

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108757.D
 Acq On : 4 Sep 2018 22:38
 Operator : JU/SJ
 Sample : J4756-01 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WE-3

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:55 PM

Quant Time: Sep 05 11:18:58 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	51551	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	251444	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	128291	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	274188	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	199225	20.00	ng	-0.01
86) Perylene-d12	15.74	264	147676	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	38172m	12.86	ng	0.14
7) Phenol-d6	6.68	99	80504m	18.94	ng	0.03
23) Nitrobenzene-d5	7.61	82	60566m	12.23	ng	0.04
41) 2,4,6-Tribromophenol	10.83	330	25867	15.27	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	134449	14.09	ng	-0.02
78) Terphenyl-d14	13.11	244	173040	16.88	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	30434	3.013	ng	98
70) Phenanthrene	11.55	178	147084	10.628	ng	98
71) Anthracene	11.61	178	62053	4.267	ng	98
74) Fluoranthene	12.75	202	267442	17.168	ng	94
77) Pyrene	12.98	202	251341	16.783	ng	99
80) Benzo(a)anthracene	14.18	228	93243	7.677	ng	97
82) Chrysene	14.21	228	88087	7.542	ng	98
85) Indeno(1,2,3-cd)pyrene	17.36	276	31573	3.888	ng	# 86
87) Benzo(b)fluoranthene	15.28	252	72284m	7.968	ng	
88) Benzo(k)fluoranthene	15.30	252	27656m	3.077	ng	
89) Benzo(a)pyrene	15.68	252	57584	7.024	ng	94
91) Benzo(a,h,i)perylene	17.85	276	35639	5.600	ng	91

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

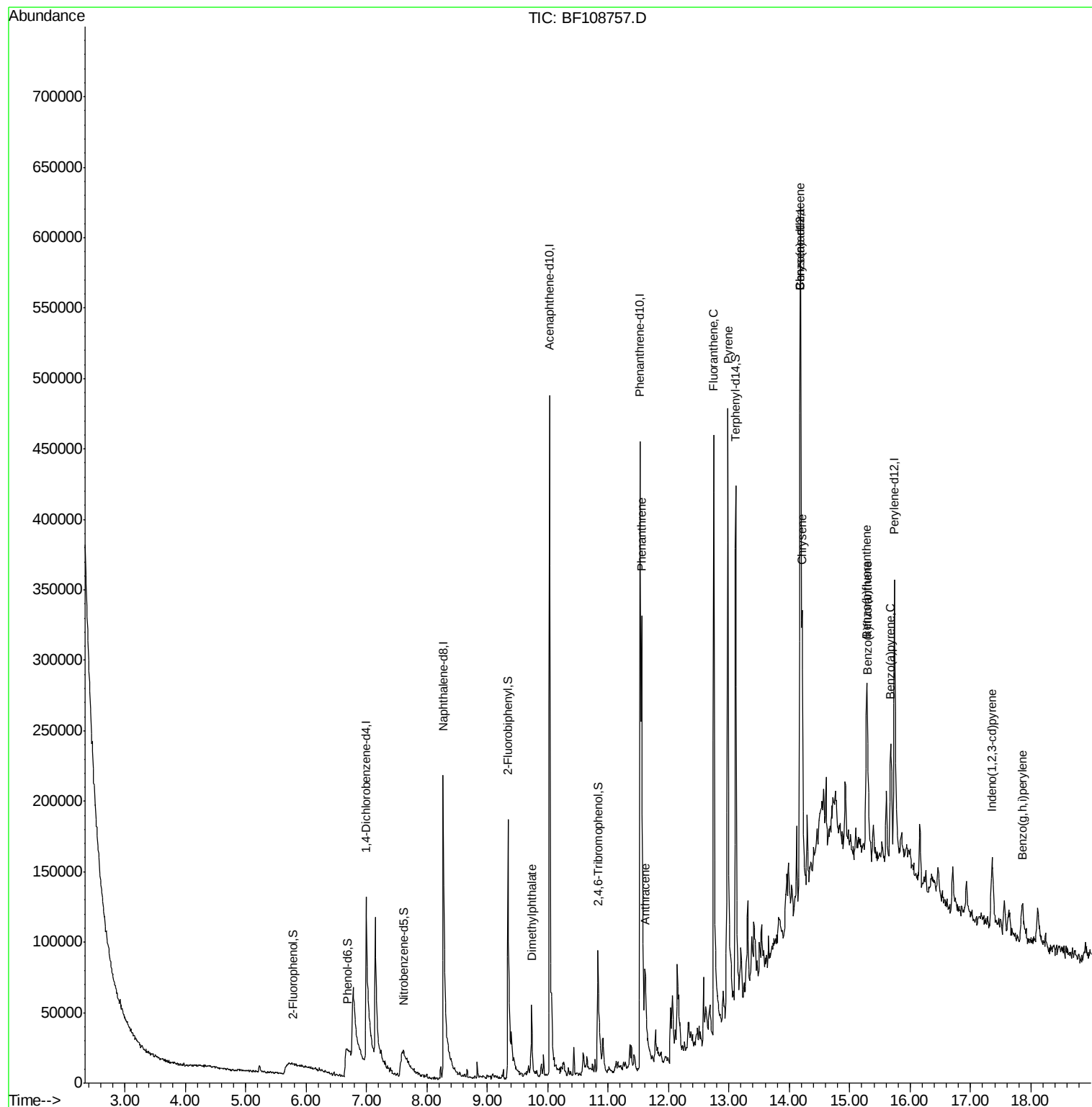
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108757.D
Acq On : 4 Sep 2018 22:38
Operator : JU/SJ
Sample : J4756-01 4X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
WE-3

Quant Time: Sep 05 11:18:58 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

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM





#1

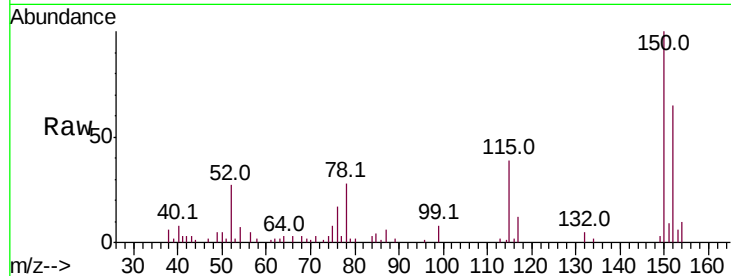
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :
WE-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	59.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM

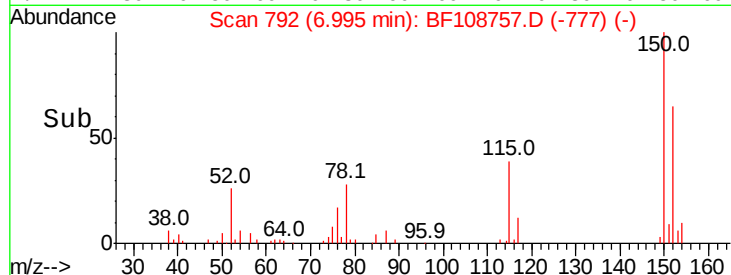
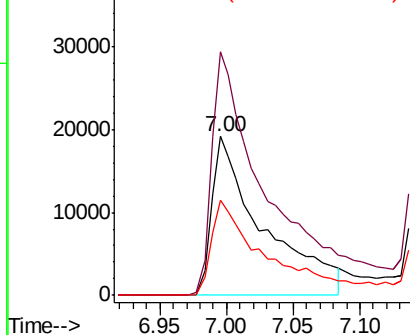


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

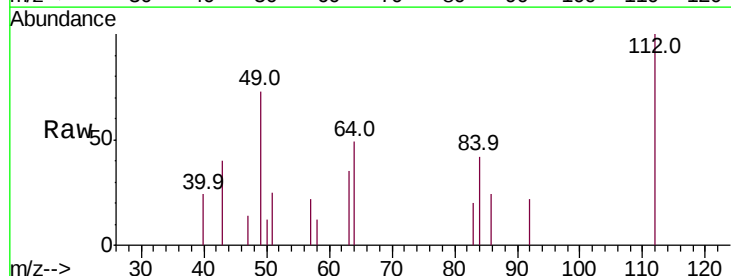
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 12.863 ng m
RT: 5.78 min Scan# 586
Delta R.T. 0.14 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.1	47.9	71.9
63	35.1	23.7	35.5

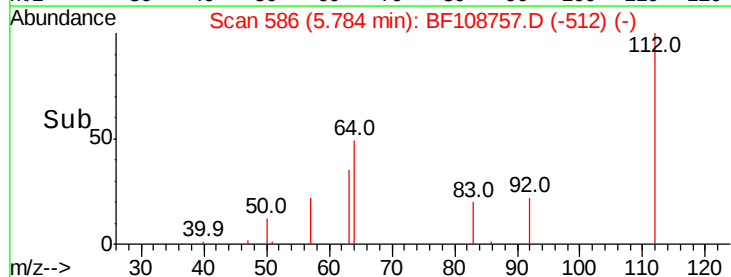
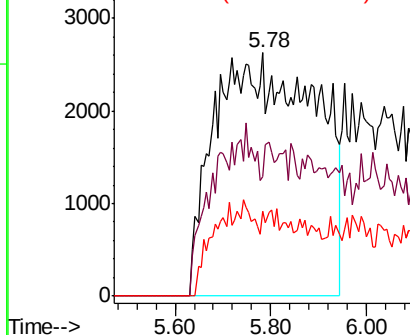


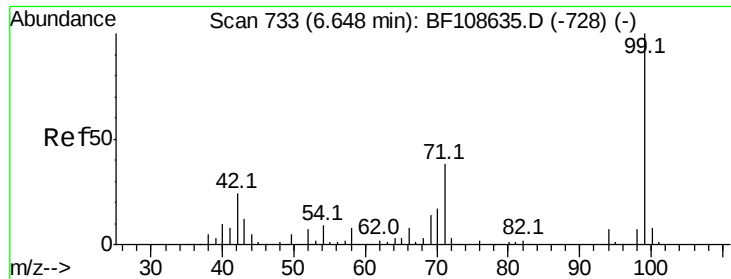
Abundance

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

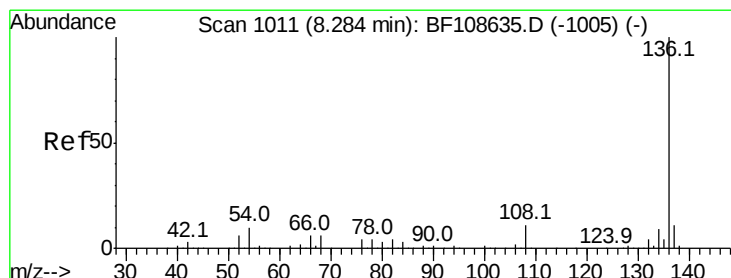
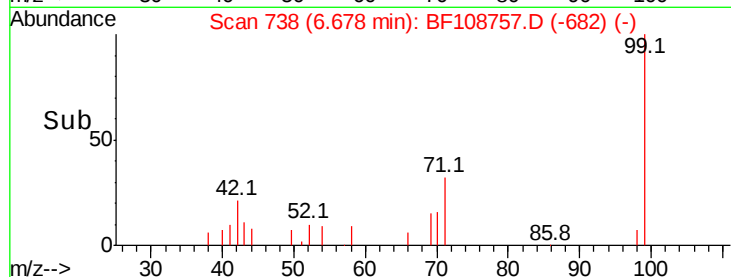
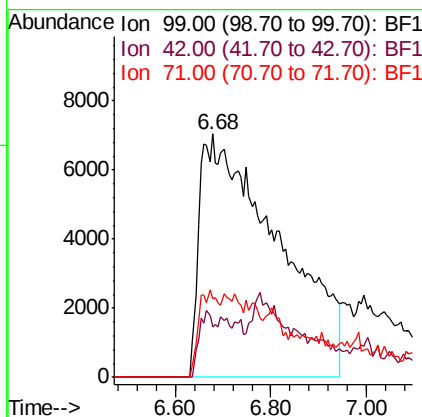
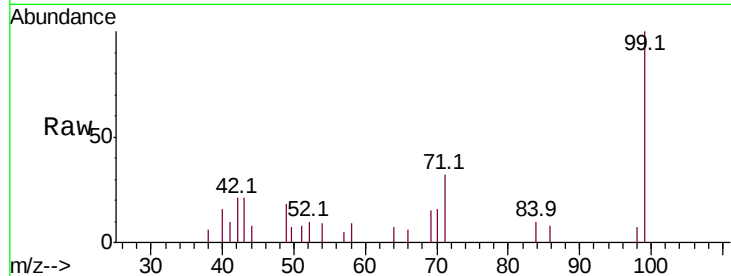
Concen: 18.941 ng/ml
 RT: 6.68 min Scan# 738
 Delta R.T. 0.03 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

Instrument :
 BNA_F
 ClientSampled :
 WE-3

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	20.9	14.5	21.7	
71	32.3	25.4	38.0	

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:55 PM

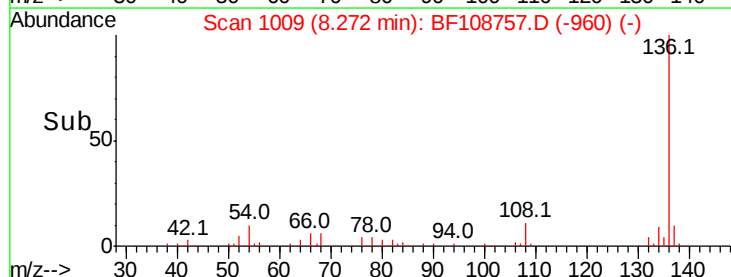
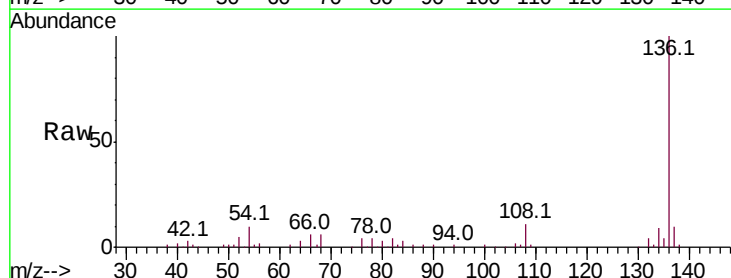
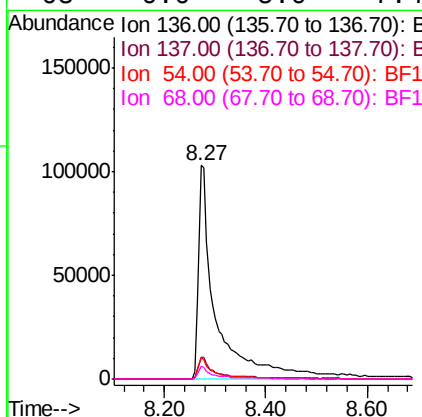


#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.27 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.2	8.9	13.3	
54	10.1	6.6	9.8	
68	6.0	5.0	7.4	





#23

Nitrobenzene-d5

Concen: 12.226 ng

RT: 7.61 min Scan# 897

Delta R.T. 0.04 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

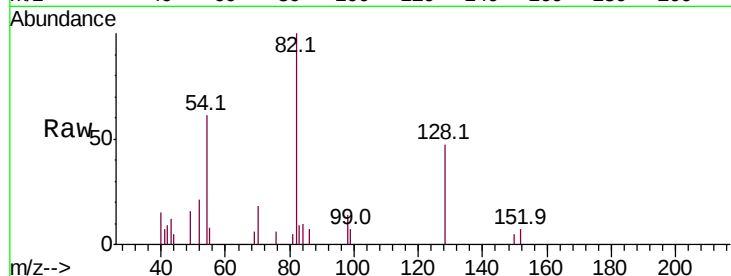
ClientSampled :

WE-3

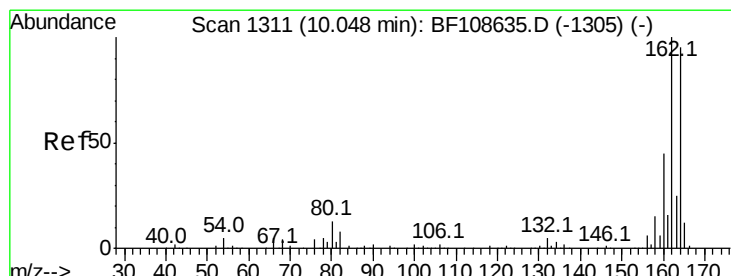
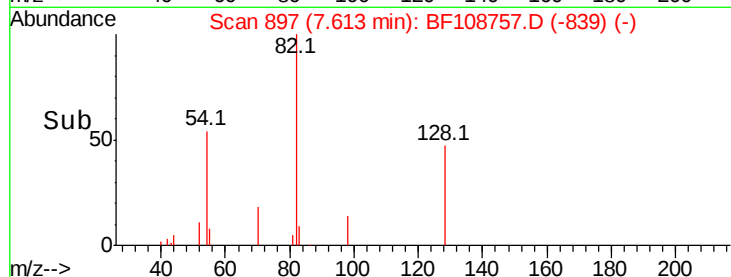
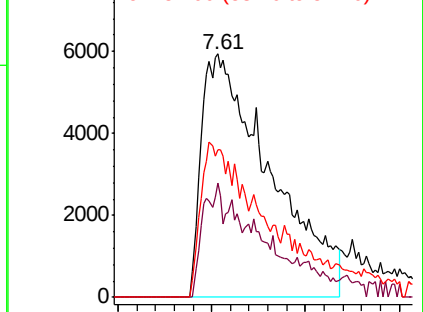
Tot Ion:	82	Resp:	60566
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	60.6	41.4	62.2

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

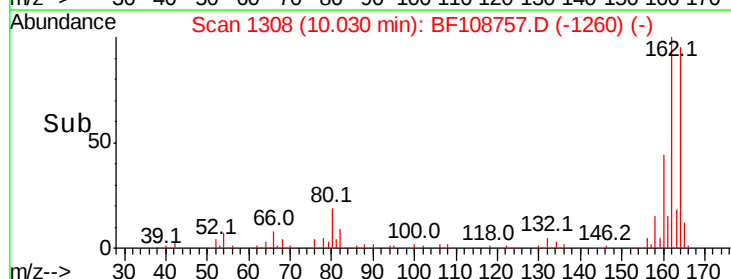
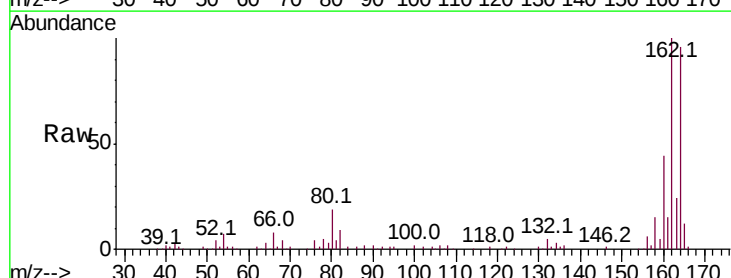
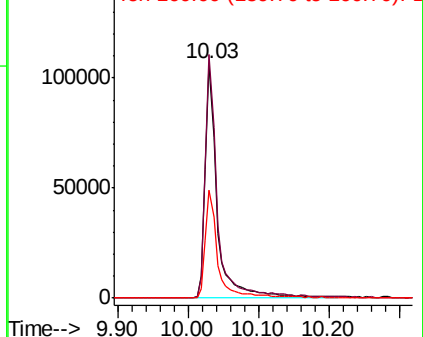
Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Tgt Ion:	164	Resp:	128291
Ion Ratio	Lower	Upper	
164	100		
162	104.1	86.1	129.1
160	46.3	38.3	57.5

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





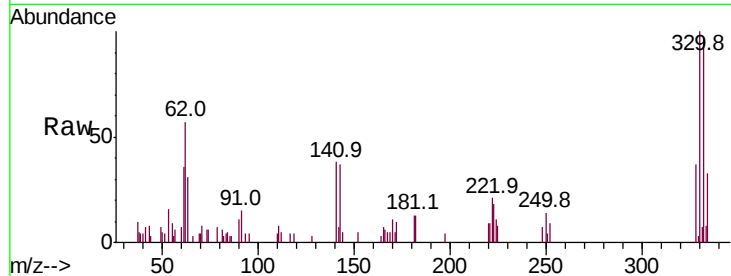
#41
 2,4,6-Tribromophenol
 Concen: 15.273 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

Instrument :
 BNA_F
 ClientSampled :
 WE-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	25867		
332	94.5		77.0	115.6
141	33.1		29.9	44.9

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:55 PM

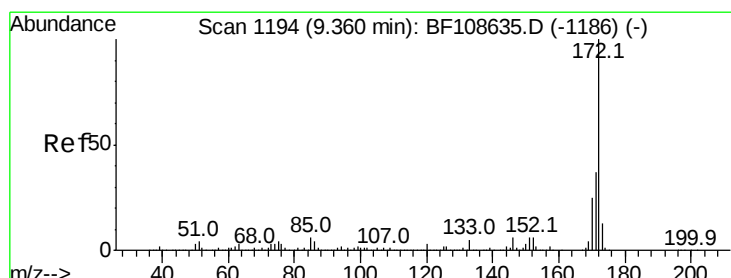
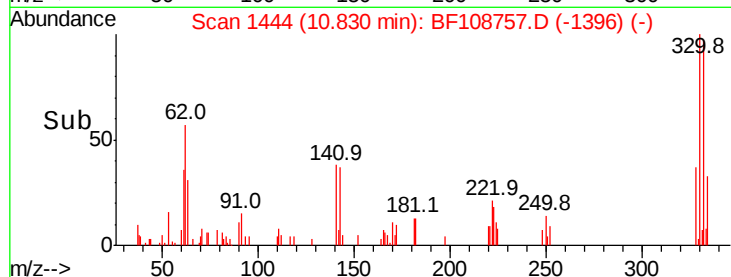
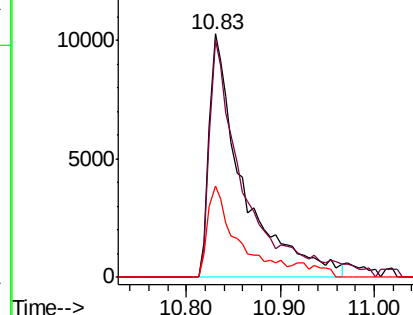


Abundance

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: 14.091 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108757.D
 Acq: 4 Sep 2018 22:38

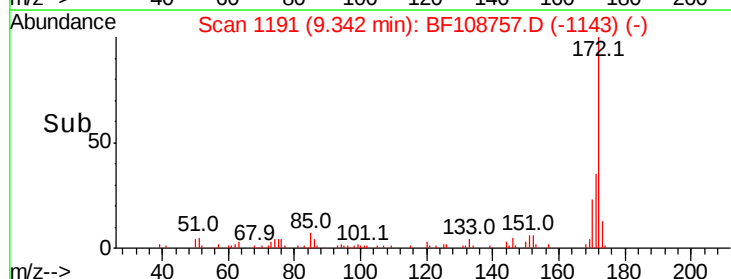
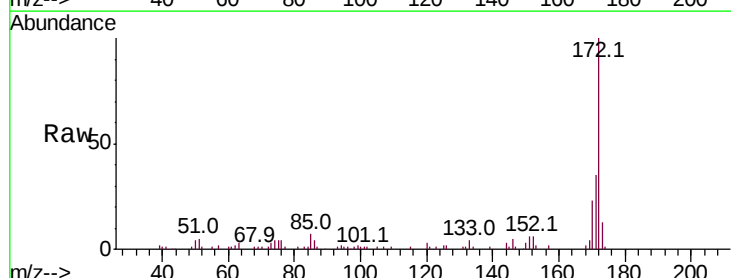
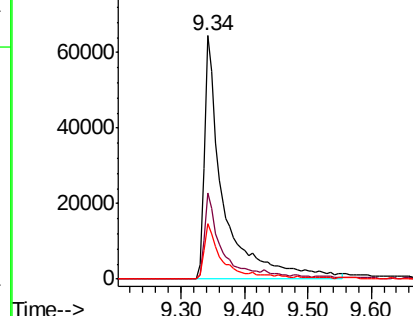
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	134449		
171	35.2		29.7	44.5
170	22.6		19.6	29.4

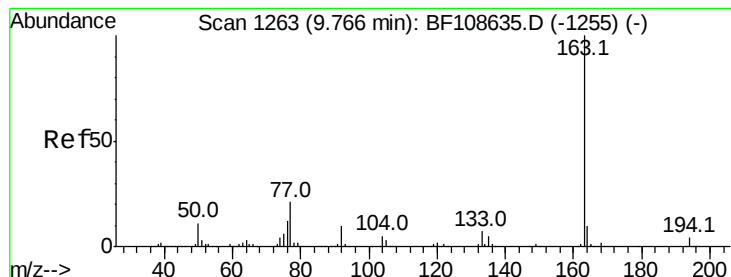
Abundance

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





#49

Dimethylphthalate

Concen: 3.013 ng

RT: 9.74 min Scan# 1258

Delta R.T. -0.03 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

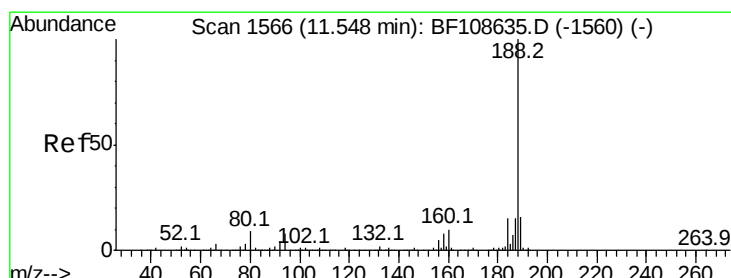
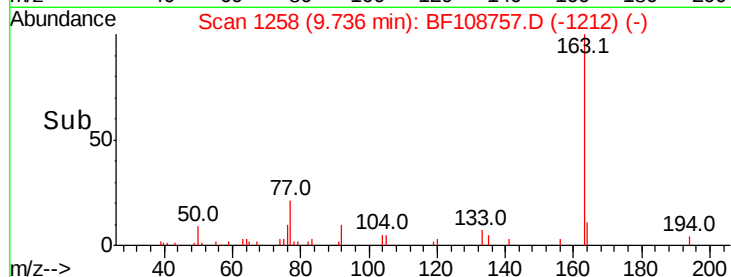
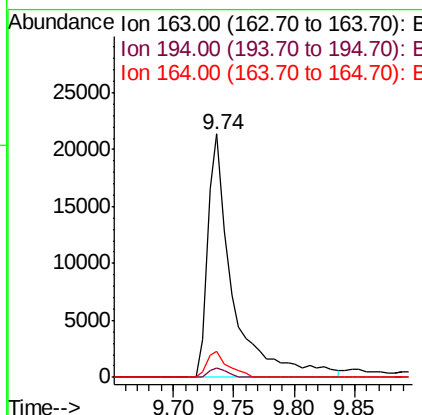
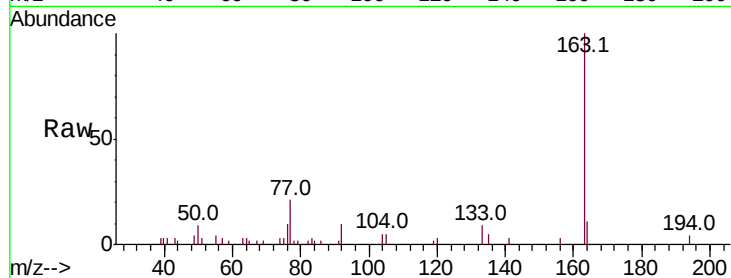
ClientSampled :

WE-3

Tot Ion:	163	Resp:	30434
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1
164	10.7	8.2	12.2

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

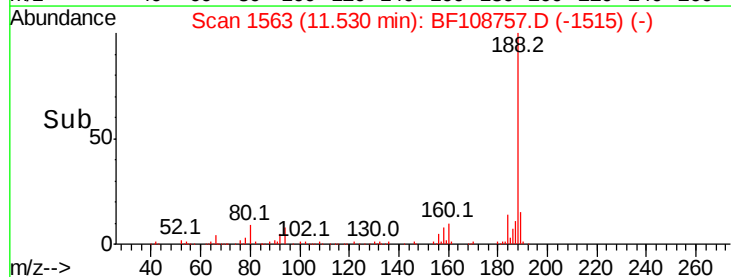
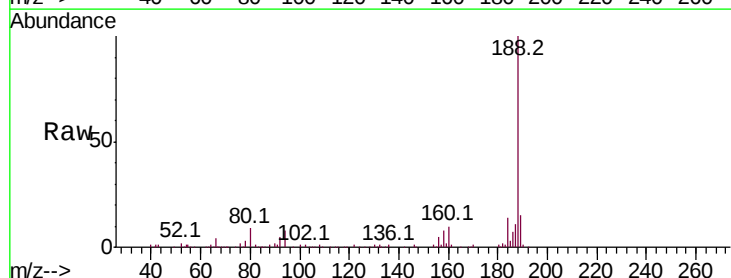
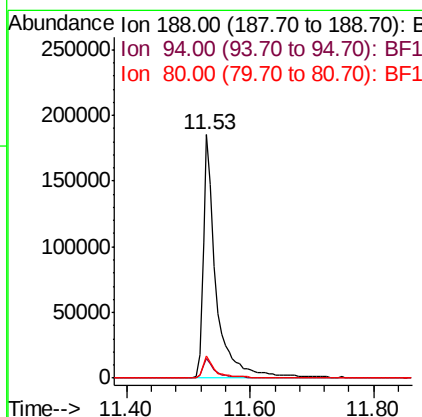
RT: 11.53 min Scan# 1563

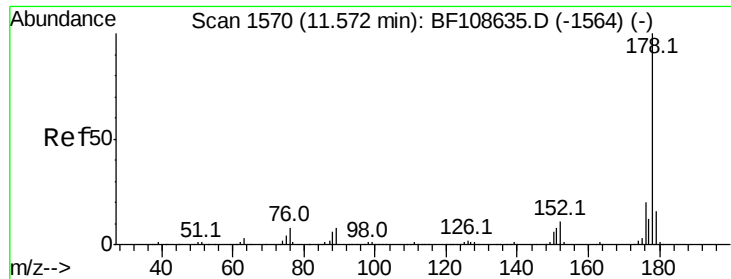
Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Tgt Ion:	188	Resp:	274188
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.5	12.7#
80	8.9	9.2	13.8#





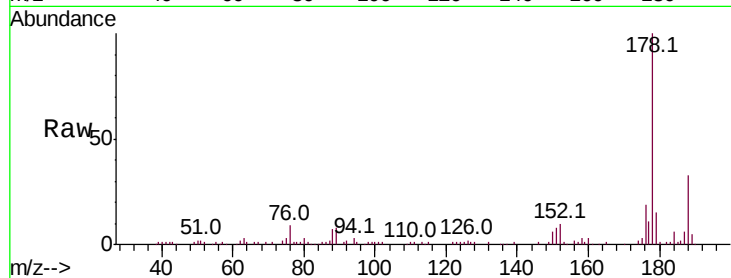
#70
Phenanthrene
Concen: 10.628 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampled :
WE-3

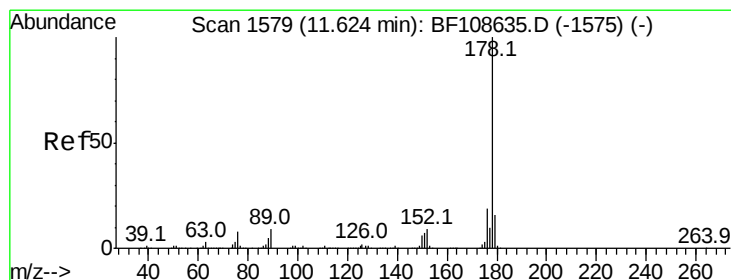
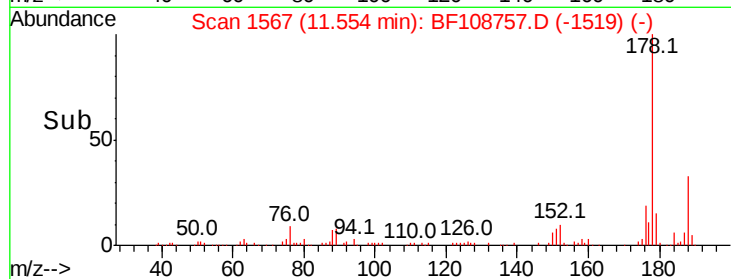
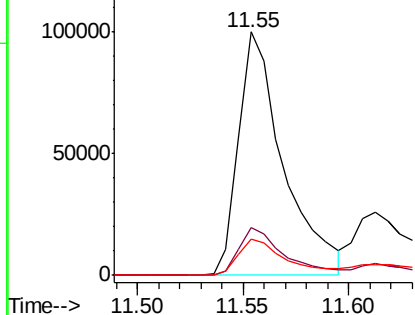
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	14.9	13.0	19.6

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM



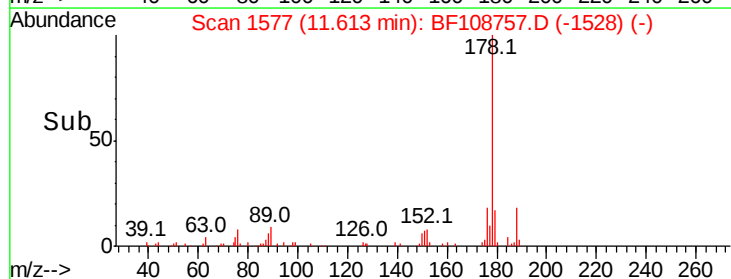
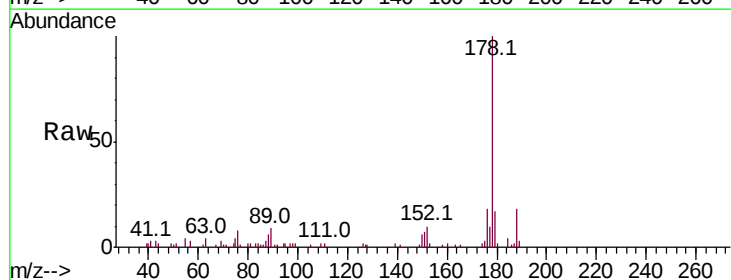
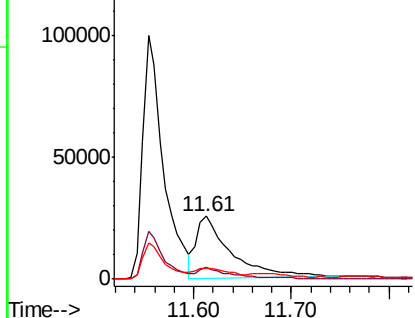
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

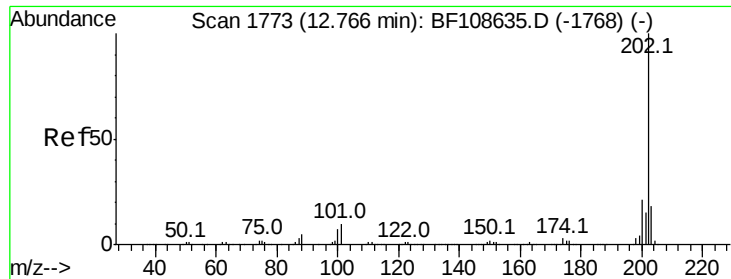


#71
Anthracene
Concen: 4.267 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.6	12.6	19.0

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





#74

Fluoranthene

Concen: 17.168 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108757.D

Acq: 4 Sep 2018 22:38

Instrument :

BNA_F

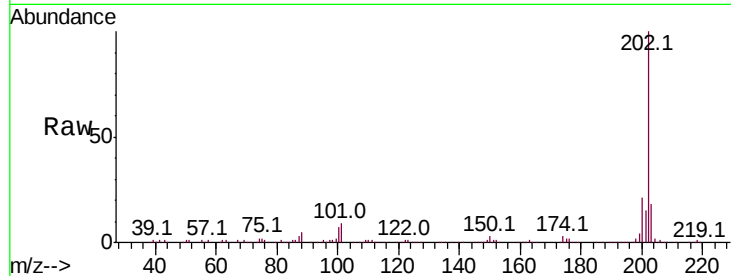
ClientSampled :

WE-3

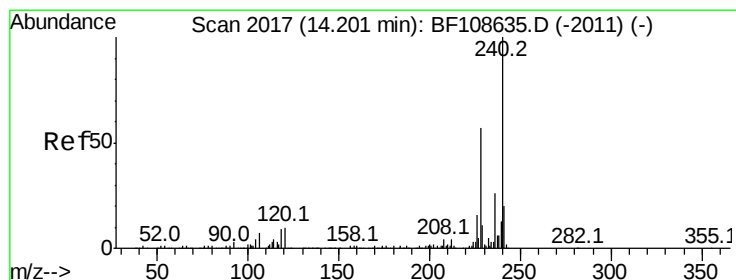
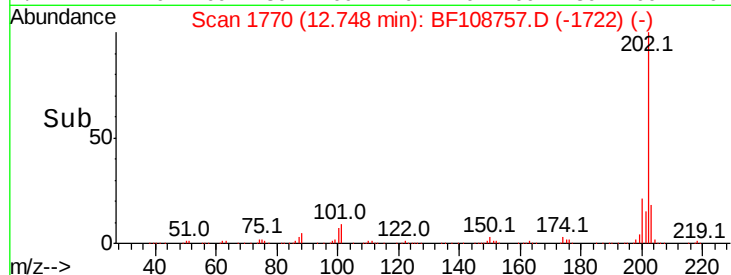
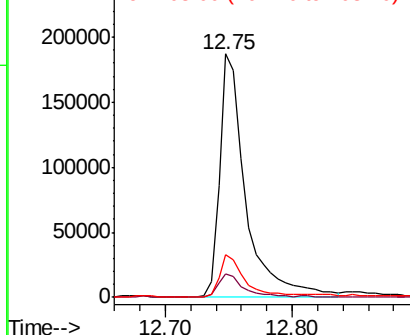
Tot Ion:	202	Resp:	267442
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

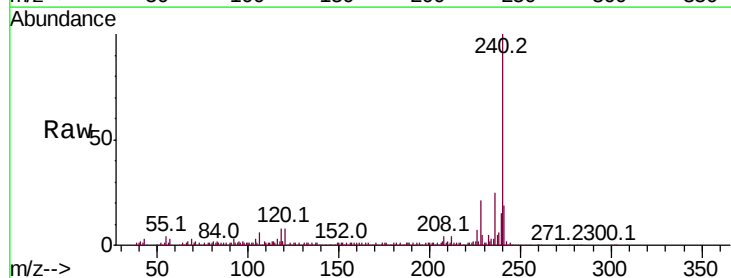
RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

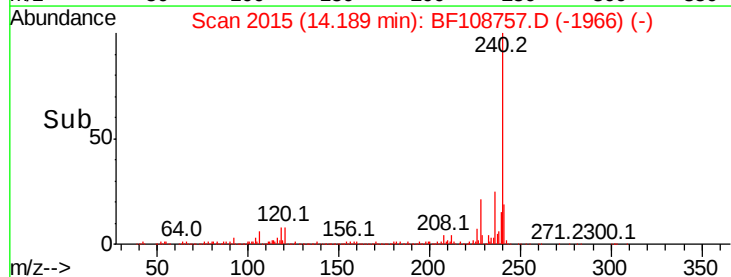
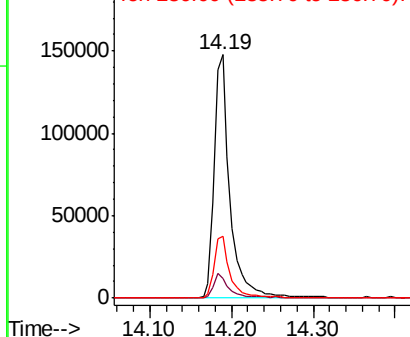
Lab File: BF108757.D

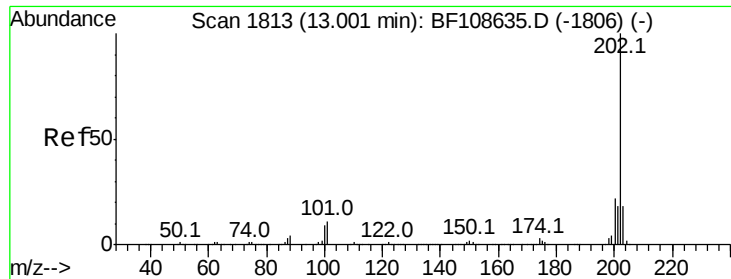
Acq: 4 Sep 2018 22:38

Tgt Ion:	240	Resp:	199225
Ion Ratio	Lower	Upper	
240	100		
120	7.9	9.5	14.3#
236	25.3	20.7	31.1



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





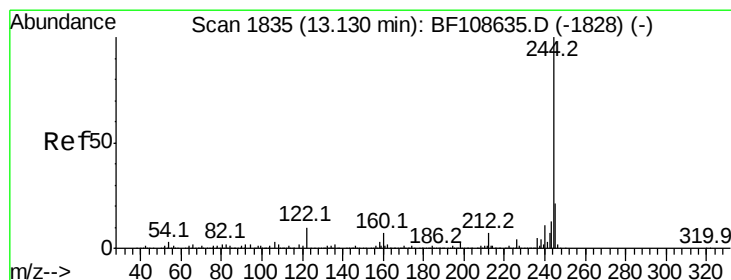
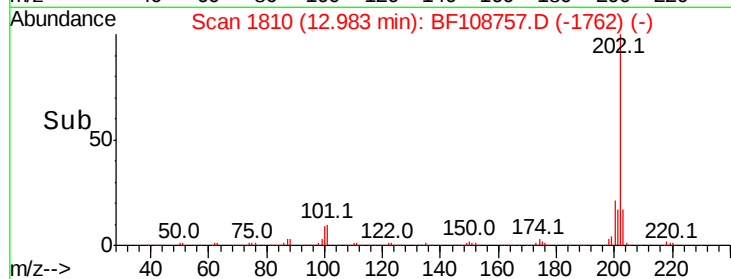
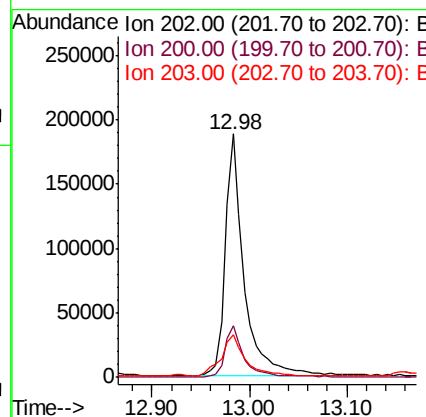
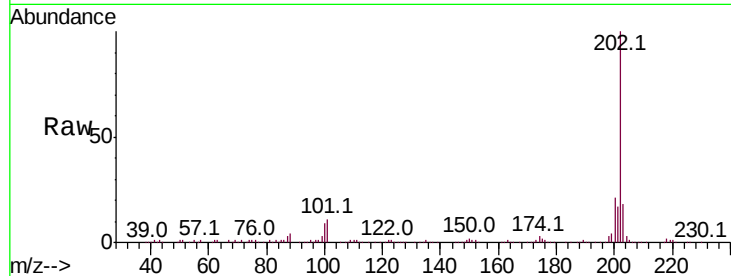
#77
Pvrene
Concen: 16.783 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampled :
WE-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.5	14.3	21.5

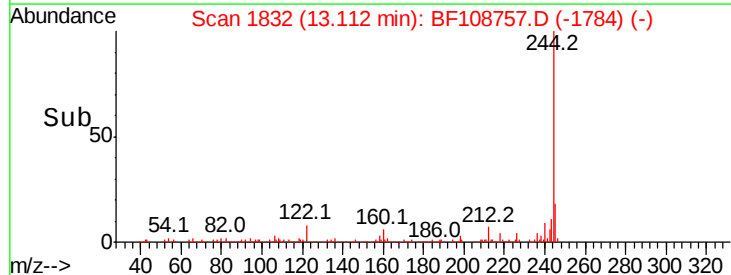
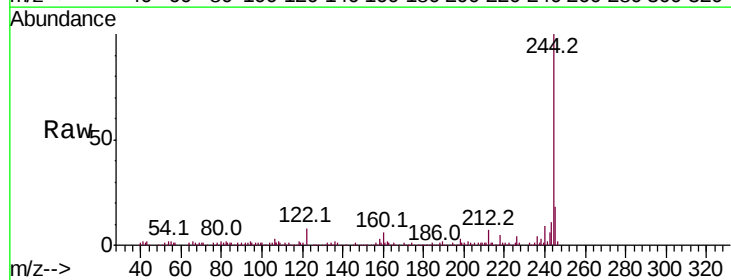
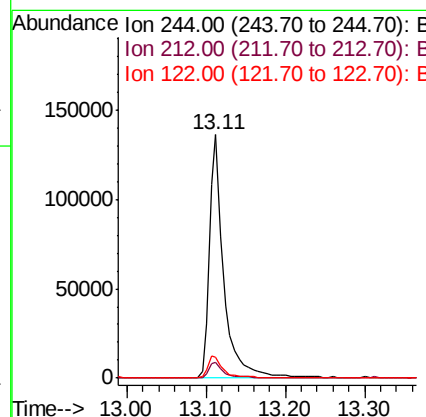
Manual Integrations
APPROVED

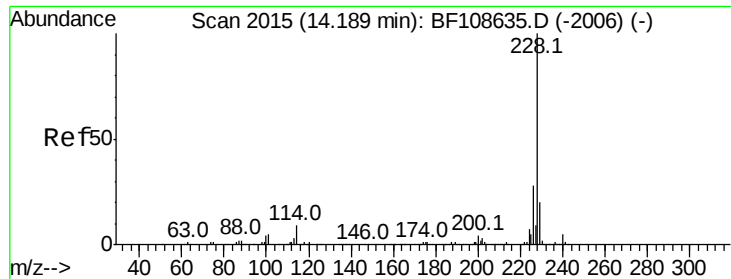
Sohil
9/5/2018 12:47:55 PM



#78
Terphenyl-d14
Concen: 16.876 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.4	11.0	16.4





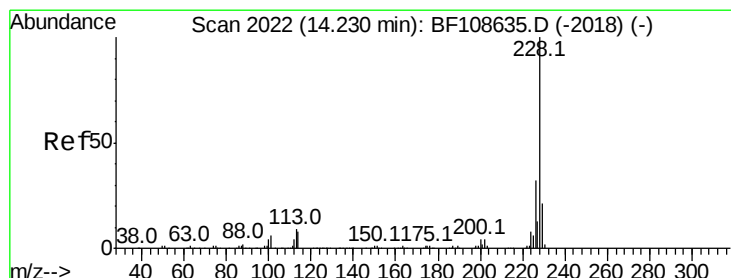
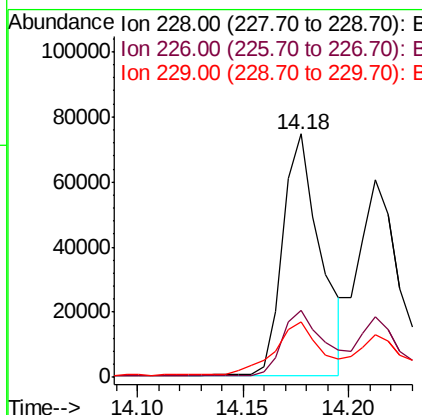
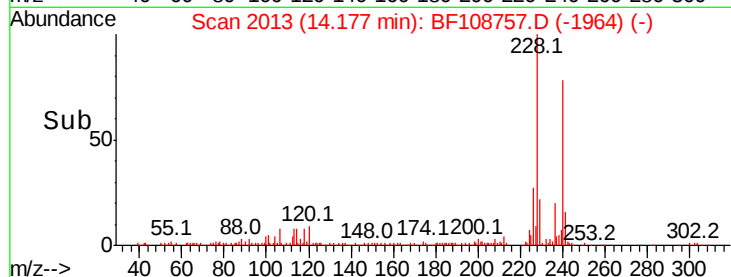
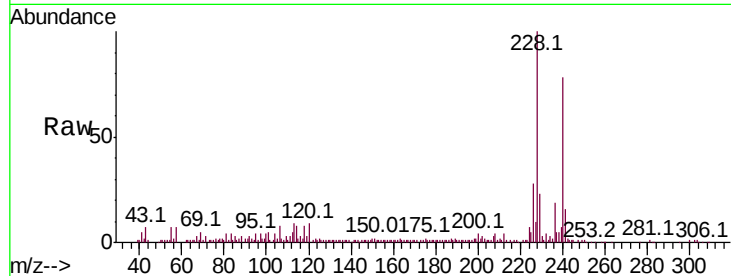
#80
Benzo(a)anthracene
Concen: 7.677 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampled :
WE-3

Tot Ion:	228	Resp:	93243
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	22.6	15.8	23.6

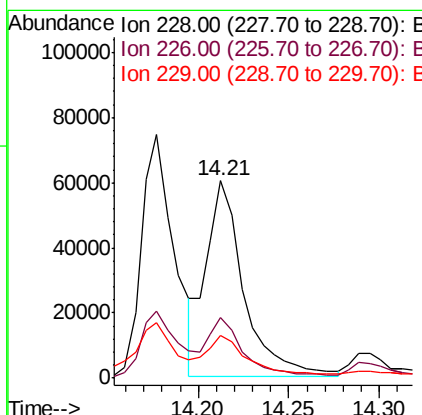
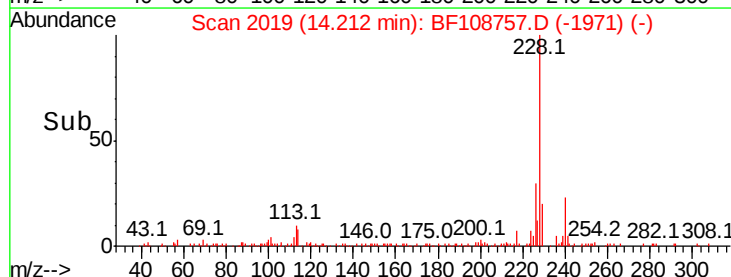
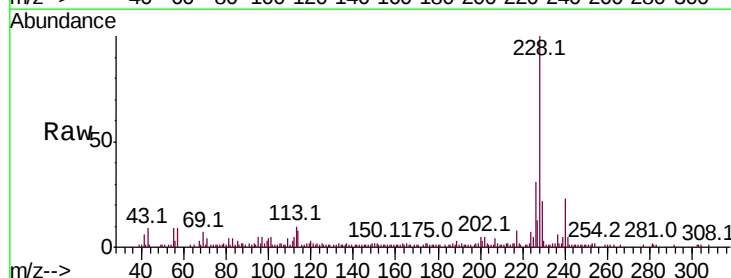
Manual Integrations
APPROVED

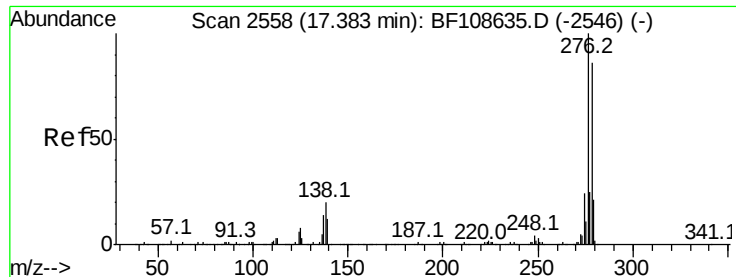
Sohil
9/5/2018 12:47:55 PM



#82
Chrysene
Concen: 7.542 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion:	228	Resp:	88087
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.5	16.2	24.4





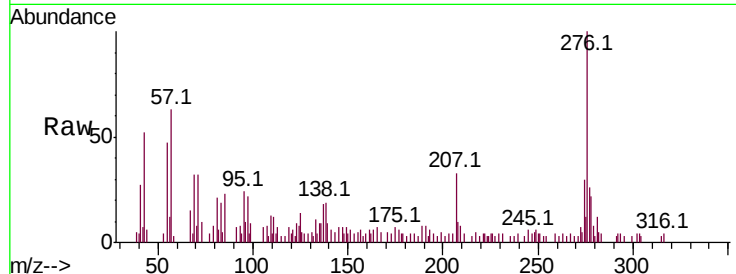
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.888 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampleId :
WE-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.6	25.0	37.6#
277	24.4	20.1	30.1

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM

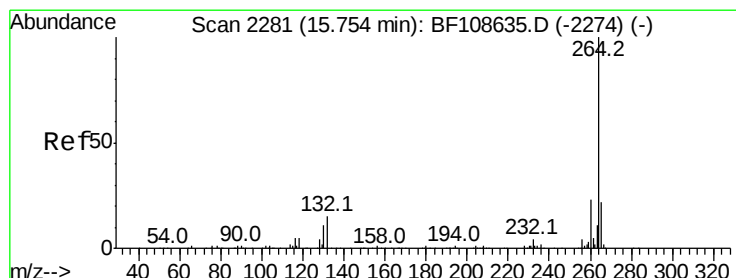
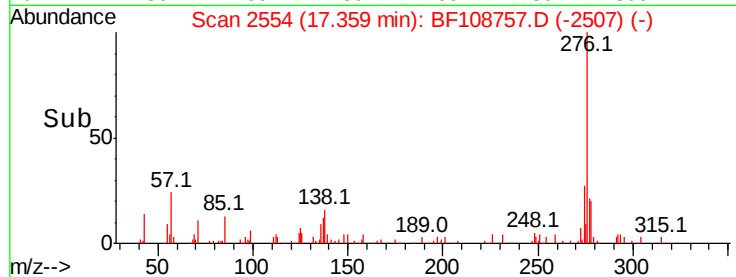
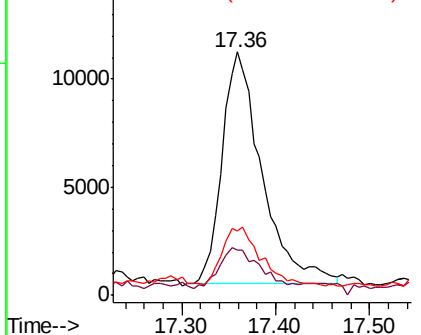


Abundance

Ion 276.00 (275.70 to 276.70): E

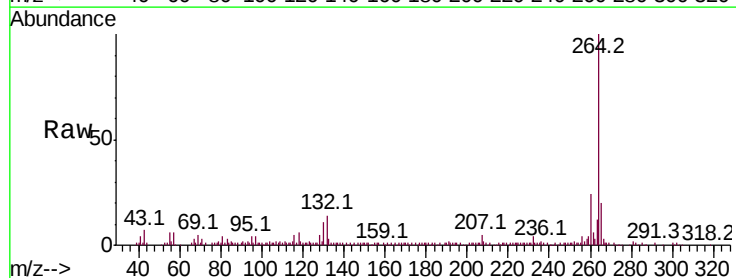
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	19.9	17.5	26.3

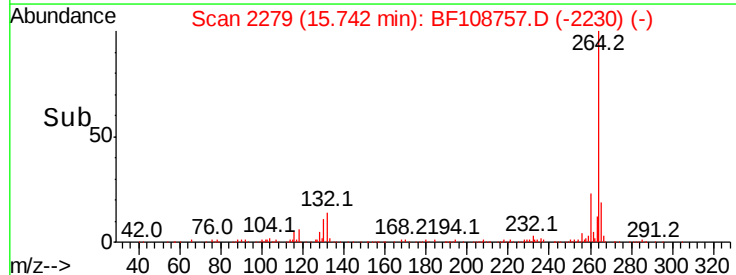
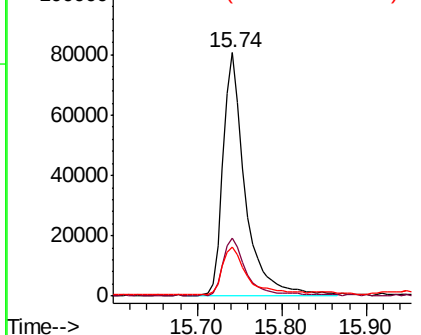


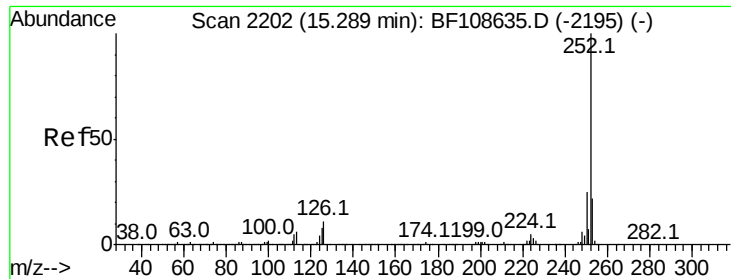
Abundance

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





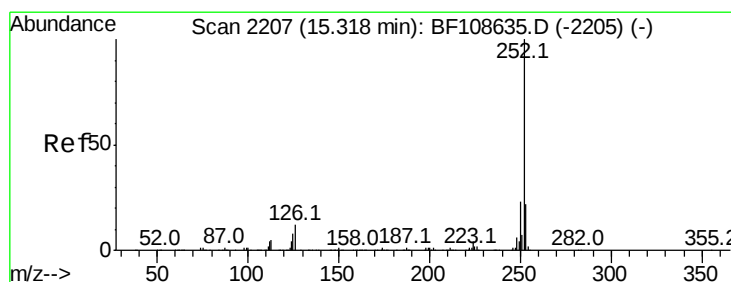
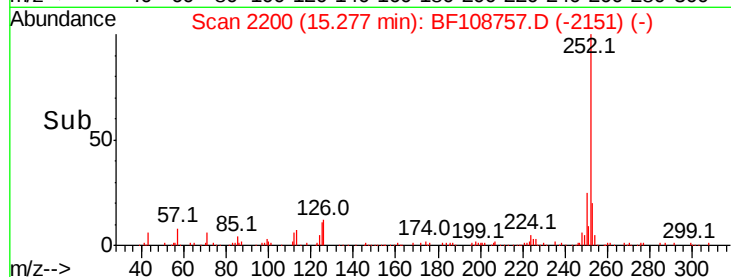
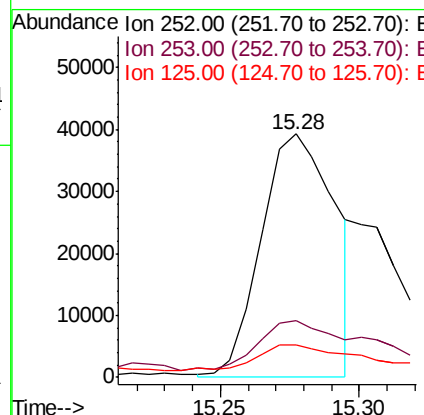
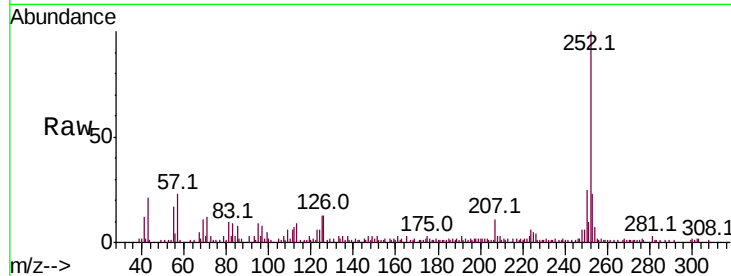
#87
Benzo(b)fluoranthene
Concen: 7.968 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampled :
WE-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.4	9.0	13.6

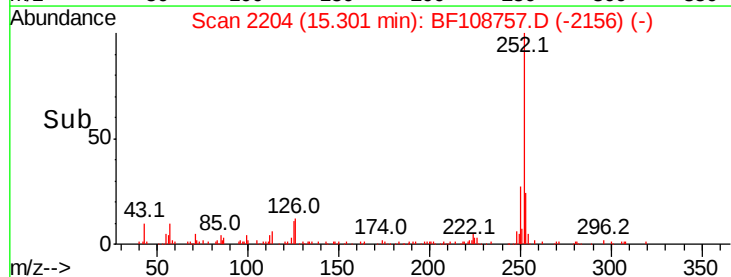
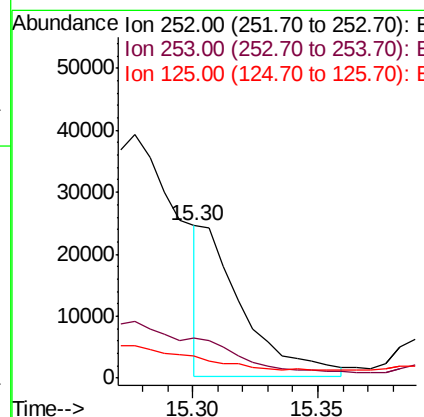
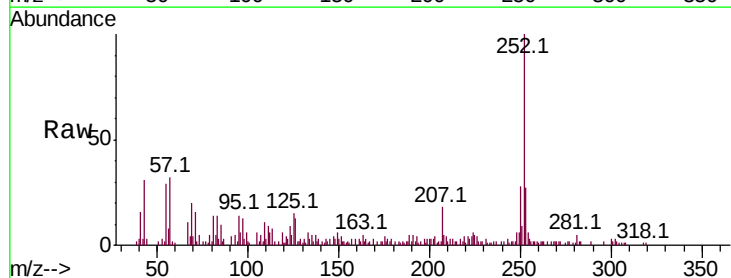
Manual Integrations
APPROVED

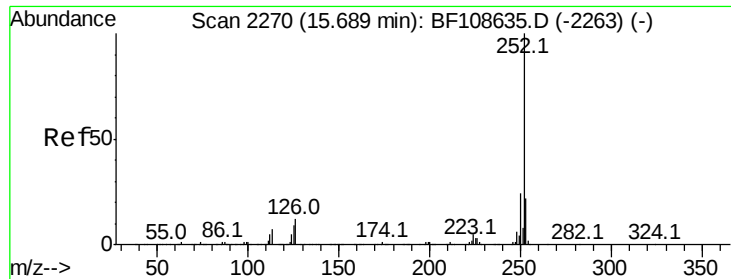
Sohil
9/5/2018 12:47:55 PM



#88
Benzo(k)fluoranthene
Concen: 3.077 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	14.8	10.2	15.2





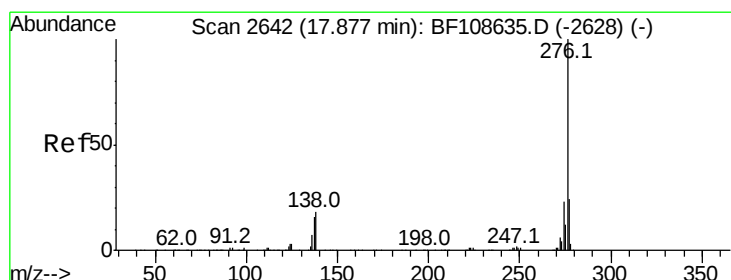
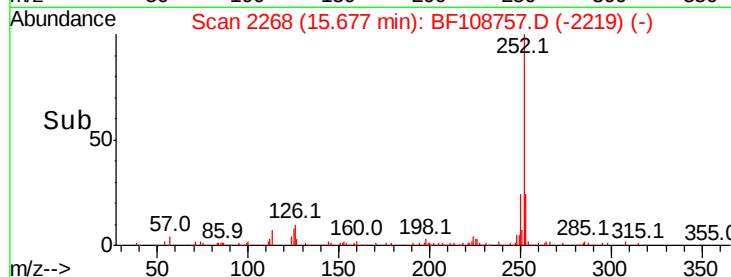
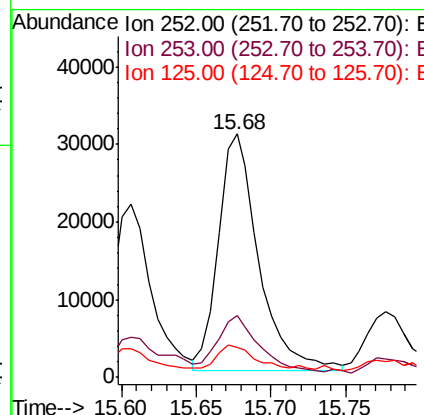
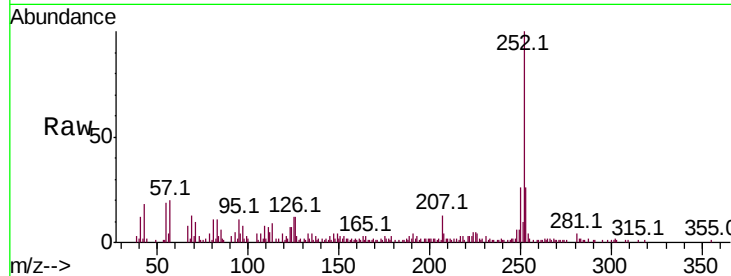
#89
Benzo(a)pyrene
Concen: 7.024 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Instrument :
BNA_F
ClientSampled :
WE-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	12.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:55 PM



#91
Benzo(g,h,i)perylene
Concen: 5.600 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.02 min
Lab File: BF108757.D
Acq: 4 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	22.1	21.8	32.8

