

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107363.D
 Acq On : 13 Jul 2018 13:30
 Operator : JU/SJ
 Sample : J3947-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAR-4

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:10 PM

Quant Time: Jul 13 15:01:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	52501	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	174493	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	72126	20.00	ng	0.00
63) Phenanthrene-d10	11.47	188	148638	20.00	ng	0.00
75) Chrysene-d12	14.14	240	175451	20.00	ng	0.00
86) Perylene-d12	15.69	264	136329	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	277278	89.43	ng	0.00
7) Phenol-d6	6.58	99	316359	81.71	ng	0.00
23) Nitrobenzene-d5	7.50	82	167197	53.25	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	69128	82.69	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	229558	47.34	ng	0.00
78) Terphenyl-d14	13.06	244	289225	39.93	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.68	163	55681	10.293	ng	98
51) Acenaphthene	10.01	154	44233	9.833	ng	96
57) Fluorene	10.52	166	17408	3.562	ng	97
70) Phenanthrene	11.50	178	44679	6.232	ng	99
71) Anthracene	11.55	178	18124m	2.477	ng	
74) Fluoranthene	12.69	202	87309	11.049	ng	97
77) Pyrene	12.93	202	97529	8.430	ng	97
80) Benzo(a)anthracene	14.13	228	46412	4.340	ng	# 78
82) Chrysene	14.17	228	48727	4.953	ng	# 84
87) Benzo(b)fluoranthene	15.24	252	42573m	5.027	ng	
89) Benzo(a)pyrene	15.63	252	32330	4.294	ng	# 86
91) Benzo(a,h,i)perylene	17.78	276	14981	2.402	ng	# 93

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

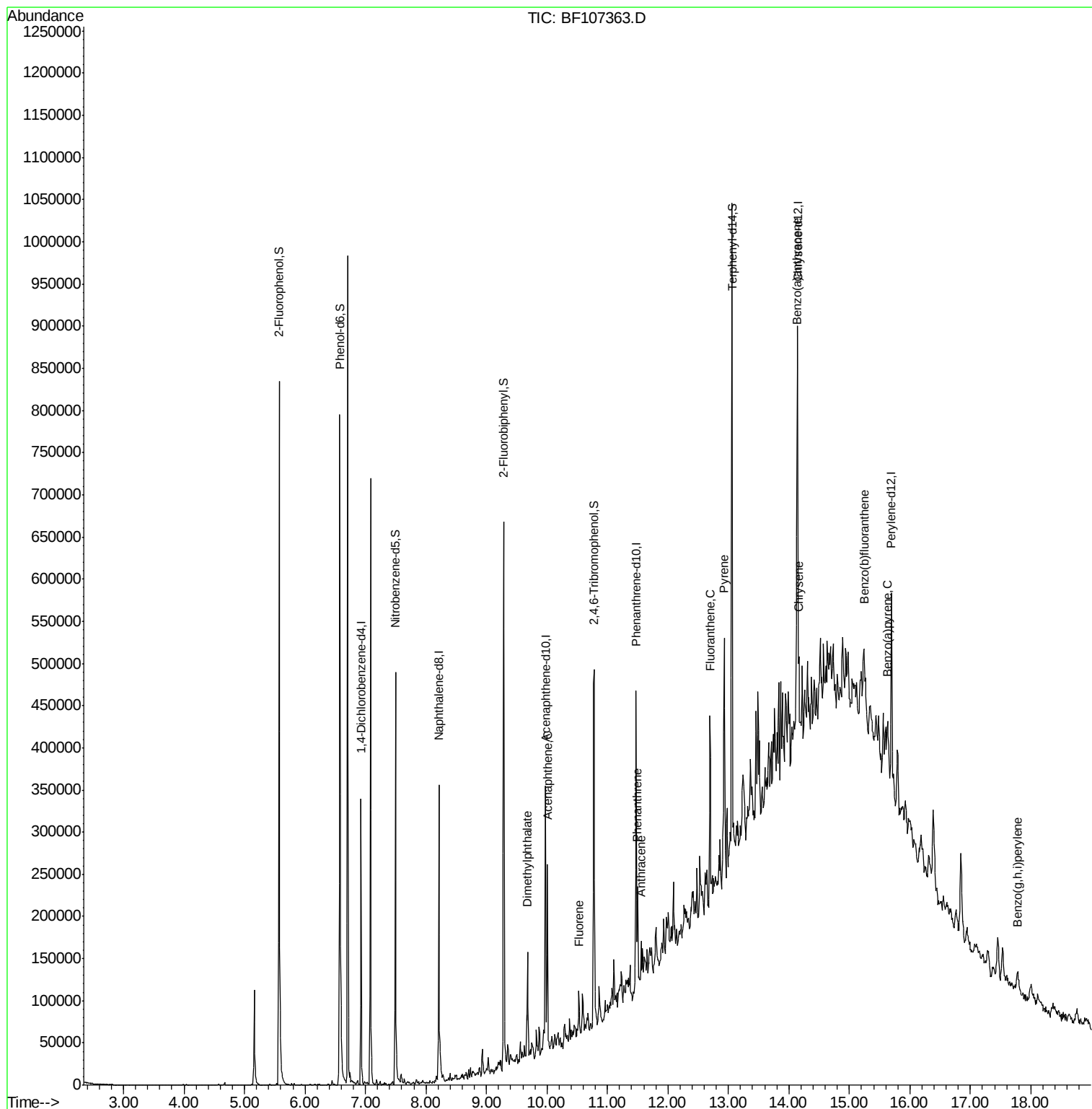
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
Data File : BF107363.D
Acq On : 13 Jul 2018 13:30
Operator : JU/SJ
Sample : J3947-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

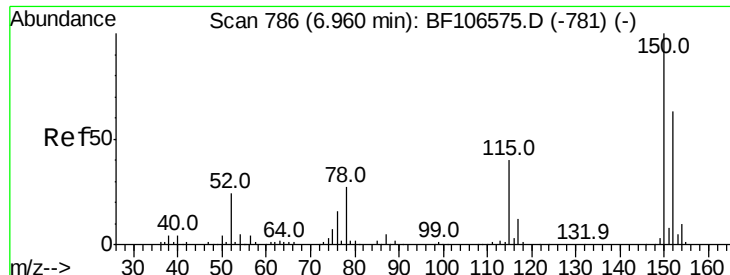
Instrument :
BNA_F
ClientSampleId :
PAR-4

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:10 PM

Quant Time: Jul 13 15:01:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 13 11:54:53 2018
Response via : Initial Calibration





#1

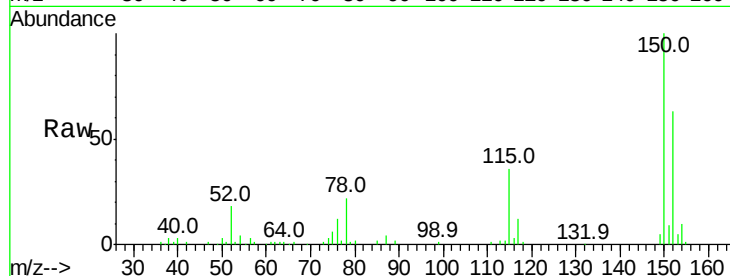
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Instrument :
BNA_F
ClientSampled :
PAR-4

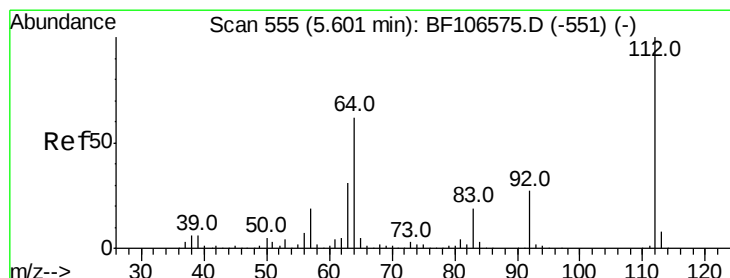
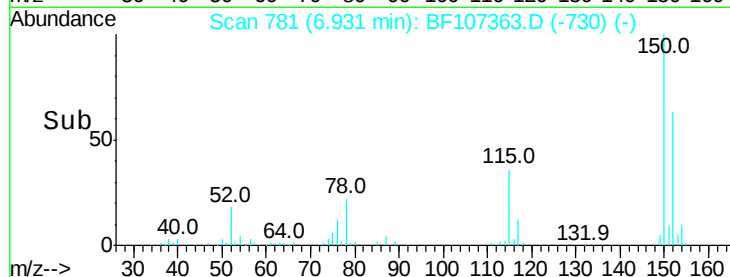
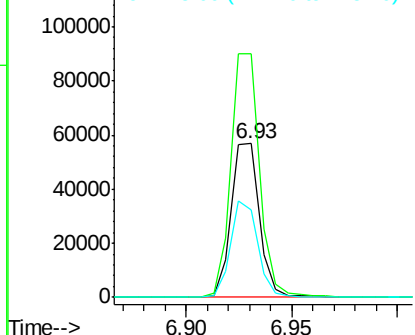
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	57.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:10 PM



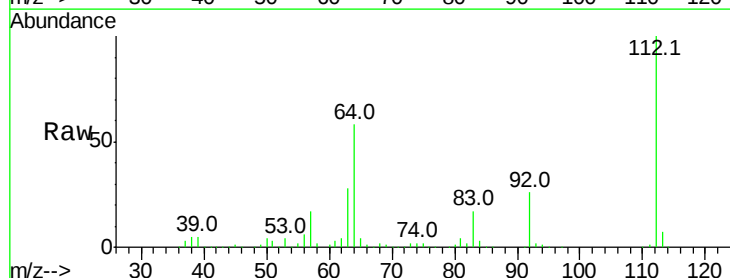
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



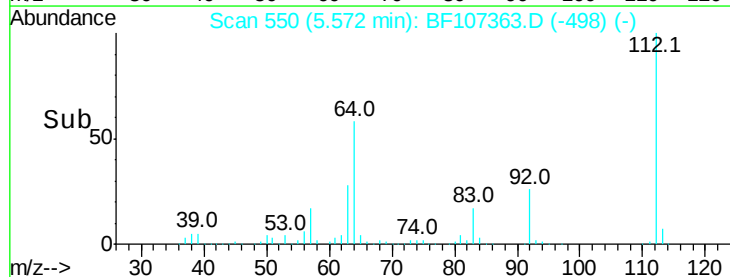
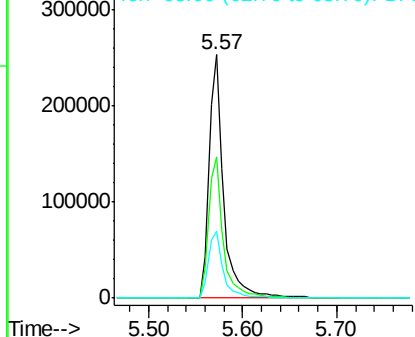
#5

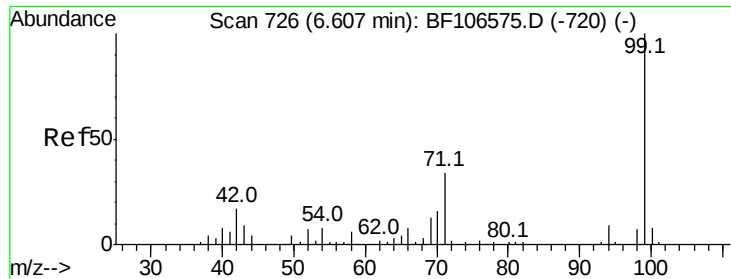
2-Fluorophenol
Concen: 89.431 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	27.5	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: 81.706 ng

RT: 6.58 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF107363.D

Acq: 13 Jul 2018 13:30

Instrument :

BNA_F

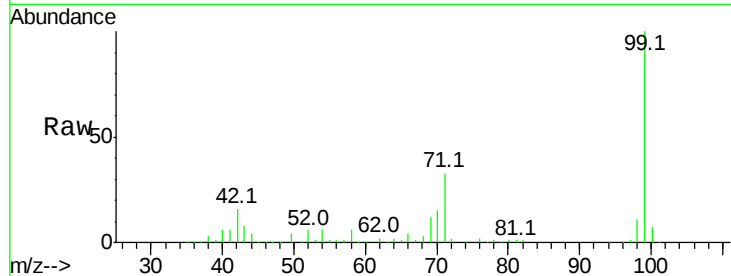
ClientSampled :

PAR-4

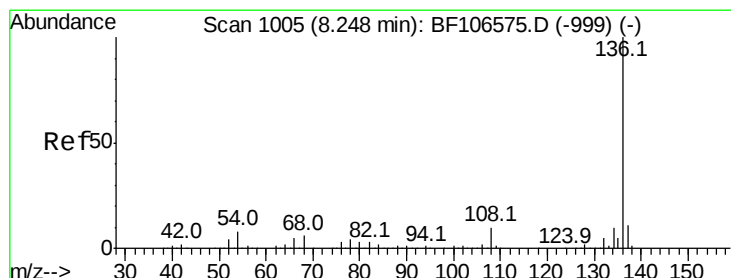
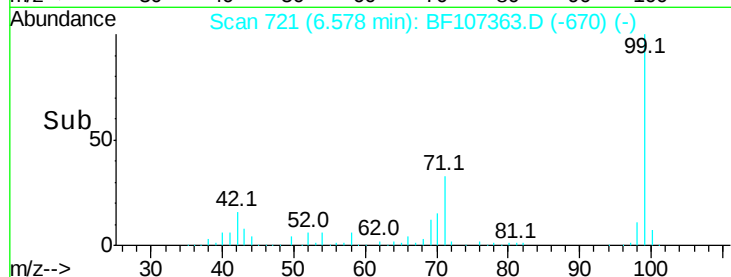
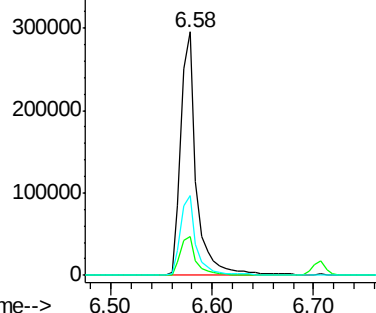
Tot Ion:	99	Resp:	316359
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	32.8	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:10 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: 8.21 min Scan# 999

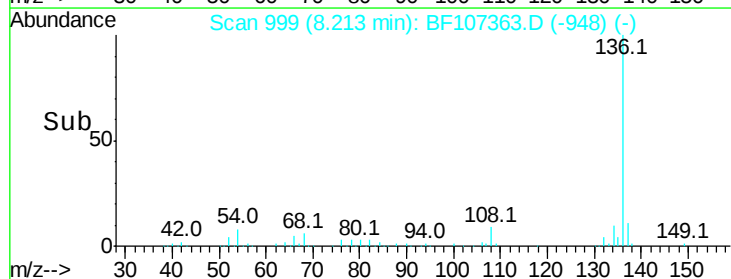
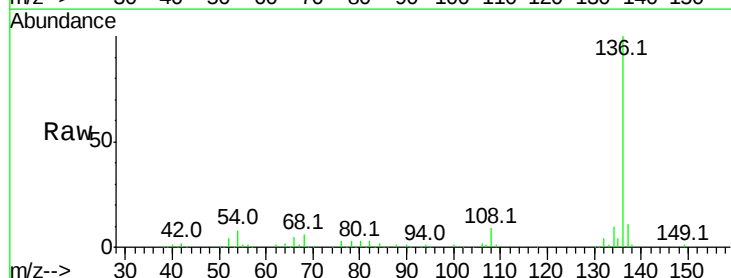
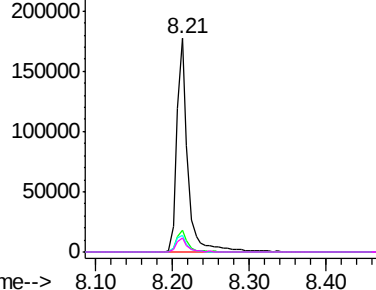
Delta R.T. 0.00 min

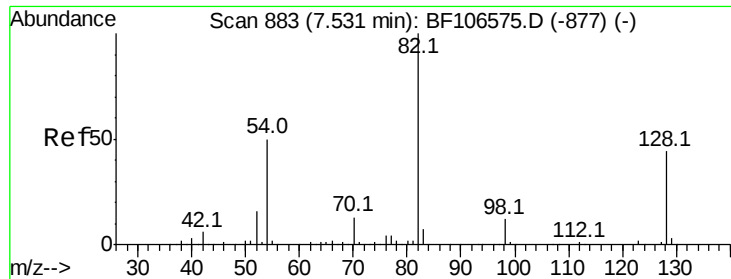
Lab File: BF107363.D

Acq: 13 Jul 2018 13:30

Tgt Ion:	136	Resp:	174493
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	8.1	6.6	9.8
68	6.4	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





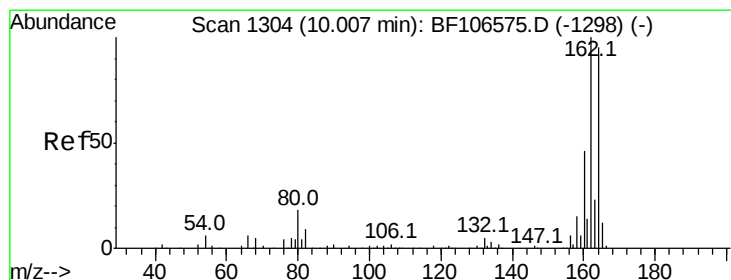
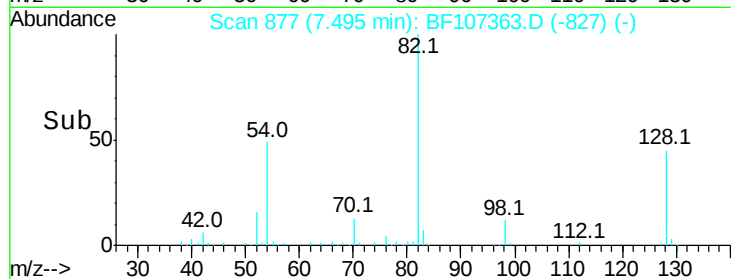
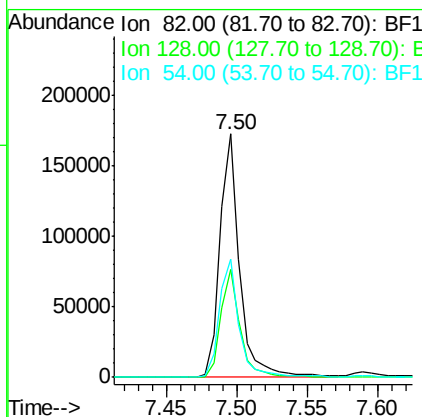
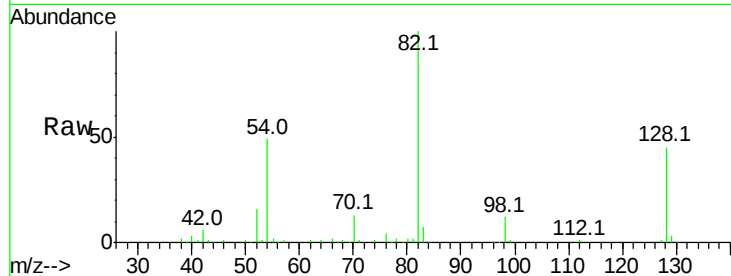
#23
 Nitrobenzene-d5
 Concen: 53.250 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107363.D
 Acq: 13 Jul 2018 13:30

Instrument :
 BNA_F
 ClientSampled :
 PAR-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	48.6	41.4	62.2

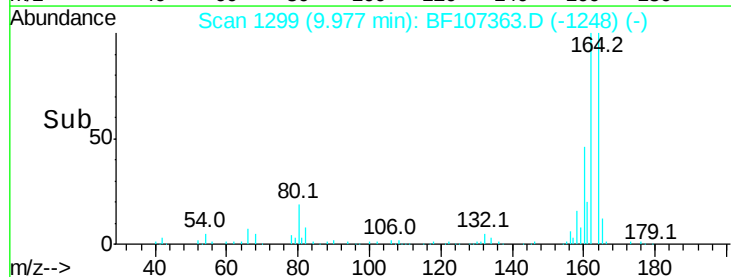
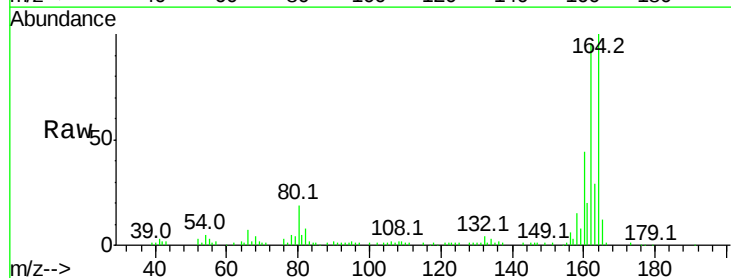
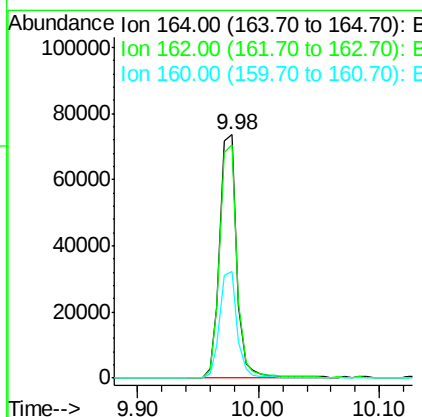
Manual Integrations
 APPROVED

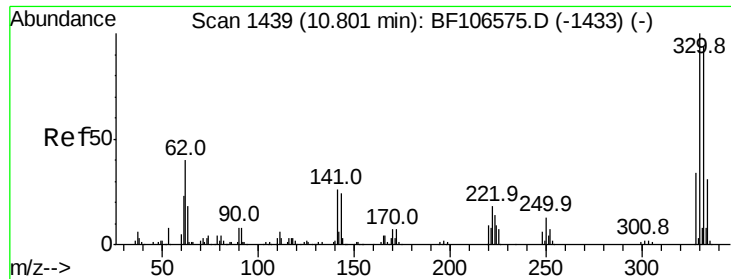
Sohil
 7/16/2018 3:22:10 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BF107363.D
 Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.9	86.1	129.1
160	43.8	38.3	57.5





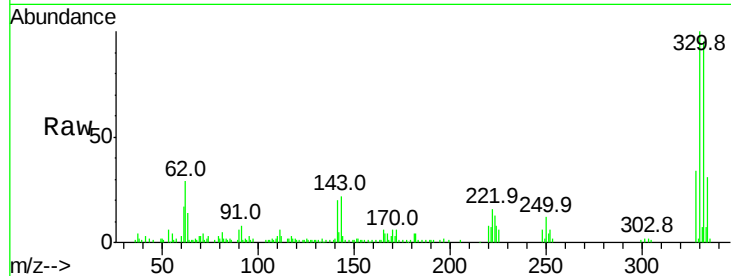
#41
 2,4,6-Tribromophenol
 Concen: 82.693 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF107363.D
 Acq: 13 Jul 2018 13:30

Instrument :
 BNA_F
 ClientSampleId :
 PAR-4

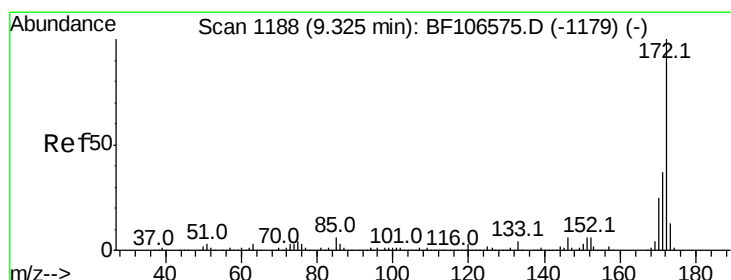
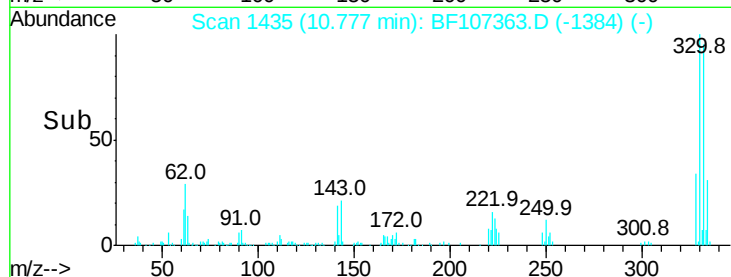
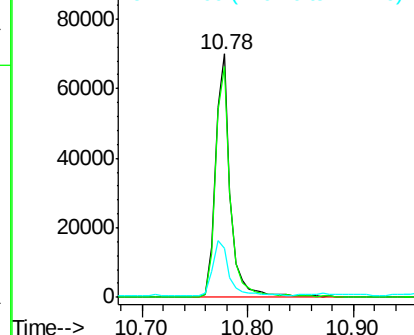
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	24.8	29.9	44.9#

Manual Integrations
 APPROVED

Sohil
 7/16/2018 3:22:10 PM



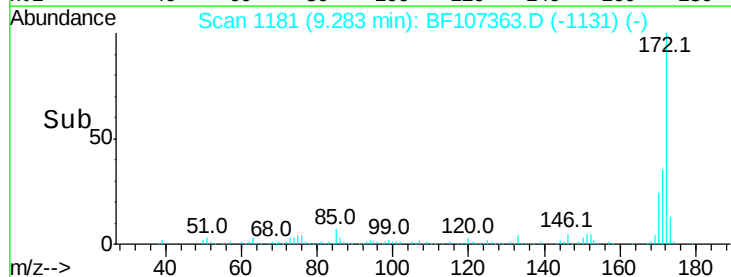
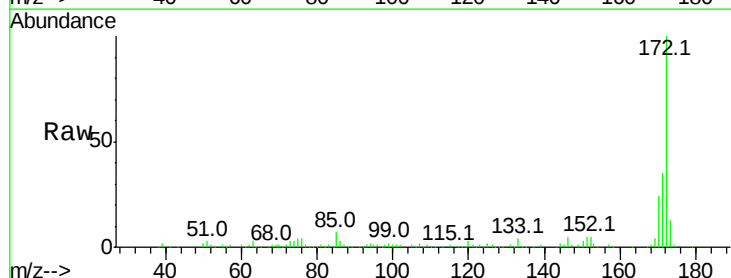
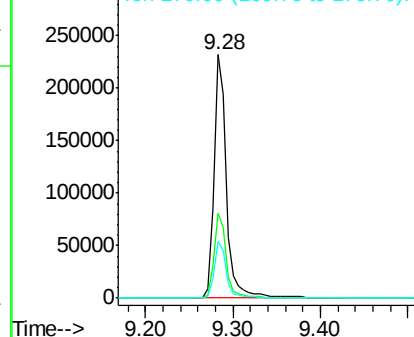
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

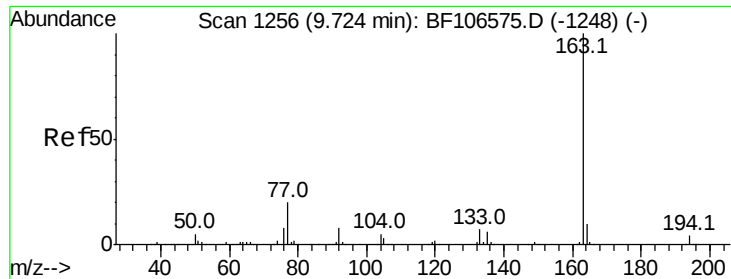


#44
 2-Fluorobiphenyl
 Concen: 47.335 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF107363.D
 Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.5	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





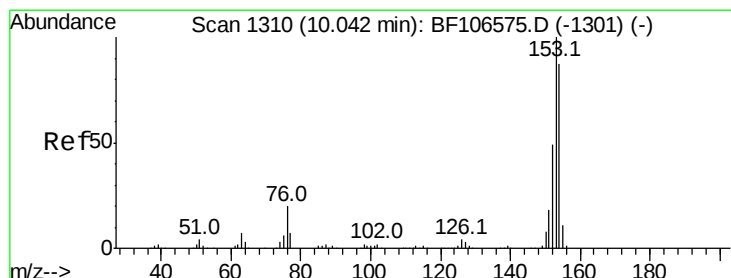
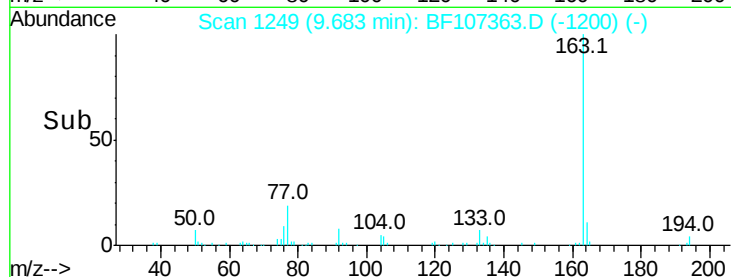
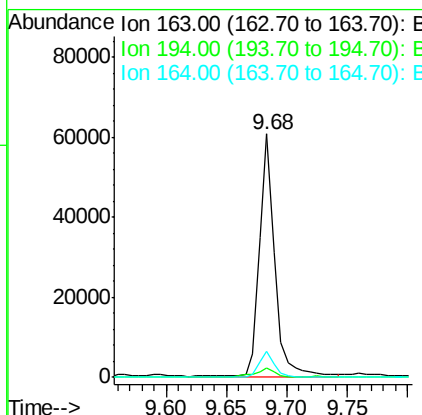
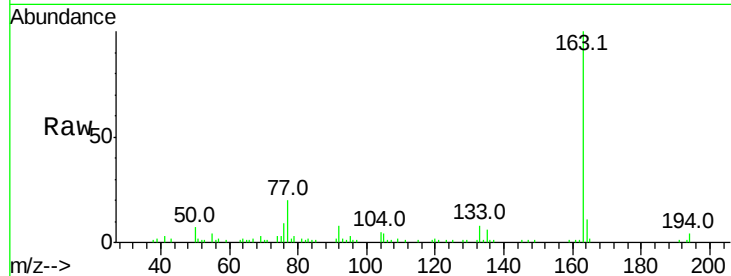
#49
Dimethylphthalate
Concen: 10.293 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Instrument :
BNA_F
ClientSampleId :
PAR-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.9	8.2	12.2	

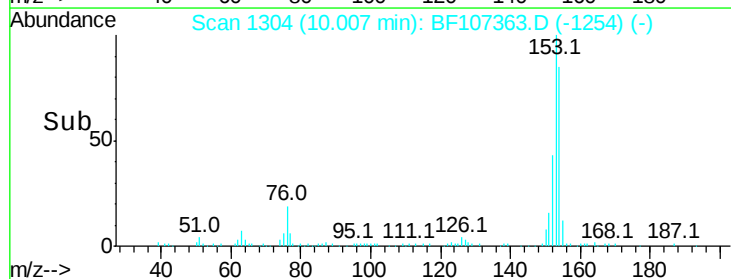
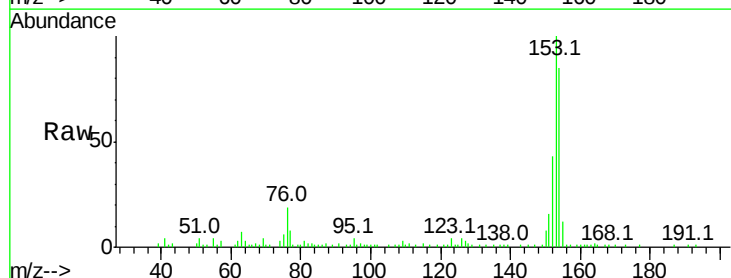
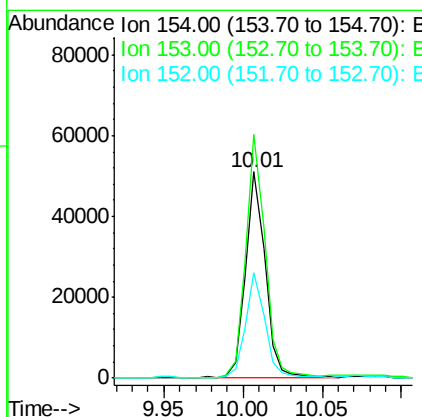
Manual Integrations
APPROVED

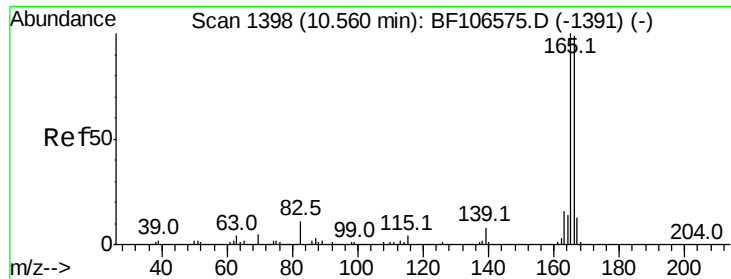
Sohil
7/16/2018 3:22:10 PM



#51
Acenaphthene
Concen: 9.833 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	118.0	91.2	136.8	
152	51.2	43.8	65.8	





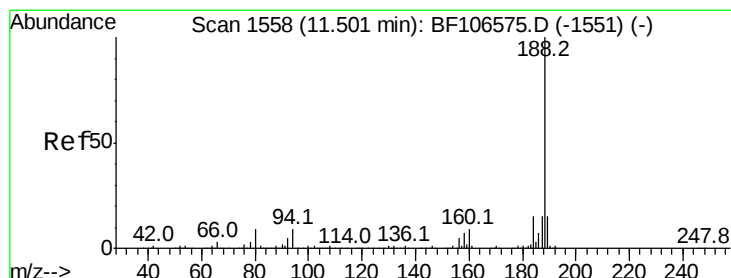
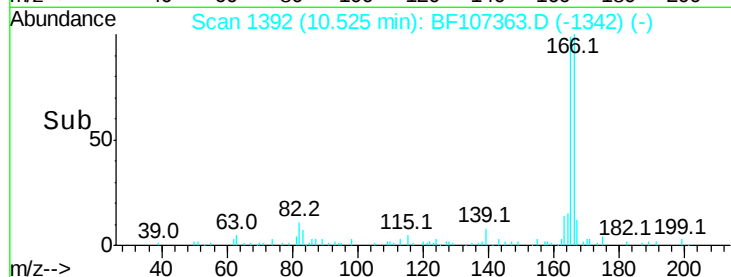
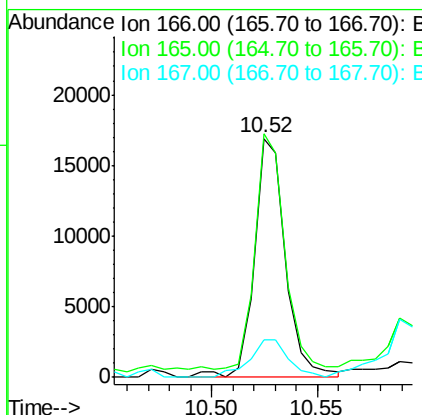
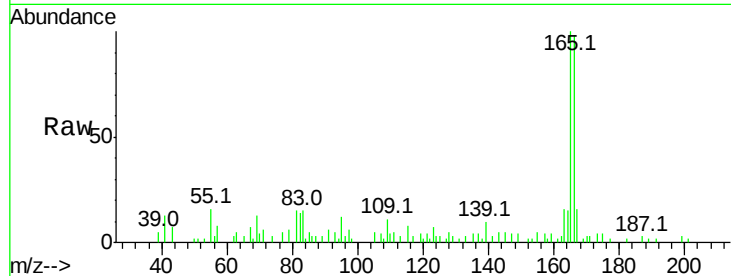
#57
Fluorene
 Concen: 3.562 ng
 RT: 10.52 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF107363.D
 Acq: 13 Jul 2018 13:30

Instrument :
 BNA_F
 ClientSampleId :
 PAR-4

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.8	79.8	119.8
167	15.8	10.6	16.0

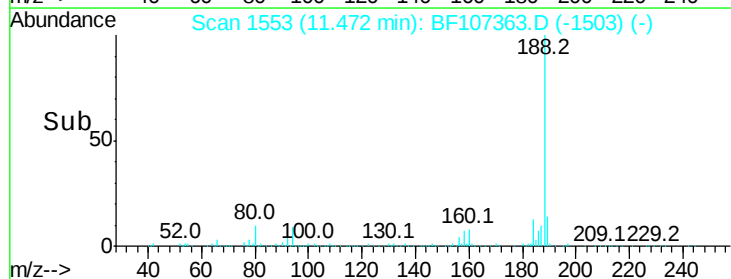
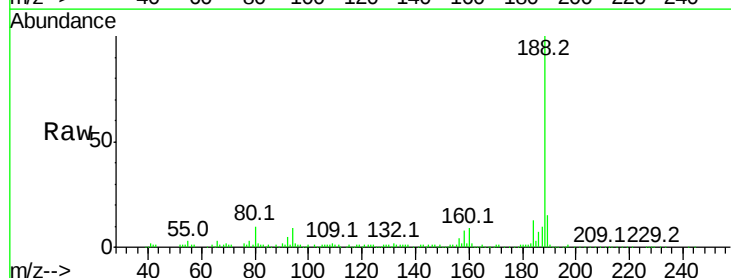
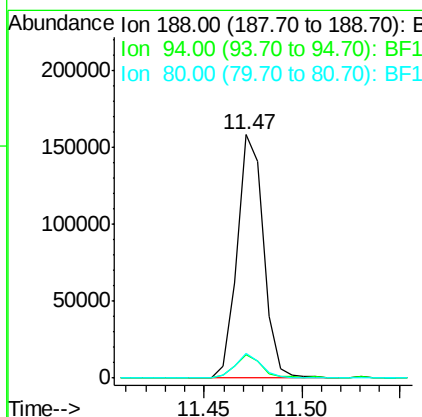
Manual Integrations
 APPROVED

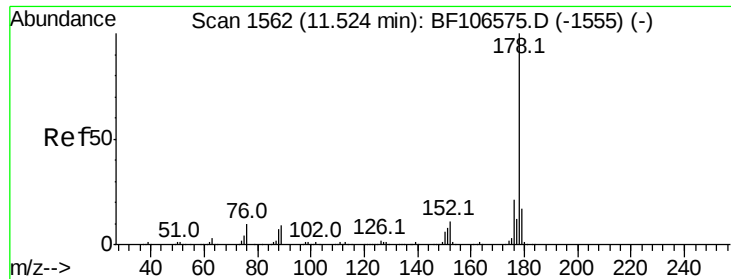
Sohil
 7/16/2018 3:22:10 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF107363.D
 Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.4	9.2	13.8





#70

Phenanthrene

Concen: 6.232 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107363.D

Acq: 13 Jul 2018 13:30

Instrument :

BNA_F

ClientSampled :

PAR-4

Tot Ion:178 Resp: 44679

Ion Ratio Lower Upper

178 100

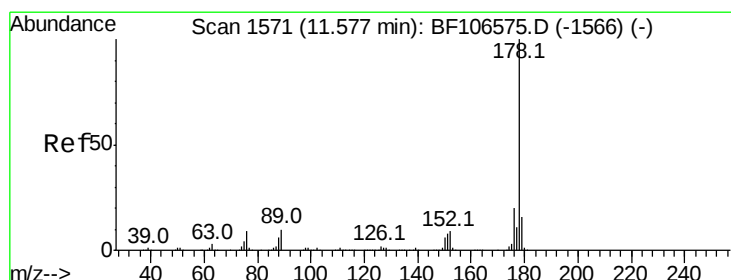
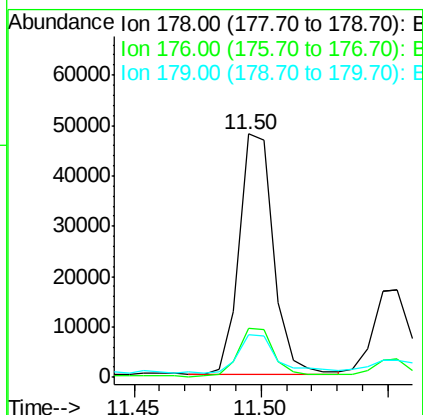
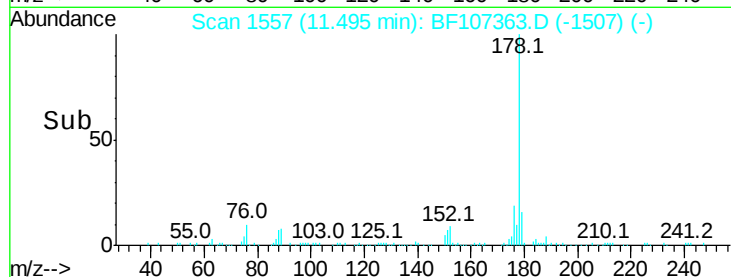
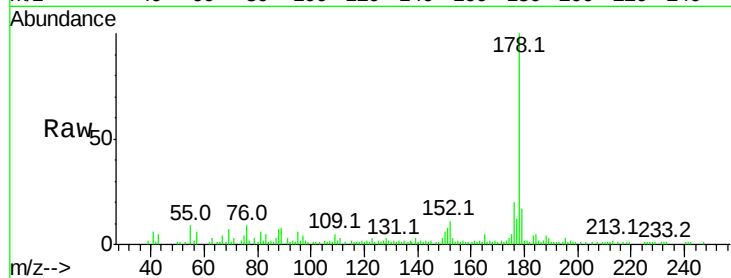
176 19.9 15.8 23.8

179 17.5 13.0 19.6

Manual Integrations
APPROVED

Sohil

7/16/2018 3:22:10 PM



#71

Anthracene

Concen: 2.477 ng m

RT: 11.55 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BF107363.D

Acq: 13 Jul 2018 13:30

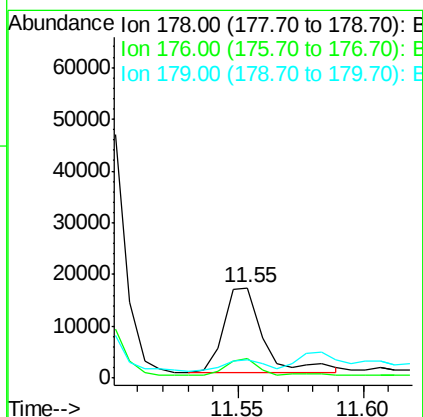
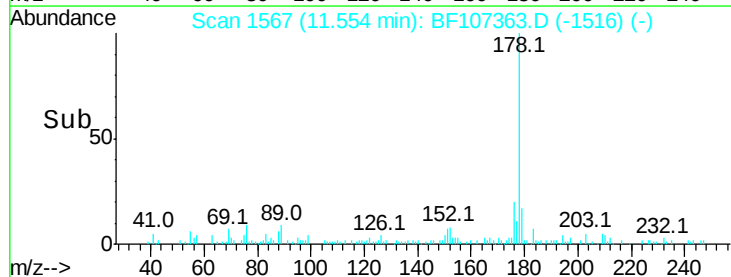
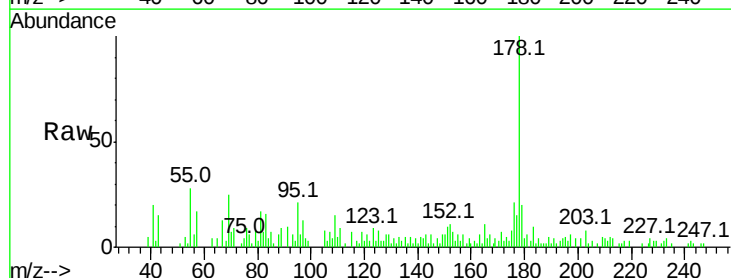
Tgt Ion:178 Resp: 18124

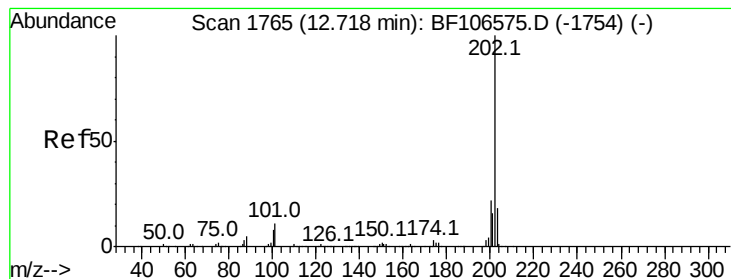
Ion Ratio Lower Upper

178 100

176 21.3 15.4 23.2

179 20.0 12.6 19.0#





#74

Fluoranthene

Concen: 11.049 ng

RT: 12.69 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF107363.D

Acq: 13 Jul 2018 13:30

Instrument :

BNA_F

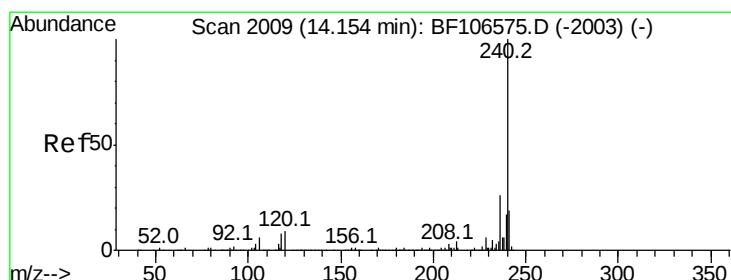
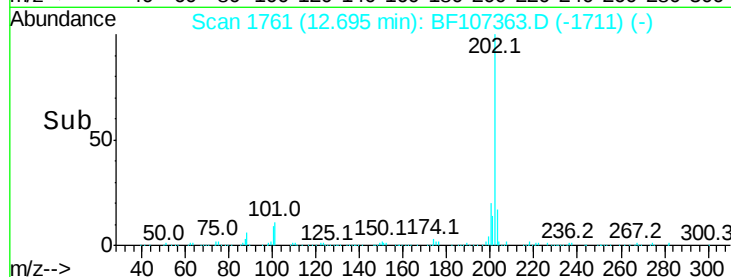
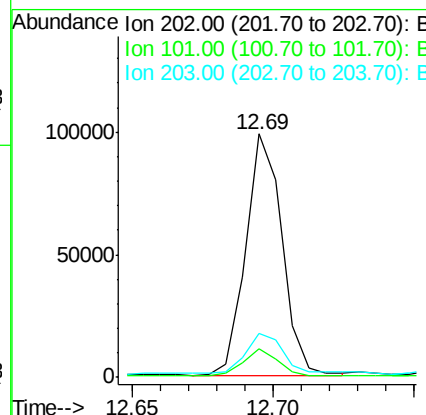
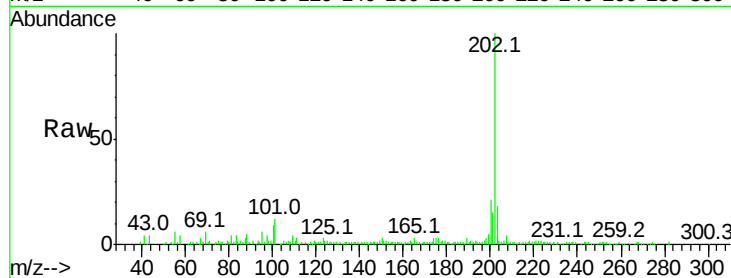
ClientSampled :

PAR-4

Tot Ion:	202	Resp:	87309
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:10 PM



#75

Chrysene-d12

Concen: 20.000 ng

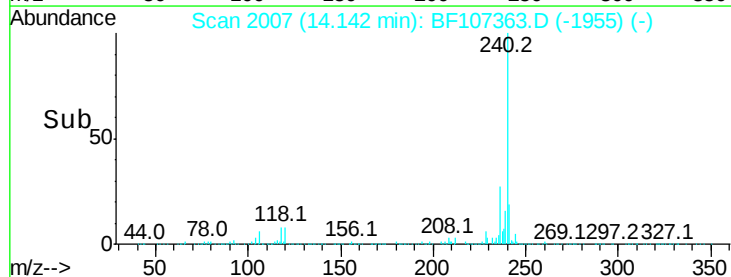
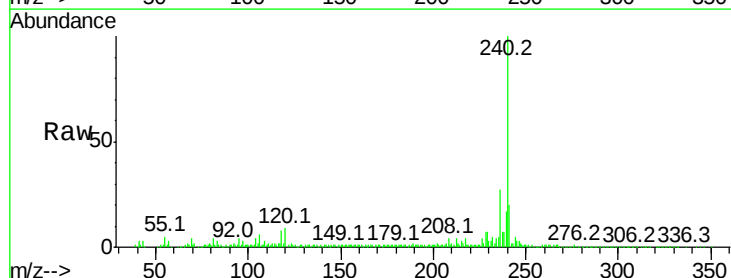
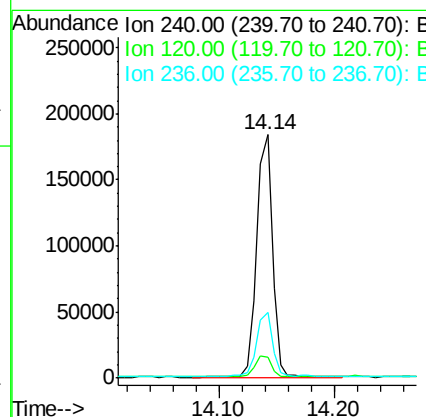
RT: 14.14 min Scan# 2007

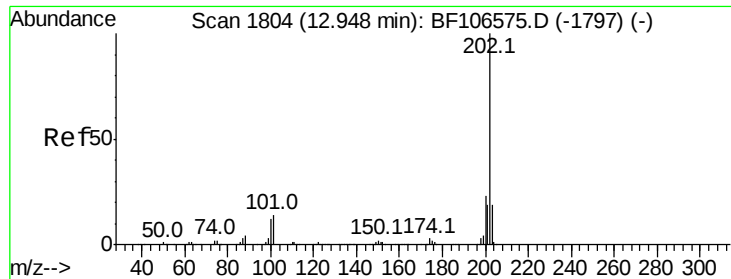
Delta R.T. 0.01 min

Lab File: BF107363.D

Acq: 13 Jul 2018 13:30

Tgt Ion:	240	Resp:	175451
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	27.1	20.7	31.1





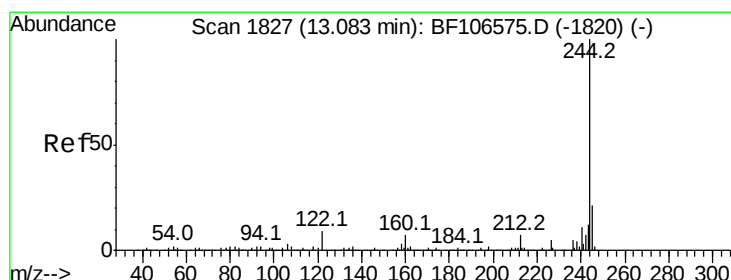
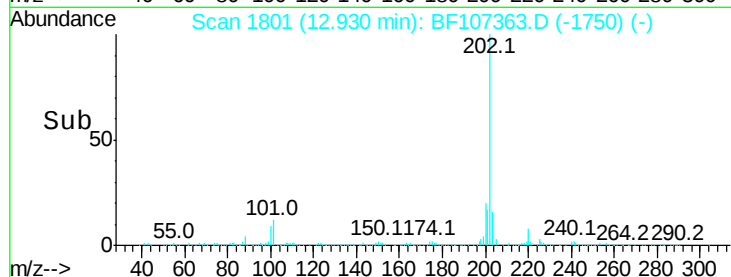
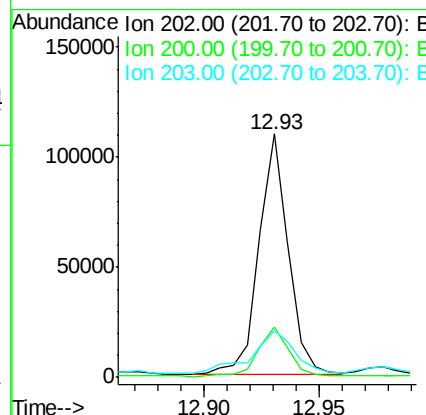
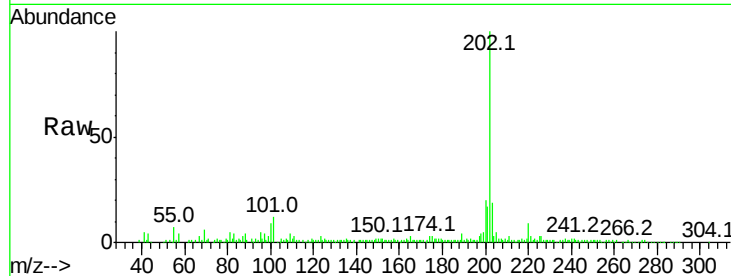
#77
Pvrene
Concen: 8.430 ng
RT: 12.93 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Instrument :
BNA_F
ClientSampled :
PAR-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	19.1	14.3	21.5

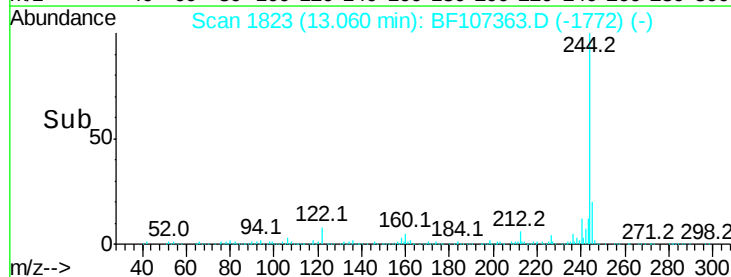
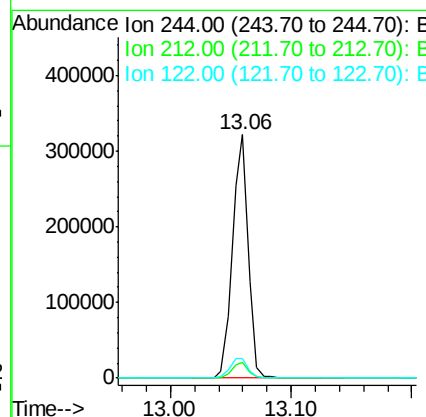
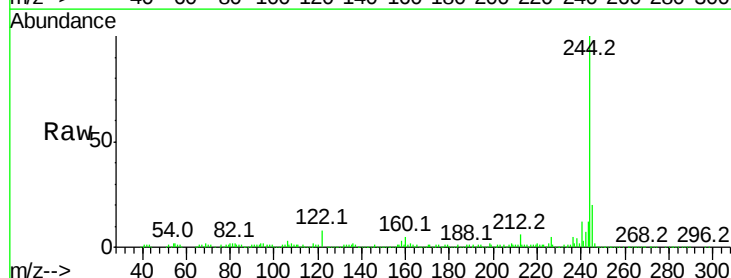
Manual Integrations
APPROVED

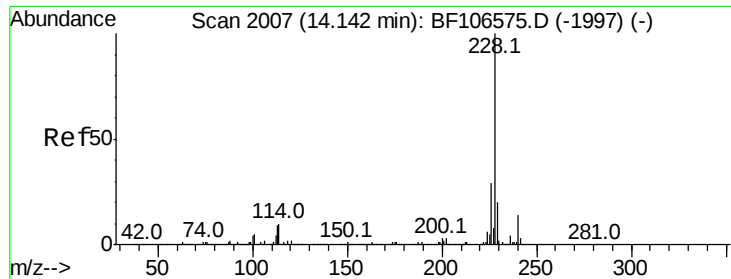
Sohil
7/16/2018 3:22:10 PM



#78
Terphenyl-d14
Concen: 39.931 ng
RT: 13.06 min Scan# 1823
Delta R.T. 0.00 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.1	11.0	16.4





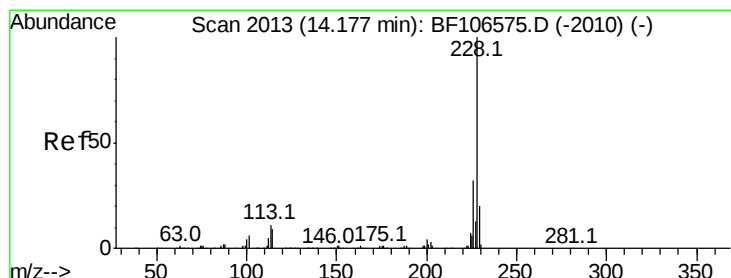
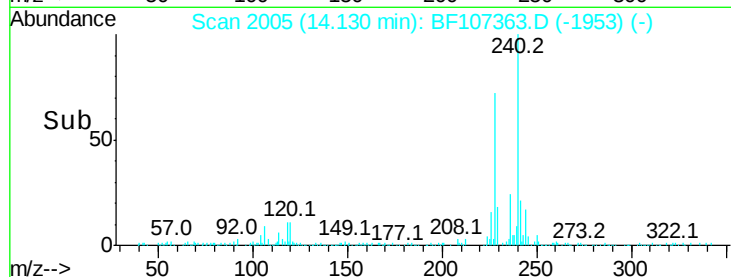
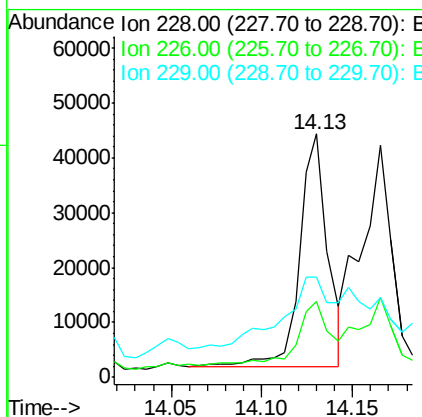
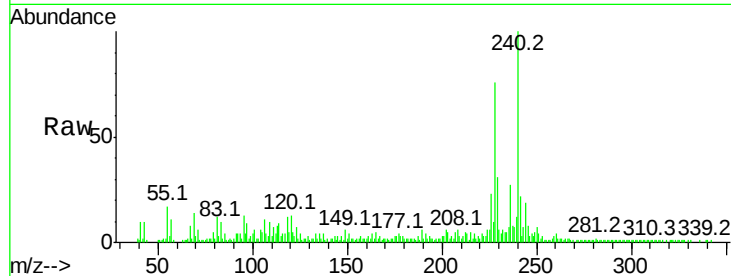
#80
Benzo(a)anthracene
Concen: 4.340 ng
RT: 14.13 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Instrument :
BNA_F
ClientSampled :
PAR-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	40.9	15.8	23.6

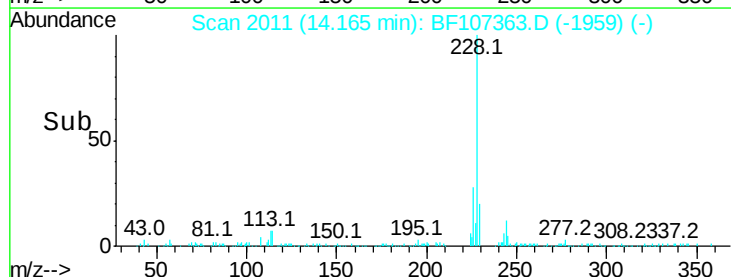
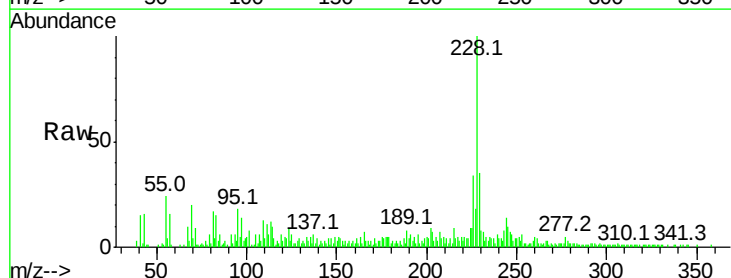
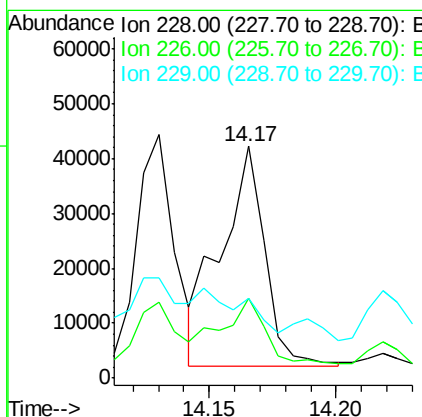
Manual Integrations
APPROVED

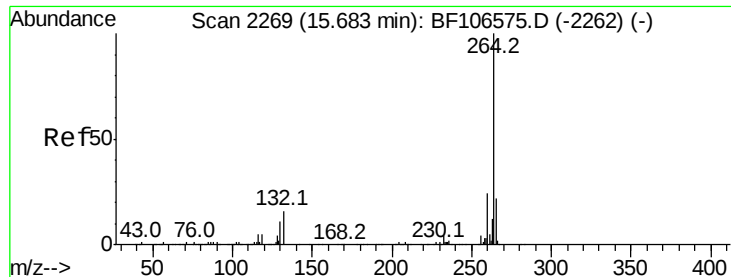
Sohil
7/16/2018 3:22:10 PM



#82
Chrysene
Concen: 4.953 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	25.0	37.6
229	34.6	16.2	24.4





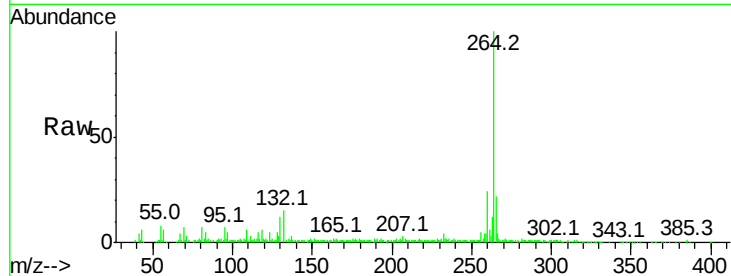
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.03 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Instrument :
BNA_F
ClientSampled :
PAR-4

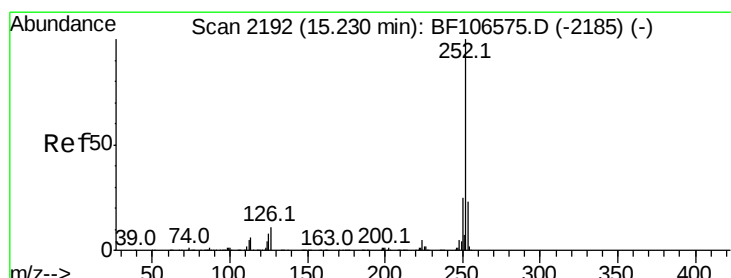
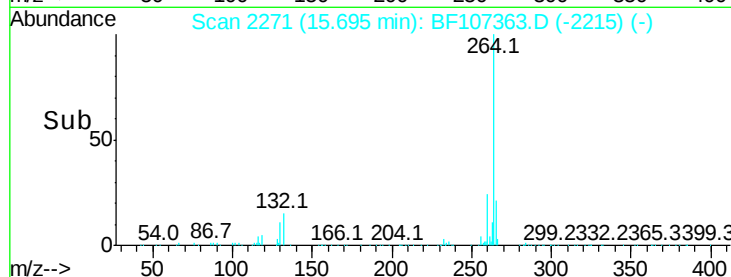
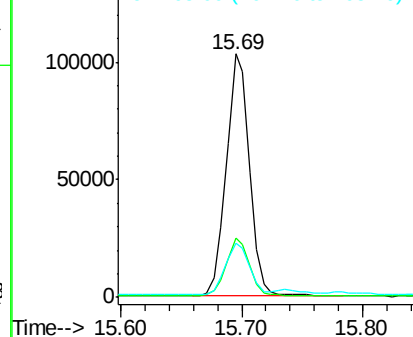
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	17.5	26.3

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:10 PM



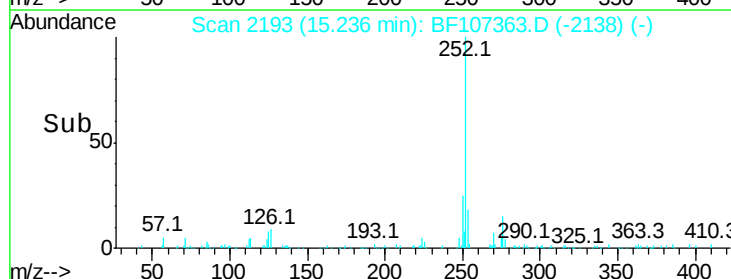
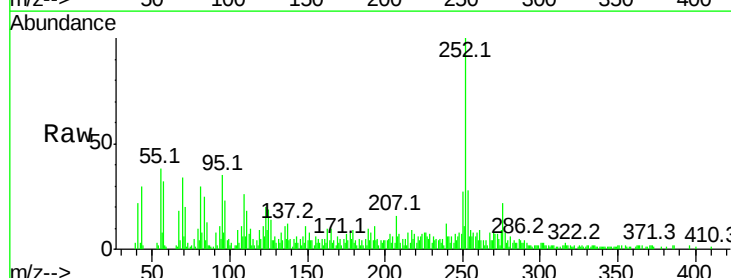
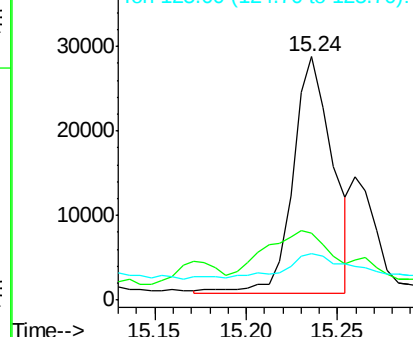
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

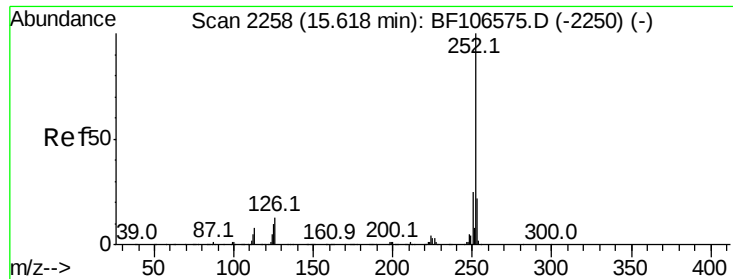


#87
Benzo(b)fluoranthene
Concen: 5.027 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.02 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	18.9	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





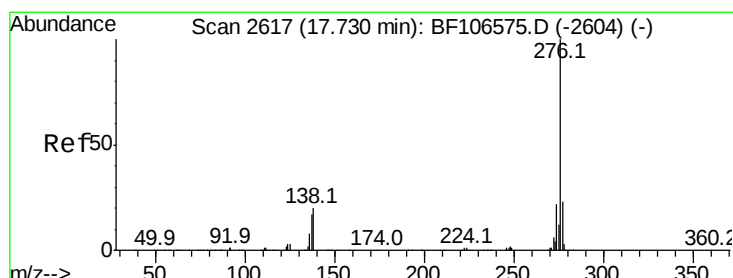
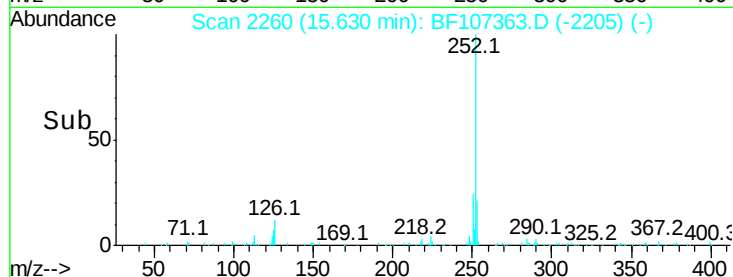
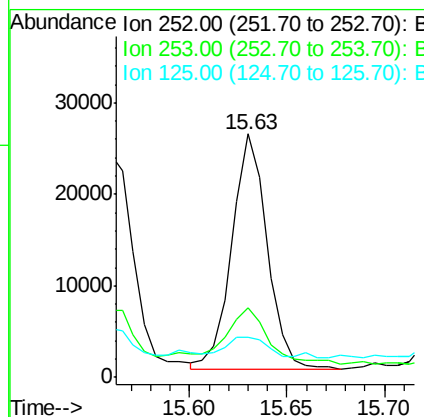
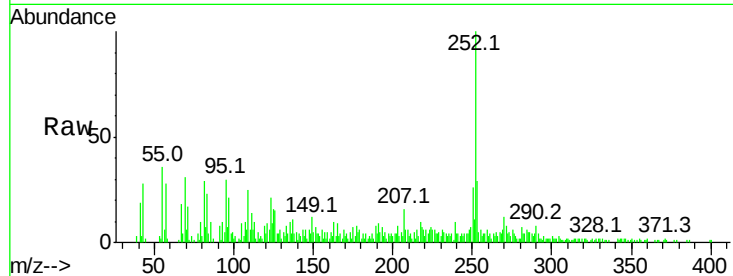
#89
Benzo(a)pyrene
Concen: 4.294 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Instrument :
BNA_F
ClientSampled :
PAR-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.1	25.7#
125	16.4	9.8	14.6#

Manual Integrations
APPROVED

Sohil
7/16/2018 3:22:10 PM



#91
Benzo(g,h,i)perylene
Concen: 2.402 ng
RT: 17.78 min Scan# 2626
Delta R.T. 0.04 min
Lab File: BF107363.D
Acq: 13 Jul 2018 13:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.9	17.9	26.9#
138	27.1	21.8	32.8

