

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081517\
 Data File : BG028361.D
 Acq On : 16 Aug 2017 2:38
 Operator : SJ/JU
 Sample : I4672-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AH4

Quant Time: Aug 16 04:09:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 16 04:06:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	48282	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	216342	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	148924	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	345603	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	394198	20.00	ng/ul	0.00
83) Perylene-d12	25.57	264	372833	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.85	96	3096	2.99	ng/uL	0.01
5) Phenol-d5	7.51	99	88024	16.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	55432	16.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	63543	19.00	ng/ul	0.00
13) 4-Methylphenol-d8	9.06	113	67293	15.18	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	34137	20.18	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	39593	21.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	76798	20.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	64941	15.20	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	258007	19.48	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	304232	20.37	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	32024	15.21	ng/ul	0.00
57) Fluorene-d10	15.95	176	228928	19.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	41486	18.48	ng/ul	0.00
70) Anthracene-d10	17.81	188	367131	22.15	ng/ul	0.00
76) Pyrene-d10	20.09	212	432351	21.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	384125	22.01	ng/ul	0.00

Target Compounds

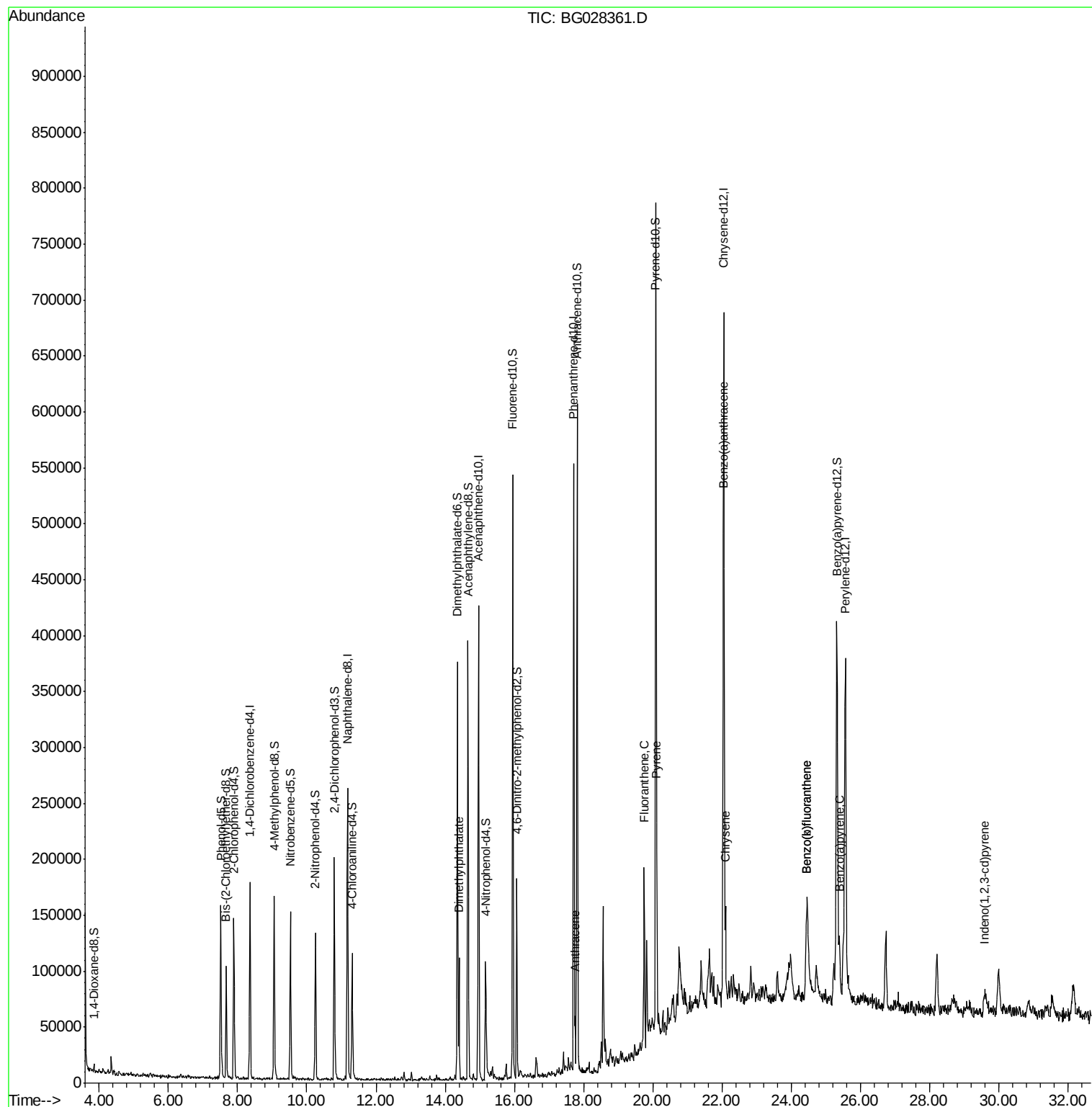
					Ovalue
44) Dimethylphthalate	14.40	163	67590	5.542	ng/ul 98
71) Anthracene	17.76	178	27750	1.561	ng/ul 95
74) Fluoranthene	19.75	202	107333	5.078	ng/ul 99
77) Pyrene	20.11	202	94523	4.019	ng/ul 98
80) Benzo(a)anthracene	22.03	228	67277	2.954	ng/ul 97
82) Chrysene	22.10	228	64082	3.124	ng/ul 95
85) Benzo(b)fluoranthene	24.44	252	101504	4.550	ng/ul 98
86) Benzo(k)fluoranthene	24.44	252	101504	4.658	ng/ul 96
88) Benzo(a)pyrene	25.40	252	58164	2.693	ng/ul# 98
89) Indeno(1,2,3-cd)pyrene	29.60	276	37545	1.484	ng/ul# 92

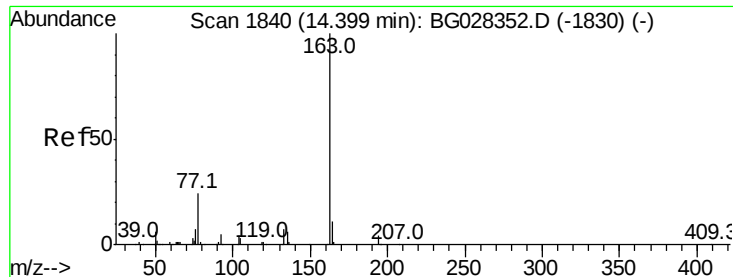
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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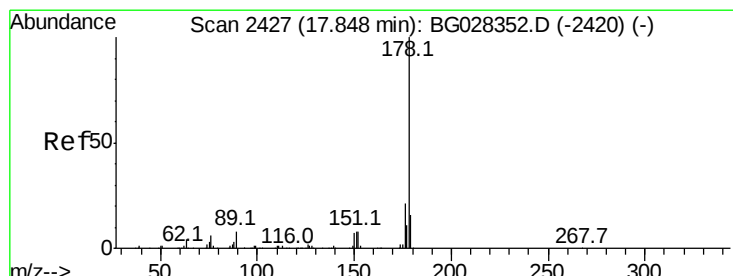
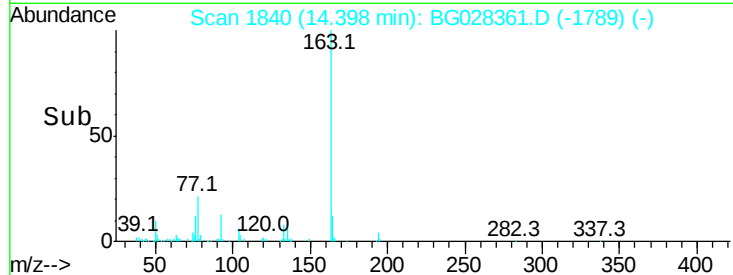
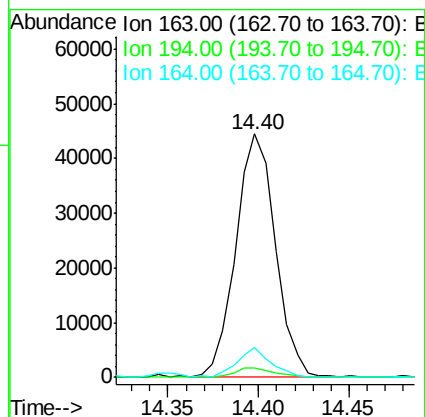
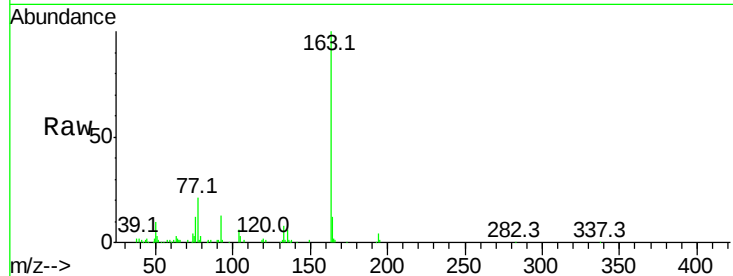




#44
Dimethylphthalate
Concen: 5.542 ng/ul
RT: 14.40 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BG028361.D
Acq: 16 Aug 2017 2:38

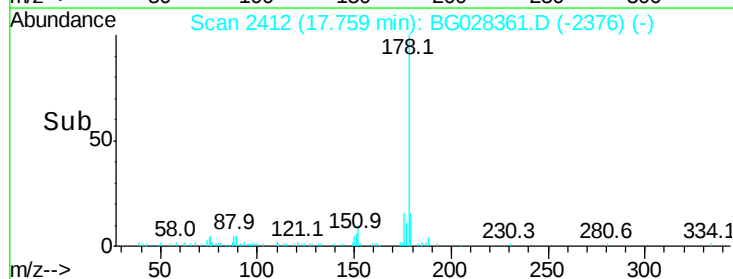
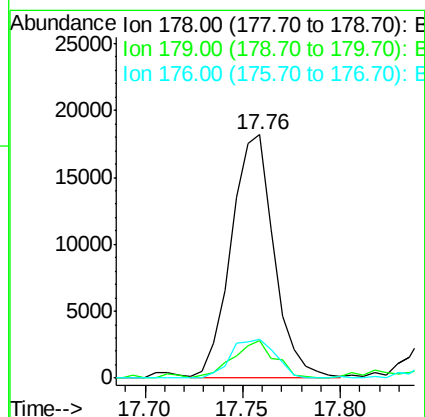
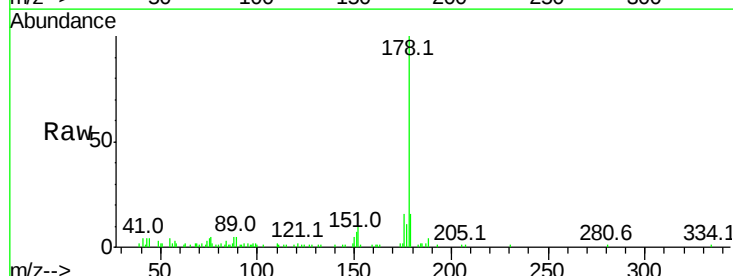
Instrument :
BNA_G
ClientSampleId :
C0AH4

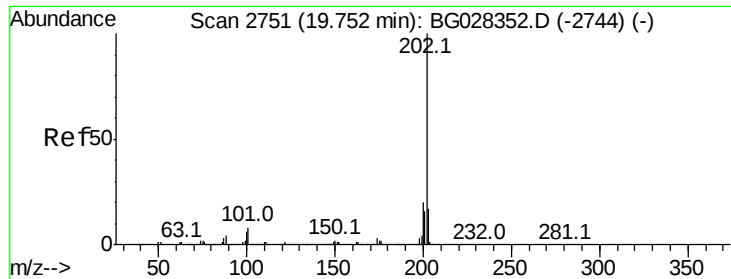
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	12.0	9.0	13.4



#71
Anthracene
Concen: 1.561 ng/ul
RT: 17.76 min Scan# 2412
Delta R.T. -0.09 min
Lab File: BG028361.D
Acq: 16 Aug 2017 2:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	16.1	15.9	23.9





#74

Fluoranthene

Concen: 5.078 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

Instrument :

BNA_G

ClientSampleId :

C0AH4

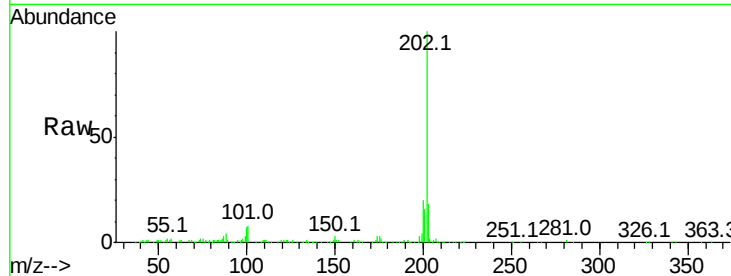
Tot Ion:202 Resp: 107333

Ion Ratio Lower Upper

202 100

101 8.2 6.2 9.2

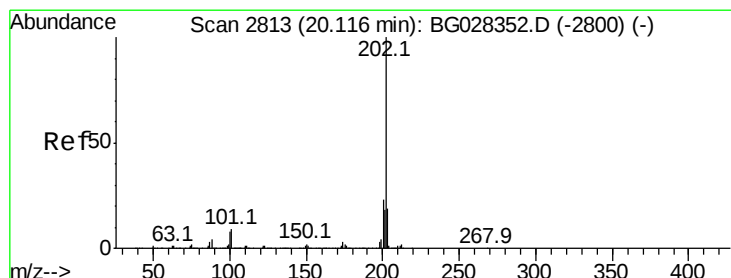
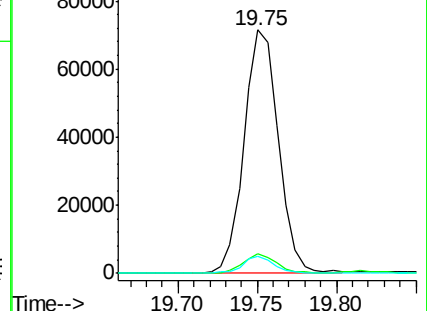
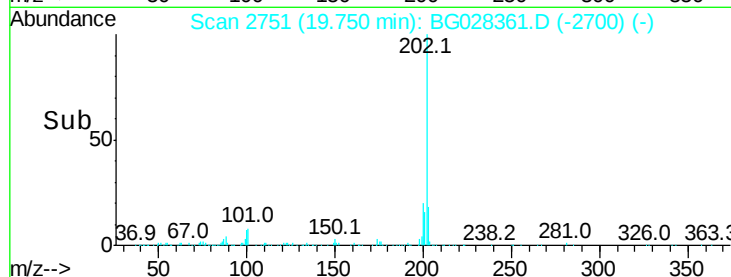
100 6.9 5.2 7.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 4.019 ng/ul

RT: 20.11 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

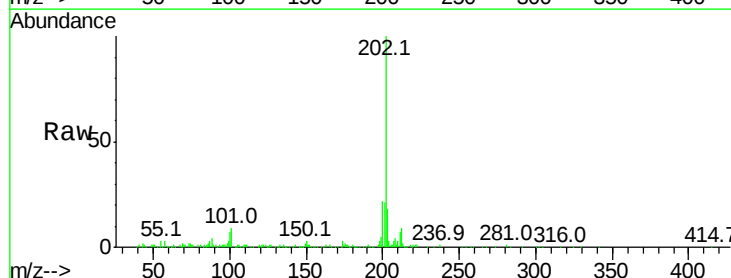
Tgt Ion:202 Resp: 94523

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

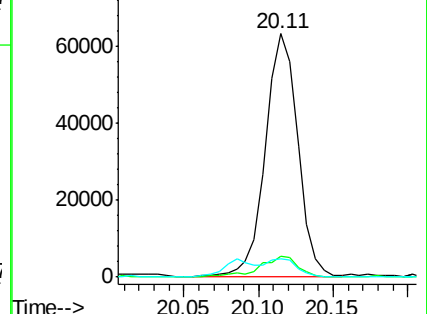
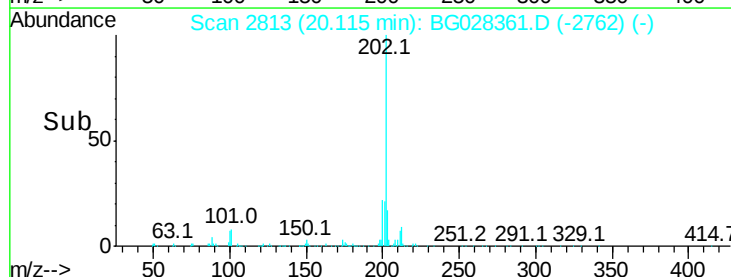
100 7.3 6.6 10.0

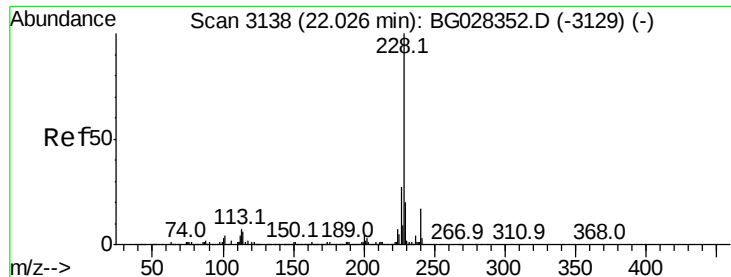


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.954 ng/ul

RT: 22.03 min Scan# 3139

Delta R.T. 0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

Instrument :

BNA_G

ClientSampleId :

C0AH4

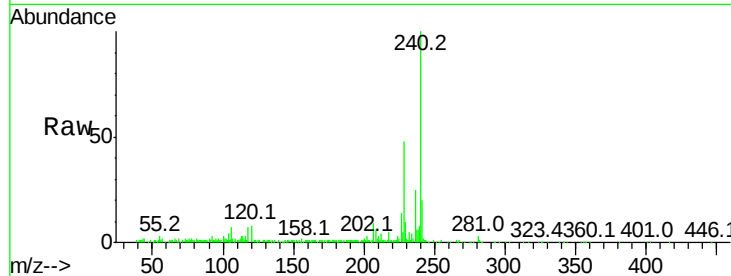
Tot Ion:228 Resp: 67277

Ion Ratio Lower Upper

228 100

229 20.8 16.3 24.5

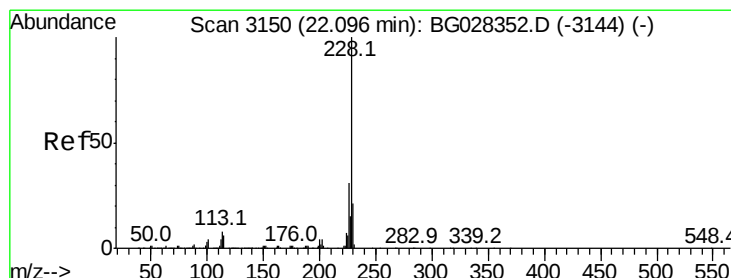
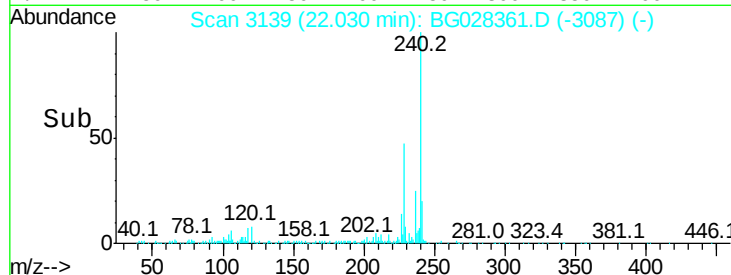
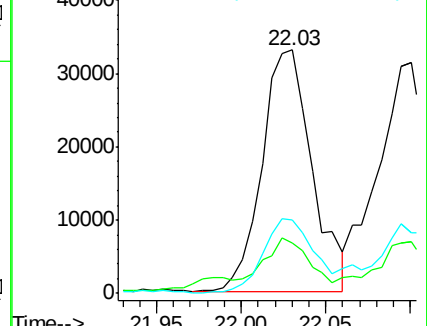
226 29.9 21.9 32.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 3.124 ng/ul

RT: 22.10 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

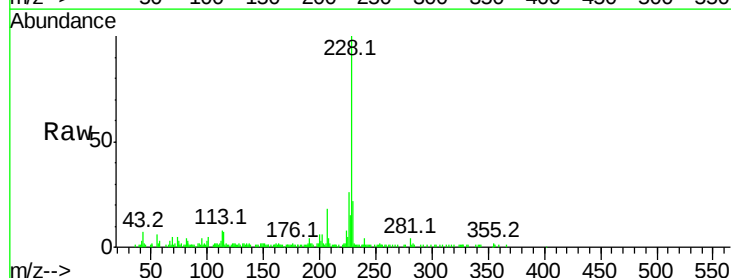
Tgt Ion:228 Resp: 64082

Ion Ratio Lower Upper

228 100

226 26.4 24.0 36.0

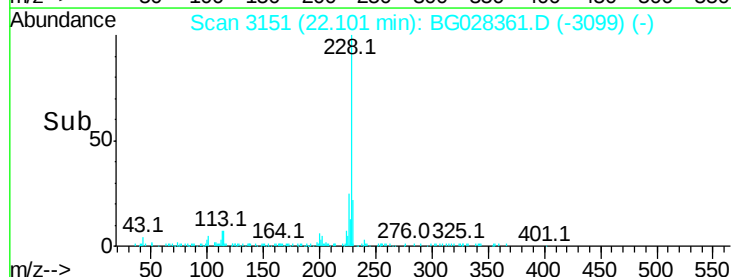
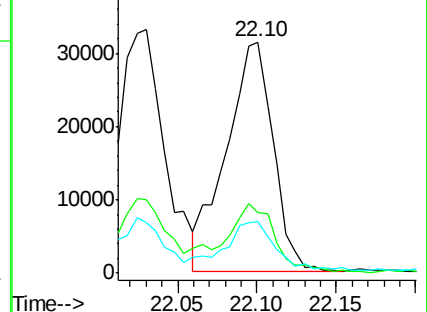
229 22.3 16.9 25.3

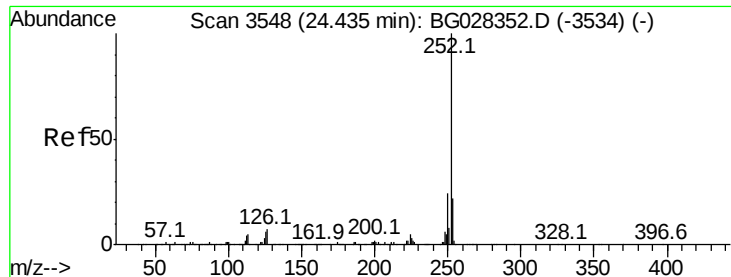


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 4.550 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. 0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

Instrument :

BNA_G

ClientSampleId :

C0AH4

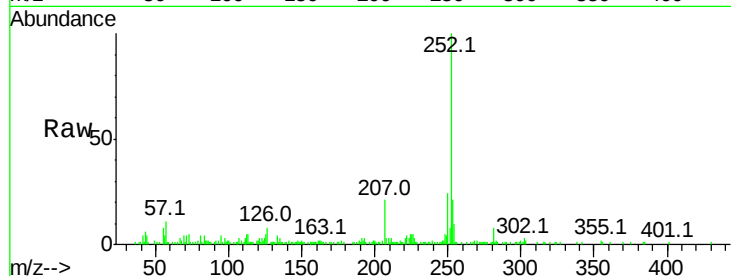
Tot Ion:252 Resp: 101504

Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

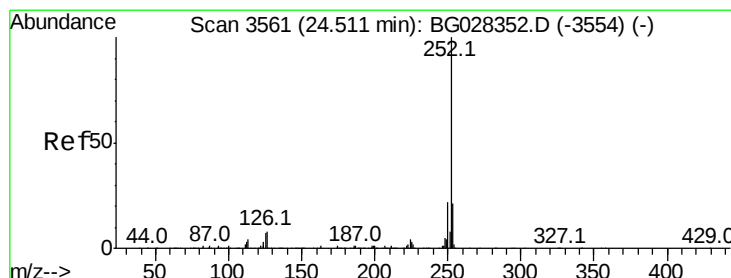
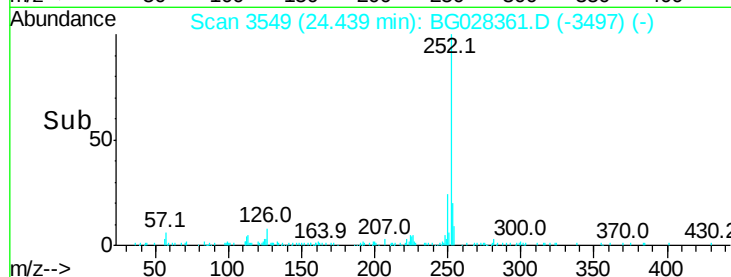
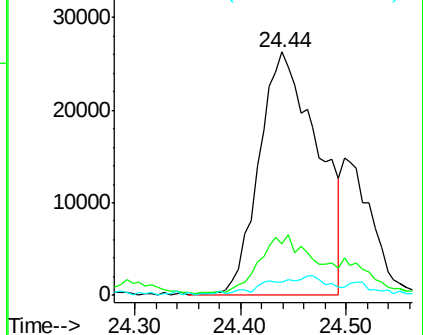
125 5.5 4.0 6.0



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



#86

Benzo(k)fluoranthene

Concen: 4.658 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. -0.07 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

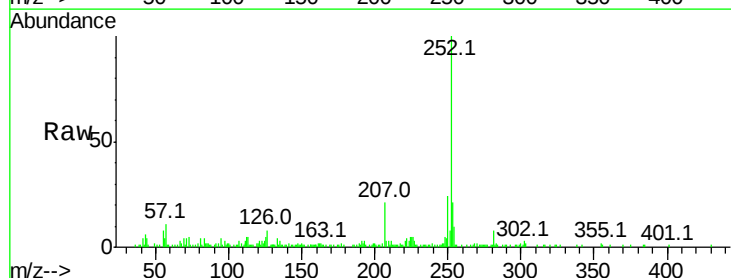
Tgt Ion:252 Resp: 101504

Ion Ratio Lower Upper

252 100

253 21.1 18.5 27.7

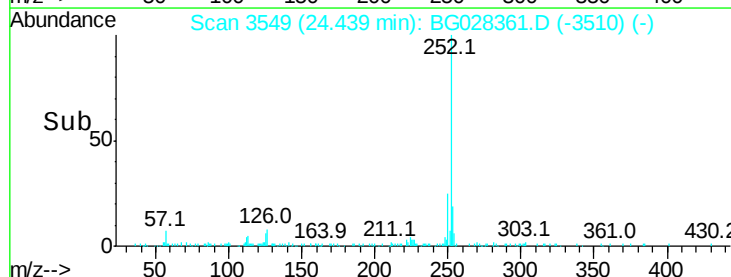
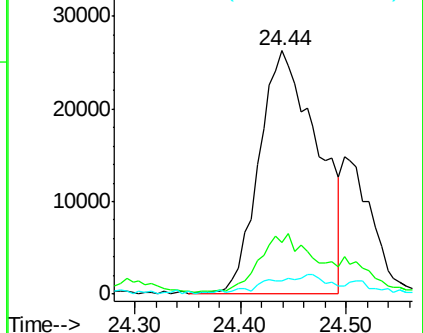
125 5.5 4.1 6.1

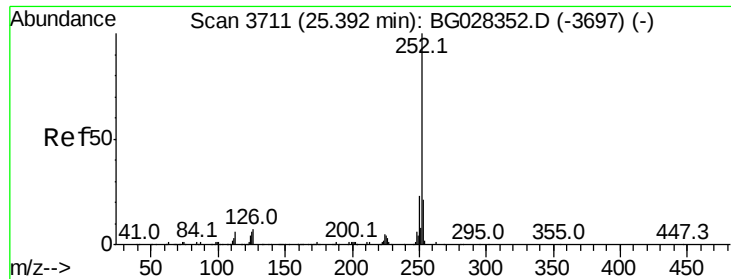


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.693 ng/ul

RT: 25.40 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

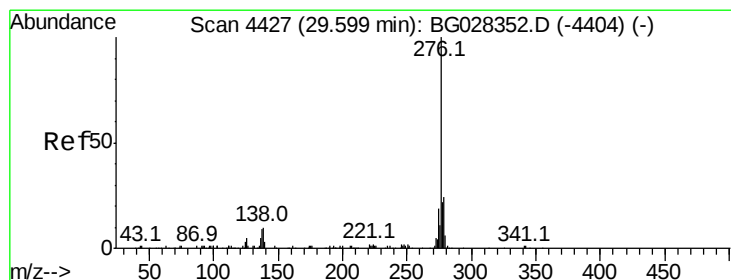
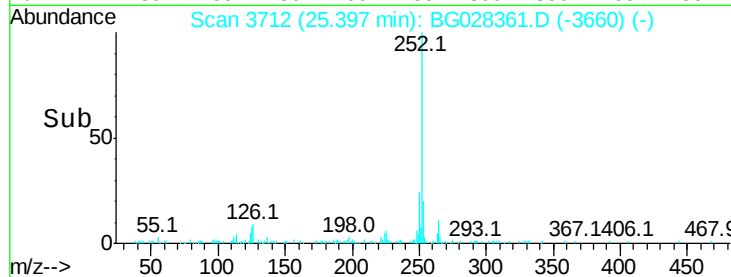
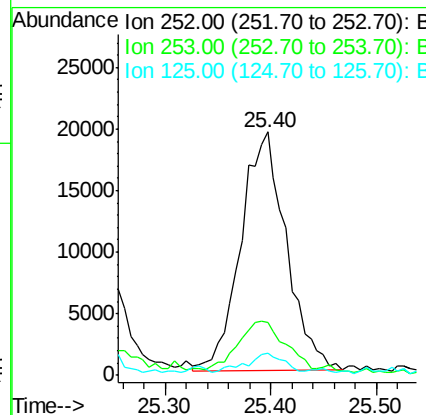
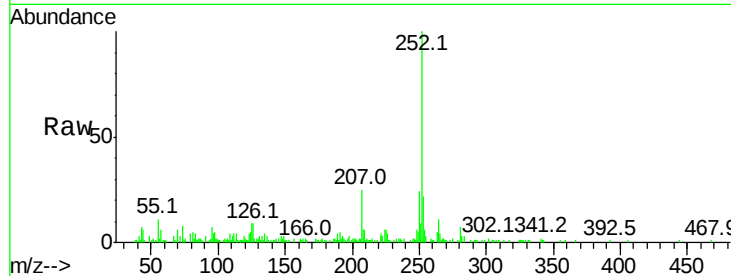
Instrument :

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ClientSampleId :

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Tot Ion:	252	Resp:	58164
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.1	5.4	8.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.484 ng/ul

RT: 29.60 min Scan# 4427

Delta R.T. -0.00 min

Lab File: BG028361.D

Acq: 16 Aug 2017 2:38

Tgt Ion:	276	Resp:	37545
Ion	Ratio	Lower	Upper
276	100		
138	12.9	8.2	12.4#
277	27.2	18.6	28.0

