

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108868.D
 Acq On : 7 Sep 2018 18:39
 Operator : JU/SJ
 Sample : J4825-18MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

Manual Integrations
 APPROVED

Sohil
 9/10/2018 10:39:39 AM

Quant Time: Sep 07 23:50:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	216333	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	778922	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	349191	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	546066	20.00	ng	0.00
75) Chrysene-d12	13.87	240	450703	20.00	ng	0.00
86) Perylene-d12	15.28	264	486901	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1535770	117.61	ng	0.02
7) Phenol-d6	6.38	99	1959602	116.63	ng	0.01
23) Nitrobenzene-d5	7.30	82	1259214	101.17	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	391628	117.48	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	2044371	99.88	ng	0.00
78) Terphenyl-d14	12.83	244	1460206	75.55	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.49	163	606783	24.844	ng	99
70) Phenanthrene	11.27	178	336143	12.890	ng	99
71) Anthracene	11.32	178	80683	3.232	ng	97
74) Fluoranthene	12.45	202	487689	18.889	ng	99
77) Pyrene	12.68	202	476441	13.738	ng	99
80) Benzo(a)anthracene	13.86	228	284420	9.845	ng	98
82) Chrysene	13.89	228	249896	8.936	ng	96
85) Indeno(1,2,3-cd)pyrene	16.63	276	137288m	5.547	ng	
87) Benzo(b)fluoranthene	14.88	252	337606m	12.752	ng	
88) Benzo(k)fluoranthene	14.91	252	121399m	4.979	ng	
89) Benzo(a)pyrene	15.22	252	243955	10.212	ng	# 96
91) Benzo(a,h,i)perylene	17.04	276	122495	5.812	ng	96

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

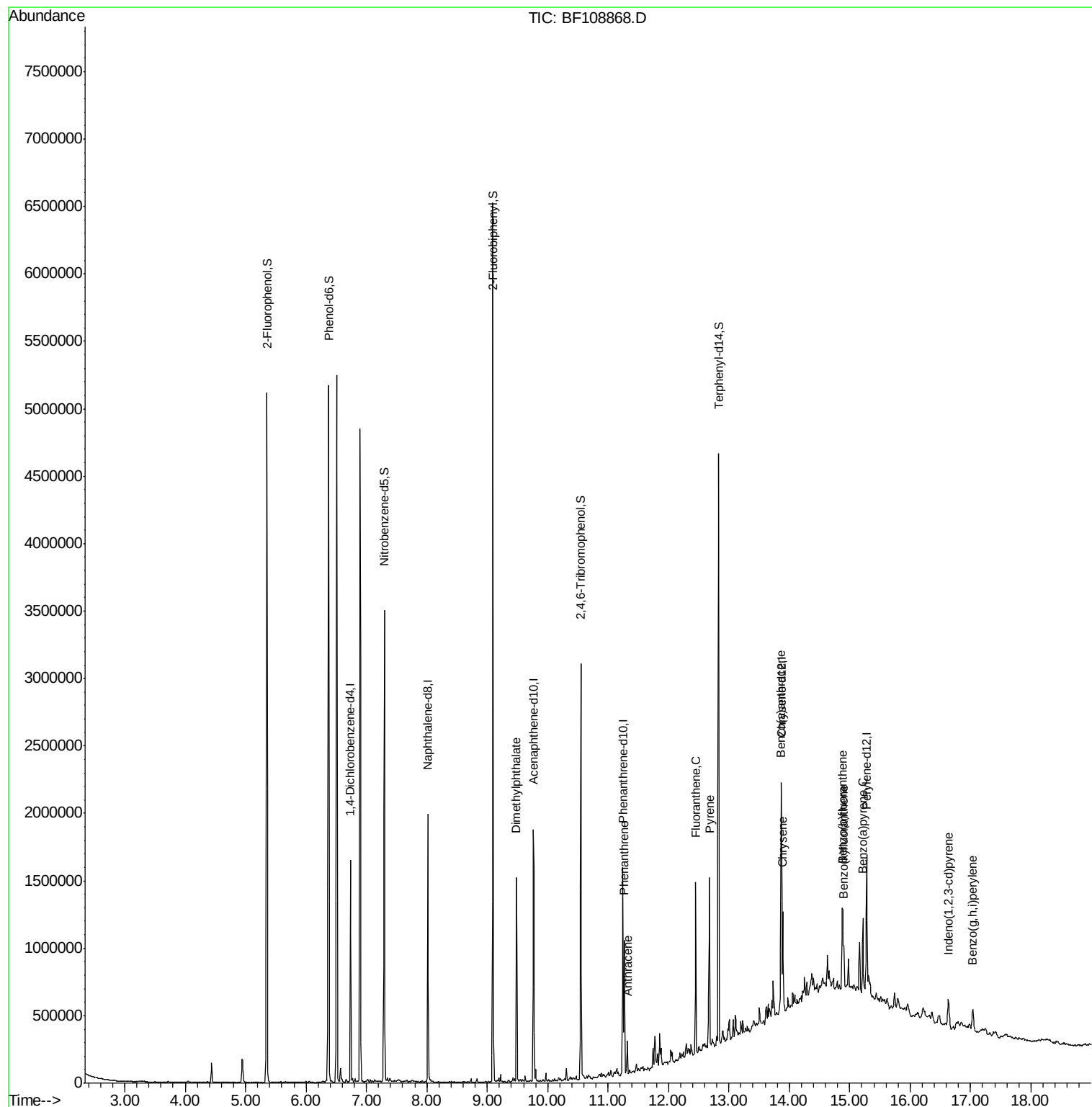
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108868.D
Acq On : 7 Sep 2018 18:39
Operator : JU/SJ
Sample : J4825-18MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

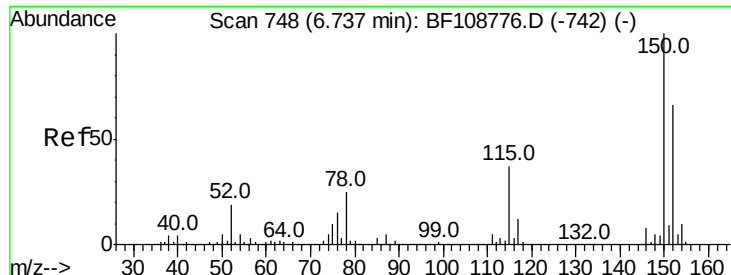
Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Manual Integrations
APPROVED

Sohil
9/10/2018 10:39:39 AM

Quant Time: Sep 07 23:50:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration





#1

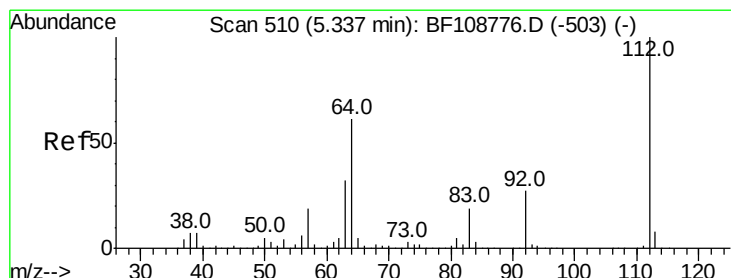
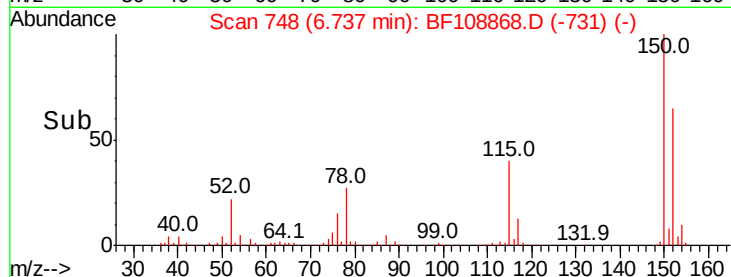
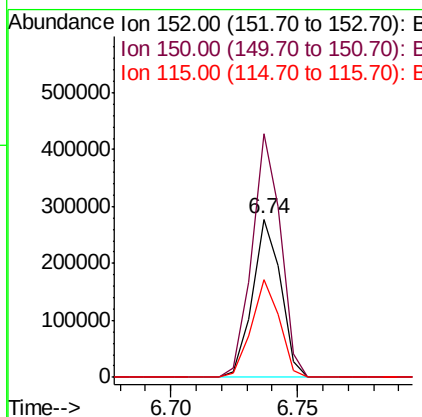
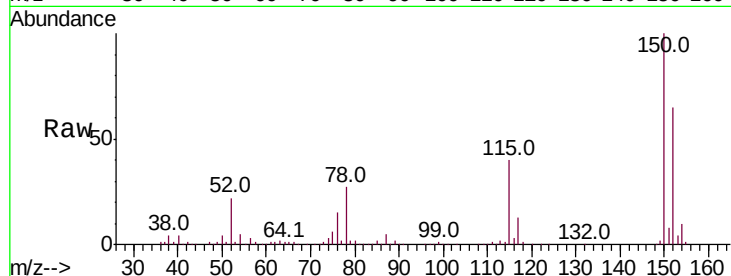
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	62.1	50.1	75.1

Manual Integrations
APPROVED

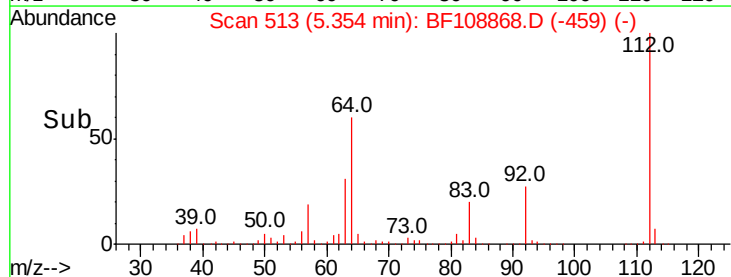
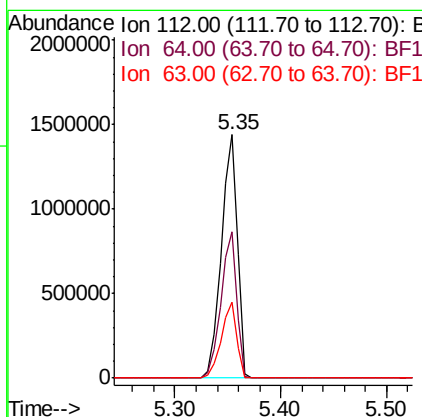
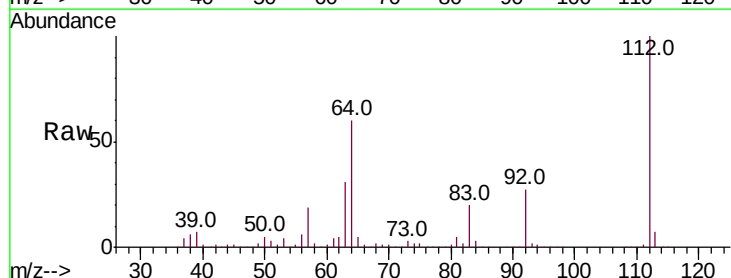
Sohil
9/10/2018 10:39:39 AM

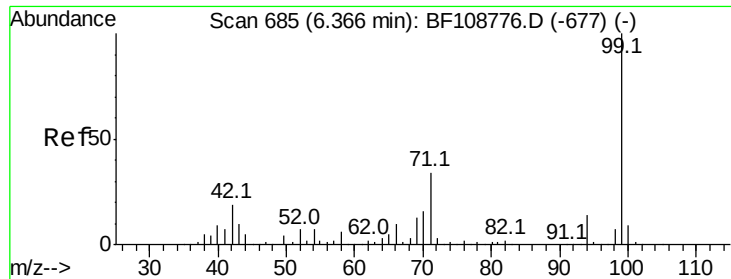


#5

2-Fluorophenol
Concen: 117.608 ng
RT: 5.35 min Scan# 513
Delta R.T. 0.02 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 116.632 ng

RT: 6.38 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

Tot Ion: 99 Resp: 1959602

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

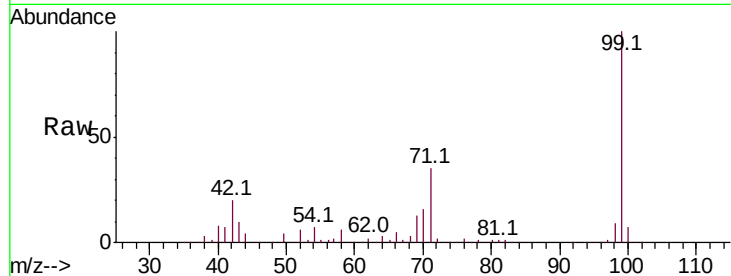
71 34.6 25.4 38.0

Manual Integrations

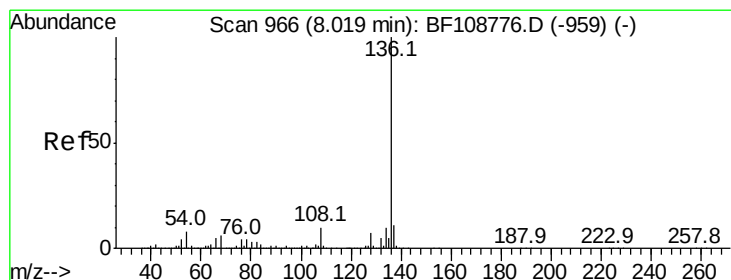
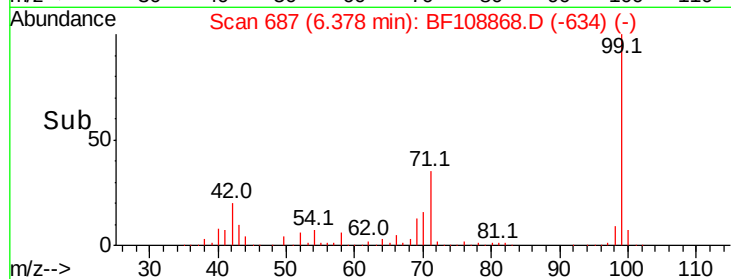
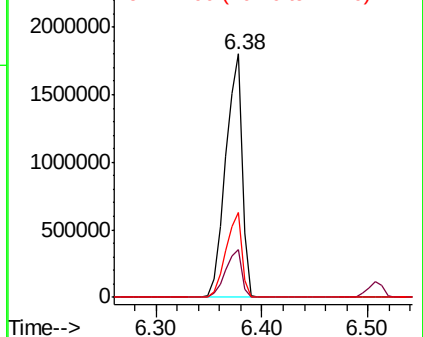
APPROVED

Sohil

9/10/2018 10:39:39 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Tgt Ion:136 Resp: 778922

Ion Ratio Lower Upper

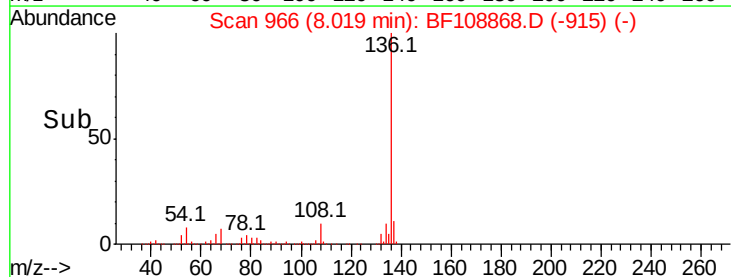
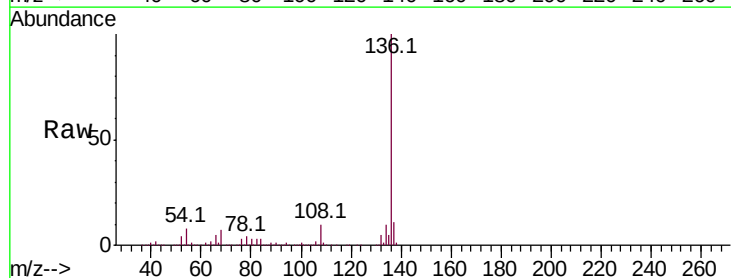
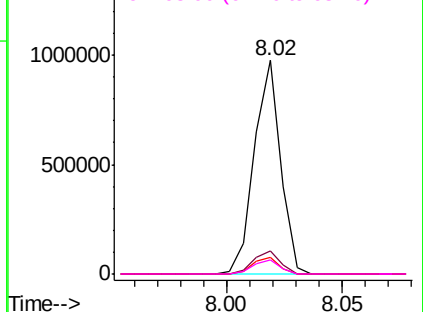
136 100

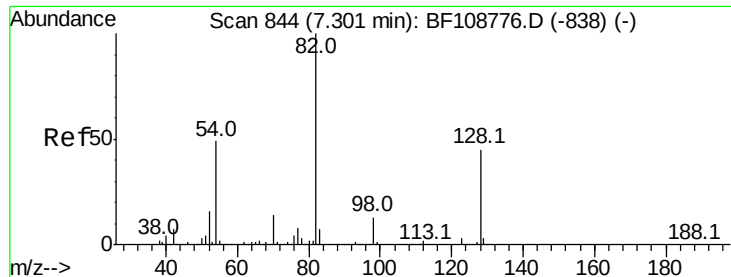
137 11.1 8.9 13.3

54 7.7 6.6 9.8

68 6.7 5.0 7.4

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





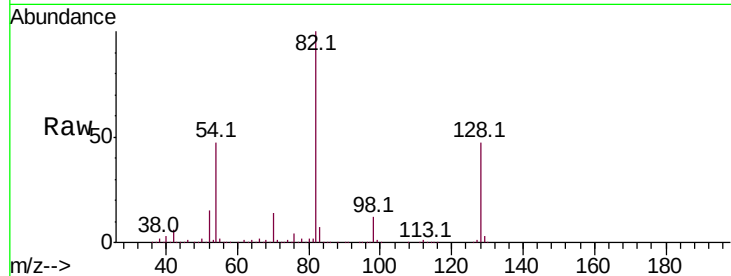
#23
Nitrobenzene-d5
Concen: 101.169 ng
RT: 7.30 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

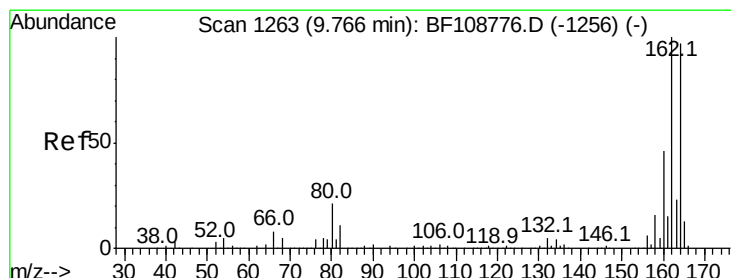
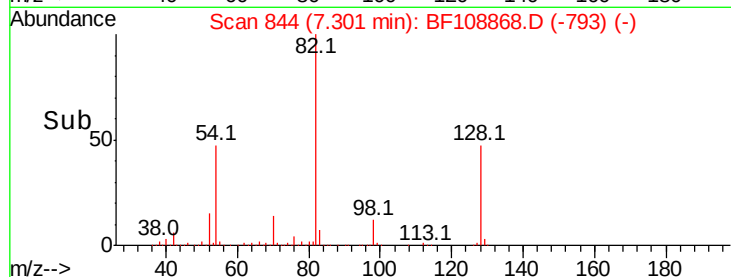
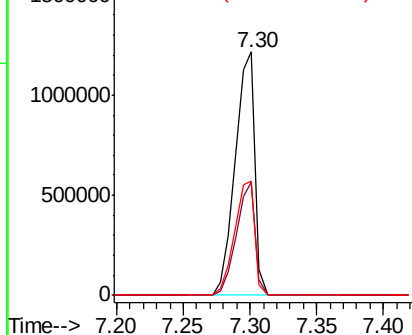
Tot Ion: 82 Resp: 1259214
Ion Ratio Lower Upper
82 100
128 46.6 36.1 54.1
54 46.8 41.4 62.2

Manual Integrations
APPROVED

Sohil
9/10/2018 10:39:39 AM

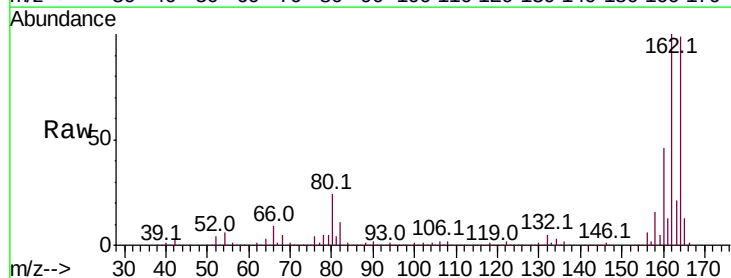


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

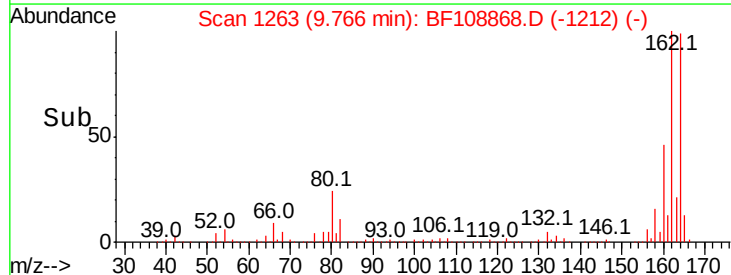
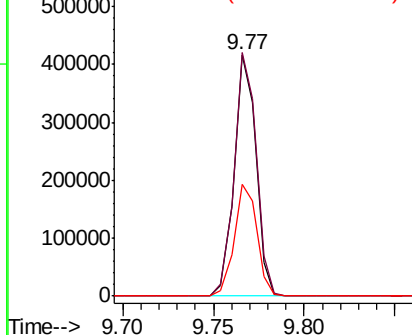


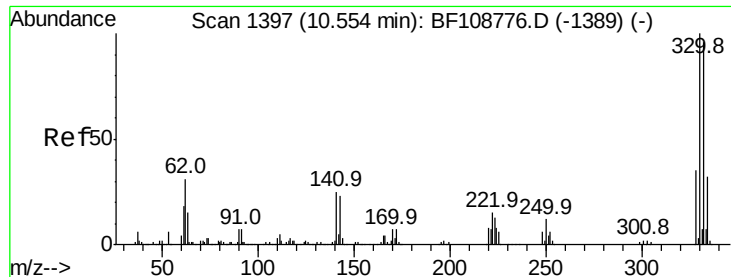
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion:164 Resp: 349191
Ion Ratio Lower Upper
164 100
162 100.9 86.1 129.1
160 46.5 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





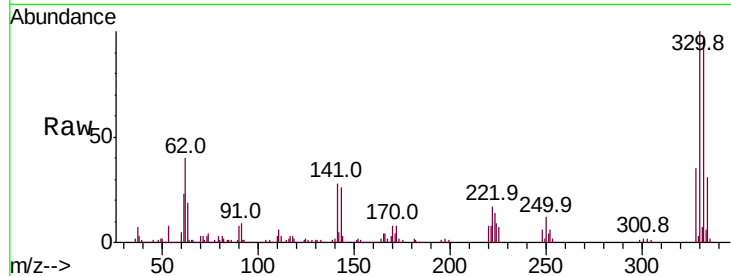
#41
 2,4,6-Tribromophenol
 Concen: 117.481 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	77.0	115.6	
141	33.2	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 9/10/2018 10:39:39 AM

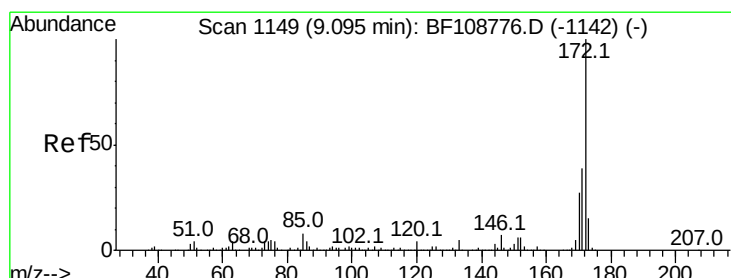
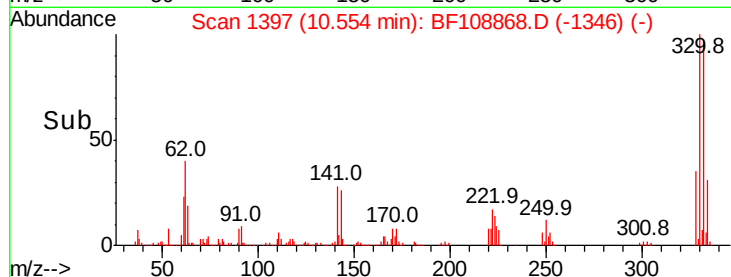
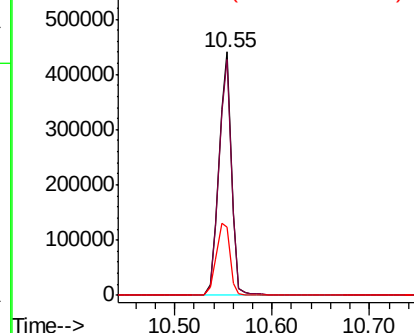


Abundance

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



#44
 2-Fluorobiphenyl
 Concen: 99.878 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

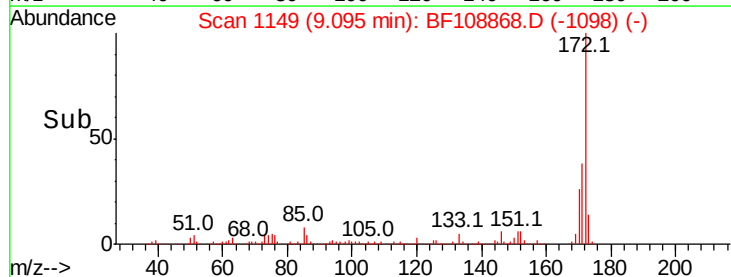
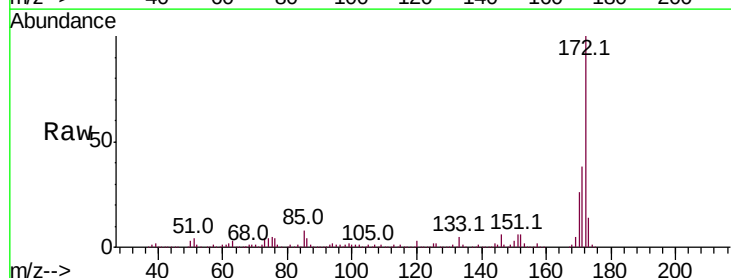
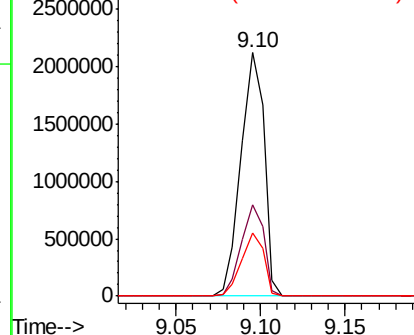
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.7	29.7	44.5	
170	25.9	19.6	29.4	

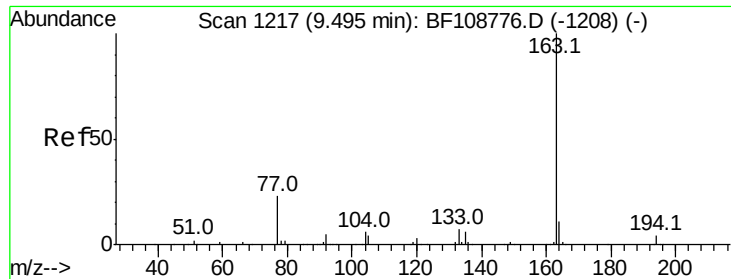
Abundance

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





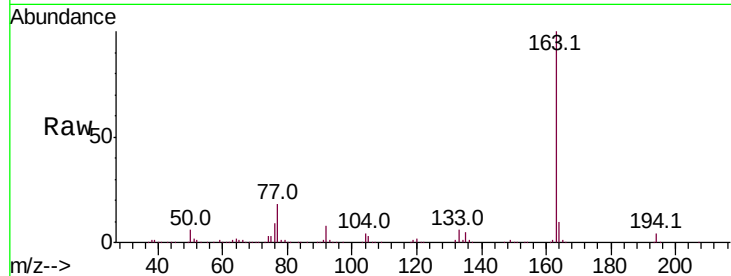
#49
Dimethylphthalate
Concen: 24.844 ng
RT: 9.49 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	606783		
194	4.0		2.7	4.1
164	10.1		8.2	12.2

Manual Integrations
APPROVED

Sohil
9/10/2018 10:39:39 AM

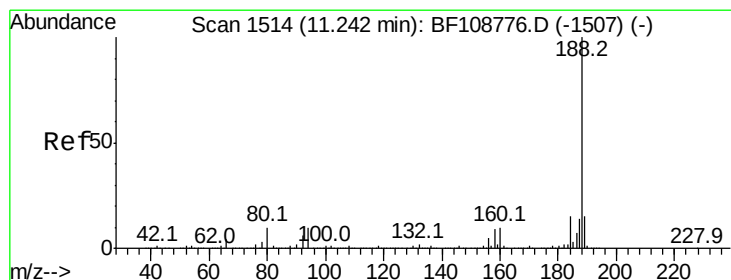
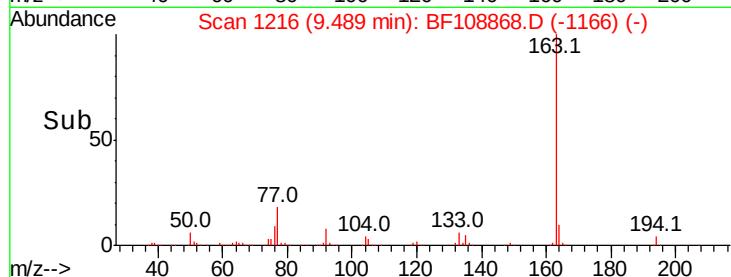
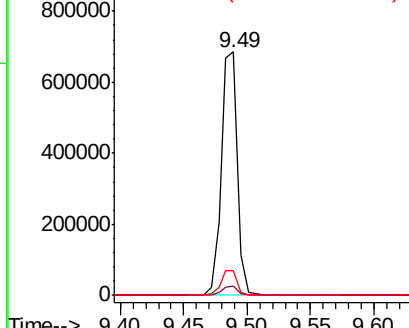


Abundance

Ion 163.00 (162.70 to 163.70): E

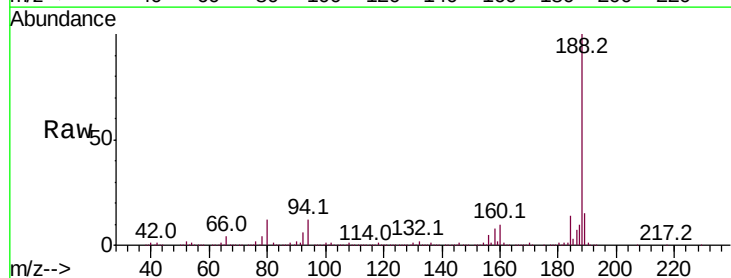
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	546066		
94	11.6		8.5	12.7
80	12.3		9.2	13.8

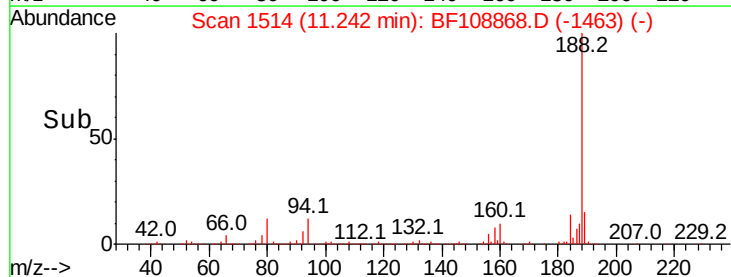
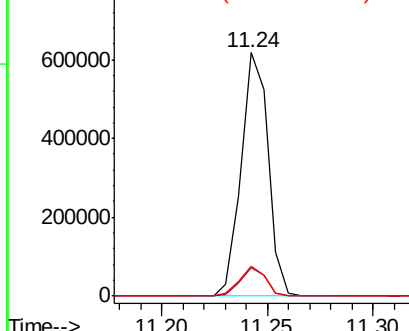


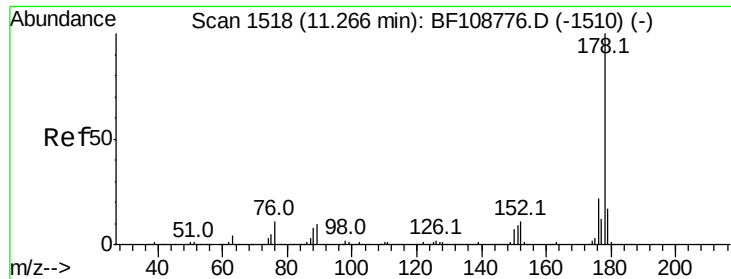
Abundance

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





#70

Phenanthrene

Concen: 12.890 ng

RT: 11.27 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

Instrument :

BNA_F

ClientSampleId :

EP1-WS-COMP-18MSD

Tot Ion:178 Resp: 336143

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

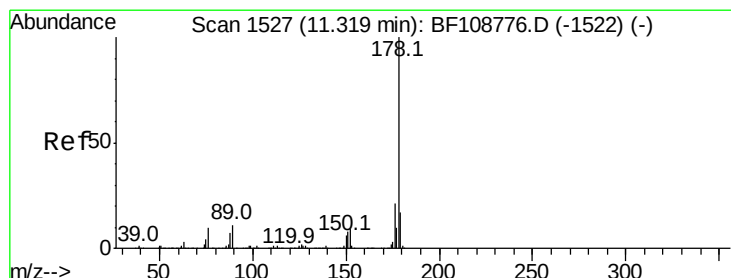
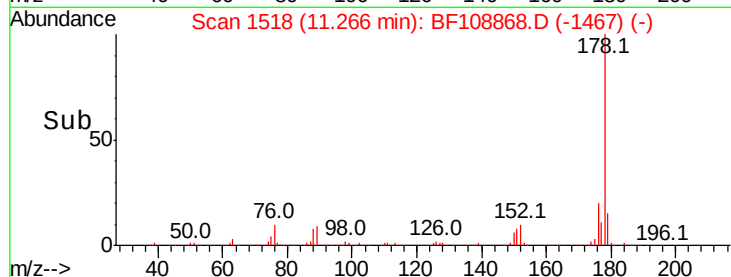
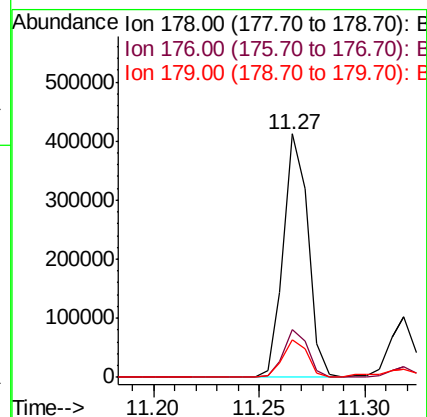
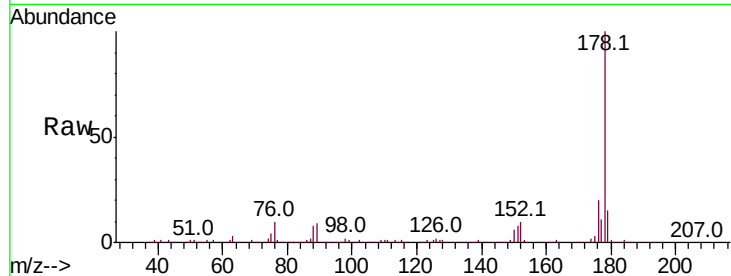
179 15.4 13.0 19.6

Manual Integrations

APPROVED

Sohil

9/10/2018 10:39:39 AM



#71

Anthracene

Concen: 3.232 ng

RT: 11.32 min Scan# 1527

Delta R.T. -0.00 min

Lab File: BF108868.D

Acq: 7 Sep 2018 18:39

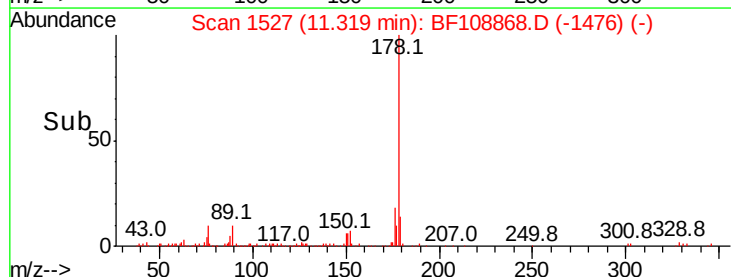
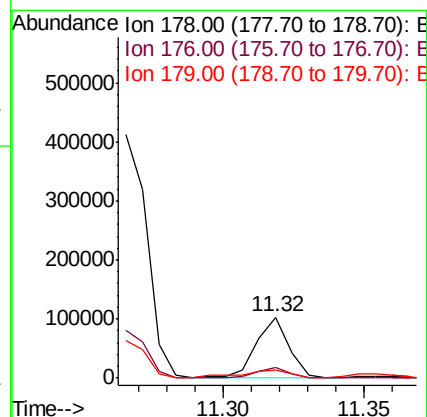
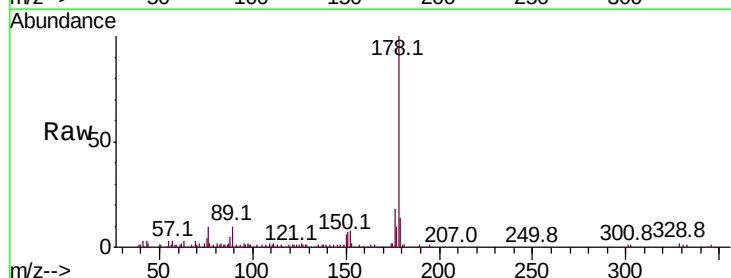
Tgt Ion:178 Resp: 80683

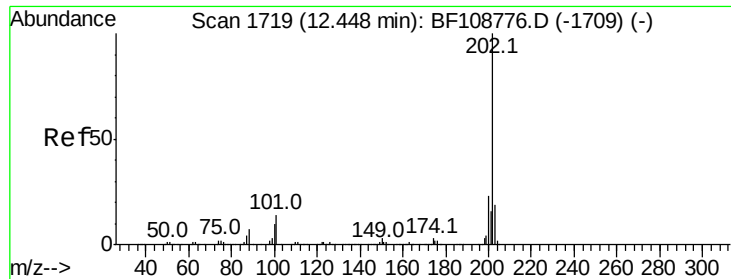
Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 14.2 12.6 19.0





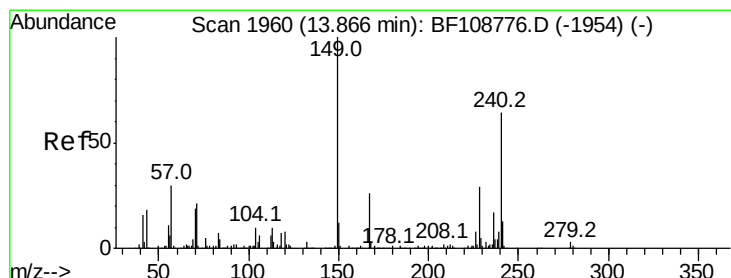
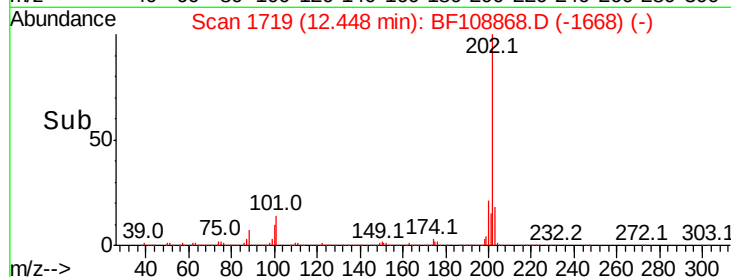
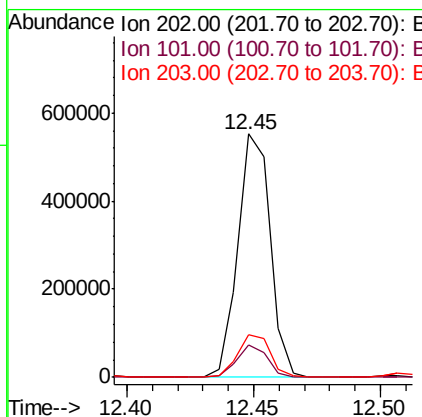
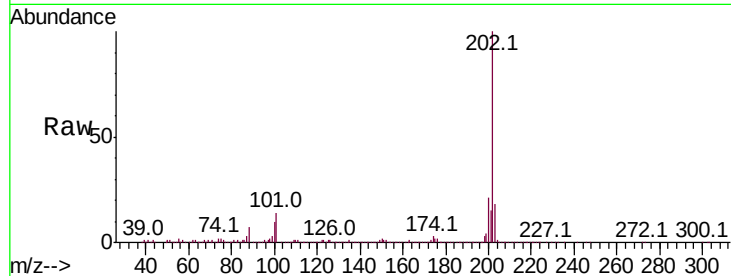
#74
 Fluoranthene
 Concen: 18.889 ng
 RT: 12.45 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WS-COMP-18MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	487689		
101	13.5	0.0	34.1	
203	17.7	0.0	38.1	

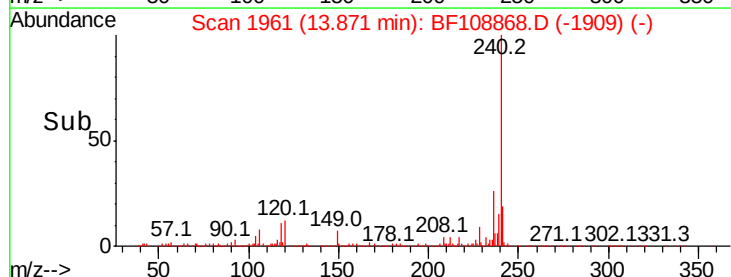
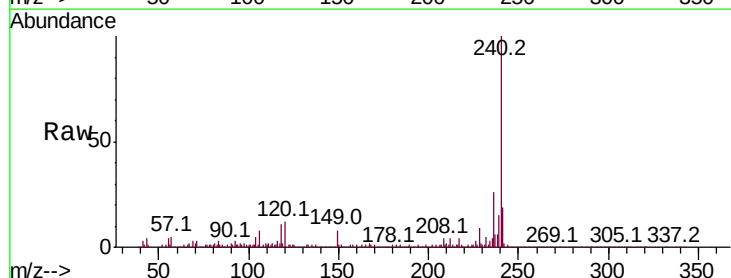
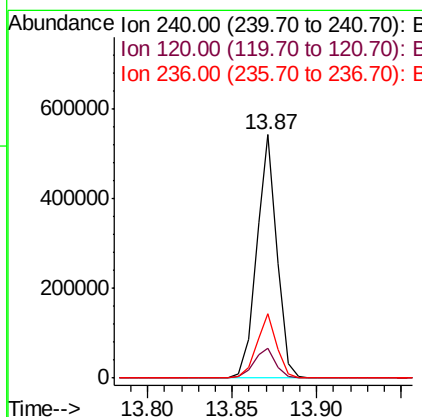
Manual Integrations
 APPROVED

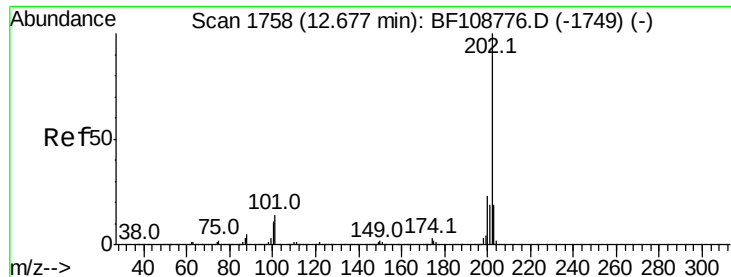
Sohil
 9/10/2018 10:39:39 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 1961
 Delta R.T. 0.01 min
 Lab File: BF108868.D
 Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	450703		
120	12.3	9.5	14.3	
236	26.3	20.7	31.1	





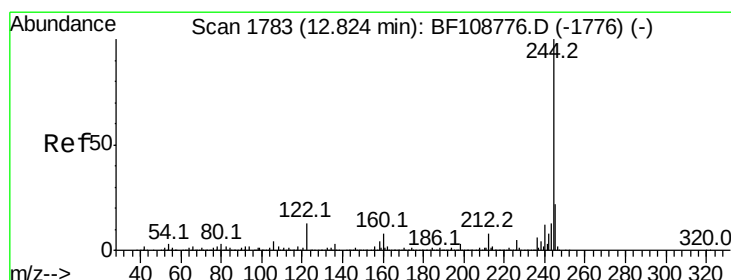
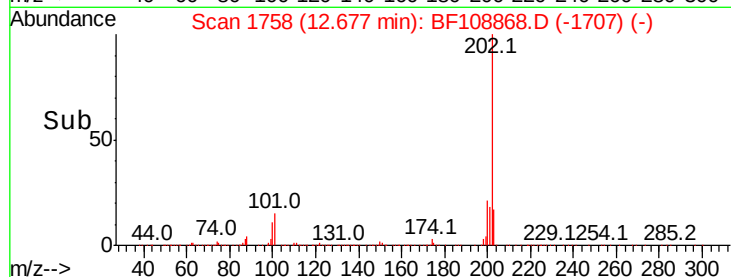
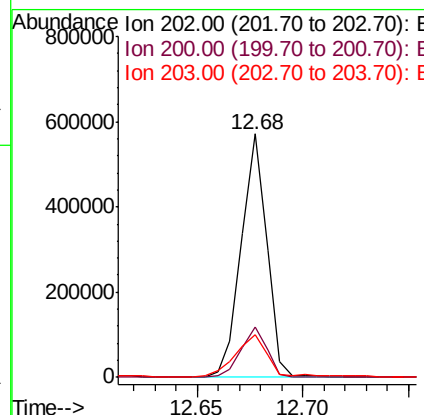
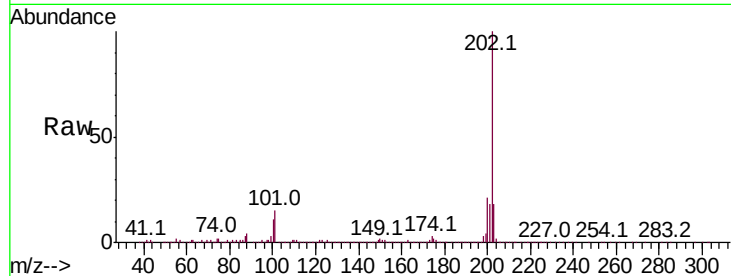
#77
Pvrene
Concen: 13.738 ng
RT: 12.68 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tot Ion:	202	Resp:	476441
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.7	14.3	21.5

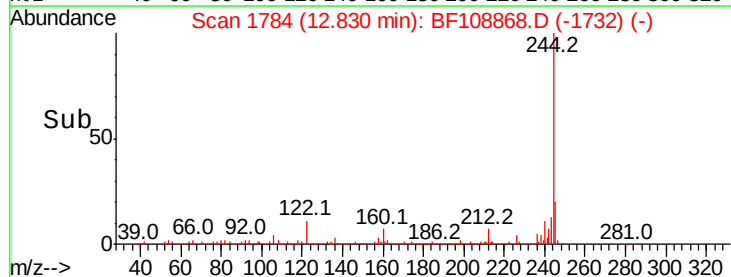
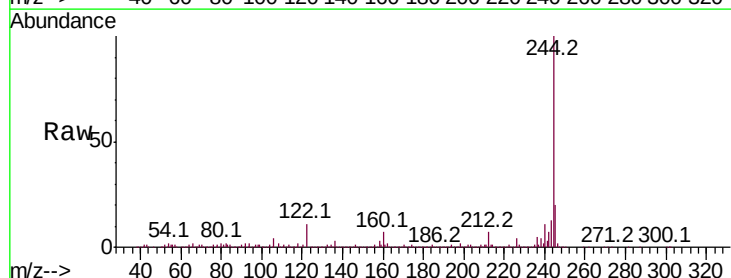
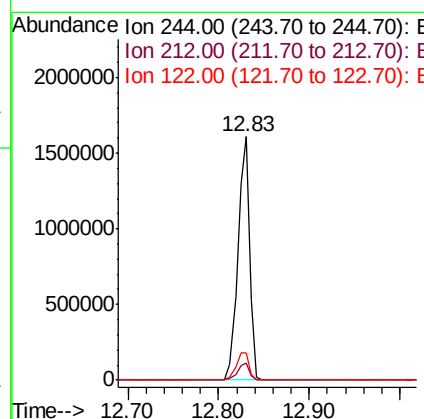
Manual Integrations
APPROVED

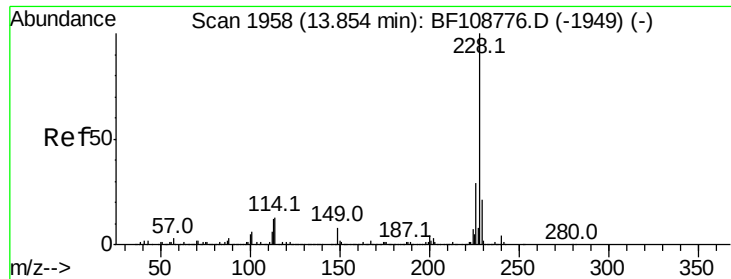
Sohil
9/10/2018 10:39:39 AM



#78
Terphenyl-d14
Concen: 75.550 ng
RT: 12.83 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion:	244	Resp:	1460206
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.4	11.0	16.4





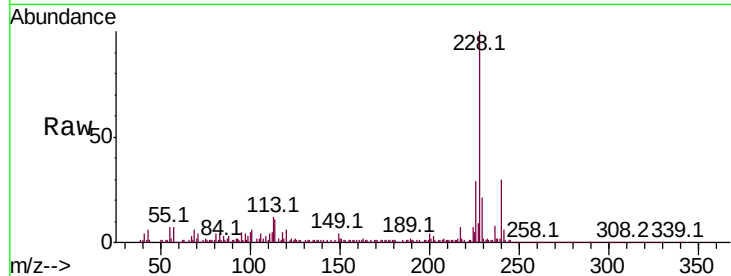
#80
Benzo(a)anthracene
Concen: 9.845 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

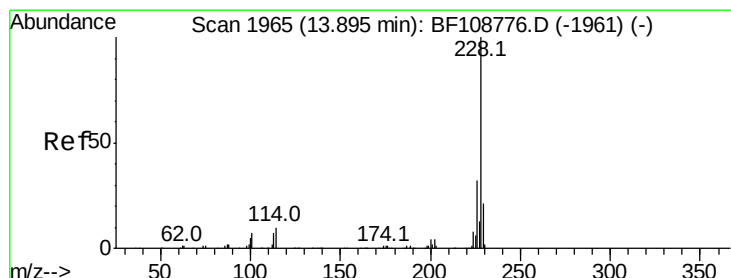
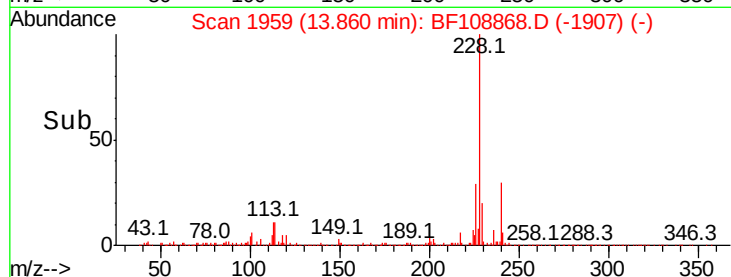
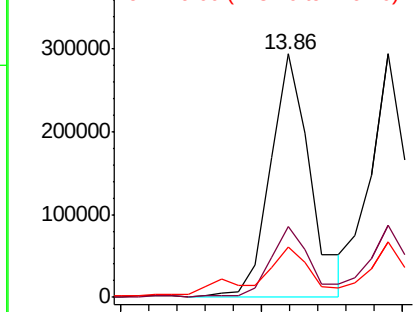
Tot Ion	Ratio	Resp	Lower	Upper
228	100	284420		
226	29.1		22.6	33.8
229	21.0		15.8	23.6

Manual Integrations
APPROVED

Sohil
9/10/2018 10:39:39 AM



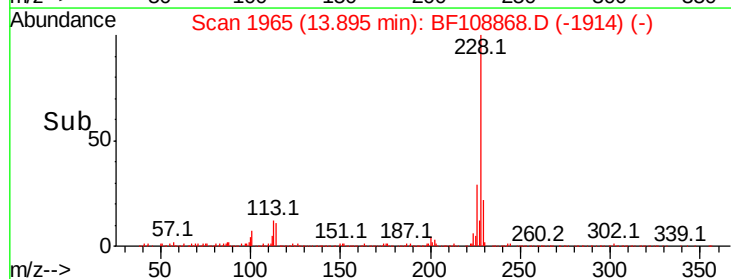
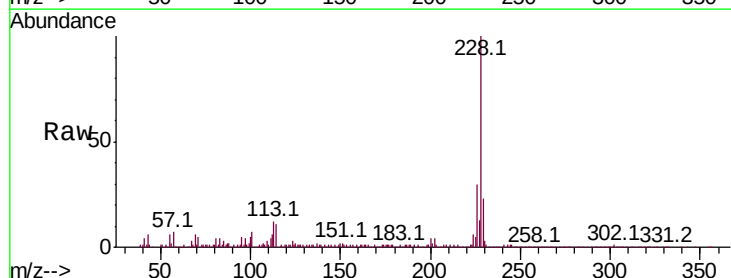
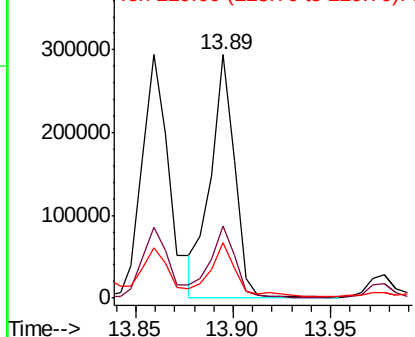
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

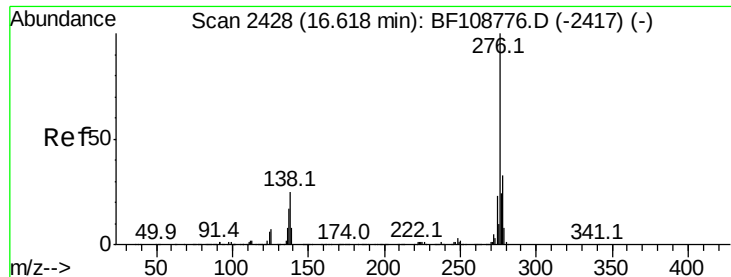


#82
Chrysene
Concen: 8.936 ng
RT: 13.89 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	249896		
226	29.6		25.0	37.6
229	22.7		16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





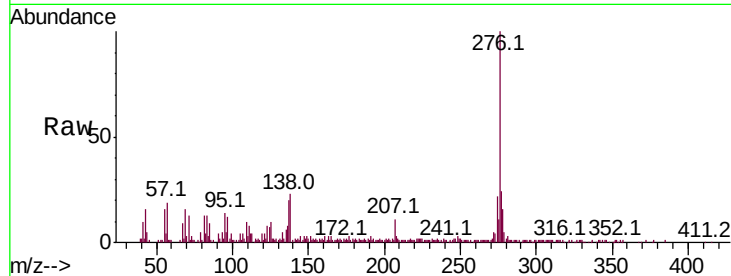
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.547 ng/ml
RT: 16.63 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.7	25.0	37.6#
277	5.6	20.1	30.1#

Manual Integrations
APPROVED

Sohil
9/10/2018 10:39:39 AM

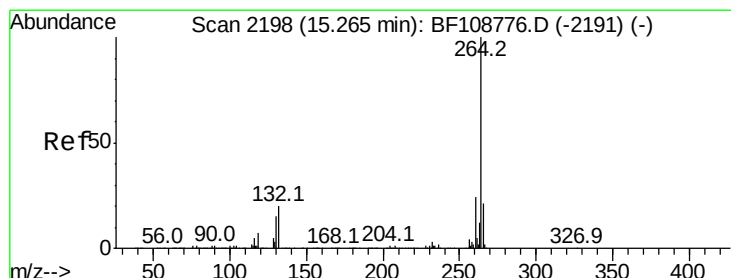
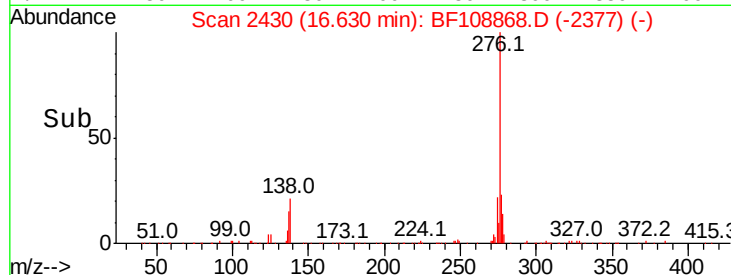
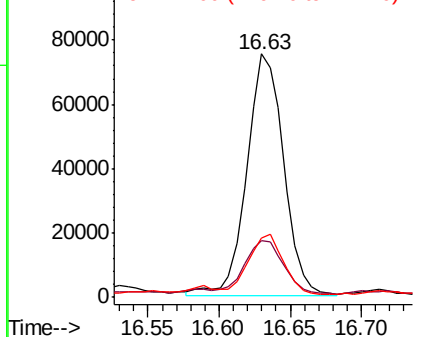


Abundance

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: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

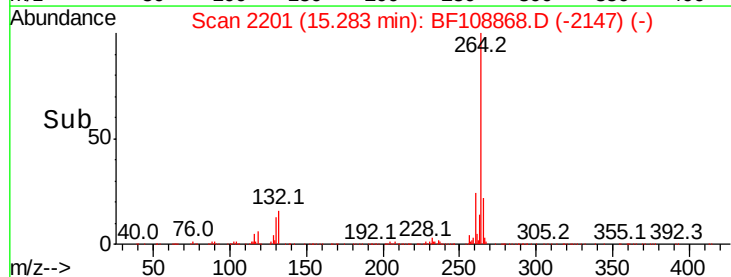
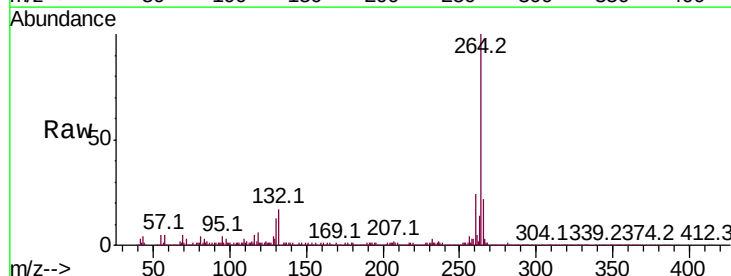
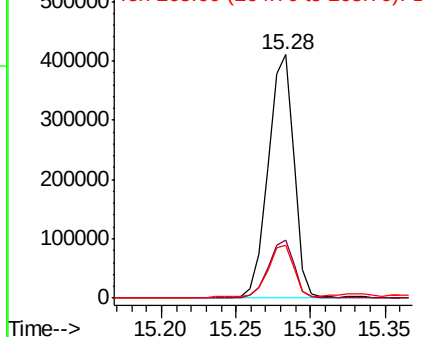
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.9	17.5	26.3

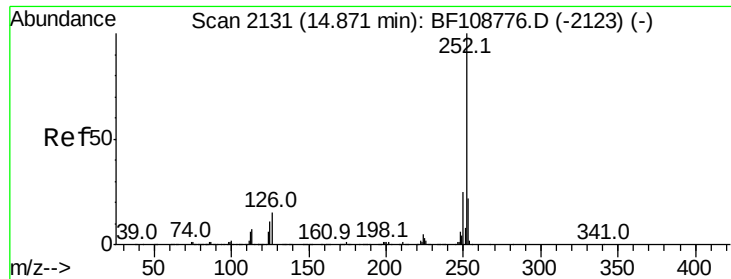
Abundance

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





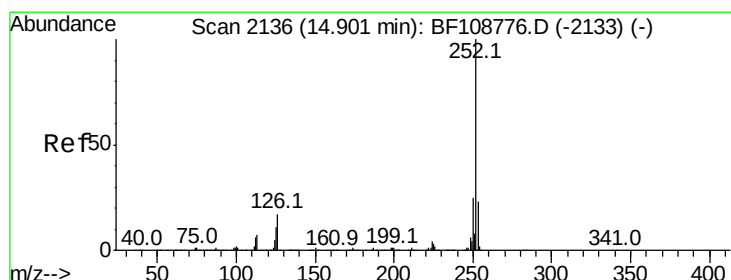
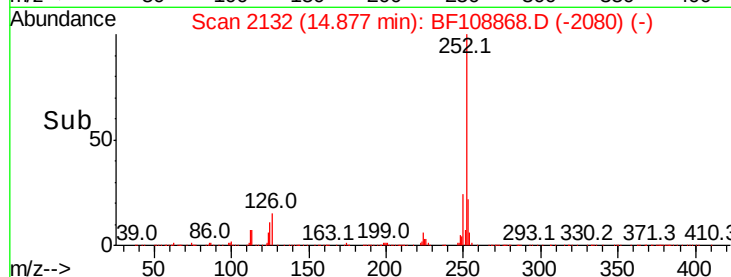
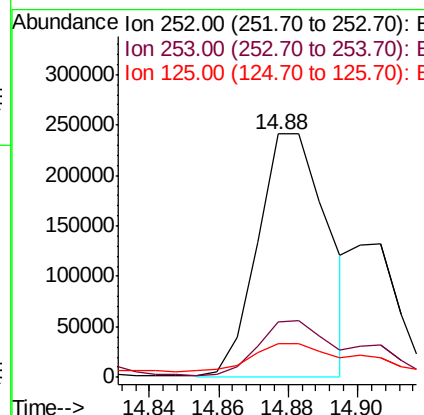
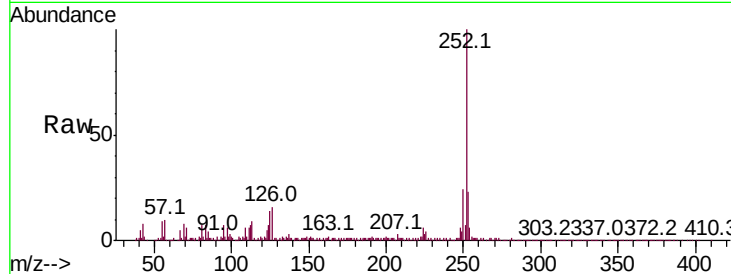
#87
Benzo(b)fluoranthene
Concen: 12.752 ng m
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.8	9.0	13.6

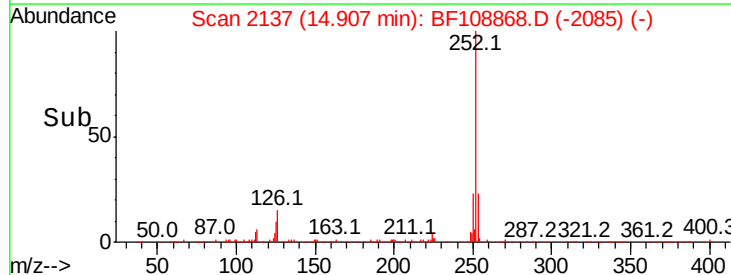
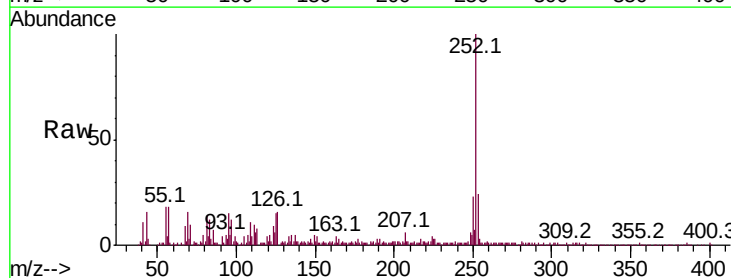
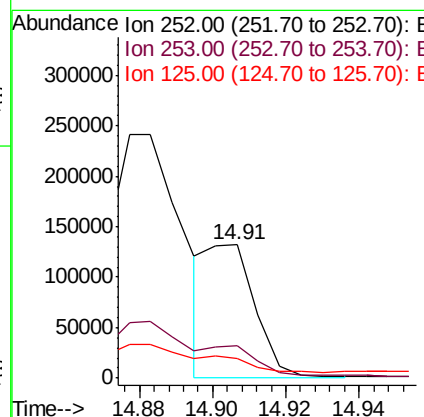
Manual Integrations
APPROVED

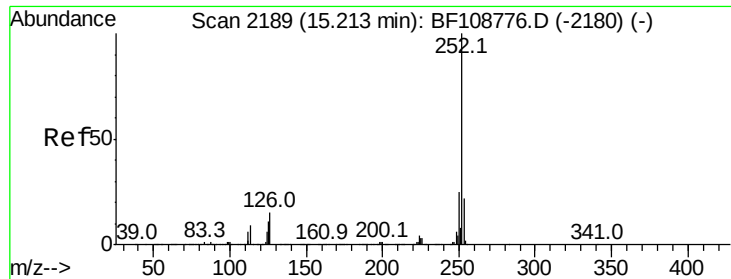
Sohil
9/10/2018 10:39:39 AM



#88
Benzo(k)fluoranthene
Concen: 4.979 ng m
RT: 14.91 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	14.7	10.2	15.2





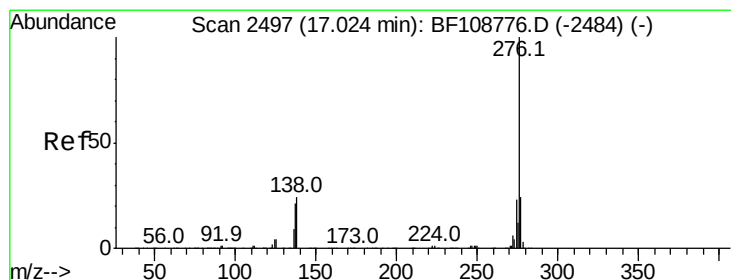
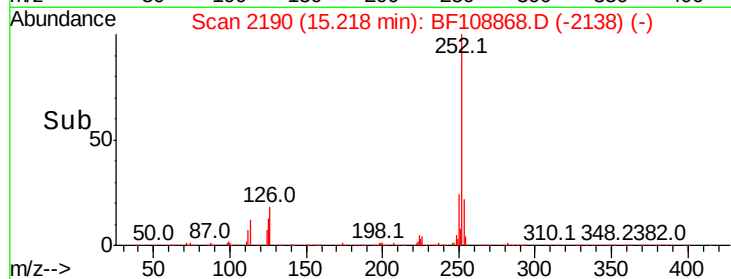
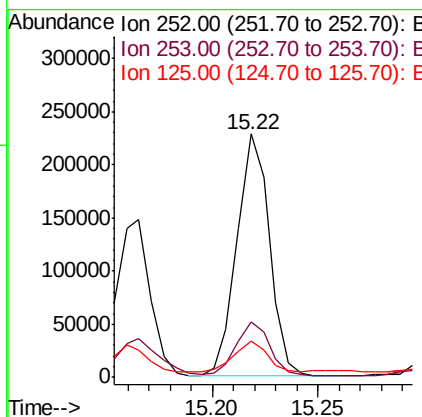
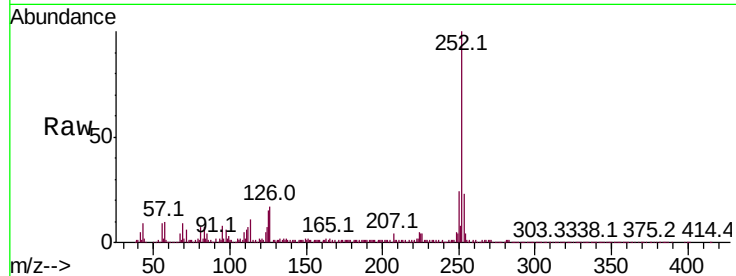
#89
Benzo(a)pyrene
Concen: 10.212 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Instrument :
BNA_F
ClientSampleId :
EP1-WS-COMP-18MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
9/10/2018 10:39:39 AM



#91
Benzo(g,h,i)perylene
Concen: 5.812 ng
RT: 17.04 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BF108868.D
Acq: 7 Sep 2018 18:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	24.5	21.8	32.8

