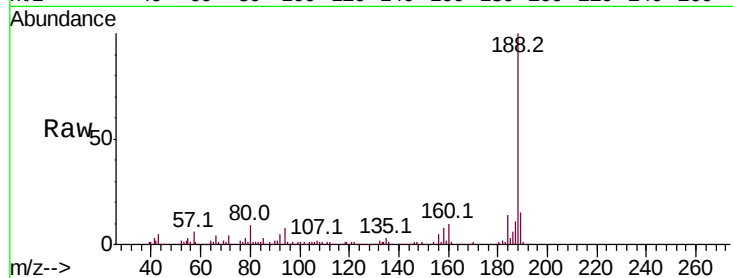
ClientSampleId :

DW-09DL

Tot Ion:	188	Resp:	255857
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.5	12.7#
80	9.0	9.2	13.8#

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:06 PM



#70

Phenanthrene

Concen: 3.895 ng

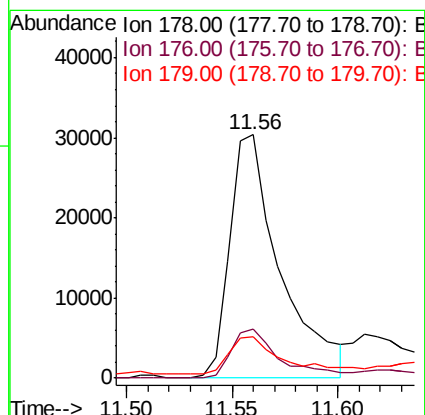
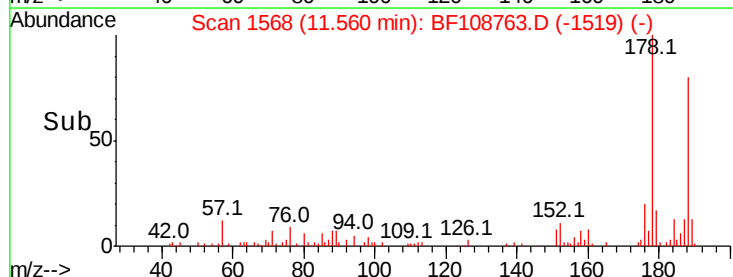
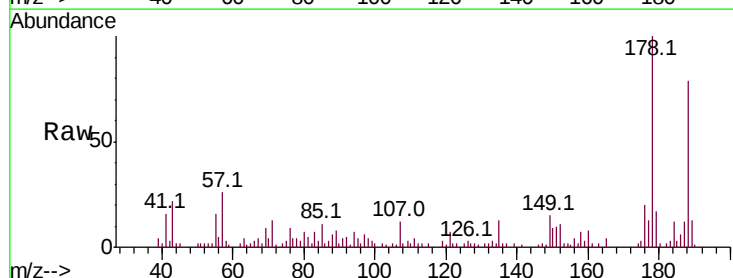
RT: 11.56 min Scan# 1568

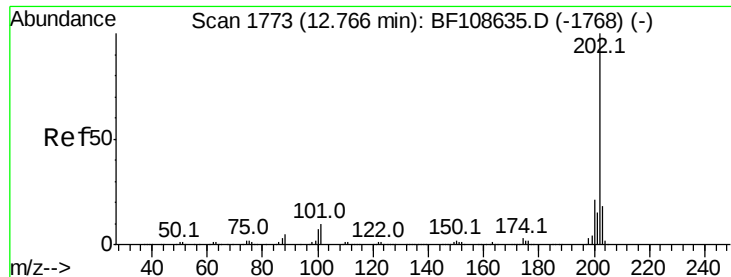
Delta R.T. -0.01 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Tgt Ion:	178	Resp:	50298
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.8	23.8
179	17.2	13.0	19.6





#74

Fluoranthene

Concen: 13.681 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Instrument :

BNA_F

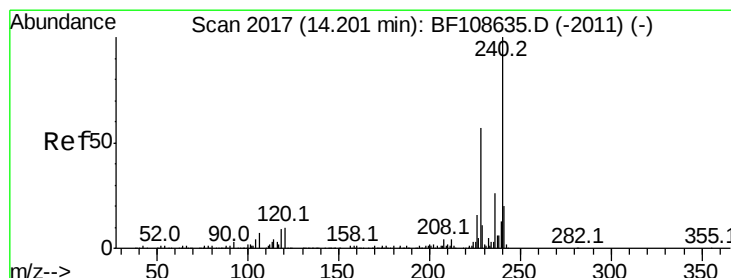
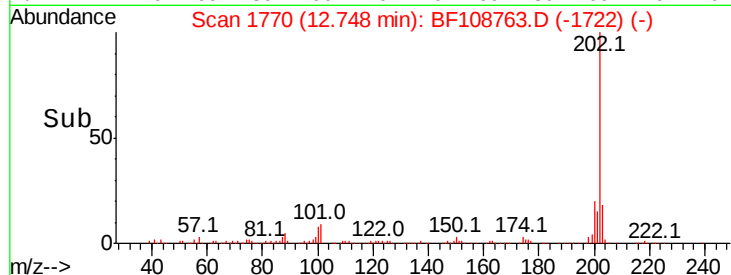
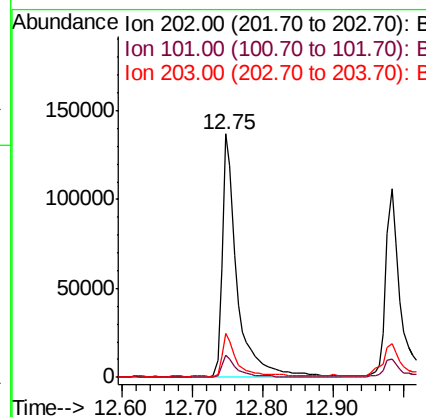
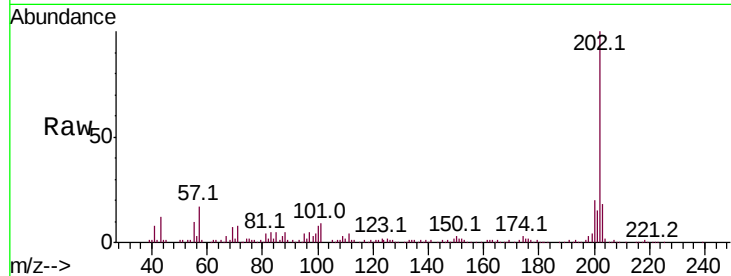
ClientSampleId :

DW-09DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.3	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
APPROVED

Sohil
9/5/2018 12:48:06 PM



#75

Chrysene-d12

Concen: 20.000 ng

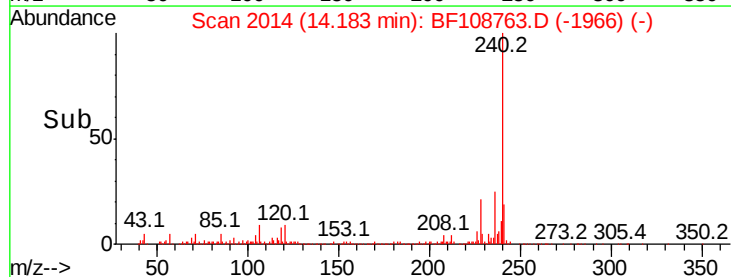
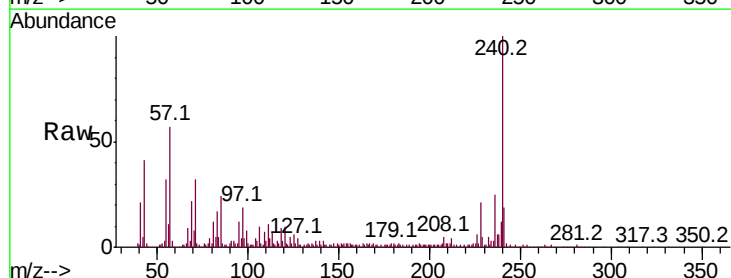
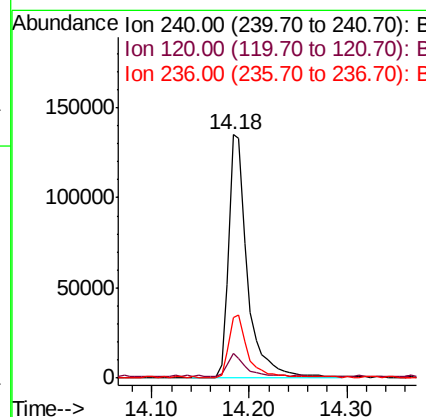
RT: 14.18 min Scan# 2014

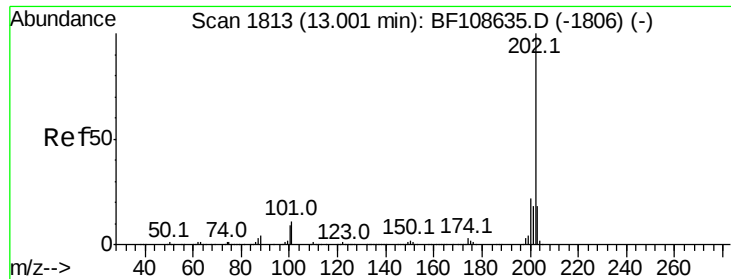
Delta R.T. -0.02 min

Lab File: BF108763.D

Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	9.5	14.3
236	25.0	20.7	31.1





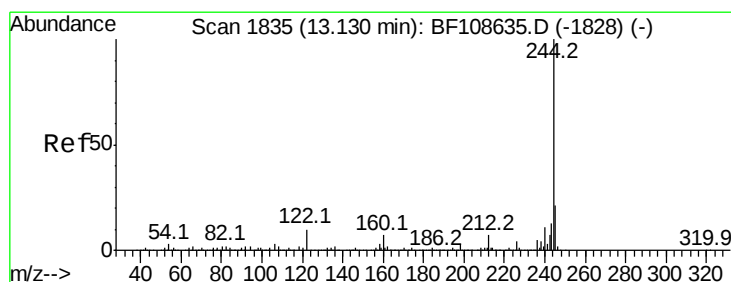
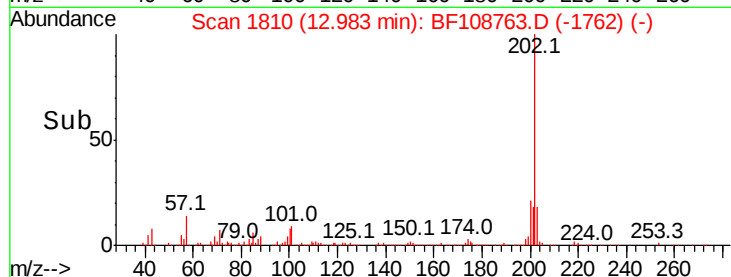
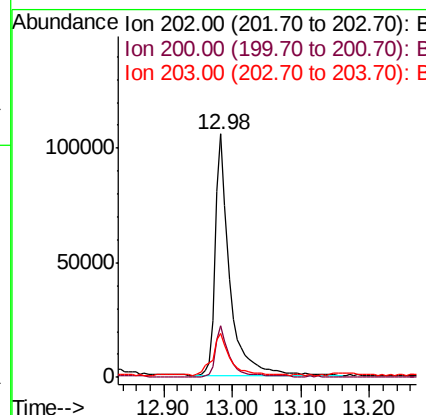
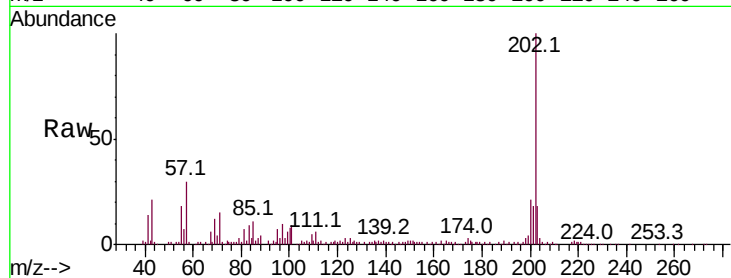
#77
Pvrene
Concen: 11.349 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :
DW-09DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.1	14.3	21.5

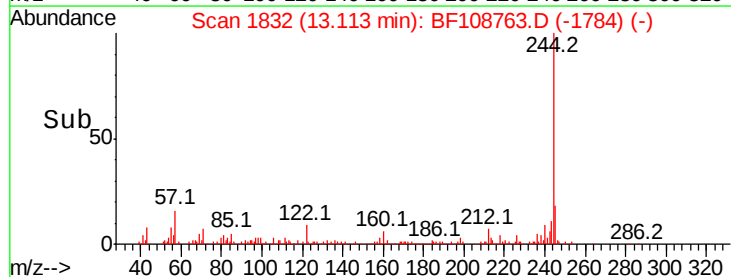
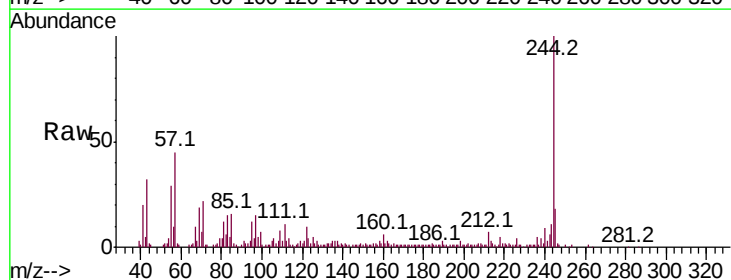
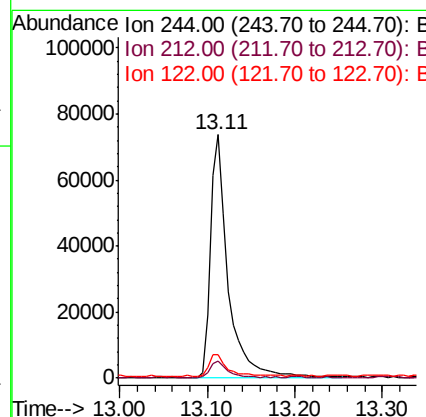
Manual Integrations
APPROVED

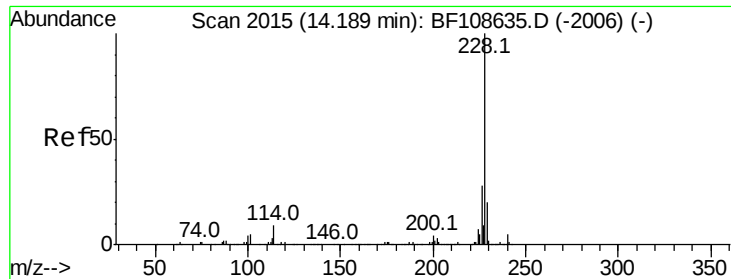
Sohil
9/5/2018 12:48:06 PM



#78
Terphenyl-d14
Concen: 11.110 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.6	11.0	16.4#





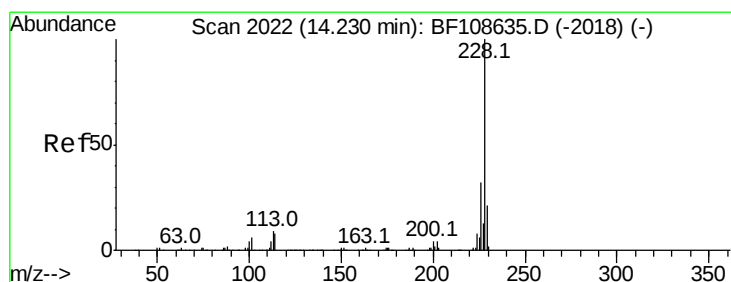
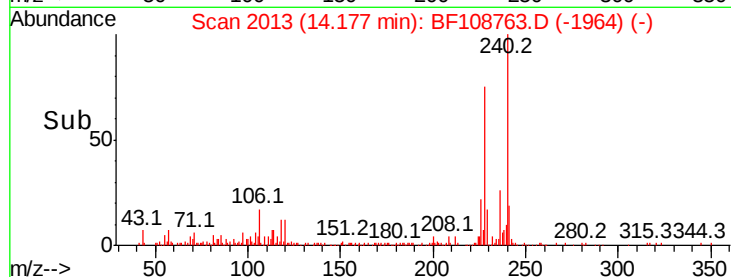
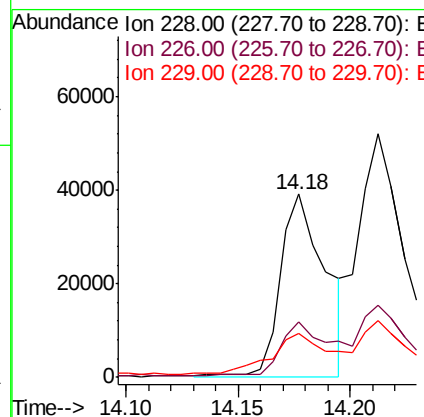
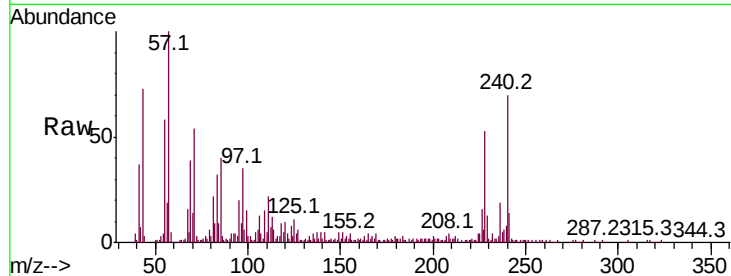
#80
Benzo(a)anthracene
Concen: 4.977 ng m
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :
DW-09DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	24.1	15.8	23.6

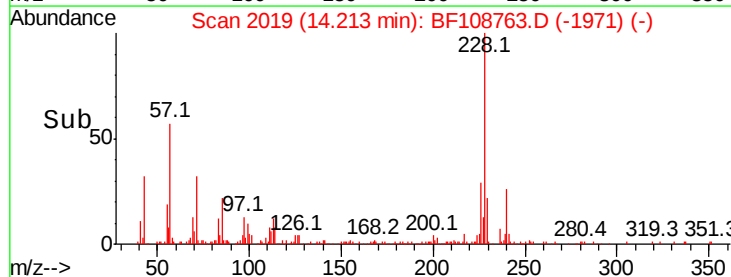
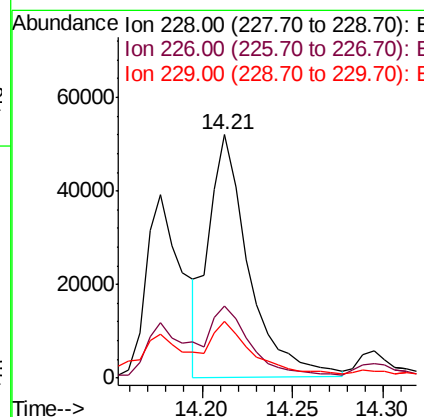
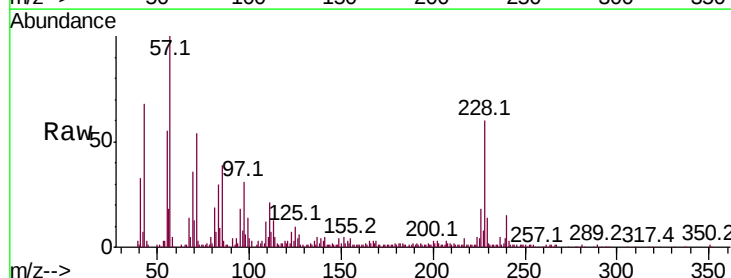
Manual Integrations
APPROVED

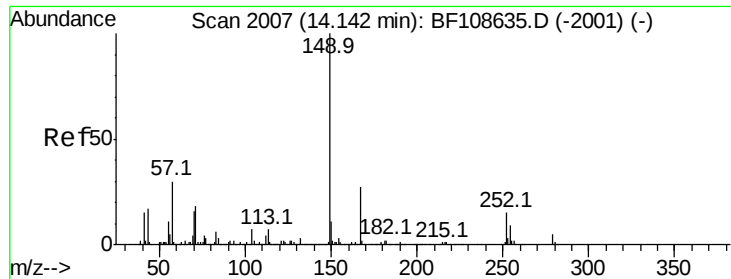
Sohil
9/5/2018 12:48:06 PM



#82
Chrysene
Concen: 7.420 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.2	16.2	24.4





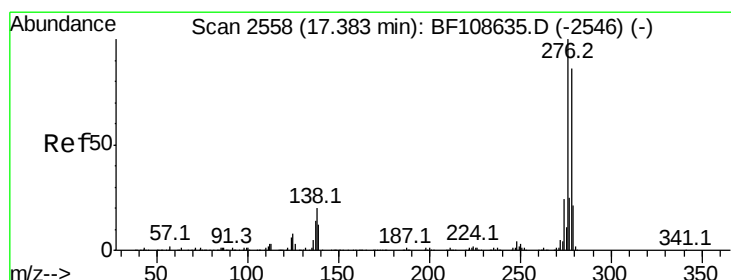
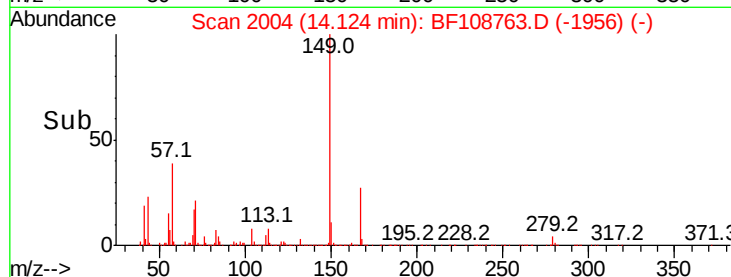
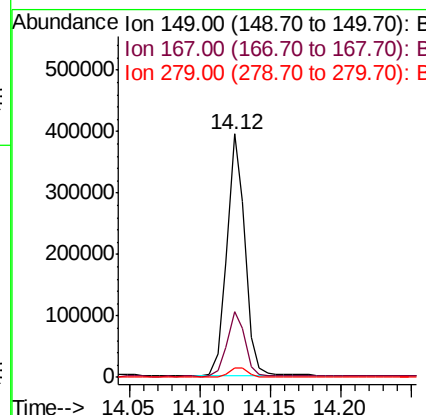
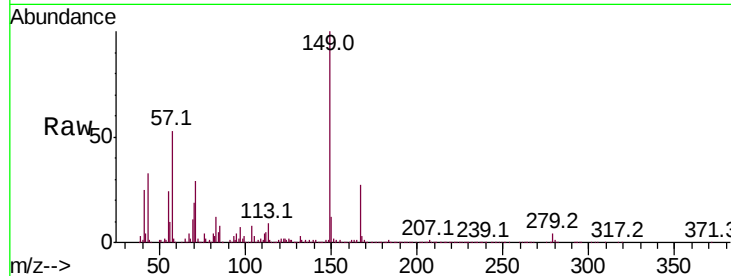
#83
Bis(2-ethylhexyl)phthalate
Concen: 47.213 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampled :
DW-09DL

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	27.2	21.3	31.9	
279	4.0	3.0	4.4	

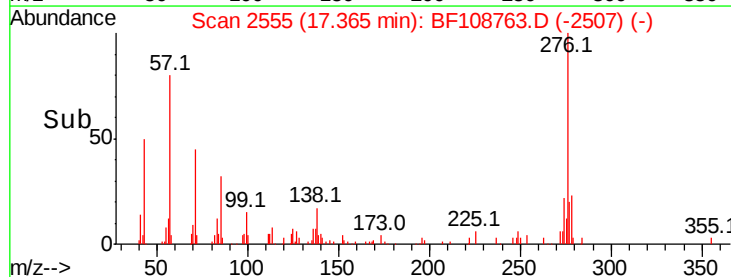
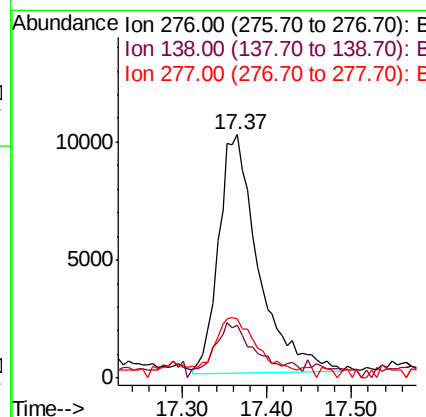
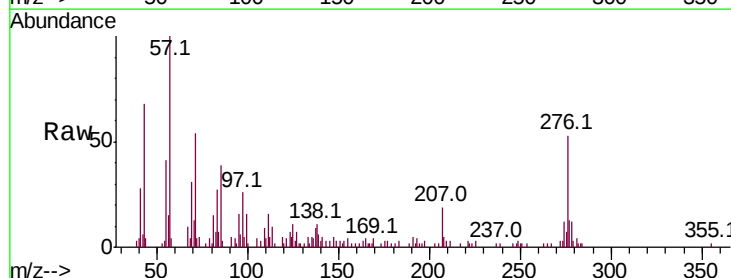
Manual Integrations
APPROVED

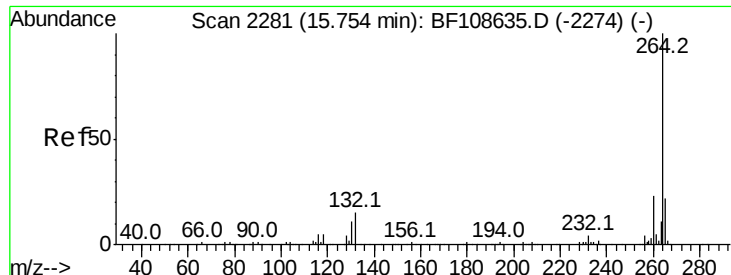
Sohil
9/5/2018 12:48:06 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.470 ng
RT: 17.37 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	23.8	25.0	37.6#	
277	23.9	20.1	30.1	





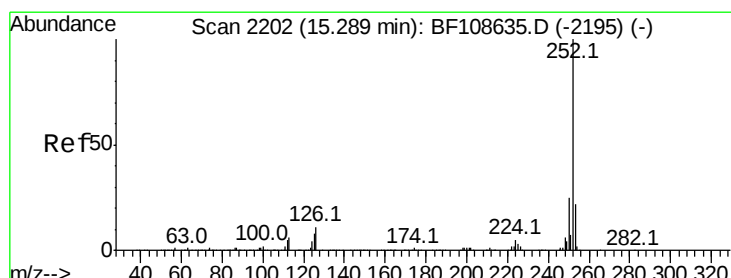
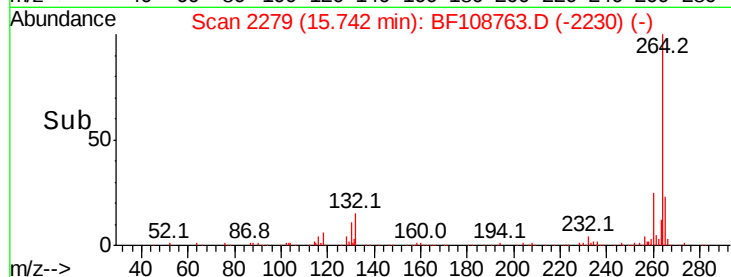
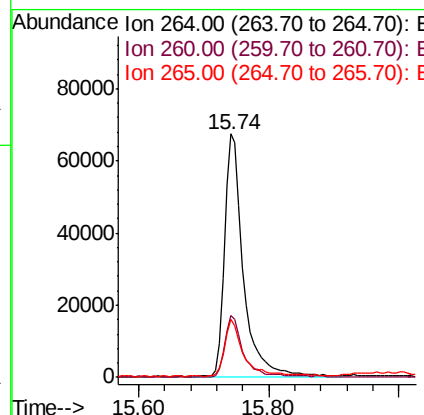
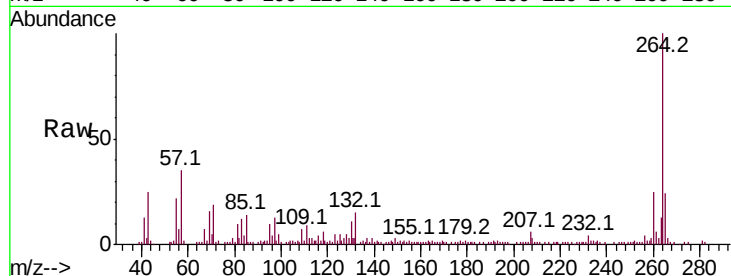
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampleId :
DW-09DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	23.8	17.5	26.3

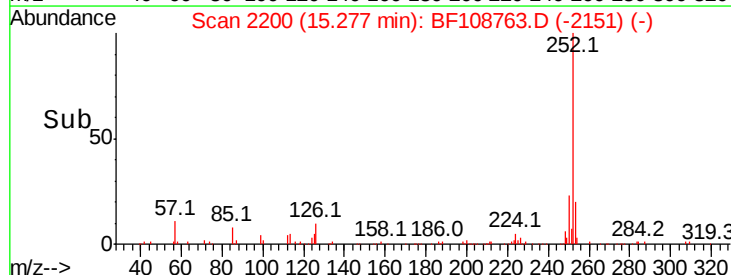
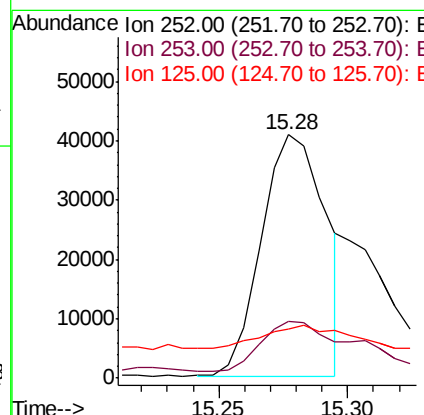
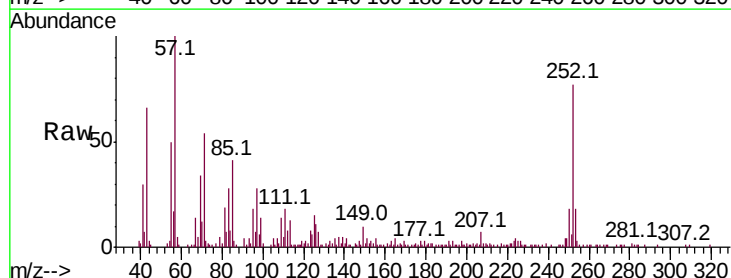
Manual Integrations
APPROVED

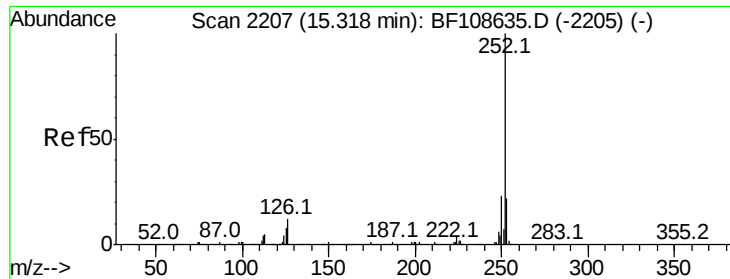
Sohil
9/5/2018 12:48:06 PM



#87
Benzo(b)fluoranthene
Concen: 8.478 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	19.9	9.0	13.6#





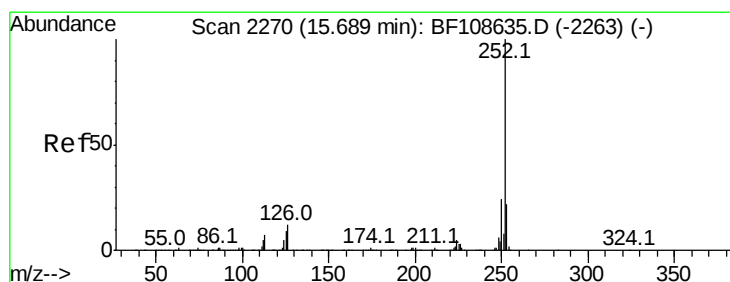
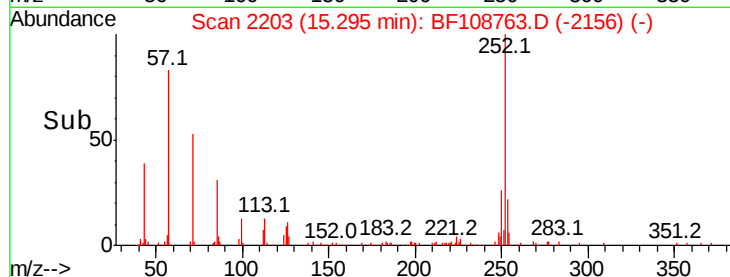
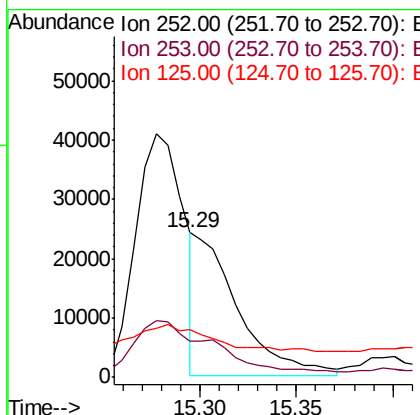
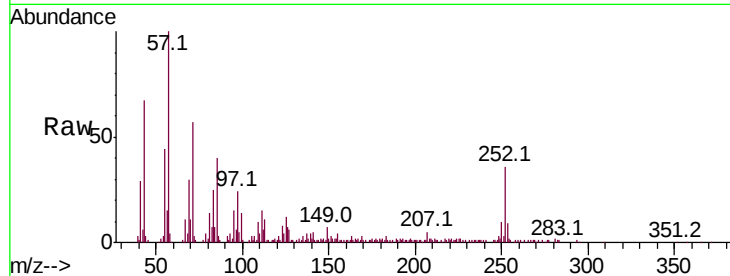
#88
Benzo(k)fluoranthene
Concen: 4.382 ng m
RT: 15.29 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Instrument :
BNA_F
ClientSampled :
DW-09DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	32.9	10.2	15.2#

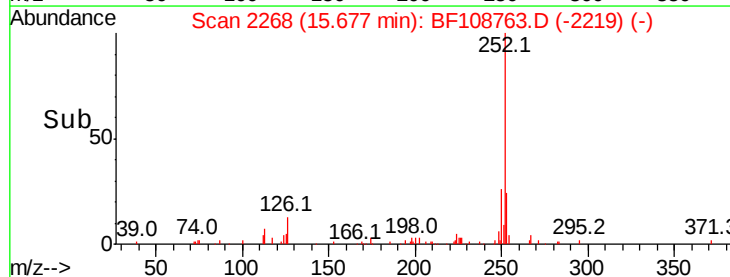
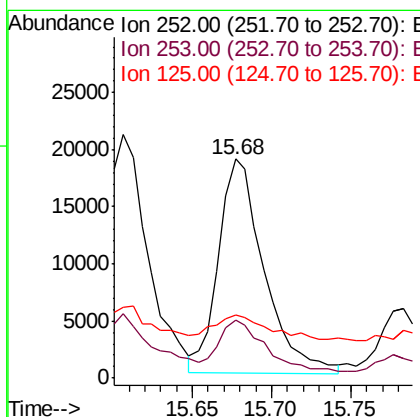
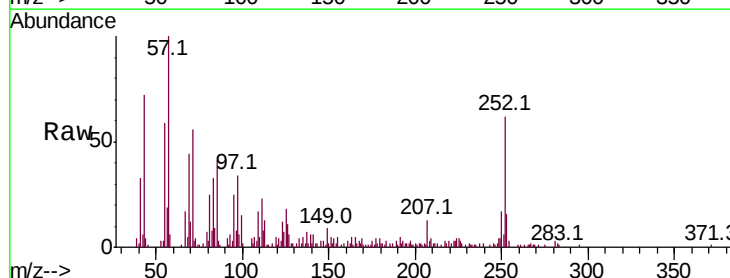
Manual Integrations
APPROVED

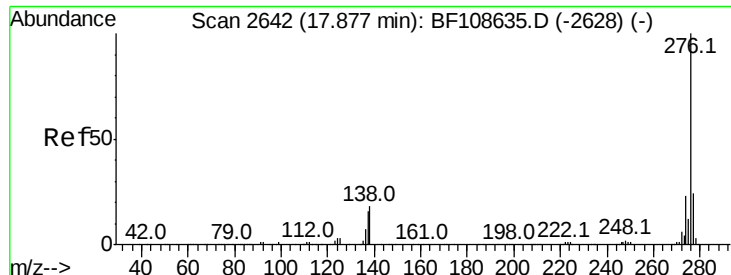
Sohil
9/5/2018 12:48:06 PM



#89
Benzo(a)pyrene
Concen: 4.942 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108763.D
Acq: 5 Sep 2018 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7#
125	28.6	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 6.002 ng
 RT: 17.85 min Scan# 2637
 Delta R.T. -0.03 min
 Lab File: BF108763.D
 Acq: 5 Sep 2018 3:46

Instrument :
 BNA_F
 ClientSampleId :
 DW-09DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	20.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:48:06 PM

