

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107009.D
 Acq On : 30 Jun 2018 12:49
 Operator : JU/SJ
 Sample : J3248-07 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-A

Manual Integrations
 APPROVED

Sohil
 7/2/2018 12:29:53 PM

Quant Time: Jul 02 04:55:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	66640	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	238991	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	99757	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	176718	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	227958	20.00	ng	-0.02
86) Perylene-d12	15.68	264	184543	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	100100	25.44	ng	-0.01
7) Phenol-d6	6.60	99	120432	24.50	ng	-0.02
23) Nitrobenzene-d5	7.51	82	68481	15.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.78	330	25235	21.83	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	126230	8.07	ng	-0.02
78) Terphenyl-d14	13.07	244	146612	15.58	ng	-0.01
Target Compounds						
57) Fluorene	10.54	166	18608	2.753	ng	Qvalue # 95
70) Phenanthrene	11.51	178	130936	15.362	ng	98
71) Anthracene	11.56	178	36201	4.161	ng	99
72) Carbazole	11.72	167	17434	2.140	ng	99
74) Fluoranthene	12.71	202	174291	18.552	ng	94
77) Pyrene	12.94	202	169705	11.289	ng	98
80) Benzo(a)anthracene	14.13	228	97426	7.012	ng	97
82) Chrysene	14.17	228	86353	6.756	ng	96
85) Indeno(1,2,3-cd)pyrene	17.26	276	29115	2.684	ng	# 86
87) Benzo(b)fluoranthene	15.23	252	94843m	8.273	ng	
88) Benzo(k)fluoranthene	15.25	252	27149m	2.487	ng	
89) Benzo(a)pyrene	15.62	252	66511	6.526	ng	95
91) Benzo(a,h,i)perylene	17.74	276	29536m	3.499	ng	

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

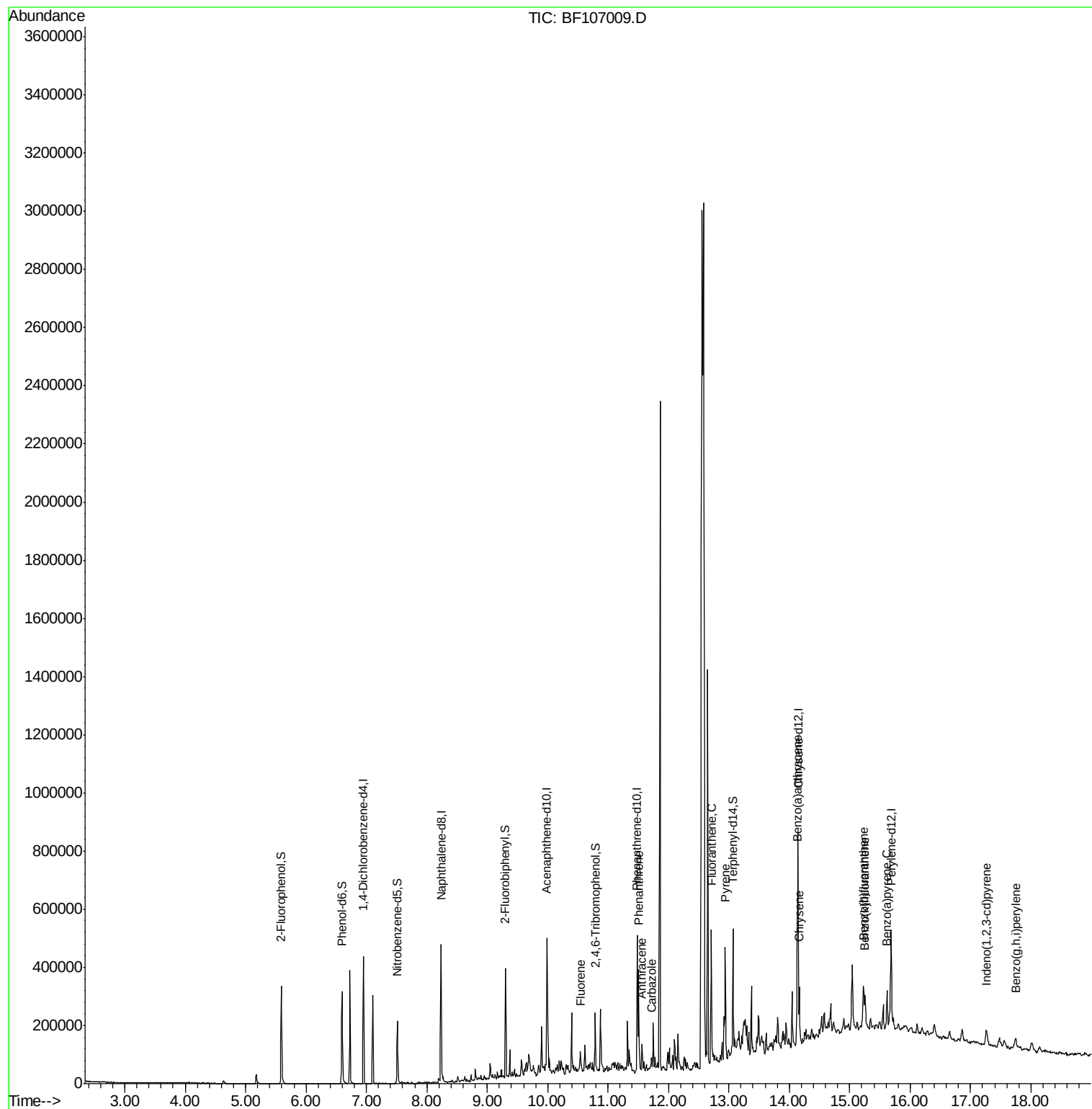
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107009.D
Acq On : 30 Jun 2018 12:49
Operator : JU/SJ
Sample : J3248-07 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

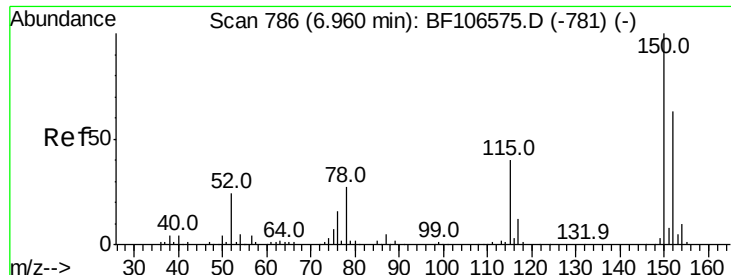
Instrument :
BNA_F
ClientSampleId :
EO-03-062818-A

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 PM

Quant Time: Jul 02 04:55:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration





#1

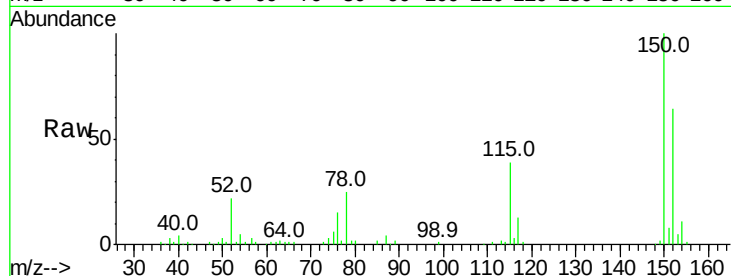
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-A

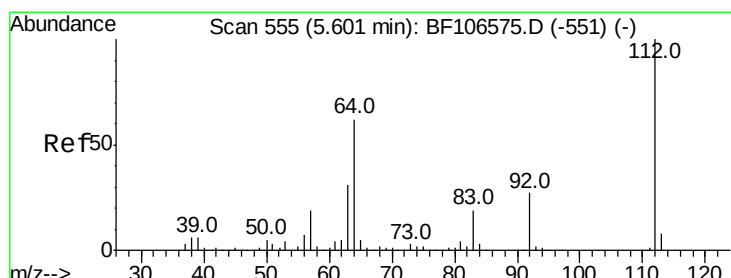
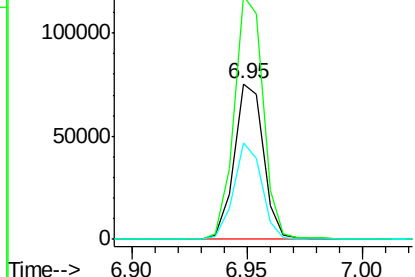
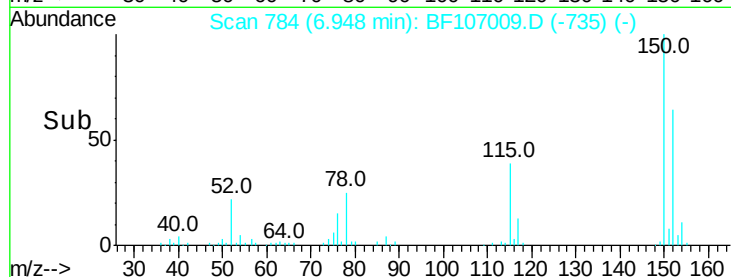
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	61.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 PM



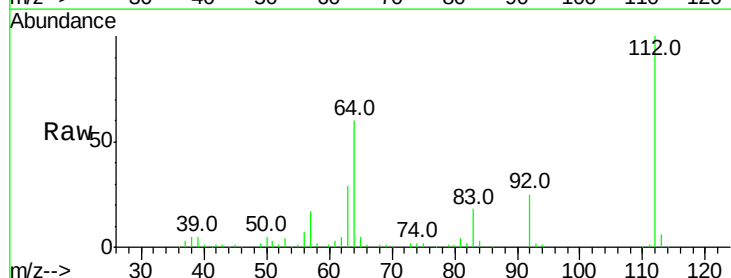
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



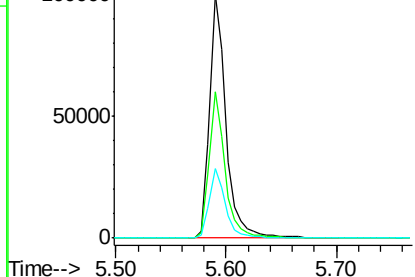
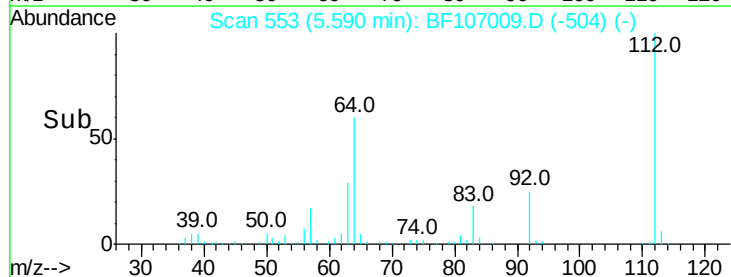
#5

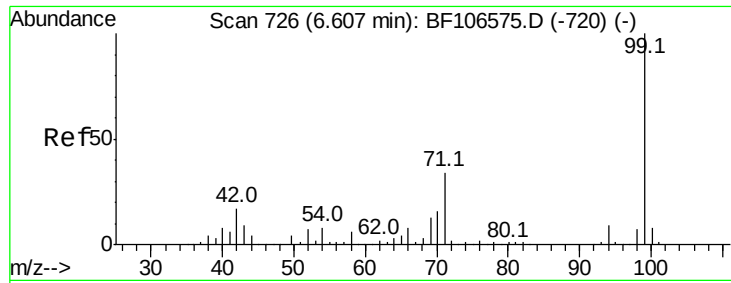
2-Fluorophenol
Concen: 25.435 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	28.6	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: 24.505 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Instrument :

BNA_F

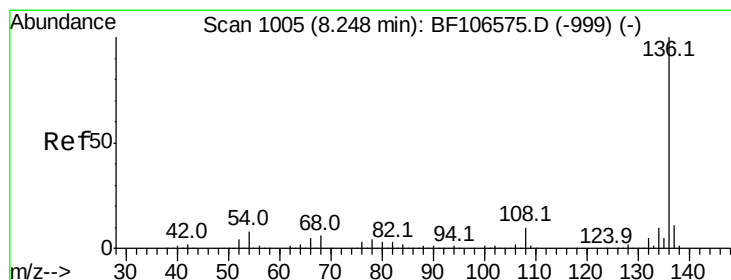
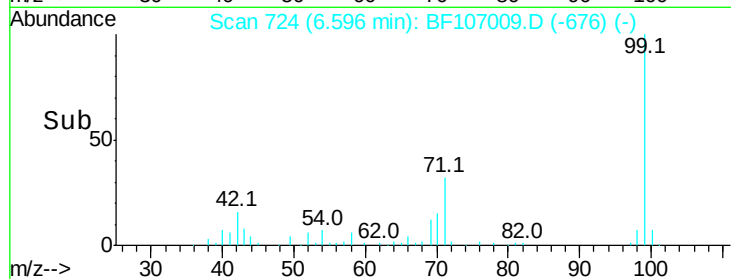
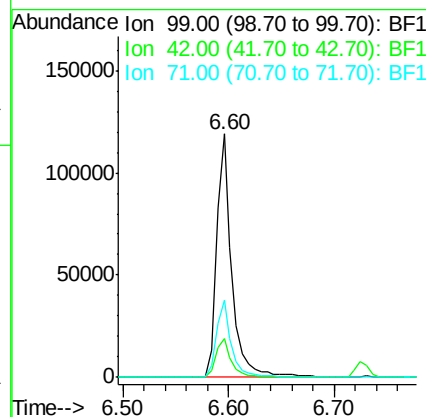
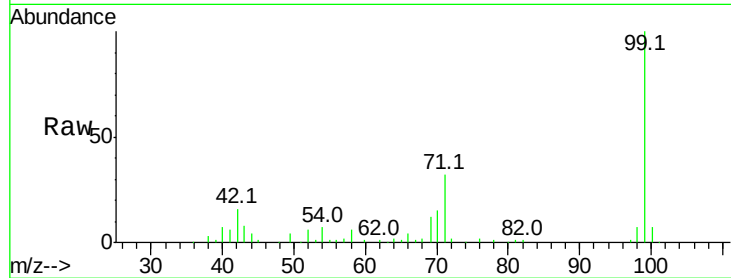
ClientSampleId :

EO-03-062818-A

Tot Ion:	99	Resp:	120432
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	31.8	25.4	38.0

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 PM



#21

Naphthalene-d8

Concen: 20.000 ng

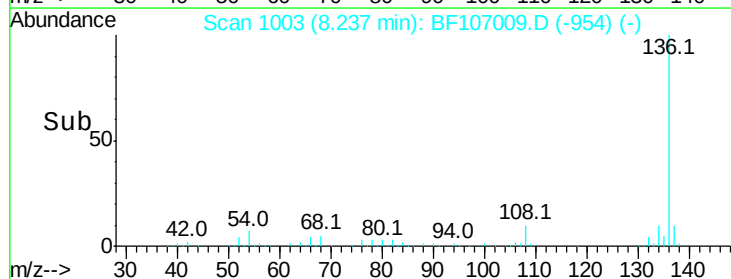
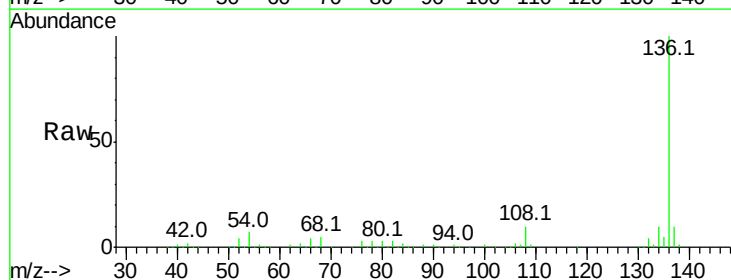
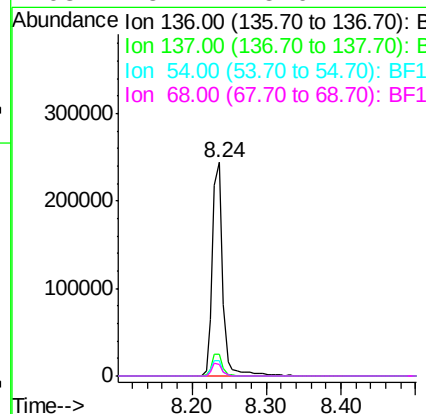
RT: 8.24 min Scan# 1003

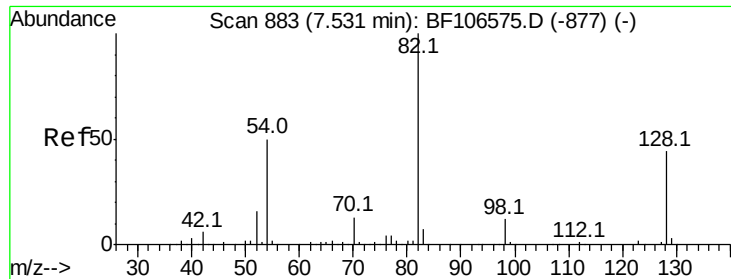
Delta R.T. -0.01 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Tgt Ion:	136	Resp:	238991
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	7.3	6.6	9.8
68	5.4	5.0	7.4





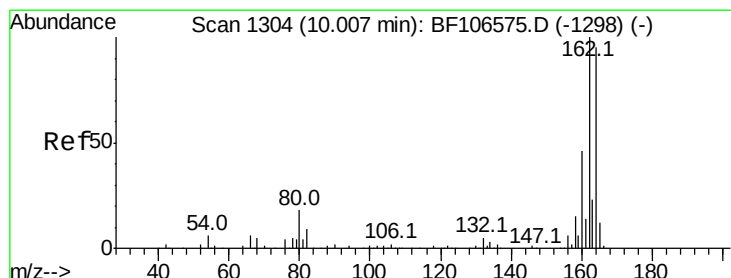
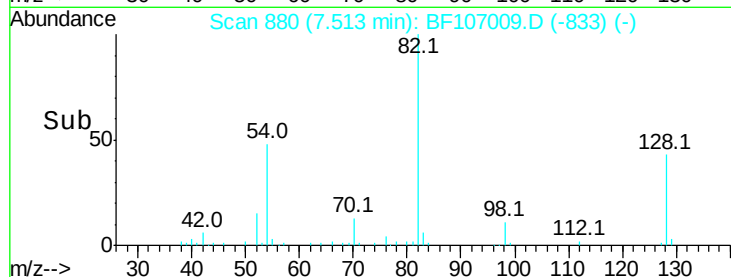
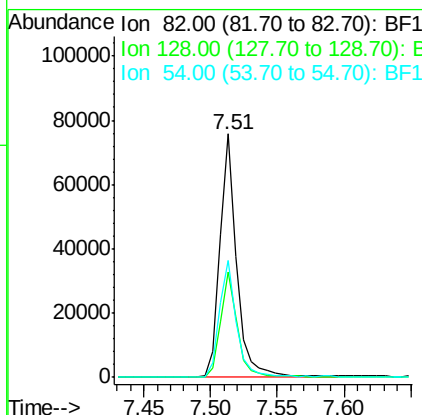
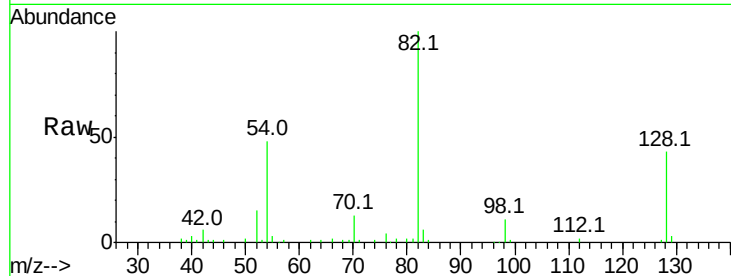
#23
 Nitrobenzene-d5
 Concen: 15.924 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107009.D
 Acq: 30 Jun 2018 12:49

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	47.8	41.4	62.2

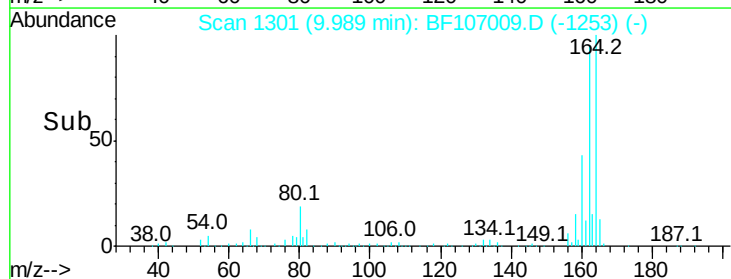
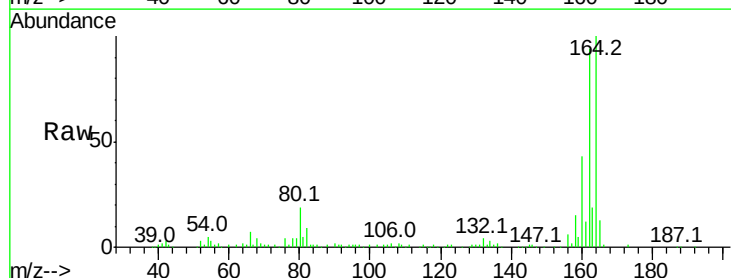
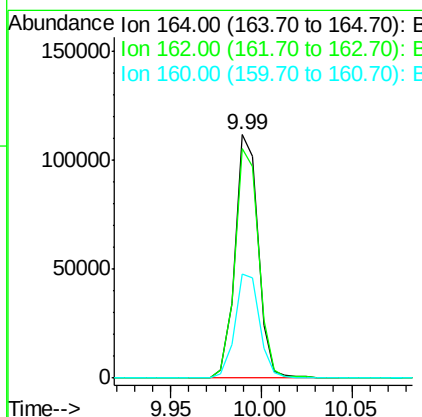
Manual Integrations
 APPROVED

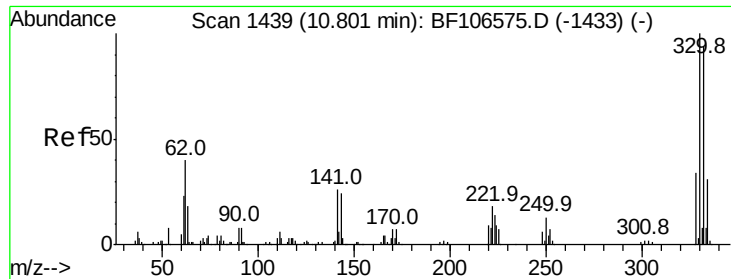
Sohil
 7/2/2018 12:29:53 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107009.D
 Acq: 30 Jun 2018 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.4	86.1	129.1
160	42.9	38.3	57.5





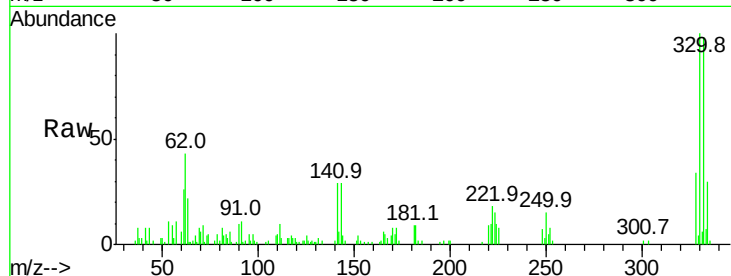
#41
 2,4,6-Tribromophenol
 Concen: 21.826 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107009.D
 Acq: 30 Jun 2018 12:49

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-A

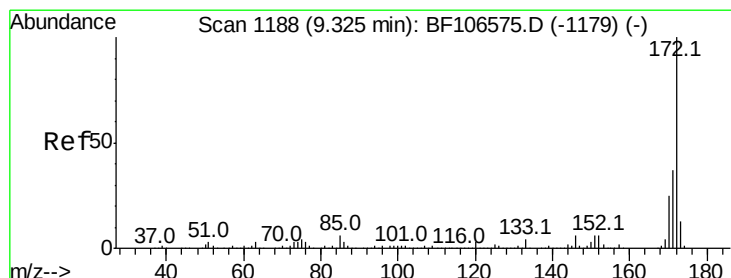
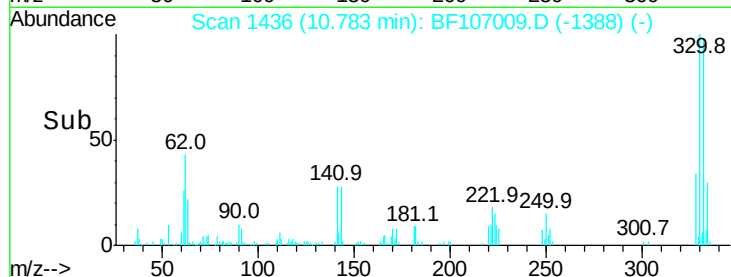
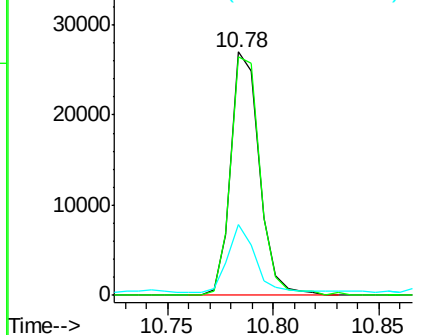
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.7	77.0	115.6	
141	26.6	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 7/2/2018 12:29:53 PM



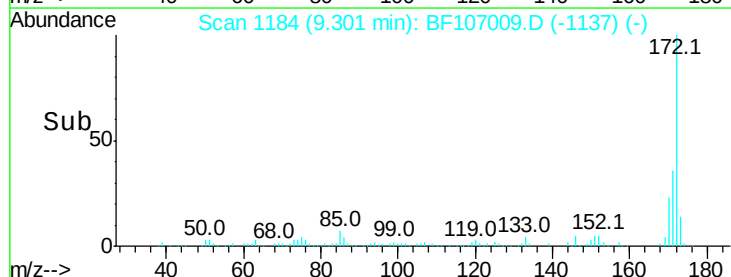
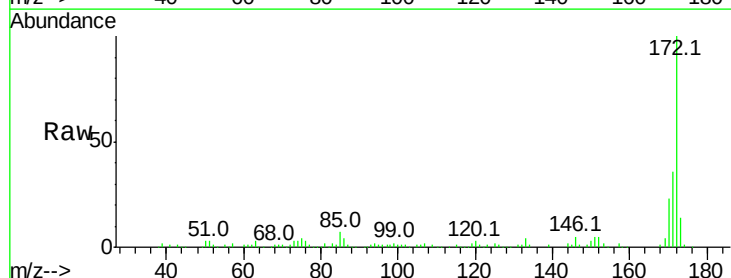
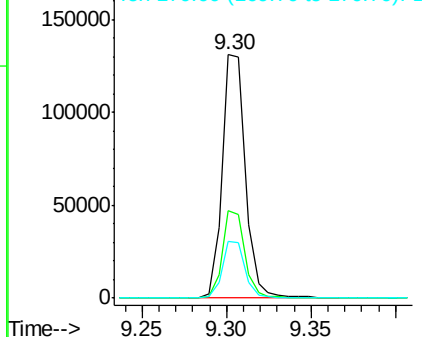
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

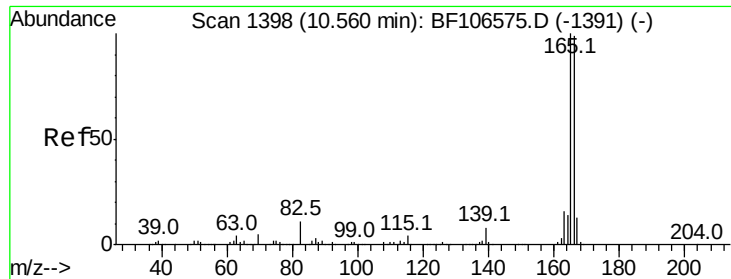


#44
 2-Fluorobiphenyl
 Concen: 8.067 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107009.D
 Acq: 30 Jun 2018 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	23.4	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





#57

Fluorene

Concen: 2.753 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Instrument :

BNA_F

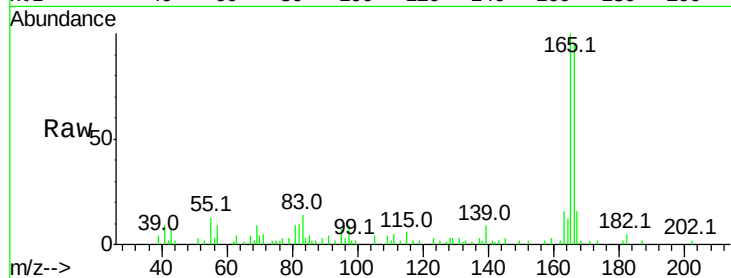
ClientSampleId :

EO-03-062818-A

Tot Ion	Ratio	Resp	Lower	Upper
166	100	18608		
165	104.7	79.8	119.8	
167	16.3	10.6	16.0#	

Manual Integrations
APPROVED

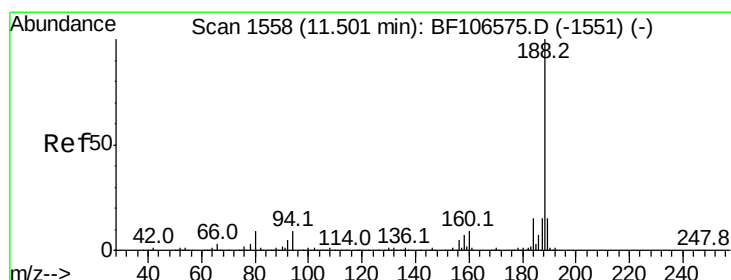
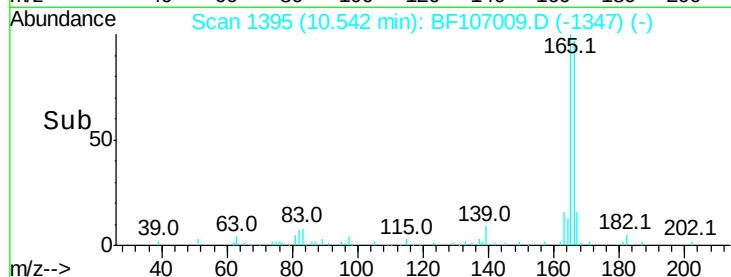
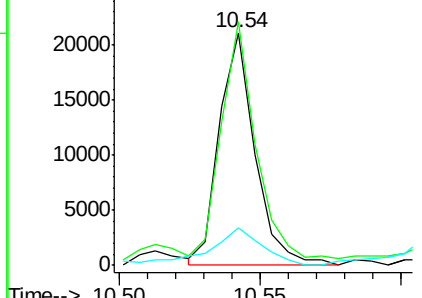
Sohil
7/2/2018 12:29:53 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

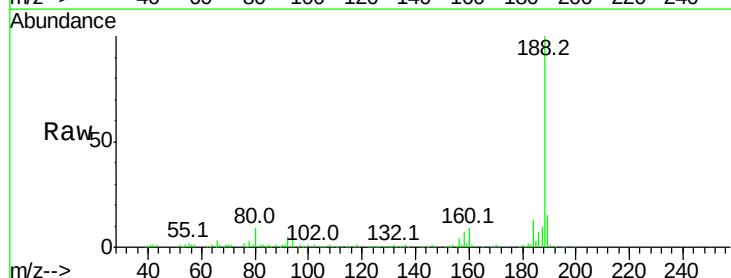
RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

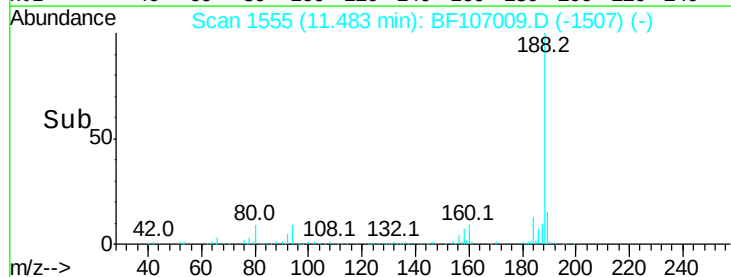
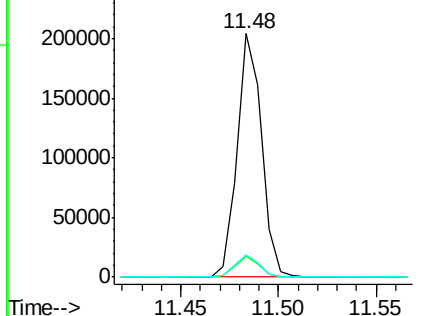
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	176718		
94	8.6	8.5	12.7	
80	8.9	9.2	13.8#	

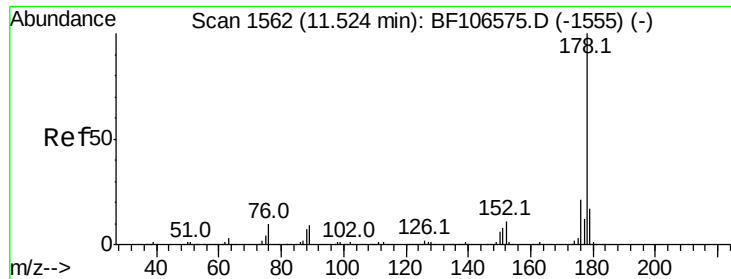


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





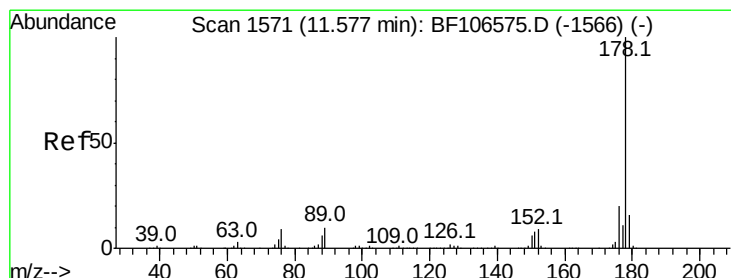
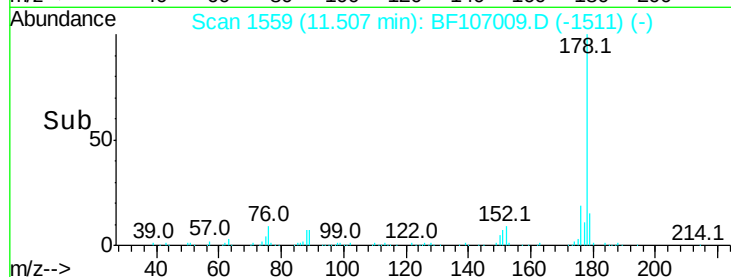
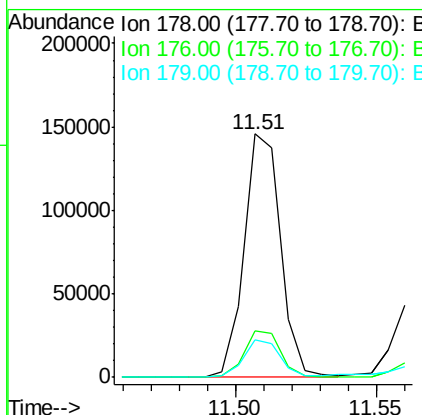
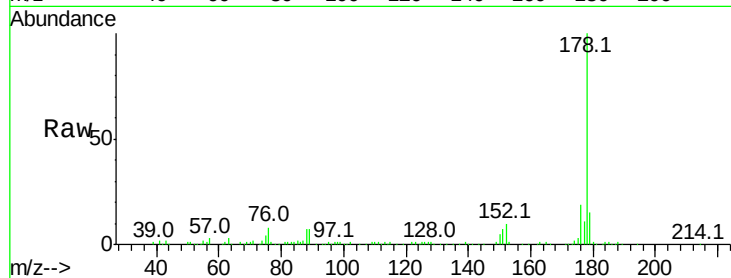
#70
Phenanthrene
Concen: 15.362 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.4	13.0	19.6

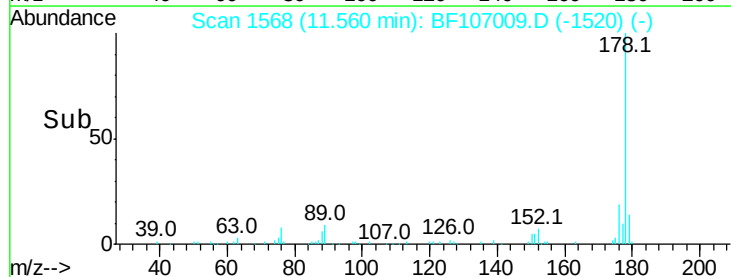
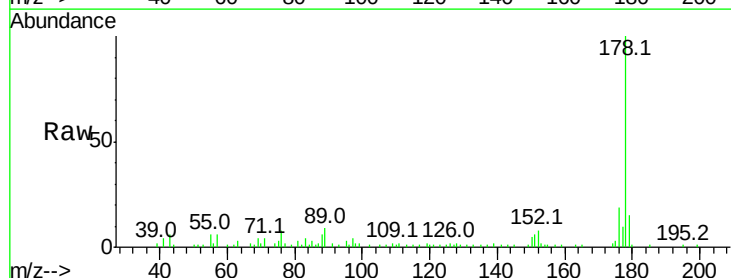
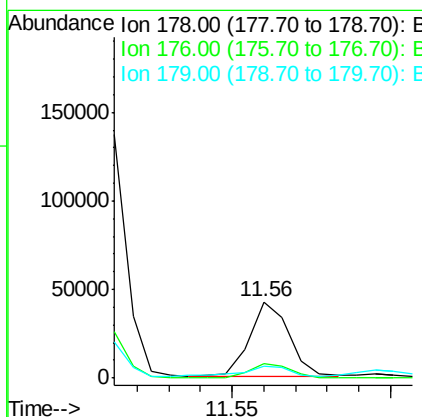
Manual Integrations
APPROVED

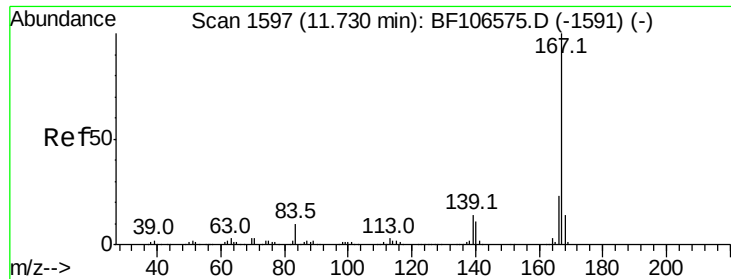
Sohil
7/2/2018 12:29:53 PM



#71
Anthracene
Concen: 4.161 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 2.140 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Instrument :

BNA_F

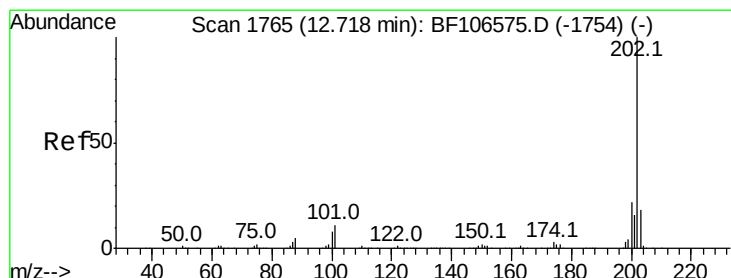
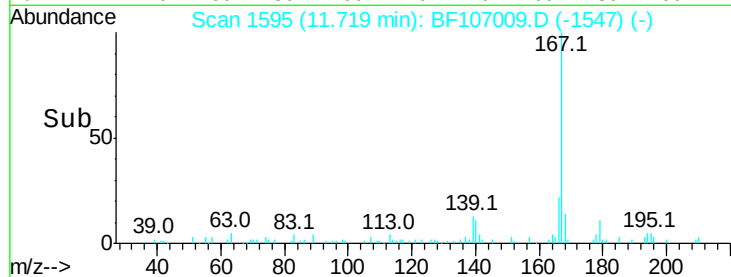
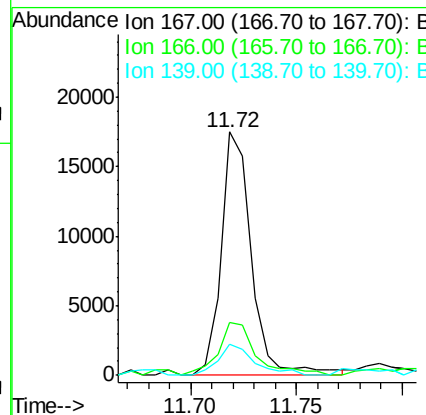
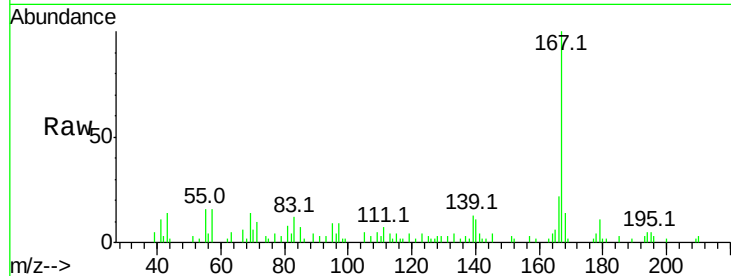
ClientSampleId :

EO-03-062818-A

Tot Ion:	167	Resp:	17434
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.9	10.9	16.3

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 PM



#74

Fluoranthene

Concen: 18.552 ng

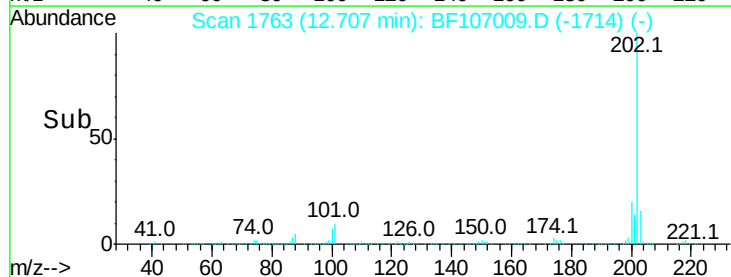
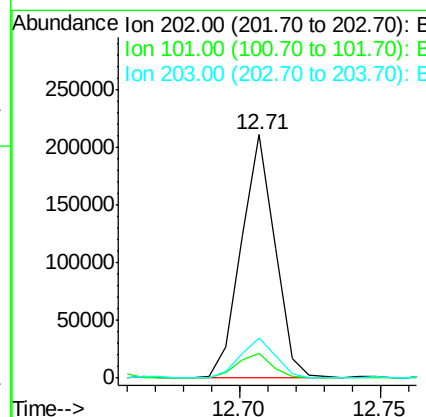
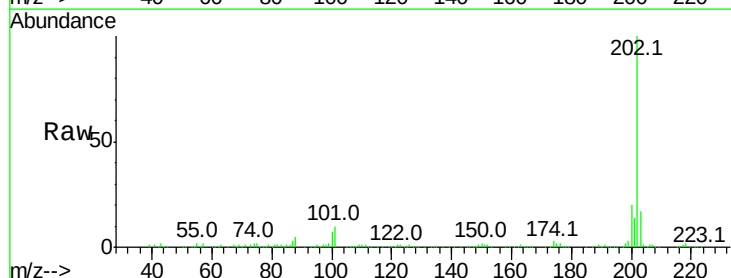
RT: 12.71 min Scan# 1763

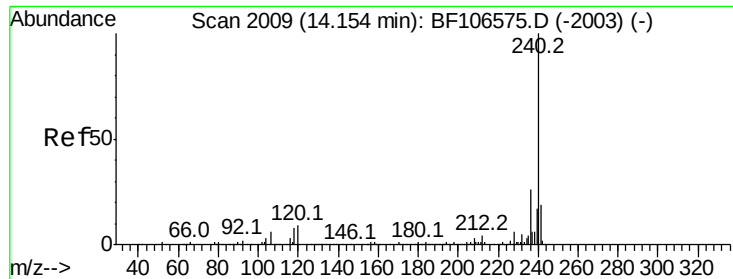
Delta R.T. -0.01 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Tgt Ion:	202	Resp:	174291
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Instrument :

BNA_F

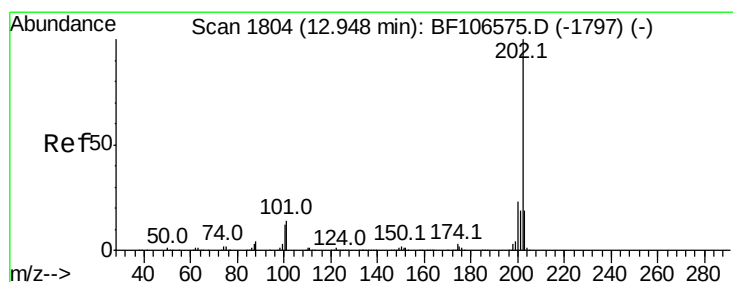
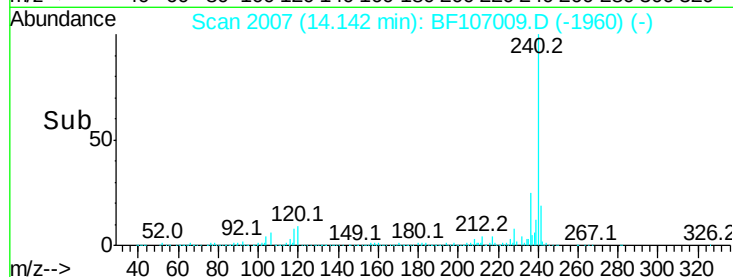
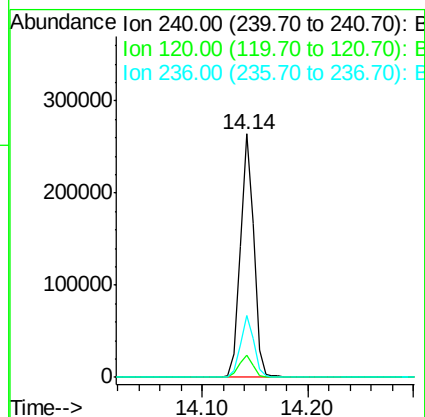
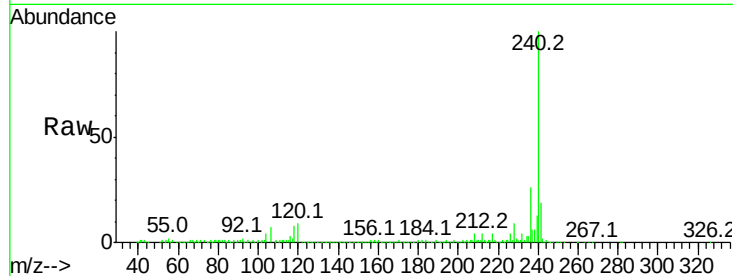
ClientSampleId :

EO-03-062818-A

Tot Ion:	240	Resp:	227958
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	25.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 PM



#77

Pyrene

Concen: 11.289 ng

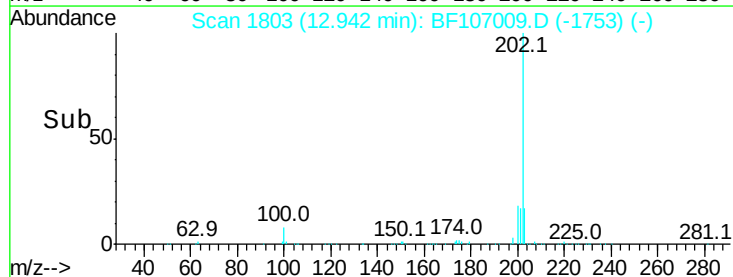
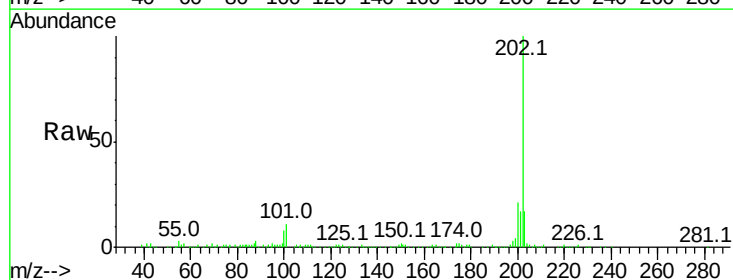
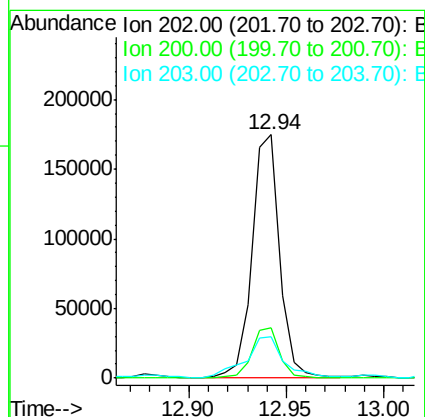
RT: 12.94 min Scan# 1803

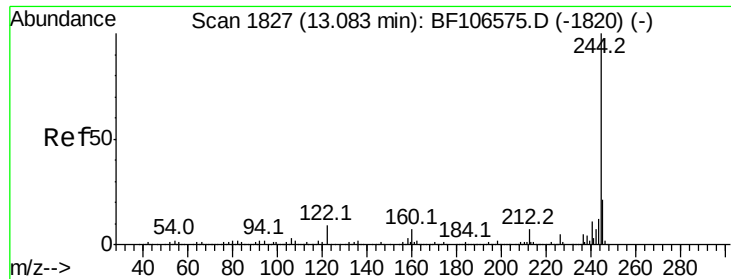
Delta R.T. -0.01 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Tgt Ion:	202	Resp:	169705
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.1	14.3	21.5





#78

Terphenyl-d14

Concen: 15.579 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Instrument :

BNA_F

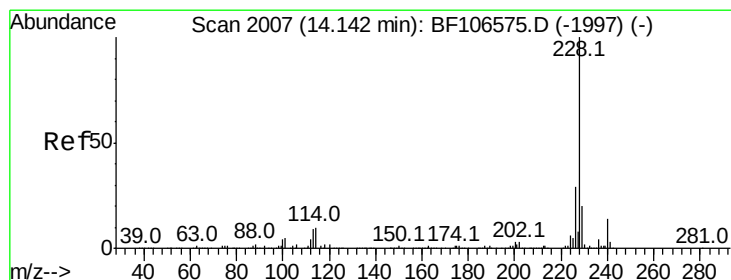
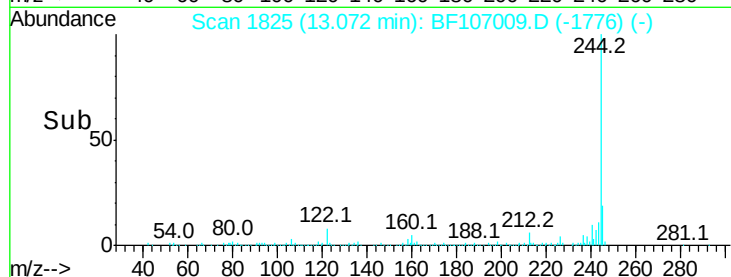
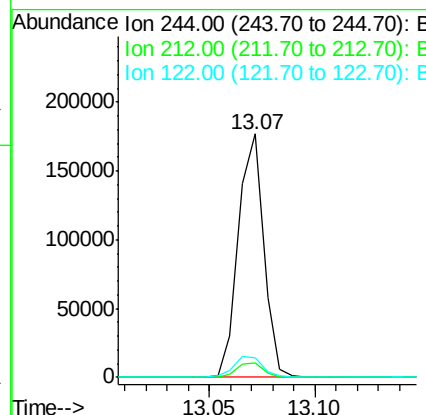
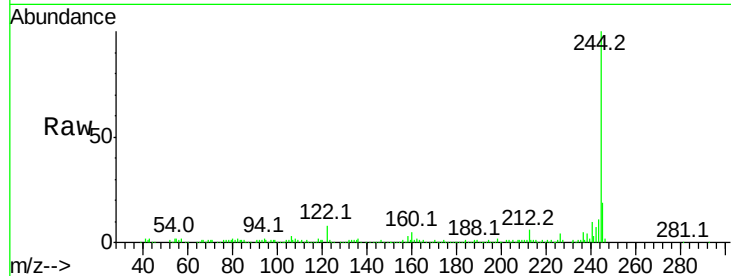
ClientSampleId :

EO-03-062818-A

Tot Ion:	244	Resp:	146612
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	8.1	11.0	16.4

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 PM



#80

Benzo(a)anthracene

Concen: 7.012 ng

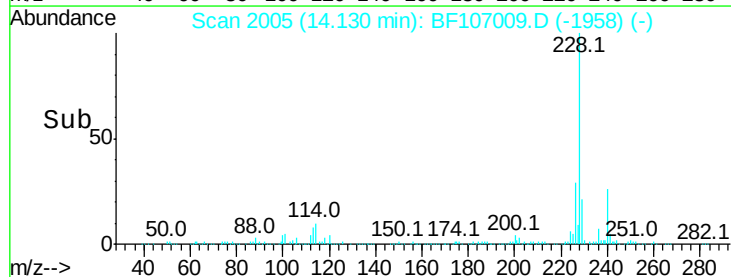
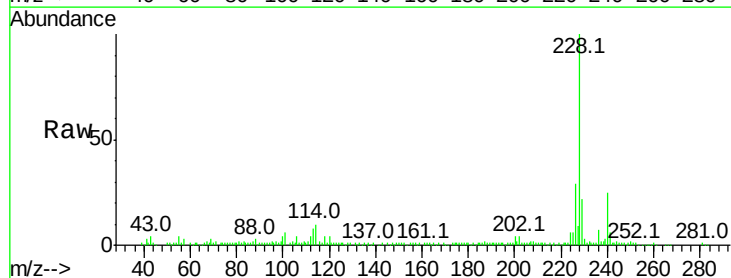
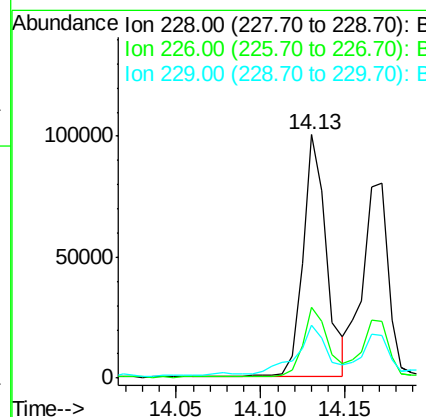
RT: 14.13 min Scan# 2005

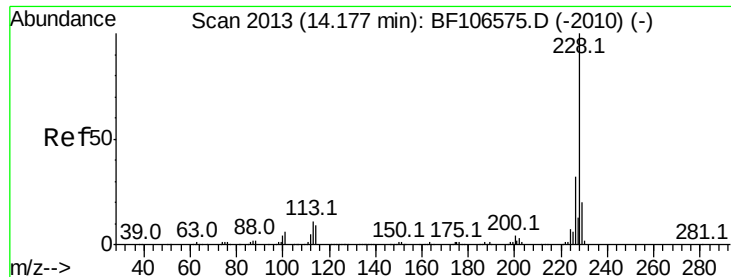
Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Tgt Ion:	228	Resp:	97426
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.6	33.8
229	21.5	15.8	23.6





#82

Chrysene

Concen: 6.756 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Instrument :

BNA_F

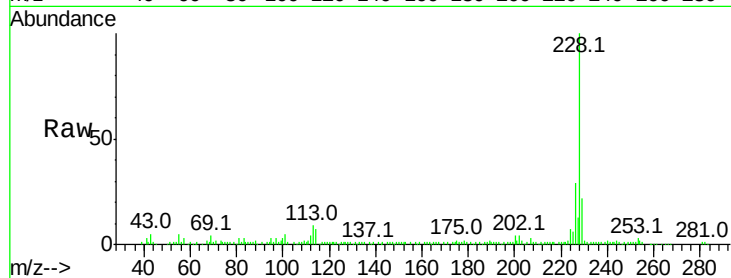
ClientSampleId :

EO-03-062818-A

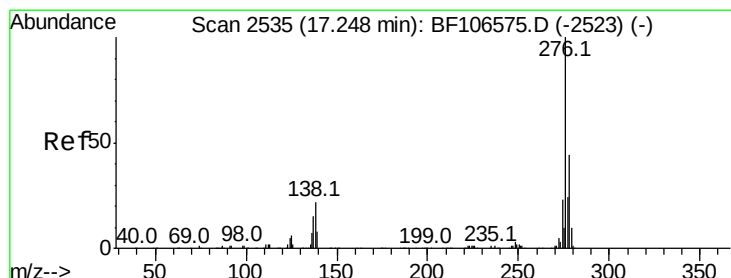
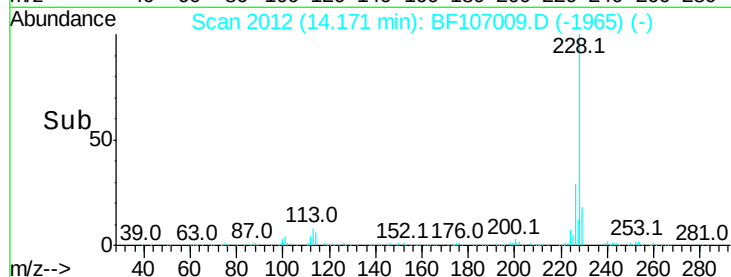
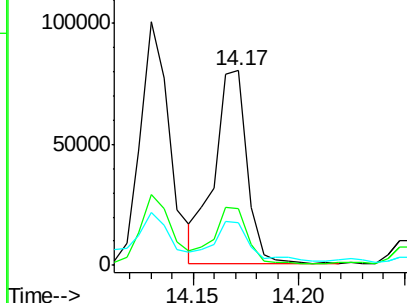
Tot Ion:	228	Resp:	86353
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.6
229	22.2	16.2	24.4

Manual Integrations
APPROVED

Sohil
7/2/2018 12:29:53 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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.684 ng

RT: 17.26 min Scan# 2537

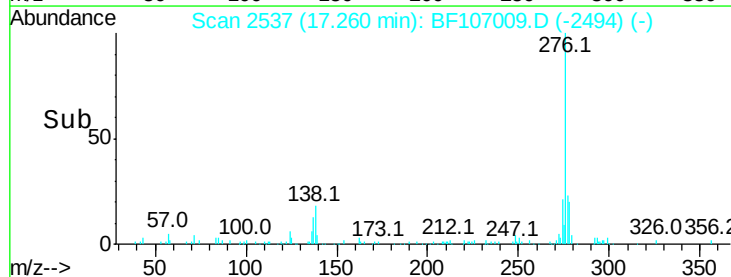
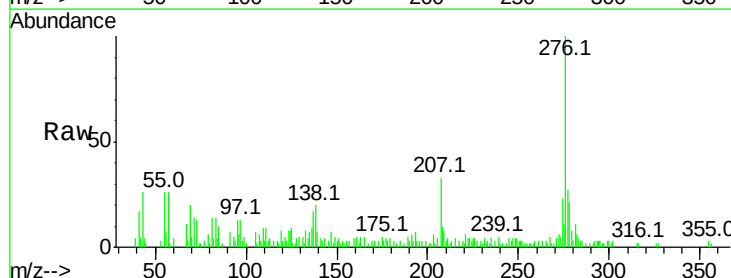
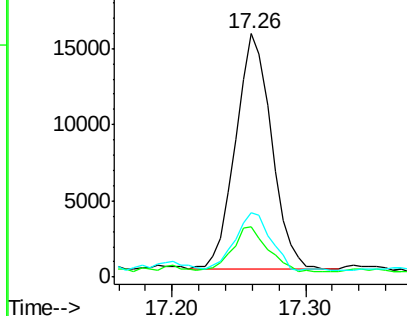
Delta R.T. -0.05 min

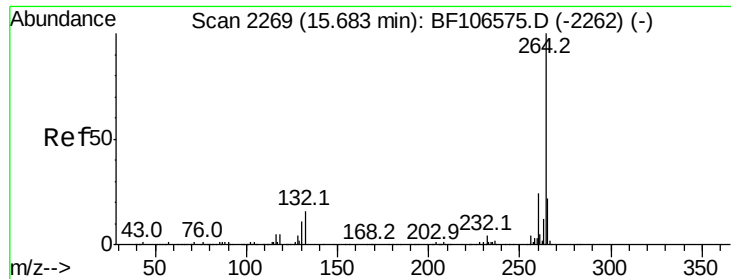
Lab File: BF107009.D

Acq: 30 Jun 2018 12:49

Tgt Ion:	276	Resp:	29115
Ion Ratio	Lower	Upper	
276	100		
138	18.3	25.0	37.6#
277	24.3	20.1	30.1

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





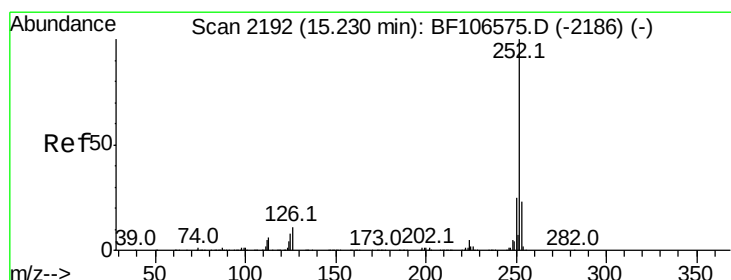
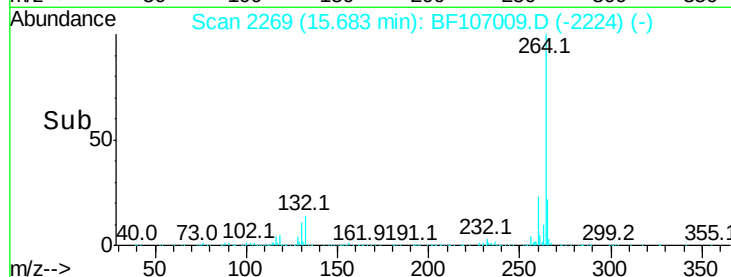
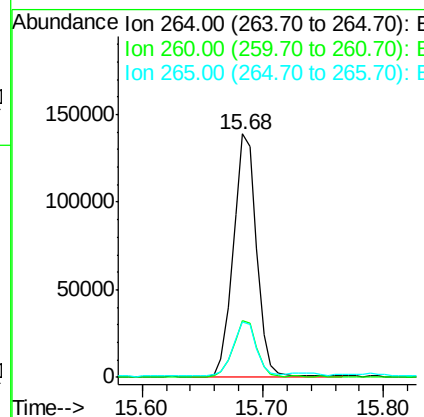
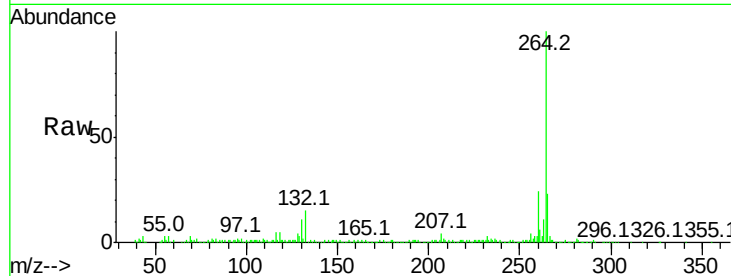
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	17.5	26.3

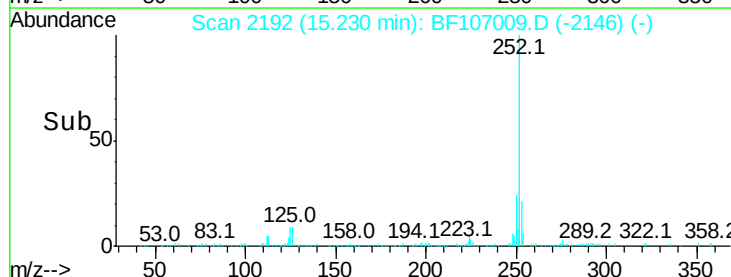
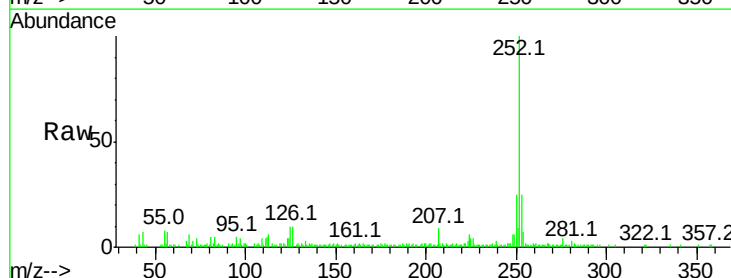
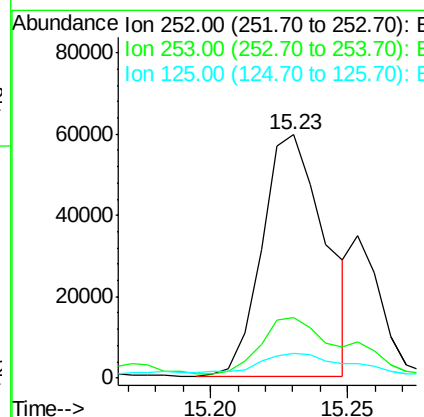
Manual Integrations
APPROVED

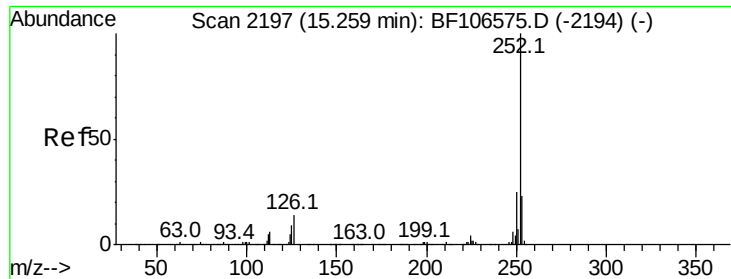
Sohil
7/2/2018 12:29:53 PM



#87
Benzo(b)fluoranthene
Concen: 8.273 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	10.2	9.0	13.6





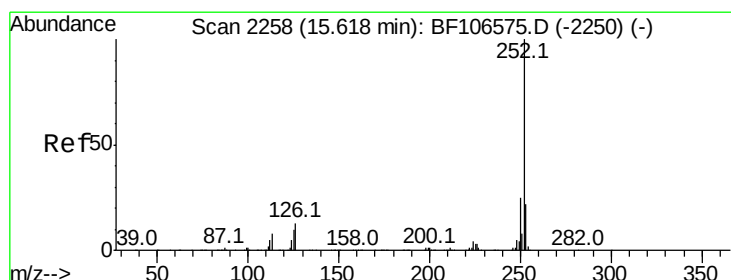
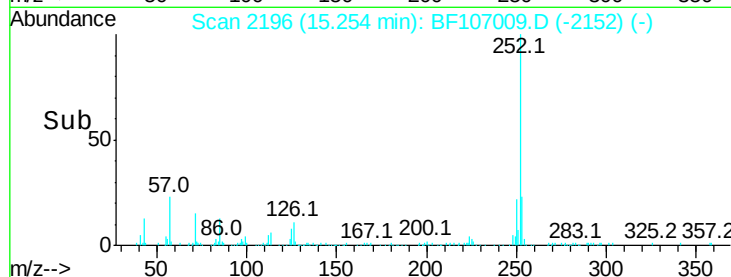
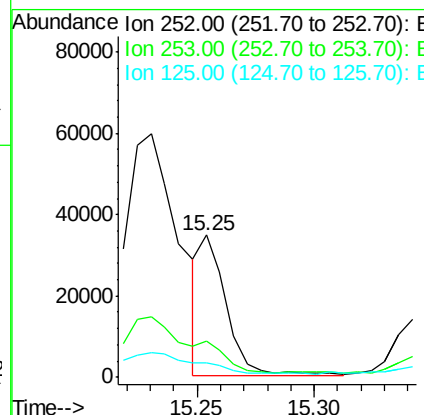
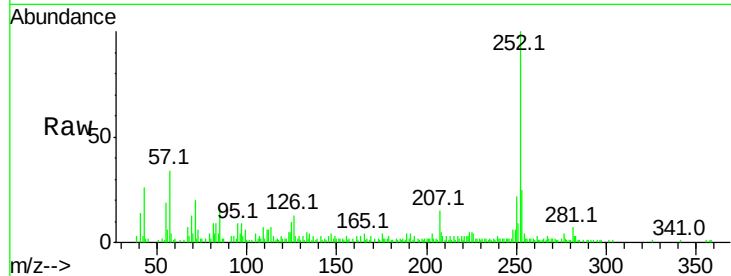
#88
Benzo(k)fluoranthene
Concen: 2.487 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Instrument :
BNA_F
ClientSampleId :
EO-03-062818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	10.4	10.2	15.2

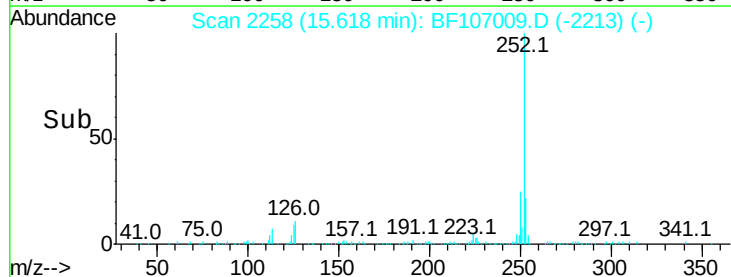
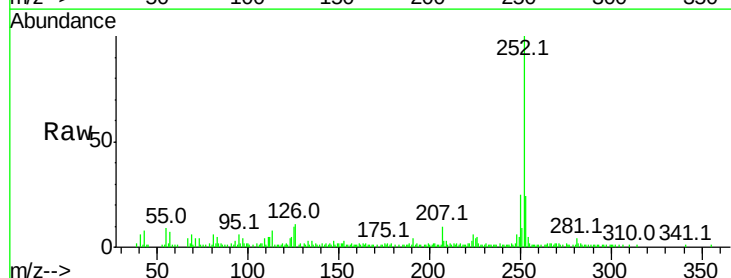
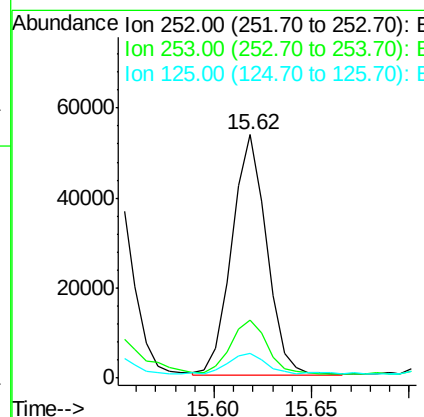
Manual Integrations
APPROVED

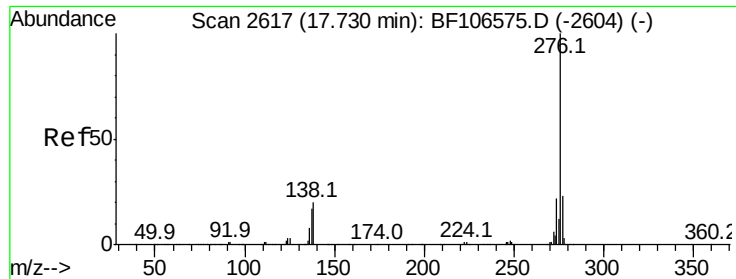
Sohil
7/2/2018 12:29:53 PM



#89
Benzo(a)pyrene
Concen: 6.526 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107009.D
Acq: 30 Jun 2018 12:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.499 ng m
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.05 min
 Lab File: BF107009.D
 Acq: 30 Jun 2018 12:49

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-062818-A

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	17.9	26.9
138	19.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/2/2018 12:29:53 PM

