

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030817\
 Data File : BG026132.D
 Acq On : 9 Mar 2017 3:31
 Operator : SJ/MA
 Sample : I2062-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Manual Integrations
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Quant Time: Mar 15 16:30:29 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 16:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	127177	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	542183	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	320900	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	814386	20.00	ng/ul	0.00
18) Chrysene-d12	21.65	240	908087	20.00	ng/ul	0.00
23) Perylene-d12	24.84	264	911624	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	204069	25.41	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	895046	32.71	ng/ul	0.00
10) Fluorene-d10	15.65	176	673826	33.76	ng/ul	0.00
15) Anthracene-d10	17.50	188	1055984	29.18	ng/ul	0.00
19) Pyrene-d10	19.77	212	1220226	26.33	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	1168964	29.73	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	343747	12.96	ng/ul	98
5) 2-Methylnaphthalene	12.51	142	151166	7.68	ng/ul	99
8) Acenaphthylene	14.39	152	52065	1.86	ng/ul#	94
9) Acenaphthene	14.73	153	181652	9.20	ng/ul	98
11) Fluorene	15.71	166	465322	20.87	ng/ul	99
14) Phenanthrene	17.45	178	3203272m	74.22	ng/ul	
16) Anthracene	17.53	178	954450	21.89	ng/ul	100
17) Fluoranthene	19.44	202	3072309	68.57	ng/ul	95
20) Pyrene	19.80	202	2477807	42.86	ng/ul	97
21) Benzo(a)anthracene	21.63	228	1405677	27.81	ng/ul	97
22) Chrysene	21.69	228	1155362	24.50	ng/ul	98
24) Benzo(b)fluoranthene	23.83	252	1285242	24.83	ng/ul	99
25) Benzo(k)fluoranthene	23.88	252	515514m	10.43	ng/ul	
27) Benzo(a)pyrene	24.68	252	954004	19.84	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.46	276	534257	10.06	ng/ul	99
29) Dibenzo(a,h)anthracene	28.51	278	151199	3.59	ng/ul	93
30) Benzo(g,h,i)perylene	29.59	276	408975	9.00	ng/ul	98

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

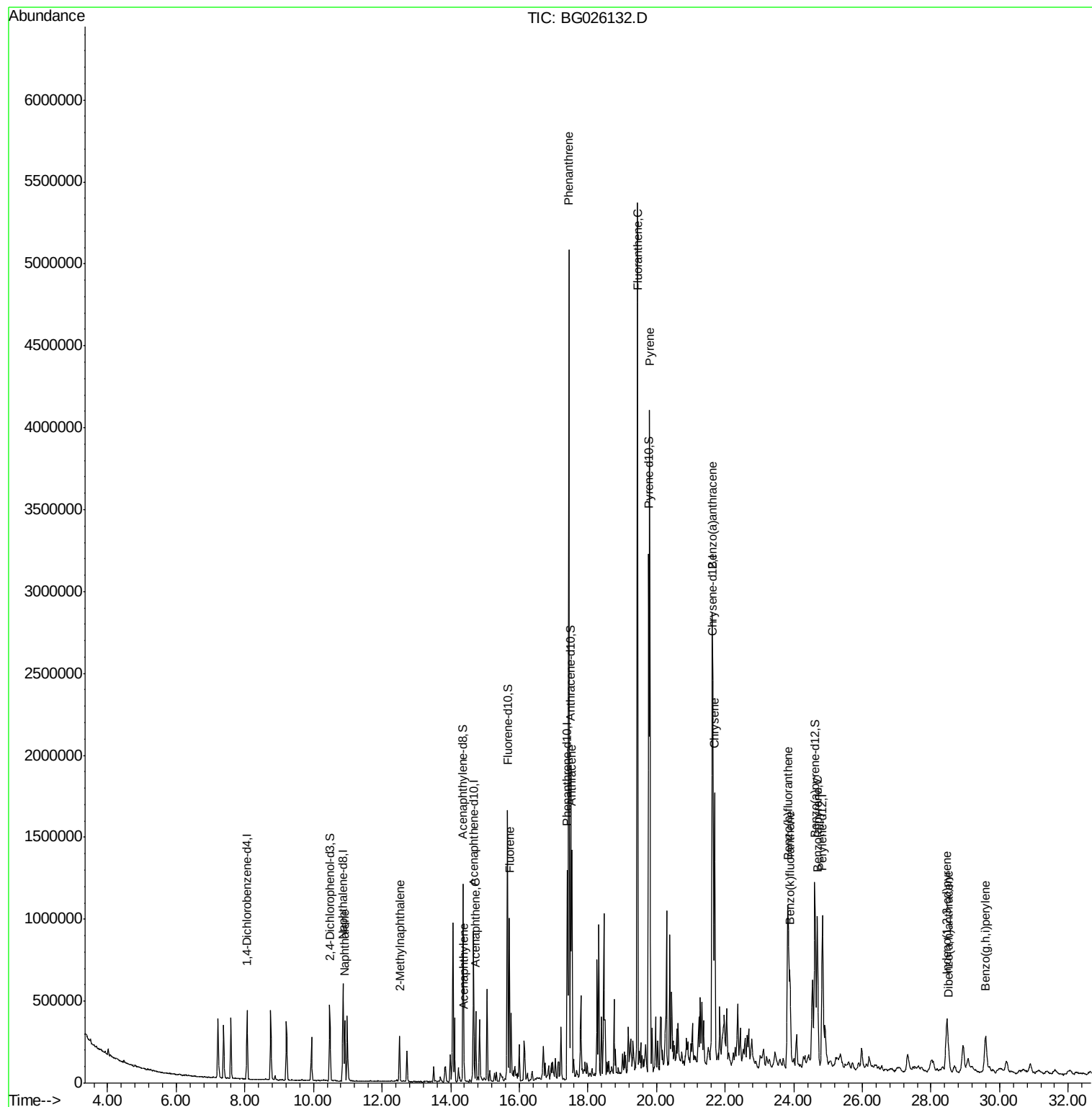
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030817\
Data File : BG026132.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

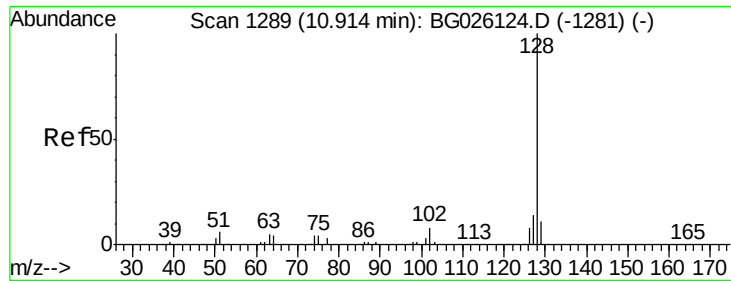
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Mar 15 16:30:29 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 16:21:45 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 12.96 ng/ul

RT: 10.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BG026132.D

Acq: 9 Mar 2017 3:31

Instrument :

BNA_G

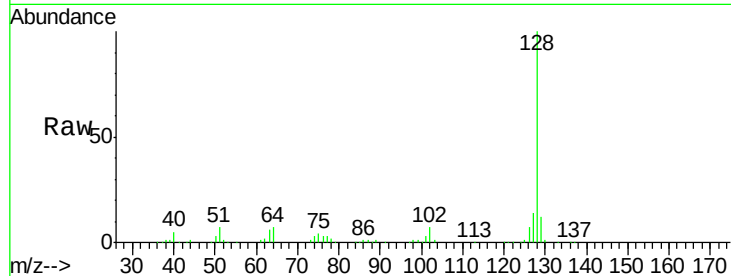
ClientSampled :

C0AC7

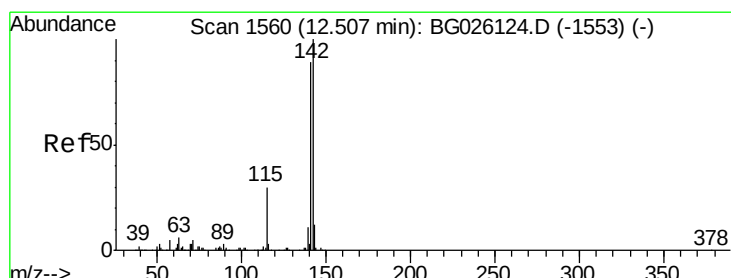
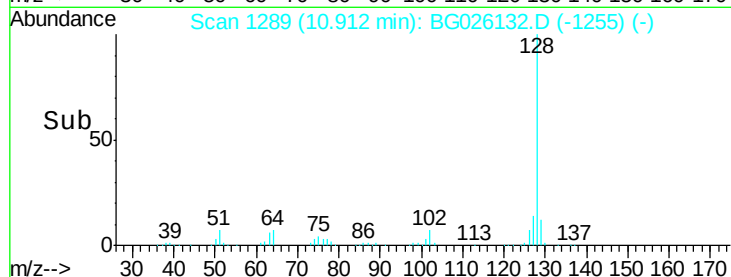
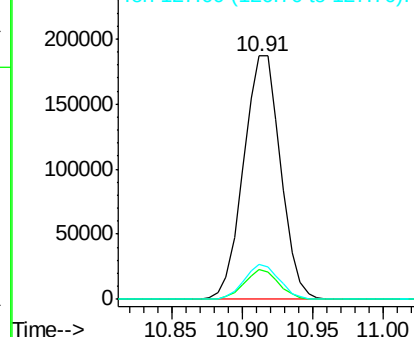
Tgt Ion:	128	Resp:	343747
Ion Ratio	Lower	Upper	
128	100		
129	12.2	9.1	13.7
127	14.2	10.6	15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 7.68 ng/ul

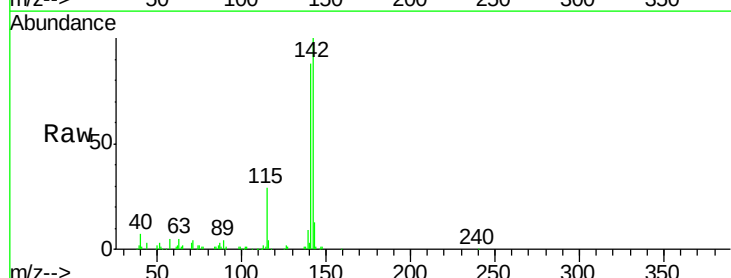
RT: 12.51 min Scan# 1561

Delta R.T. 0.00 min

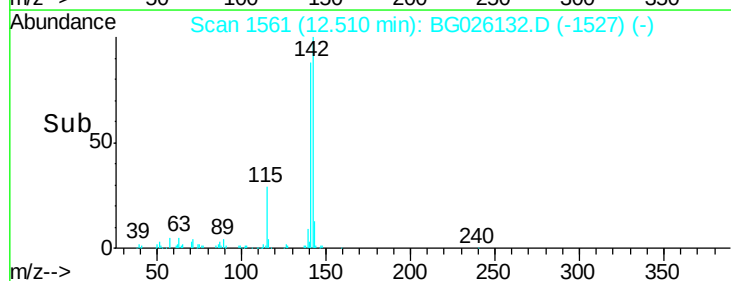
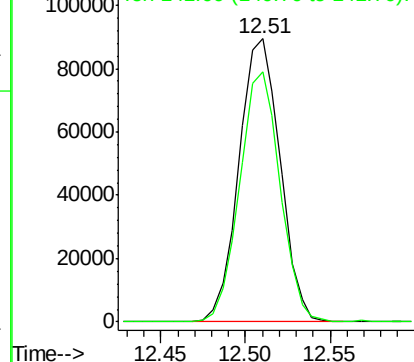
Lab File: BG026132.D

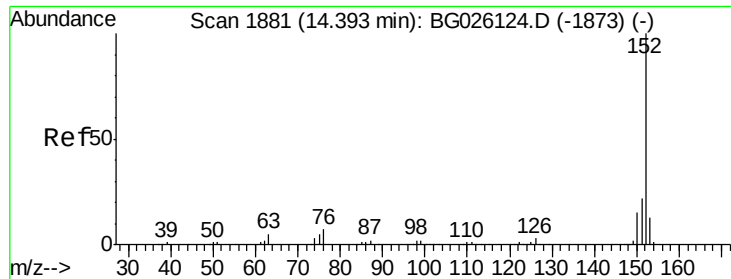
Acq: 9 Mar 2017 3:31

Tgt Ion:	142	Resp:	151166
Ion Ratio	Lower	Upper	
142	100		
141	88.2	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.86 ng/ul

RT: 14.39 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BG026132.D

Acq: 9 Mar 2017 3:31

Instrument :

BNA_G

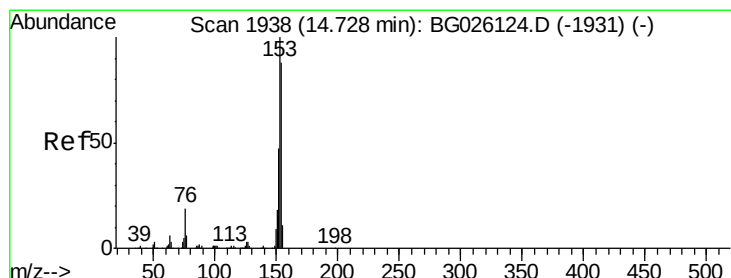
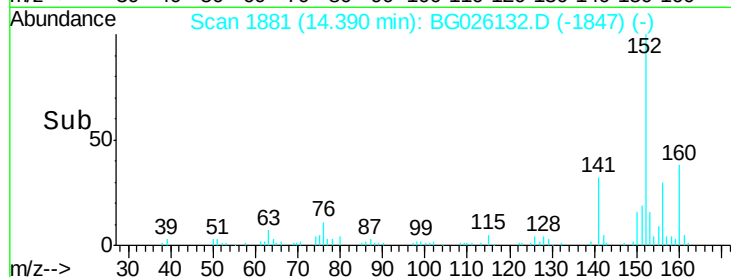
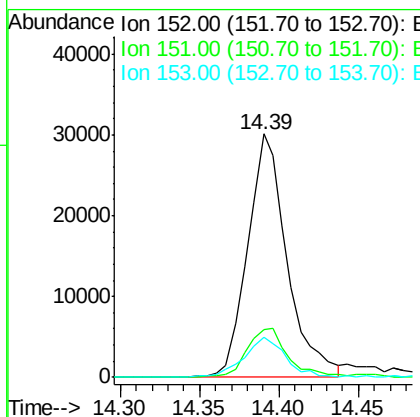
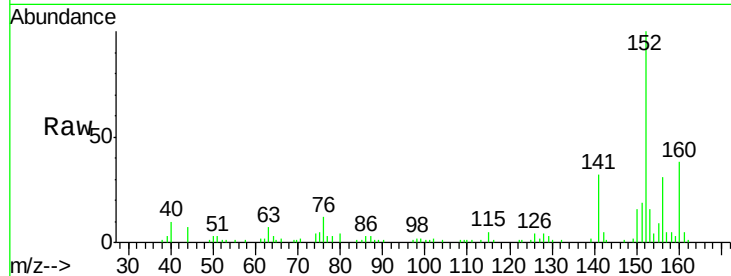
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	52065		
151	19.5		17.5	26.3
153	16.5		10.6	16.0

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#9

Acenaphthene

Concen: 9.20 ng/ul

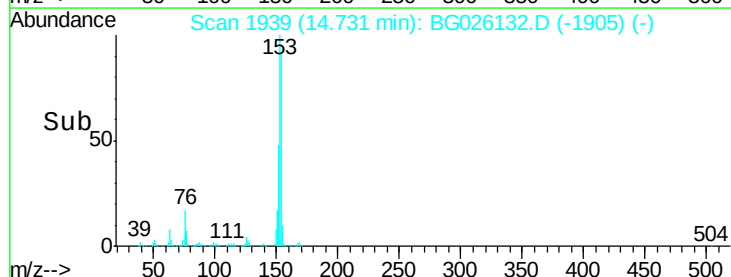
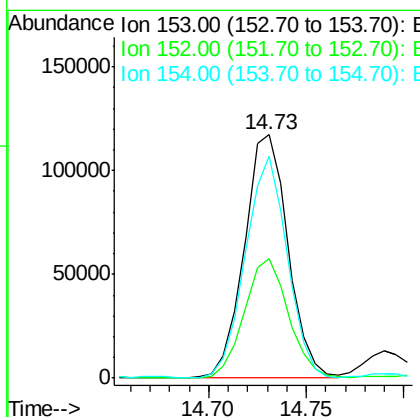
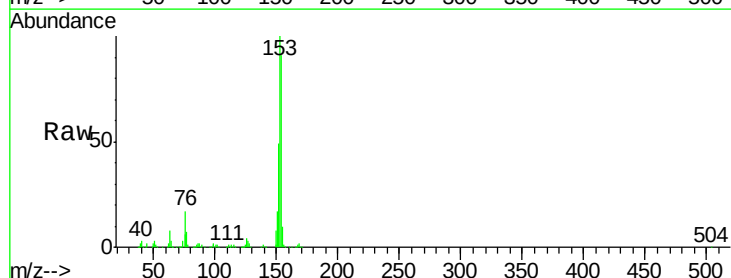
RT: 14.73 min Scan# 1939

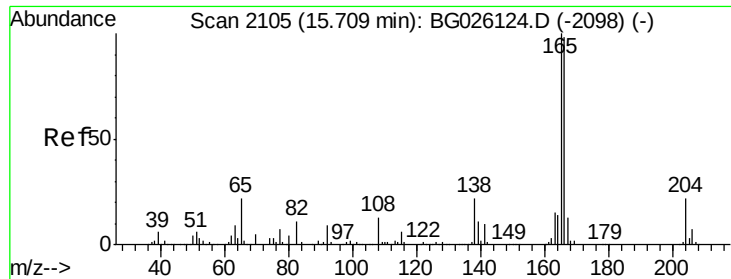
Delta R.T. 0.00 min

Lab File: BG026132.D

Acq: 9 Mar 2017 3:31

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	181652		
152	48.9		37.9	56.9
154	91.1		71.6	107.4





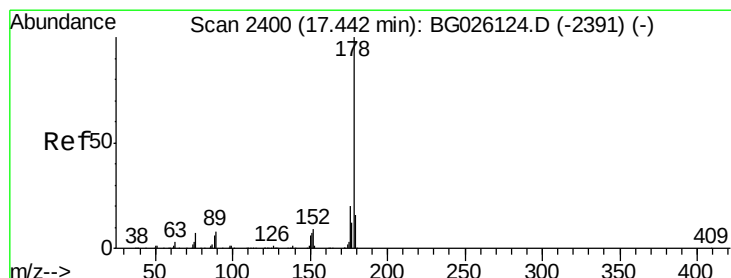
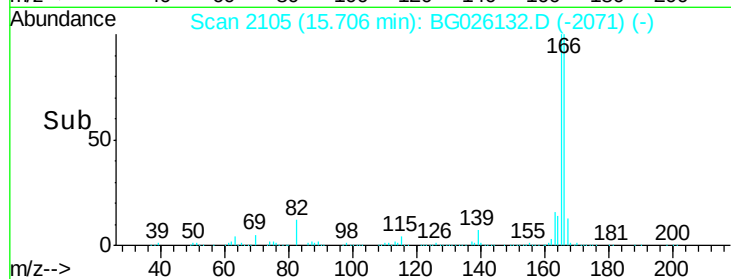
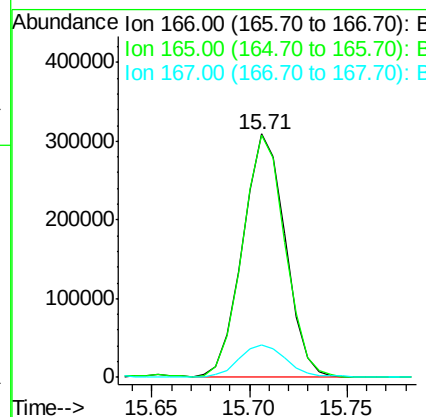
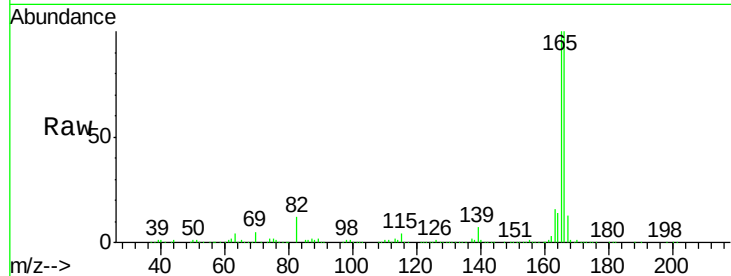
#11
 Fluorene
 Concen: 20.87 ng/ul
 RT: 15.71 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.7	80.0	120.0	
167	13.4	11.6	17.4	

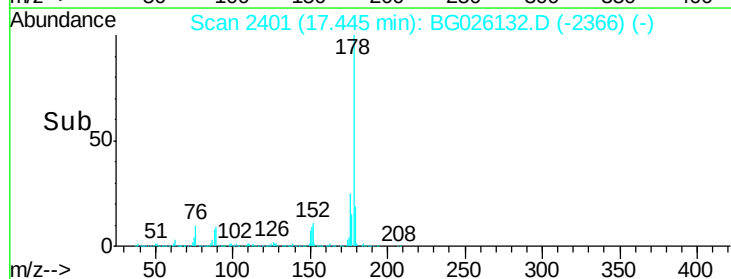
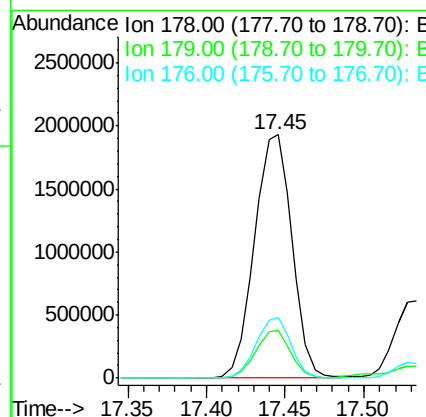
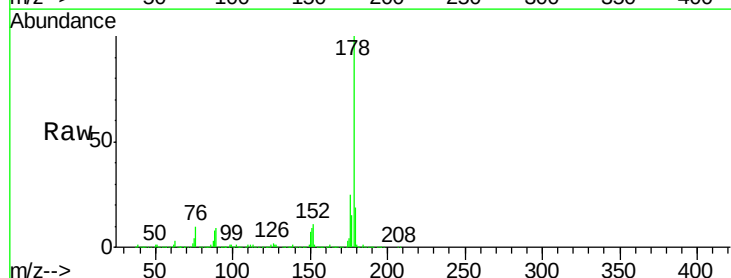
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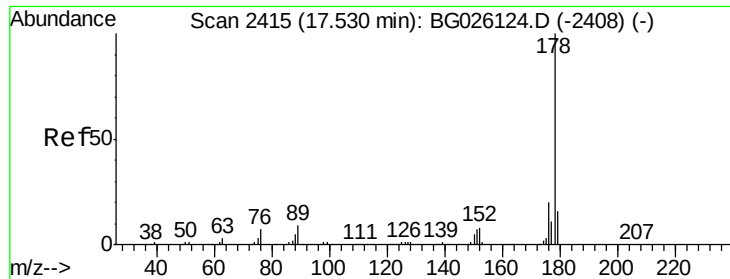
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#14
 Phenanthrene
 Concen: 74.22 ng/ul m
 RT: 17.45 min Scan# 2401
 Delta R.T. 0.01 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	19.5	12.2	18.4#	
176	24.8	16.4	24.6#	





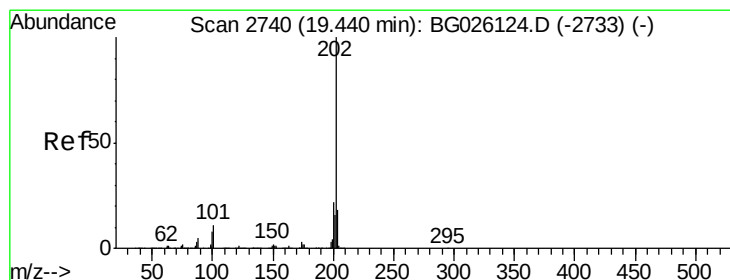
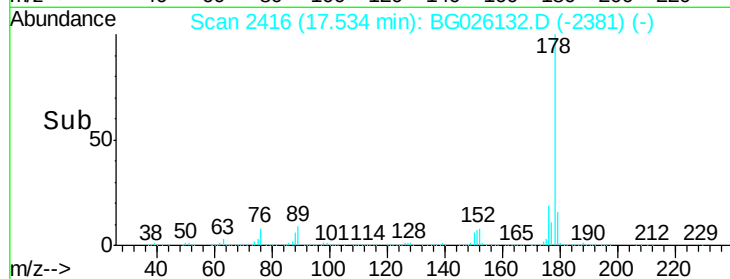
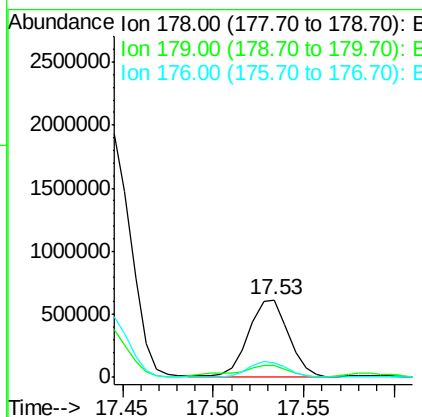
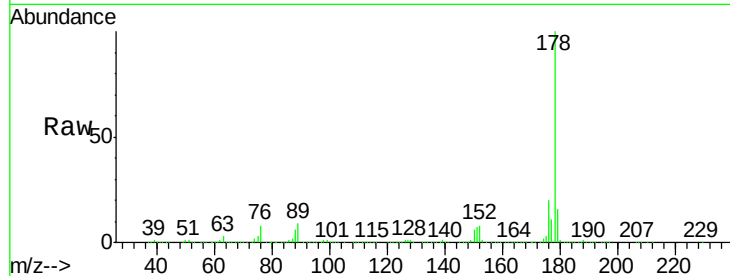
#16
 Anthracene
 Concen: 21.89 ng/ul
 RT: 17.53 min Scan# 2416
 Delta R.T. 0.01 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.7	19.1
176	19.5	15.8	23.8

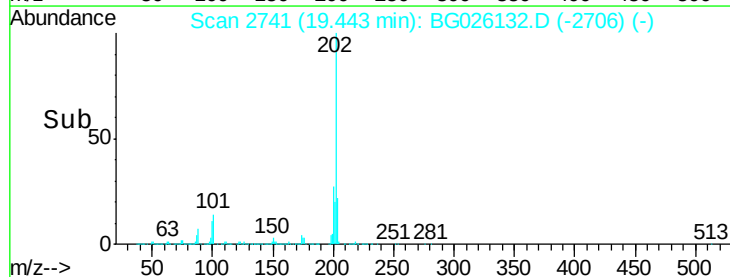
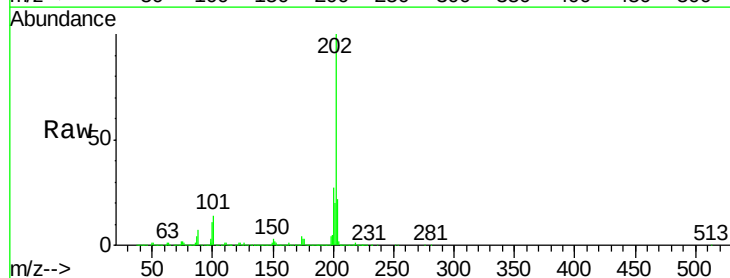
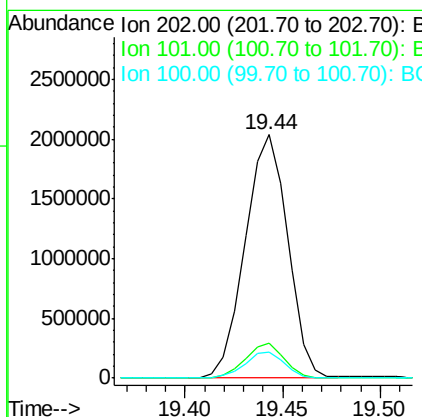
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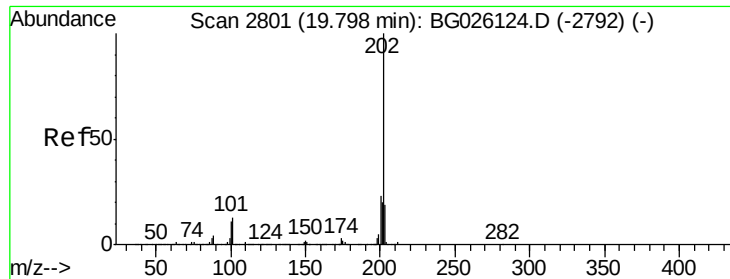
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#17
 Fluoranthene
 Concen: 68.57 ng/ul
 RT: 19.44 min Scan# 2741
 Delta R.T. 0.01 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	9.8	14.8
100	10.7	7.5	11.3





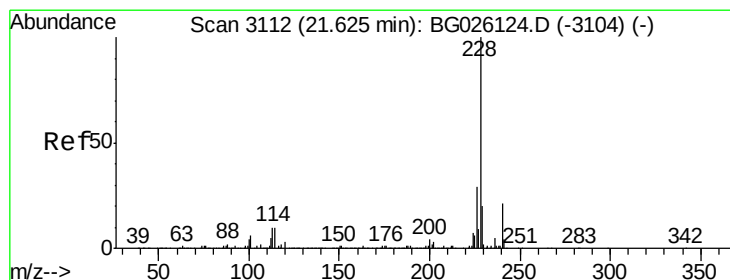
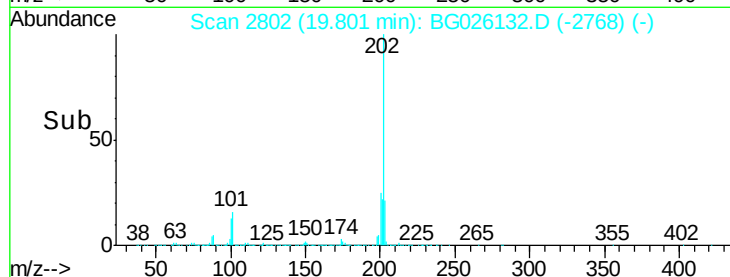
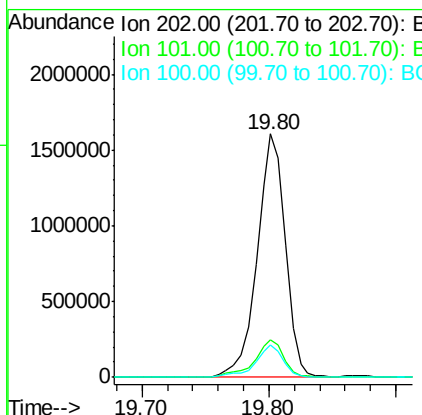
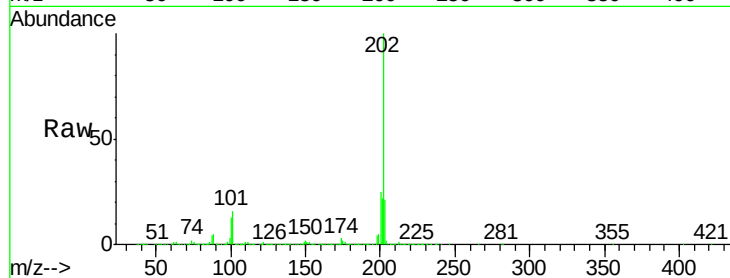
#20
Pyrene
Concen: 42.86 ng/ul
RT: 19.80 min Scan# 2802
Delta R.T. 0.00 min
Lab File: BG026132.D
Acq: 9 Mar 2017 3:31

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	11.2	16.8
100	13.4	9.8	14.6

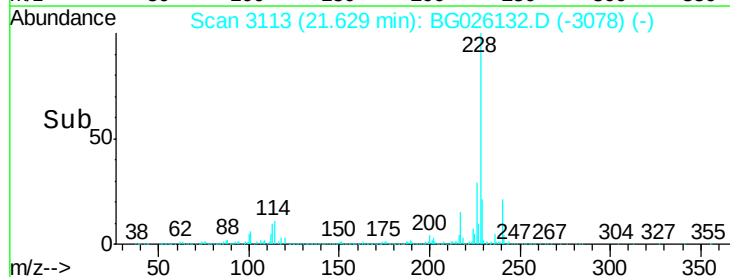
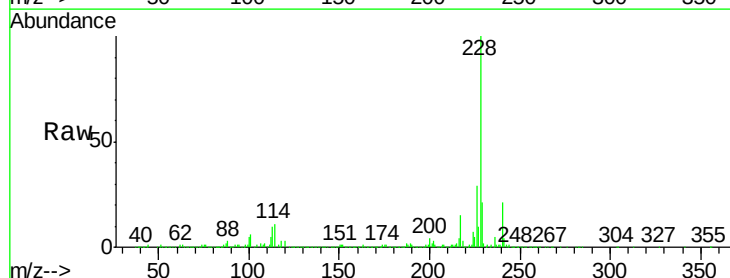
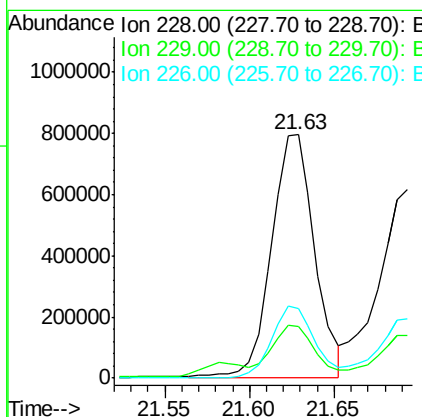
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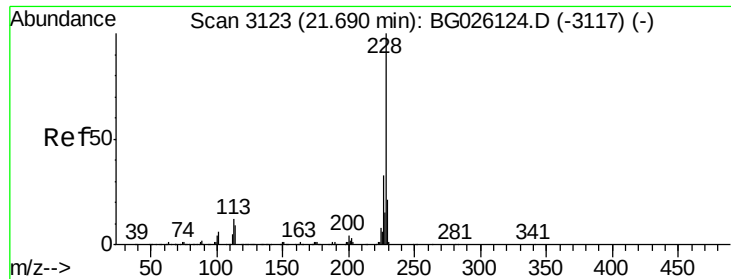
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#21
Benzo(a)anthracene
Concen: 27.81 ng/ul
RT: 21.63 min Scan# 3113
Delta R.T. 0.01 min
Lab File: BG026132.D
Acq: 9 Mar 2017 3:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.9	23.9
226	28.7	22.1	33.1





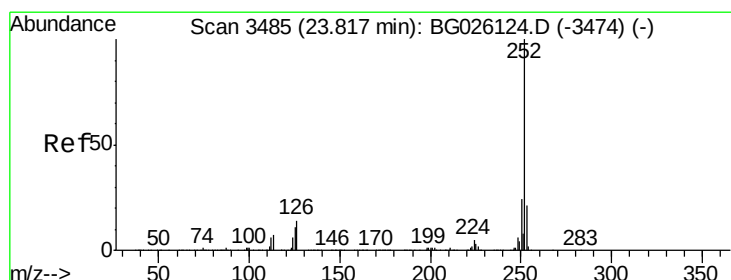
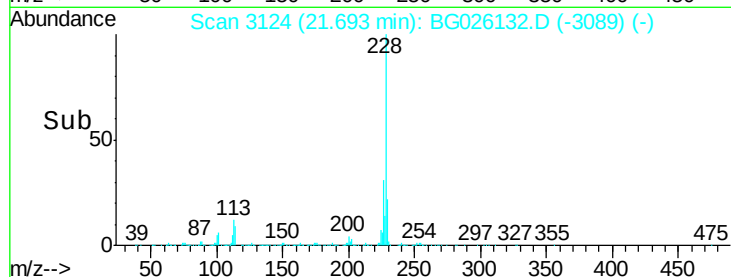
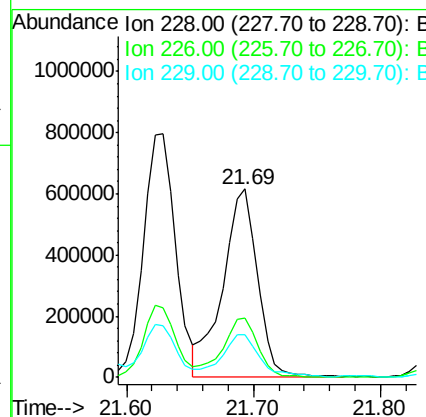
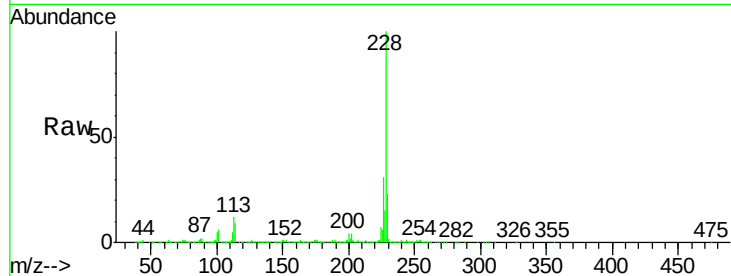
#22
Chrysene
Concen: 24.50 ng/ul
RT: 21.69 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BG026132.D
Acq: 9 Mar 2017 3:31

Instrument :
BNA_G
ClientSampled :
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Tgt Ion:228 Resp: 1155362
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.9 16.6 25.0

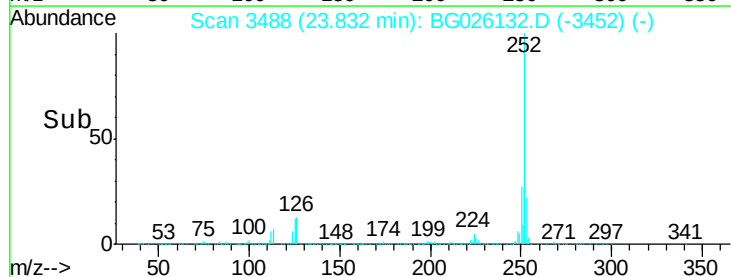
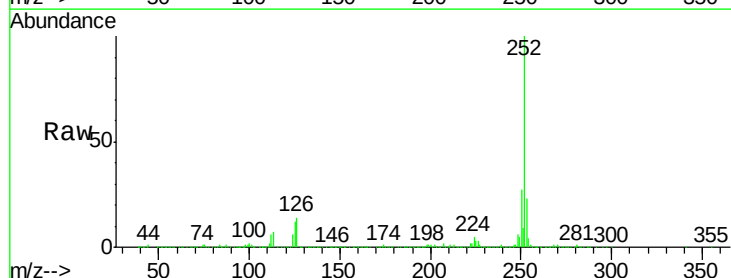
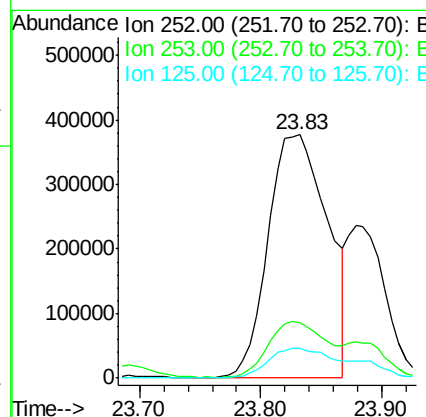
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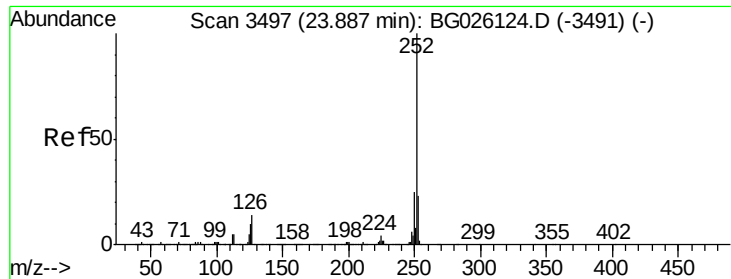
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#24
Benzo(b)fluoranthene
Concen: 24.83 ng/ul
RT: 23.83 min Scan# 3488
Delta R.T. 0.01 min
Lab File: BG026132.D
Acq: 9 Mar 2017 3:31

Tgt Ion:252 Resp: 1285242
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.3 9.4 14.0





#25

Benzo(k)fluoranthene

Concen: 10.43 ng/ul m

RT: 23.88 min Scan# 3496

Delta R.T. -0.01 min

Lab File: BG026132.D

Acq: 9 Mar 2017 3:31

Instrument :

BNA_G

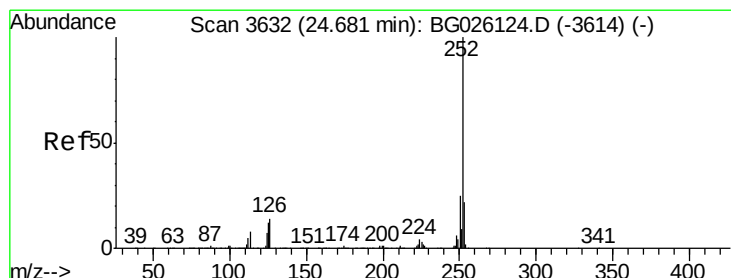
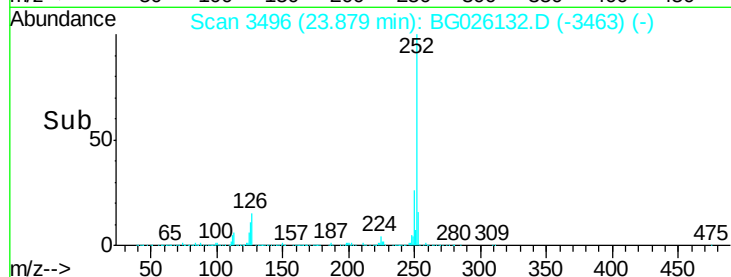
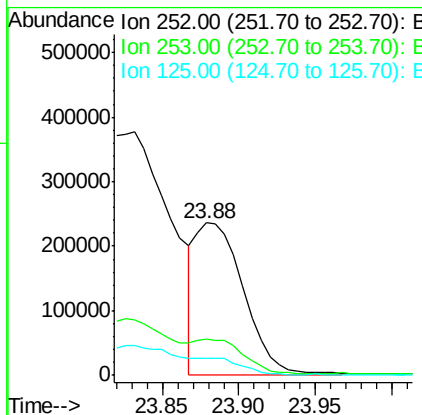
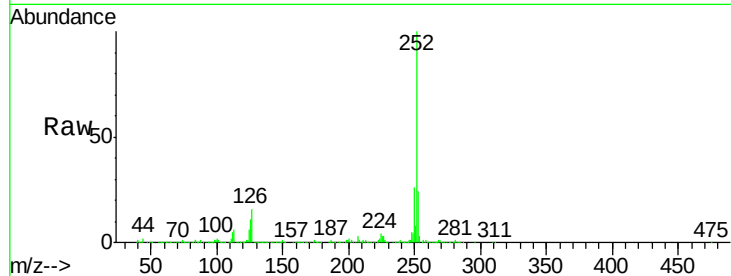
ClientSampleId :

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Tgt	Ion	252	Resp:	515514
Ion	Ratio	Lower	Upper	
252	100			
253	24.0	17.4	26.2	
125	11.2	8.8	13.2	

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#27

Benzo(a)pyrene

Concen: 19.84 ng/ul

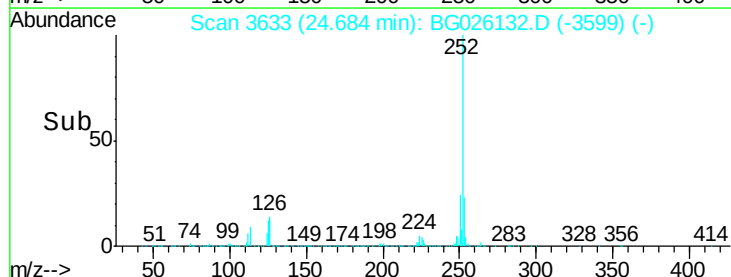
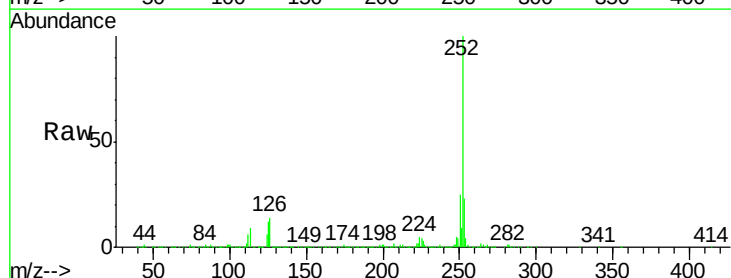
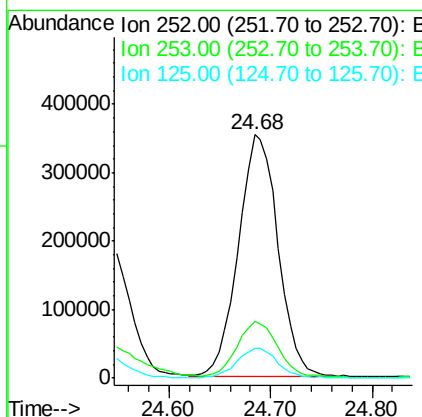
RT: 24.68 min Scan# 3633

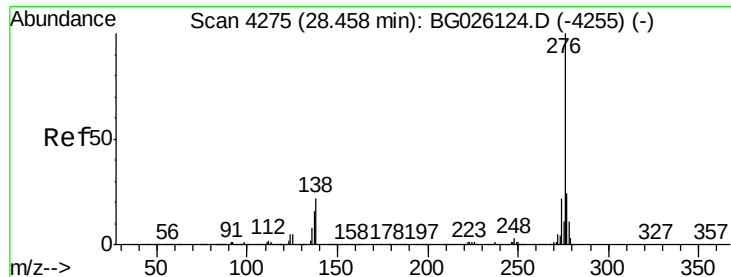
Delta R.T. 0.00 min

Lab File: BG026132.D

Acq: 9 Mar 2017 3:31

Tgt	Ion	252	Resp:	954004
Ion	Ratio	Lower	Upper	
252	100			
253	23.2	17.1	25.7	
125	12.0	9.4	14.2	





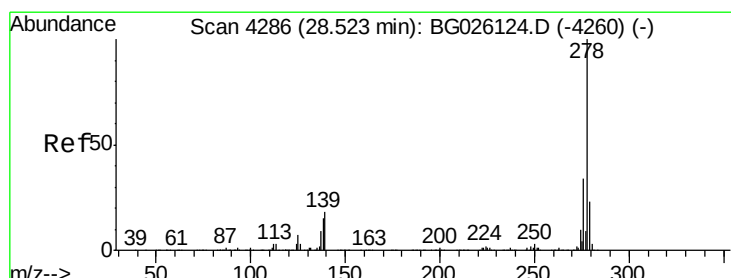
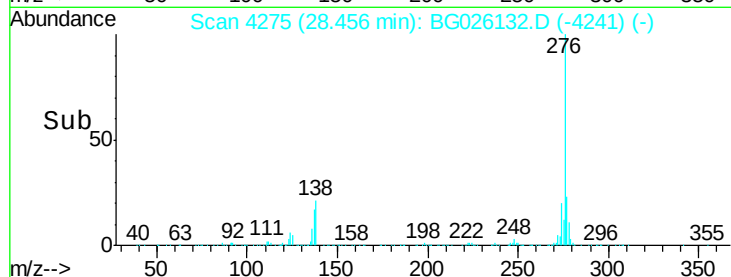
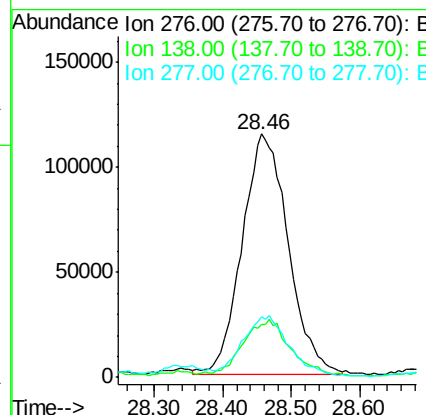
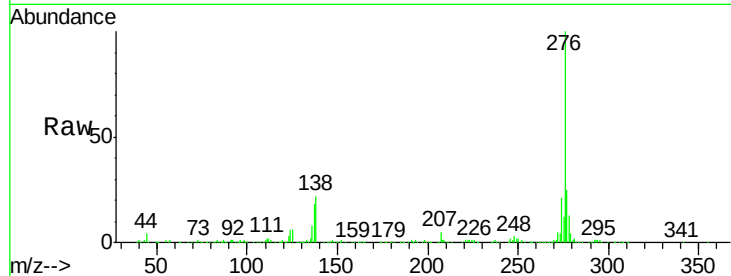
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 10.06 ng/ul
 RT: 28.46 min Scan# 4275
 Delta R.T. 0.00 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.8	26.6
277	24.9	19.4	29.0

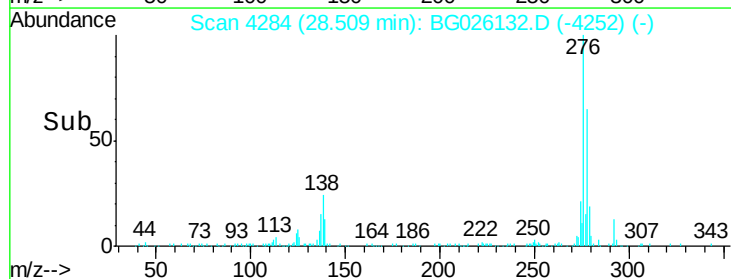
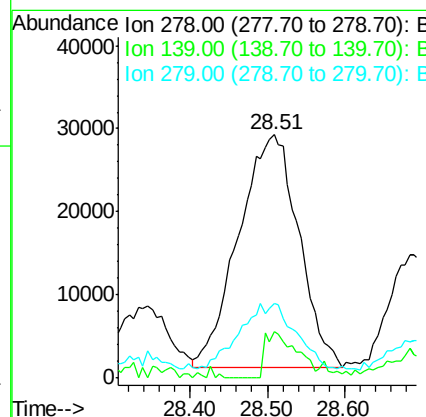
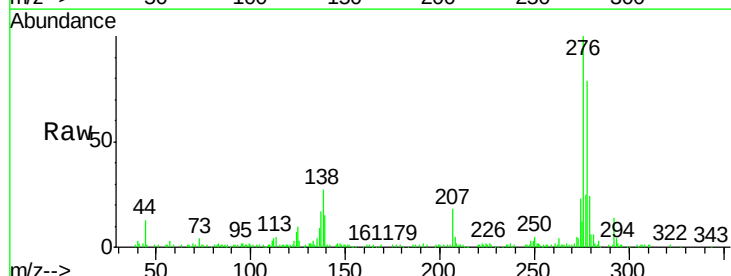
Manual Integrations
 APPROVED

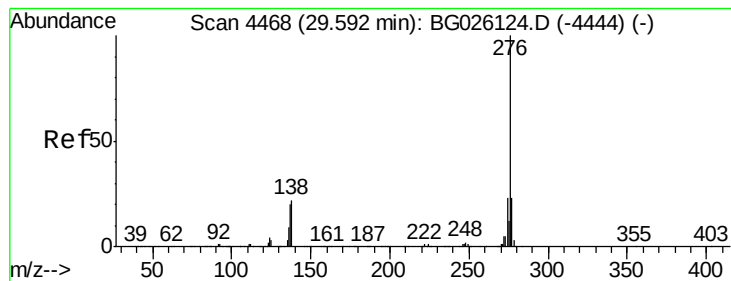
mohammad
 3/15/2017 5:08:16 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.59 ng/ul
 RT: 28.51 min Scan# 4284
 Delta R.T. -0.01 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.0	21.0
279	30.8	20.6	31.0





#30
 Benzo(g,h,i)perylene
 Concen: 9.00 ng/ul
 RT: 29.59 min Scan# 4468
 Delta R.T. -0.01 min
 Lab File: BG026132.D
 Acq: 9 Mar 2017 3:31

Instrument :
 BNA_G
 ClientSampleId :
 C0AC7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.0	28.4
277	24.1	19.7	29.5

Manual Integrations
 APPROVED

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