

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\
 Data File : BG031066.D
 Acq On : 17 Nov 2017 4:45
 Operator : SJ/JU
 Sample : I6350-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F88

Manual Integrations
 APPROVED

SOHIL
 11/17/2017 5:12:52 PM

Quant Time: Nov 17 06:58:13 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 17 04:52:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	35436	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	150162	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.75	164	110205	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	317050	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	455250	20.00	ng/ul	0.00
23) Perylene-d12	25.06	264	453803	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	41466m	14.64	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	183353	16.00	ng/ul	0.00
10) Fluorene-d10	15.74	176	153834	16.71	ng/ul	0.00
15) Anthracene-d10	17.59	188	261641	16.49	ng/ul	0.00
19) Pyrene-d10	19.87	212	369009	17.74	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	372078	16.57	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	70764	4.159	ng/ul	95
17) Fluoranthene	19.54	202	177736	7.506	ng/ul#	82
20) Pyrene	19.90	202	156043	6.458	ng/ul#	78
21) Benzo(a)anthracene	21.75	228	101495	3.659	ng/ul	98
22) Chrysene	21.82	228	97251	3.686	ng/ul	97
24) Benzo(b)fluoranthene	24.02	252	114859	4.189	ng/ul#	93
25) Benzo(k)fluoranthene	24.08	252	41416	1.533	ng/ul#	90
27) Benzo(a)pyrene	24.90	252	76082	2.895	ng/ul#	90
28) Indeno(1,2,3-cd)pyrene	28.84	276	47379	1.582	ng/ul#	88
30) Benzo(g,h,i)perylene	30.03	276	36893m	1.479	ng/ul	

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

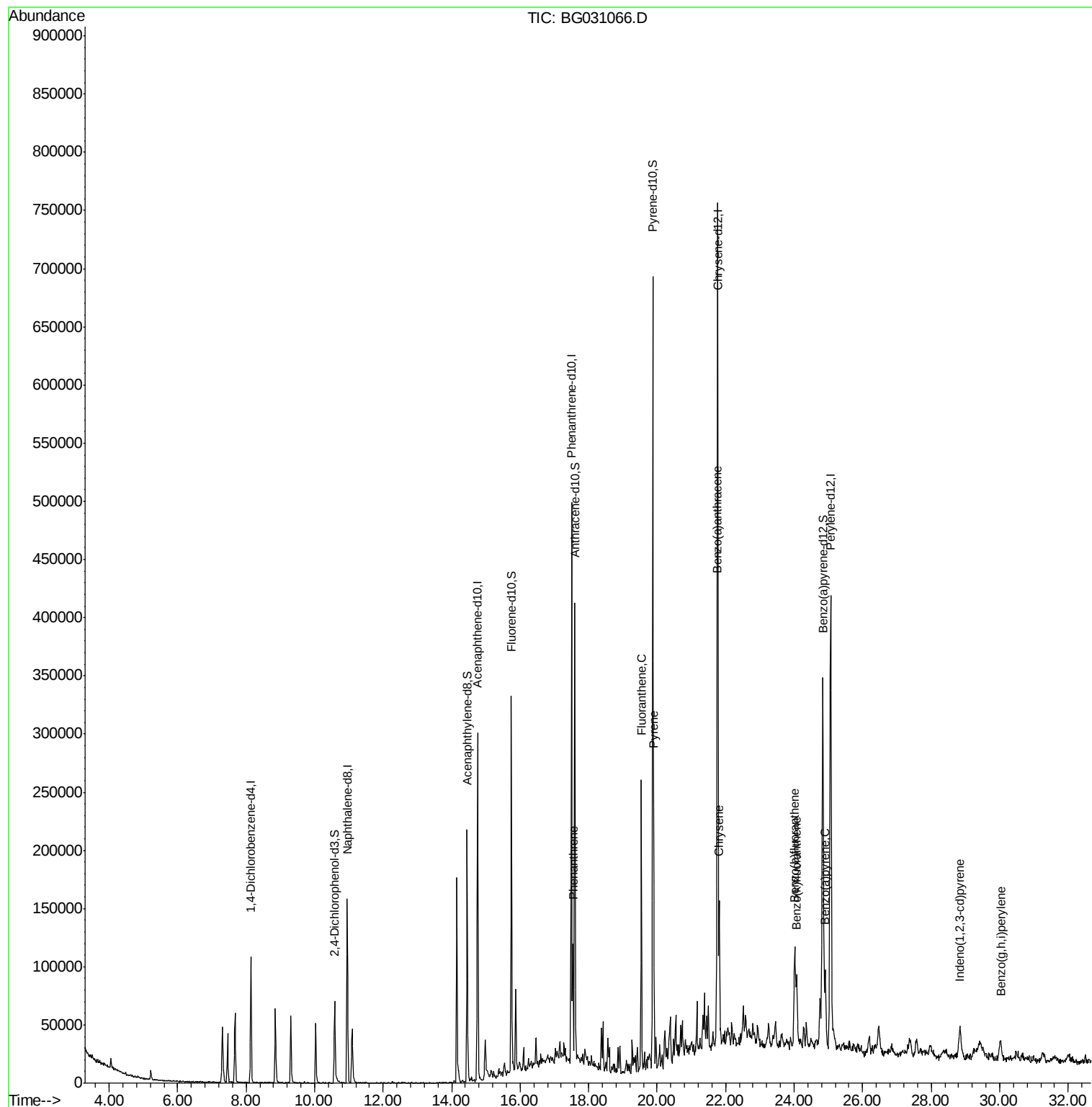
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\
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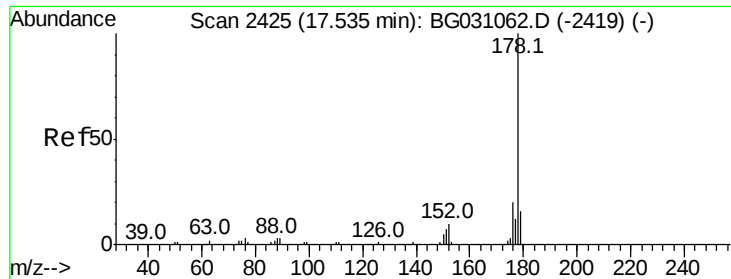
Instrument :
BNA_G
ClientSampled :
B0F88

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 17 04:52:45 2017
Response via : Initial Calibration





#14

Phenanthrene

Concen: 4.159 ng/ul

RT: 17.54 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG031066.D

Acq: 17 Nov 2017 4:45

Instrument :

BNA_G

ClientSampleId :

B0F88

Tot Ion:178 Resp: 70764

Ion Ratio Lower Upper

178 100

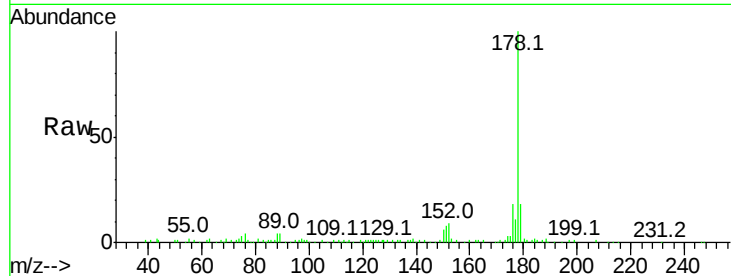
179 17.8 12.2 18.4

176 18.3 16.4 24.6

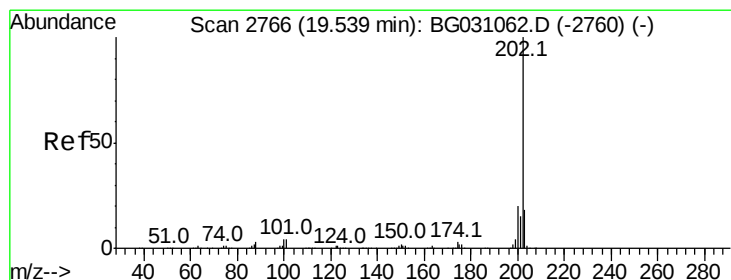
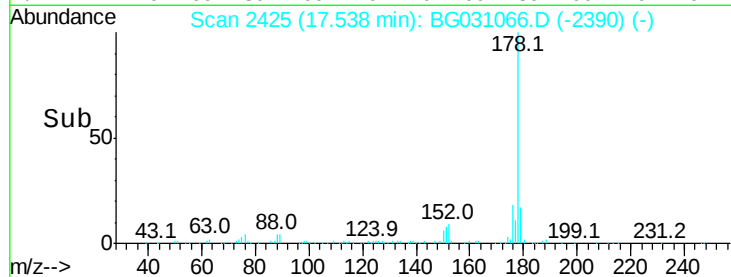
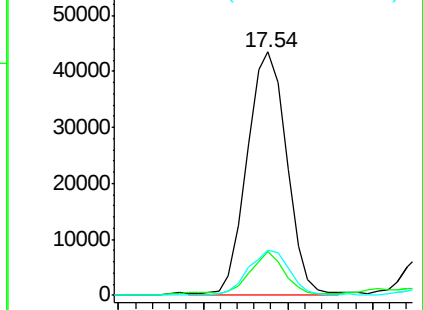
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#17

Fluoranthene

Concen: 7.506 ng/ul

RT: 19.54 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG031066.D

Acq: 17 Nov 2017 4:45

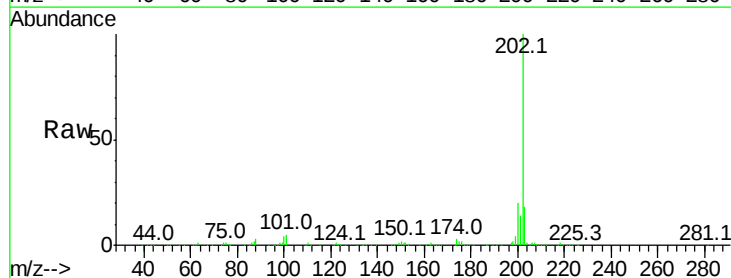
Tgt Ion:202 Resp: 177736

Ion Ratio Lower Upper

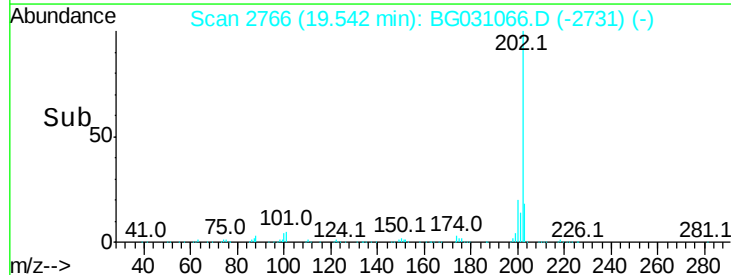
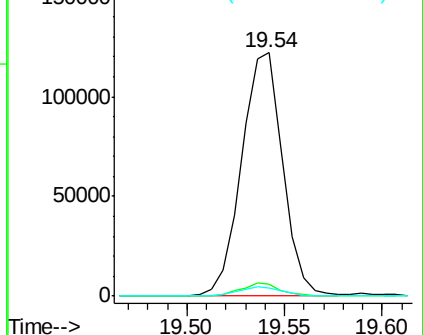
202 100

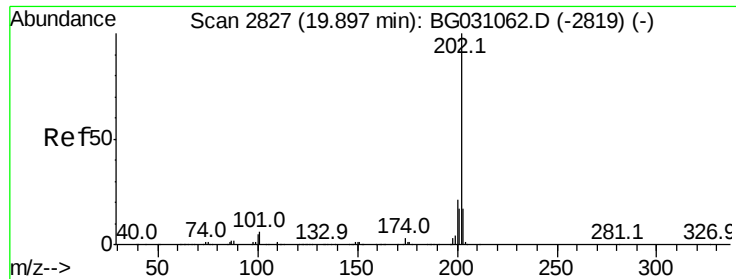
101 4.8 9.8 14.8#

100 3.5 7.5 11.3#



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





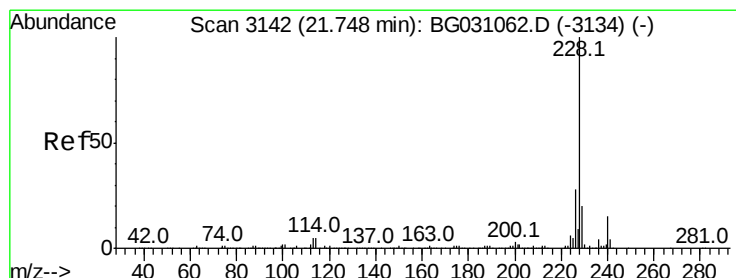
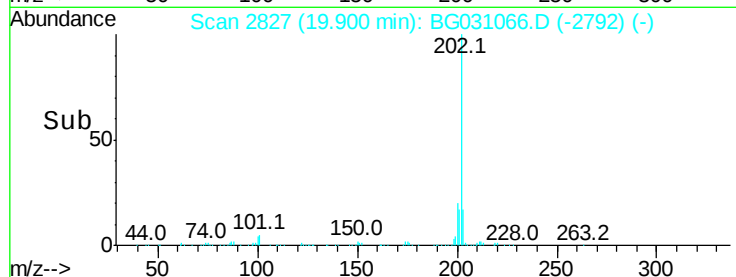
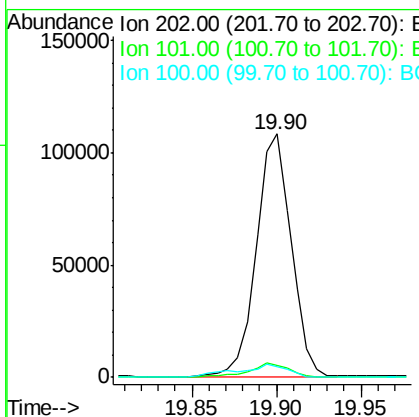
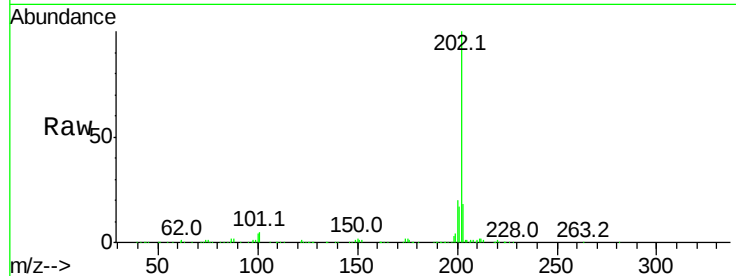
#20
Pvrene
Concen: 6.458 ng/ul
RT: 19.90 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BG031066.D
Acq: 17 Nov 2017 4:45

Instrument :
BNA_G
ClientSampled :
B0F88

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	4.8	11.2	16.8#
100	4.2	9.8	14.6#

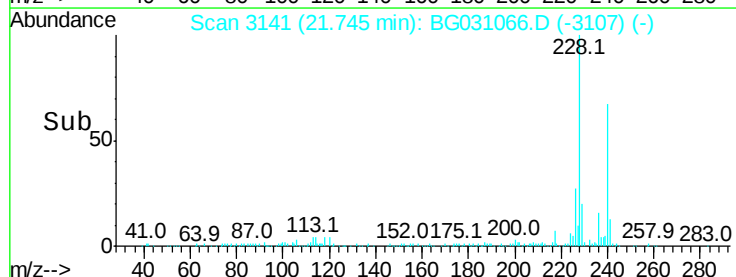
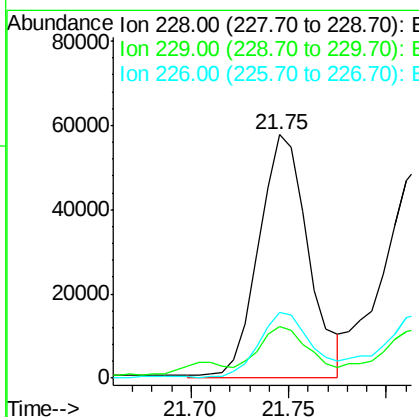
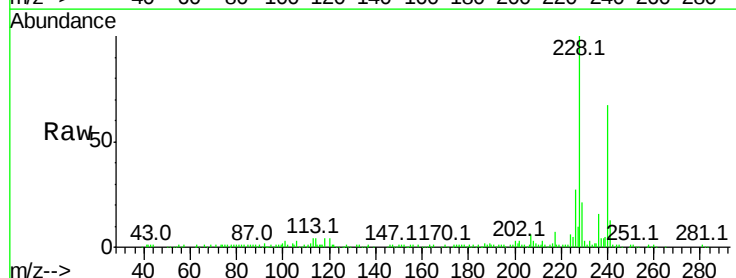
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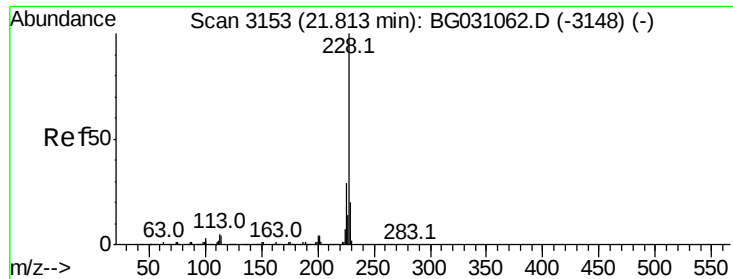
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#21
Benzo(a)anthracene
Concen: 3.659 ng/ul
RT: 21.75 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG031066.D
Acq: 17 Nov 2017 4:45

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.2	15.9	23.9
226	27.2	22.1	33.1





#22

Chrysene

Concen: 3.686 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG031066.D

Acq: 17 Nov 2017 4:45

Instrument :

BNA_G

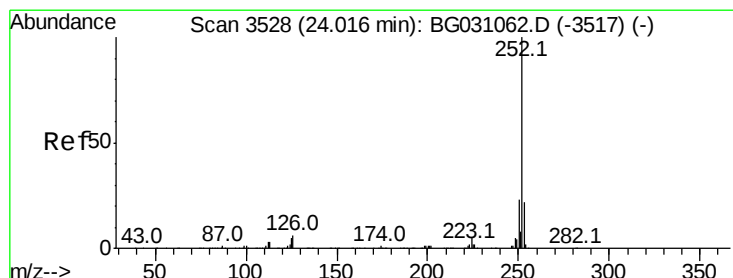
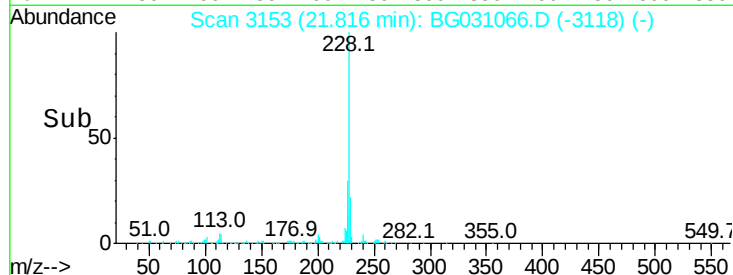
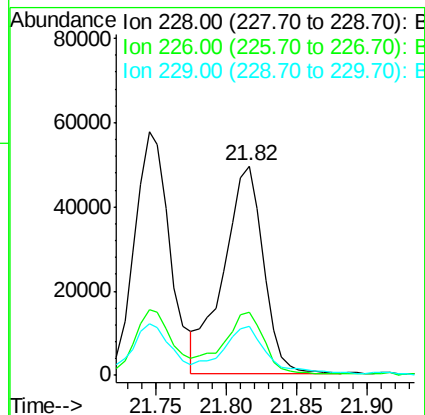
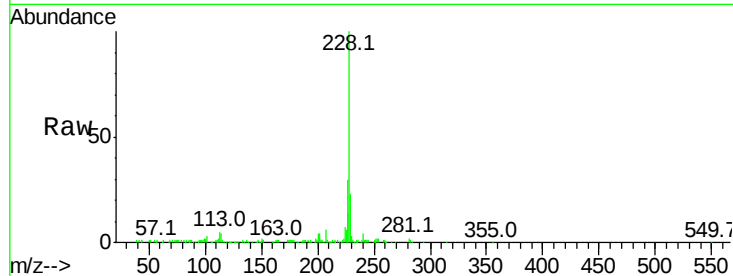
ClientSampleId :

B0F88

Tot Ion:	228	Resp:	97251
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	23.2	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 4.189 ng/ul

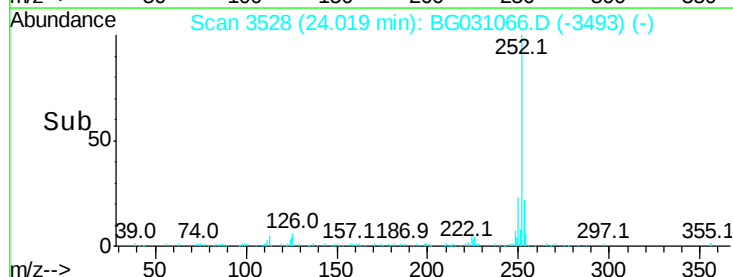
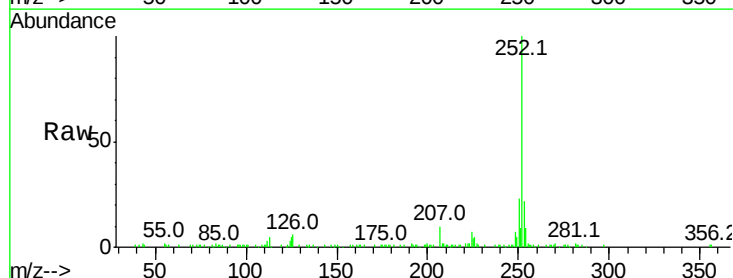
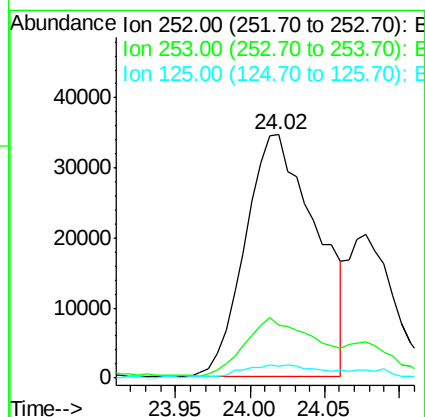
RT: 24.02 min Scan# 3528

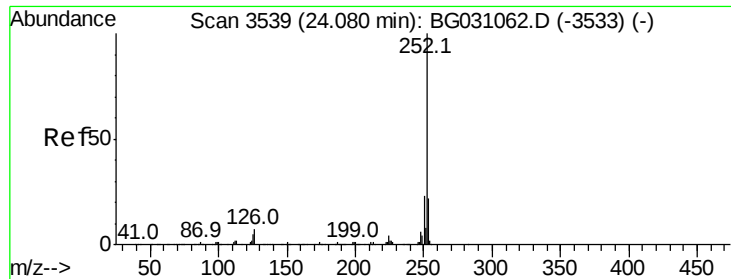
Delta R.T. 0.00 min

Lab File: BG031066.D

Acq: 17 Nov 2017 4:45

Tgt Ion:	252	Resp:	114859
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.6
125	4.7	9.4	14.0#





#25

Benzo(k)fluoranthene

Concen: 1.533 ng/ul

RT: 24.08 min Scan# 3538

Delta R.T. -0.00 min

Lab File: BG031066.D

Acq: 17 Nov 2017 4:45

Instrument :

BNA_G

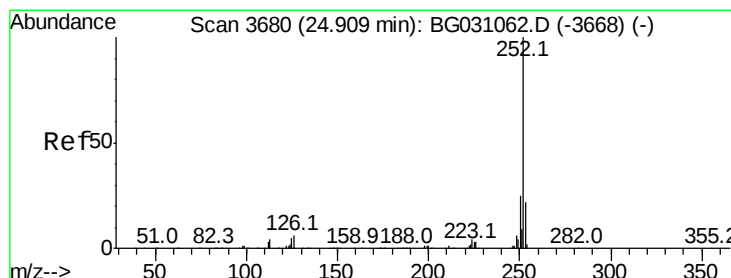
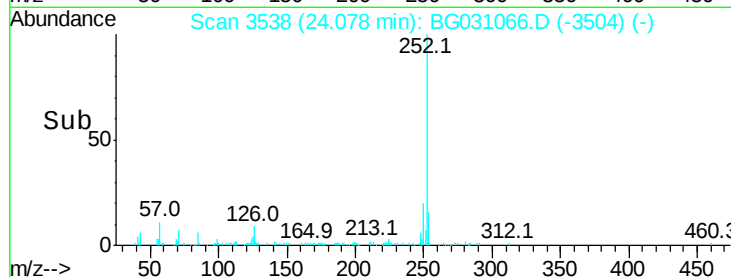
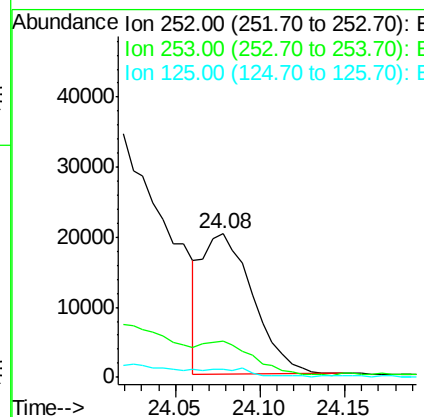
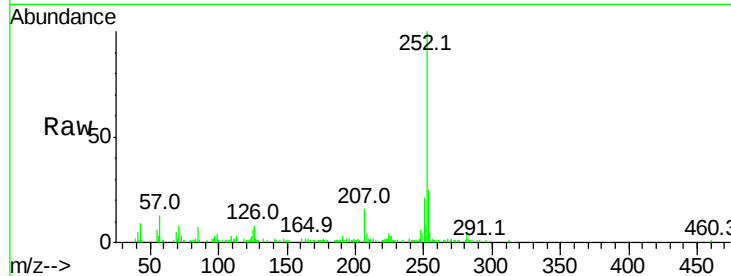
ClientSampled :

B0F88

Tot Ion	Ratio	Resp	Lower	Upper
252	100	41416		
253	25.4		17.4	26.2
125	5.7		8.8	13.2#

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#27

Benzo(a)pyrene

Concen: 2.895 ng/ul

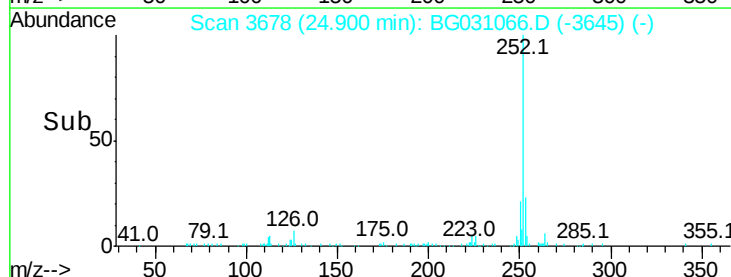
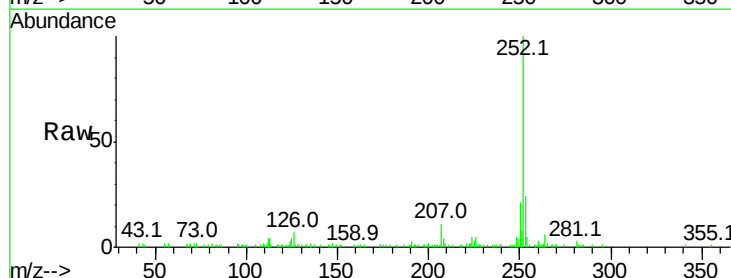
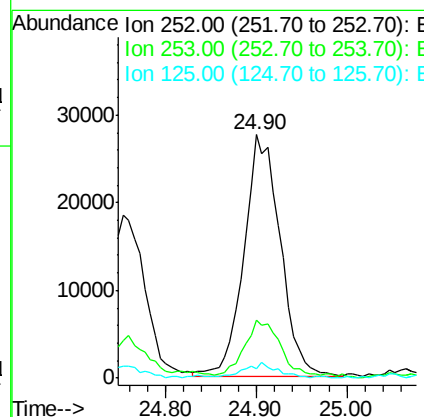
RT: 24.90 min Scan# 3678

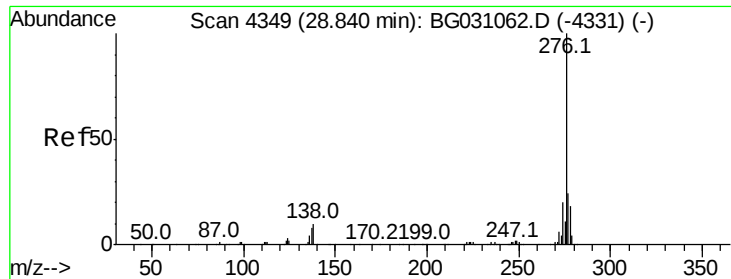
Delta R.T. -0.01 min

Lab File: BG031066.D

Acq: 17 Nov 2017 4:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	76082		
253	23.7		17.1	25.7
125	3.9		9.4	14.2#





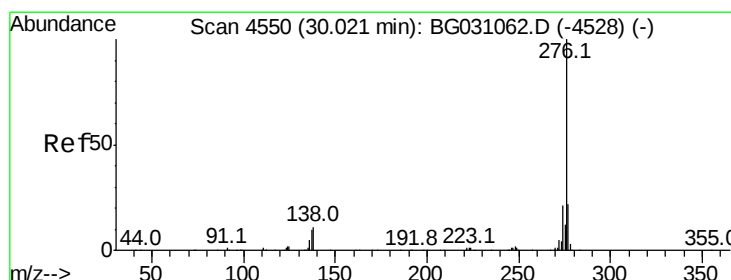
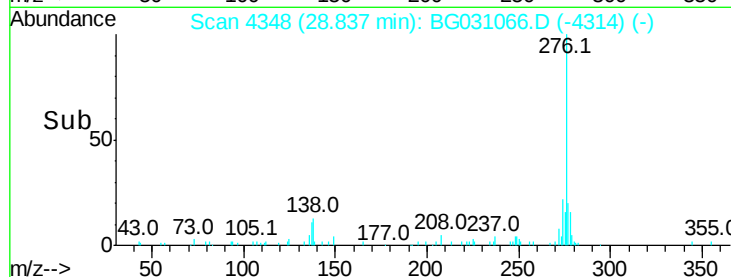
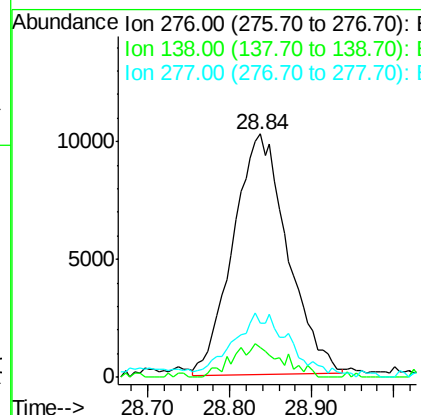
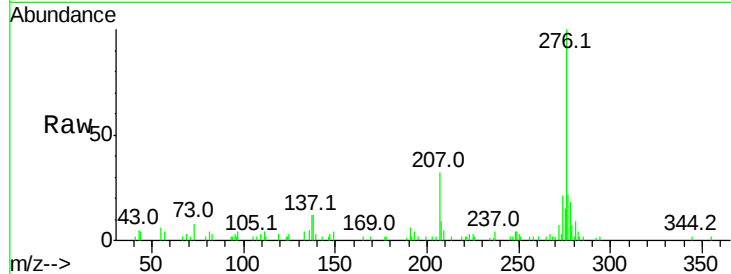
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 1.582 ng/ul
 RT: 28.84 min Scan# 4348
 Delta R.T. -0.00 min
 Lab File: BG031066.D
 Acq: 17 Nov 2017 4:45

Instrument :
 BNA_G
 ClientSampled :
 B0F88

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.5	17.8	26.6#
277	22.3	19.4	29.0

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#30
 Benzo(g,h,i)perylene
 Concen: 1.479 ng/ul m
 RT: 30.03 min Scan# 4551
 Delta R.T. 0.01 min
 Lab File: BG031066.D
 Acq: 17 Nov 2017 4:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.5	19.0	28.4#
277	23.3	19.7	29.5

