

Data Path : Z:\HPCHEM1\BNA G\DATA\BG083017\
 Data File : BG028559.D
 Acq On : 30 Aug 2017 19:01
 Operator : SJ/JU
 Sample : I4917-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0B27

Quant Time: Aug 31 04:22:29 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 31 04:17:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	43253	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	191684	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	125313	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	292154	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	331040	20.00	ng/ul	0.00
83) Perylene-d12	25.55	264	333434	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	1730	1.86	ng/uL	0.00
5) Phenol-d5	7.50	99	48337	10.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	34336	11.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	35327	11.79	ng/ul	0.00
13) 4-Methylphenol-d8	9.03	113	40862	10.29	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	20283	13.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	21682	13.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	43155	12.69	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	17544	4.64	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	146694	13.16	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	159387	12.68	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	8513	4.80	ng/ul	0.02
57) Fluorene-d10	15.94	176	124409	12.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	14562	7.67	ng/ul	0.00
70) Anthracene-d10	17.70	188	292154	20.85	ng/ul	-0.10
76) Pyrene-d10	20.07	212	221287	13.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	203015	13.01	ng/ul	0.00

Target Compounds

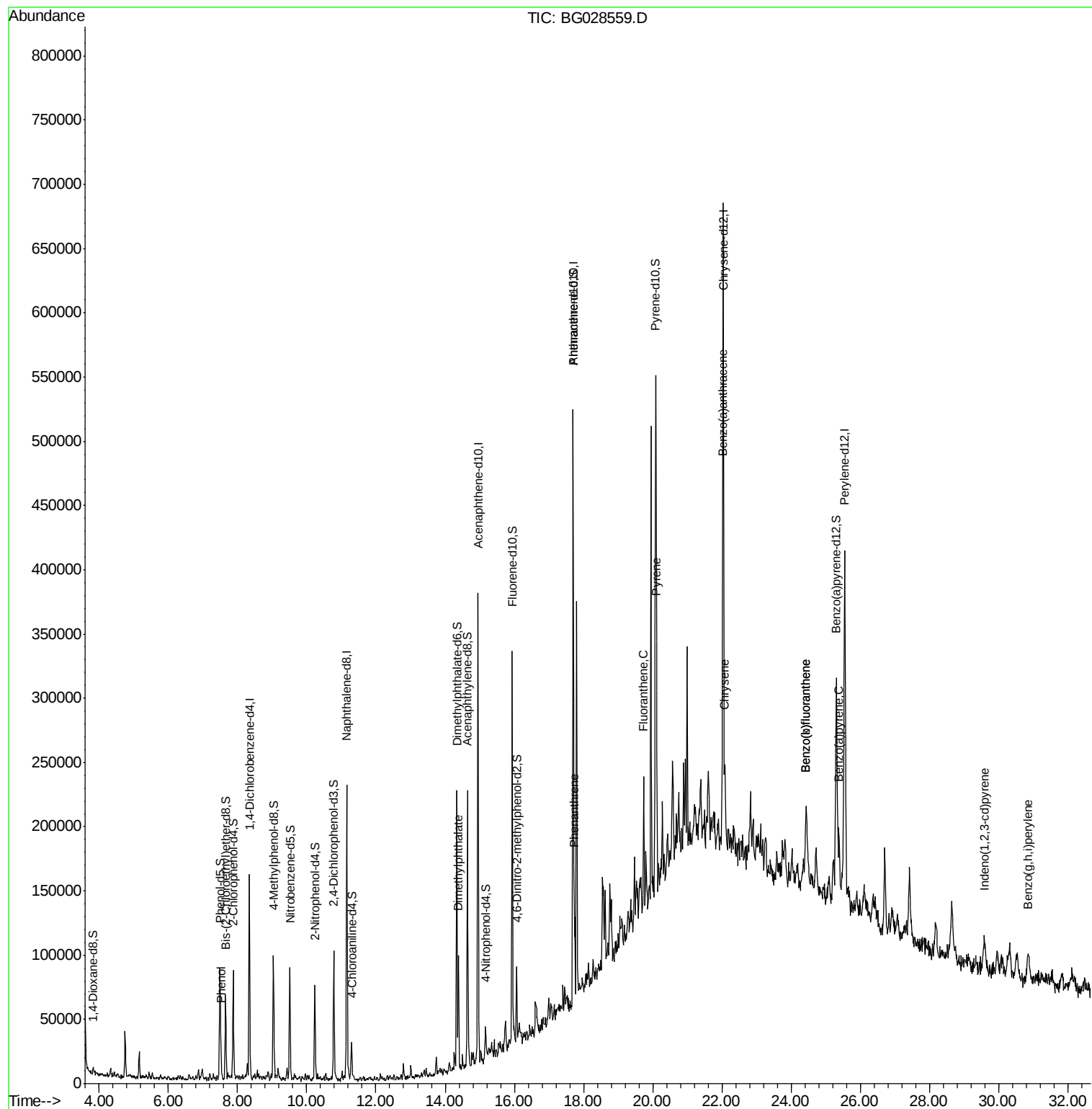
					Ovalue	
6) Phenol	7.52	94	6287	1.332	ng/ul#	81
44) Dimethylphthalate	14.38	163	51992	5.066	ng/ul	97
69) Phenanthrene	17.74	178	54905	3.734	ng/ul	97
74) Fluoranthene	19.74	202	62141	3.478	ng/ul	98
77) Pyrene	20.10	202	113909	5.768	ng/ul	99
80) Benzo(a)anthracene	22.01	228	52426	2.741	ng/ul#	89
82) Chrysene	22.08	228	63330	3.676	ng/ul	96
85) Benzo(b)fluoranthene	24.42	252	78936	3.956	ng/ul#	60
86) Benzo(k)fluoranthene	24.42	252	78936	4.050	ng/ul#	62
88) Benzo(a)pyrene	25.38	252	60817	3.148	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.58	276	42693	1.887	ng/ul	93
91) Benzo(g,h,i)perylene	30.85	276	40323	2.167	ng/ul#	90

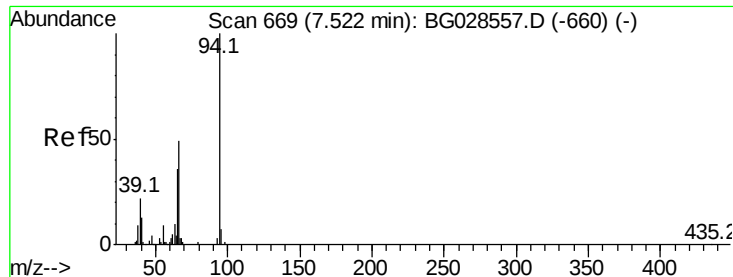
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.332 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

Instrument :

BNA_G

ClientSampleId :

B0B27

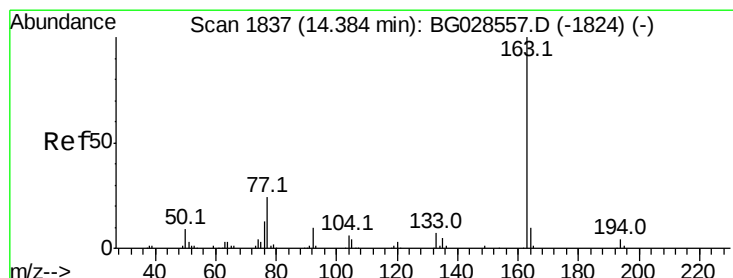
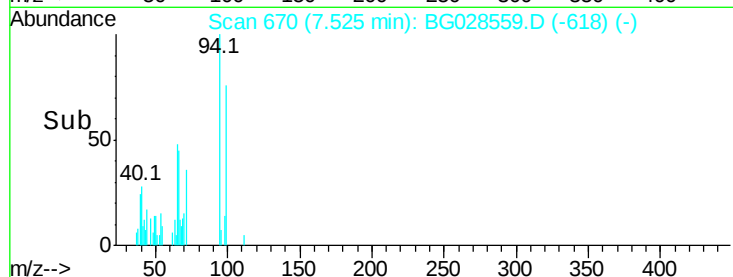
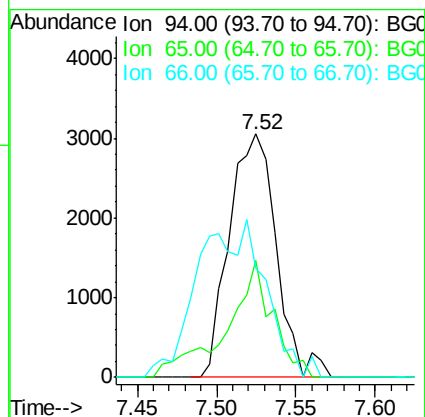
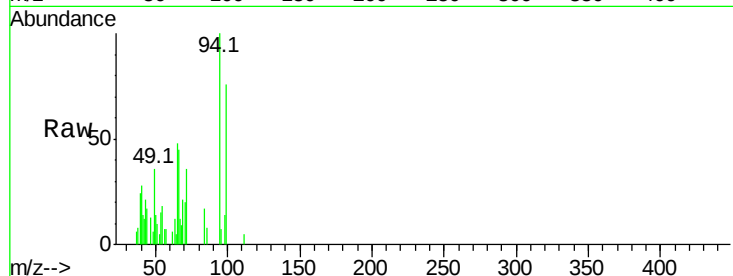
Tot Ion: 94 Resp: 6287

Ion Ratio Lower Upper

94 100

65 47.9 26.8 40.2#

66 45.0 44.4 66.6



#44

Dimethylphthalate

Concen: 5.066 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

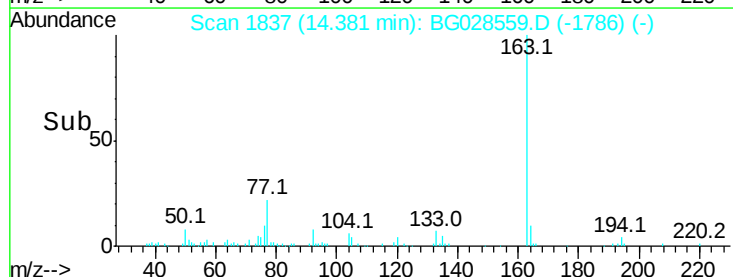
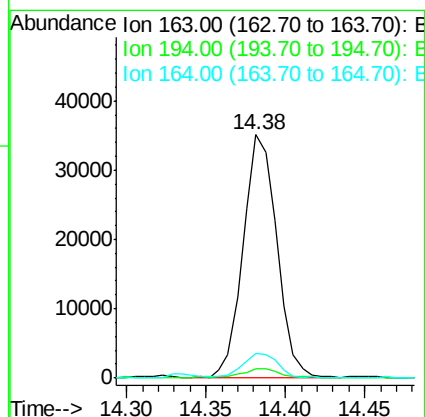
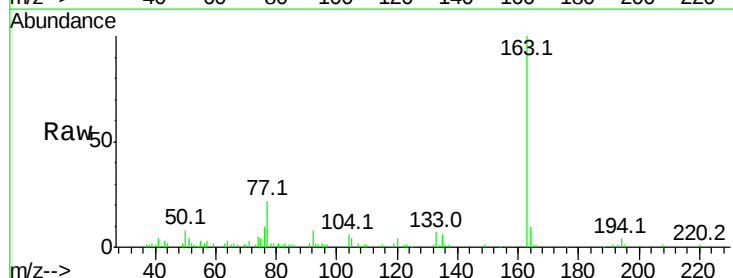
Tgt Ion:163 Resp: 51992

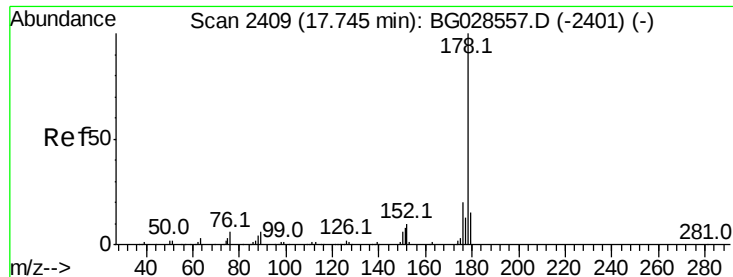
Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

164 10.0 9.0 13.4





#69

Phenanthrene

Concen: 3.734 ng/ul

RT: 17.74 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

Instrument :

BNA_G

ClientSampleId :

B0B27

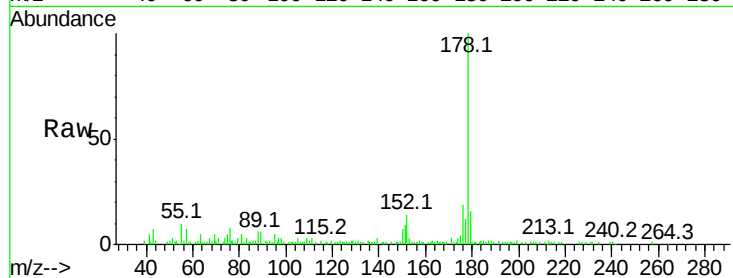
Tot Ion:178 Resp: 54905

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

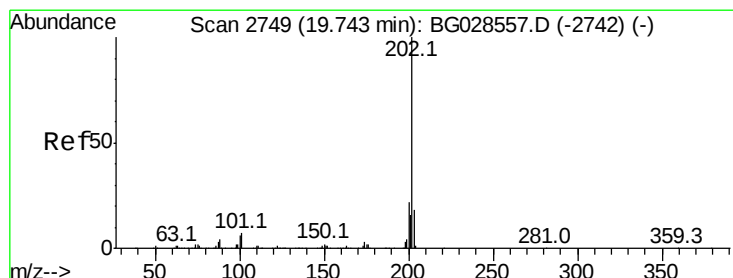
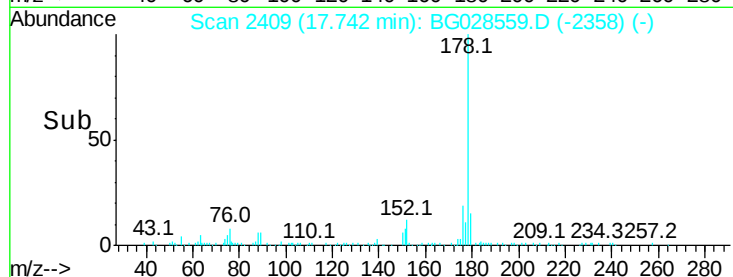
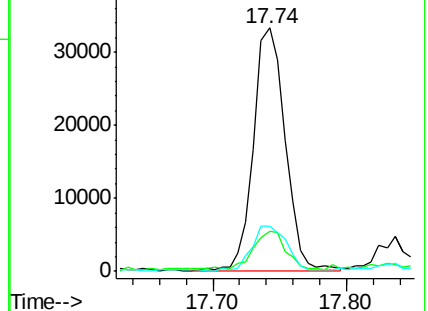
176 18.7 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 3.478 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

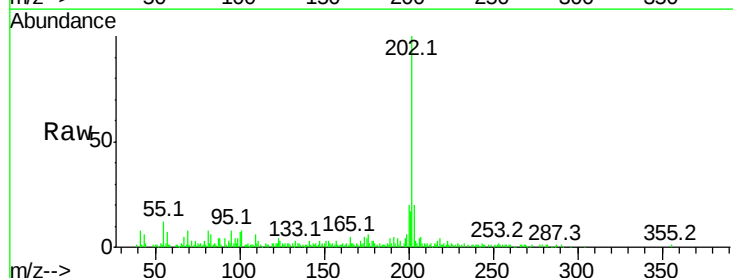
Tgt Ion:202 Resp: 62141

Ion Ratio Lower Upper

202 100

101 8.3 6.2 9.2

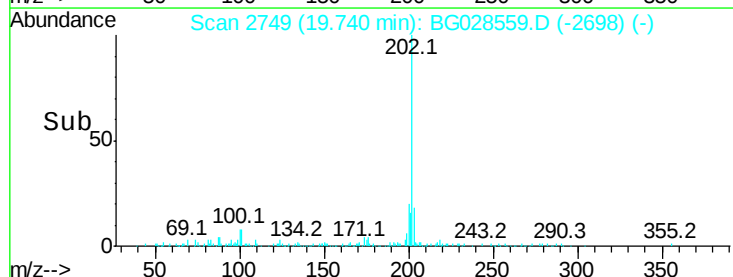
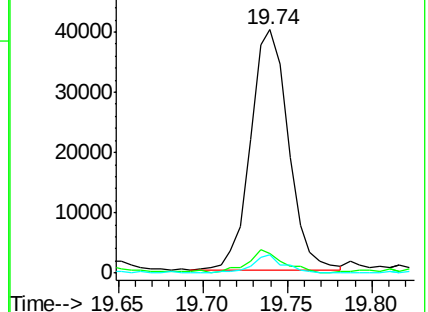
100 7.5 5.2 7.8

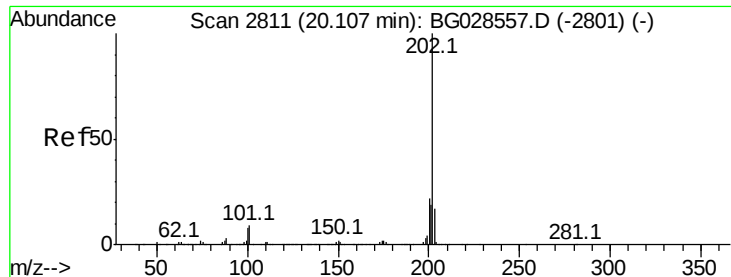


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

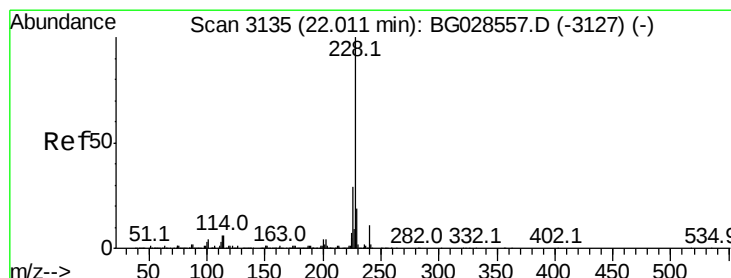
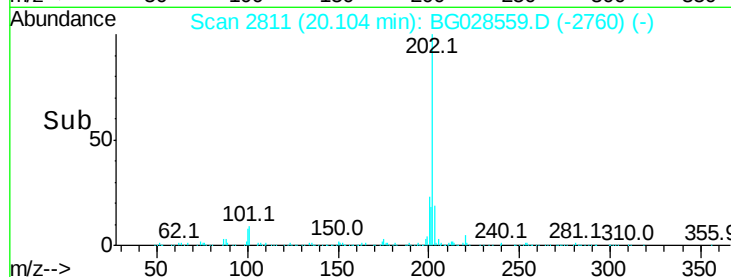
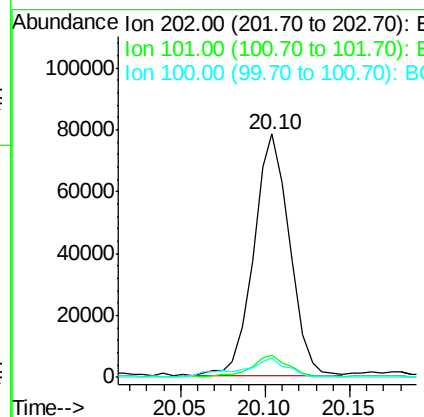
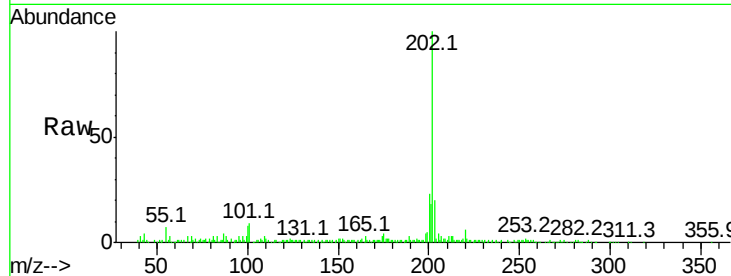




#77
 Pvrene
 Concen: 5.768 ng/ul
 RT: 20.10 min Scan# 2811
 Delta R.T. -0.00 min
 Lab File: BG028559.D
 Acq: 30 Aug 2017 19:01

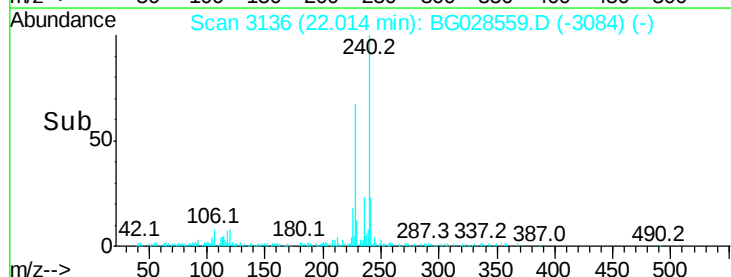
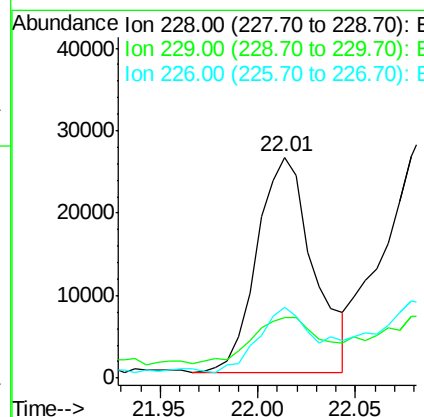
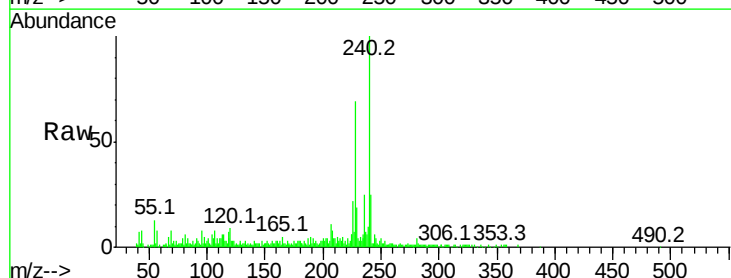
Instrument :
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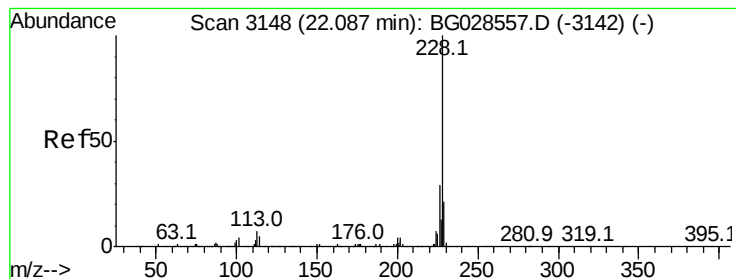
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	6.9	10.3
100	8.1	6.6	10.0



#80
 Benzo(a)anthracene
 Concen: 2.741 ng/ul
 RT: 22.01 min Scan# 3136
 Delta R.T. 0.00 min
 Lab File: BG028559.D
 Acq: 30 Aug 2017 19:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	27.3	16.3	24.5#
226	31.7	21.9	32.9





#82

Chrysene

Concen: 3.676 ng/ul

RT: 22.08 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

Instrument :

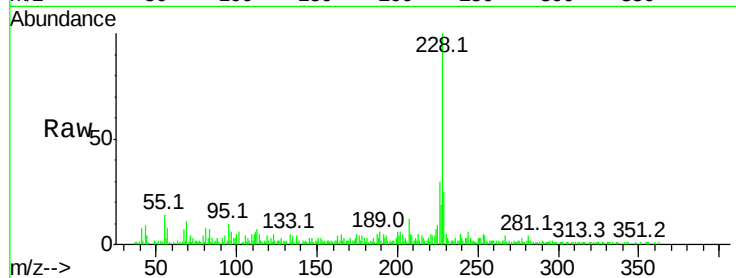
BNA_G

ClientSampleId :

B0B27

Tot Ion:228 Resp: 63330

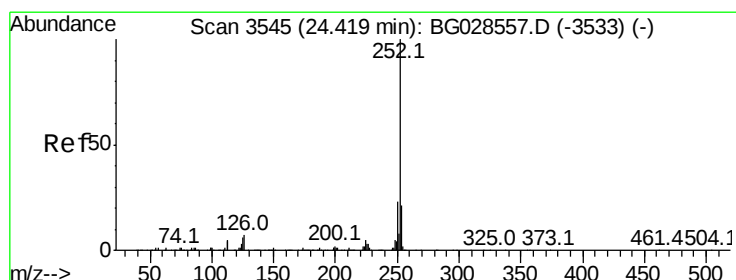
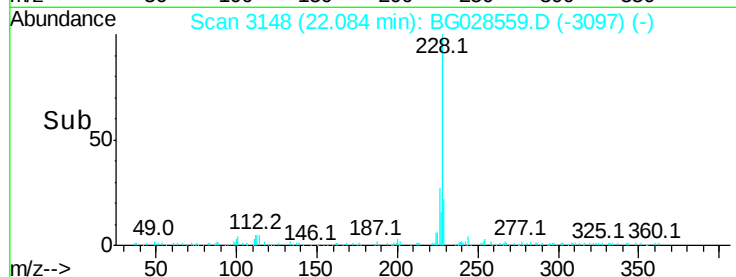
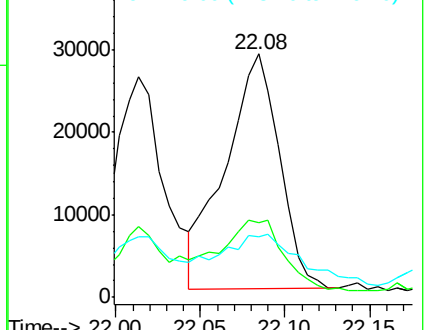
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	25.0	16.9	25.3



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: 3.956 ng/ul

RT: 24.42 min Scan# 3545

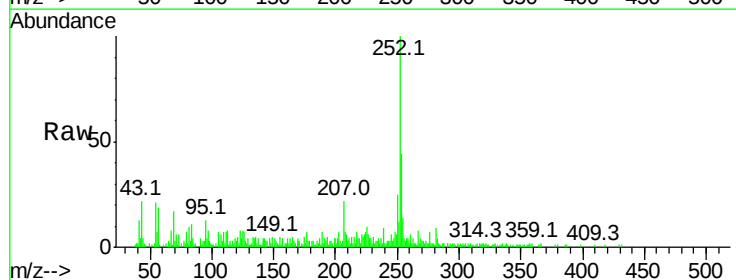
Delta R.T. -0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

Tgt Ion:252 Resp: 78936

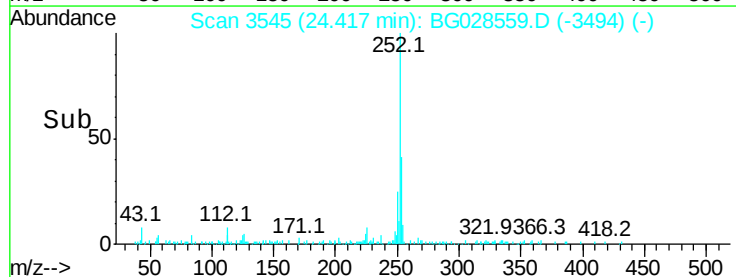
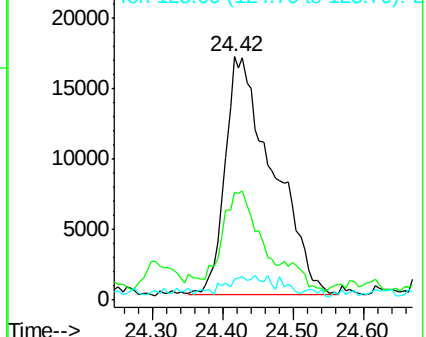
Ion	Ratio	Lower	Upper
252	100		
253	44.4	17.7	26.5#
125	8.5	4.0	6.0#

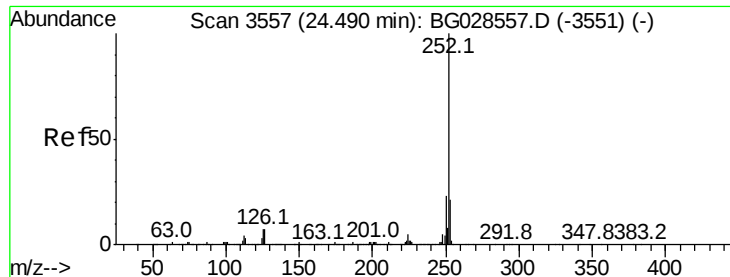


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 4.050 ng/ul

RT: 24.42 min Scan# 3545

Delta R.T. -0.07 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

Instrument :

BNA_G

ClientSampleId :

B0B27

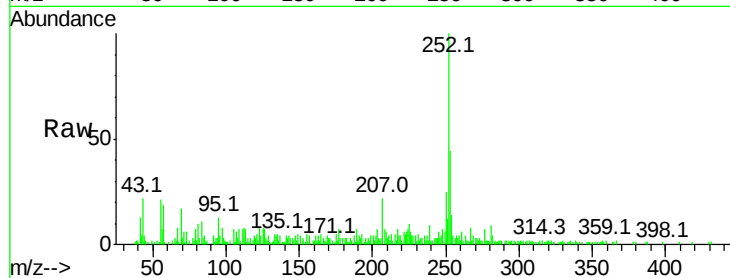
Tot Ion:252 Resp: 78936

Ion Ratio Lower Upper

252 100

253 44.4 18.5 27.7#

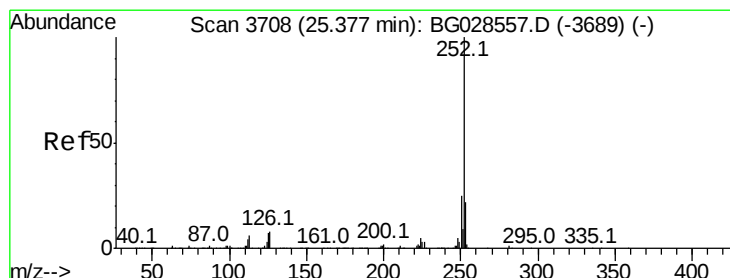
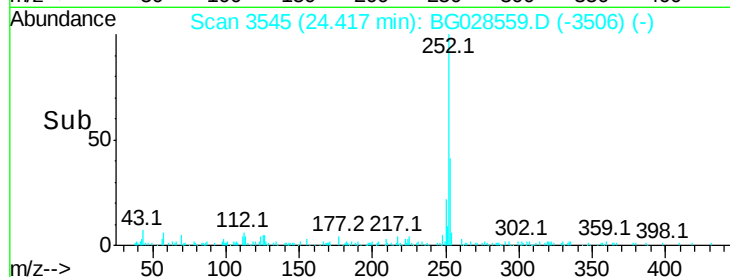
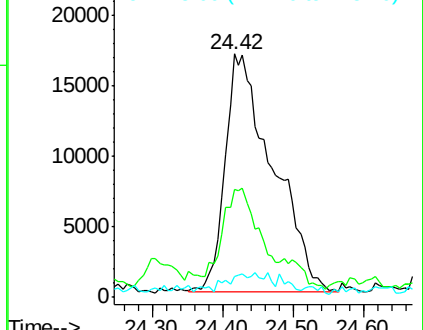
125 8.5 4.1 6.1#



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: 3.148 ng/ul

RT: 25.38 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG028559.D

Acq: 30 Aug 2017 19:01

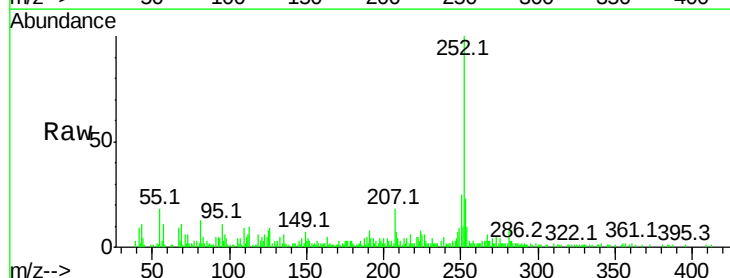
Tgt Ion:252 Resp: 60817

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

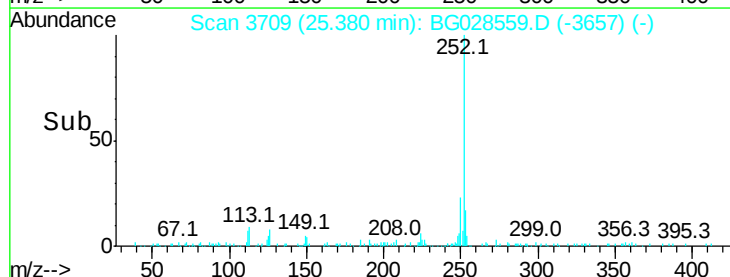
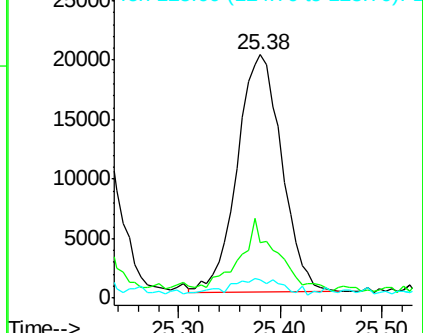
125 7.6 5.4 8.0

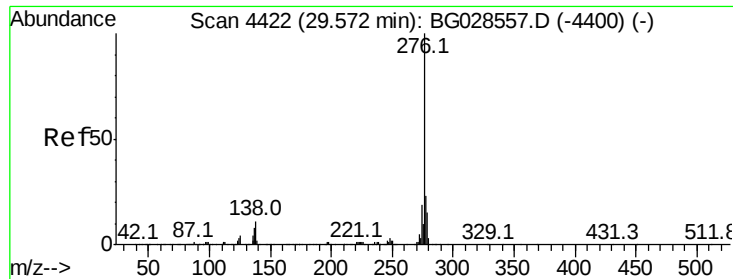


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



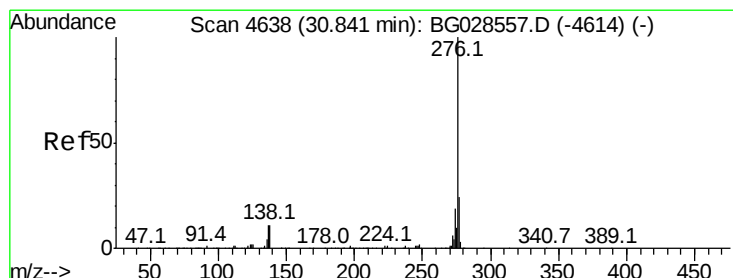
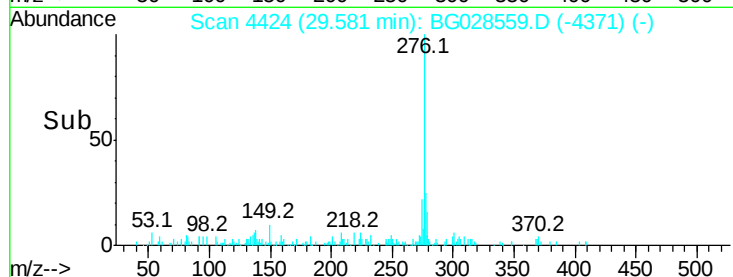
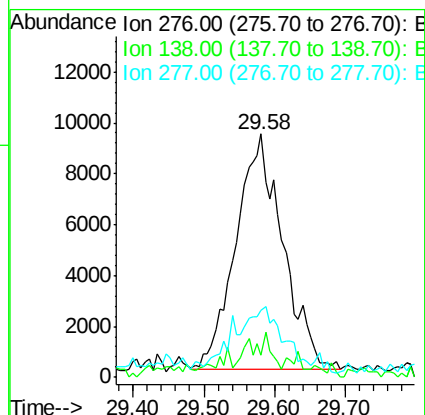
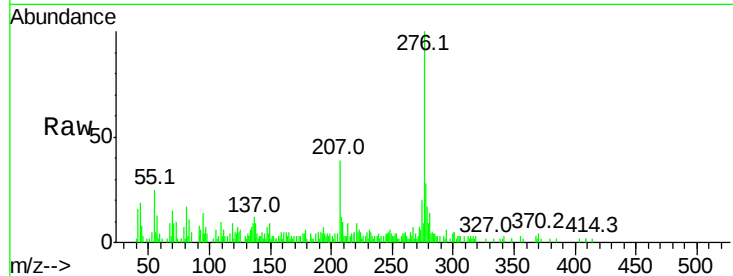


#89

Indeno(1,2,3-cd)pyrene
Concen: 1.887 ng/ul
RT: 29.58 min Scan# 4424
Delta R.T. 0.01 min
Lab File: BG028559.D
Acq: 30 Aug 2017 19:01

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Tot Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.2	12.4
277	27.6	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 2.167 ng/ul
RT: 30.85 min Scan# 4640
Delta R.T. 0.01 min
Lab File: BG028559.D
Acq: 30 Aug 2017 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	8.6	12.8#
277	27.3	17.6	26.4#

