

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103935.D
 Acq On : 26 Mar 2018 19:55
 Operator : JU/SJ
 Sample : J1758-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-032318-A

Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:15:34 PM

Quant Time: Mar 27 08:12:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	145261	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	585984	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	267177	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	454071	20.00	ng	0.00
75) Chrysene-d12	14.16	240	313599	20.00	ng	-0.01
86) Perylene-d12	15.70	264	293998	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	885794	92.75	ng	0.00
7) Phenol-d6	6.60	99	1077553	92.22	ng	0.00
23) Nitrobenzene-d5	7.53	82	649685	77.32	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	266597	116.05	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1112131	66.40	ng	0.00
78) Terphenyl-d14	13.09	244	911588	67.47	ng	0.00
Target Compounds						
10) Phenol	6.60	94	30728	2.475	ng	Qvalue 86
49) Dimethylphthalate	9.72	163	70796	3.473	ng	100
57) Fluorene	10.56	166	48083	2.663	ng	99
70) Phenanthrene	11.53	178	316226	12.731	ng	97
71) Anthracene	11.58	178	94128	3.731	ng	97
74) Fluoranthene	12.73	202	336987	13.169	ng	96
77) Pyrene	12.96	202	283225	12.298	ng	100
80) Benzo(a)anthracene	14.14	228	125817	6.338	ng	99
82) Chrysene	14.19	228	111121	5.872	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	43737	2.647	ng	# 93
87) Benzo(b)fluoranthene	15.24	252	119725m	6.446	ng	
88) Benzo(k)fluoranthene	15.27	252	41997m	2.352	ng	
89) Benzo(a)pyrene	15.63	252	88149	5.232	ng	# 95
91) Benzo(a,h,i)perylene	17.76	276	42553	2.998	ng	98

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

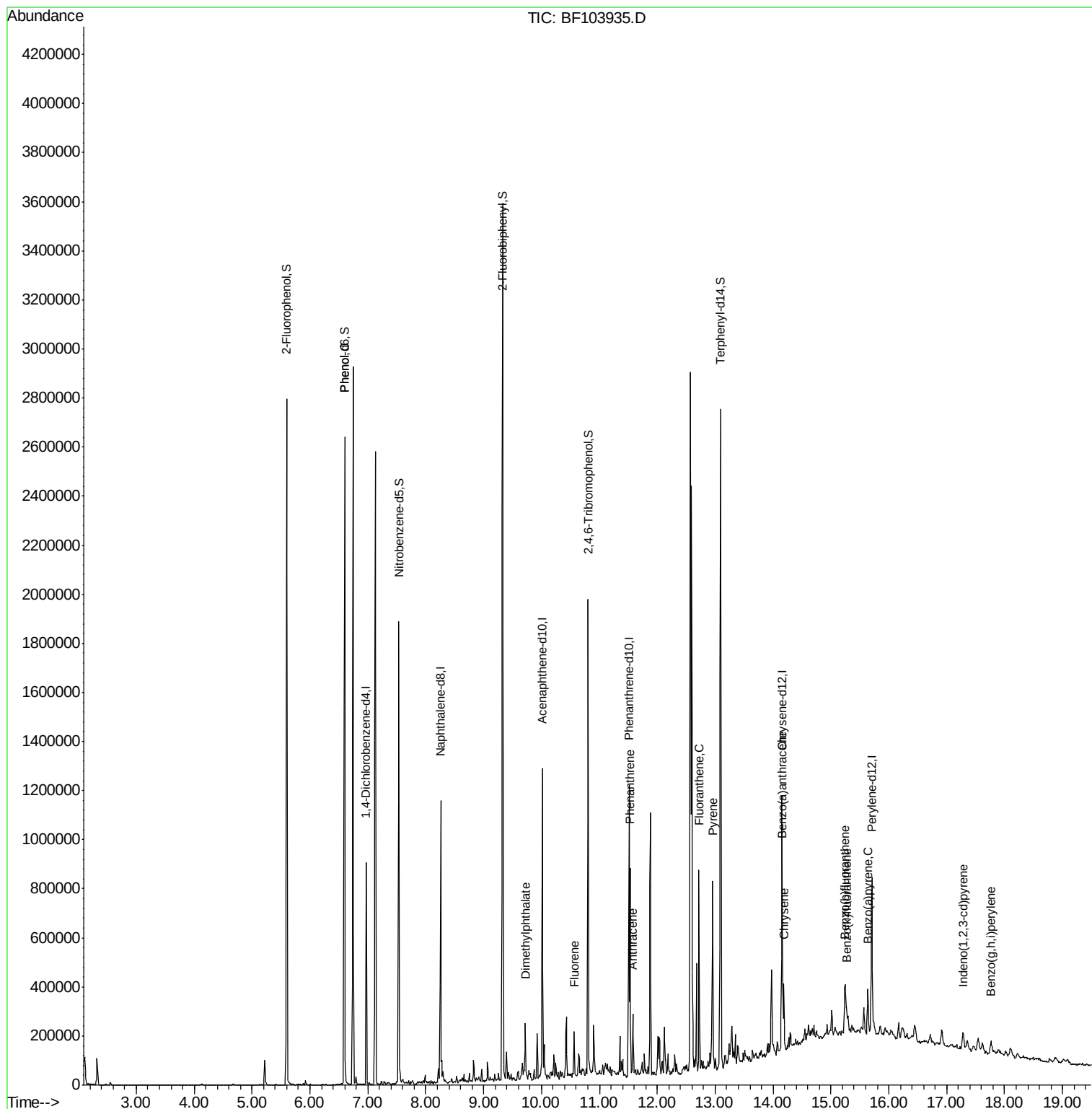
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
Data File : BF103935.D
Acq On : 26 Mar 2018 19:55
Operator : JU/SJ
Sample : J1758-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

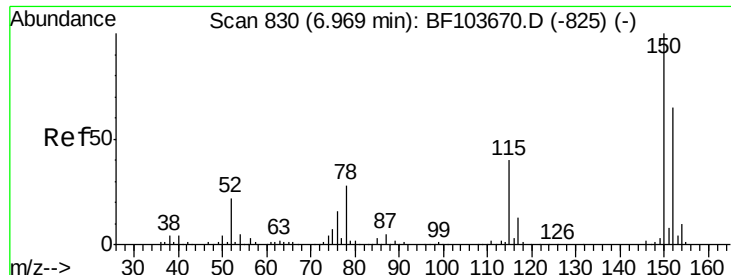
Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM

Quant Time: Mar 27 08:12:43 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 2018
Response via : Initial Calibration





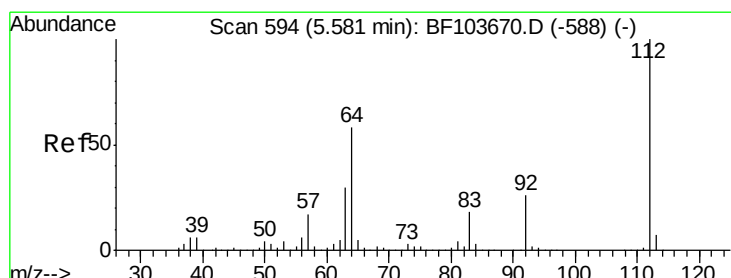
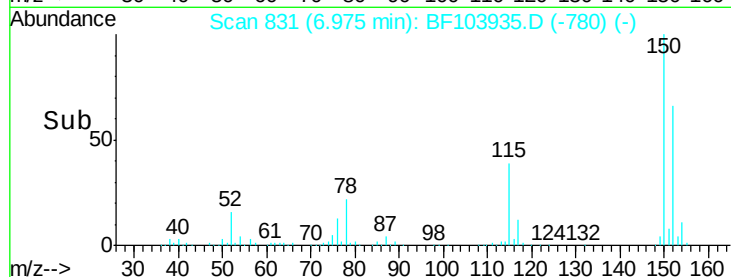
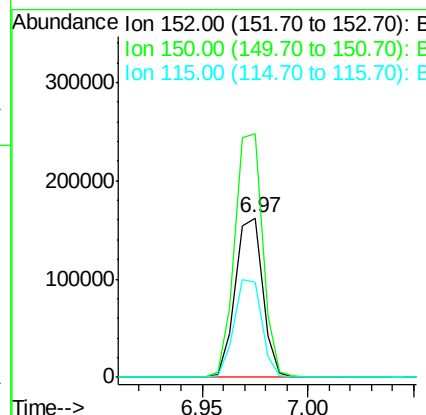
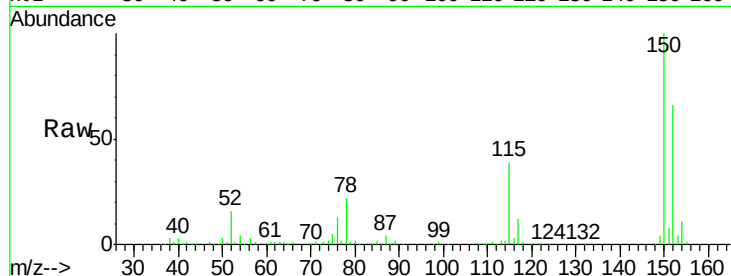
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: BF103935.D
 Acq: 26 Mar 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	59.5	50.1	75.1

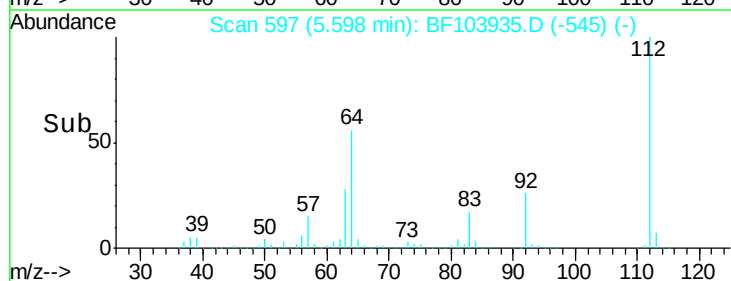
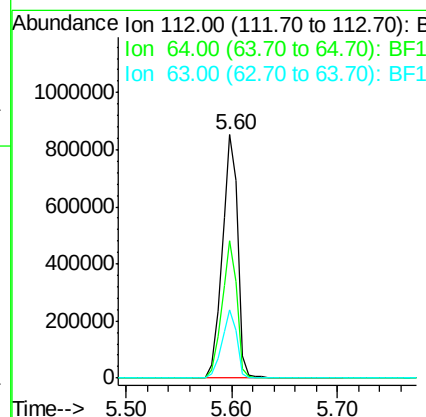
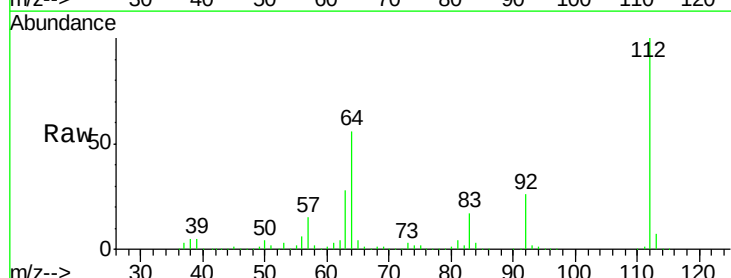
Manual Integrations
 APPROVED

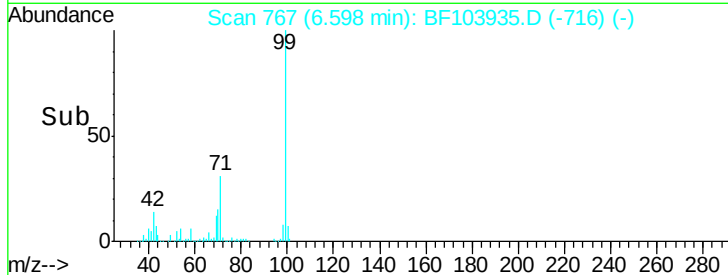
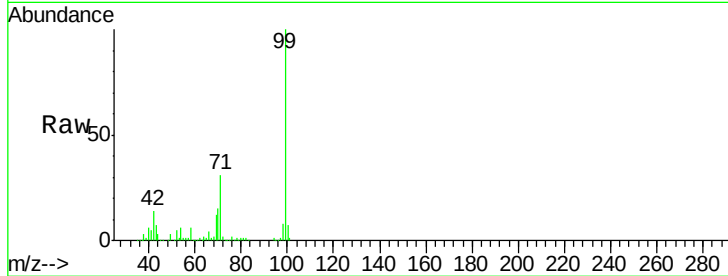
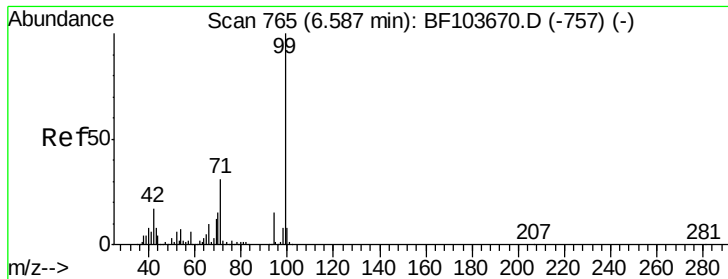
Sohil
 3/27/2018 2:15:34 PM



#5
 2-Fluorophenol
 Concen: 92.749 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF103935.D
 Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.0	23.7	35.5





#7

Phenol-d6

Concen: 92.223 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Tot Ion:	99	Resp:	1077553
Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7#
71	31.4	25.4	38.0

Instrument :

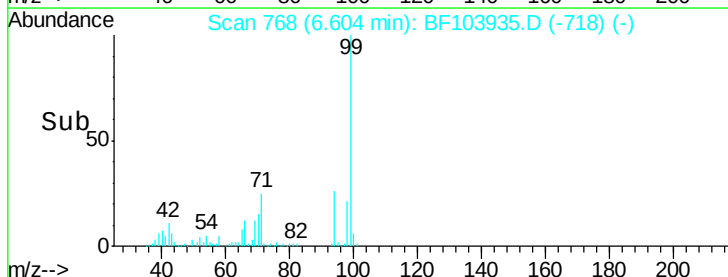
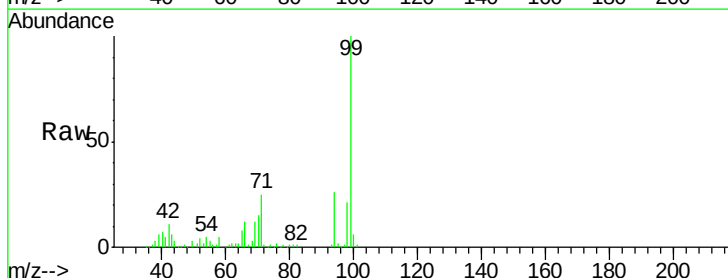
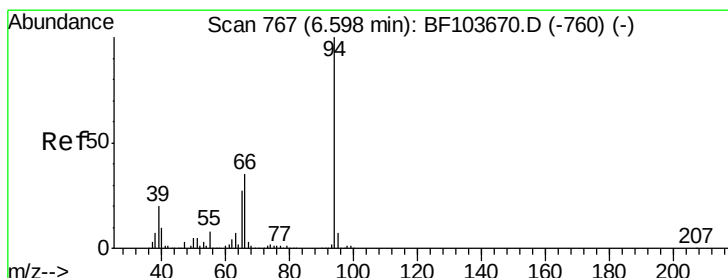
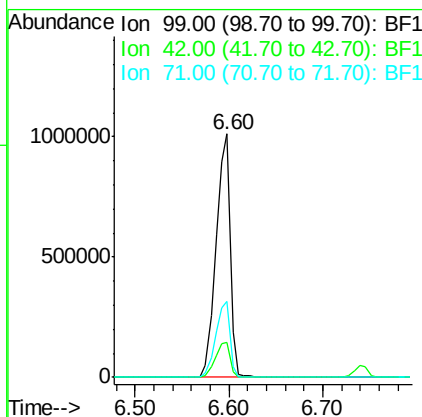
BNA_F

ClientSampled :

PL-02-032318-A

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM



#10

Phenol

Concen: 2.475 ng

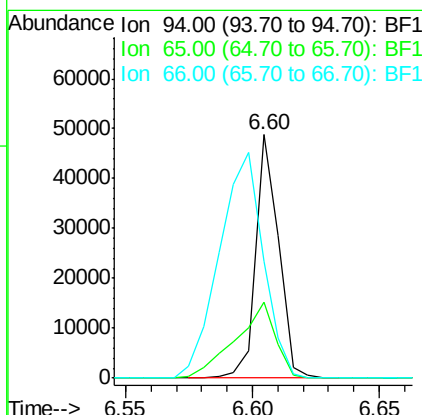
RT: 6.60 min Scan# 768

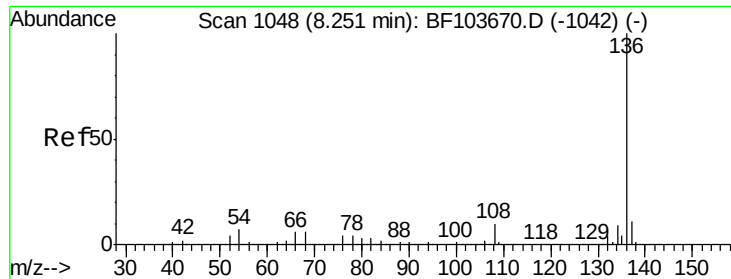
Delta R.T. -0.01 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Tgt Ion:	94	Resp:	30728
Ion	Ratio	Lower	Upper
94	100		
65	31.0	7.9	47.9
66	48.2	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Instrument :

BNA_F

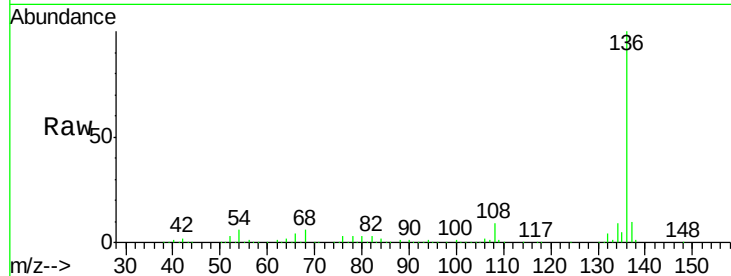
ClientSampleId :

PL-02-032318-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.9	13.3	
54	6.3	6.6	9.8	
68	5.8	5.0	7.4	

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM

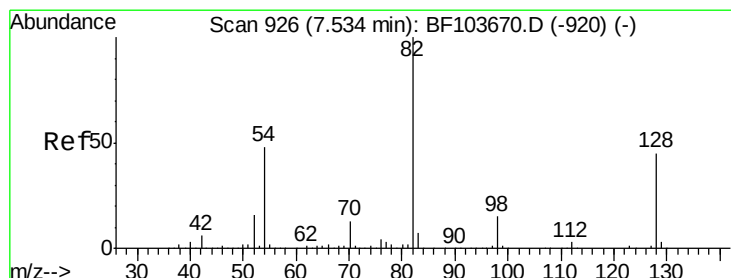
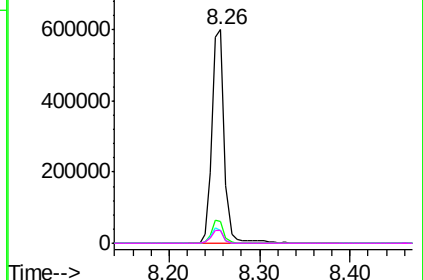
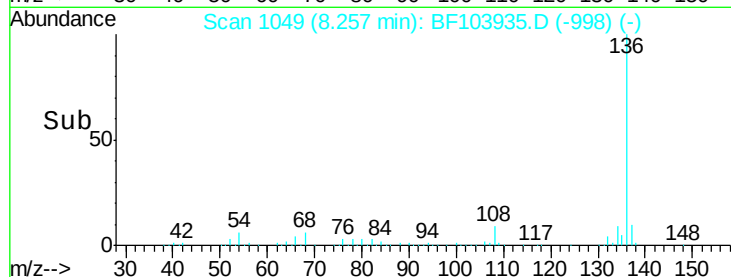


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.317 ng

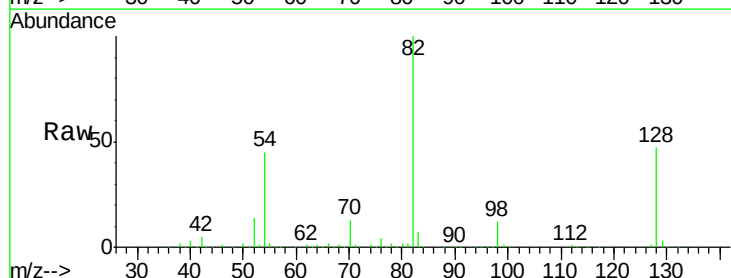
RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

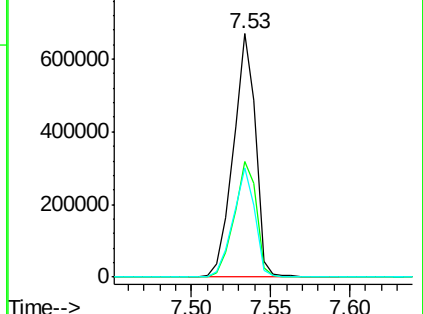
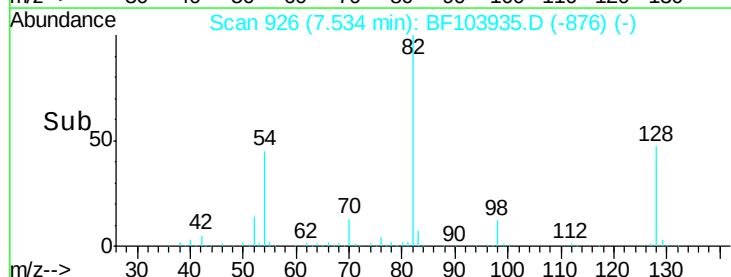
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	36.1	54.1	
54	44.8	41.4	62.2	

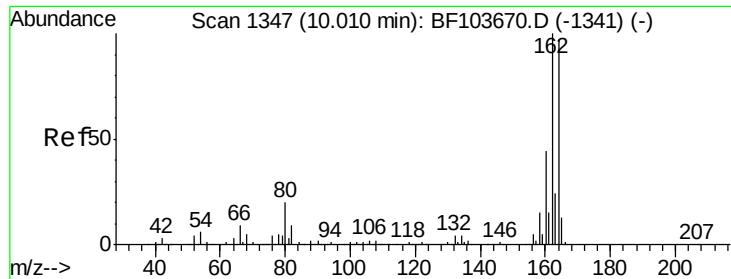


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





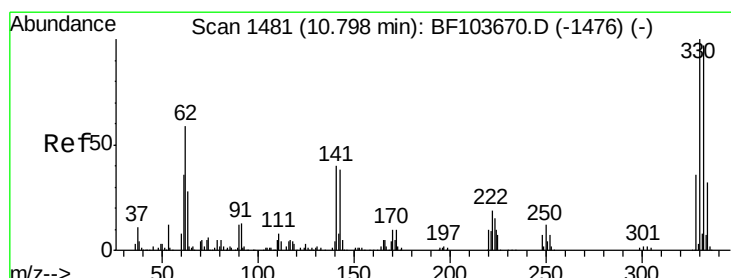
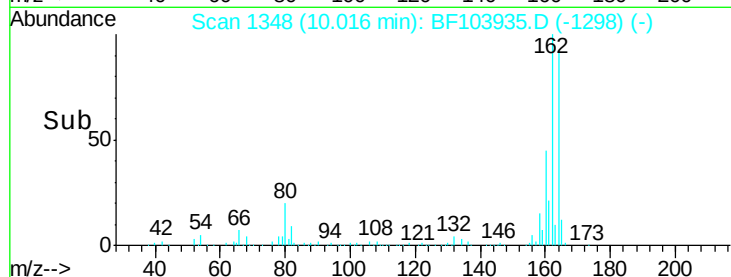
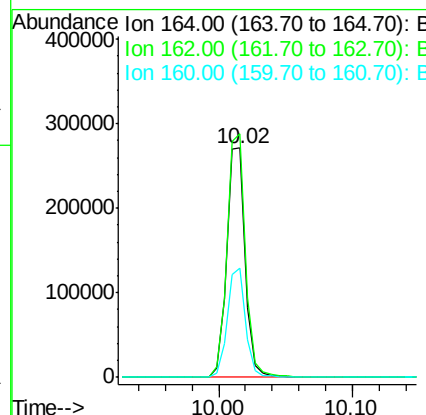
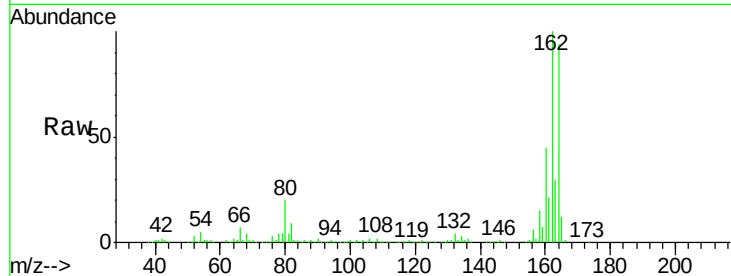
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	267177		
162	106.2	86.1	129.1	
160	47.5	38.3	57.5	

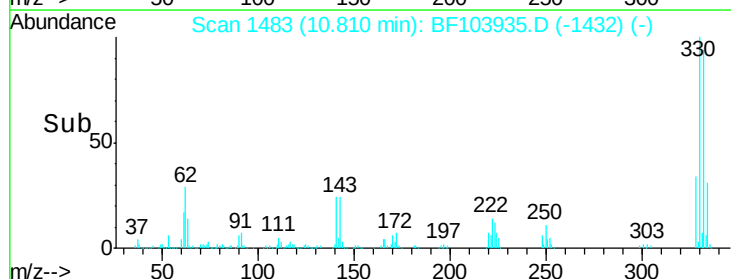
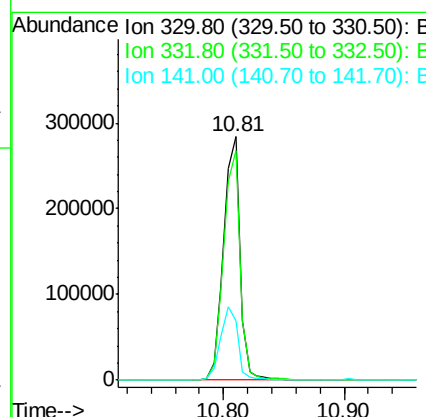
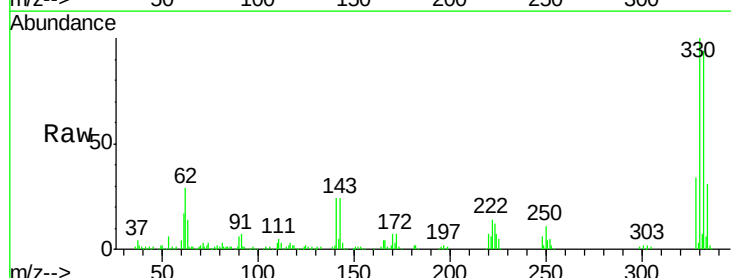
Manual Integrations
APPROVED

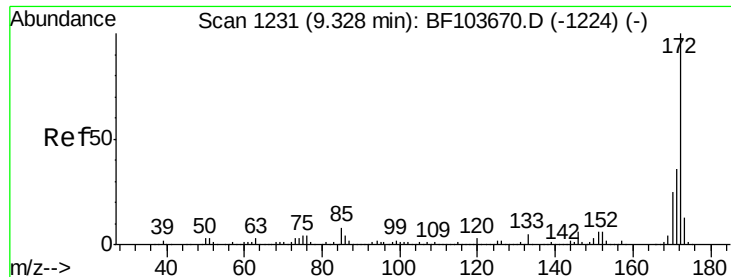
Sohil
3/27/2018 2:15:34 PM



#41
2,4,6-Tribromophenol
Concen: 116.053 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	266597		
332	95.0	77.0	115.6	
141	32.2	29.9	44.9	





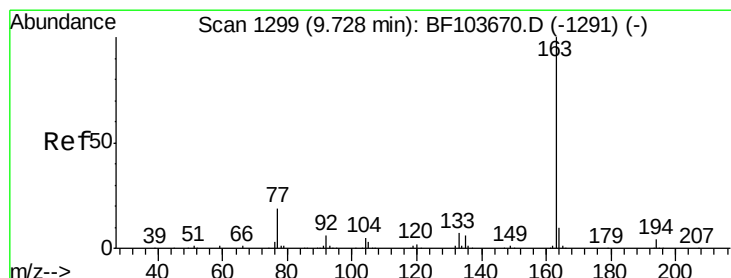
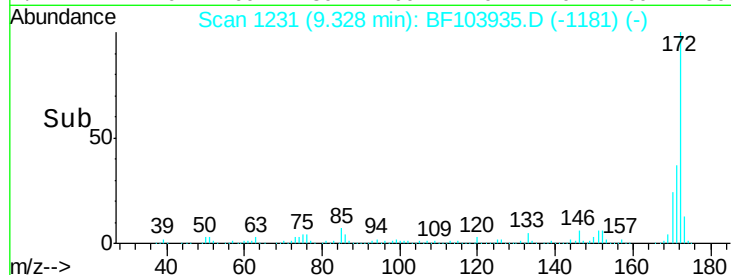
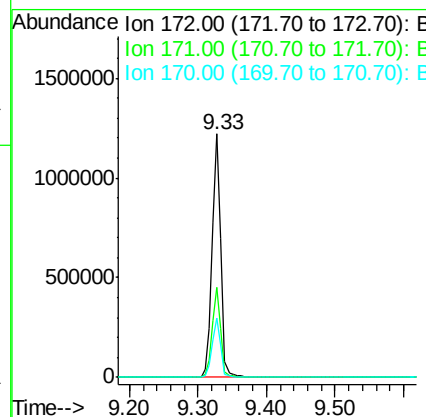
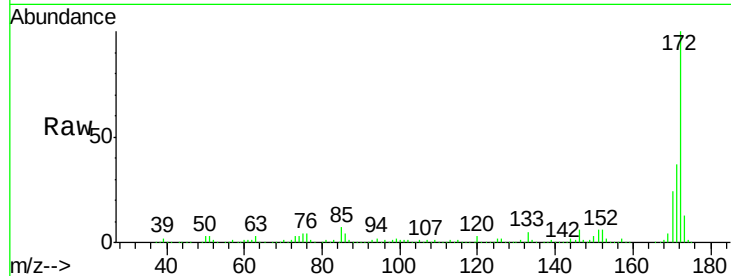
#44
2-Fluorobiphenyl
Concen: 66.399 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.3	19.6	29.4

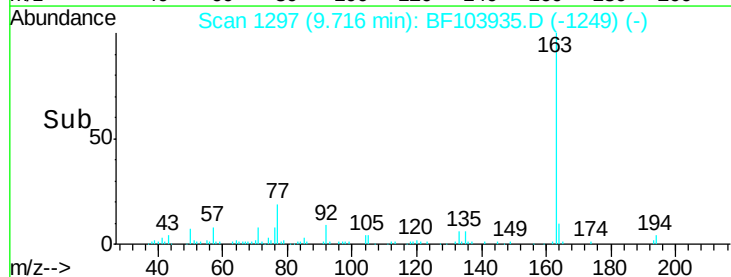
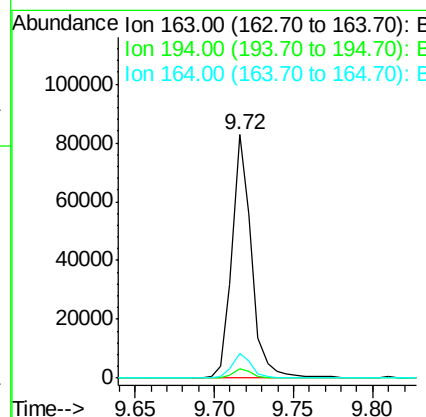
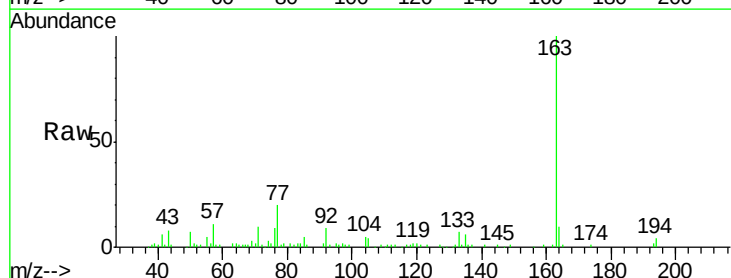
Manual Integrations
APPROVED

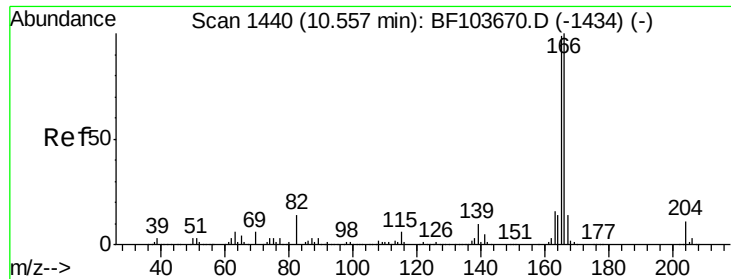
Sohil
3/27/2018 2:15:34 PM



#49
Dimethylphthalate
Concen: 3.473 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.2	8.2	12.2





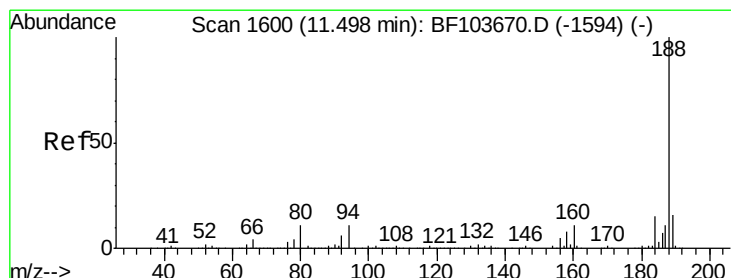
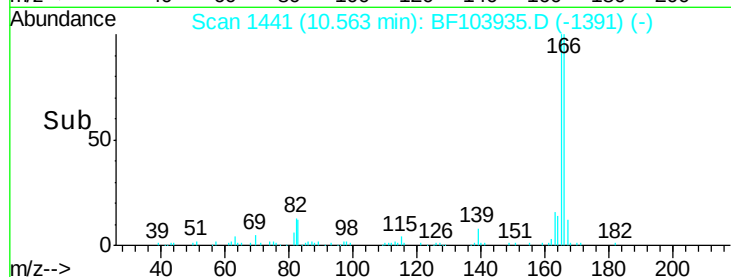
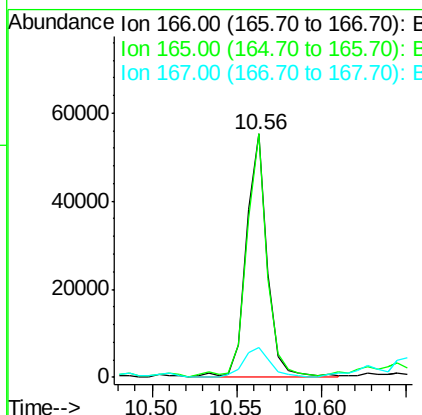
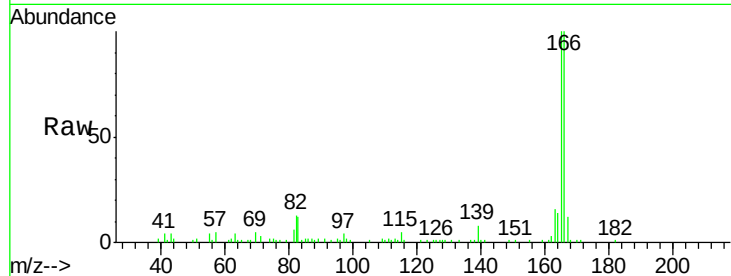
#57
Fluorene
 Concen: 2.663 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF103935.D
 Acq: 26 Mar 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	12.2	10.6	16.0

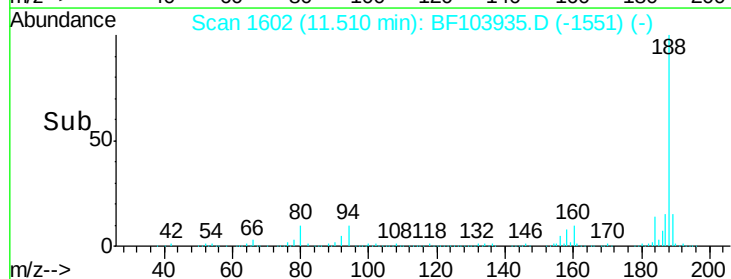
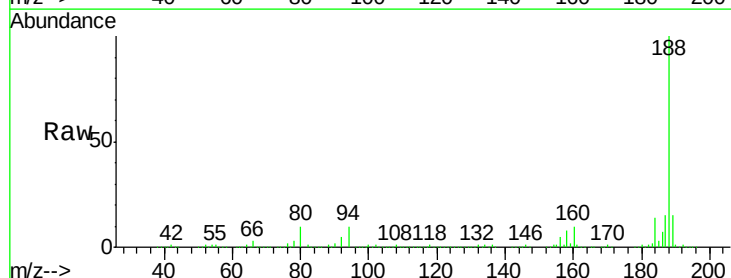
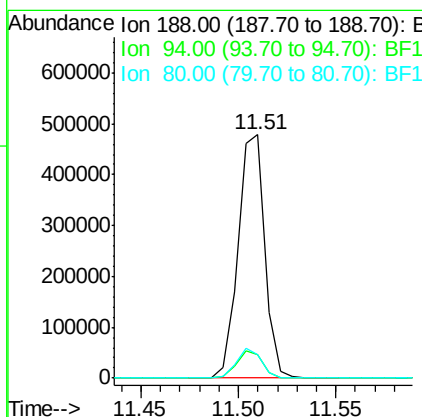
Manual Integrations
 APPROVED

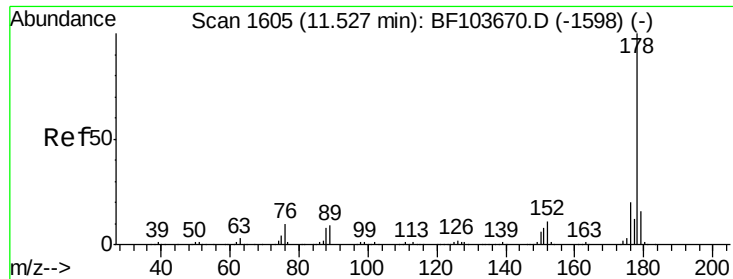
Sohil
 3/27/2018 2:15:34 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF103935.D
 Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	9.9	9.2	13.8





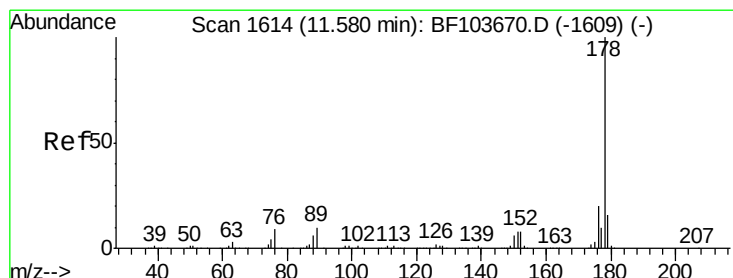
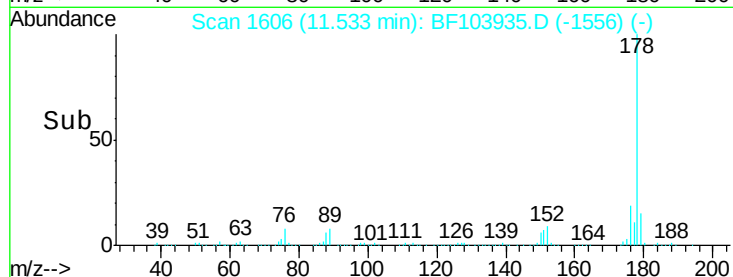
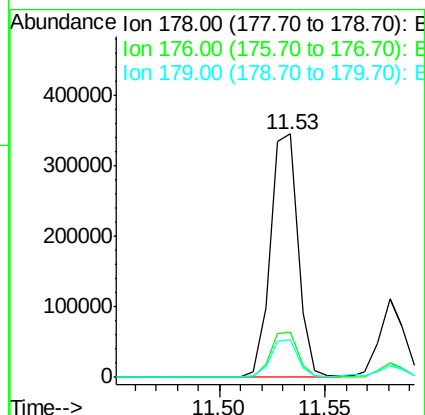
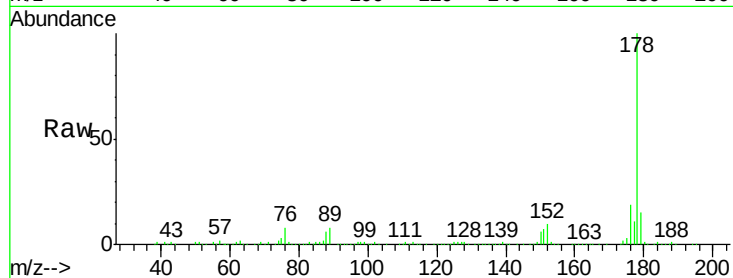
#70
Phenanthrene
Concen: 12.731 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.2	13.0	19.6

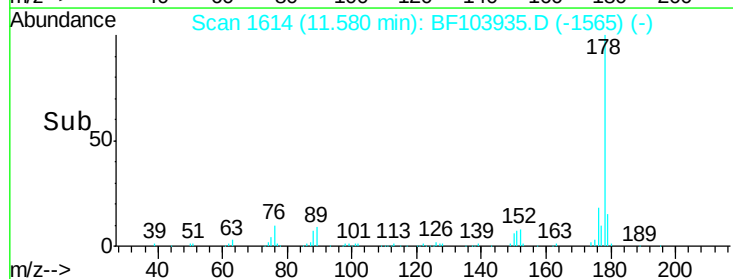
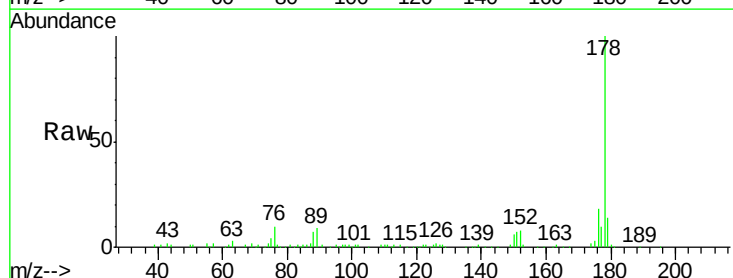
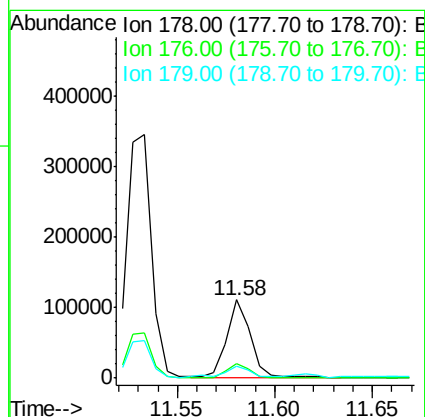
Manual Integrations
APPROVED

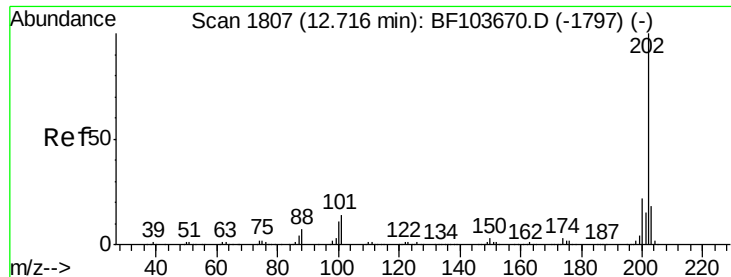
Sohil
3/27/2018 2:15:34 PM



#71
Anthracene
Concen: 3.731 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	14.5	12.6	19.0





#74

Fluoranthene

Concen: 13.169 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Instrument :

BNA_F

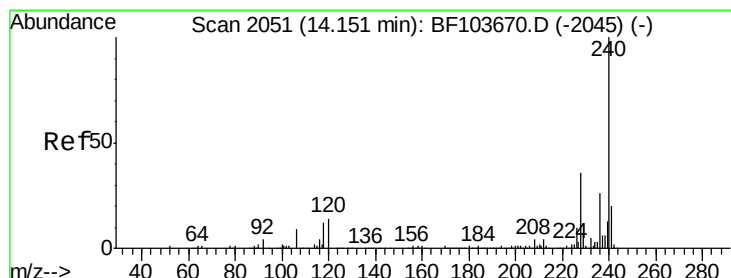
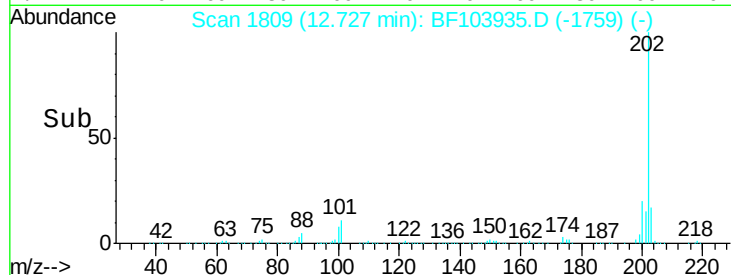
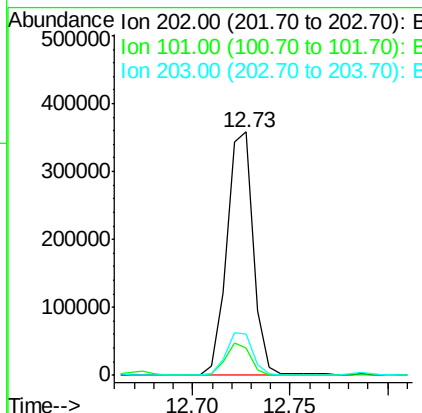
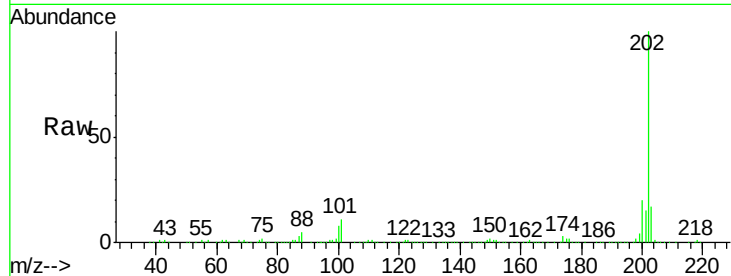
ClientSampleId :

PL-02-032318-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.2	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM



#75

Chrysene-d12

Concen: 20.000 ng

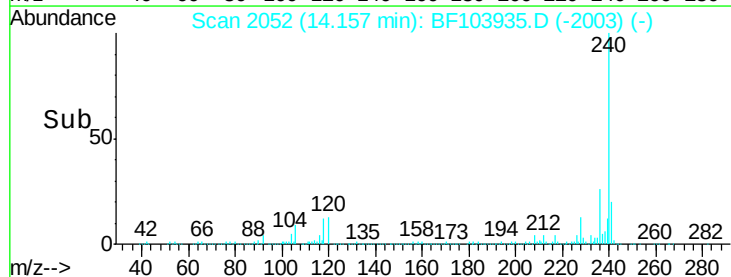
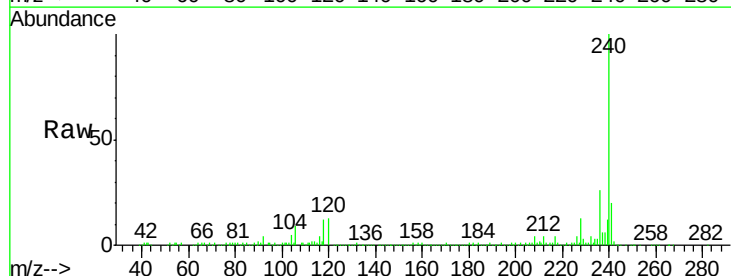
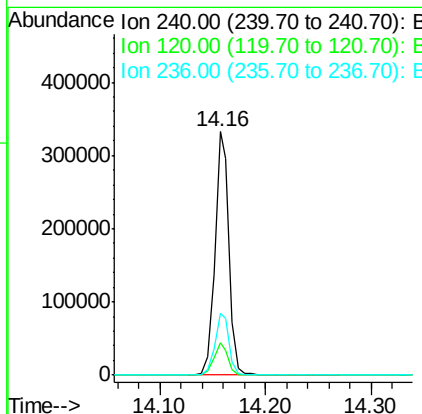
RT: 14.16 min Scan# 2052

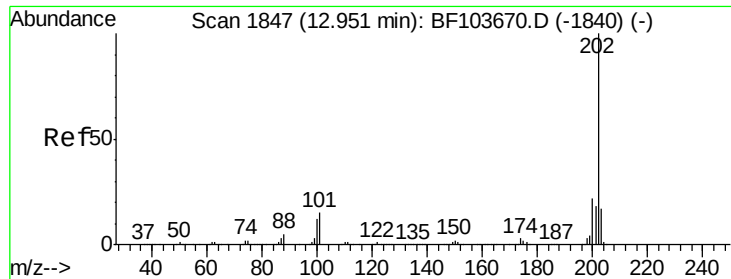
Delta R.T. -0.01 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.7	20.7	31.1





#77

Pvrene

Concen: 12.298 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Instrument :

BNA_F

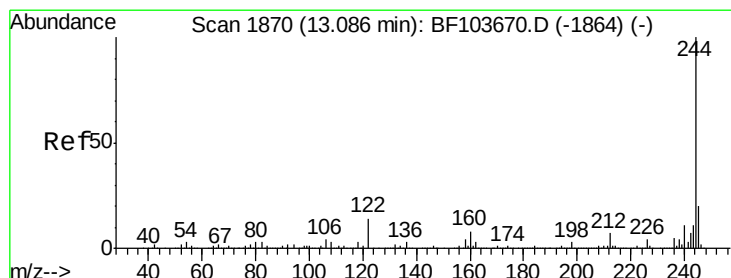
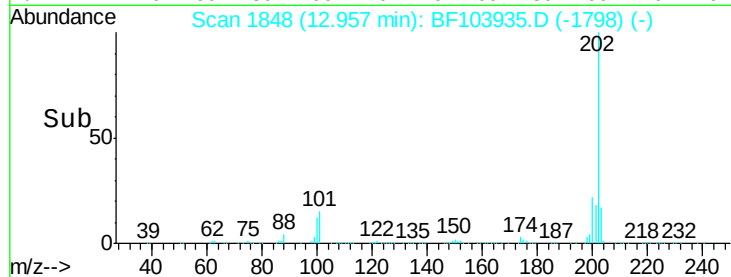
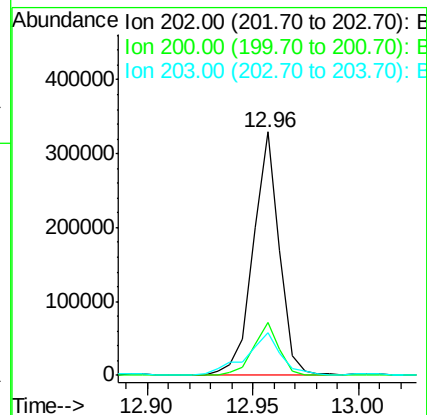
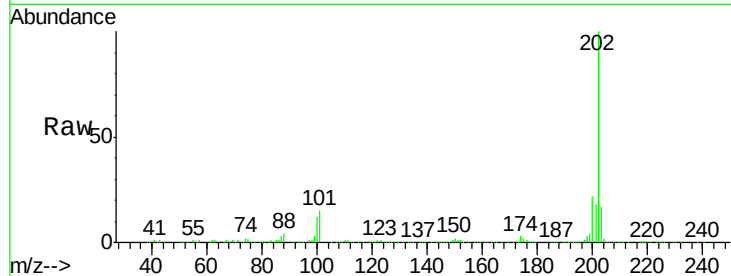
ClientSampleId :

PL-02-032318-A

Tot Ion:	202	Resp:	283225
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM



#78

Terphenyl-d14

Concen: 67.472 ng

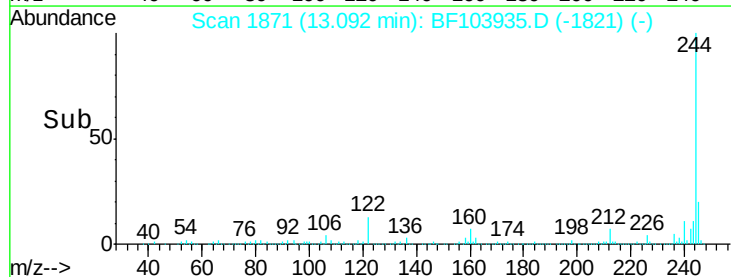
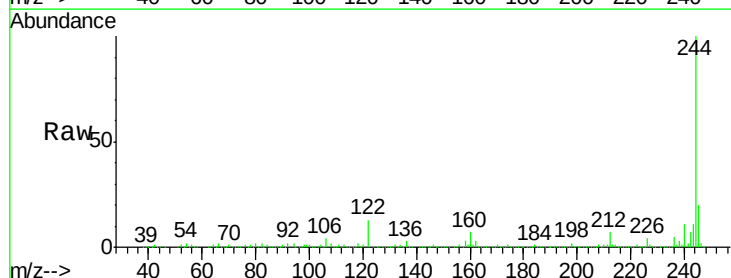
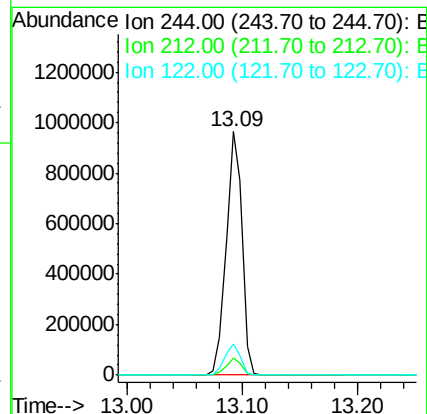
RT: 13.09 min Scan# 1871

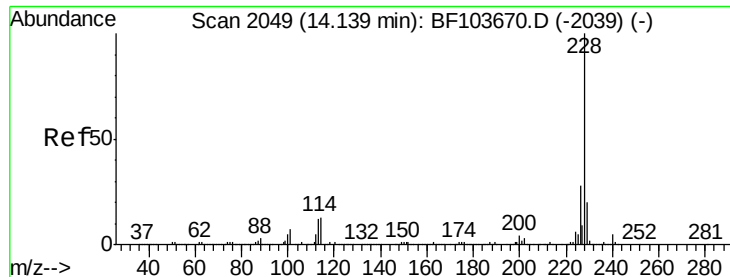
Delta R.T. -0.01 min

Lab File: BF103935.D

Acq: 26 Mar 2018 19:55

Tgt Ion:	244	Resp:	911588
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.0	11.0	16.4





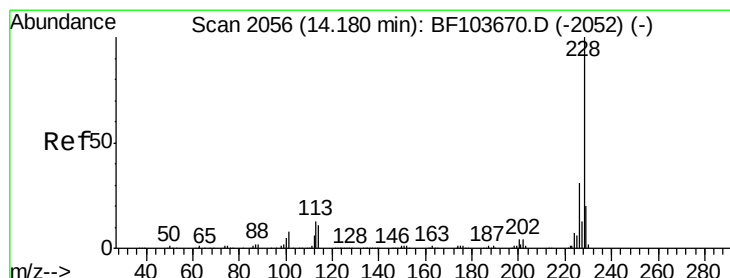
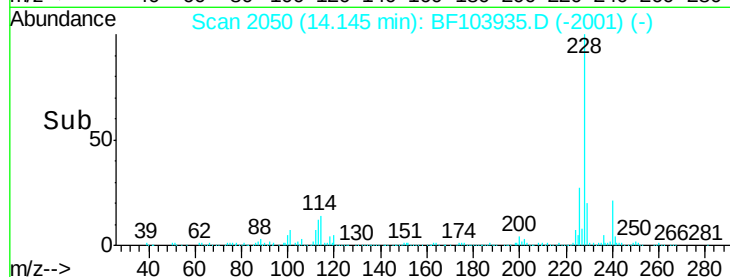
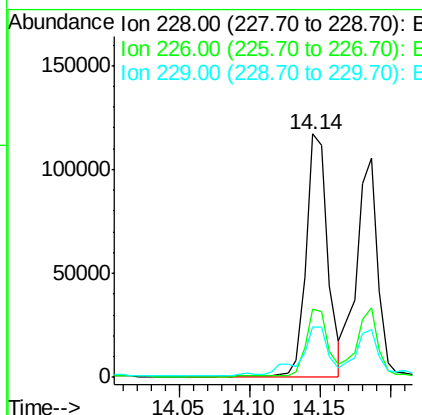
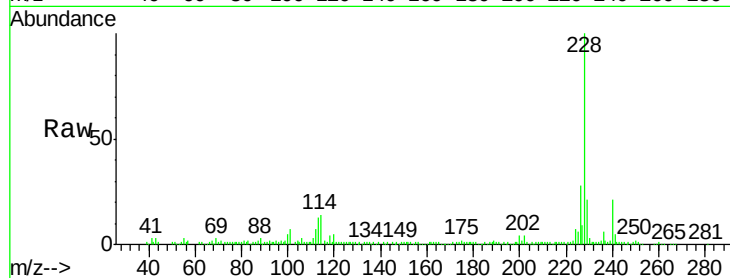
#80
Benzo(a)anthracene
Concen: 6.338 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.7	15.8	23.6

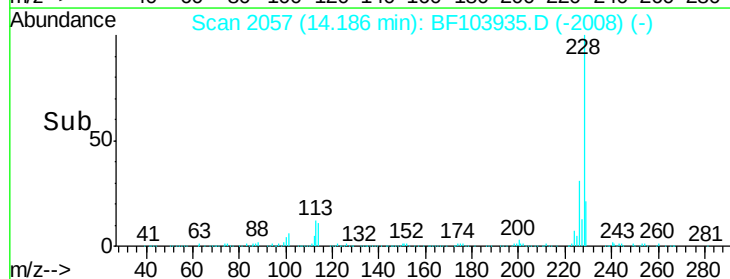
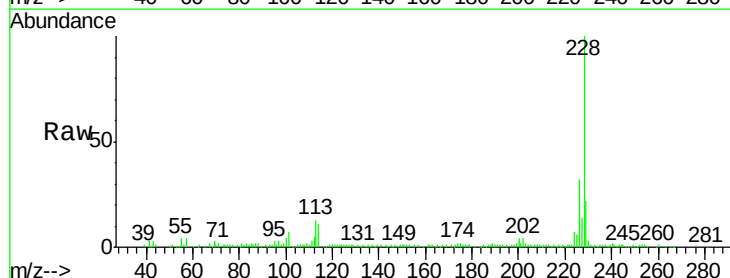
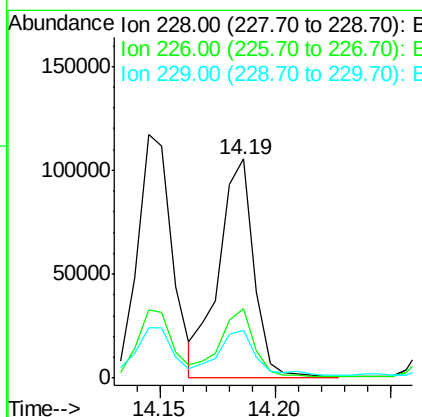
Manual Integrations
APPROVED

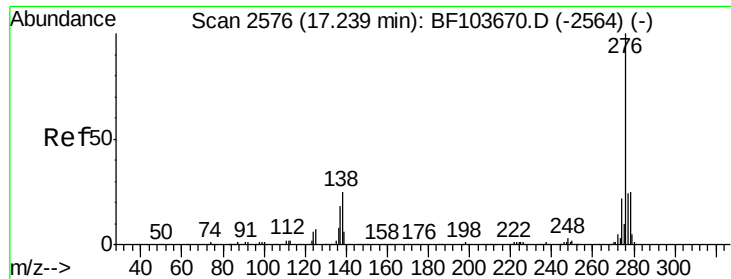
Sohil
3/27/2018 2:15:34 PM



#82
Chrysene
Concen: 5.872 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	21.9	16.2	24.4





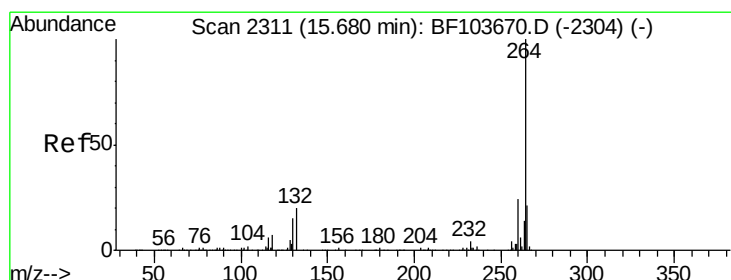
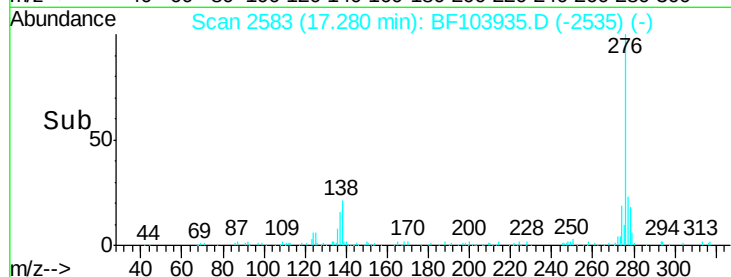
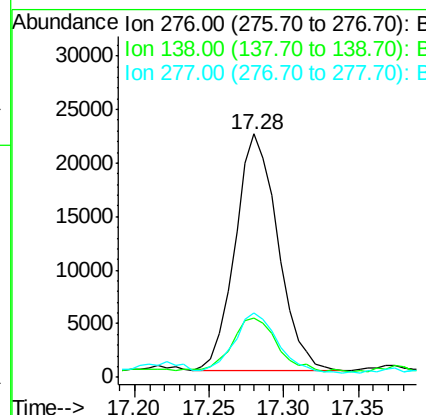
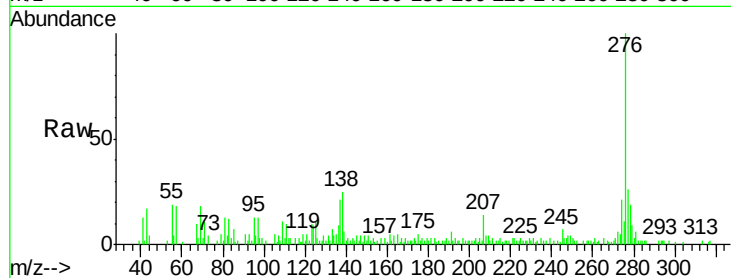
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.647 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	25.0	37.6#
277	25.9	20.1	30.1

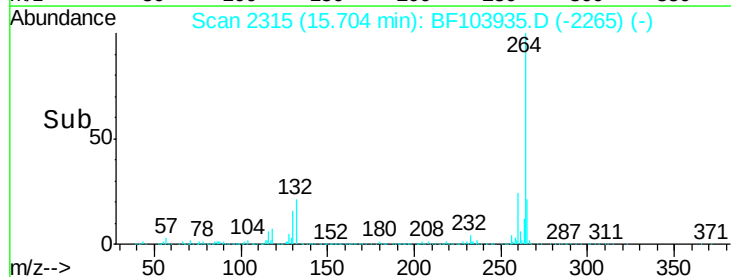
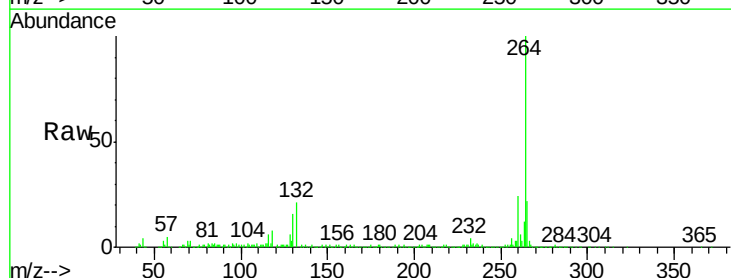
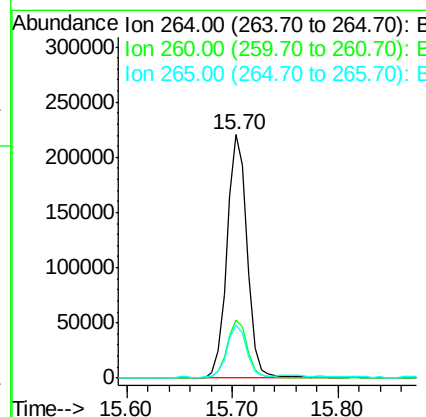
Manual Integrations
APPROVED

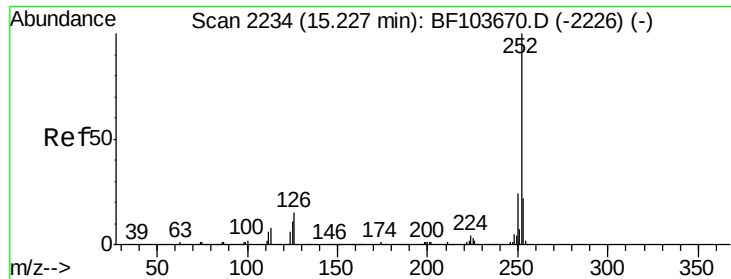
Sohil
3/27/2018 2:15:34 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3





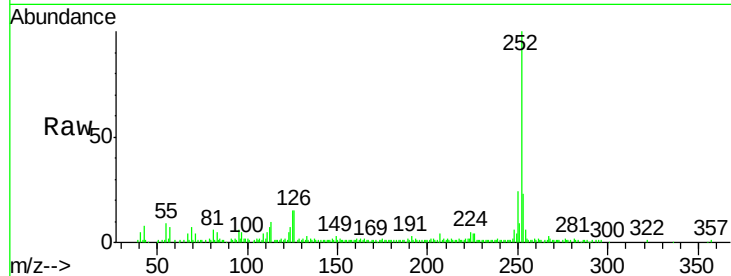
#87
Benzo(b)fluoranthene
Concen: 6.446 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.6	9.0	13.6#

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM

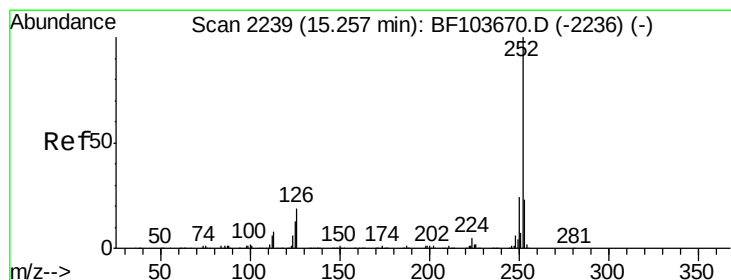
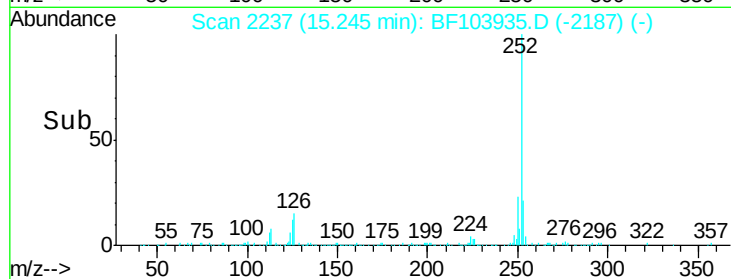
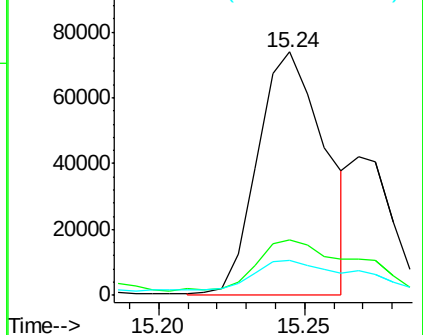


Abundance

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



#88
Benzo(k)fluoranthene
Concen: 2.352 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

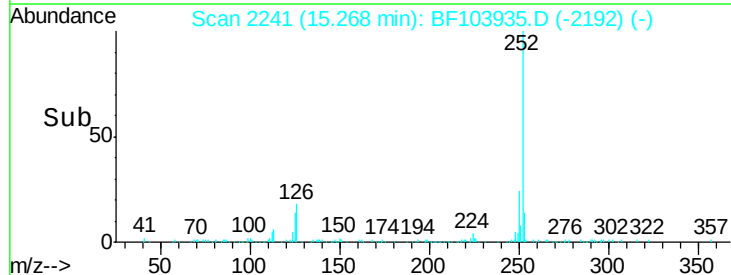
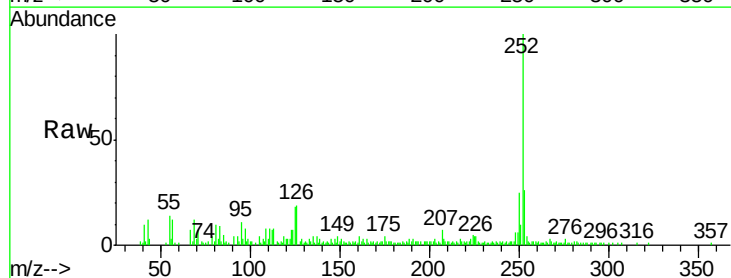
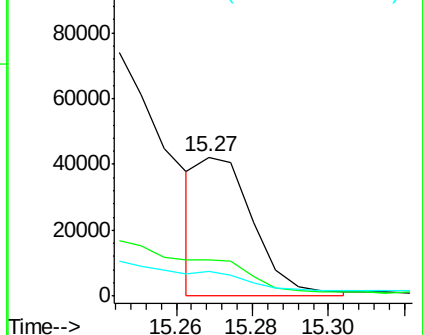
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	17.8	10.2	15.2#

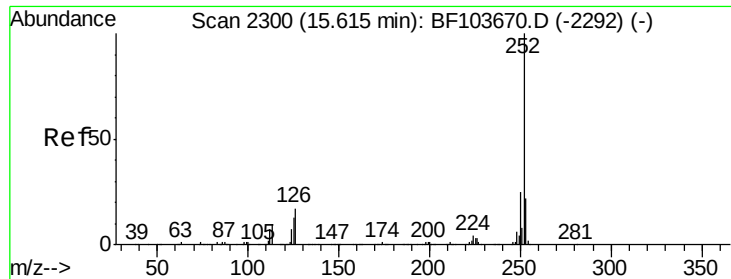
Abundance

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





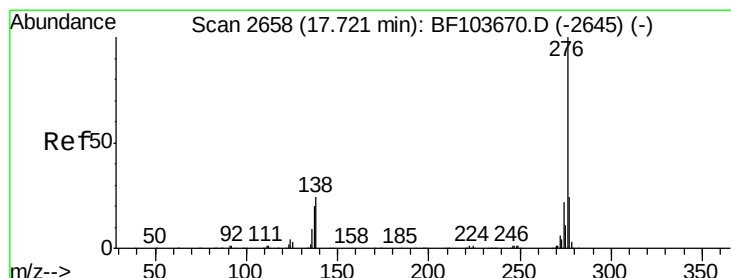
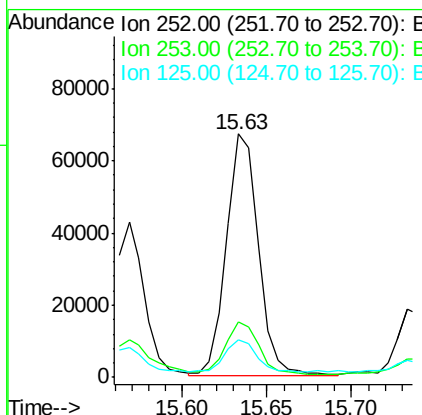
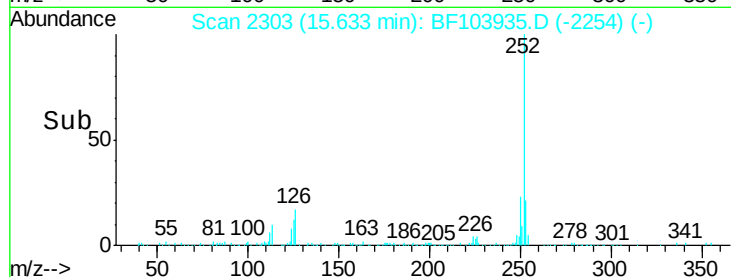
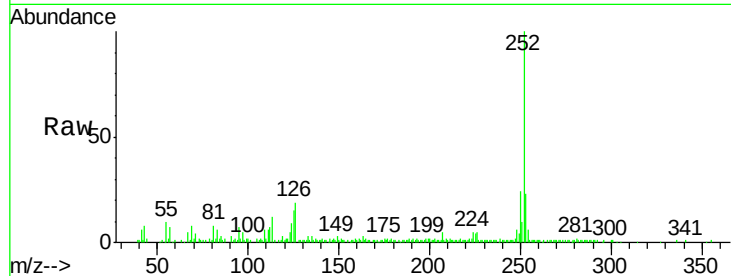
#89
Benzo(a)pyrene
Concen: 5.232 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Instrument :
BNA_F
ClientSampleId :
PL-02-032318-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	15.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/27/2018 2:15:34 PM



#91
Benzo(g,h,i)perylene
Concen: 2.998 ng
RT: 17.76 min Scan# 2665
Delta R.T. -0.02 min
Lab File: BF103935.D
Acq: 26 Mar 2018 19:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	27.1	21.8	32.8

