

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108172.D
 Acq On : 15 Aug 2018 18:21
 Operator : JU/SJ
 Sample : J4460-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

Manual Integrations
 APPROVED

Sohil
 8/16/2018 5:27:03 PM

Quant Time: Aug 16 02:17:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	197804	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	744397	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	385608	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	740125	20.00	ng	0.00
75) Chrysene-d12	14.21	240	414916	20.00	ng	0.00
86) Perylene-d12	15.78	264	437106	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	917654	83.99	ng	0.02
7) Phenol-d6	6.64	99	1273914	87.74	ng	0.00
23) Nitrobenzene-d5	7.58	82	853666	63.99	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	266067	69.17	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1441372	60.01	ng	0.00
78) Terphenyl-d14	13.15	244	1234621	75.66	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	178710	6.653	ng	99
70) Phenanthrene	11.58	178	134880	3.864	ng	97
73) Di-n-butylphthalate	12.11	149	168479	4.679	ng	99
74) Fluoranthene	12.78	202	198379	5.207	ng	95
77) Pyrene	13.01	202	170908	6.506	ng	99
80) Benzo(a)anthracene	14.20	228	94472	3.967	ng	98
82) Chrysene	14.24	228	83047m	3.804	ng	
85) Indeno(1,2,3-cd)pyrene	17.39	276	62388	3.298	ng	# 88
87) Benzo(b)fluoranthene	15.31	252	123181m	4.716	ng	
89) Benzo(a)pyrene	15.71	252	88440	3.781	ng	# 95
91) Benzo(g,h,i)perylene	17.88	276	59724	3.134	ng	# 92

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

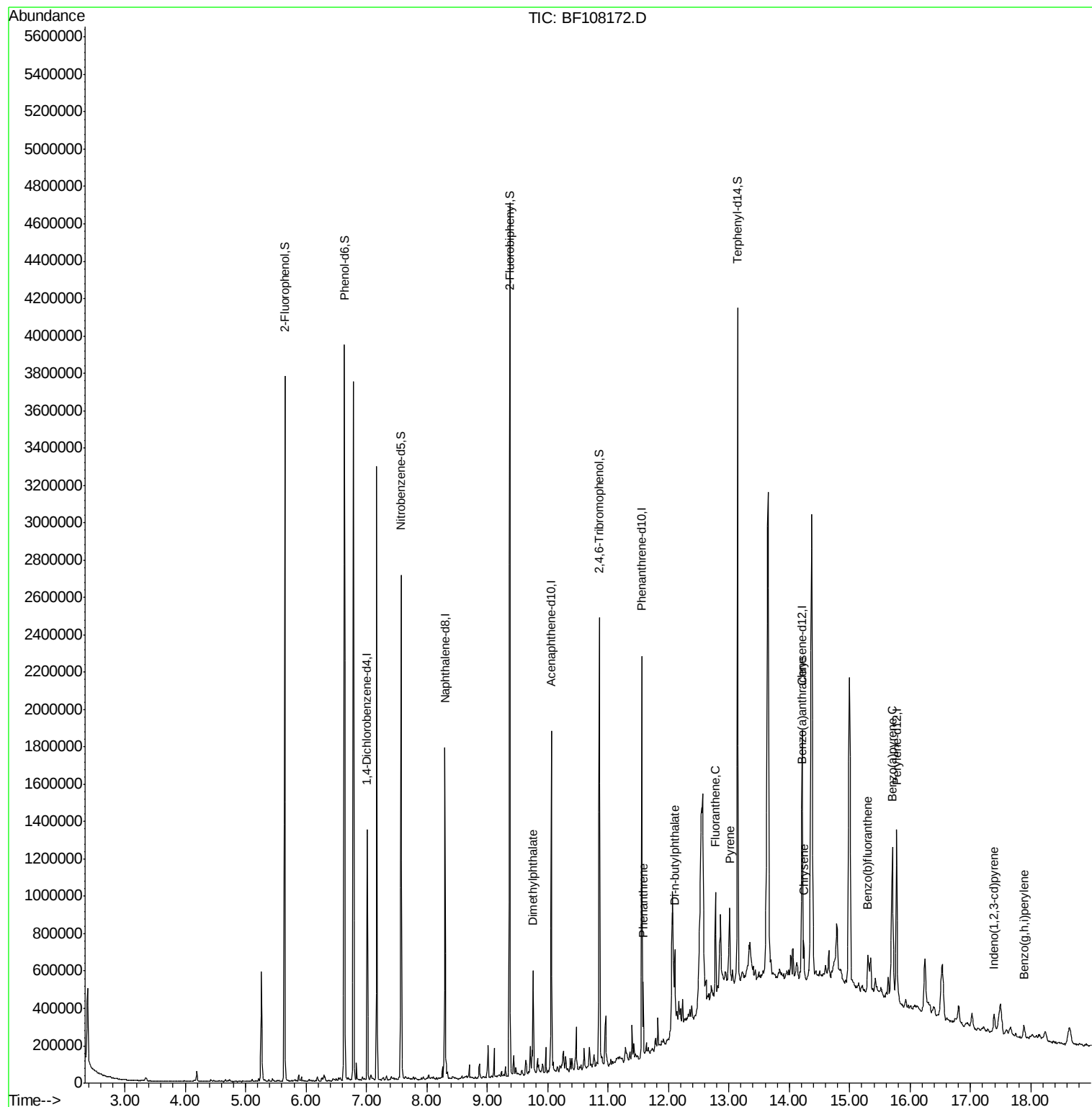
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
Data File : BF108172.D
Acq On : 15 Aug 2018 18:21
Operator : JU/SJ
Sample : J4460-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

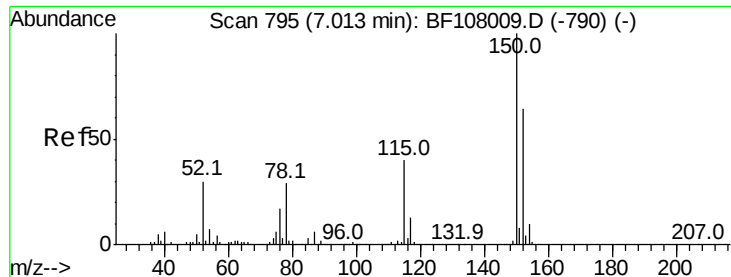
Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Manual Integrations
APPROVED

Sohil
8/16/2018 5:27:03 PM

Quant Time: Aug 16 02:17:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration





#1

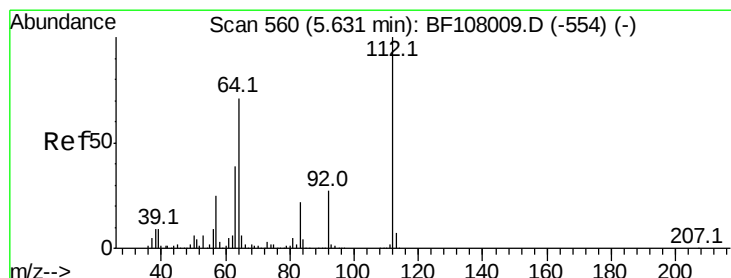
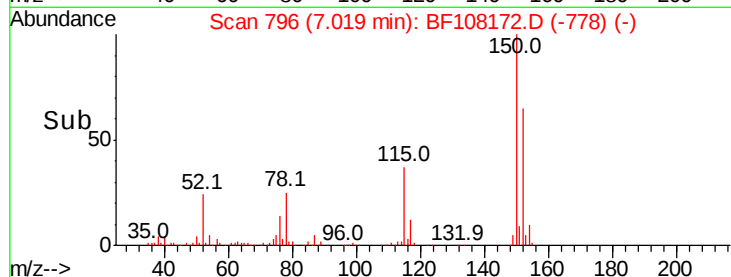
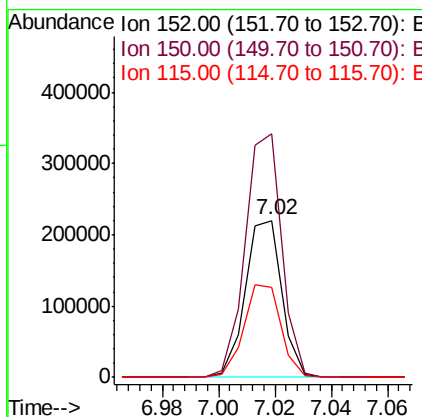
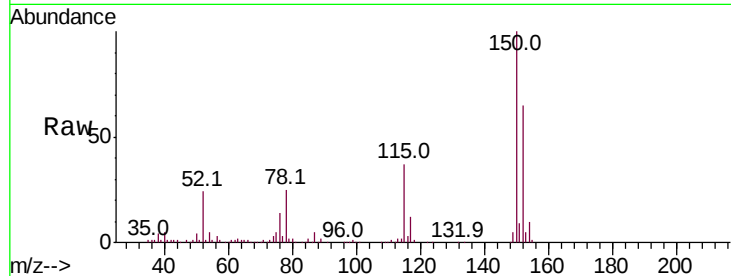
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	57.5	50.1	75.1

Manual Integrations
APPROVED

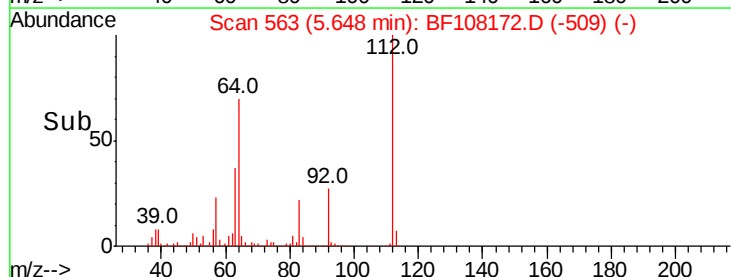
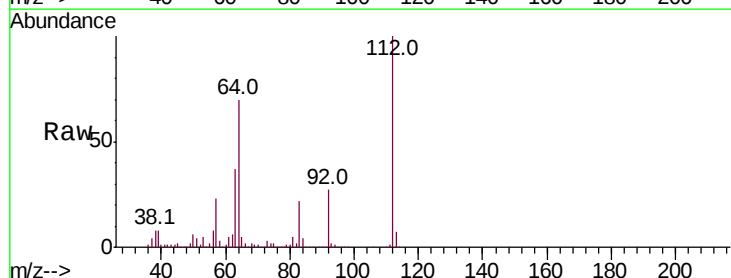
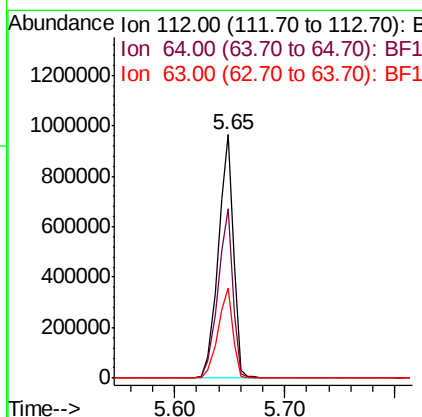
Sohil
8/16/2018 5:27:03 PM

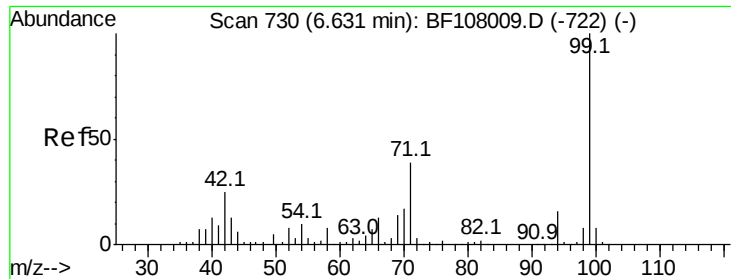


#5

2-Fluorophenol
Concen: 83.991 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	47.9	71.9
63	36.9	23.7	35.5





#7

Phenol-d6

Concen: 87.743 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Instrument :

BNA_F

ClientSampleId :

RA-080918-SW-002

Tot Ion: 99 Resp: 1273914

Ion Ratio Lower Upper

99 100

42 23.8 14.5 21.7#

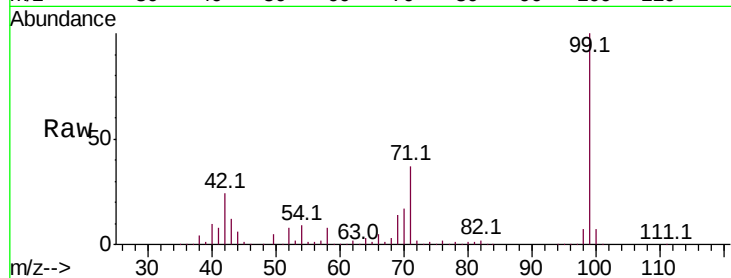
71 37.1 25.4 38.0

Manual Integrations

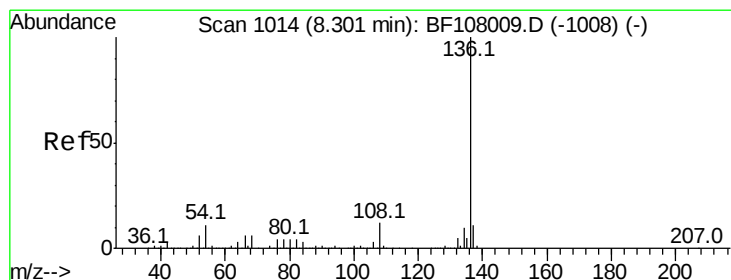
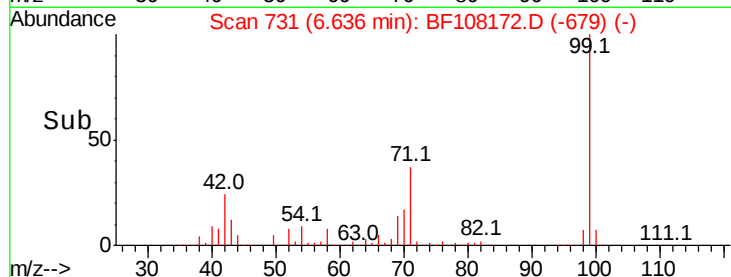
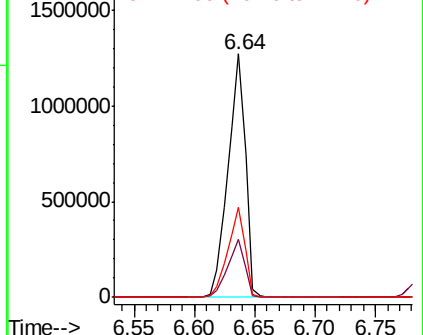
APPROVED

Sohil

8/16/2018 5:27:03 PM



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: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Tgt Ion: 136 Resp: 744397

Ion Ratio Lower Upper

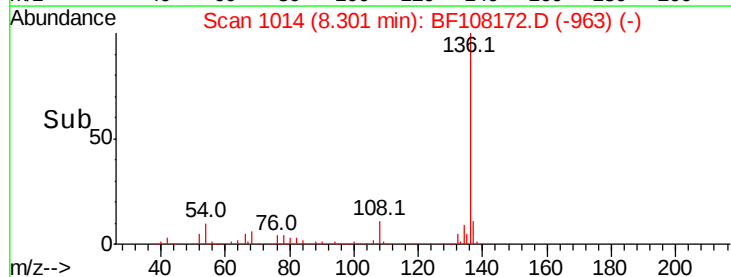
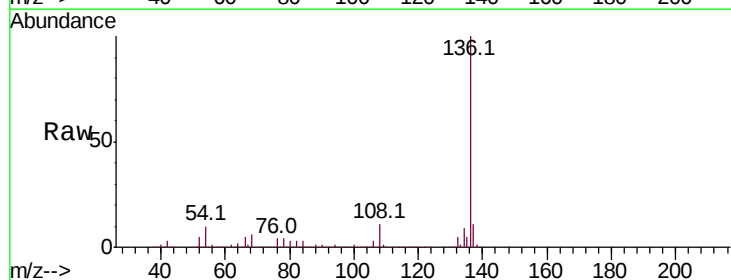
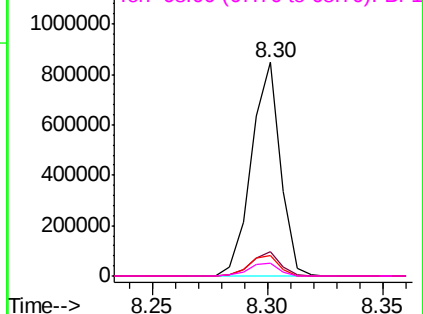
136 100

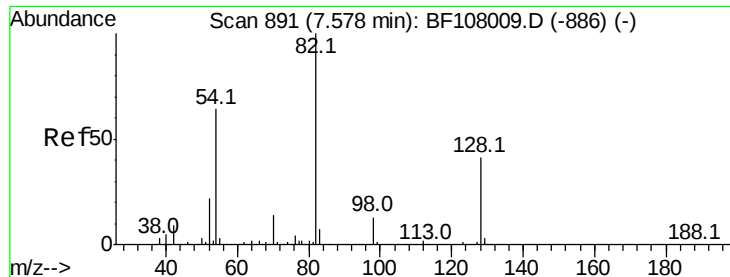
137 11.2 8.9 13.3

54 9.8 6.6 9.8

68 5.9 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





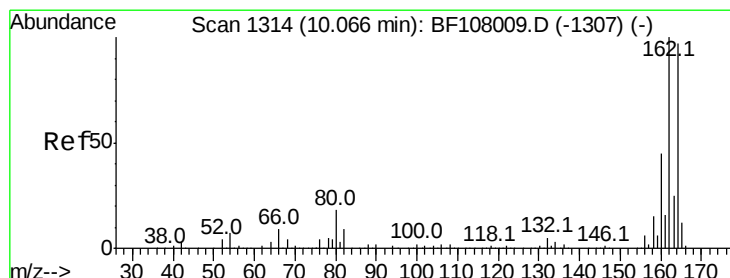
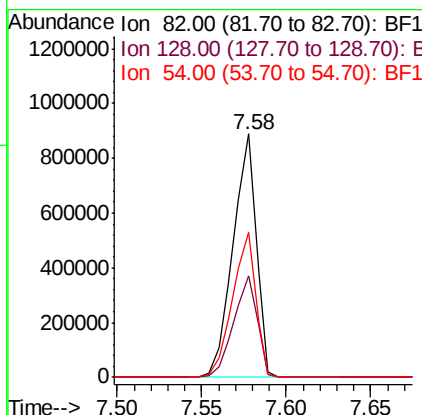
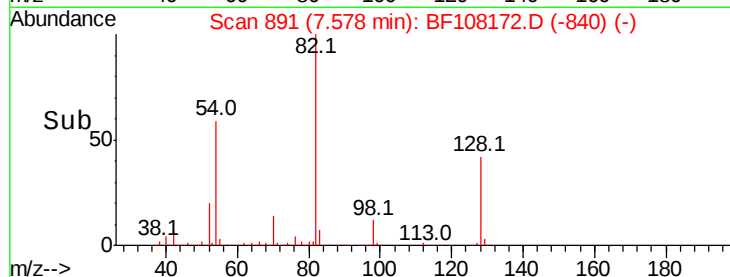
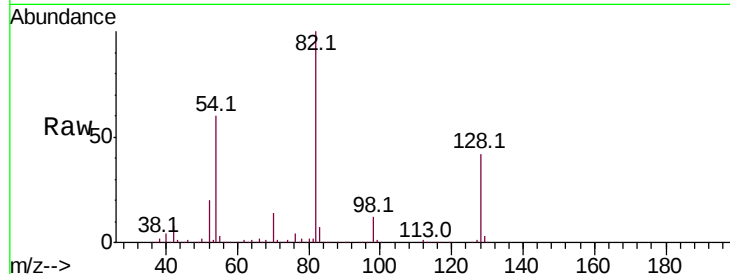
#23
Nitrobenzene-d5
Concen: 63.992 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	59.5	41.4	62.2

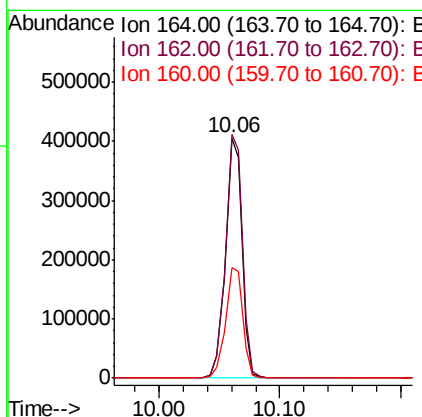
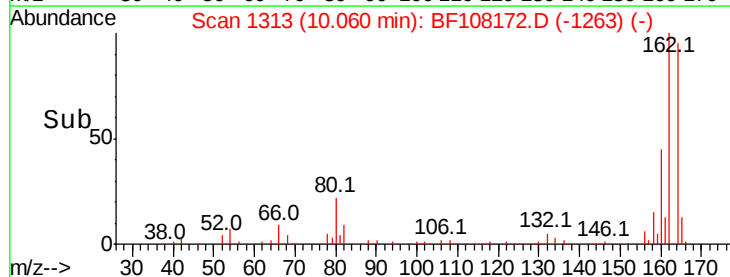
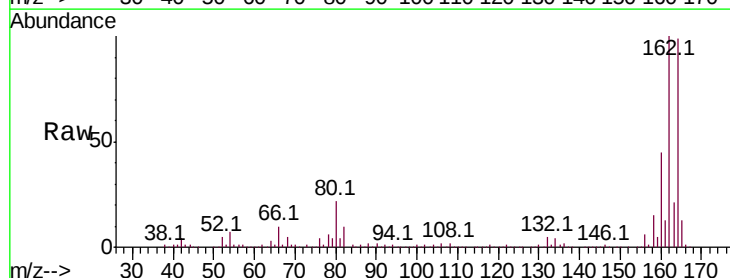
Manual Integrations
APPROVED

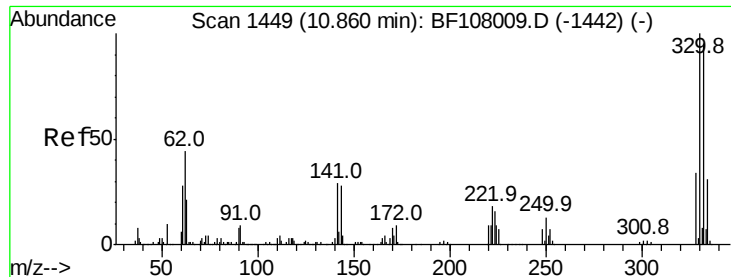
Sohil
8/16/2018 5:27:03 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.1	129.1
160	45.9	38.3	57.5





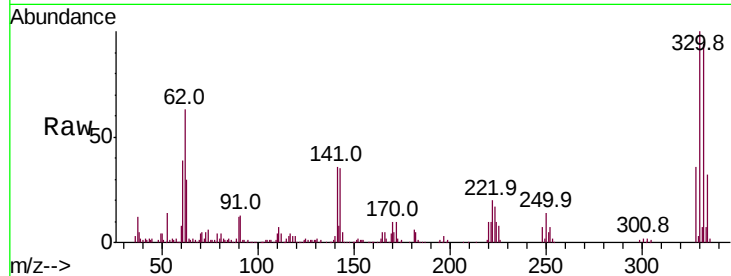
#41
 2,4,6-Tribromophenol
 Concen: 69.174 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108172.D
 Acq: 15 Aug 2018 18:21

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

Tot Ion	Ratio	Resp	Lower	Upper
330	100	266067		
332	95.6	77.0	115.6	
141	33.4	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 8/16/2018 5:27:03 PM

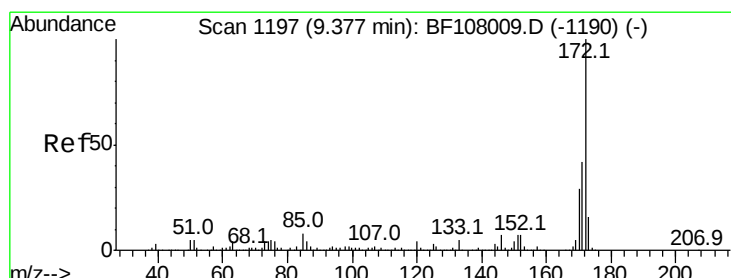
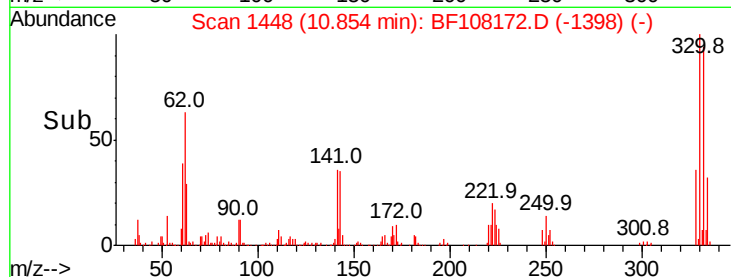
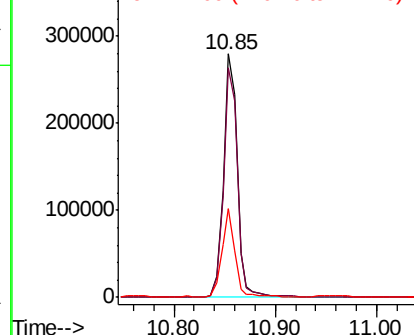


Abundance

Ion 329.80 (329.50 to 330.50): E

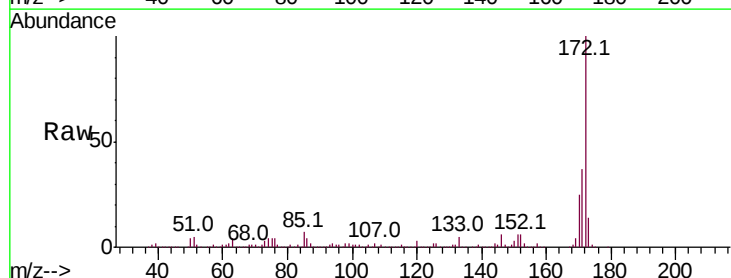
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 60.011 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108172.D
 Acq: 15 Aug 2018 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1441372		
171	37.2	29.7	44.5	
170	25.4	19.6	29.4	

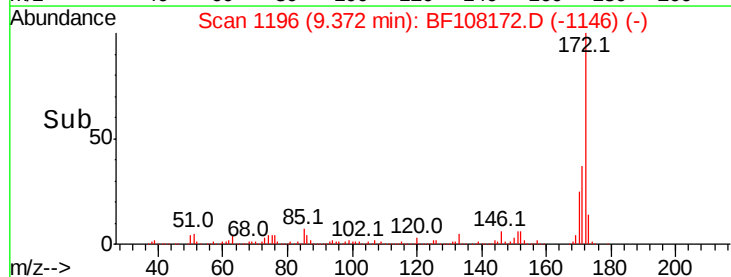
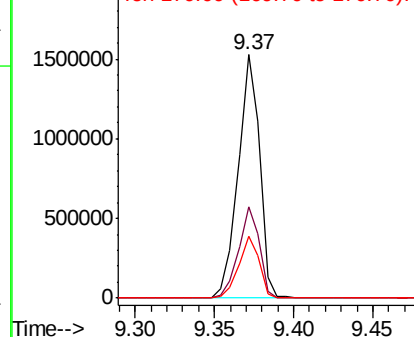


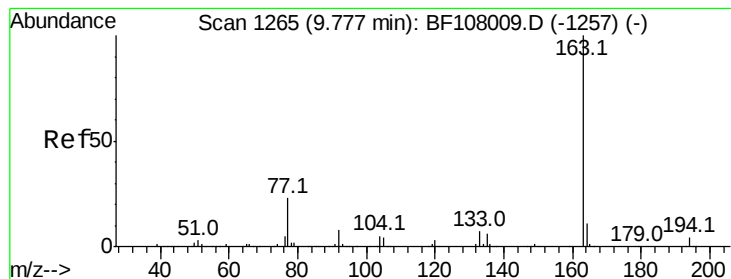
Abundance

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: 6.653 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Instrument :

BNA_F

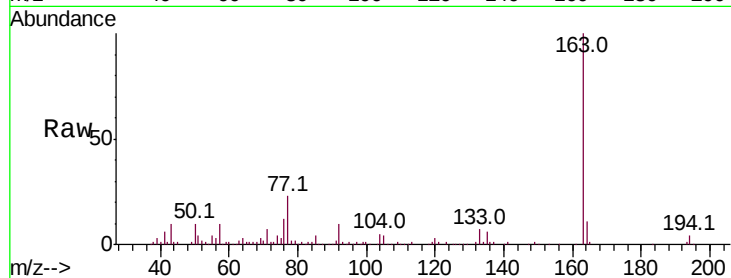
ClientSampleId :

RA-080918-SW-002

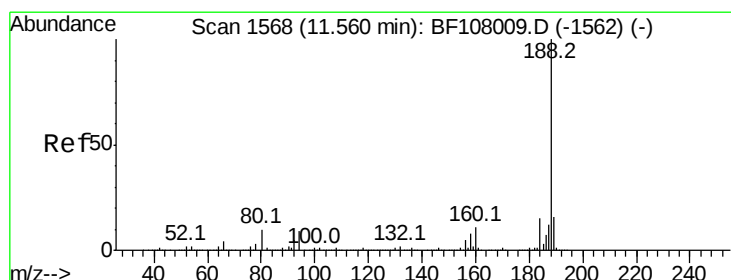
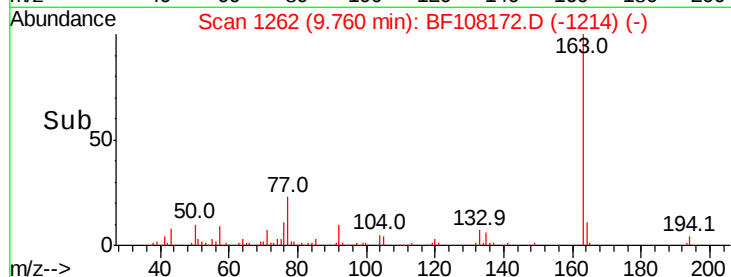
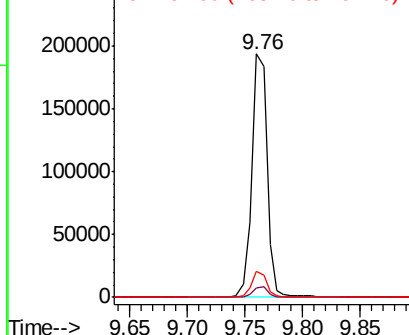
Tot Ion:	163	Resp:	178710
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	10.5	8.2	12.2

Manual Integrations
APPROVED

Sohil
8/16/2018 5:27:03 PM



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

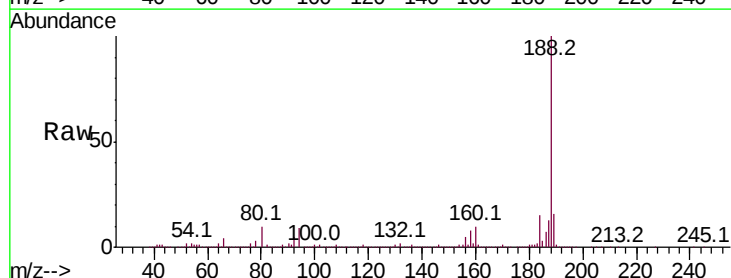
RT: 11.56 min Scan# 1568

Delta R.T. 0.00 min

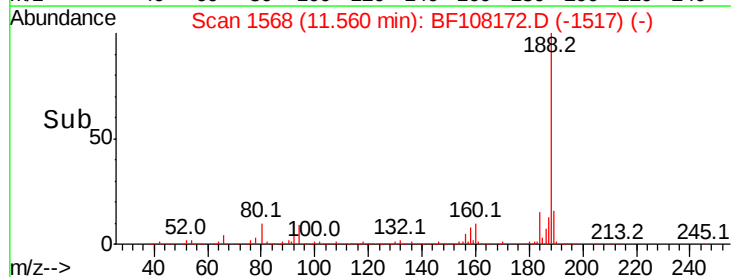
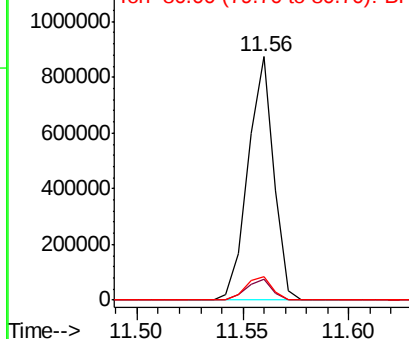
Lab File: BF108172.D

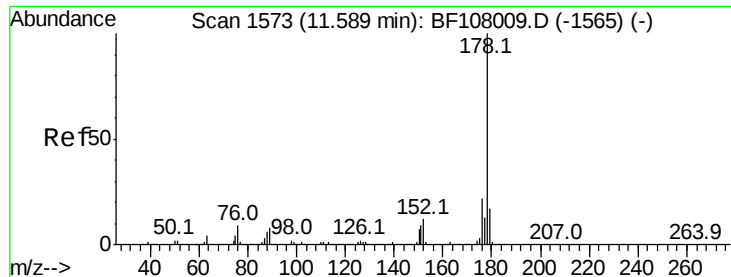
Acq: 15 Aug 2018 18:21

Tgt Ion:	188	Resp:	740125
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	9.7	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: 3.864 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Instrument :

BNA_F

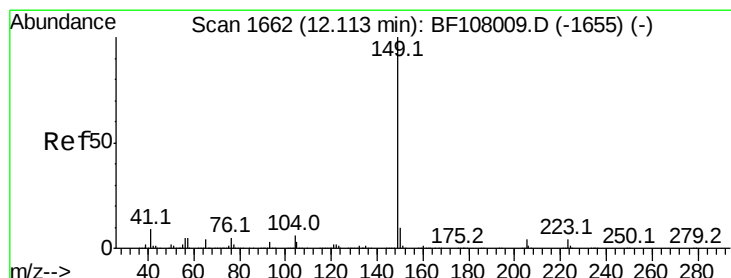
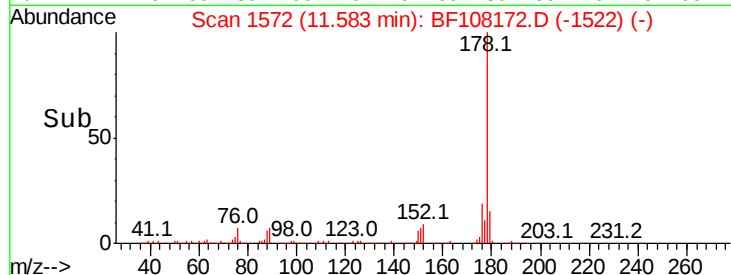
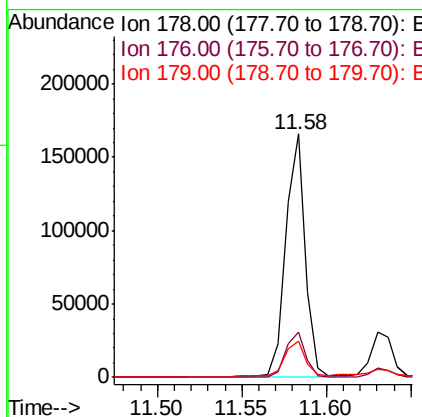
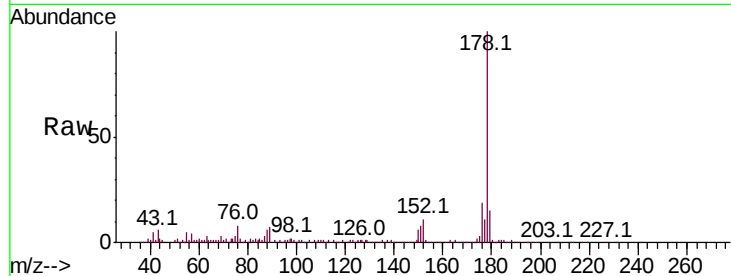
ClientSampleId :

RA-080918-SW-002

Tot Ion:	178	Resp:	134880
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.1	13.0	19.6

Manual Integrations
APPROVED

Sohil
8/16/2018 5:27:03 PM



#73

Di-n-butylphthalate

Concen: 4.679 ng

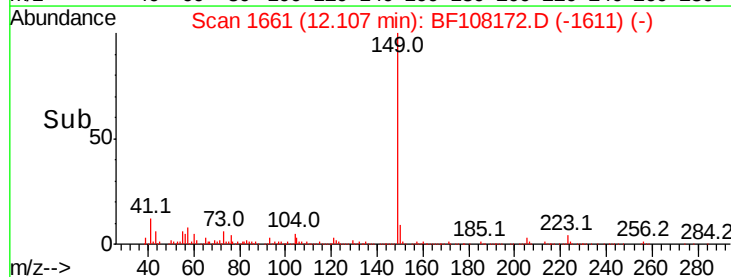
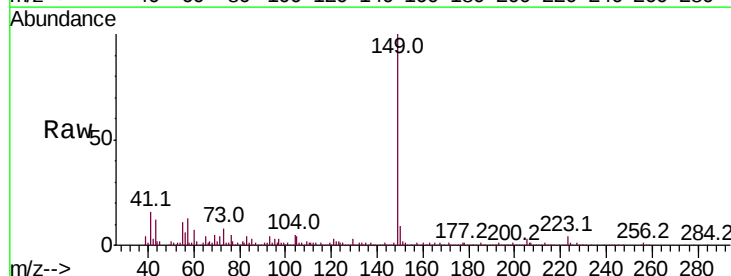
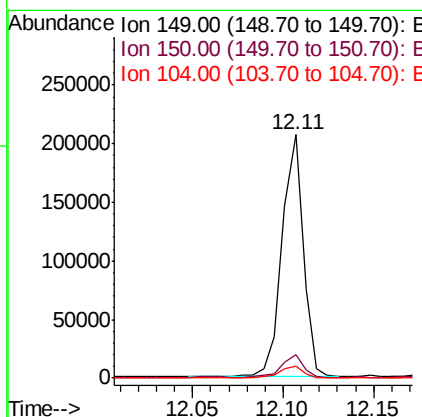
RT: 12.11 min Scan# 1661

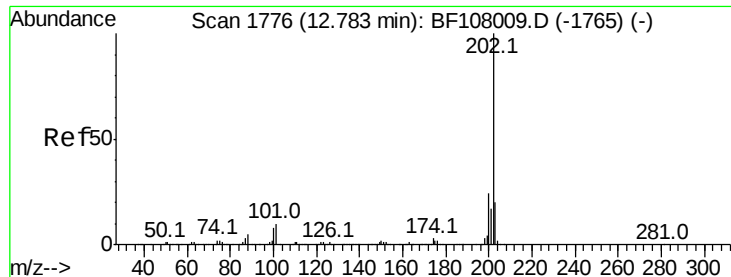
Delta R.T. -0.01 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Tgt Ion:	149	Resp:	168479
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.6
104	4.8	3.8	5.8





#74

Fluoranthene

Concen: 5.207 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Instrument :

BNA_F

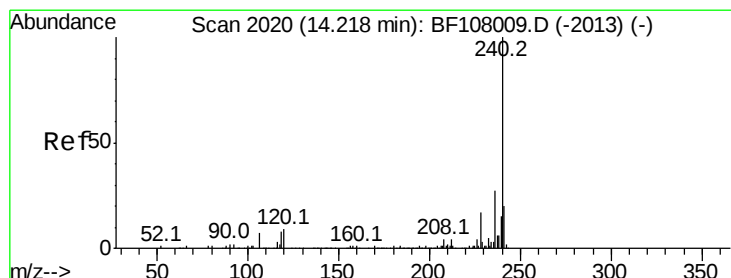
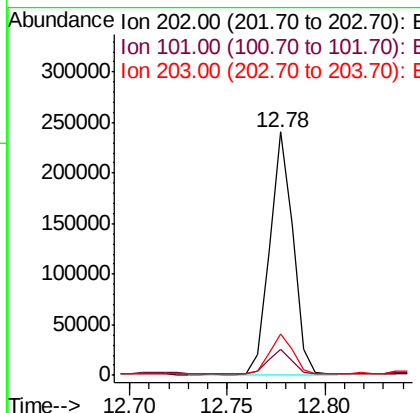
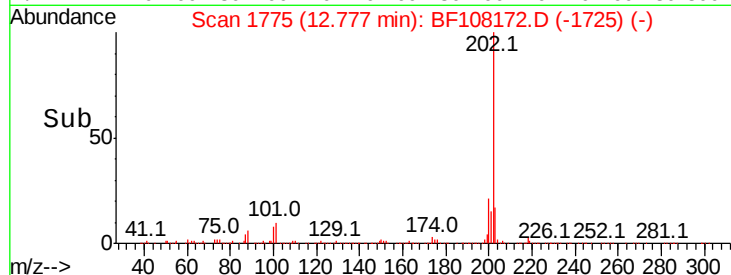
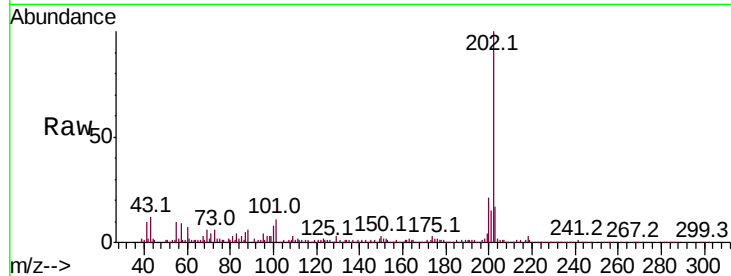
ClientSampleId :

RA-080918-SW-002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.9	0.0	34.1		
203	17.1	0.0	38.1		

Manual Integrations
APPROVED

Sohil
8/16/2018 5:27:03 PM



#75

Chrysene-d12

Concen: 20.000 ng

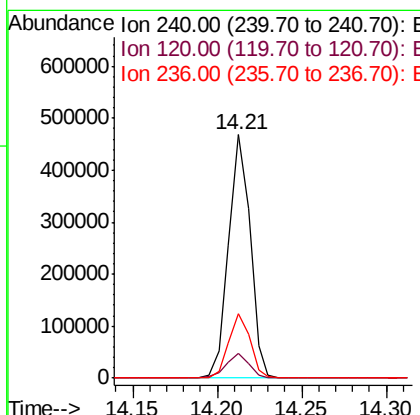
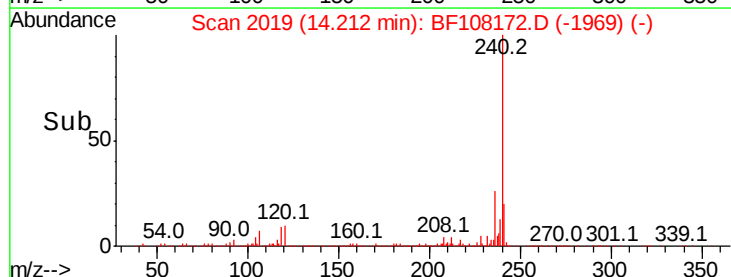
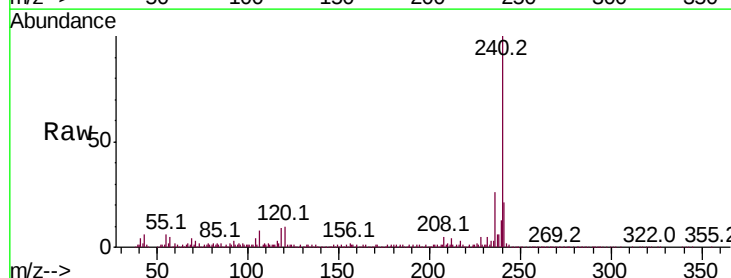
RT: 14.21 min Scan# 2019

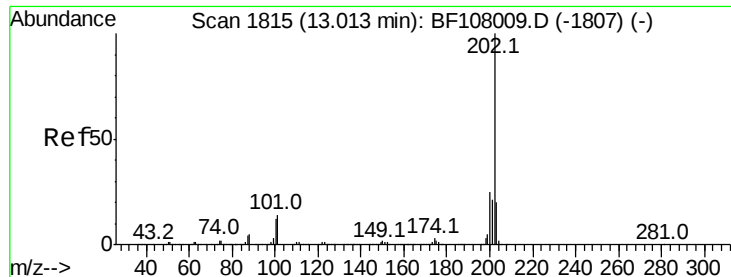
Delta R.T. -0.01 min

Lab File: BF108172.D

Acq: 15 Aug 2018 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.4	9.5	14.3		
236	26.3	20.7	31.1		





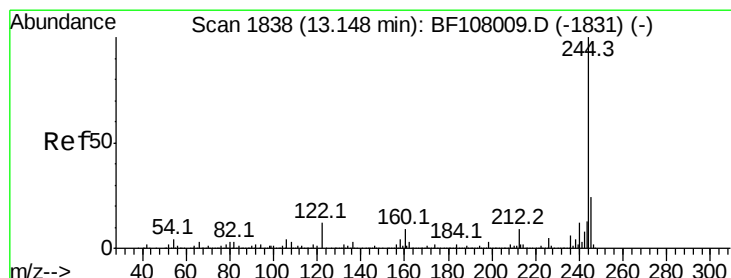
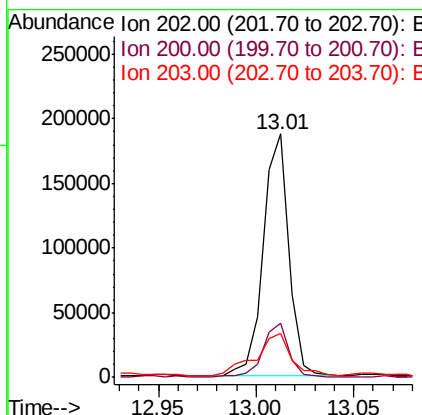
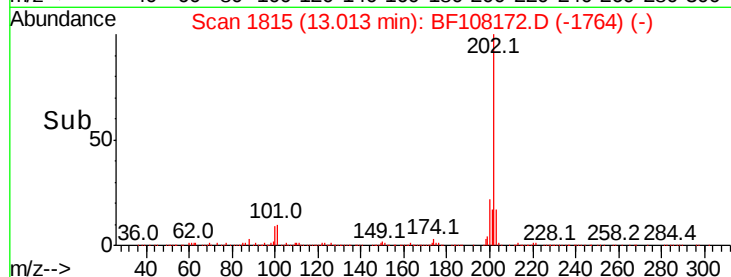
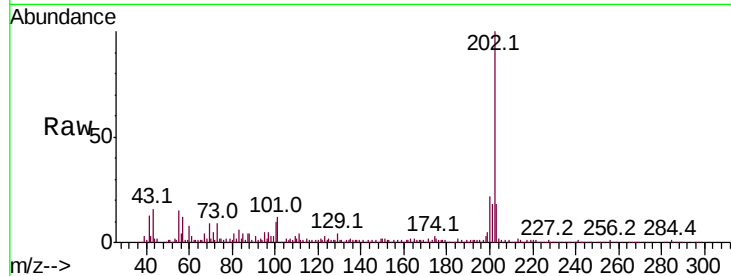
#77
Pvrene
Concen: 6.506 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.1	14.3	21.5

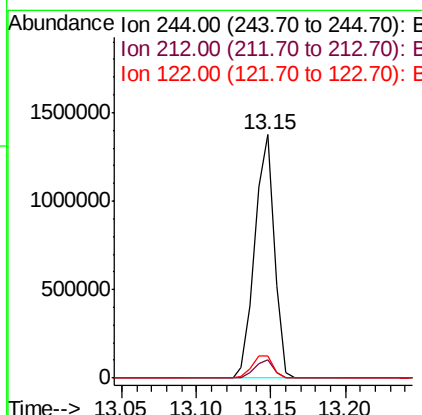
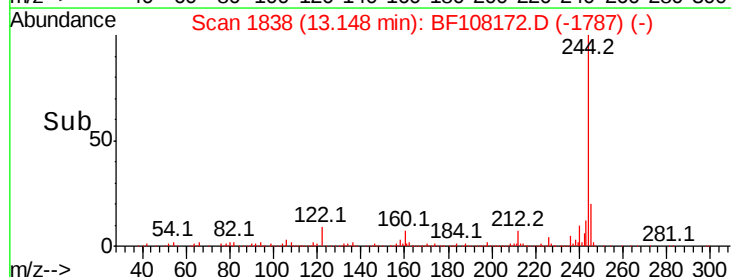
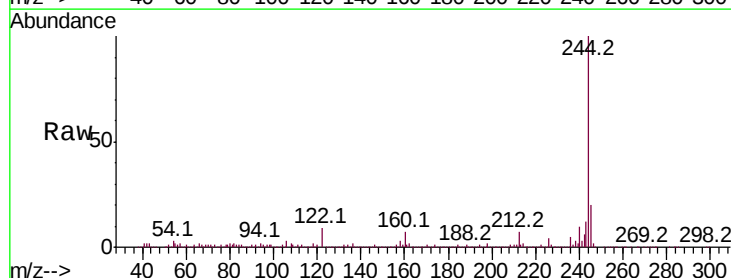
Manual Integrations
APPROVED

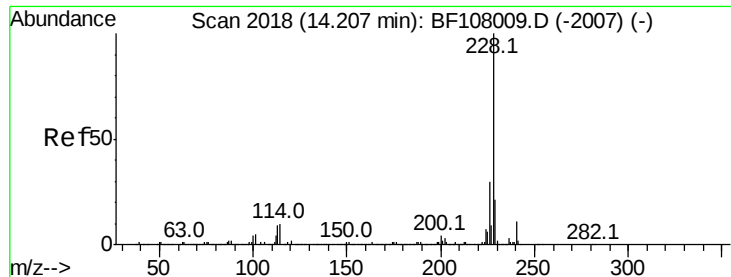
Sohil
8/16/2018 5:27:03 PM



#78
Terphenyl-d14
Concen: 75.656 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	9.1	11.0	16.4#





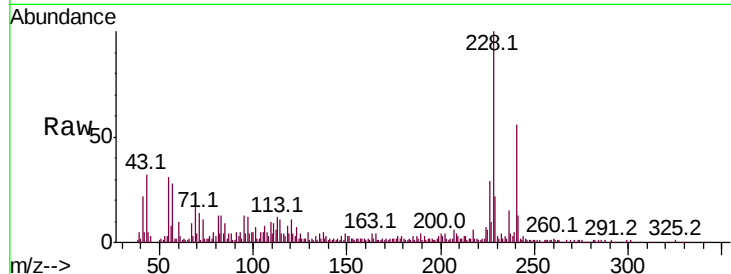
#80
Benzo(a)anthracene
Concen: 3.967 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.9	15.8	23.6

Manual Integrations
APPROVED

Sohil
8/16/2018 5:27:03 PM

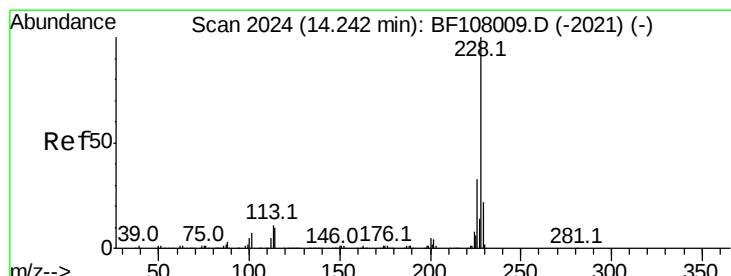
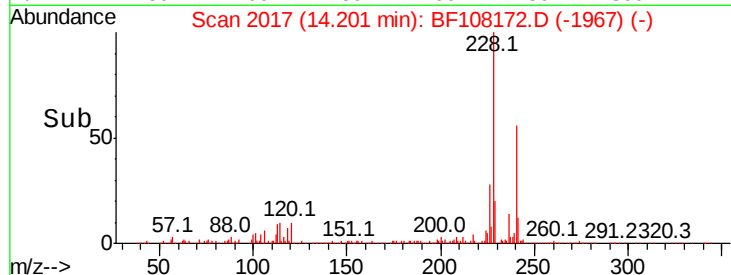
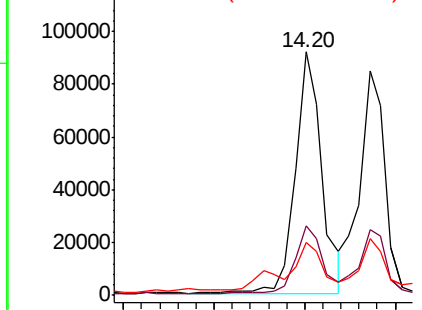


Abundance

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: 3.804 ng m
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

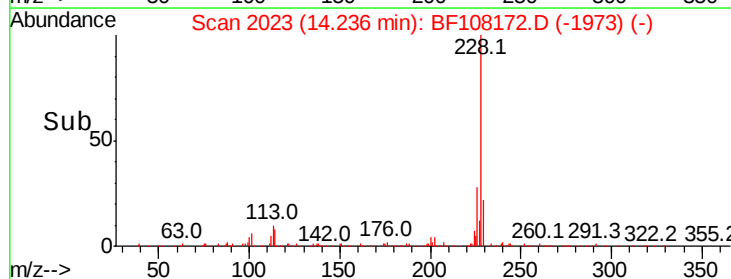
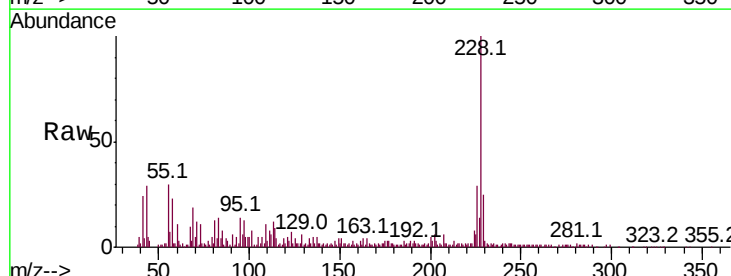
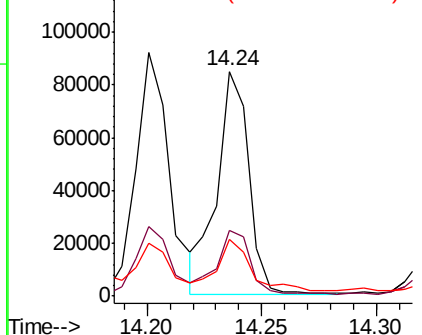
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	25.0	16.2	24.4

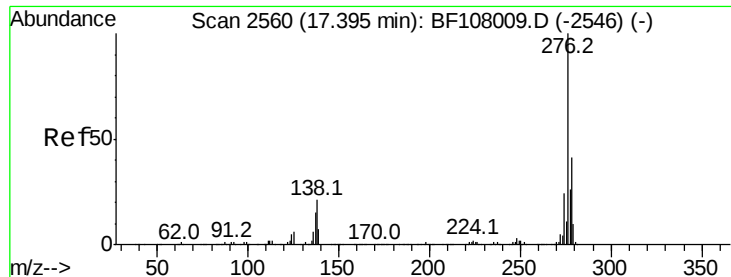
Abundance

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





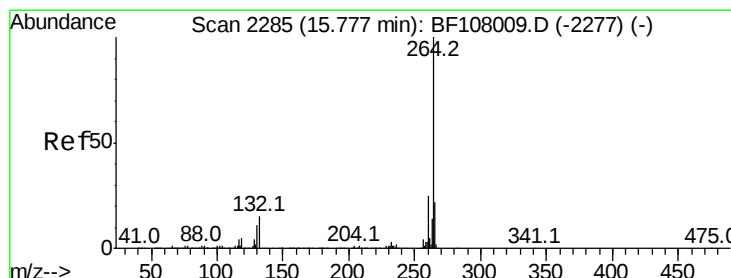
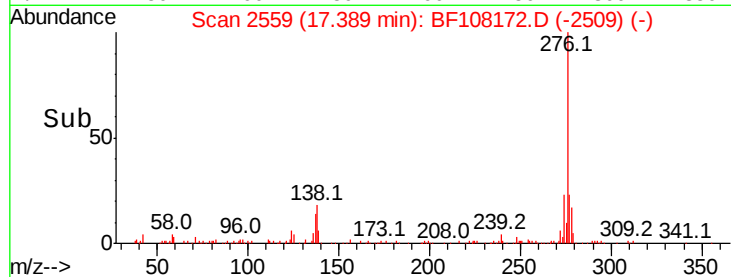
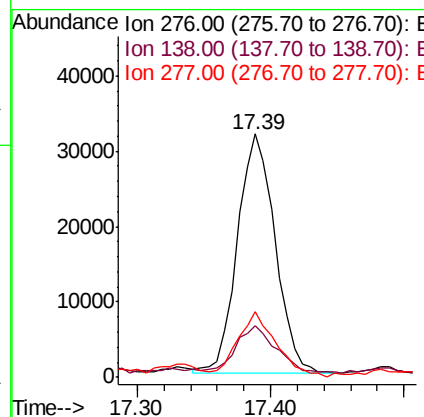
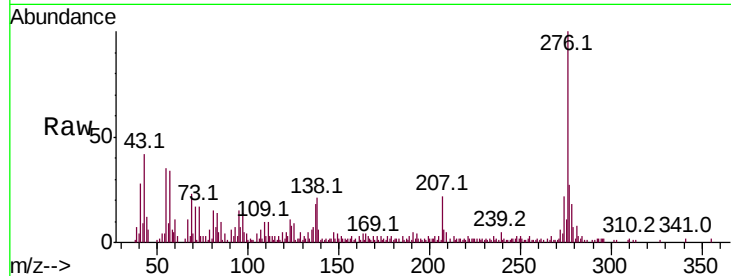
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.298 ng
RT: 17.39 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	25.0	37.6#
277	28.2	20.1	30.1

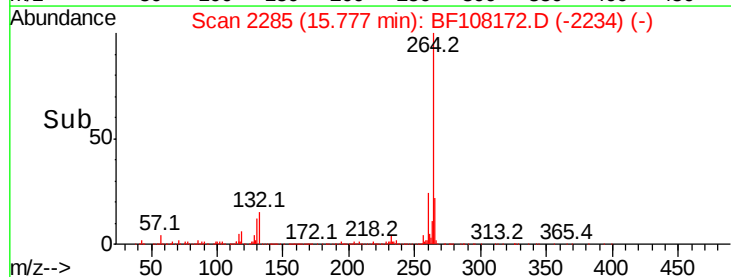
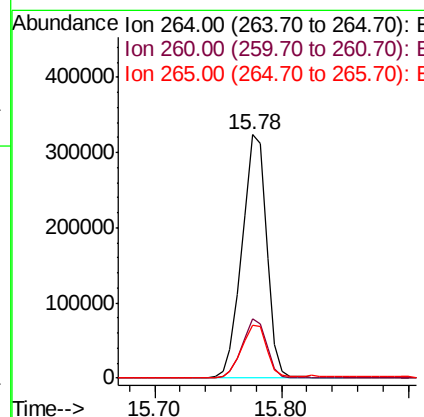
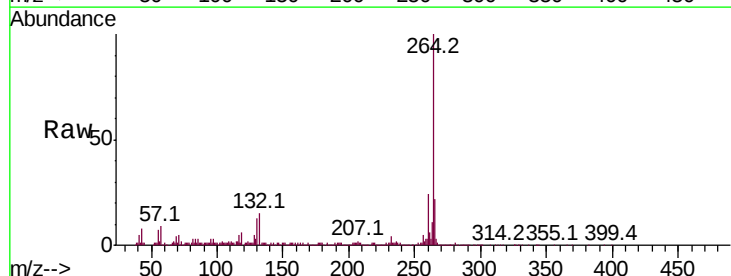
Manual Integrations
APPROVED

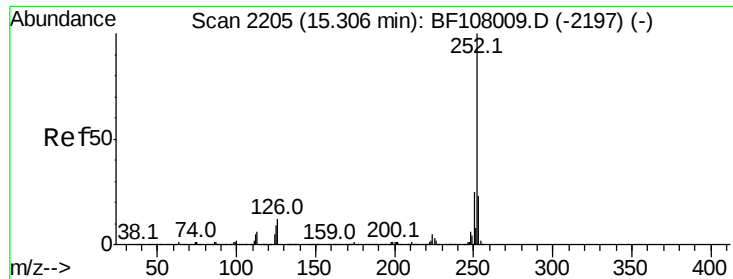
Sohil
8/16/2018 5:27:03 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3





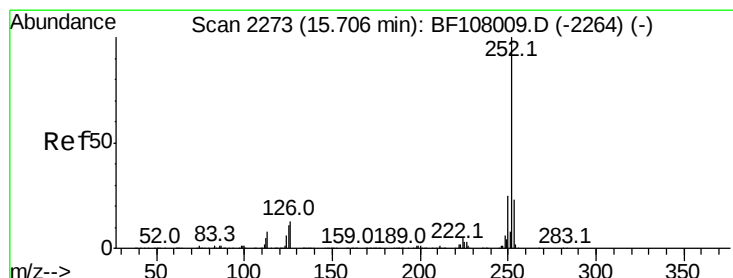
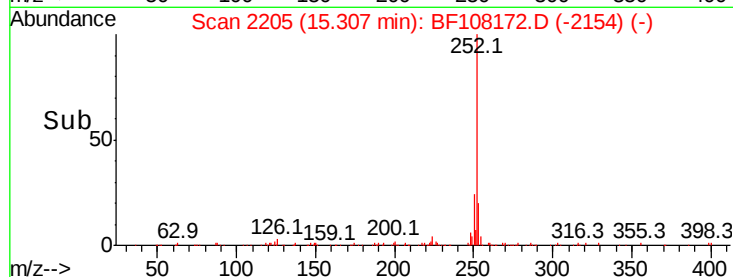
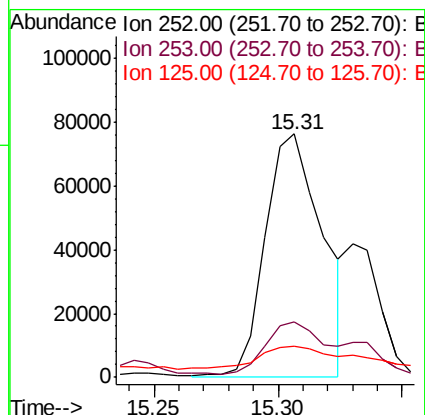
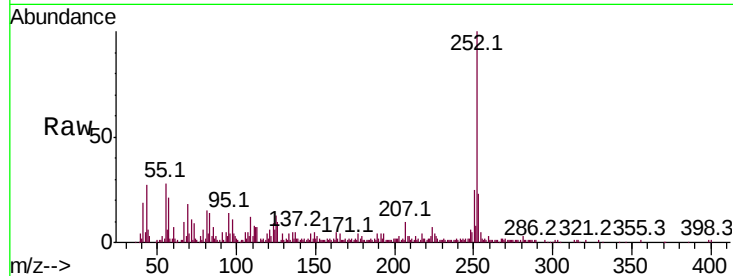
#87
Benzo(b)fluoranthene
Concen: 4.716 ng m
RT: 15.31 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Instrument :
BNA_F
ClientSampleId :
RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.0	9.0	13.6

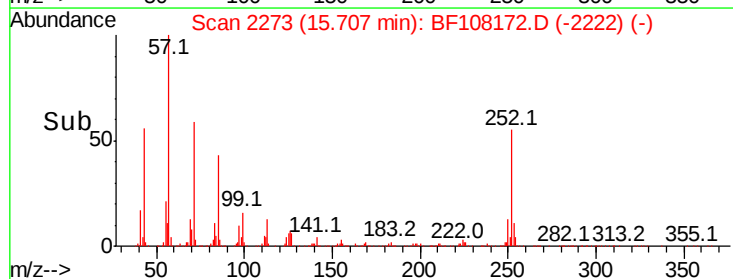
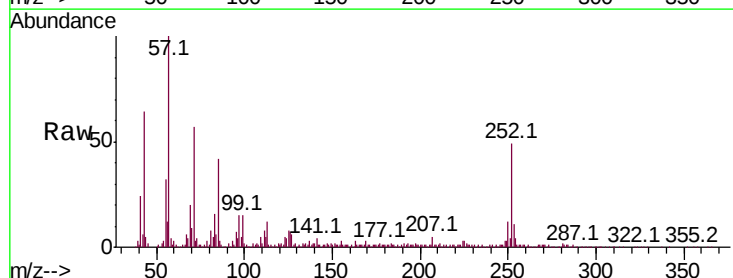
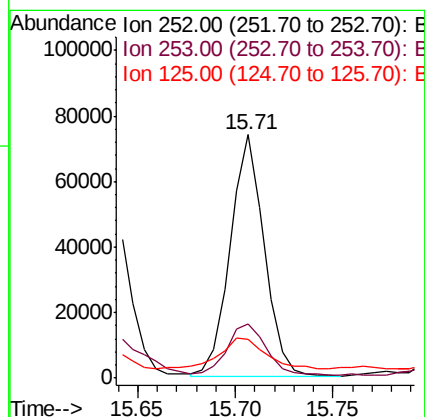
Manual Integrations
APPROVED

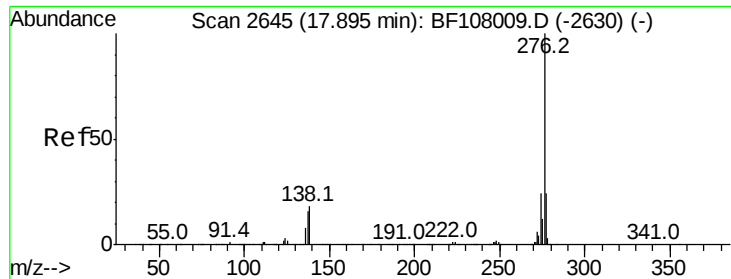
Sohil
8/16/2018 5:27:03 PM



#89
Benzo(a)pyrene
Concen: 3.781 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108172.D
Acq: 15 Aug 2018 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	16.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.134 ng
 RT: 17.88 min Scan# 2643
 Delta R.T. -0.01 min
 Lab File: BF108172.D
 Acq: 15 Aug 2018 18:21

Instrument :
 BNA_F
 ClientSampleId :
 RA-080918-SW-002

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	21.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 8/16/2018 5:27:03 PM

