

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
 Data File : BG028541.D
 Acq On : 29 Aug 2017 19:23
 Operator : SJ/JU
 Sample : I4960-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 5-POST1

Manual Integrations
 APPROVED

Sohil
 8/30/2017 6:48:43 PM

Quant Time: Aug 30 15:10:59 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 30 01:19:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	56253	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	220305m	20.00	ng/ul	0.18
35) Acenaphthene-d10	14.96	164	139553	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	309752	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	365942	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	362922	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.83	96	2608m	2.16	ng/uL	0.00
5) Phenol-d5	7.50	99	89234	14.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	71120	18.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	74268	19.06	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	82025	15.89	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	42697	24.79	ng/ul	0.02
22) 2-Nitrophenol-d4	10.29	143	54100m	28.64	ng/ul	0.05
26) 2,4-Dichlorophenol-d3	10.86	165	87921	22.50	ng/ul	0.07
29) 4-Chloroaniline-d4	11.38	131	109433	25.16	ng/ul	0.08
43) Dimethylphthalate-d6	14.35	166	296384	23.88	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	338480	24.19	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	30021	15.21	ng/ul	0.00
57) Fluorene-d10	15.95	176	245702	22.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	32038	15.92	ng/ul	0.00
70) Anthracene-d10	17.80	188	358110	24.11	ng/ul	0.00
76) Pyrene-d10	20.08	212	420518	22.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	379822	22.36	ng/ul	0.01

Target Compounds

					Qvalue
6) Phenol	7.53	94	9570	1.559	ng/ul 90
28) Naphthalene	11.37	128	133684	12.252	ng/ul 100
34) 2-Methylnaphthalene	12.81	142	9587	1.094	ng/ul 99
36) 1,2,4,5-Tetrachlorobenzene	13.19	216	2508986m	557.778	ng/ul
39) 2,4,5-Trichlorophenol	13.49	196	5769	1.888	ng/ul# 92
44) Dimethylphthalate	14.40	163	105355	9.219	ng/ul# 98
49) Acenaphthene	15.02	153	14041	1.556	ng/ul 91
53) Dibenzofuran	15.35	168	20300	1.543	ng/ul 89
58) Fluorene	16.00	166	27426	2.355	ng/ul 98
69) Phenanthrene	17.75	178	284596	18.257	ng/ul 98
71) Anthracene	17.84	178	32179m	2.020	ng/ul
72) Carbazole	18.11	167	18685	1.349	ng/ul# 76
74) Fluoranthene	19.75	202	425453	22.458	ng/ul 100
77) Pyrene	20.11	202	345841	15.841	ng/ul# 96
80) Benzo(a)anthracene	22.02	228	77058	3.644	ng/ul# 82
81) Bis(2-ethylhexyl)phthalate	21.86	149	62282	5.354	ng/ul# 93
82) Chrysene	22.09	228	146256	7.681	ng/ul# 91
85) Benzo(b)fluoranthene	24.44	252	140273m	6.459	ng/ul
86) Benzo(k)fluoranthene	24.49	252	43969m	2.073	ng/ul
88) Benzo(a)pyrene	25.40	252	90085	4.284	ng/ul# 91
89) Indeno(1,2,3-cd)pyrene	29.59	276	55037	2.235	ng/ul# 96
91) Benzo(g,h,i)perylene	30.87	276	44953	2.219	ng/ul# 86

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
5-POST1

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM

Quant Time: Aug 30 15:10:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 30 01:19:11 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

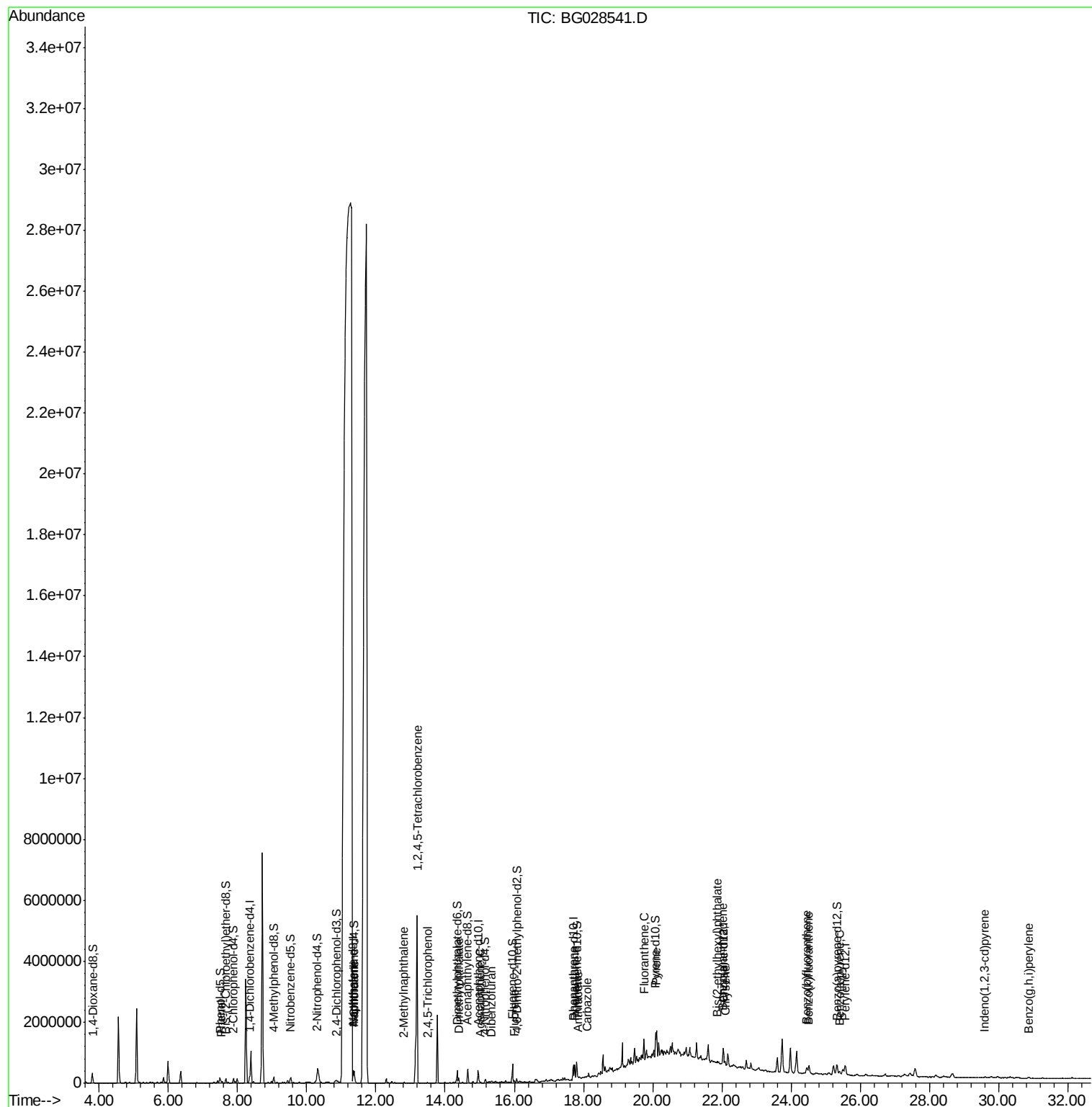
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082917\
Data File : BG028541.D
Acq On : 29 Aug 2017 19:23
Operator : SJ/JU
Sample : I4960-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

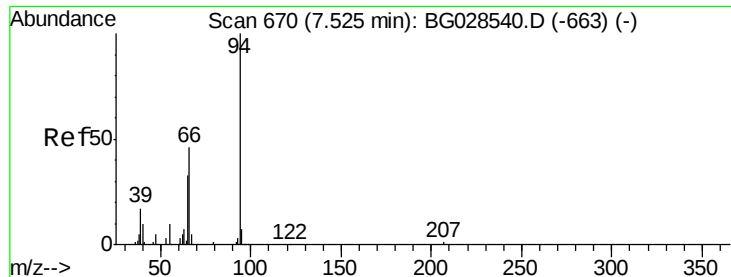
Instrument :
BNA_G
ClientSampleId :
5-POST1

Quant Time: Aug 30 15:10:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 30 01:19:11 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM





#6

Phenol

Concen: 1.559 ng/ul

RT: 7.53 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Instrument :

BNA_G

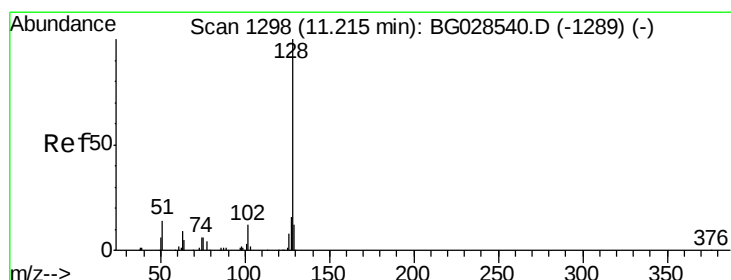
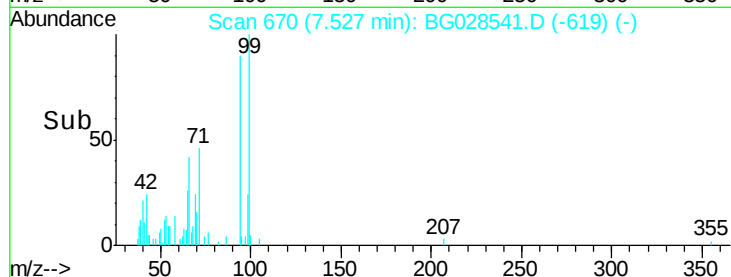
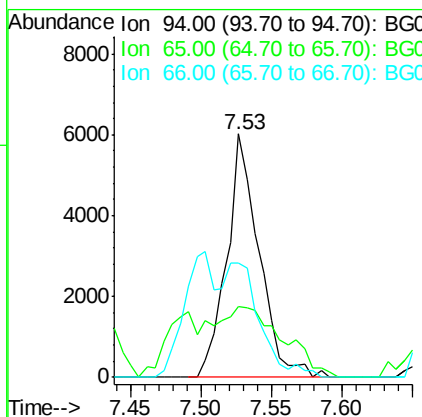
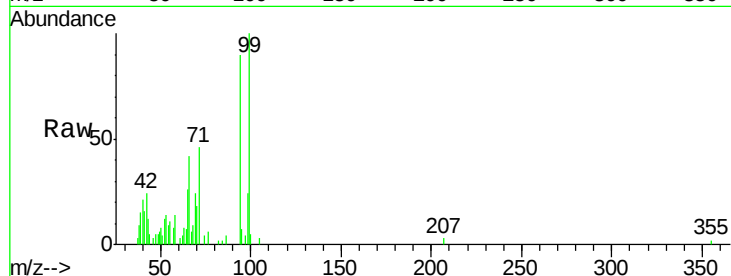
ClientSampleId :

5-POST1

Tgt Ion:	94	Resp:	9570
Ion	Ratio	Lower	Upper
94	100		
65	29.0	26.8	40.2
66	46.7	44.4	66.6

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM



#28

Naphthalene

Concen: 12.252 ng/ul

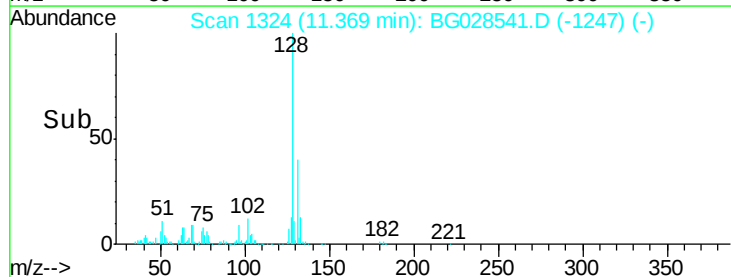
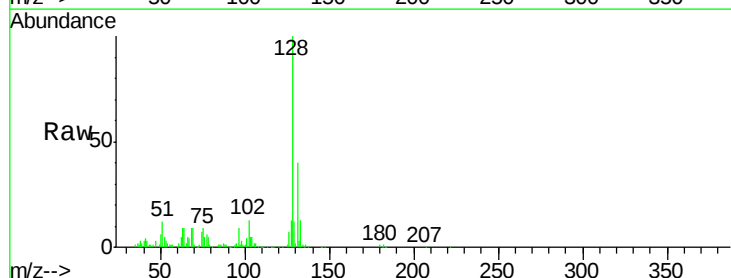
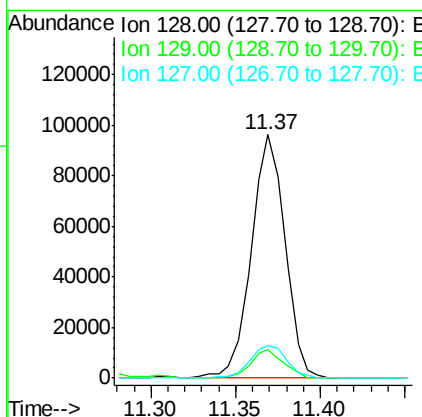
RT: 11.37 min Scan# 1324

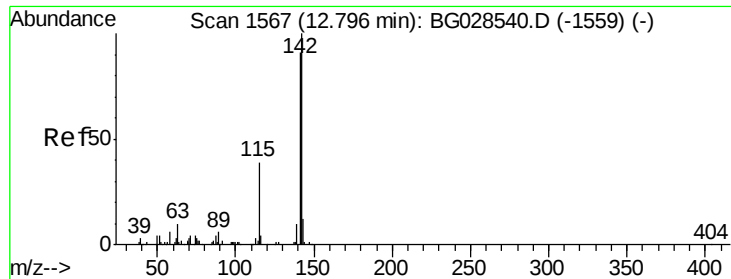
Delta R.T. 0.15 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Tgt Ion:	128	Resp:	133684
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.1	10.3	15.5





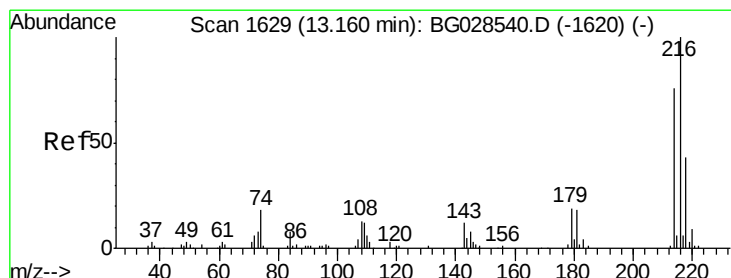
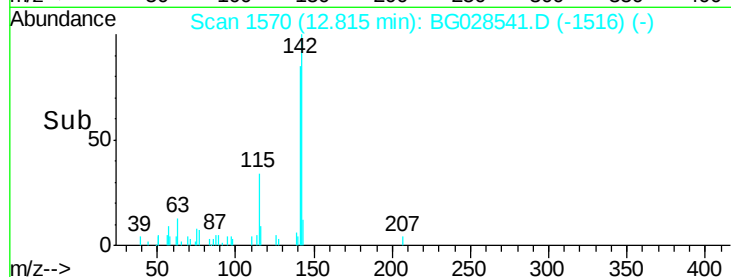
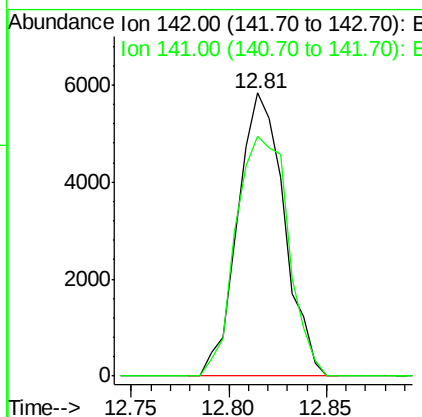
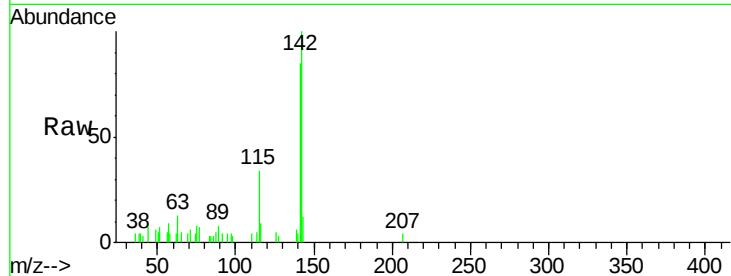
#34
 2-Methylnaphthalene
 Concen: 1.094 ng/ul
 RT: 12.81 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: BG028541.D
 Acq: 29 Aug 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 5-POST1

Tgt Ion:142 Resp: 9587
 Ion Ratio Lower Upper
 142 100
 141 84.9 68.6 102.8

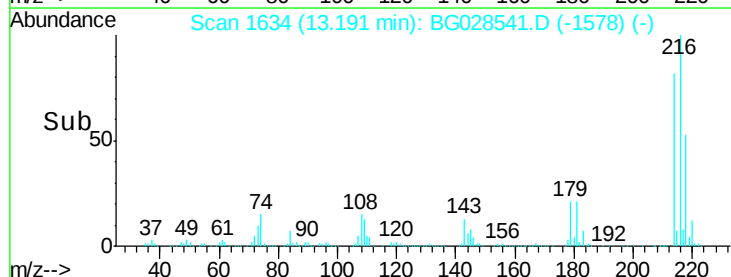
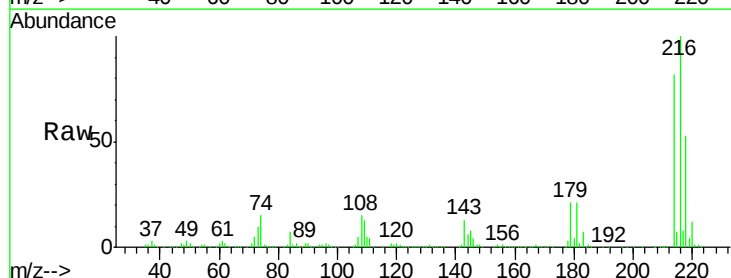
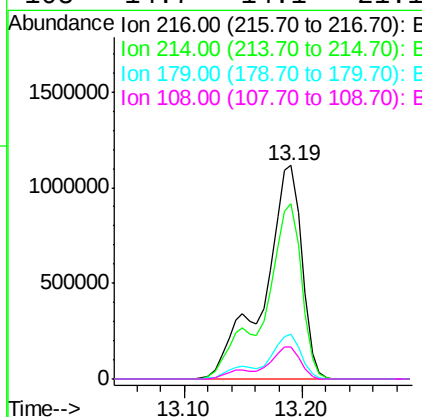
Manual Integrations
 APPROVED

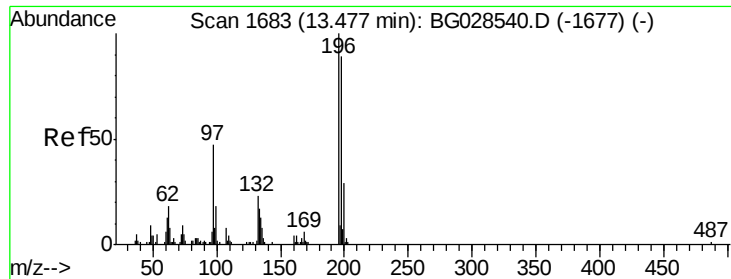
Sohil
 8/30/2017 6:48:43 PM



#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 557.778 ng/ul m
 RT: 13.19 min Scan# 1634
 Delta R.T. 0.03 min
 Lab File: BG028541.D
 Acq: 29 Aug 2017 19:23

Tgt Ion:216 Resp: 2508986
 Ion Ratio Lower Upper
 216 100
 214 81.8 67.0 100.6
 179 20.9 18.1 27.1
 108 14.7 14.1 21.1





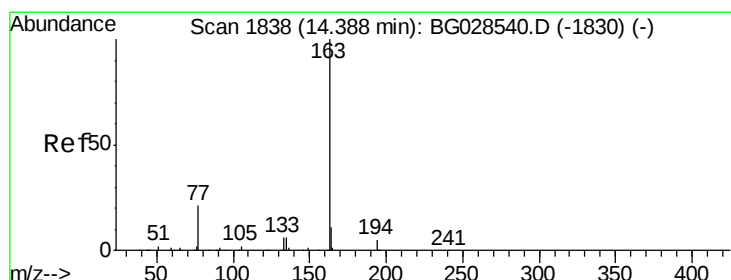
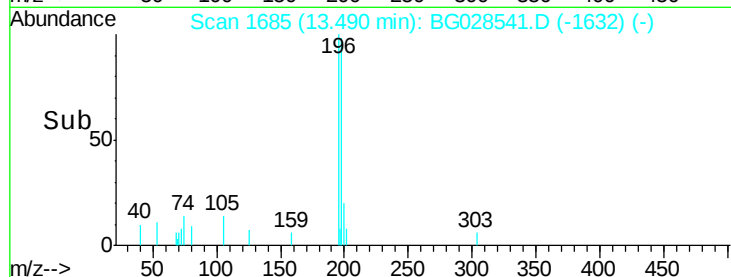
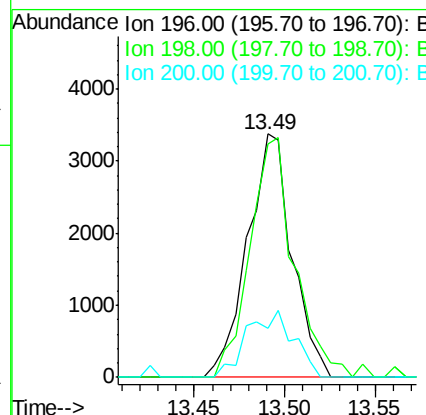
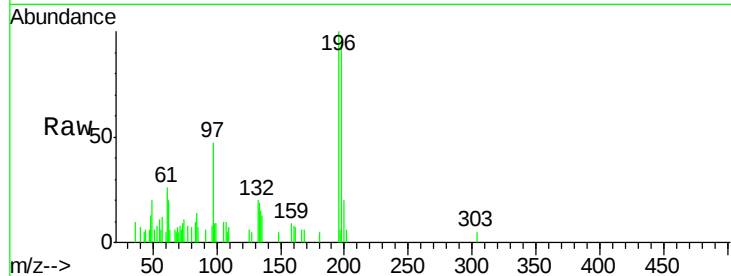
#39
 2,4,5-Trichlorophenol
 Concen: 1.888 ng/ul
 RT: 13.49 min Scan# 1685
 Delta R.T. 0.01 min
 Lab File: BG028541.D
 Acq: 29 Aug 2017 19:23

Instrument :
 BNA_G
 ClientSampleId :
 5-POST1

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.6	118.0
200	20.0	27.3	40.9#

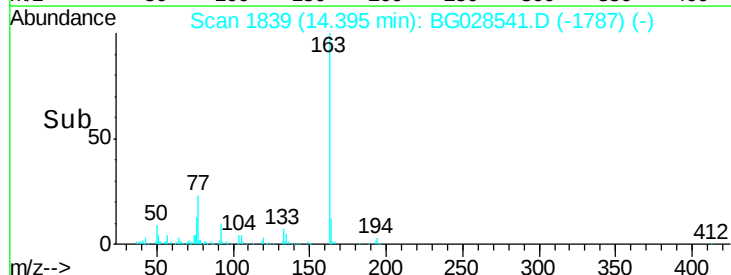
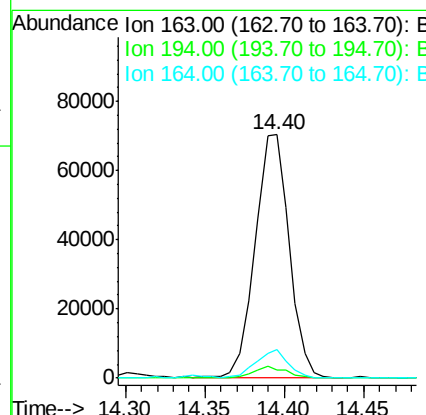
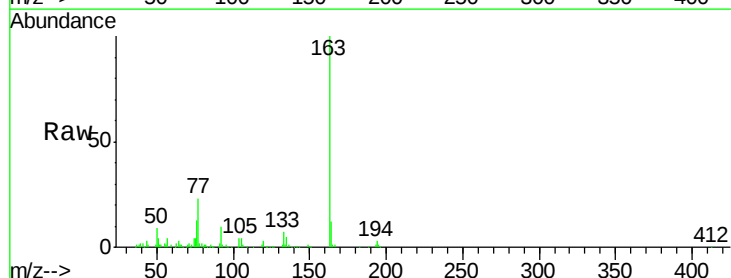
Manual Integrations
 APPROVED

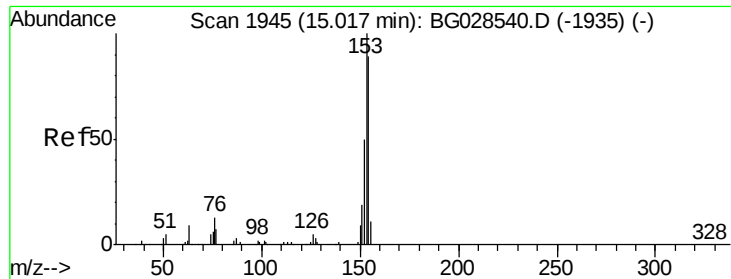
Sohil
 8/30/2017 6:48:43 PM



#44
 Dimethylphthalate
 Concen: 9.219 ng/ul
 RT: 14.40 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BG028541.D
 Acq: 29 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.4	5.0#
164	11.7	9.0	13.4





#49

Acenaphthene

Concen: 1.556 ng/ul

RT: 15.02 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Instrument :

BNA_G

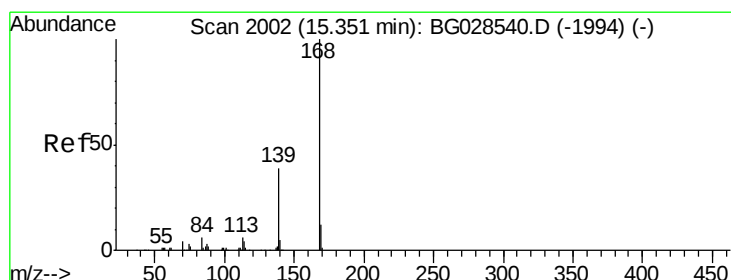
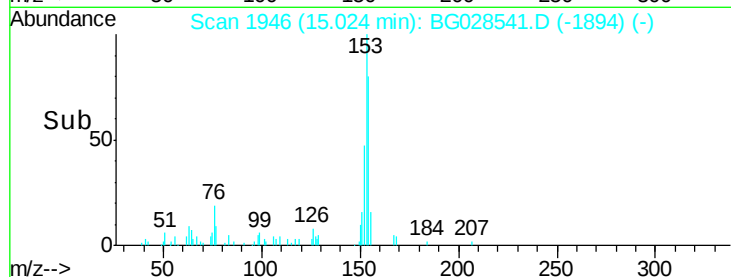
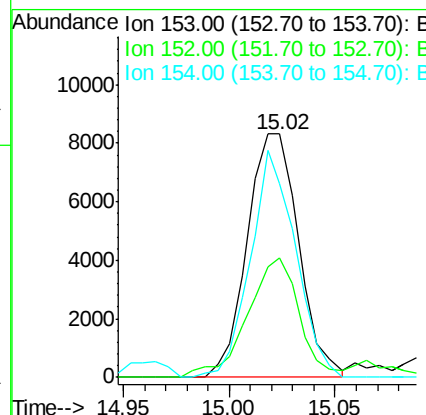
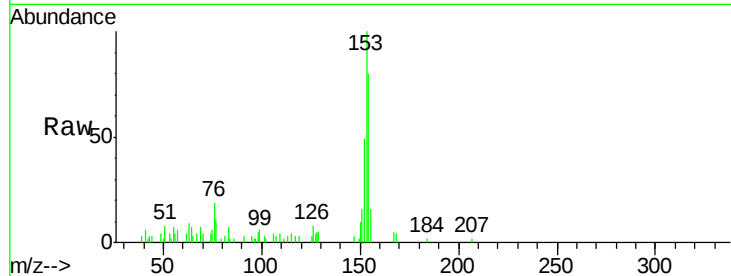
ClientSampled :

5-POST1

Tgt Ion:	153	Resp:	14041
Ion Ratio	Lower	Upper	
153	100		
152	49.2	36.5	54.7
154	79.6	72.3	108.5

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM



#53

Dibenzofuran

Concen: 1.543 ng/ul

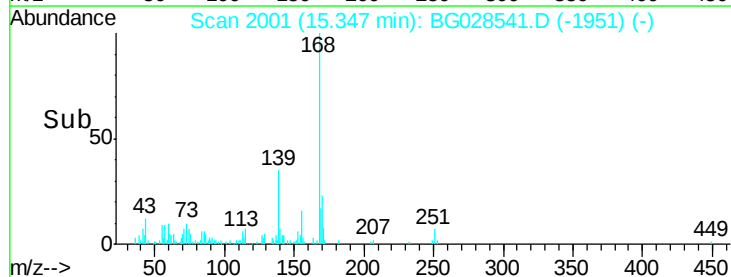
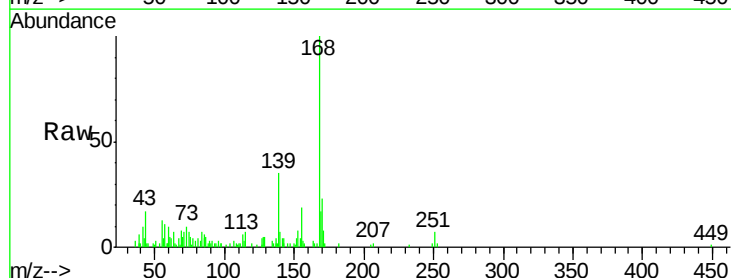
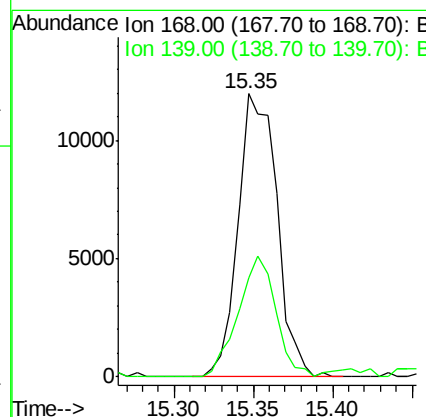
RT: 15.35 min Scan# 2001

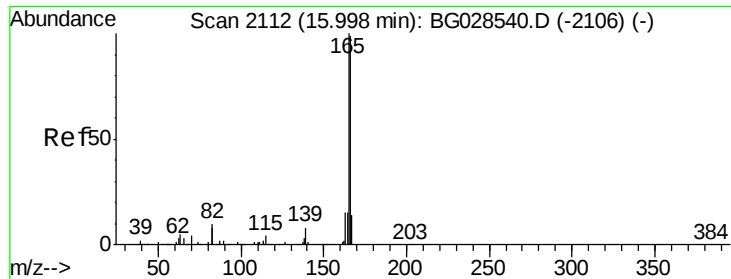
Delta R.T. -0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Tgt Ion:	168	Resp:	20300
Ion Ratio	Lower	Upper	
168	100		
139	35.1	33.8	50.8





#58

Fluorene

Concen: 2.355 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Instrument :

BNA_G

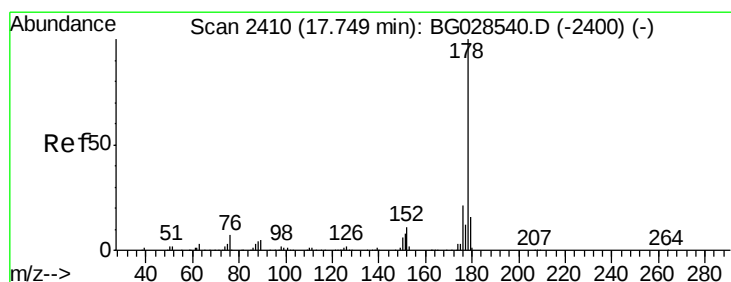
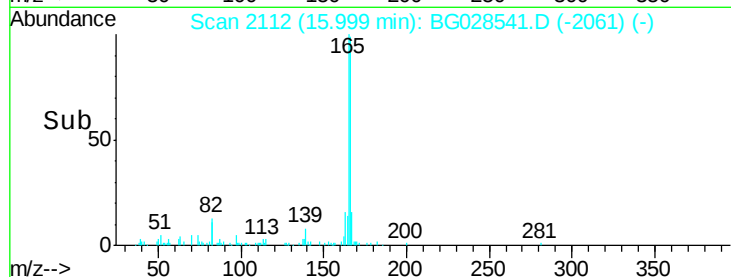
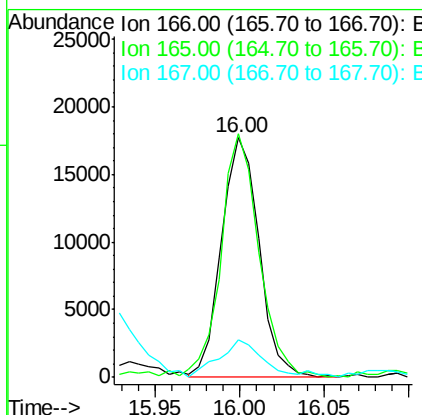
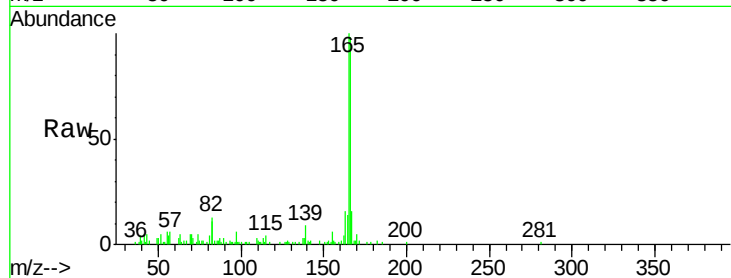
ClientSampled :

5-POST1

Tgt Ion:	166	Resp:	27426
Ion Ratio	Lower	Upper	
166	100		
165	101.8	79.7	119.5
167	15.8	11.4	17.2

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM



#69

Phenanthrene

Concen: 18.257 ng/ul

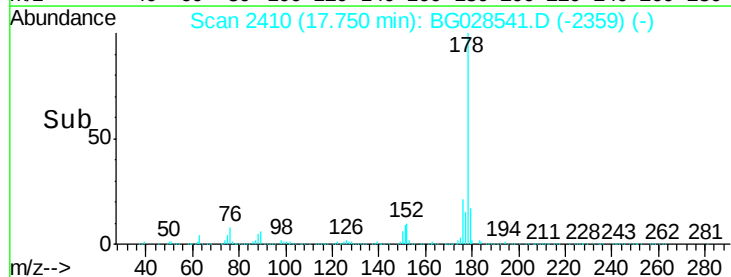
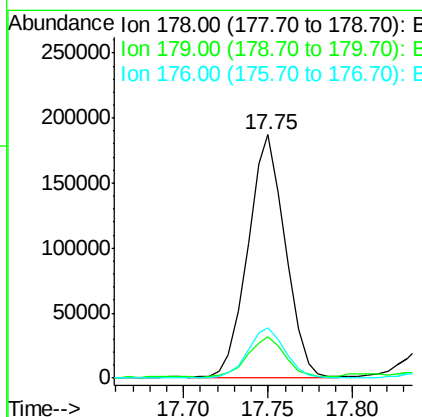
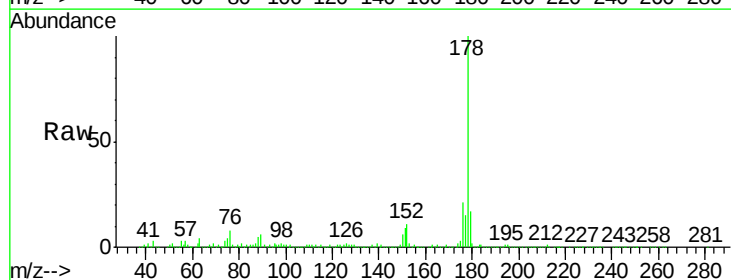
RT: 17.75 min Scan# 2410

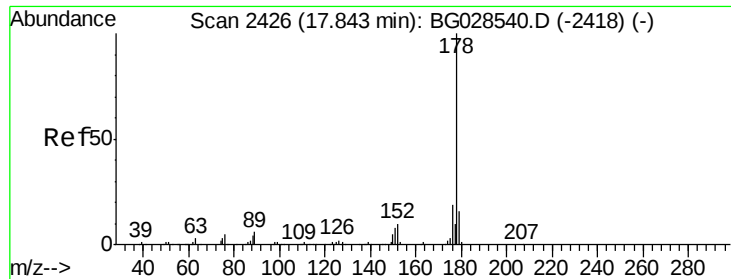
Delta R.T. 0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Tgt Ion:	178	Resp:	284596
Ion Ratio	Lower	Upper	
178	100		
179	17.2	12.4	18.6
176	20.7	16.5	24.7





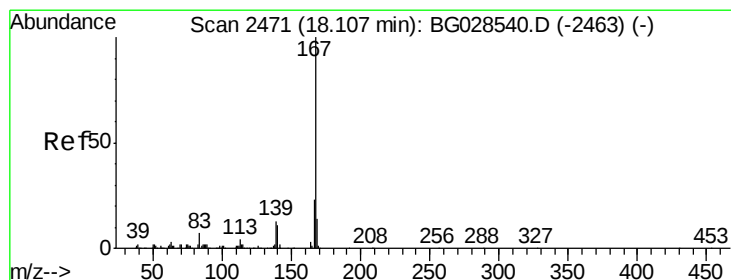
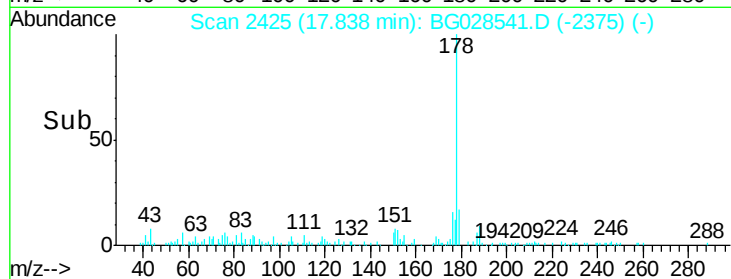
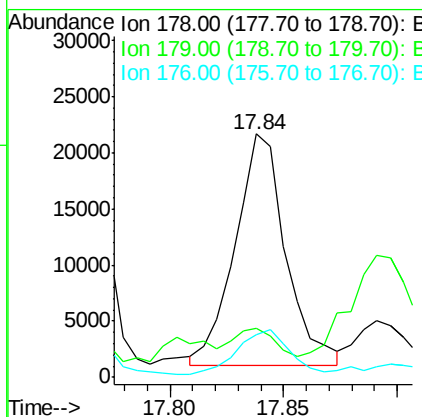
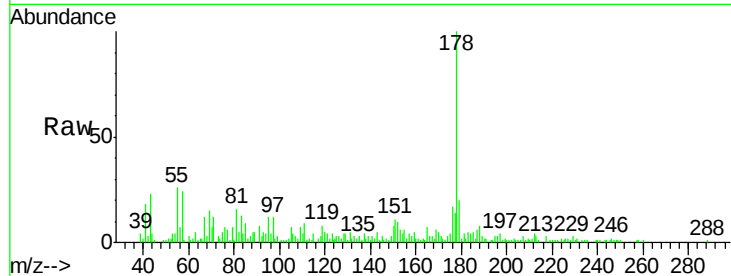
#71
 Anthracene
 Concen: 2.020 ng/ul m
 RT: 17.84 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BG028541.D
 Acq: 29 Aug 2017 19:23

Instrument :
 BNA_G
 ClientSampled :
 5-POST1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.3	12.6	19.0#
176	17.3	15.9	23.9

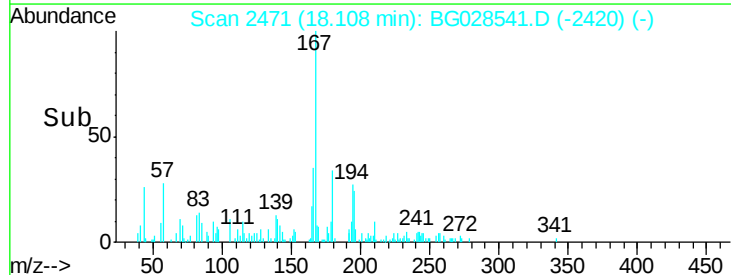
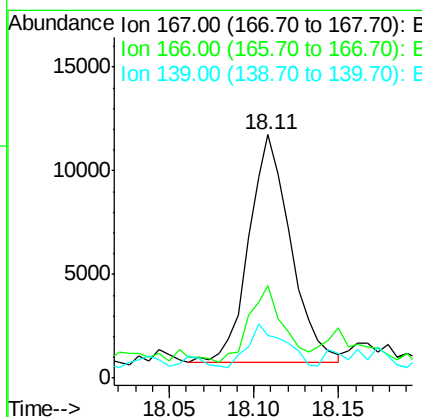
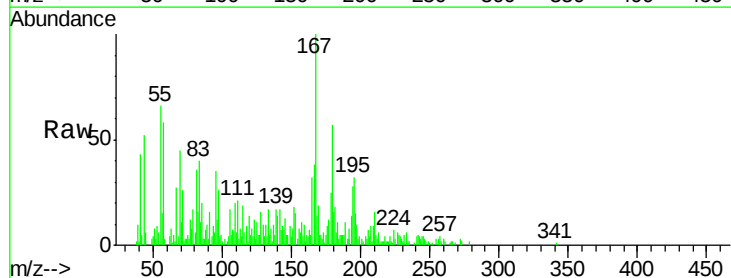
Manual Integrations
 APPROVED

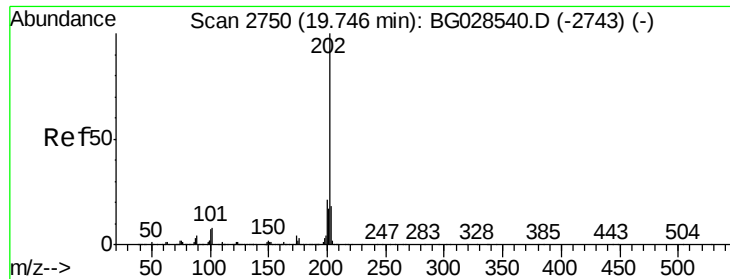
Sohil
 8/30/2017 6:48:43 PM



#72
 Carbazole
 Concen: 1.349 ng/ul
 RT: 18.11 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: BG028541.D
 Acq: 29 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	37.8	17.9	26.9#
139	17.3	10.5	15.7#





#74

Fluoranthene

Concen: 22.458 ng/ul

RT: 19.75 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Instrument :

BNA_G

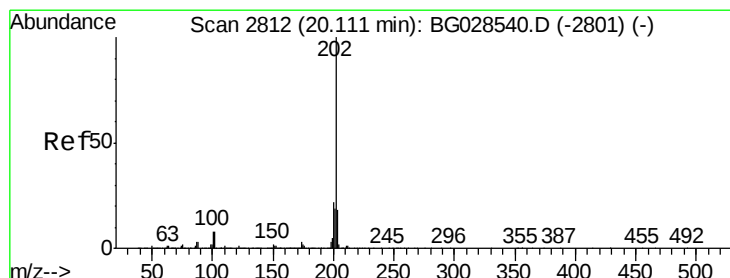
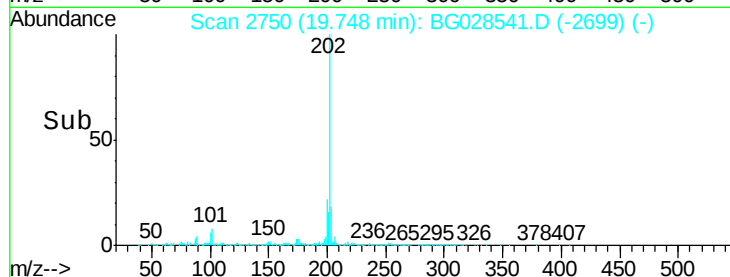
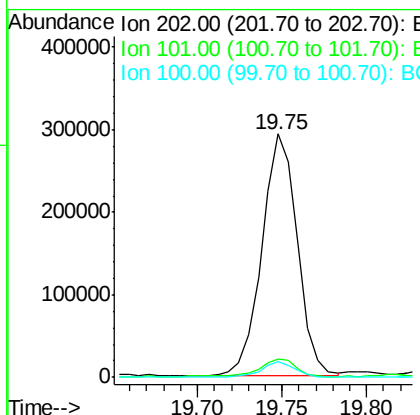
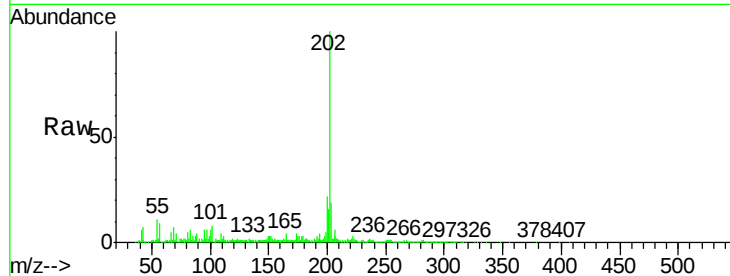
ClientSampleId :

5-POST1

Tgt	Ion	202	Resp:	425453
	Ion	Ratio	Lower	Upper
202	100			
101	7.6	6.2	9.2	
100	6.2	5.2	7.8	

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM



#77

Pyrene

Concen: 15.841 ng/ul

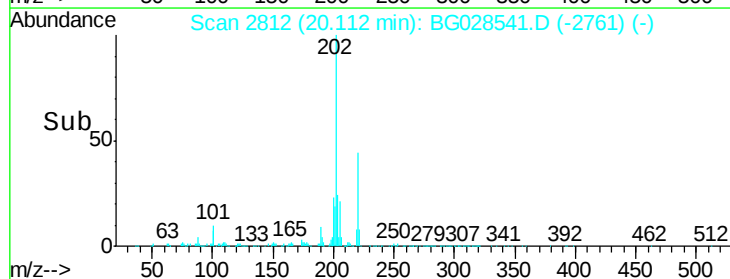
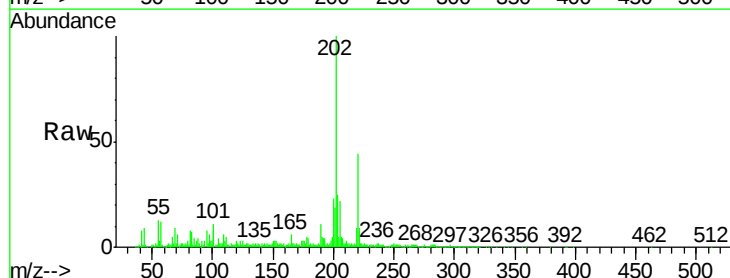
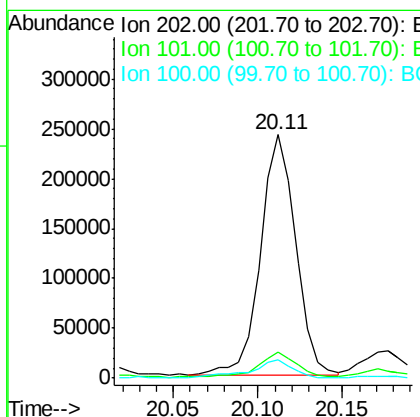
RT: 20.11 min Scan# 2812

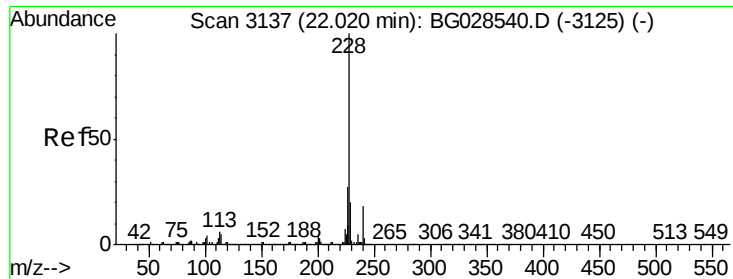
Delta R.T. 0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Tgt	Ion	202	Resp:	345841
	Ion	Ratio	Lower	Upper
202	100			
101	10.8	6.9	10.3#	
100	7.5	6.6	10.0	





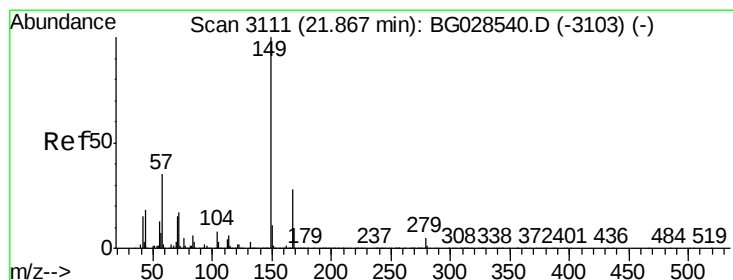
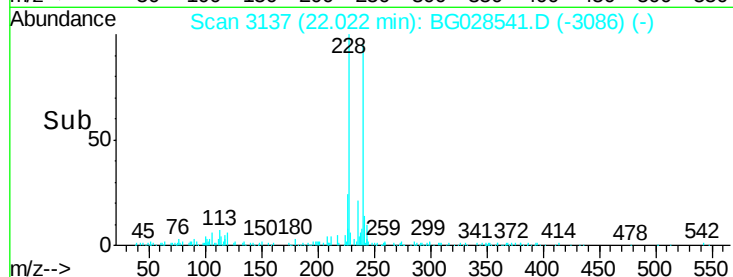
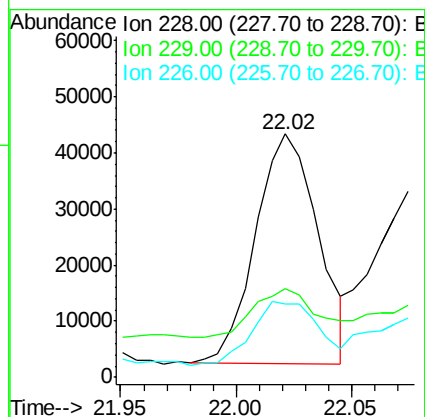
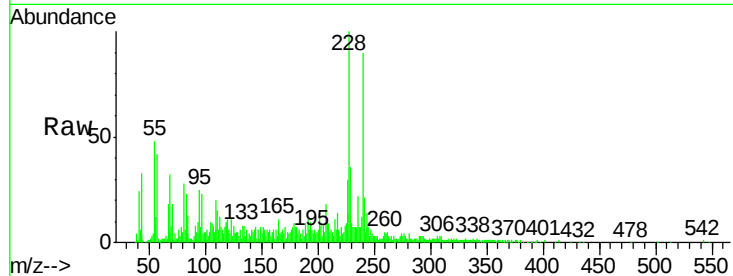
#80
Benzo(a)anthracene
Concen: 3.644 ng/ul
RT: 22.02 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BG028541.D
Acq: 29 Aug 2017 19:23

Instrument :
BNA_G
ClientSampleId :
5-POST1

Tgt Ion	Ratio	Lower	Upper
228	100		
229	36.4	16.3	24.5#
226	30.0	21.9	32.9

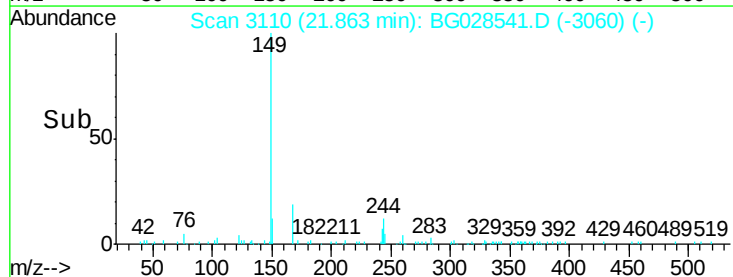
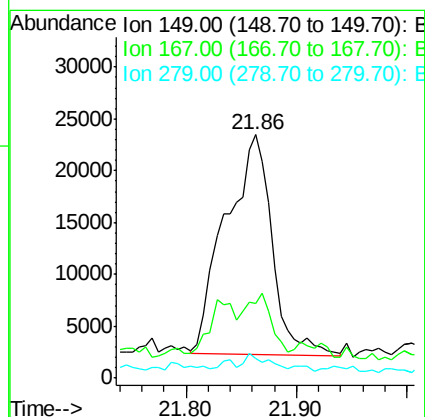
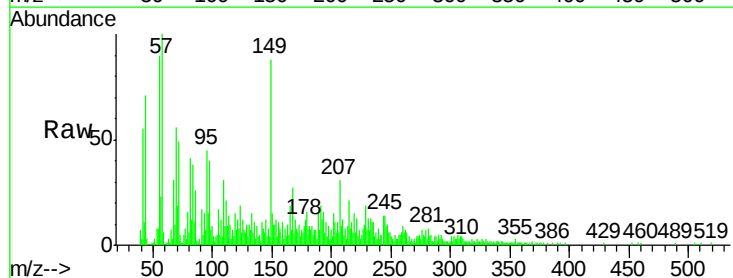
Manual Integrations
APPROVED

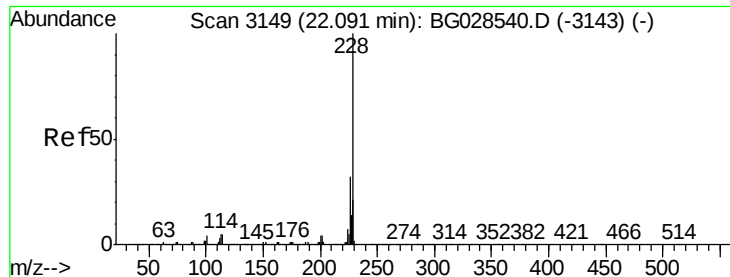
Sohil
8/30/2017 6:48:43 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 5.354 ng/ul
RT: 21.86 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BG028541.D
Acq: 29 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.7	21.8	32.8
279	7.8	4.5	6.7#





#82

Chrysene

Concen: 7.681 ng/ul

RT: 22.09 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Instrument :

BNA_G

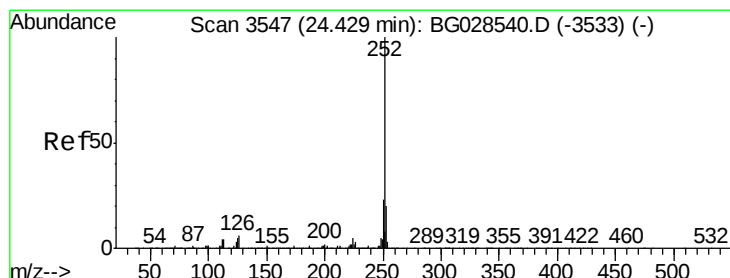
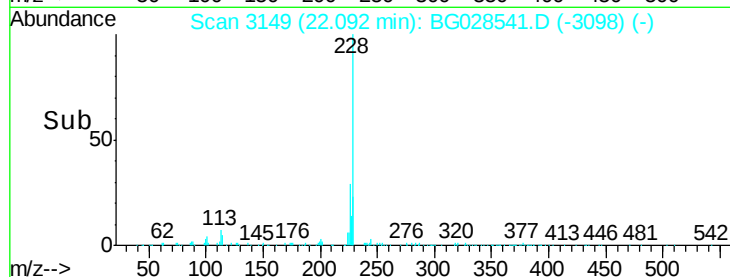
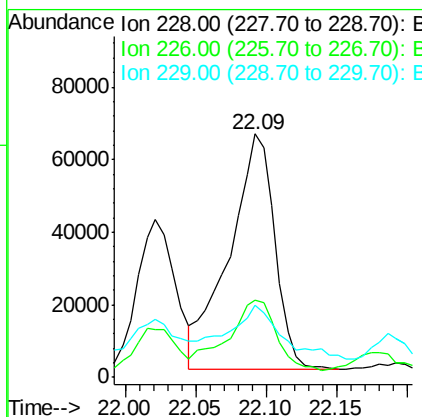
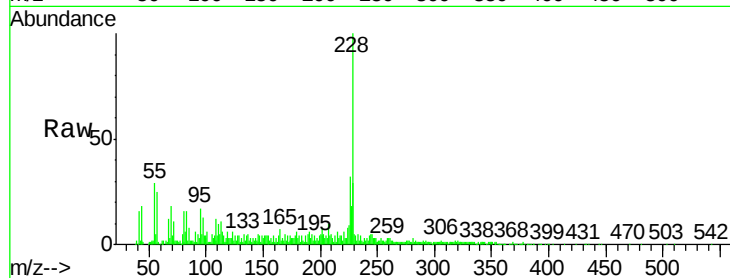
ClientSampled :

5-POST1

Tgt Ion:	228	Resp:	146256
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.0	36.0
229	29.4	16.9	25.3#

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM



#85

Benzo(b)fluoranthene

Concen: 6.459 ng/ul m

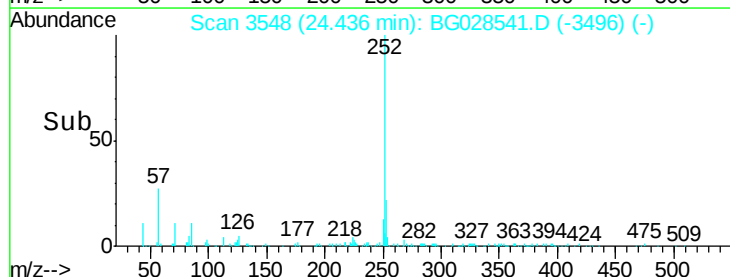
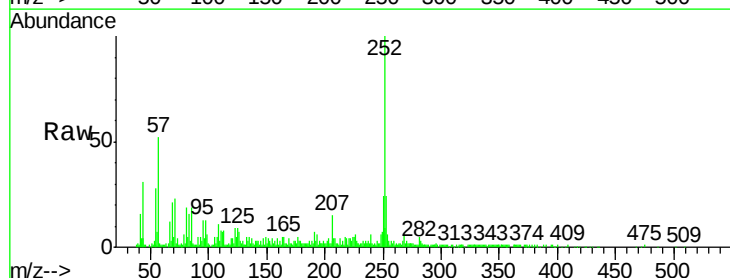
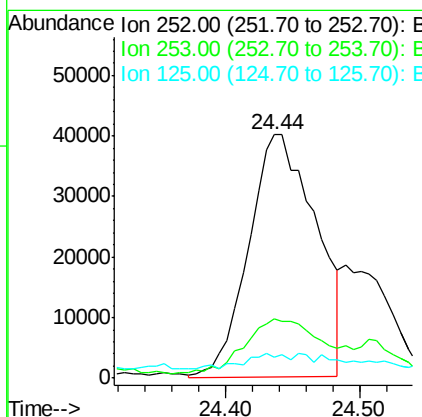
RT: 24.44 min Scan# 3548

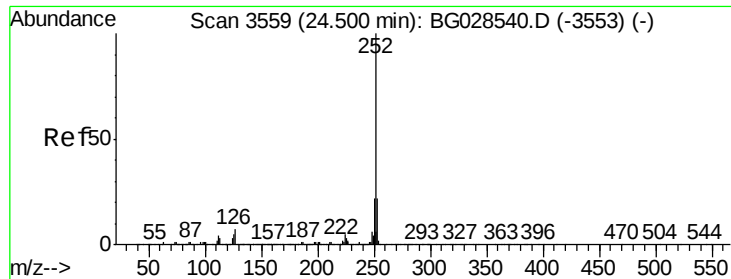
Delta R.T. 0.01 min

Lab File: BG028541.D

Acq: 29 Aug 2017 19:23

Tgt Ion:	252	Resp:	140273
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.7	26.5
125	8.6	4.0	6.0#





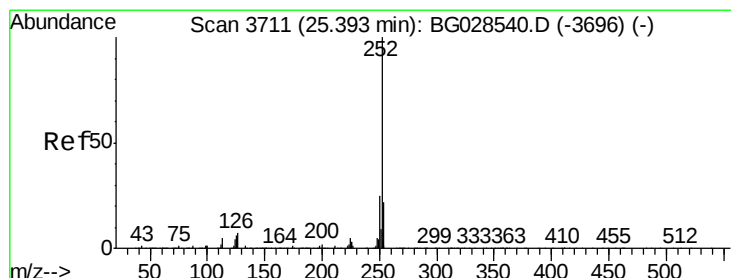
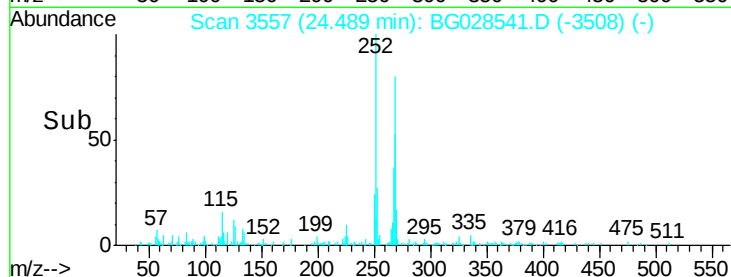
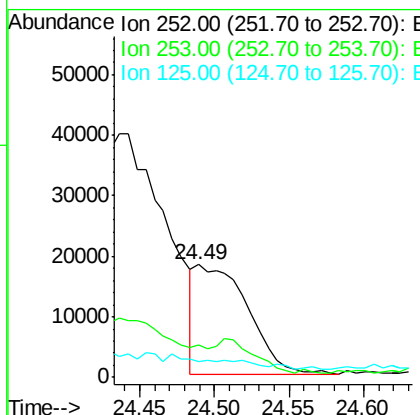
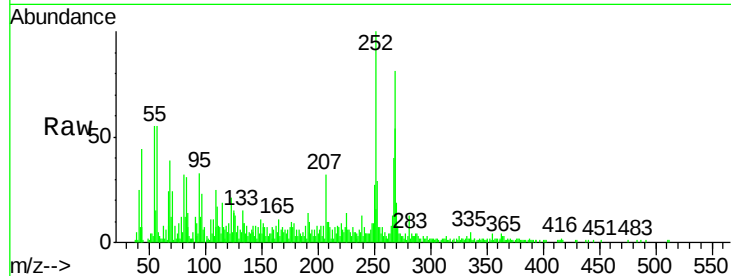
#86
Benzo(k)fluoranthene
Concen: 2.073 ng/ul m
RT: 24.49 min Scan# 3557
Delta R.T. -0.01 min
Lab File: BG028541.D
Acq: 29 Aug 2017 19:23

Instrument :
BNA_G
ClientSampleId :
5-POST1

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43969		
253	28.7	18.5	27.7#	
125	13.5	4.1	6.1#	

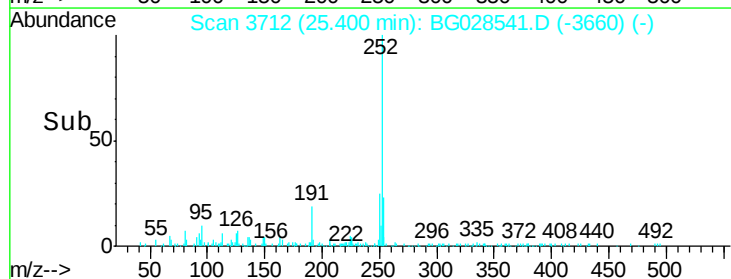
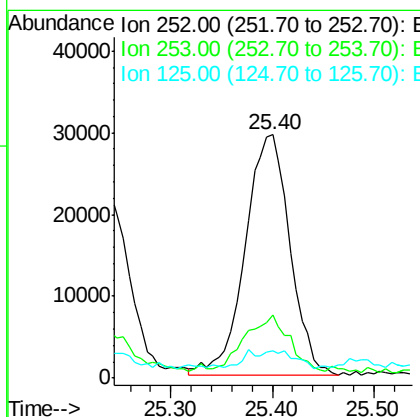
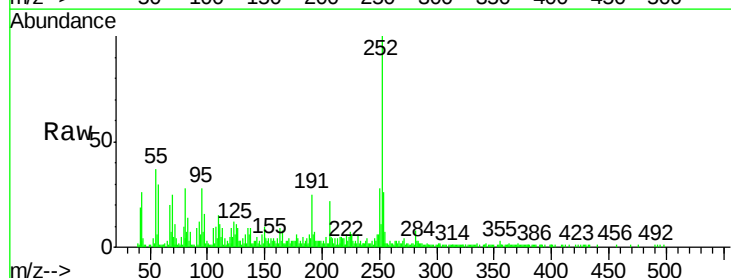
Manual Integrations
APPROVED

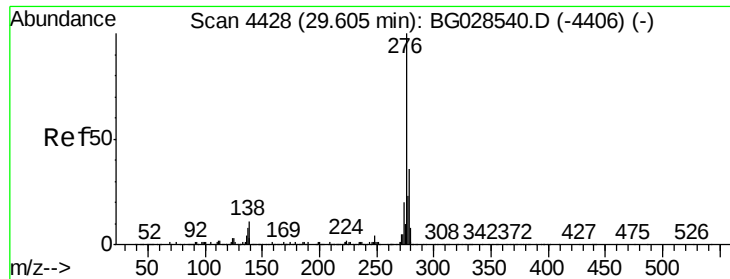
Sohil
8/30/2017 6:48:43 PM



#88
Benzo(a)pyrene
Concen: 4.284 ng/ul
RT: 25.40 min Scan# 3712
Delta R.T. 0.01 min
Lab File: BG028541.D
Acq: 29 Aug 2017 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	90085		
253	25.8	17.8	26.6	
125	11.2	5.4	8.0#	





#89

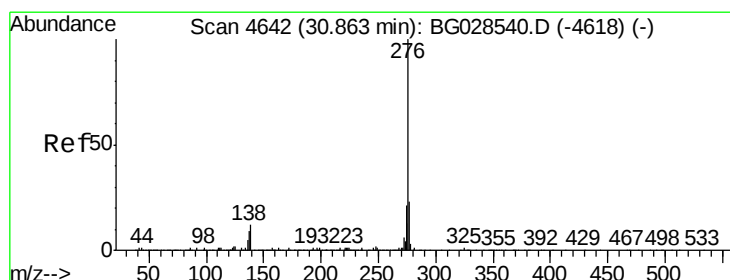
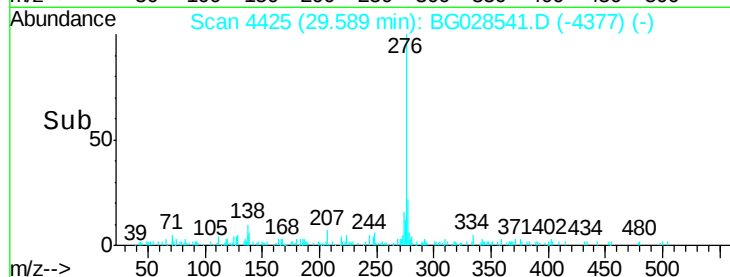
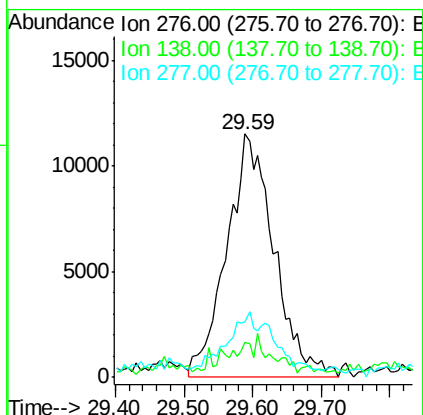
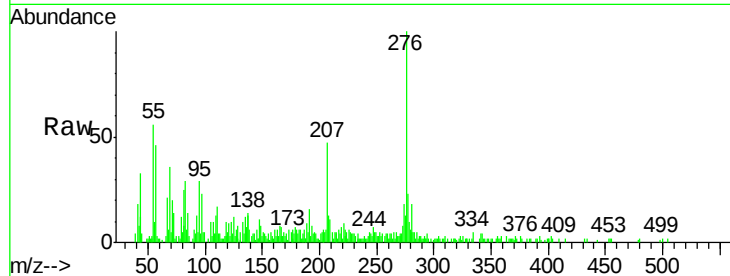
Indeno(1,2,3-cd)pyrene
Concen: 2.235 ng/ul
RT: 29.59 min Scan# 4425
Delta R.T. -0.02 min
Lab File: BG028541.D
Acq: 29 Aug 2017 19:23

Instrument :
BNA_G
ClientSampleId :
5-POST1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	8.2	12.4#
277	22.8	18.6	28.0

Manual Integrations
APPROVED

Sohil
8/30/2017 6:48:43 PM



#91

Benzo(g,h,i)perylene
Concen: 2.219 ng/ul
RT: 30.87 min Scan# 4643
Delta R.T. 0.01 min
Lab File: BG028541.D
Acq: 29 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.9	8.6	12.8#
277	27.4	17.6	26.4#

