

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031143.D
 Acq On : 20 Nov 2017 22:52
 Operator : SJ/JU
 Sample : I6475-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0G50

Manual Integrations
 APPROVED

Sohil
 11/21/2017 2:27:34 PM

Quant Time: Nov 21 07:16:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 21 07:04:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	64474	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	303443	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	203363	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	482996	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	507165	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	514073	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	153246	26.77	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	696406	32.93	ng/ul	0.00
10) Fluorene-d10	15.74	176	515731	30.36	ng/ul	0.00
15) Anthracene-d10	17.60	188	784538	32.45	ng/ul	0.00
19) Pyrene-d10	19.87	212	895919	38.67	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	856844	33.69	ng/ul	0.00
Target Compounds						
14) Phenanthrene	17.54	178	30639	1.182	ng/ul	98
17) Fluoranthene	19.54	202	62416	1.730	ng/ul#	89
20) Pyrene	19.90	202	65234	2.423	ng/ul#	86
21) Benzo(a)anthracene	21.75	228	53900	1.744	ng/ul	97
22) Chrysene	21.82	228	57812	1.967	ng/ul	92
24) Benzo(b)fluoranthene	24.02	252	116497m	3.751	ng/ul	
25) Benzo(k)fluoranthene	24.09	252	34107	1.115	ng/ul	94
27) Benzo(a)pyrene	24.92	252	89069m	2.992	ng/ul	
28) Indeno(1,2,3-cd)pyrene	28.85	276	73941	2.179	ng/ul#	92
30) Benzo(g,h,i)perylene	30.04	276	68940	2.440	ng/ul#	90

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

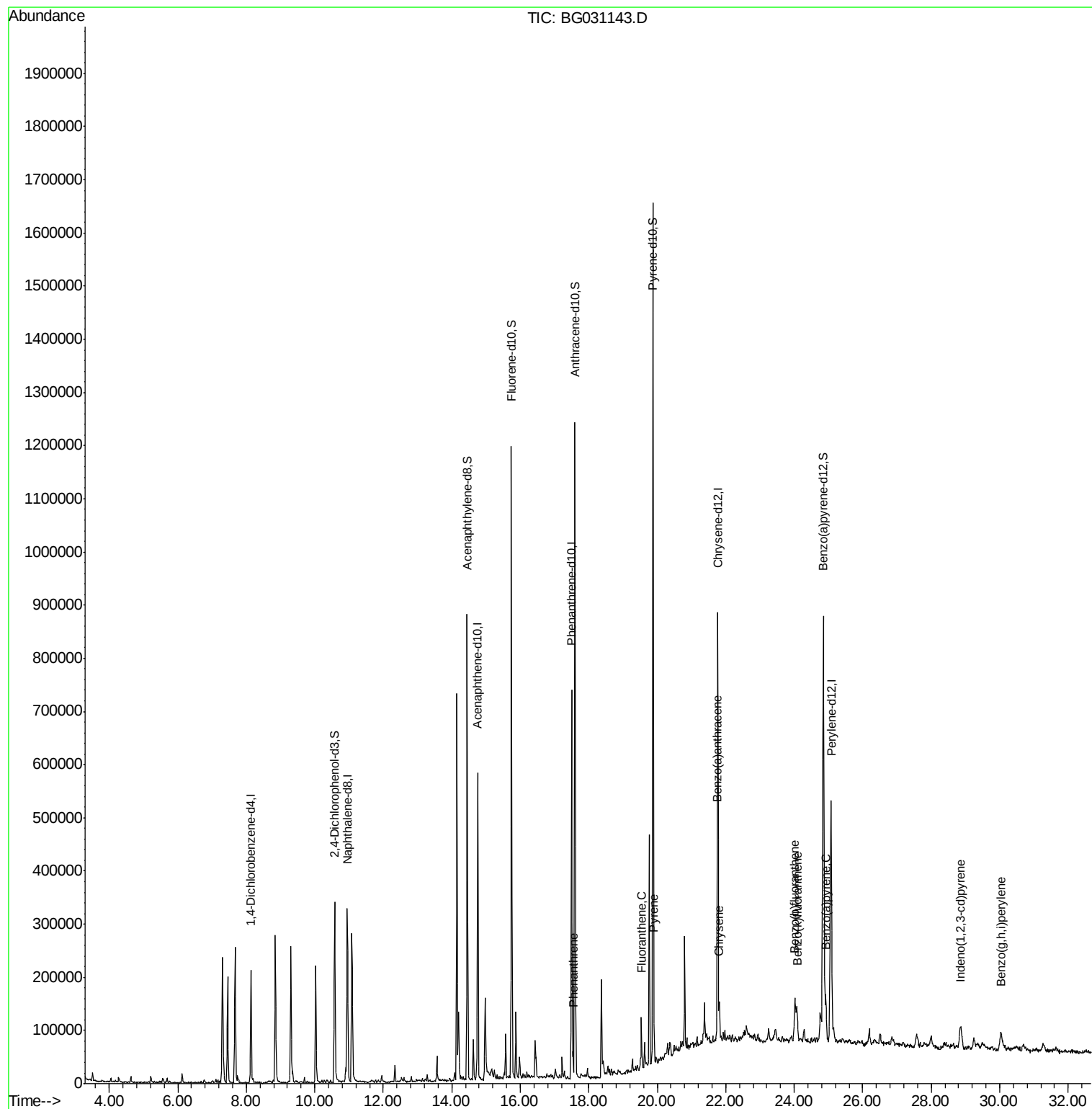
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

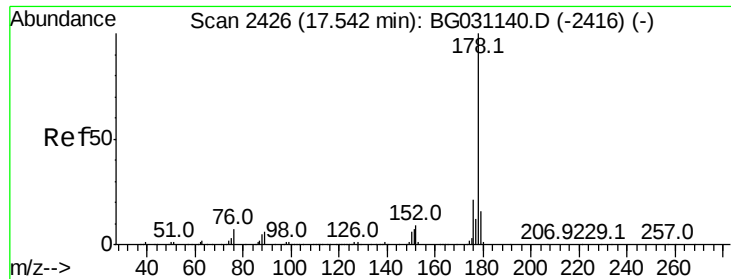
Instrument :
BNA_G
ClientSampleId :
B0G50

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Quant Time: Nov 21 07:16:17 2017
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#14

Phenanthrene

Concen: 1.182 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG031143.D

Acq: 20 Nov 2017 22:52

Instrument :

BNA_G

ClientSampleId :

B0G50

Tot Ion:178 Resp: 30639

Ion Ratio Lower Upper

178 100

179 13.6 12.2 18.4

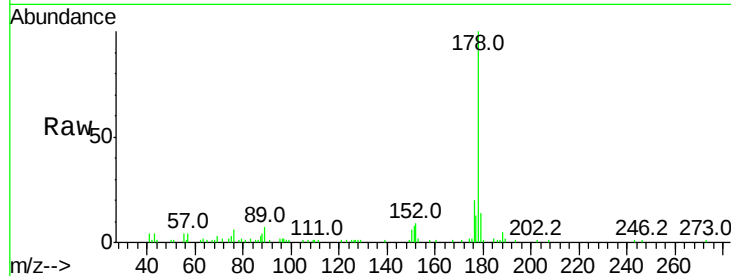
176 20.2 16.4 24.6

Manual Integrations

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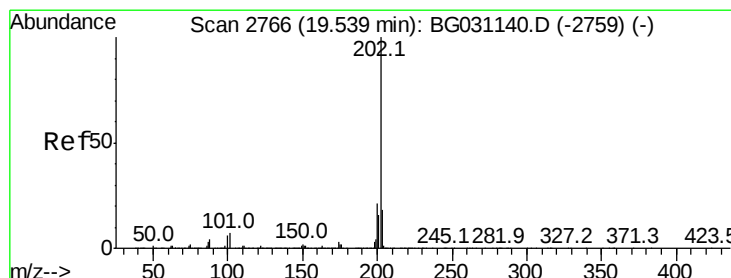
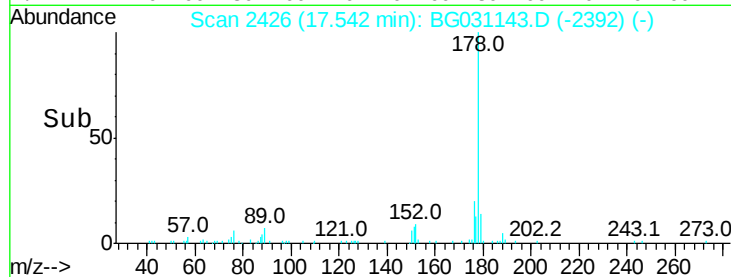
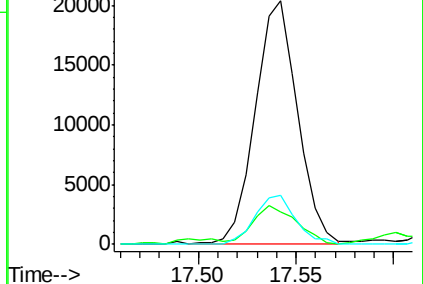
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17

Fluoranthene

Concen: 1.730 ng/ul

RT: 19.54 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG031143.D

Acq: 20 Nov 2017 22:52

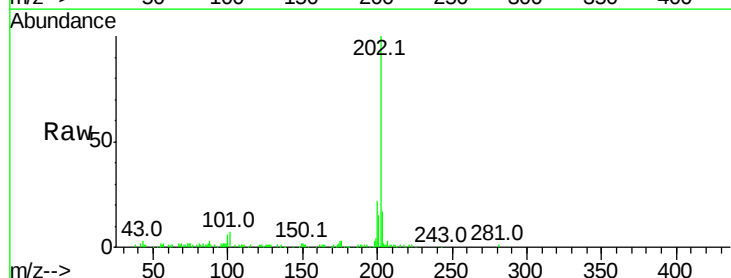
Tgt Ion:202 Resp: 62416

Ion Ratio Lower Upper

202 100

101 7.2 9.8 14.8#

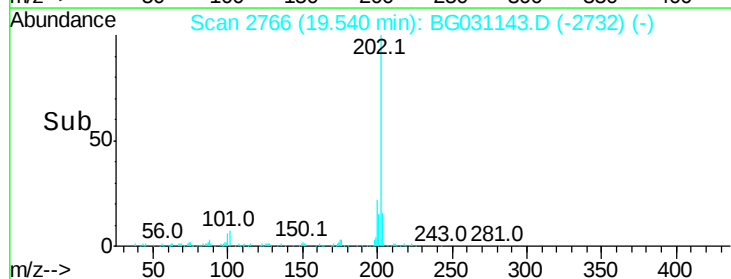
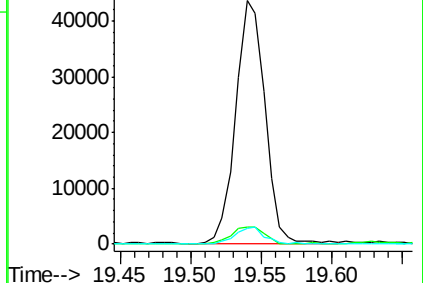
100 6.4 7.5 11.3#

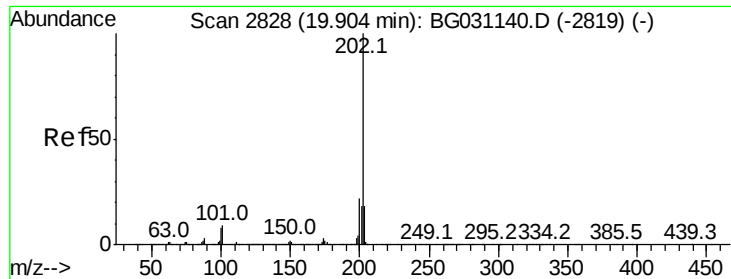


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





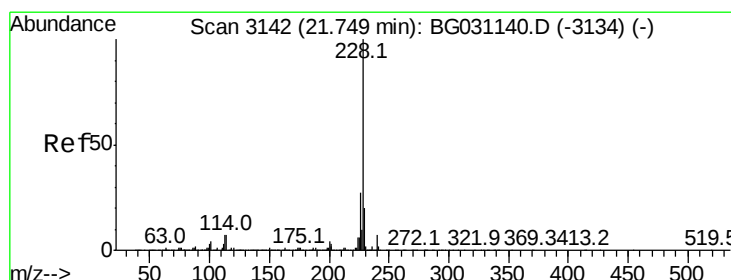
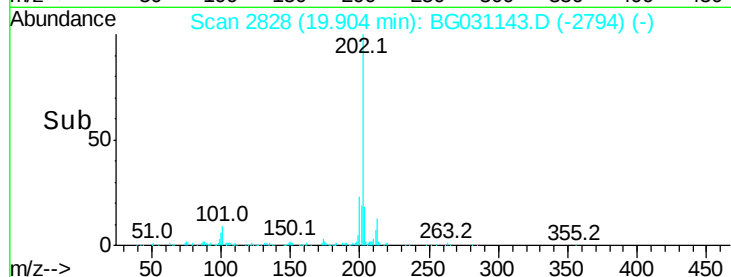
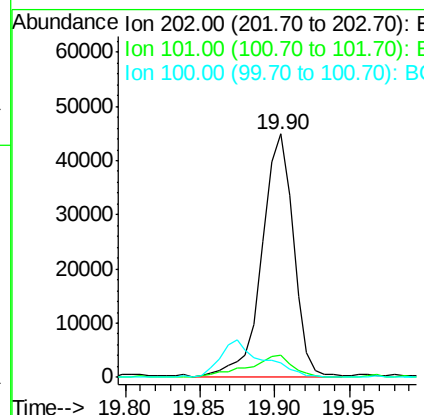
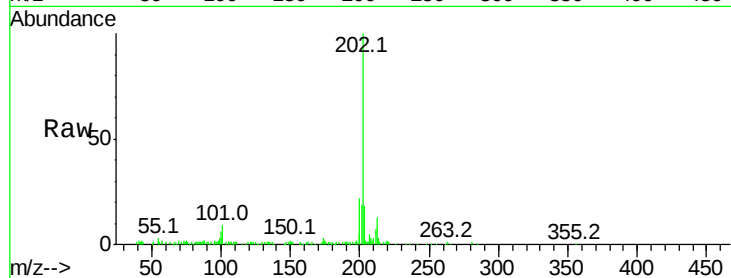
#20
Pvrene
Concen: 2.423 ng/ul
RT: 19.90 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BG031143.D
Acq: 20 Nov 2017 22:52

Instrument :
BNA_G
ClientSampleId :
B0G50

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	11.2	16.8#
100	6.0	9.8	14.6#

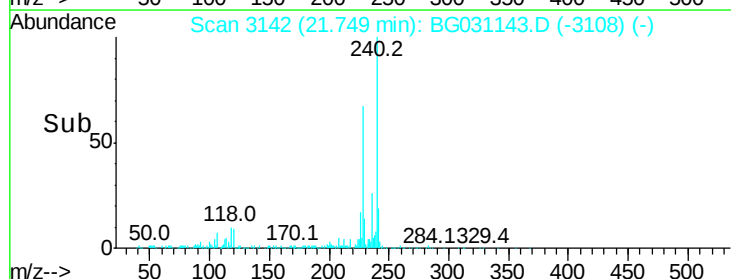
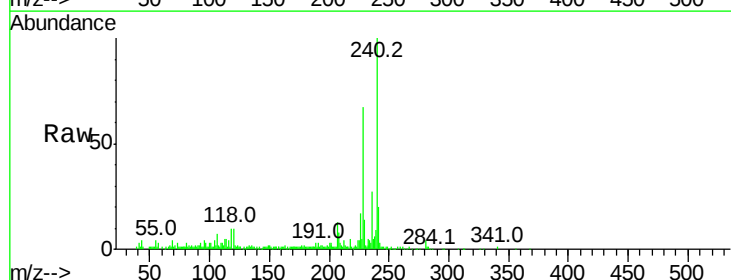
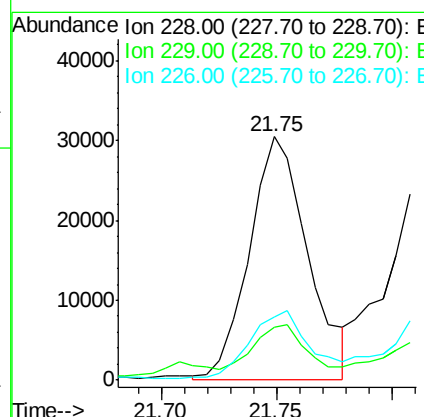
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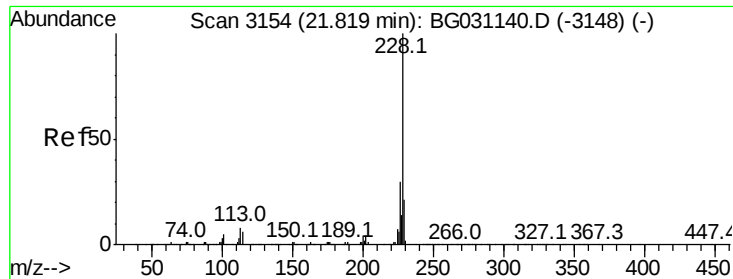
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#21
Benzo(a)anthracene
Concen: 1.744 ng/ul
RT: 21.75 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG031143.D
Acq: 20 Nov 2017 22:52

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.7	15.9	23.9
226	26.0	22.1	33.1





#22

Chrysene

Concen: 1.967 ng/ul

RT: 21.82 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG031143.D

Acq: 20 Nov 2017 22:52

Instrument :

BNA_G

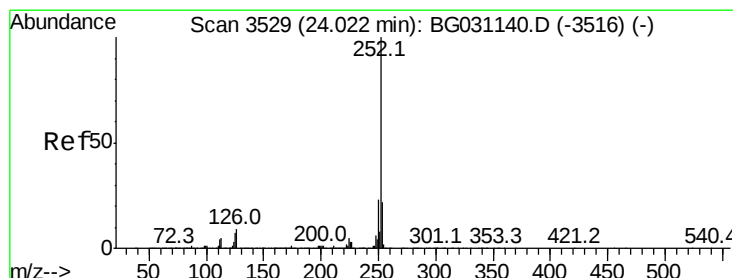
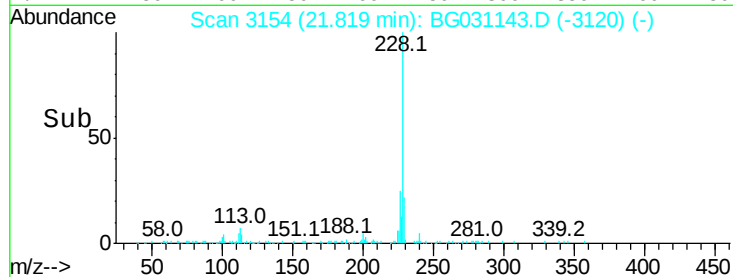
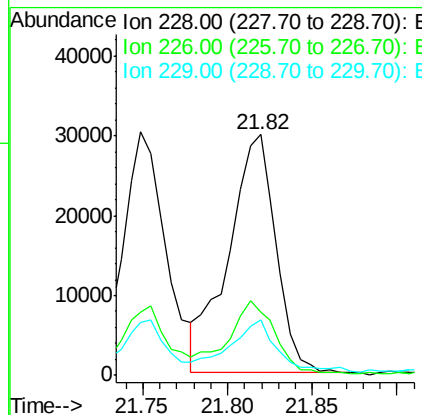
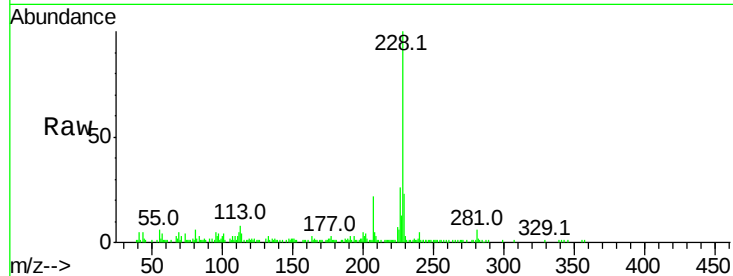
ClientSampled :

B0G50

Tot Ion:	228	Resp:	57812
Ion Ratio	Lower	Upper	
228	100		
226	26.2	25.0	37.6
229	23.2	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 3.751 ng/ul m

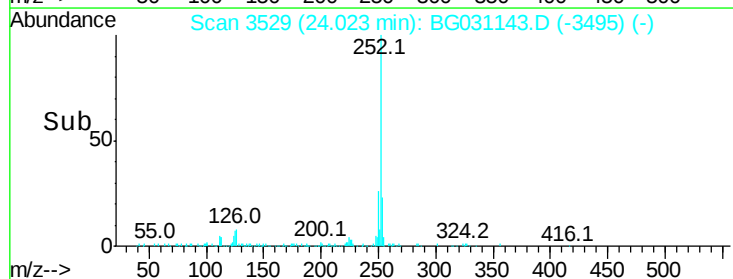
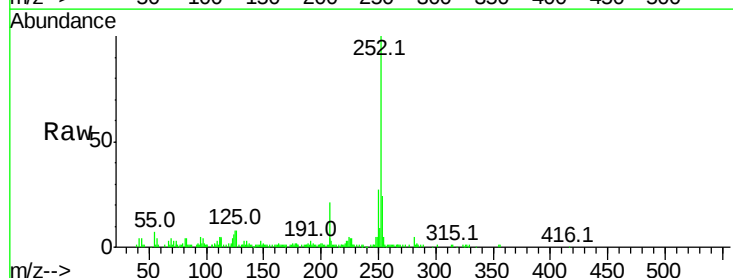
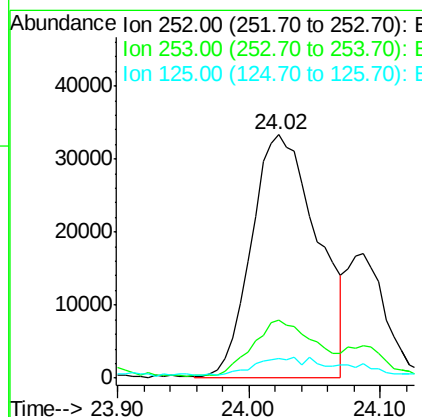
RT: 24.02 min Scan# 3529

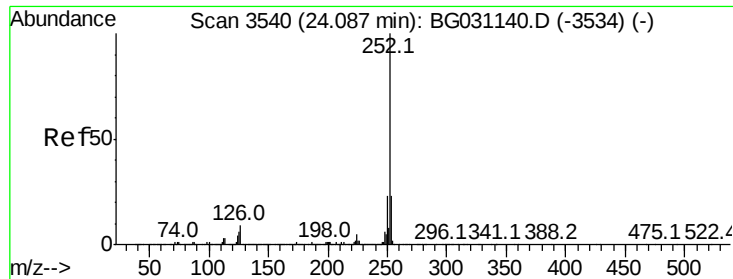
Delta R.T. 0.00 min

Lab File: BG031143.D

Acq: 20 Nov 2017 22:52

Tgt Ion:	252	Resp:	116497
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.6
125	8.1	9.4	14.0#





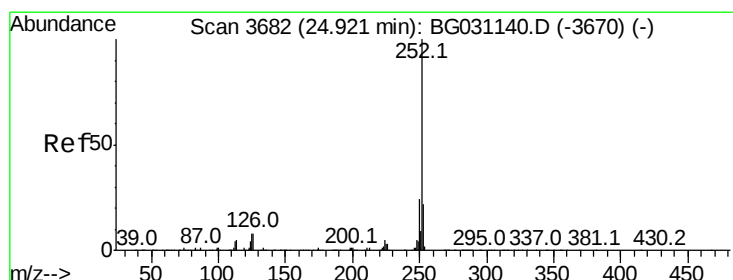
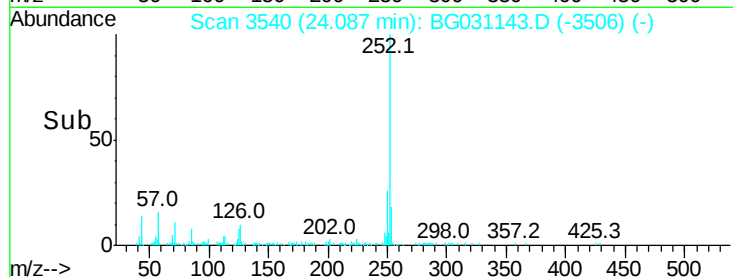
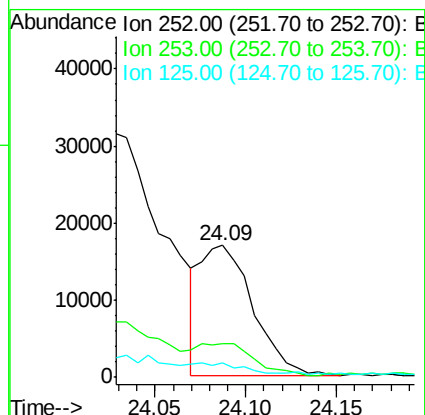
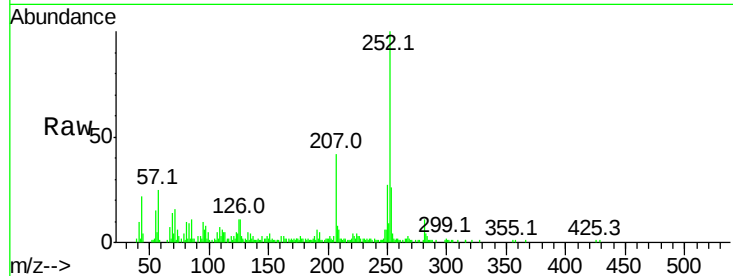
#25
Benzo(k)fluoranthene
Concen: 1.115 ng/ul
RT: 24.09 min Scan# 3540
Delta R.T. 0.00 min
Lab File: BG031143.D
Acq: 20 Nov 2017 22:52

Instrument :
BNA_G
ClientSampleId :
B0G50

Tot Ion:	252	Resp:	34107
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.4	26.2
125	11.2	8.8	13.2

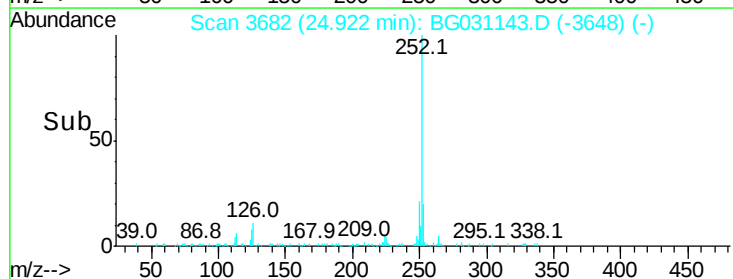
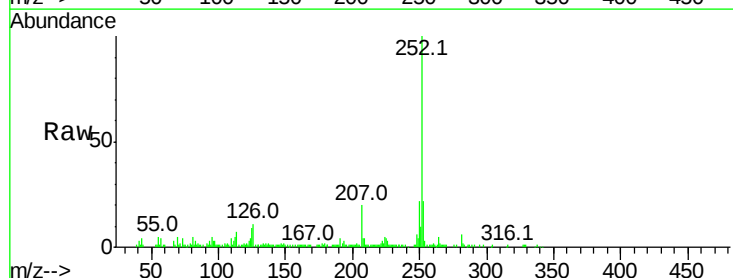
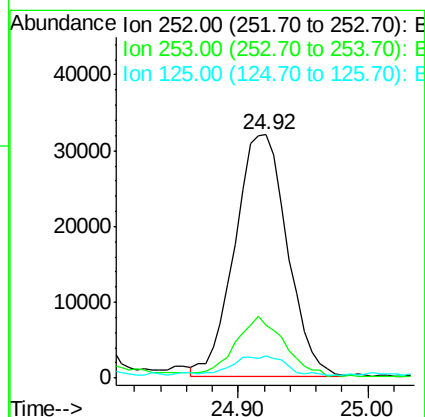
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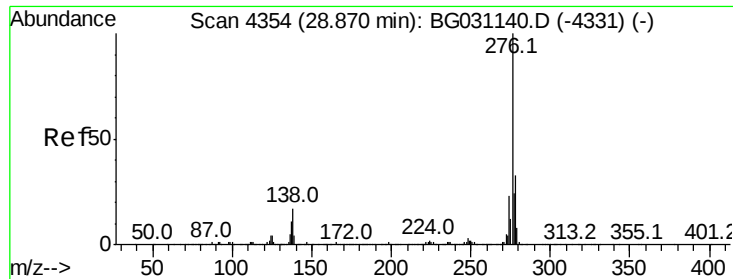
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#27
Benzo(a)pyrene
Concen: 2.992 ng/ul m
RT: 24.92 min Scan# 3682
Delta R.T. 0.00 min
Lab File: BG031143.D
Acq: 20 Nov 2017 22:52

Tgt Ion:	252	Resp:	89069
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.1	25.7
125	9.2	9.4	14.2#





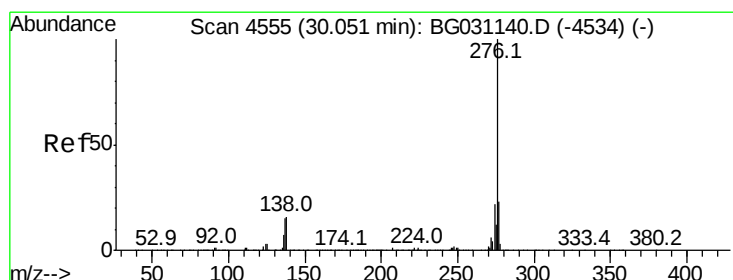
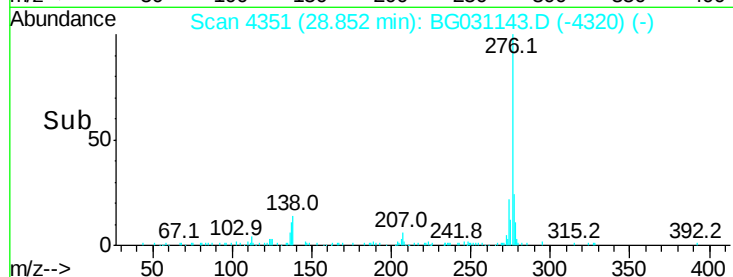
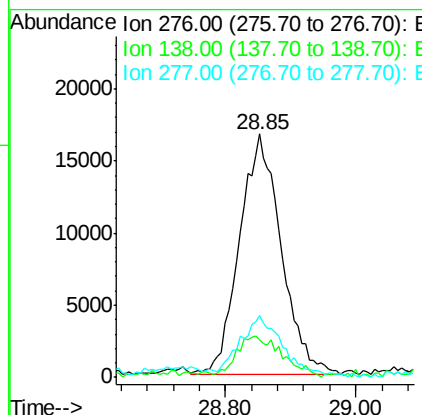
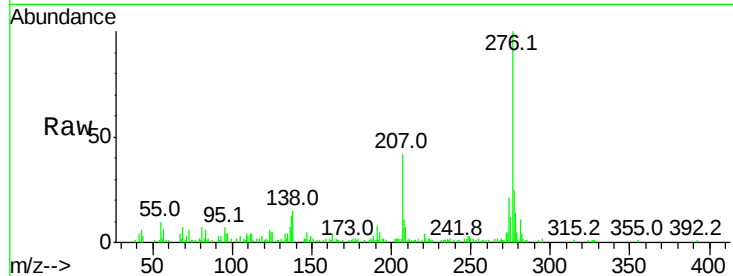
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 2.179 ng/ul
 RT: 28.85 min Scan# 4351
 Delta R.T. -0.02 min
 Lab File: BG031143.D
 Acq: 20 Nov 2017 22:52

Instrument :
 BNA_G
 ClientSampled :
 B0G50

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	17.8	26.6#
277	25.4	19.4	29.0

Manual Integrations
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#30
 Benzo(g,h,i)perylene
 Concen: 2.440 ng/ul
 RT: 30.04 min Scan# 4553
 Delta R.T. -0.01 min
 Lab File: BG031143.D
 Acq: 20 Nov 2017 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	19.0	28.4#
277	22.4	19.7	29.5

