

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038567.D
 Acq On : 14 Dec 2018 13:47
 Operator : JU/SJ
 Sample : J6319-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 055_BT-1-1

Manual Integrations
 APPROVED

Sohil
 12/14/2018 5:09:25 PM

Quant Time: Dec 14 15:33:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	29315	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	120990	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	84423	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	191035	20.00	ng	0.00
76) Chrysene-d12	21.72	240	186518	20.00	ng	0.00
87) Perylene-d12	25.02	264	205752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	120708	73.03	ng	0.00
7) Phenol-d6	7.22	99	168697	74.35	ng	0.00
23) Nitrobenzene-d5	9.24	82	111647	47.14	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	78722	67.66	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	250677	40.73	ng	0.00
79) Terphenyl-d14	20.04	244	379543	44.29	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10802	4.481	ng	72
38) 1-Methylnaphthalene	12.75	142	142174	34.451	ng	99
50) Dimethylphthalate	14.14	163	24221	3.513	ng	98
71) Phenanthrene	17.49	178	59111	5.967	ng	98
75) Fluoranthene	19.49	202	91345	7.452	ng	96
78) Pyrene	19.85	202	93906	7.621	ng	97
81) Benzo(a)anthracene	21.70	228	51457	4.527	ng	97
83) Chrysene	21.77	228	45528	4.159	ng	98
86) Indeno(1,2,3-cd)pyrene	28.79	276	44170	3.432	ng	# 96
88) Benzo(b)fluoranthene	23.96	252	74880	6.629	ng	99
89) Benzo(k)fluoranthene	24.02	252	26013m	2.312	ng	
90) Benzo(a)pyrene	24.85	252	60830m	5.582	ng	
92) Benzo(a,h,i)perylene	29.97	276	44000	4.115	ng	94

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

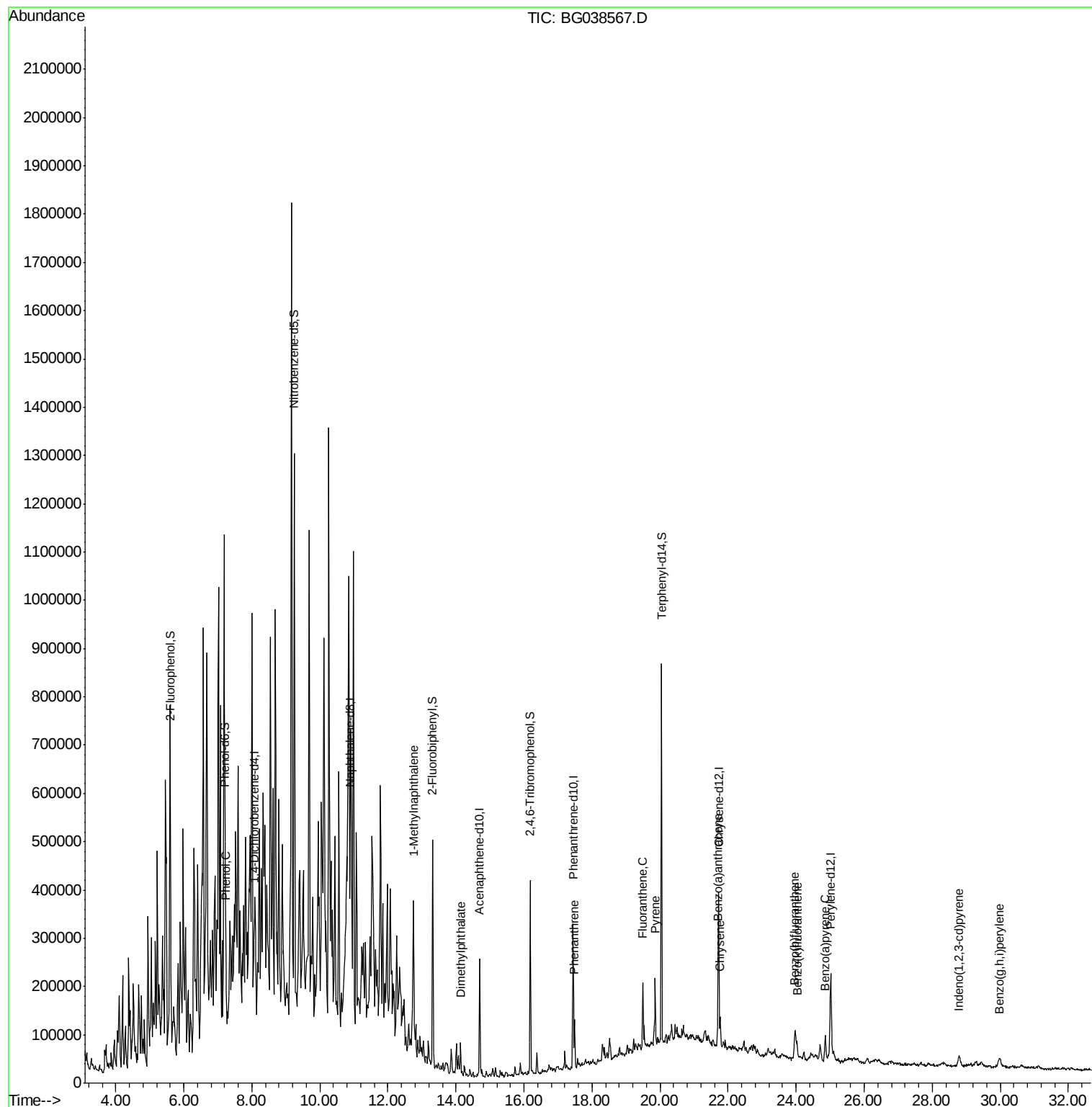
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
Operator : JU/SJ
Sample : J6319-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

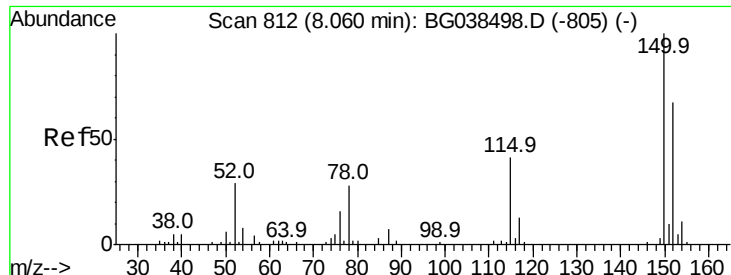
Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Manual Integrations
APPROVED

Sohil
12/14/2018 5:09:25 PM

Quant Time: Dec 14 15:33:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration





#1

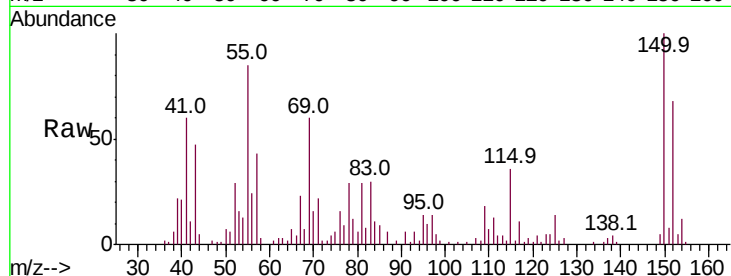
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.4	119.5	179.3
115	53.1	49.6	74.4

Manual Integrations
APPROVED

Sohil
12/14/2018 5:09:25 PM

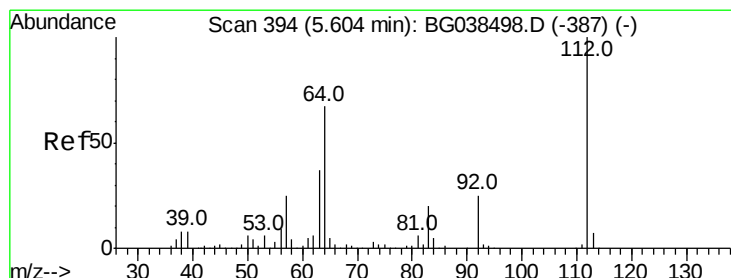
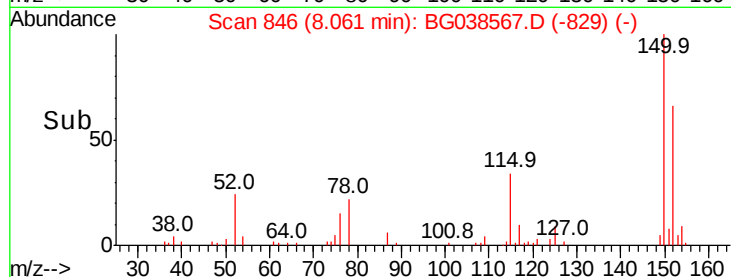
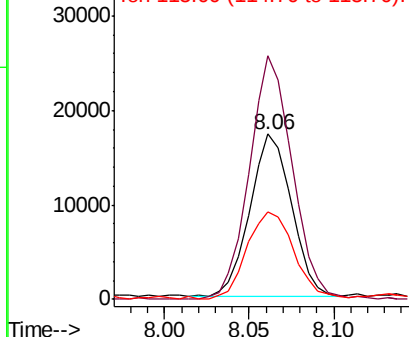


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

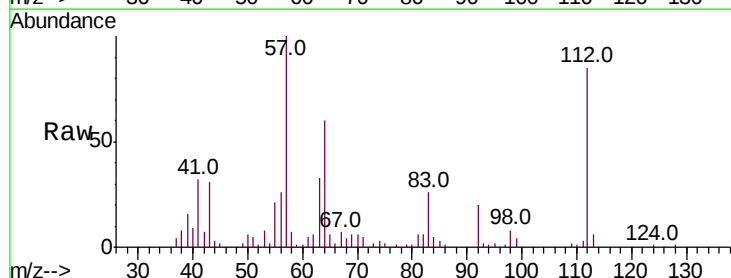
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 73.032 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	53.4	80.2
63	38.3	29.3	43.9

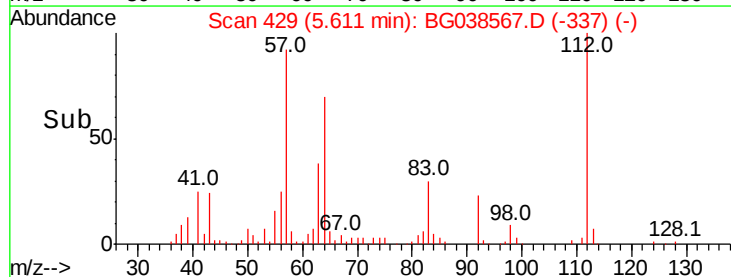
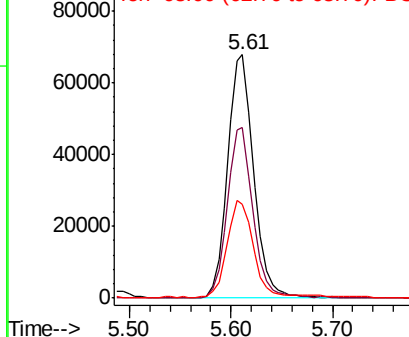


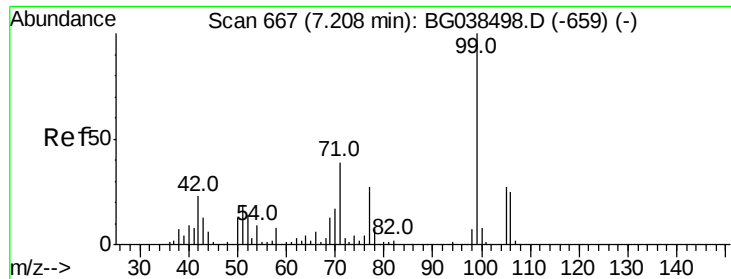
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 74.349 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_G

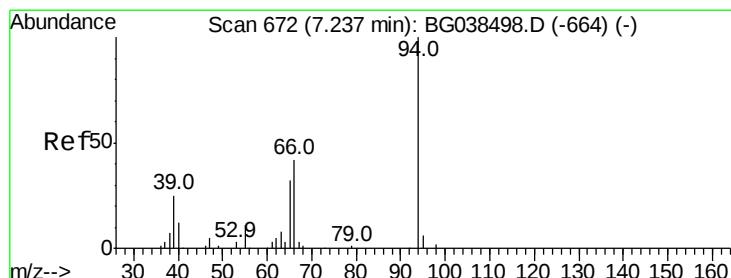
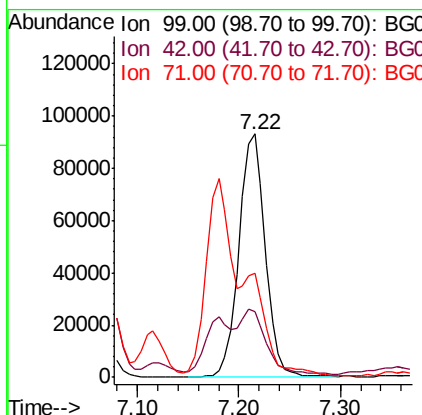
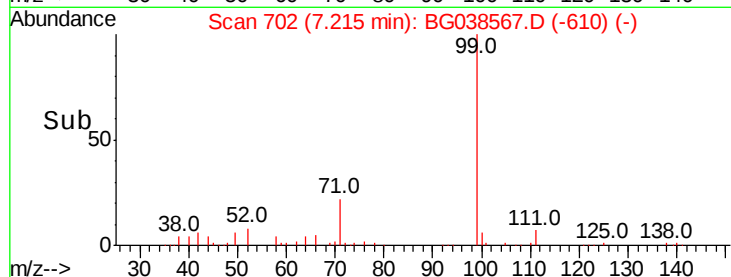
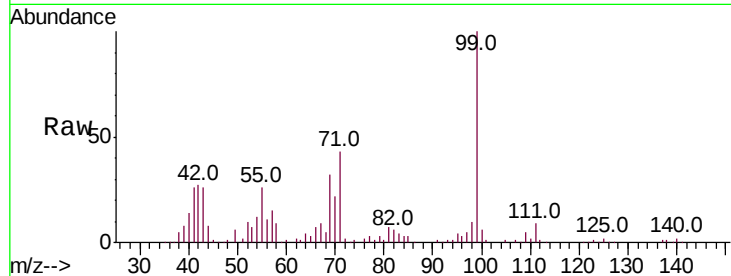
ClientSampleId :

055_BT-1-1

Tot Ion:	99	Resp:	168697
Ion Ratio	Lower	Upper	
99	100		
42	26.8	18.5	27.7
71	42.6	31.1	46.7

Manual Integrations
APPROVED

Sohil
12/14/2018 5:09:25 PM



#10

Phenol

Concen: 4.481 ng

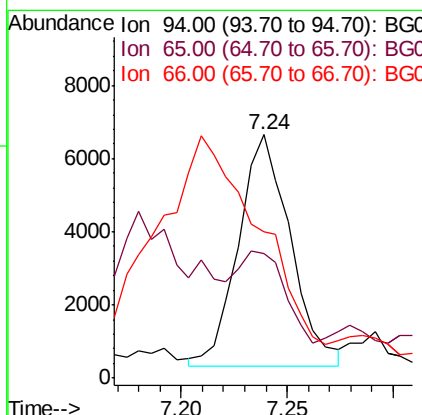
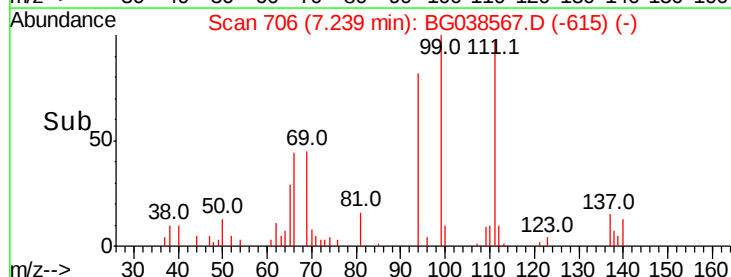
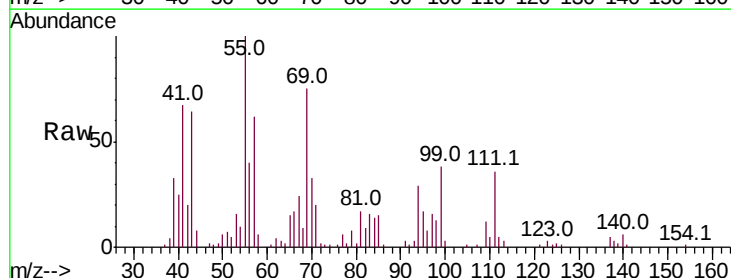
RT: 7.24 min Scan# 706

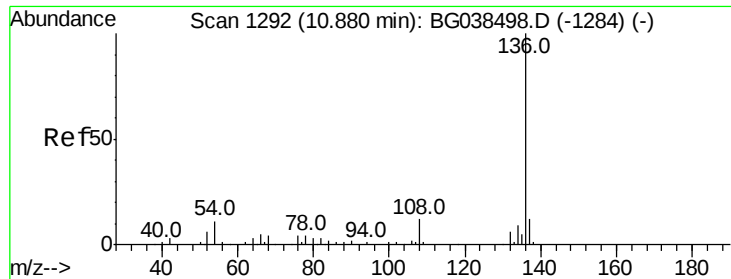
Delta R.T. 0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Tgt Ion:	94	Resp:	10802
Ion Ratio	Lower	Upper	
94	100		
65	51.1	12.6	52.6
66	59.9	24.1	64.1





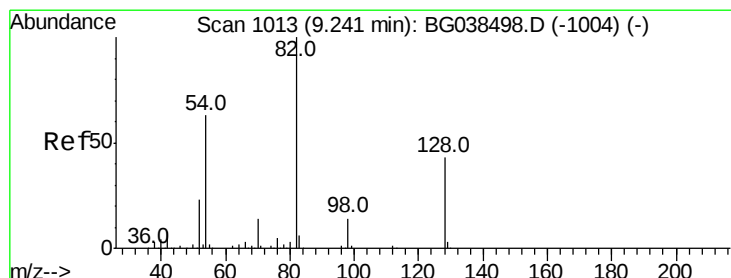
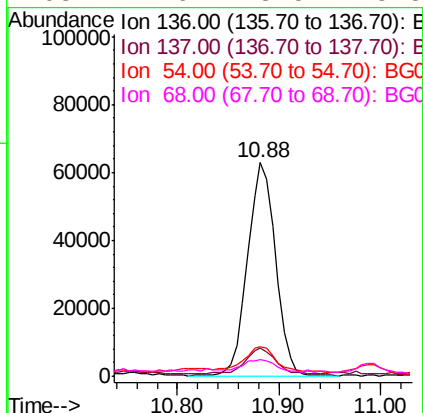
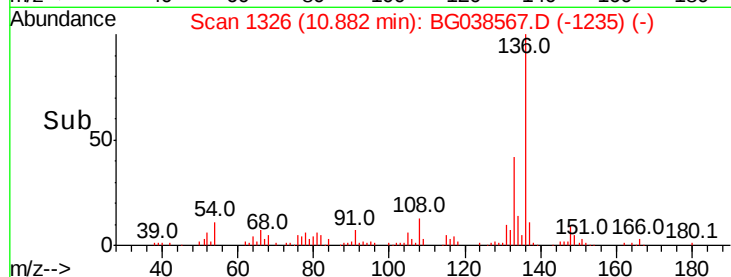
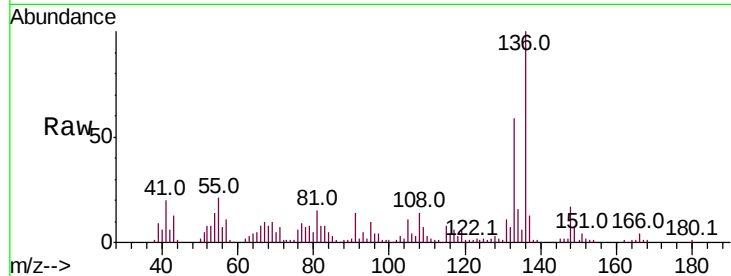
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100	120990		
137	13.1	9.3	13.9	
54	13.6	8.5	12.7#	
68	7.6	3.5	5.3#	

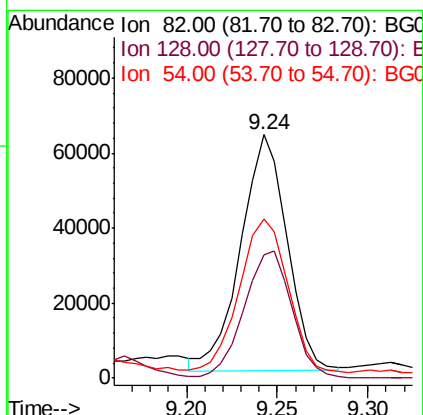
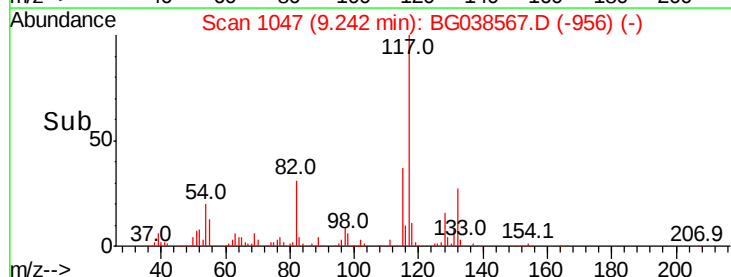
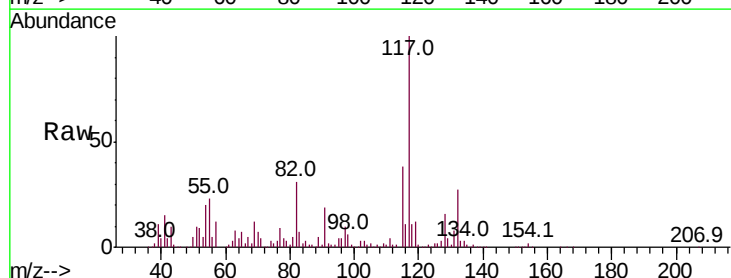
Manual Integrations
APPROVED

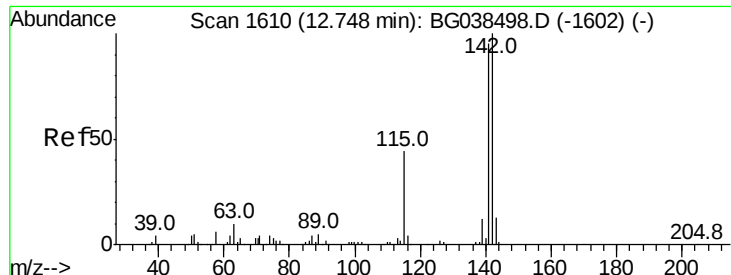
Sohil
12/14/2018 5:09:25 PM



#23
Nitrobenzene-d5
Concen: 47.142 ng
RT: 9.24 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	111647		
128	50.6	34.6	52.0	
54	65.3	50.6	76.0	





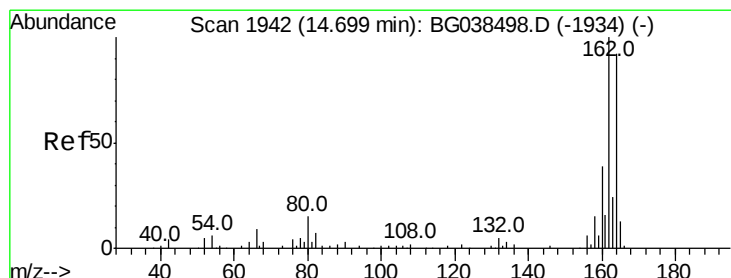
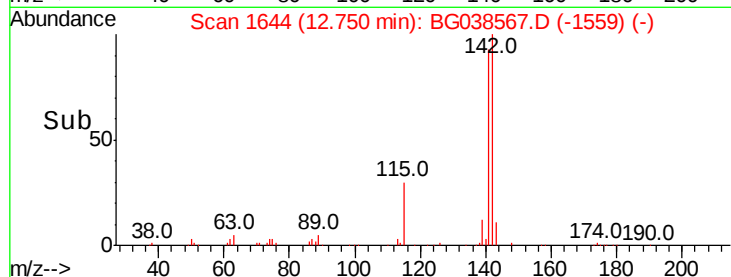
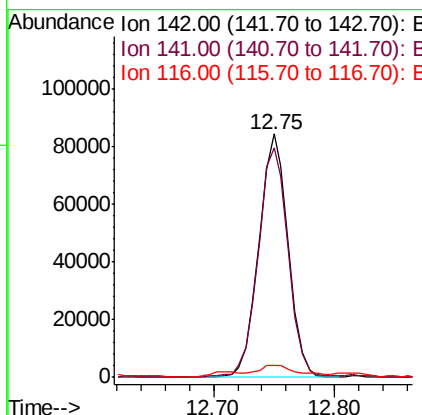
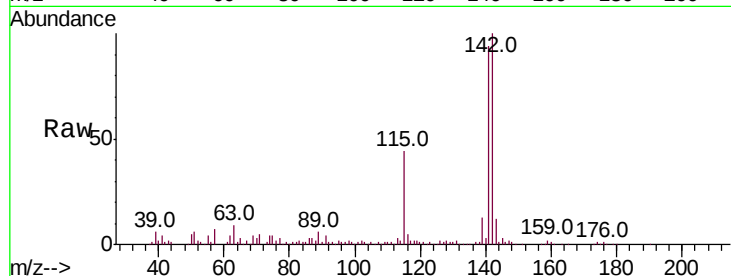
#38
1-Methylnaphthalene
Concen: 34.451 ng
RT: 12.75 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.2	75.8	113.8
116	4.8	3.6	5.4

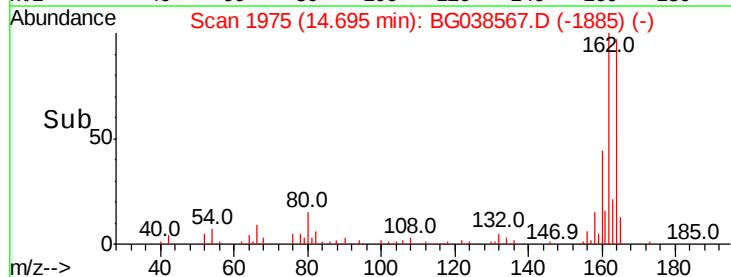
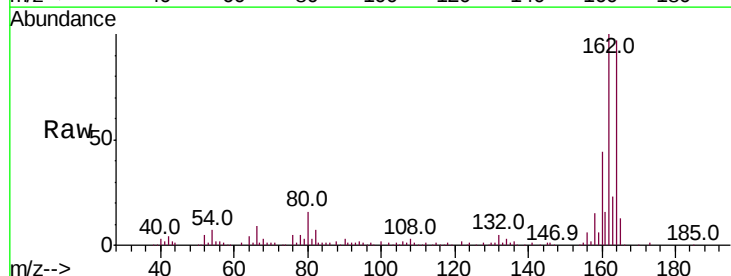
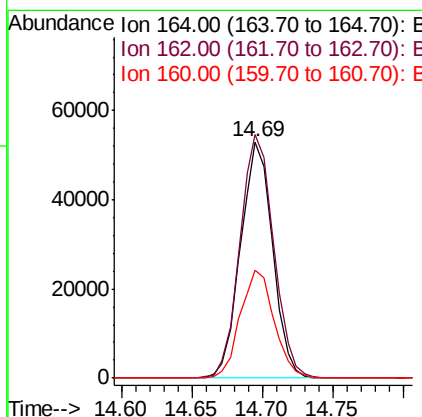
Manual Integrations
APPROVED

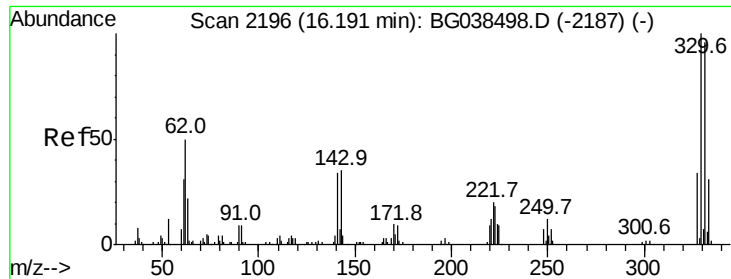
Sohil
12/14/2018 5:09:25 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.6	130.0
160	45.6	34.2	51.2





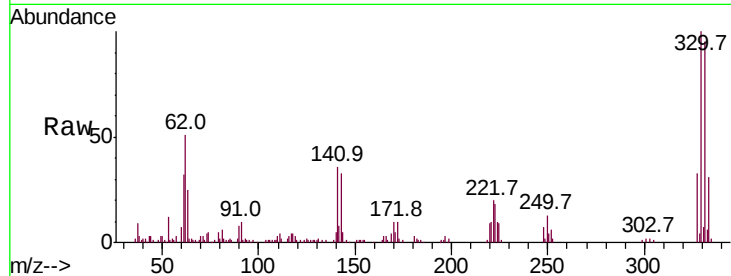
#42
 2,4,6-Tribromophenol
 Concen: 67.660 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG038567.D
 Acq: 14 Dec 2018 13:47

Instrument :
 BNA_G
 ClientSampleId :
 055_BT-1-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	38.1	28.8	43.2

Manual Integrations
 APPROVED

Sohil
 12/14/2018 5:09:25 PM

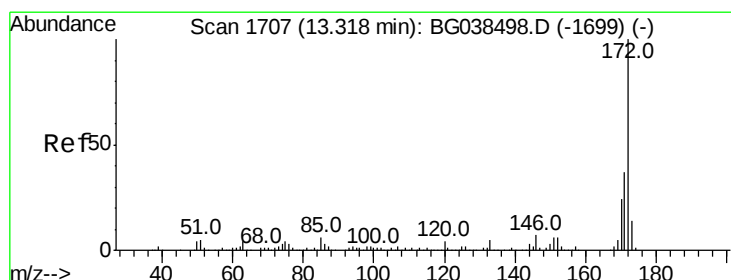
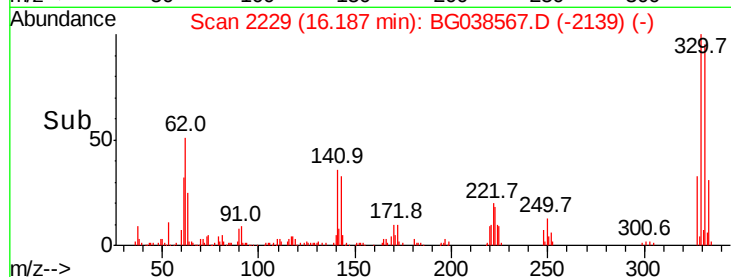
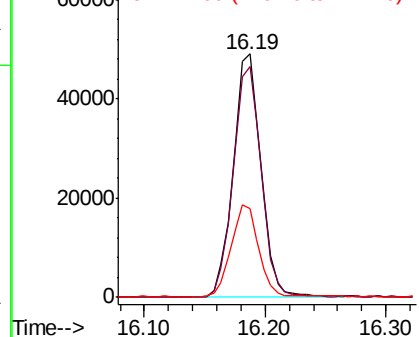


Abundance

Ion 329.80 (329.50 to 330.50): E

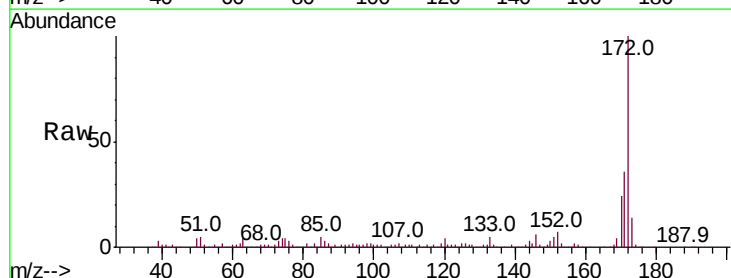
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 40.734 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: BG038567.D
 Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	23.9	19.5	29.3

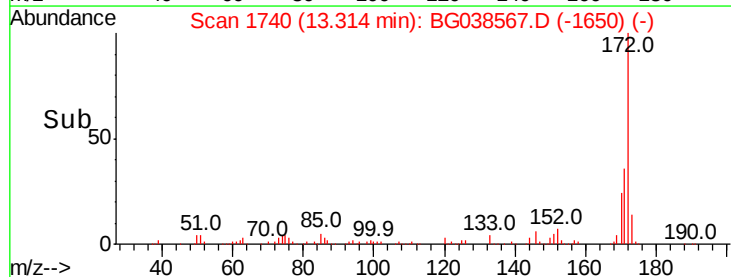
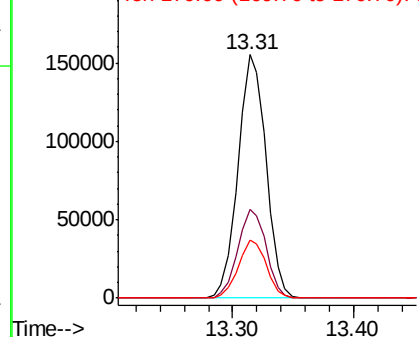


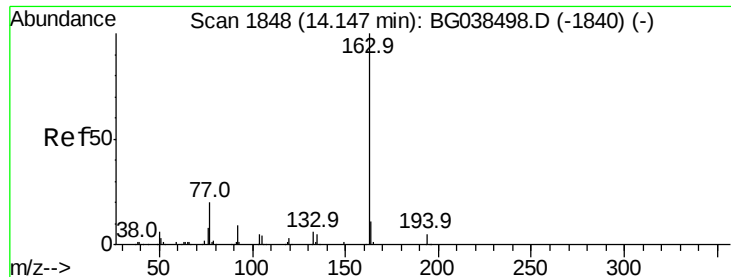
Abundance

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





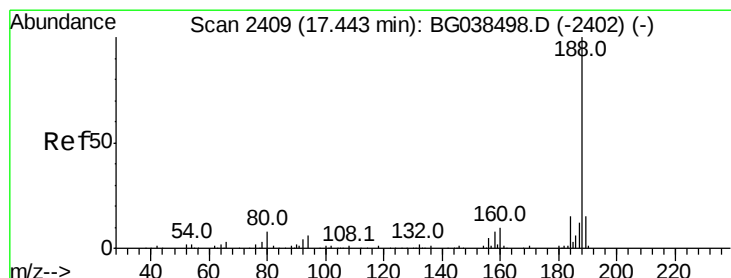
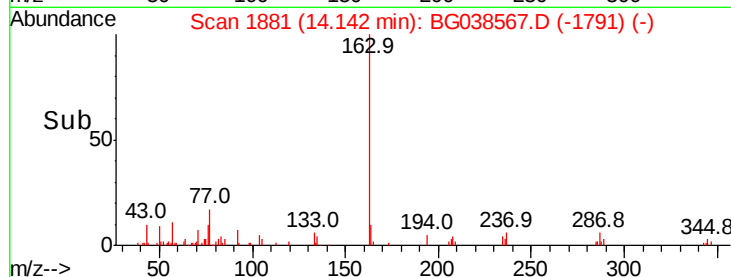
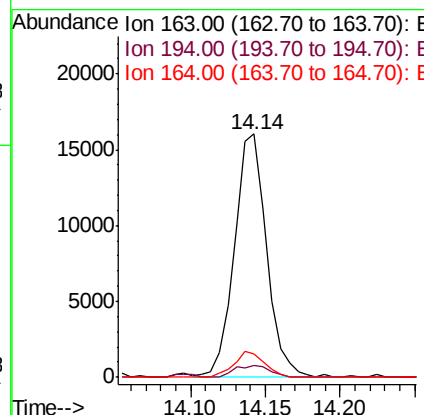
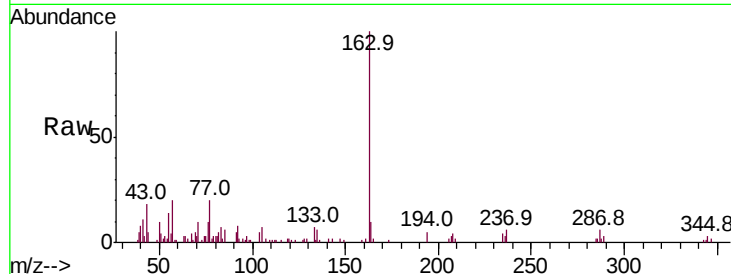
#50
Dimethylphthalate
Concen: 3.513 ng
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.7	5.5
164	9.6	8.6	12.8

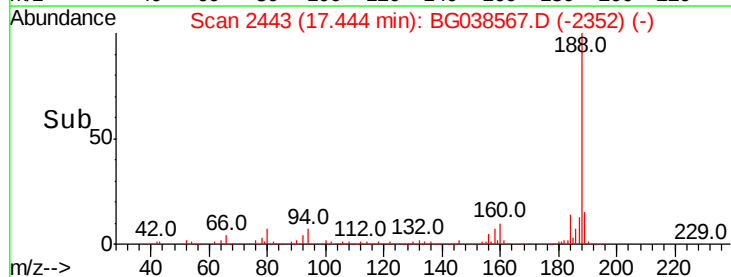
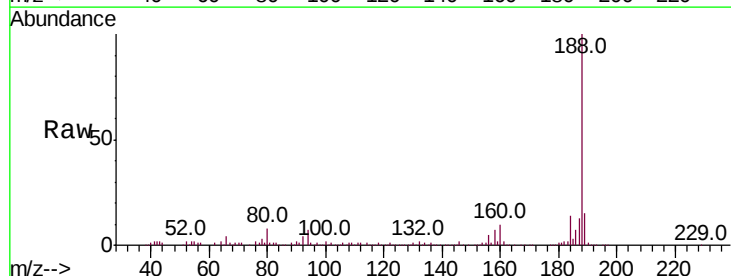
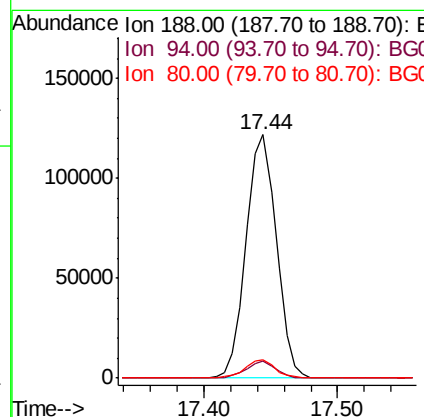
Manual Integrations
APPROVED

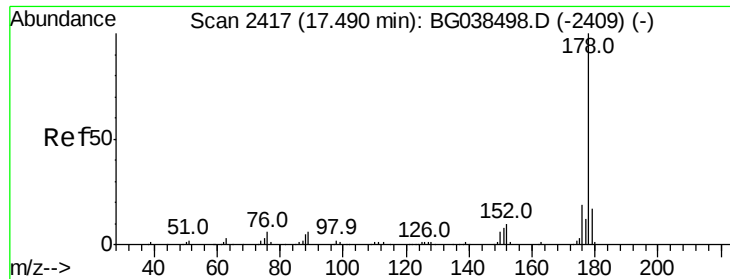
Sohil
12/14/2018 5:09:25 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.1	7.7
80	7.6	6.1	9.1





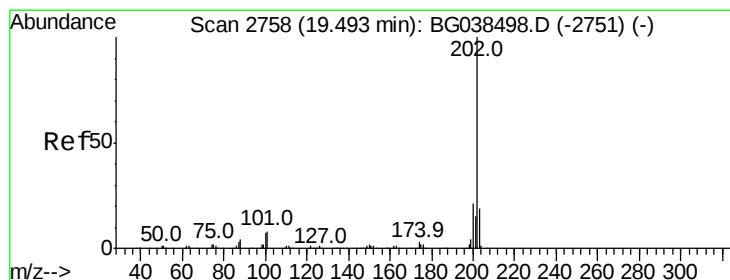
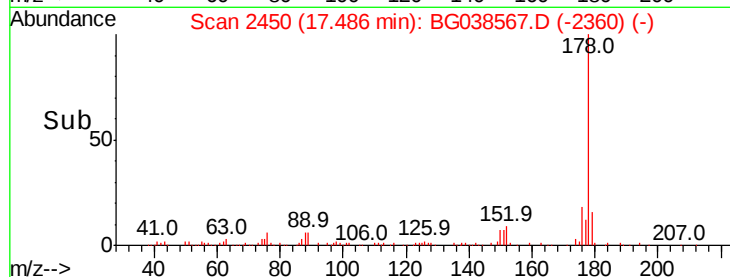
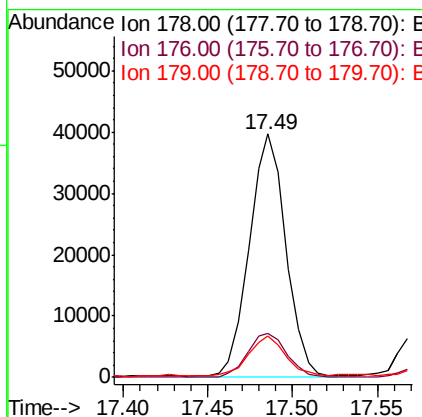
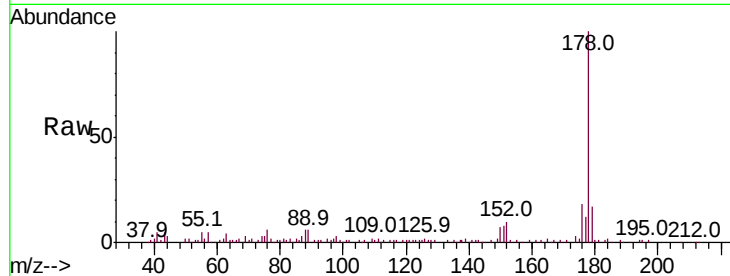
#71
Phenanthrene
Concen: 5.967 ng
RT: 17.49 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	17.2	13.2	19.8

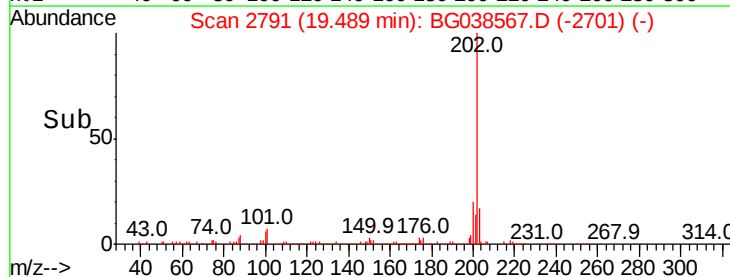
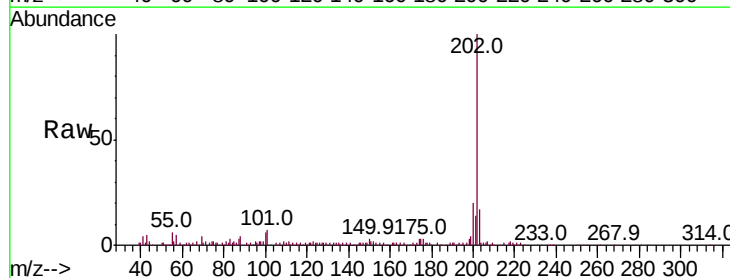
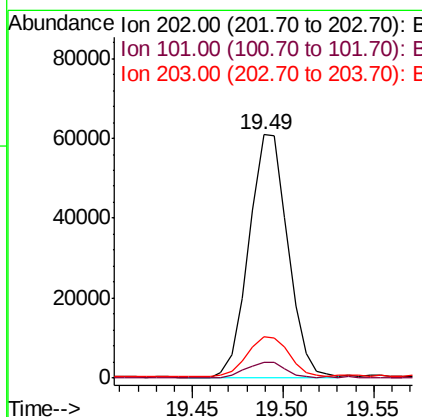
Manual Integrations
APPROVED

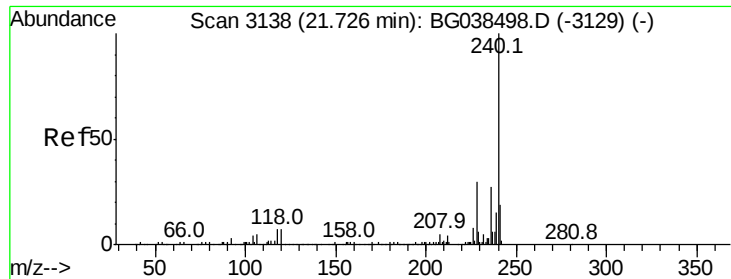
Sohil
12/14/2018 5:09:25 PM



#75
Fluoranthene
Concen: 7.452 ng
RT: 19.49 min Scan# 2791
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	28.1
203	17.2	0.0	39.0





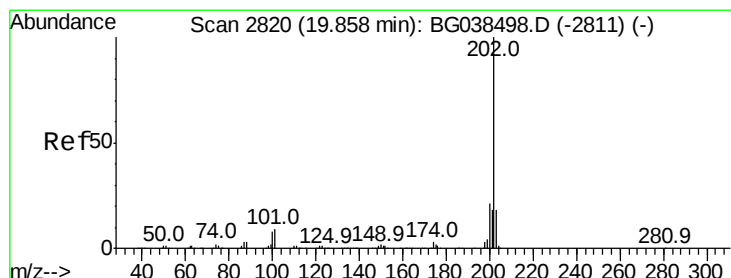
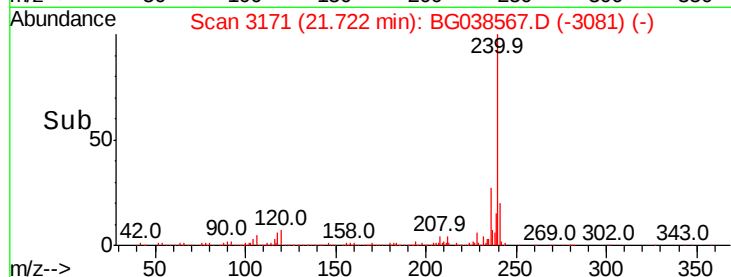
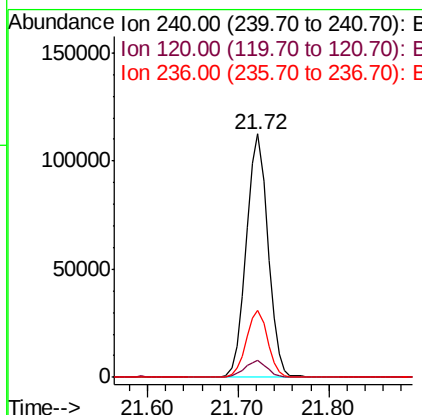
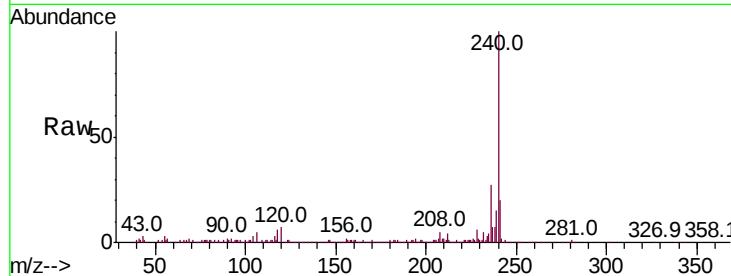
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.3	7.9
236	27.3	21.4	32.2

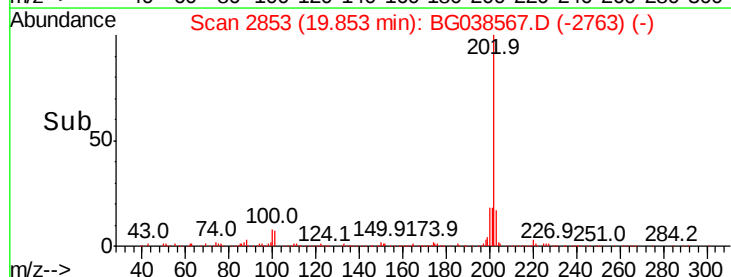
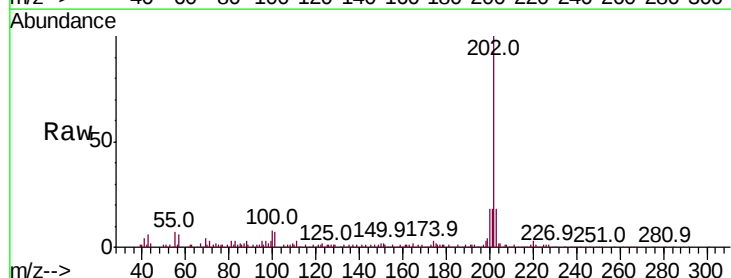
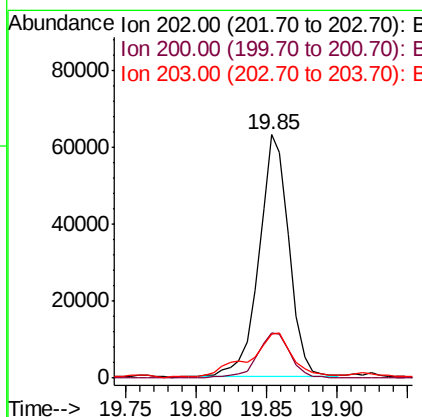
Manual Integrations
APPROVED

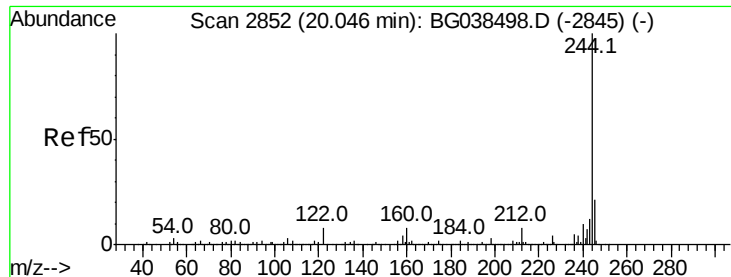
Sohil
12/14/2018 5:09:25 PM



#78
Pyrene
Concen: 7.621 ng
RT: 19.85 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.4	16.6	25.0
203	17.8	14.6	21.8





#79

Terphenyl-d14

Concen: 44.286 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_G

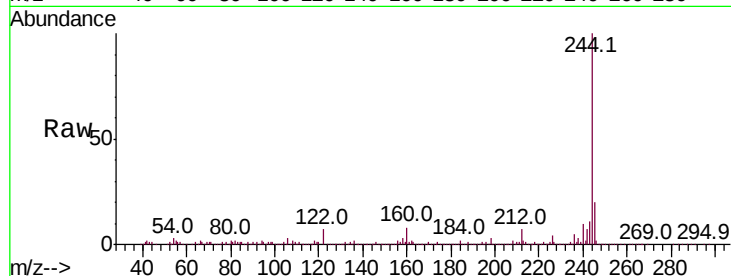
ClientSampleId :

055_BT-1-1

Tot Ion:	244	Resp:	379543
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	7.2	6.3	9.5

Manual Integrations
APPROVED

Sohil
12/14/2018 5:09:25 PM

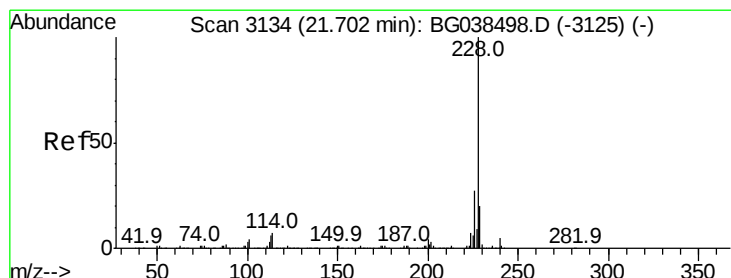
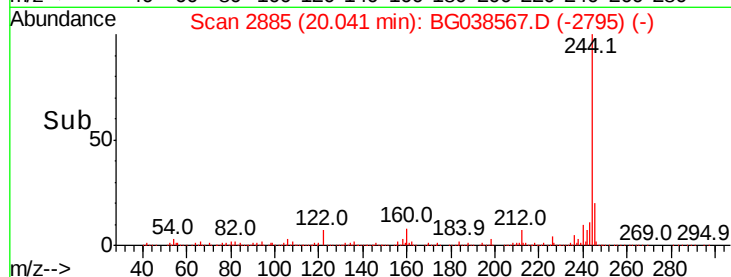
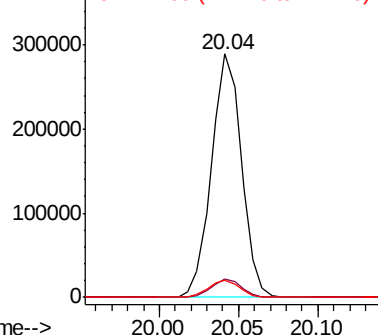


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.527 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

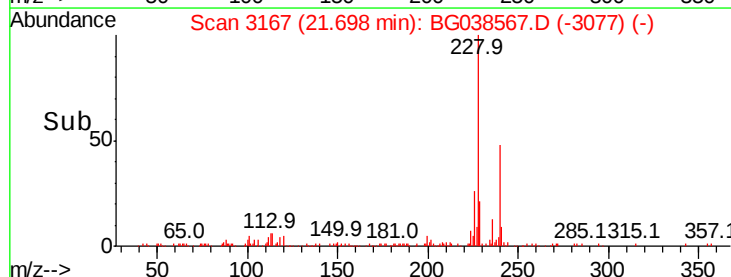
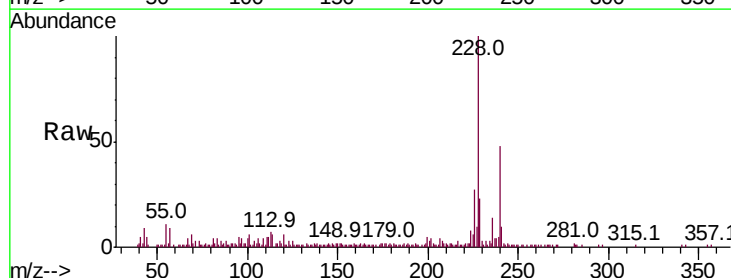
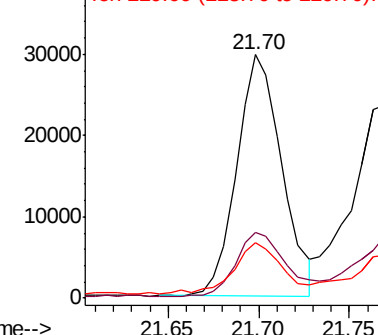
Tgt Ion:	228	Resp:	51457
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.8	32.8
229	22.7	15.8	23.6

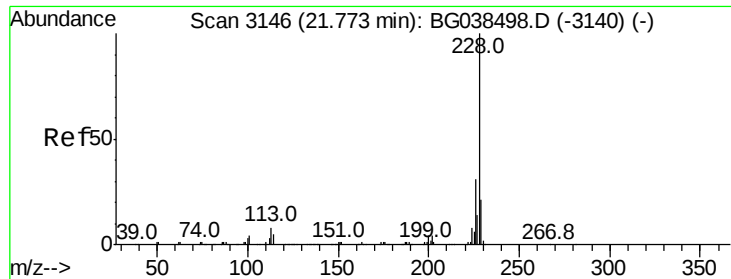
Abundance

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





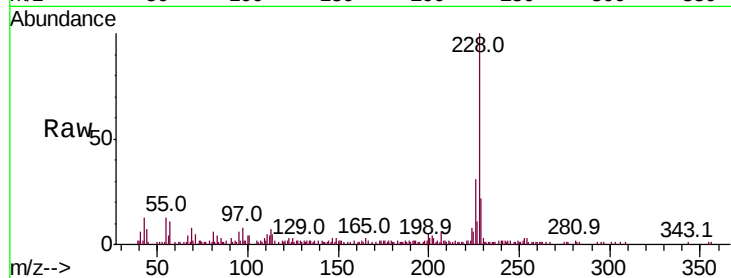
#83
Chrysene
Concen: 4.159 ng
RT: 21.77 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.4
229	22.5	16.5	24.7

Manual Integrations
APPROVED

Sohil
12/14/2018 5:09:25 PM

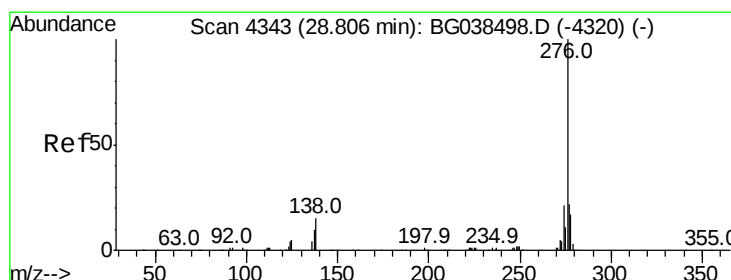
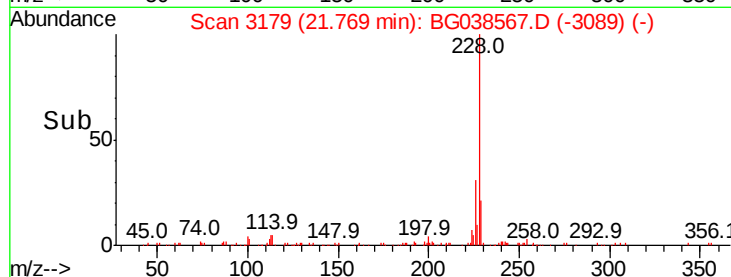
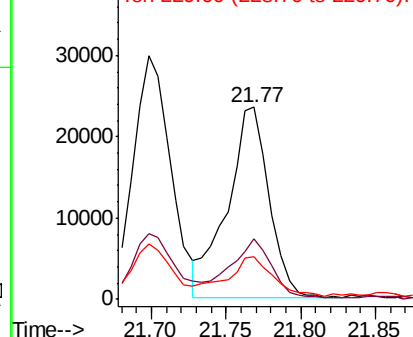


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.432 ng
RT: 28.79 min Scan# 4374
Delta R.T. -0.02 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

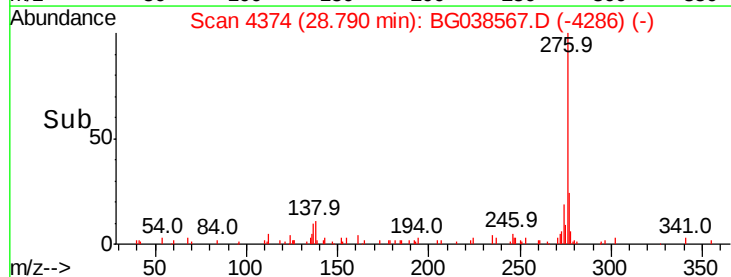
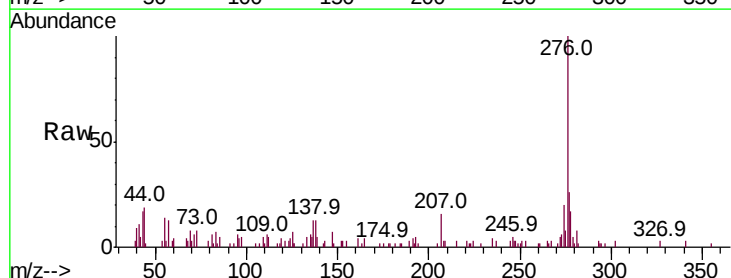
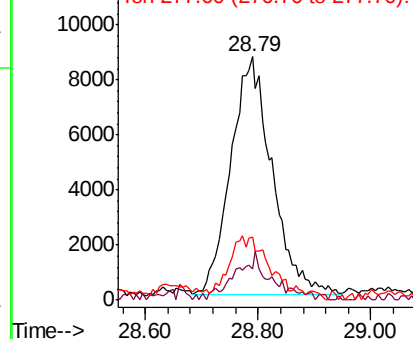
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.4	21.6
277	0.0	0.0	0.0

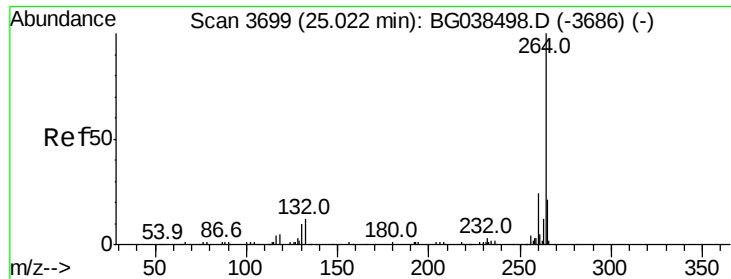
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3732

Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Instrument :

BNA_G

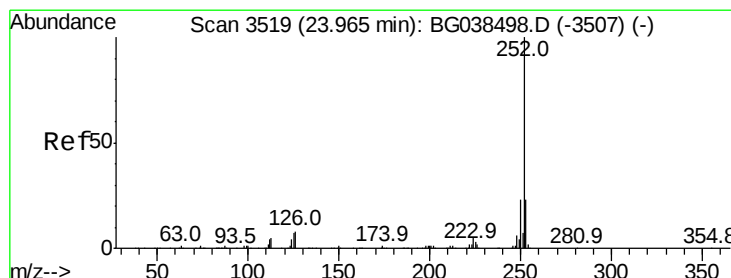
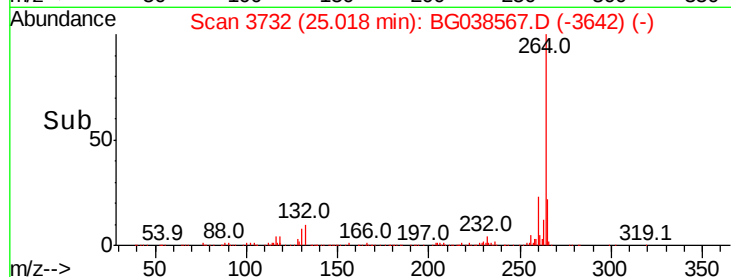
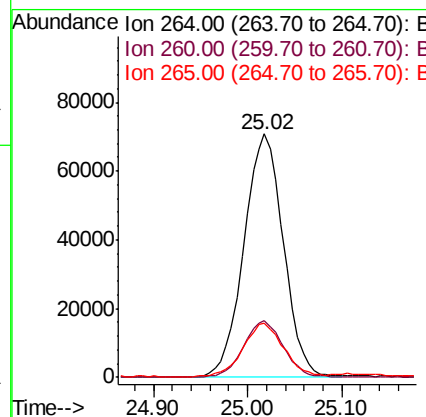
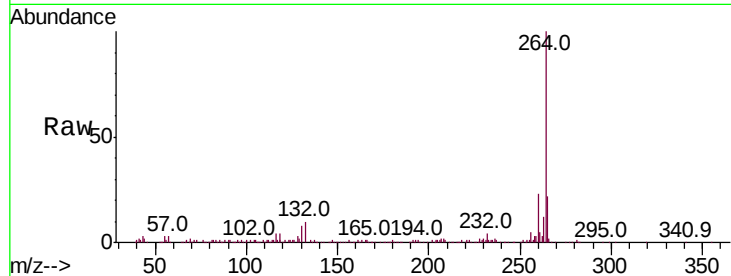
ClientSampleId :

055_BT-1-1

Tot Ion:	264	Resp:	205752
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.9	28.3
265	22.4	17.0	25.4

Manual Integrations
APPROVED

Sohil
12/14/2018 5:09:25 PM



#88

Benzo(b)fluoranthene

Concen: 6.629 ng

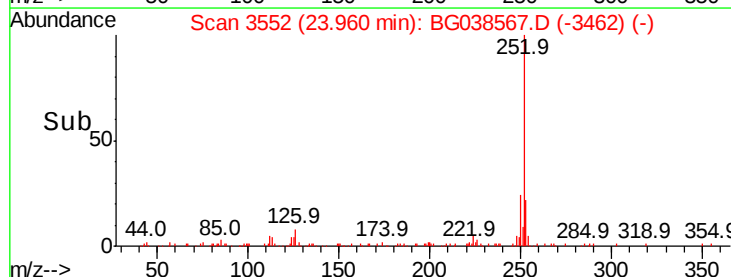
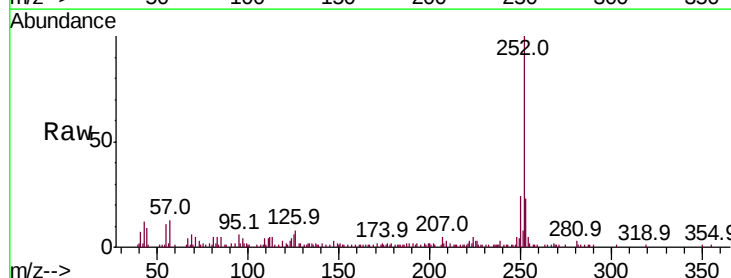
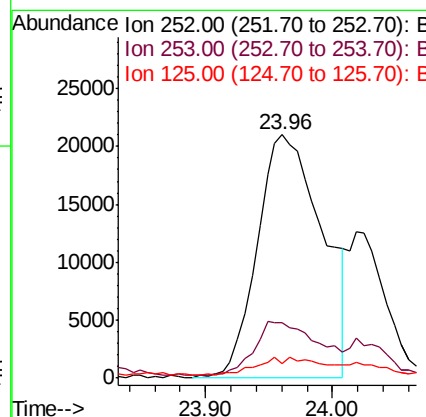
RT: 23.96 min Scan# 3552

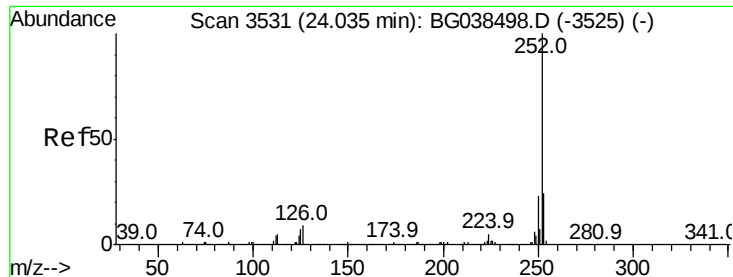
Delta R.T. -0.00 min

Lab File: BG038567.D

Acq: 14 Dec 2018 13:47

Tgt Ion:	252	Resp:	74880
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	6.1	5.5	8.3





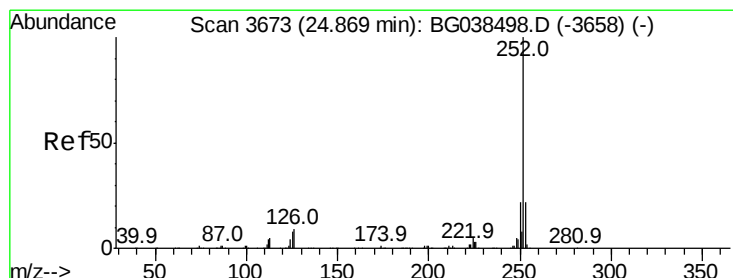
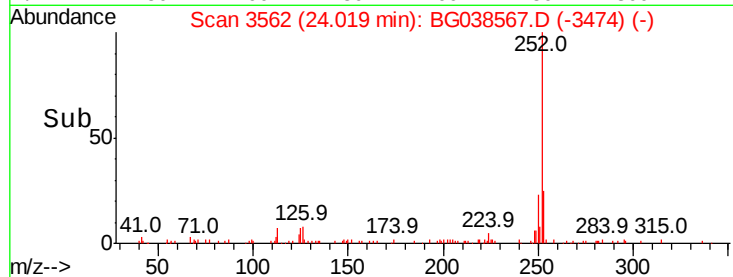
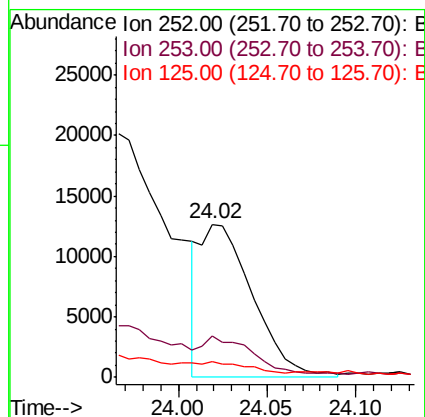
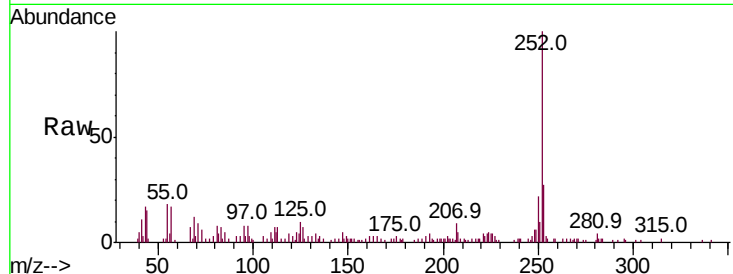
#89
Benzo(k)fluoranthene
Concen: 2.312 ng m
RT: 24.02 min Scan# 3562
Delta R.T. -0.02 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.9	28.3
125	10.4	5.4	8.2

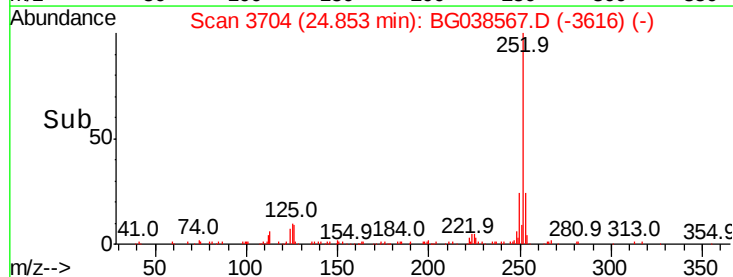
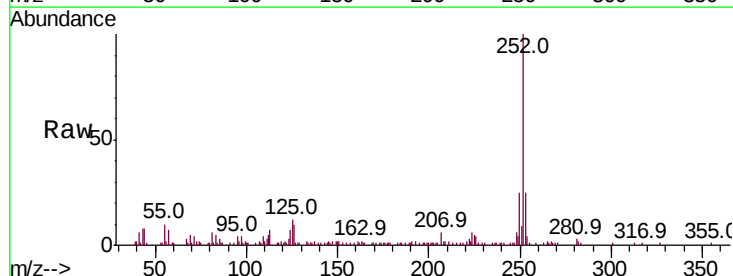
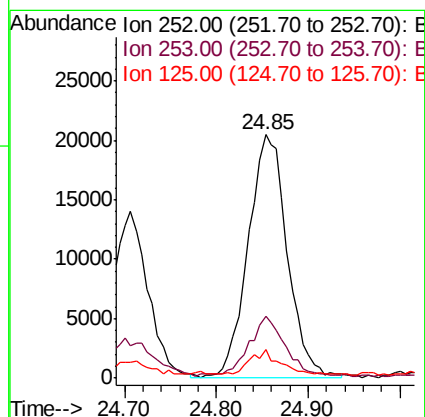
Manual Integrations
APPROVED

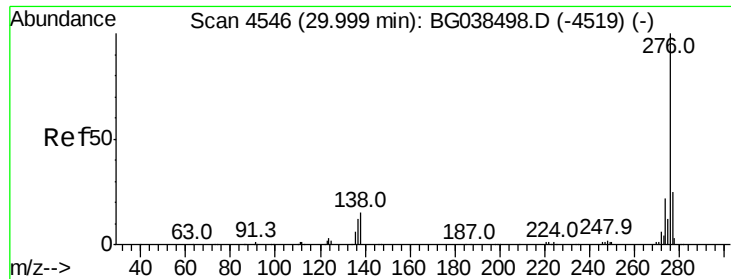
Sohil
12/14/2018 5:09:25 PM



#90
Benzo(a)pyrene
Concen: 5.582 ng m
RT: 24.85 min Scan# 3704
Delta R.T. -0.02 min
Lab File: BG038567.D
Acq: 14 Dec 2018 13:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.0
125	11.8	6.4	9.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.115 ng
 RT: 29.97 min Scan# 4575
 Delta R.T. -0.03 min
 Lab File: BG038567.D
 Acq: 14 Dec 2018 13:47

Instrument :
 BNA_G
 ClientSampleId :
 055_BT-1-1

Tot Ion:	276	Resp:	44000
Ion Ratio	Lower	Upper	
276	100		
277	20.5	19.8	29.8
138	14.5	11.8	17.6

Manual Integrations
 APPROVED

Sohil
 12/14/2018 5:09:25 PM

