

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111717\
 Data File : BG031114.D
 Acq On : 18 Nov 2017 11:28
 Operator : SJ/JU
 Sample : I6431-16
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0FR9

Quant Time: Nov 20 00:56:49 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 01:20:34 2017
 Response via : Initial Calibration

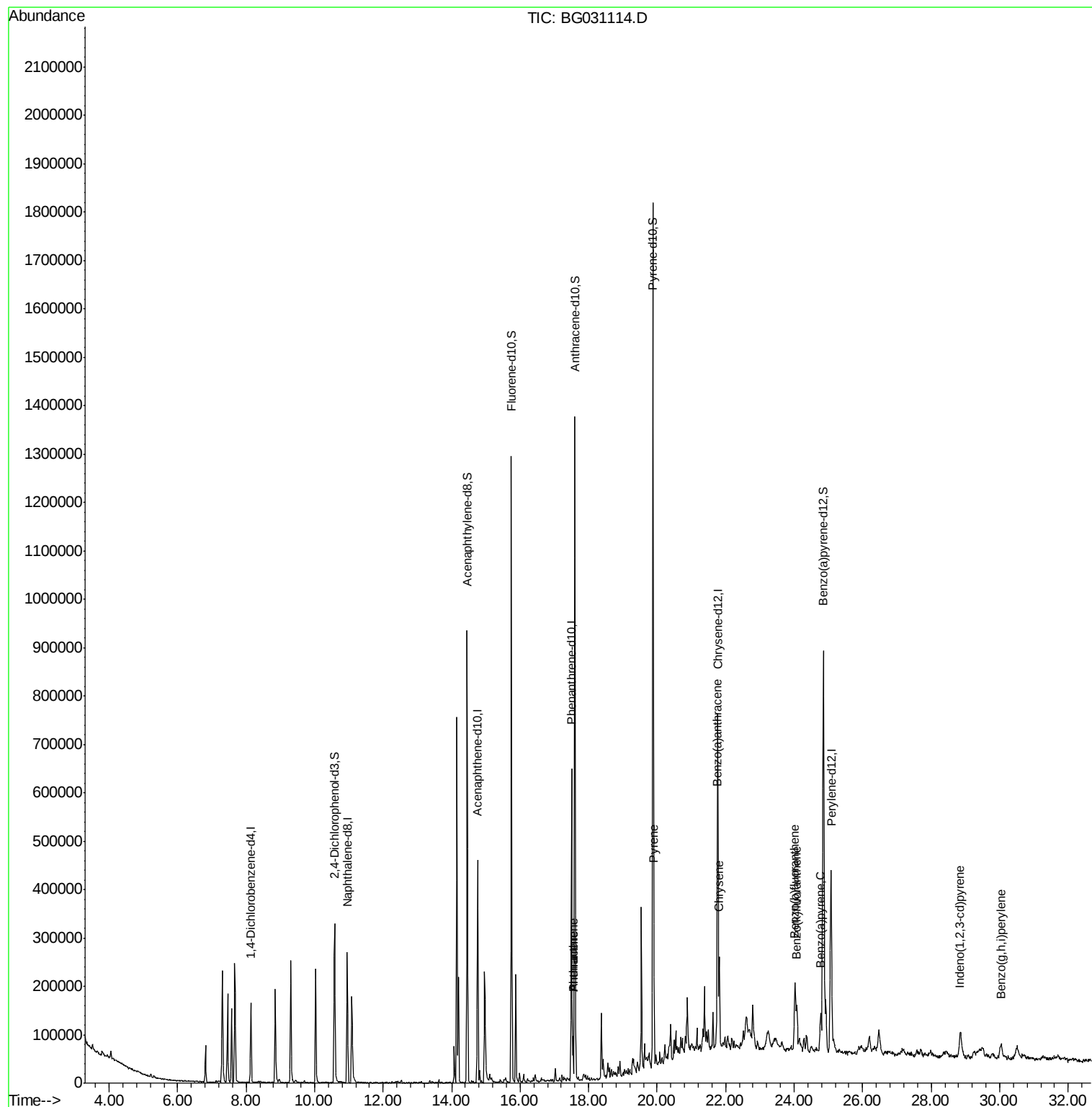
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	49026	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	232988	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	165844	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	414702	20.00	ng/ul	0.00
18) Chrysene-d12	21.78	240	435763	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	430951	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	159864	36.36	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	719827	41.74	ng/ul	0.00
10) Fluorene-d10	15.75	176	550370	39.73	ng/ul	0.00
15) Anthracene-d10	17.60	188	857471	41.31	ng/ul	0.00
19) Pyrene-d10	19.88	212	984191	49.44	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	940492	44.11	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	57474	2.58	ng/ul	99
16) Anthracene	17.54	178	57419	2.54	ng/ul	99
20) Pyrene	19.91	202	188583	8.15	ng/ul#	86
21) Benzo(a)anthracene	21.75	228	102753	3.87	ng/ul	97
22) Chrysene	21.82	228	144068	5.71	ng/ul	97
24) Benzo(b)fluoranthene	24.03	252	195734	7.52	ng/ul#	96
25) Benzo(k)fluoranthene	24.08	252	57662	2.25	ng/ul#	96
27) Benzo(a)pyrene	24.77	252	83022	3.33	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.85	276	85627	3.01	ng/ul#	90
30) Benzo(g,h,i)perylene	30.05	276	62663	2.65	ng/ul#	92

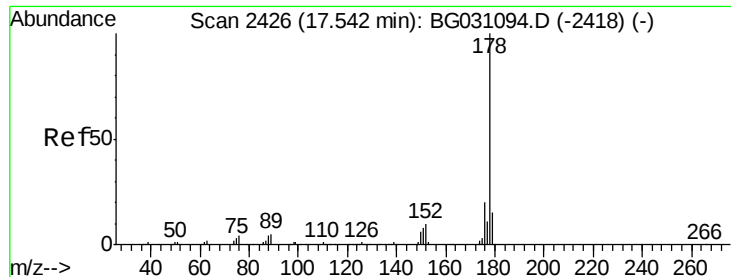
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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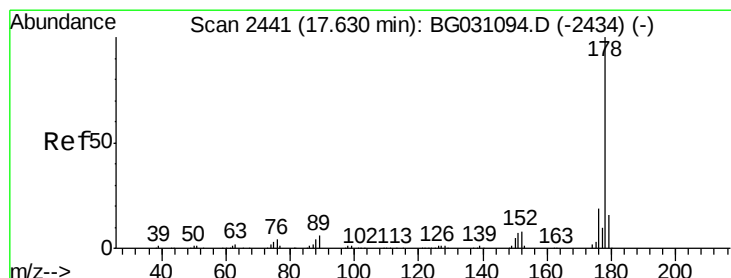
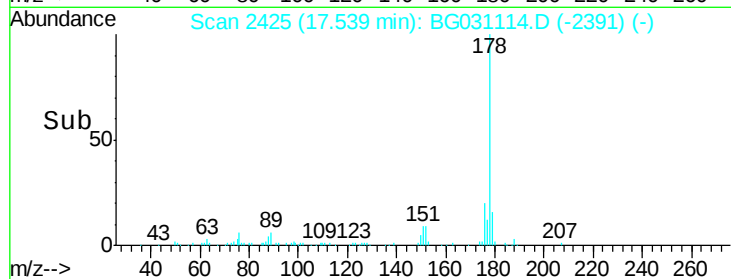
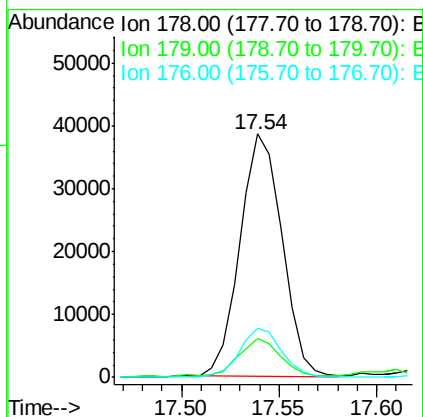
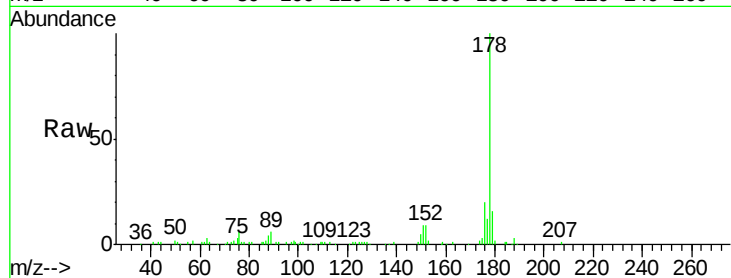




#14
Phenanthrene
Concen: 2.58 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG031114.D
Acq: 18 Nov 2017 11:28

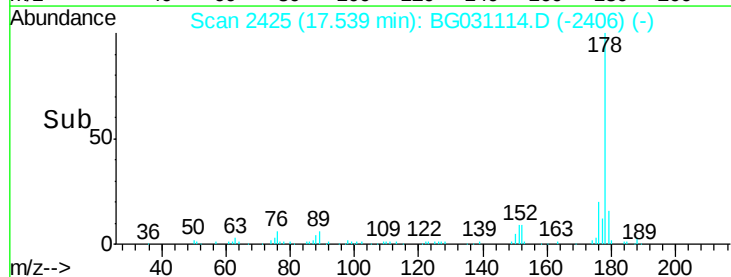
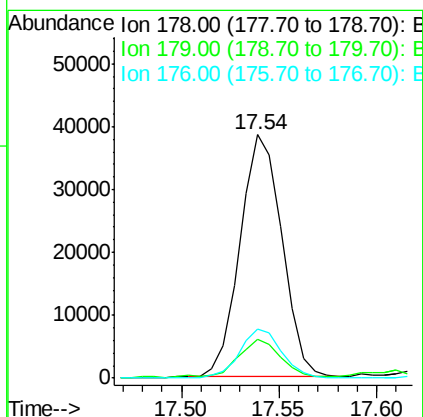
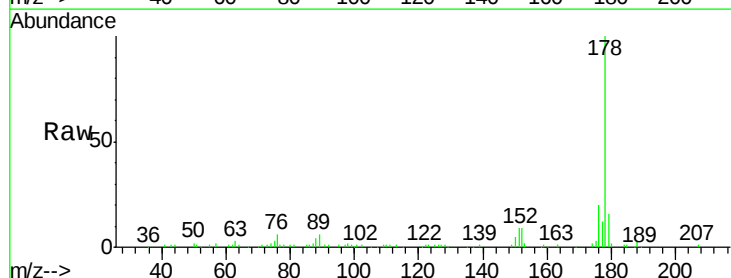
Instrument :
BNA_G
ClientSampleId :
B0FR9

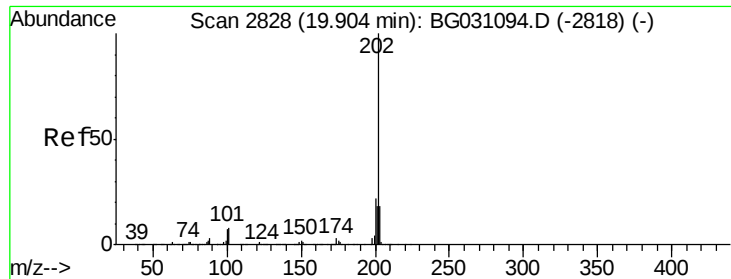
Tgt Ion:178 Resp: 57474
Ion Ratio Lower Upper
178 100
179 16.2 12.2 18.4
176 20.1 16.4 24.6



#16
Anthracene
Concen: 2.54 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.09 min
Lab File: BG031114.D
Acq: 18 Nov 2017 11:28

Tgt Ion:178 Resp: 57419
Ion Ratio Lower Upper
178 100
179 16.2 12.7 19.1
176 20.1 15.8 23.8

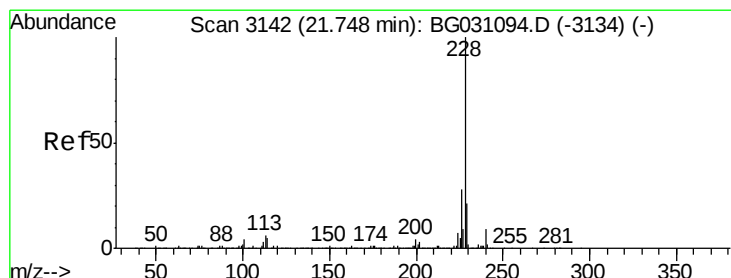
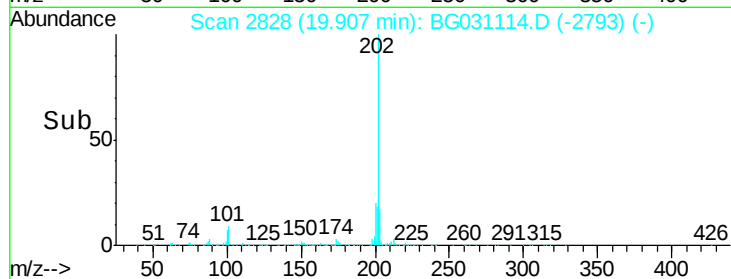
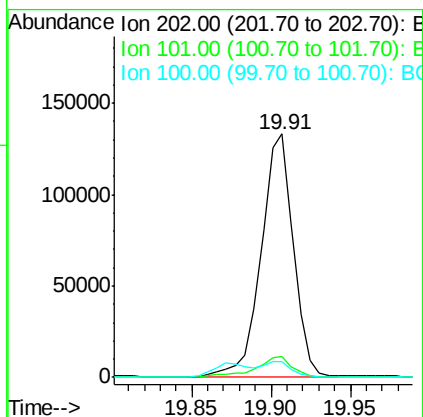
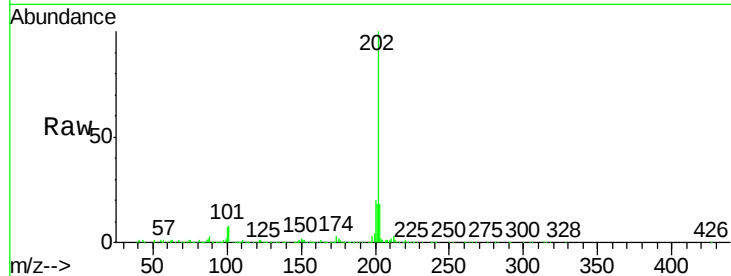




#20
 Pyrene
 Concen: 8.15 ng/ul
 RT: 19.91 min Scan# 2828
 Delta R.T. 0.00 min
 Lab File: BG031114.D
 Acq: 18 Nov 2017 11:28

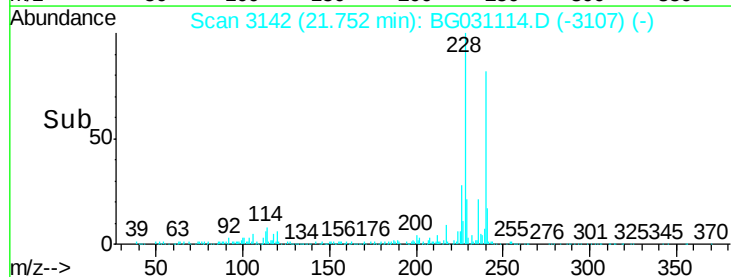
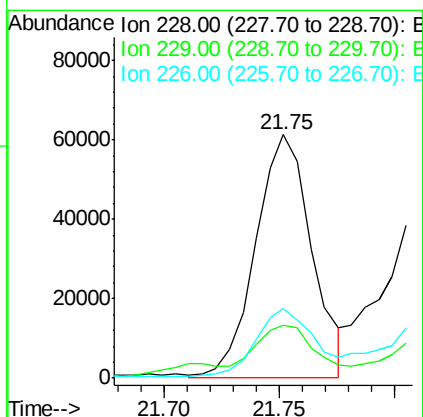
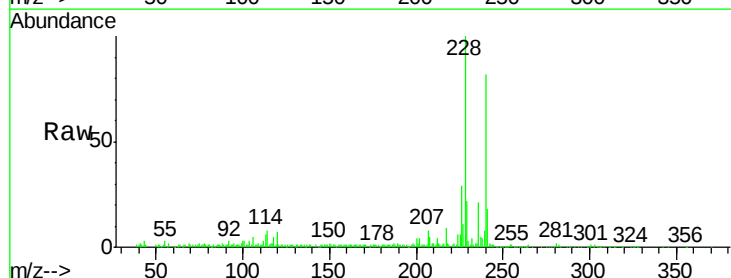
Instrument :
 BNA_G
 ClientSampleId :
 B0FR9

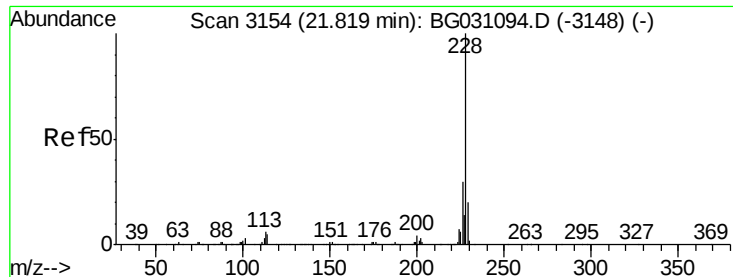
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	11.2	16.8#
100	6.6	9.8	14.6#



#21
 Benzo(a)anthracene
 Concen: 3.87 ng/ul
 RT: 21.75 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BG031114.D
 Acq: 18 Nov 2017 11:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.9	23.9
226	28.5	22.1	33.1





#22

Chrysene

Concen: 5.71 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG031114.D

Acq: 18 Nov 2017 11:28

Instrument :

BNA_G

ClientSampleId :

B0FR9

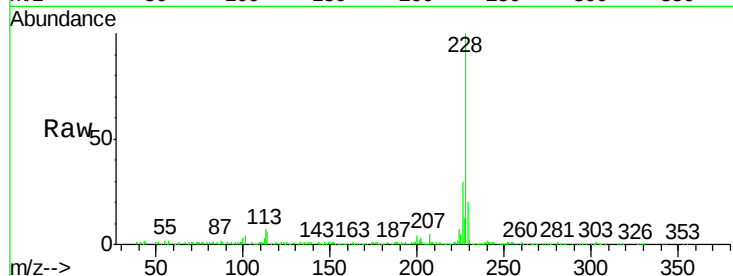
Tgt Ion:228 Resp: 144068

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

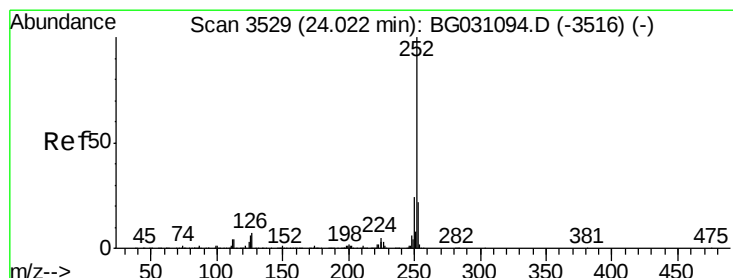
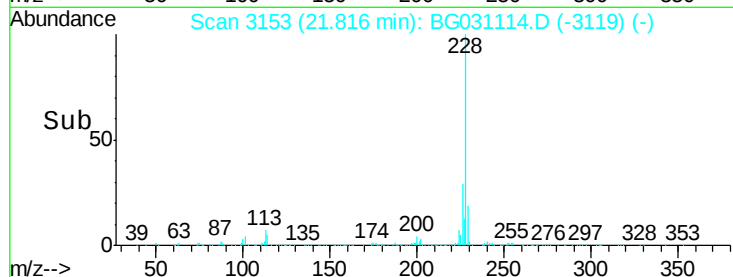
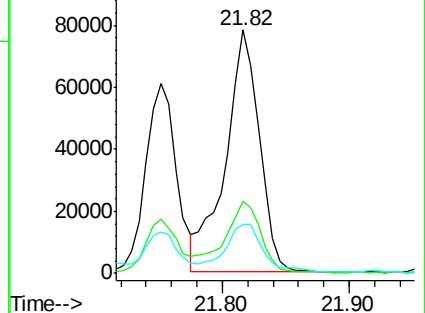
229 19.9 16.6 25.0



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



#24

Benzo(b)fluoranthene

Concen: 7.52 ng/ul

RT: 24.03 min Scan# 3529

Delta R.T. 0.00 min

Lab File: BG031114.D

Acq: 18 Nov 2017 11:28

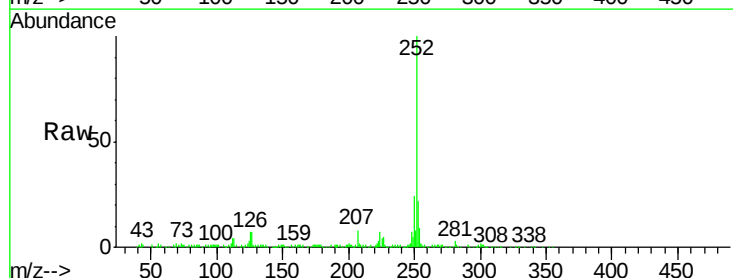
Tgt Ion:252 Resp: 195734

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

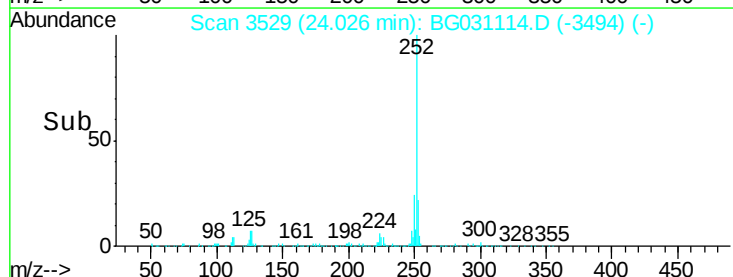
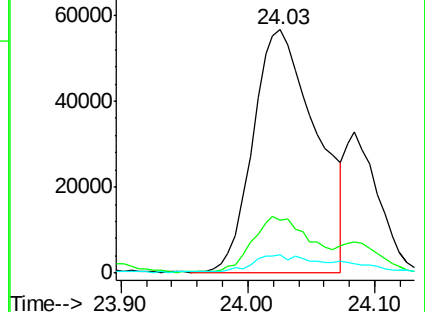
125 7.3 9.4 14.0#

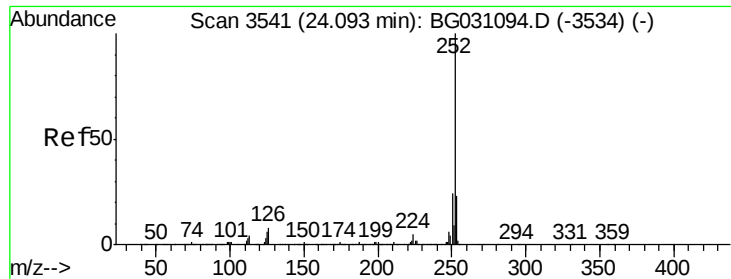


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 2.25 ng/ul

RT: 24.08 min Scan# 3539

Delta R.T. -0.01 min

Lab File: BG031114.D

Acq: 18 Nov 2017 11:28

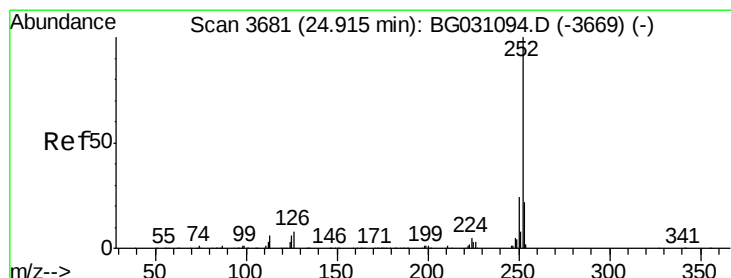
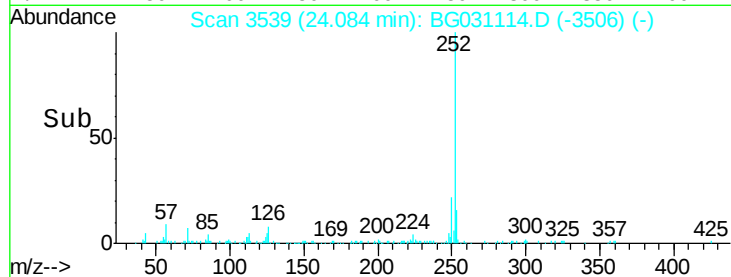
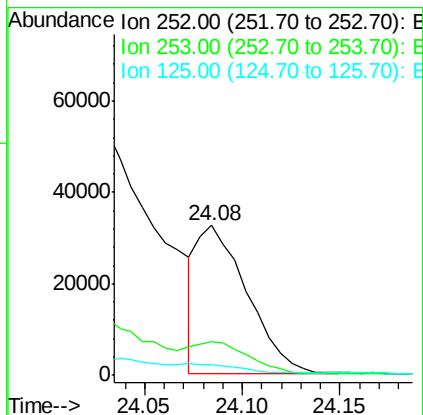
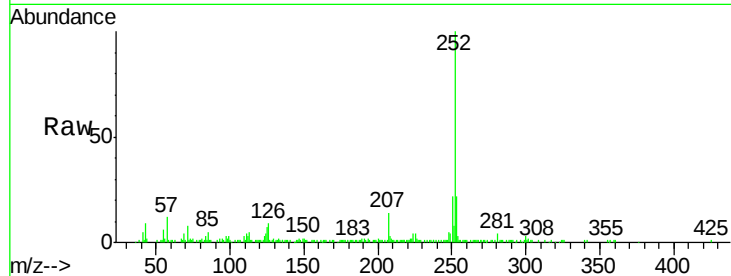
Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:	252	Resp:	57662
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	7.1	8.8	13.2#



#27

Benzo(a)pyrene

Concen: 3.33 ng/ul

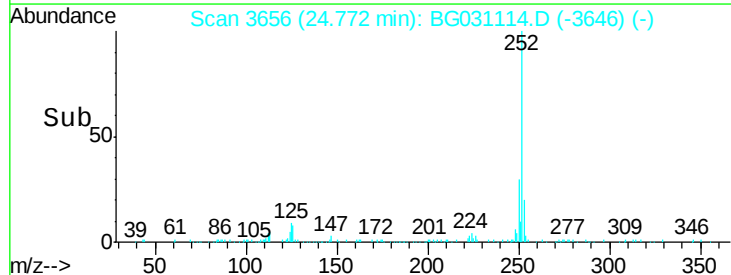
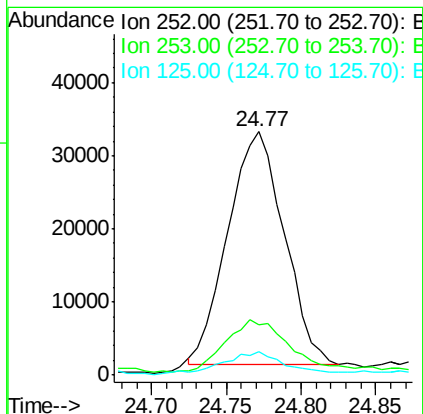
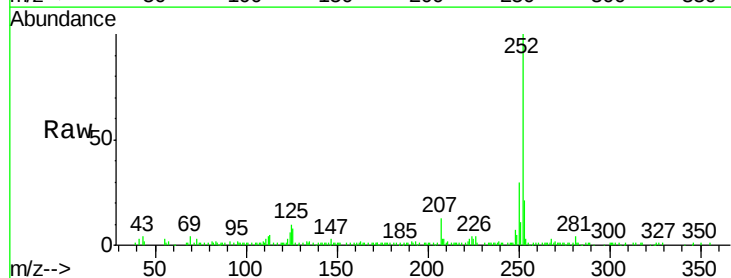
RT: 24.77 min Scan# 3656

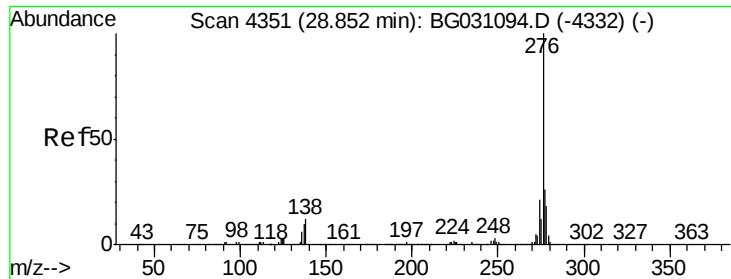
Delta R.T. -0.14 min

Lab File: BG031114.D

Acq: 18 Nov 2017 11:28

Tgt Ion:	252	Resp:	83022
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.1	25.7
125	9.8	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng/ul

RT: 28.85 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BG031114.D

Acq: 18 Nov 2017 11:28

Instrument :

BNA_G

ClientSampleId :

B0FR9

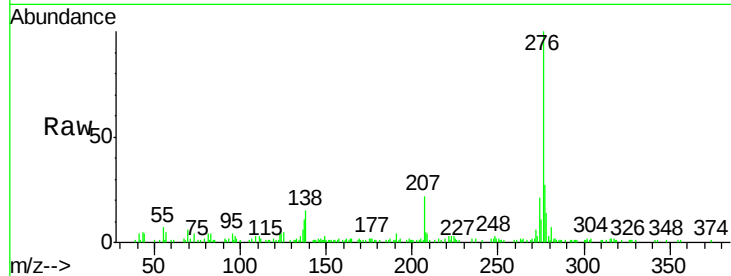
Tgt Ion:276 Resp: 85627

Ion Ratio Lower Upper

276 100

138 14.8 17.8 26.6#

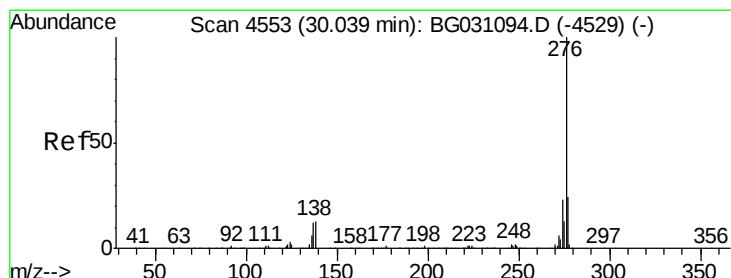
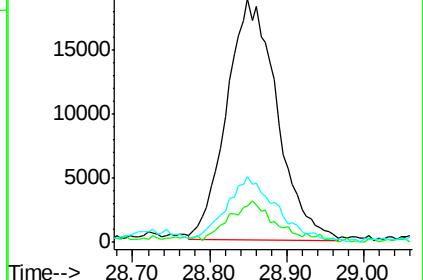
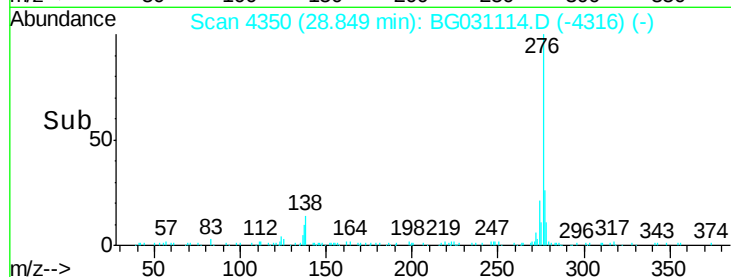
277 27.0 19.4 29.0



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



#30

Benzo(g,h,i)perylene

Concen: 2.65 ng/ul

RT: 30.05 min Scan# 4554

Delta R.T. 0.01 min

Lab File: BG031114.D

Acq: 18 Nov 2017 11:28

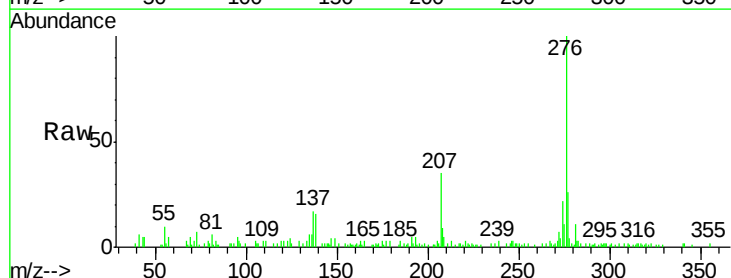
Tgt Ion:276 Resp: 62663

Ion Ratio Lower Upper

276 100

138 16.1 19.0 28.4#

277 25.5 19.7 29.5



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

