

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
 Data File : BG019493.D
 Acq On : 5 Nov 2015 15:28
 Operator : UM/NP
 Sample : G4273-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:43:22 PM

Quant Time: Nov 06 06:15:24 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 06 02:11:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	43554	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	177770	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	141160	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	373068	20.00	ng/ul	0.00
78) Chrysene-d12	21.83	240	491973	20.00	ng/ul	0.00
86) Perylene-d12	25.18	264	482450	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	3312	3.64	ng/uL	0.00
5) Phenol-d5	7.32	99	78845	19.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	53677	21.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	47886	19.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	63367	19.90	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	26404	20.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	33335	21.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	65008	19.32	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	109897	32.29	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	236703	20.34	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	263355	20.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	33477	18.11	ng/ul	0.00
58) Fluorene-d10	15.80	176	210319	19.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	43182	17.88	ng/ul	0.00
71) Anthracene-d10	17.65	188	352203	20.71	ng/ul	0.00
79) Pyrene-d10	19.93	212	424646	19.72	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	483225	19.96	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	11.06	128	11339	1.27 ng/ul	96
34) 2-Methylnaphthalene	12.65	142	29725	4.16 ng/ul	99
35) 1-Methylnaphthalene	12.87	142	27217	4.02 ng/ul#	95
45) Dimethylphthalate	14.25	163	123879	10.41 ng/ul	98
50) Acenaphthene	14.87	153	158347	17.76 ng/ul	98
54) Dibenzofuran	15.20	168	113694	8.66 ng/ul	97
59) Fluorene	15.85	166	202170	17.65 ng/ul	97
70) Phenanthrene	17.59	178	727516	38.64 ng/ul	96
72) Anthracene	17.68	178	314856	16.41 ng/ul	98
75) Carbazole	17.95	167	26692	1.74 ng/ul#	92
77) Fluoranthene	19.59	202	1282895m	52.63 ng/ul	
80) Pyrene	19.96	202	923197	33.44 ng/ul#	93
83) Benzo(a)anthracene	21.81	228	557186	19.45 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.69	149	20159	1.58 ng/ul	94
85) Chrysene	21.88	228	463140	17.23 ng/ul	99
88) Benzo(b)fluoranthene	24.11	252	454646	15.98 ng/ul#	96
89) Benzo(k)fluoranthene	24.17	252	187191m	6.84 ng/ul	
91) Benzo(a)pyrene	25.01	252	354201	12.96 ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.00	276	178182m	5.79 ng/ul	
93) Dibenzo(a,h)anthracene	29.05	278	59585m	2.32 ng/ul	
94) Benzo(a,h,i)perylene	30.20	276	127349m	5.45 ng/ul	

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 06 02:11:58 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

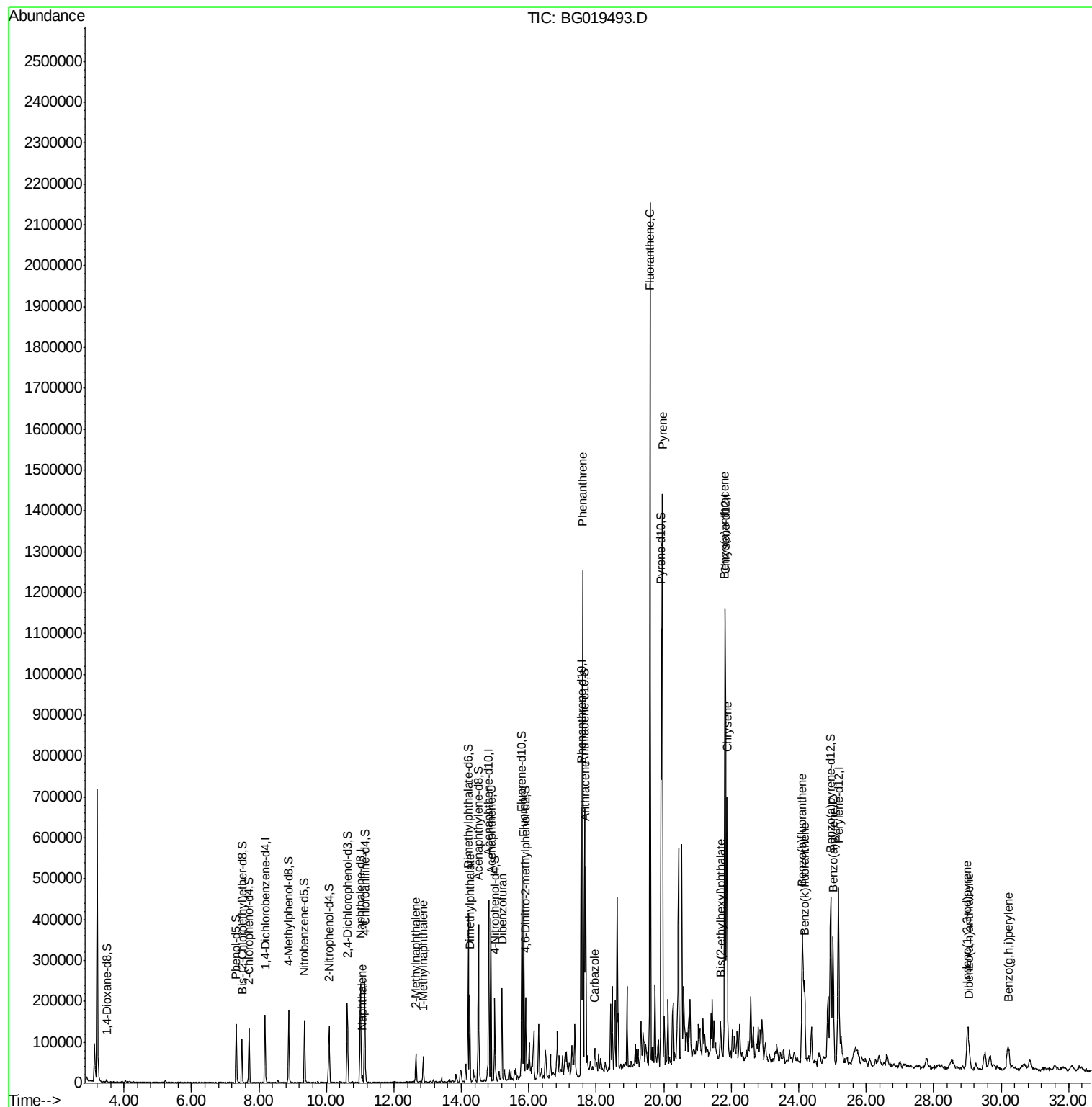
Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
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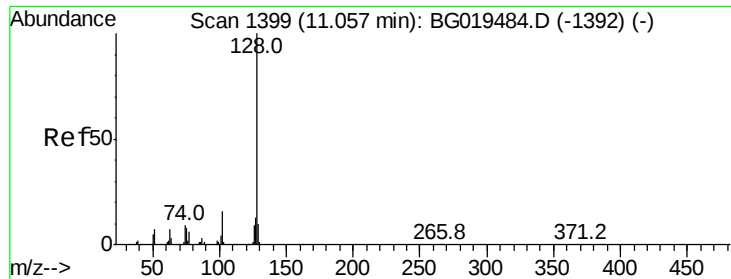
Instrument :
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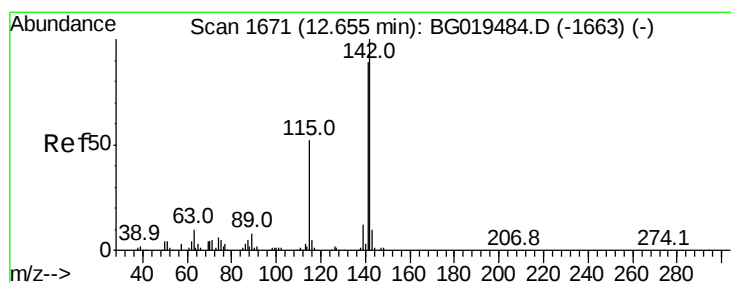
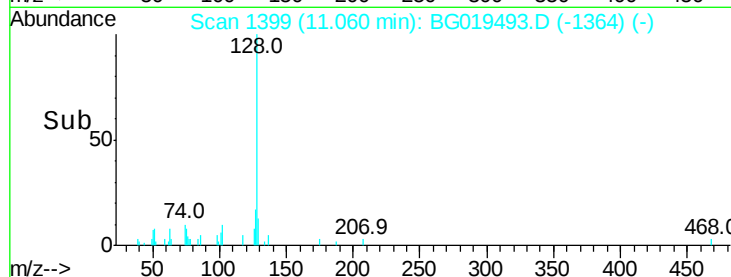
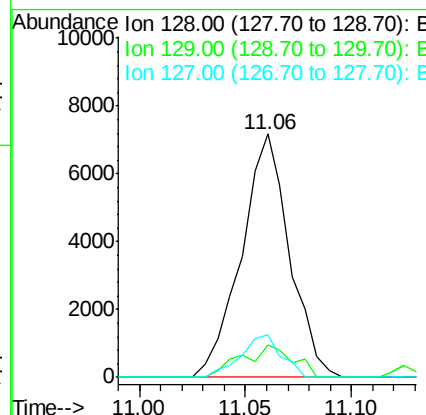
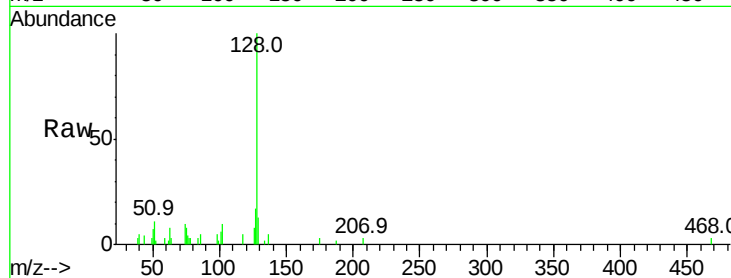
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Naphthalene
Concen: 1.27 ng/ul
RT: 11.06 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BG019493.D
Acq: 5 Nov 2015 15:28

Instrument :
BNA_G
ClientSampleId :
C0AP3

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.9	13.3
127	17.4	13.1	19.7

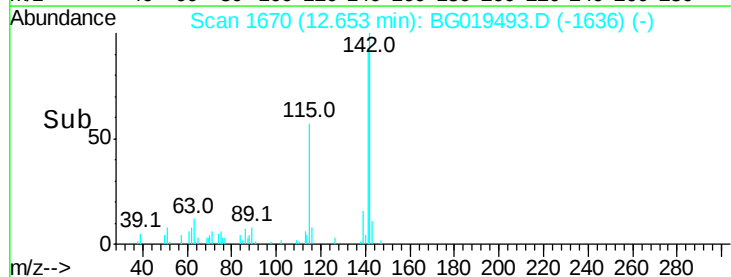
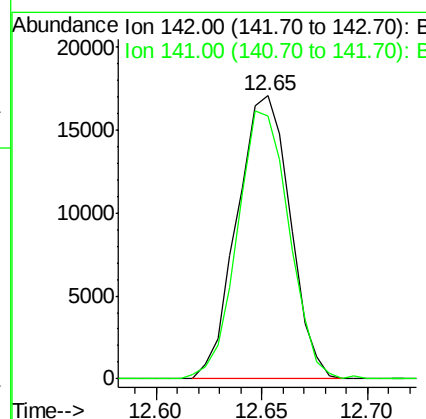
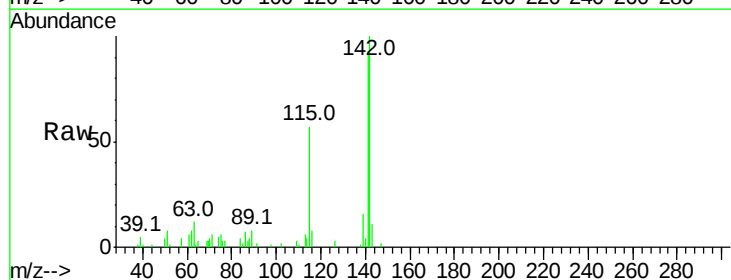
Manual Integrations
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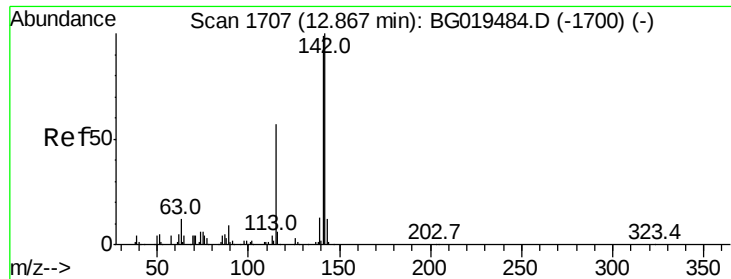
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#34
2-Methylnaphthalene
Concen: 4.16 ng/ul
RT: 12.65 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BG019493.D
Acq: 5 Nov 2015 15:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.4	110.2





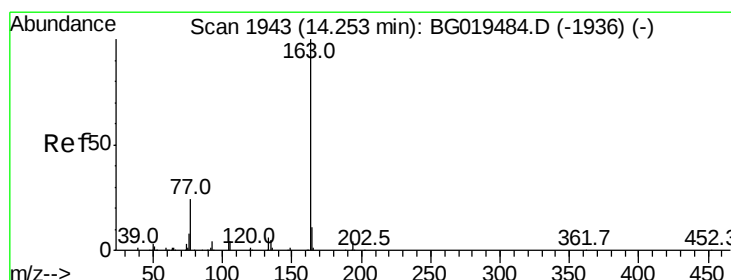
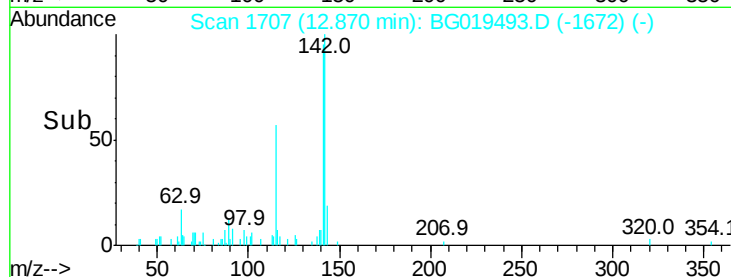
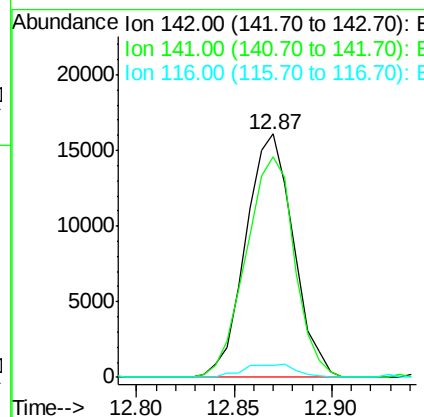
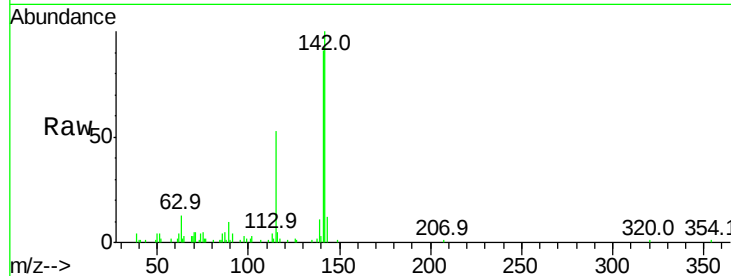
#35
 1-Methylnaphthalene
 Concen: 4.02 ng/ul
 RT: 12.87 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Tot Ion	Ratio	Resp	Lower	Upper
142	100	27217		
141	90.7	76.5	114.7	
116	5.0	5.4	8.0#	

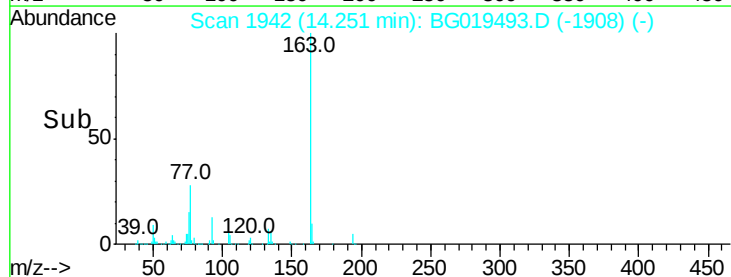
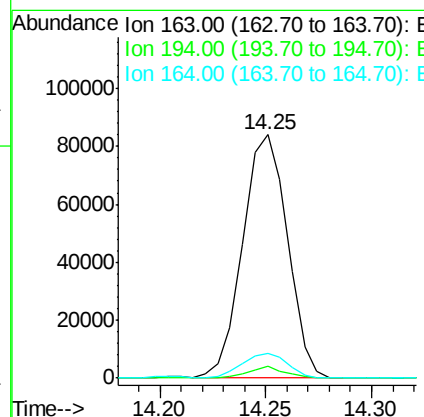
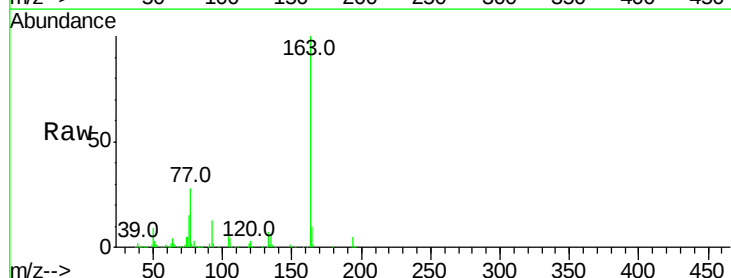
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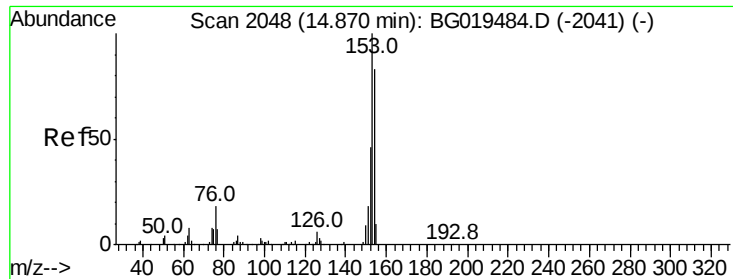
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#45
 Dimethylphthalate
 Concen: 10.41 ng/ul
 RT: 14.25 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	123879		
194	5.1	4.3	6.5	
164	10.3	7.5	11.3	





#50

Acenaphthene

Concen: 17.76 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

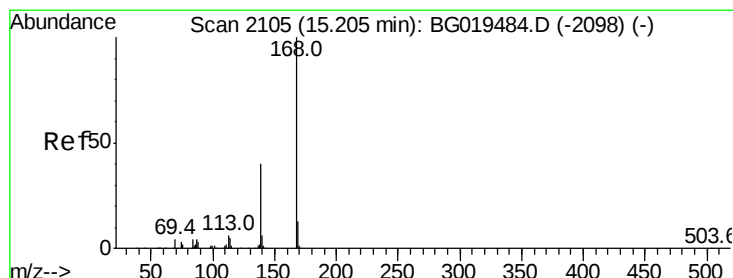
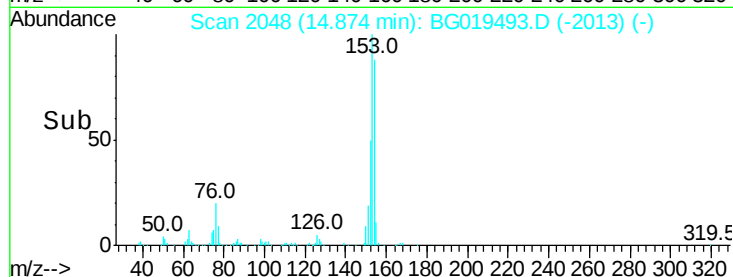
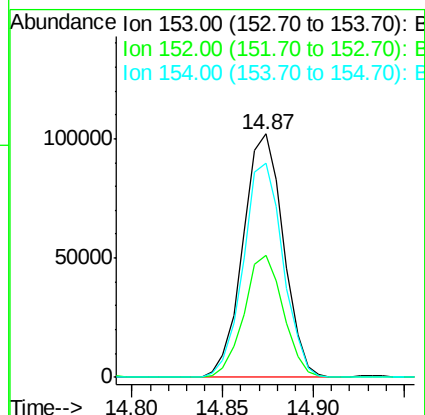
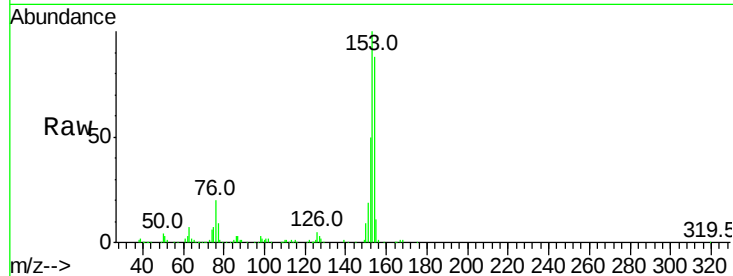
ClientSampleId :

C0AP3

Tot Ion:	153	Resp:	158347
Ion Ratio	Lower	Upper	
153	100		
152	49.9	38.8	58.2
154	88.0	71.5	107.3

Manual Integrations
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#54

Dibenzofuran

Concen: 8.66 ng/ul

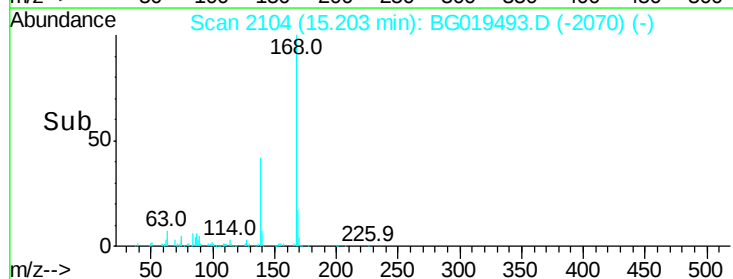
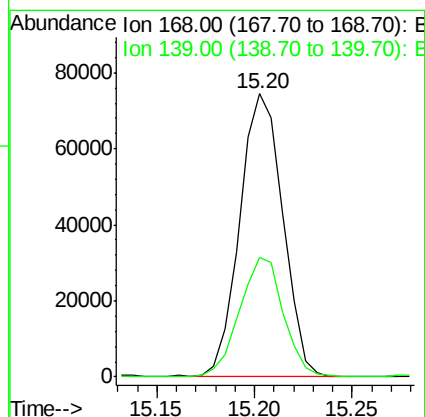
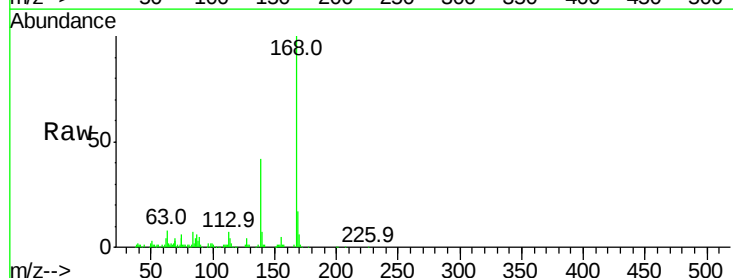
RT: 15.20 min Scan# 2104

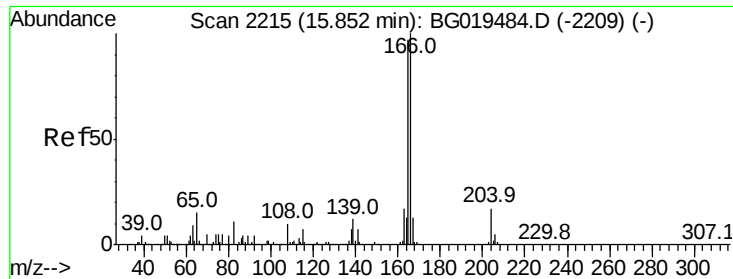
Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Tgt Ion:	168	Resp:	113694
Ion Ratio	Lower	Upper	
168	100		
139	42.4	32.4	48.6





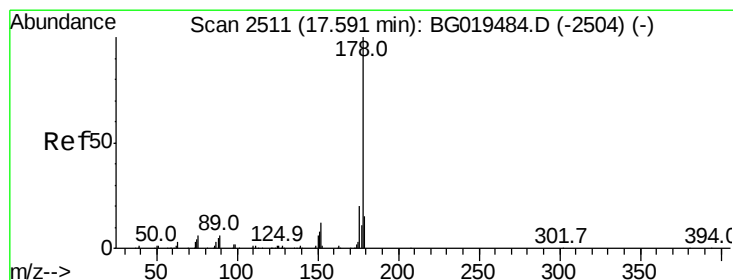
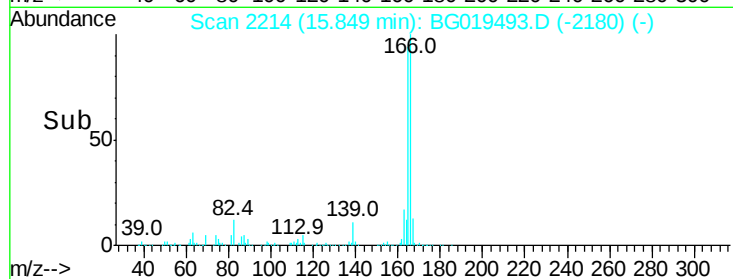
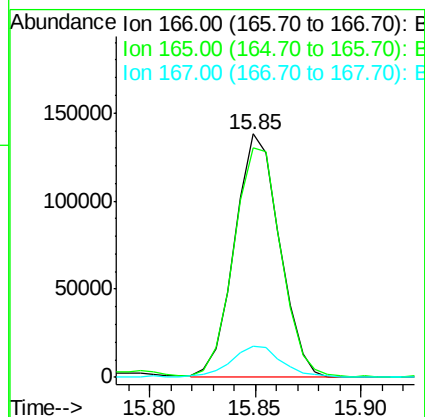
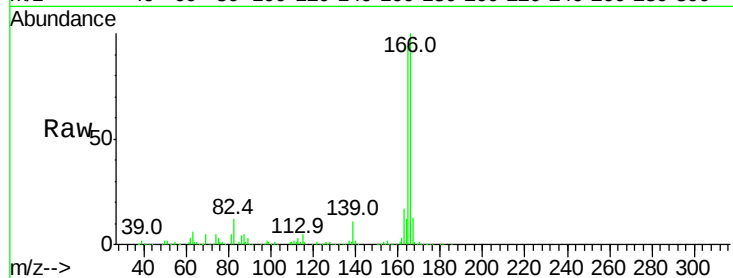
#59
Fluorene
 Concen: 17.65 ng/ul
 RT: 15.85 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion:	166	Resp:	202170
Ion Ratio	Lower	Upper	
166	100		
165	94.4	77.6	116.4
167	12.7	9.6	14.4

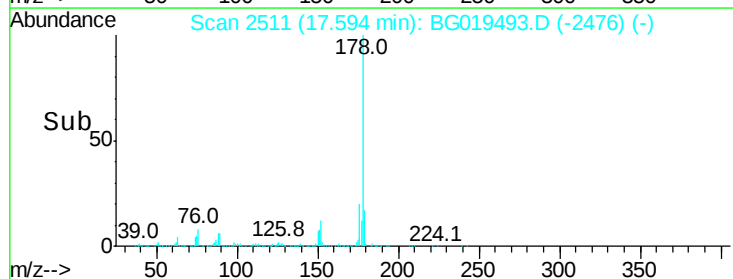
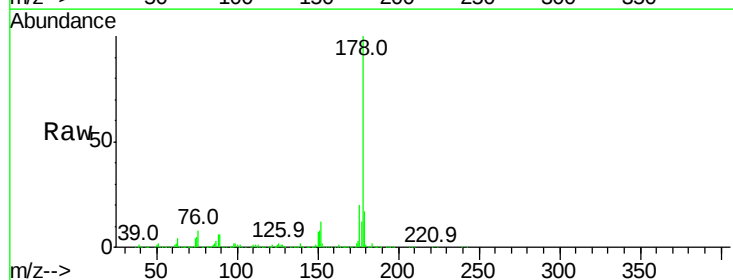
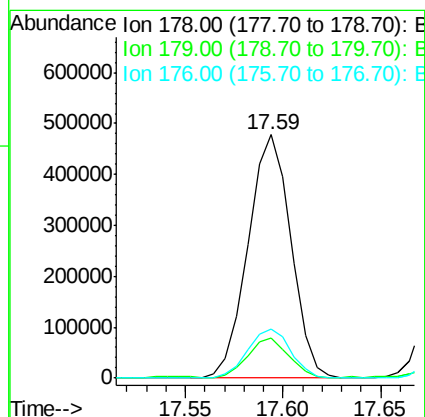
Manual Integrations
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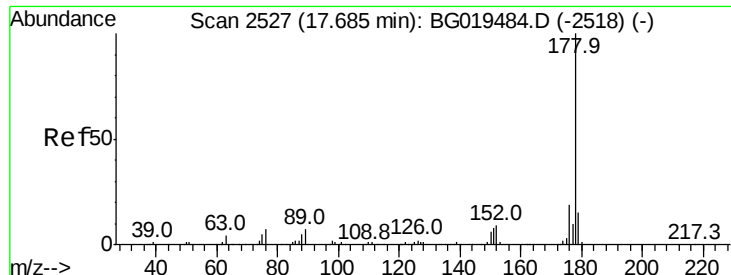
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#70
Phenanthrene
 Concen: 38.64 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Tgt Ion:	178	Resp:	727516
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.6	18.8
176	20.4	14.3	21.5





#72

Anthracene

Concen: 16.41 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

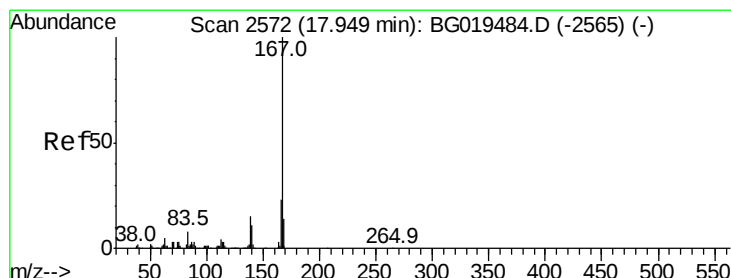
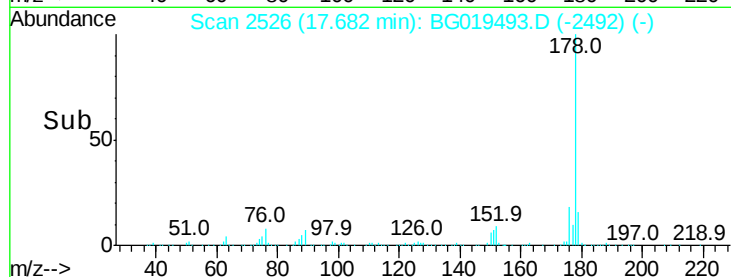
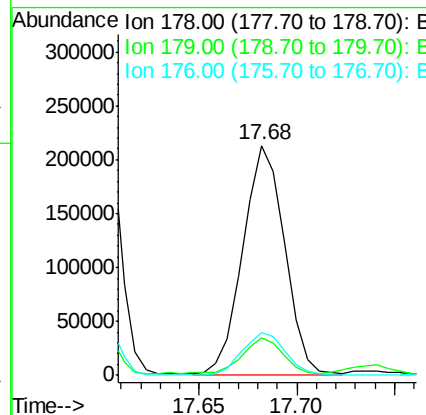
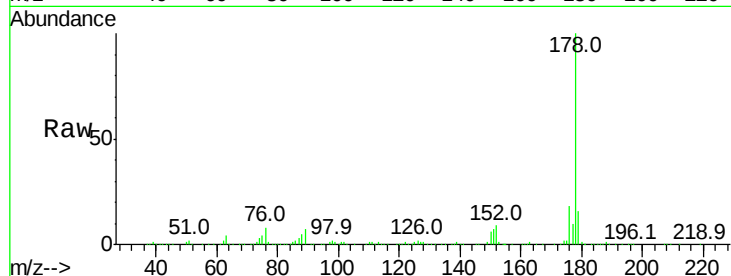
ClientSampleId :

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Tot Ion:	178	Resp:	314856
Ion Ratio	Lower	Upper	
178	100		
179	16.1	11.6	17.4
176	18.3	14.2	21.4

Manual Integrations
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#75

Carbazole

Concen: 1.74 ng/ul

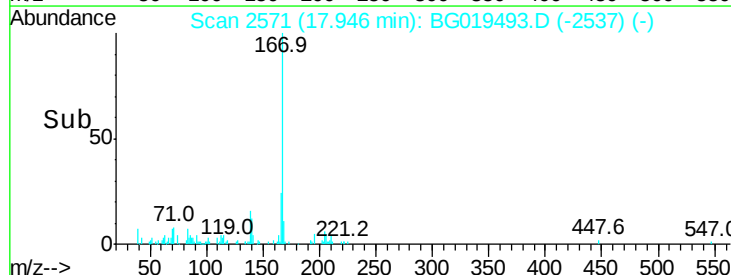
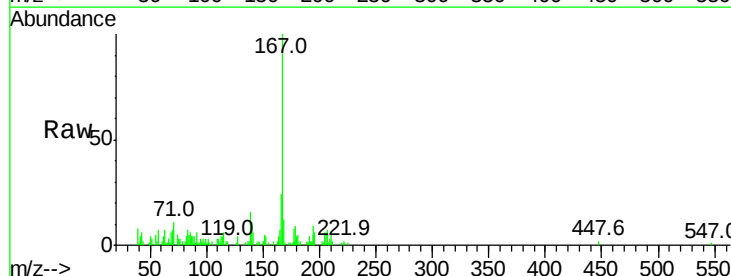
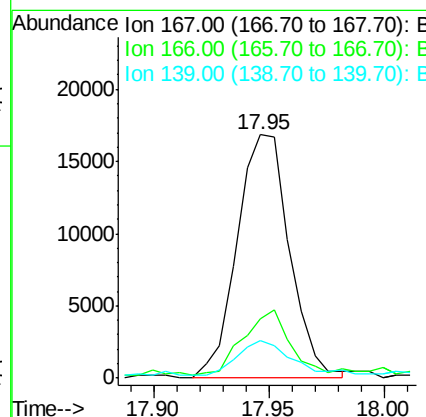
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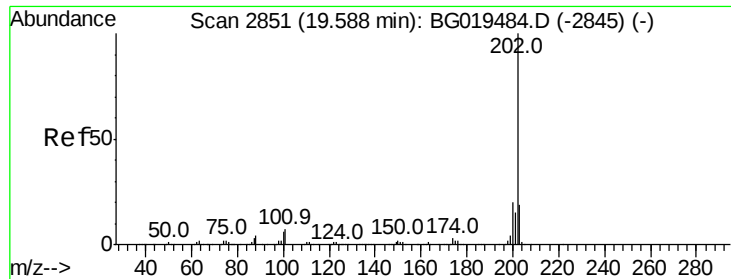
Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Tgt Ion:	167	Resp:	26692
Ion Ratio	Lower	Upper	
167	100		
166	24.5	16.8	25.2
139	15.7	9.8	14.6#





#77

Fluoranthene

Concen: 52.63 ng/ul m

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

ClientSampleId :

C0AP3

Tot Ion:202 Resp: 1282895

Ion Ratio Lower Upper

202 100

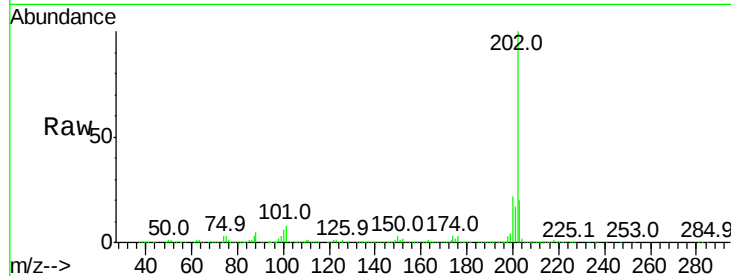
101 7.6 4.0 6.0#

100 6.3 3.6 5.4#

Manual Integrations
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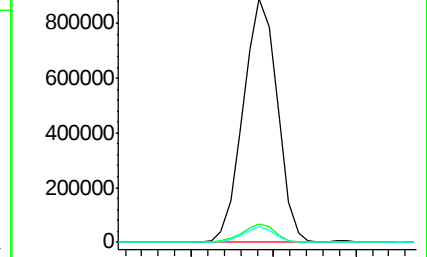
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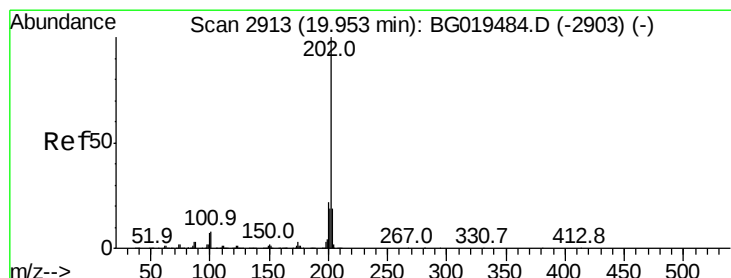
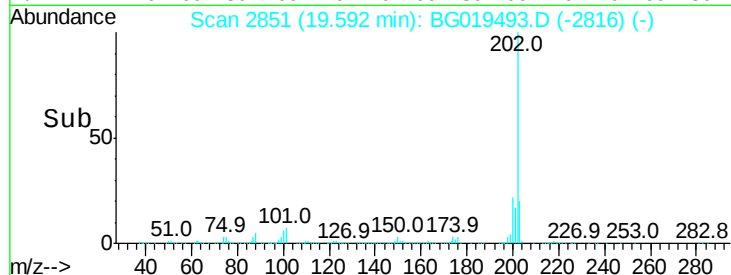
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 33.44 ng/ul

RT: 19.96 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

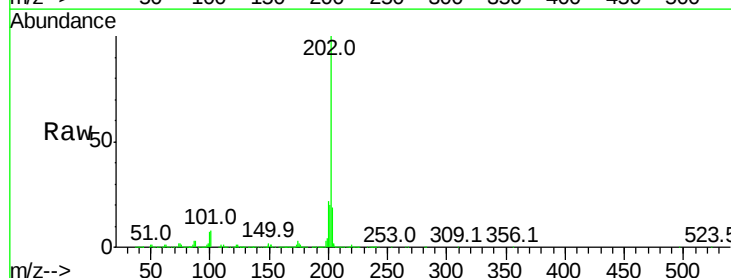
Tgt Ion:202 Resp: 923197

Ion Ratio Lower Upper

202 100

101 7.8 4.3 6.5#

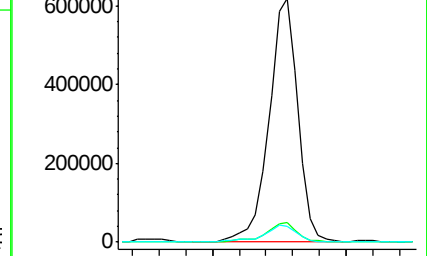
100 6.7 3.6 5.4#



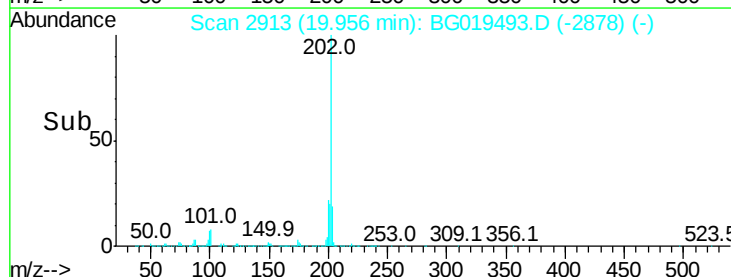
Abundance Ion 202.00 (201.70 to 202.70): E

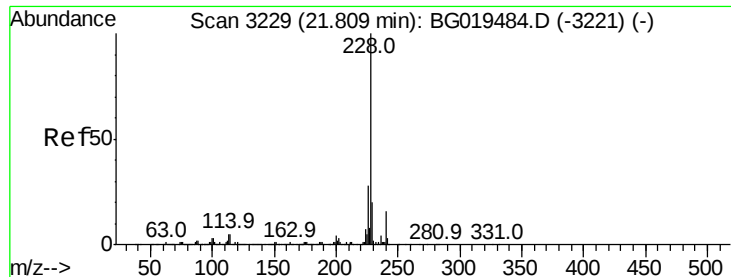
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#83

Benzo(a)anthracene

Concen: 19.45 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

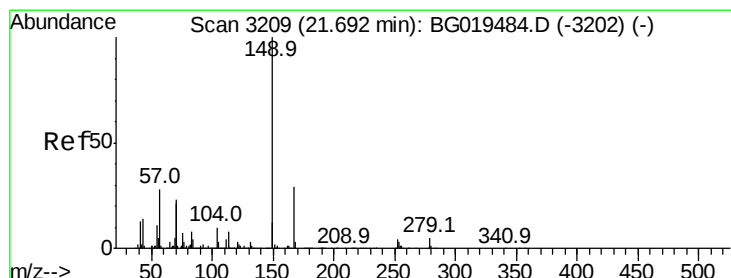
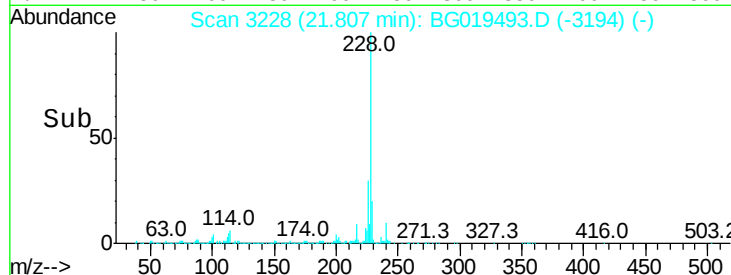
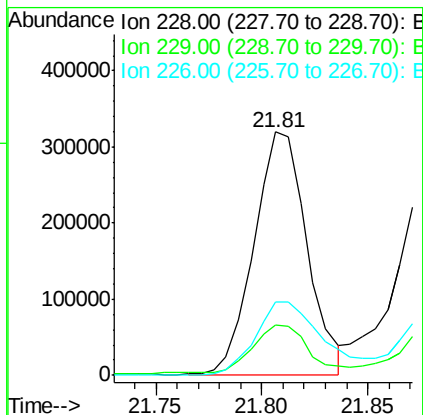
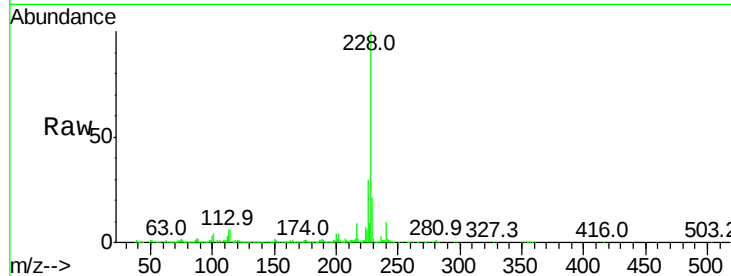
ClientSampleId :

C0AP3

Tot Ion:	228	Resp:	557186
Ion Ratio	Lower	Upper	
228	100		
229	20.8	15.8	23.8
226	30.3	21.8	32.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 1.58 ng/ul

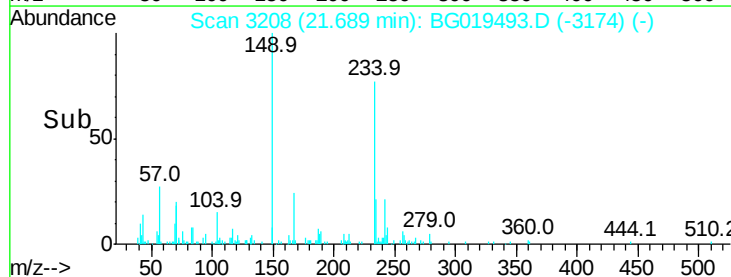
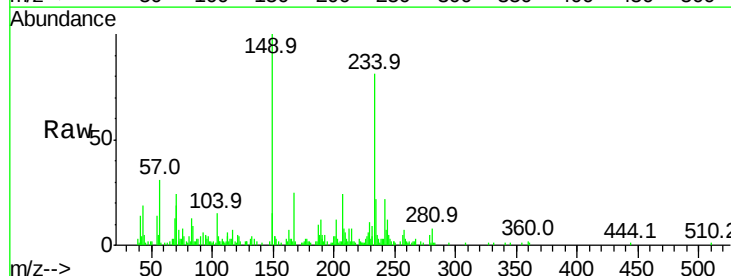
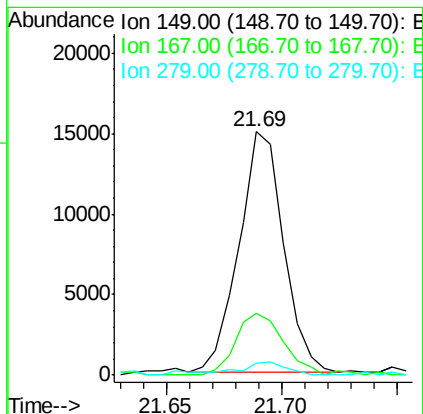
RT: 21.69 min Scan# 3208

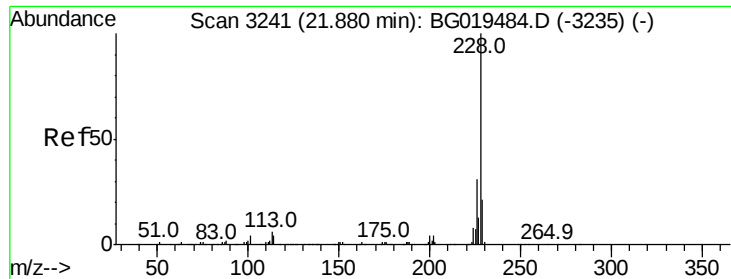
Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Tgt Ion:	149	Resp:	20159
Ion Ratio	Lower	Upper	
149	100		
167	25.4	23.2	34.8
279	5.0	5.0	7.4





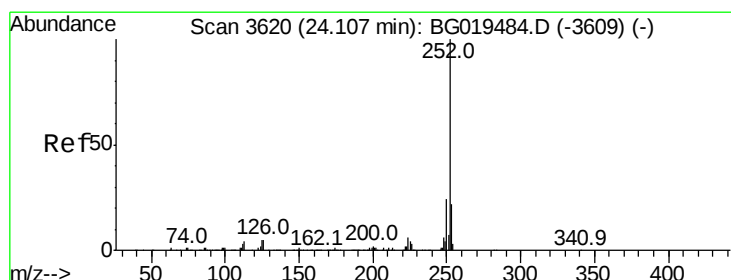
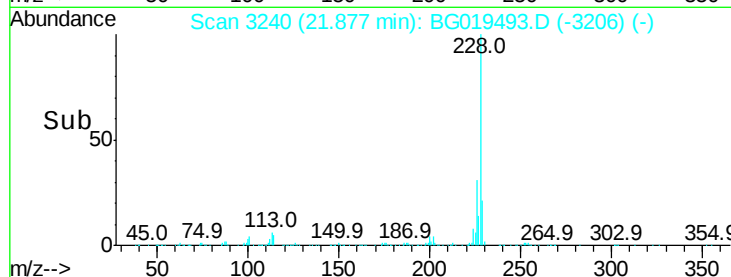
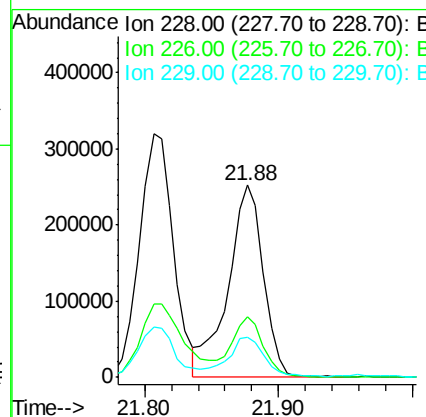
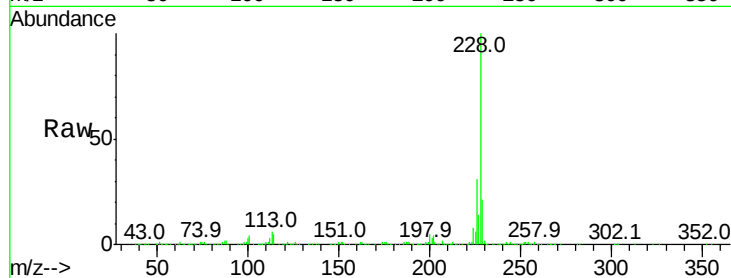
#85
 Chrysene
 Concen: 17.23 ng/ul
 RT: 21.88 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.6	36.8
229	21.1	17.3	25.9

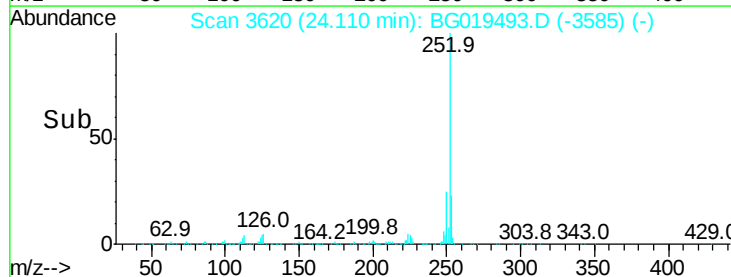
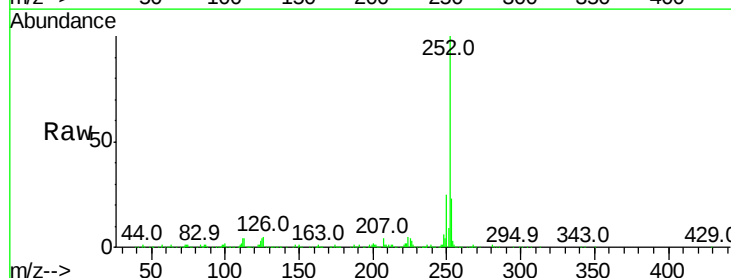
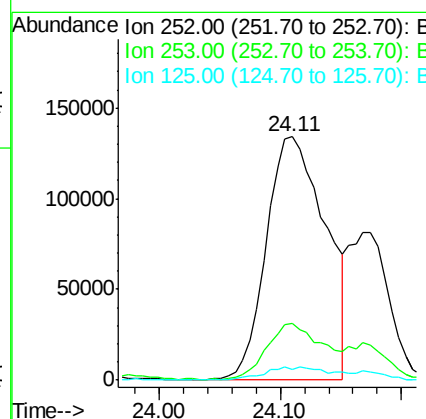
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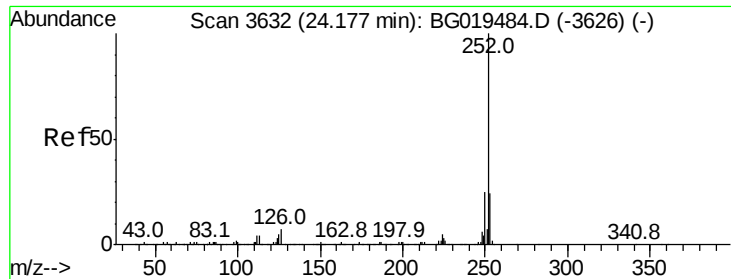
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#88
 Benzo(b)fluoranthene
 Concen: 15.98 ng/ul
 RT: 24.11 min Scan# 3620
 Delta R.T. 0.00 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	4.3	2.5	3.7





#89

Benzo(k)fluoranthene

Concen: 6.84 ng/ul m

RT: 24.17 min Scan# 3631

Delta R.T. -0.00 min

Lab File: BG019493.D

Acq: 5 Nov 2015 15:28

Instrument :

BNA_G

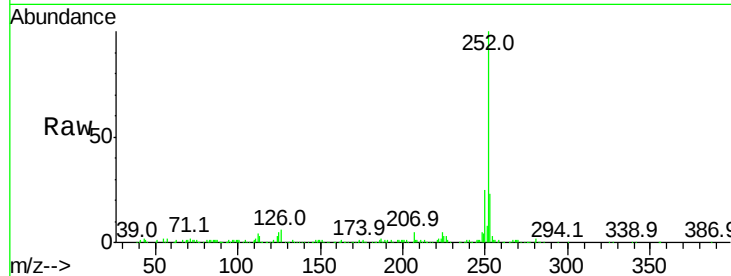
ClientSampleId :

C0AP3

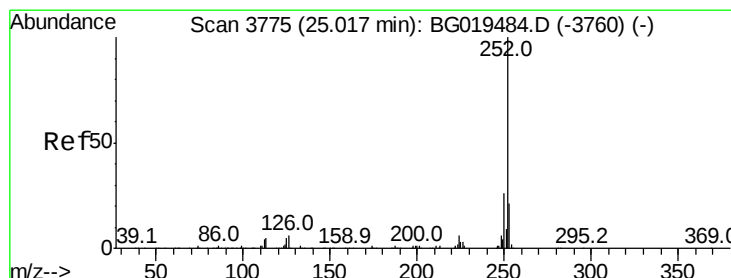
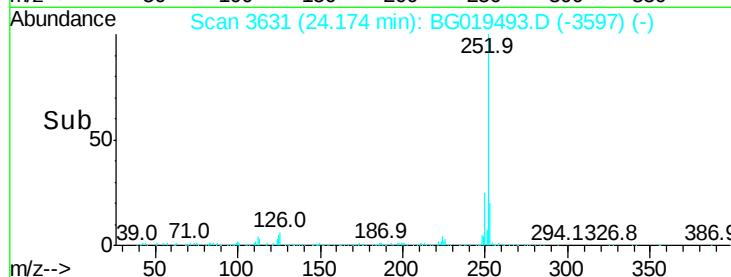
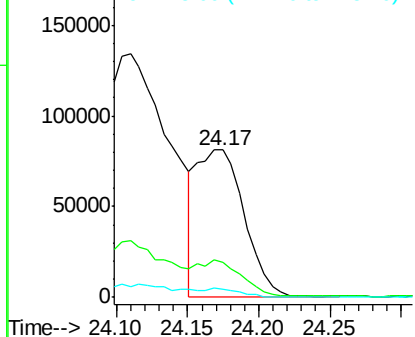
Tot Ion:	252	Resp:	187191
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.2	25.8
125	5.2	3.1	4.7#

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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



#91

Benzo(a)pyrene

Concen: 12.96 ng/ul

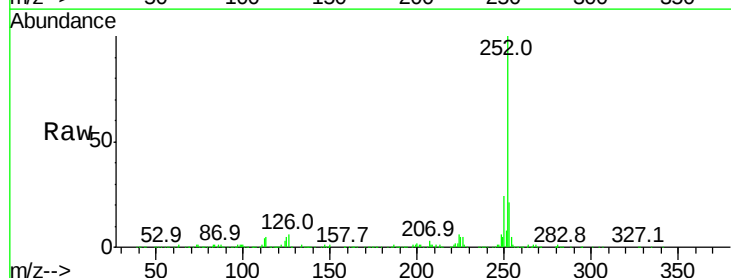
RT: 25.01 min Scan# 3774

Delta R.T. -0.00 min

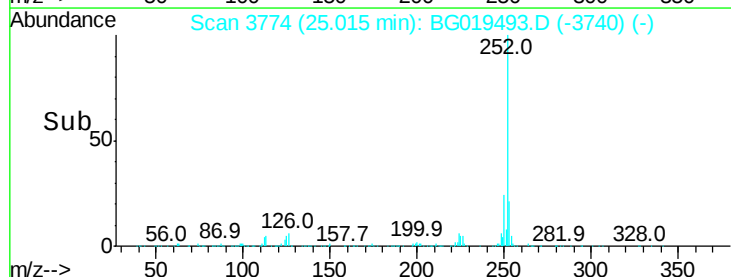
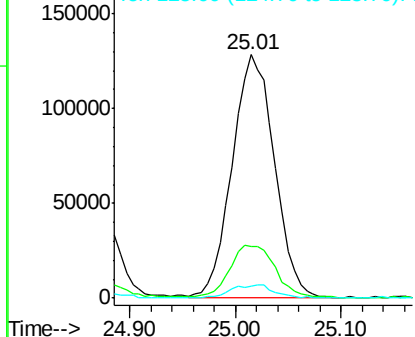
Lab File: BG019493.D

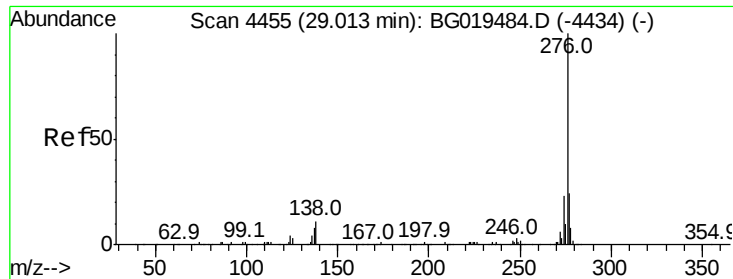
Acq: 5 Nov 2015 15:28

Tgt Ion:	252	Resp:	354201
Ion Ratio	Lower	Upper	
252	100		
253	21.2	16.0	24.0
125	5.0	3.3	4.9#



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





#92

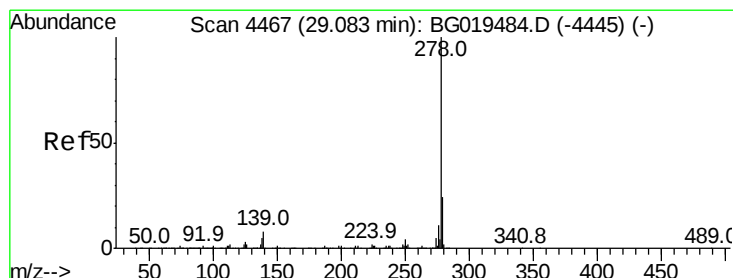
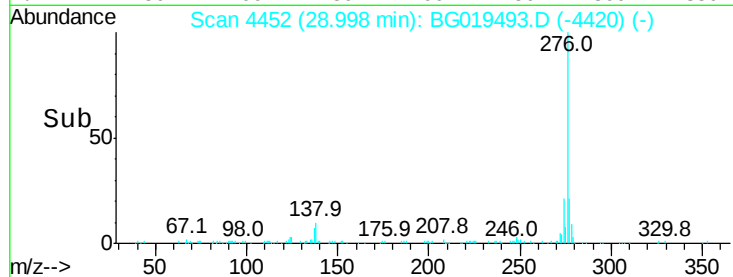
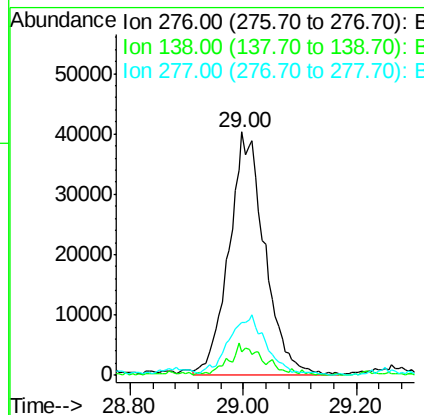
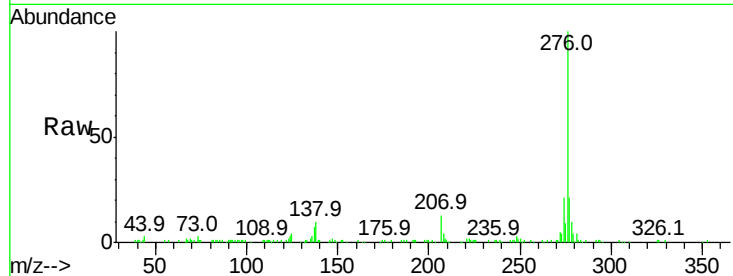
Indeno(1,2,3-cd)pyrene
Concen: 5.79 ng/ul m
RT: 29.00 min Scan# 4452
Delta R.T. -0.01 min
Lab File: BG019493.D
Acq: 5 Nov 2015 15:28

Instrument :
BNA_G
ClientSampleId :
C0AP3

Tot Ion	Ratio	Resp	Lower	Upper
276	100	178182		
138	9.7	6.2	9.4#	
277	21.5	17.9	26.9	

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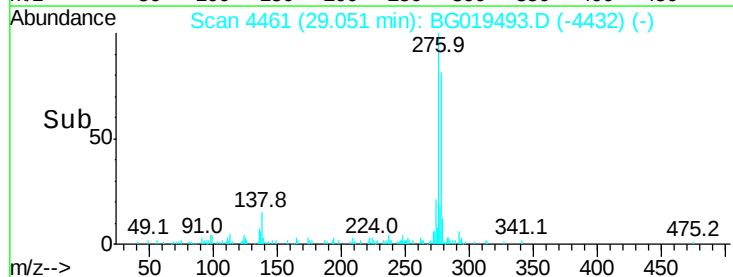
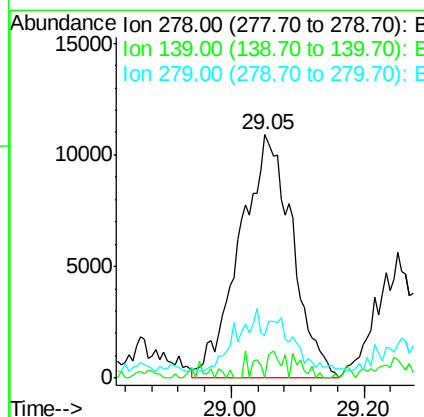
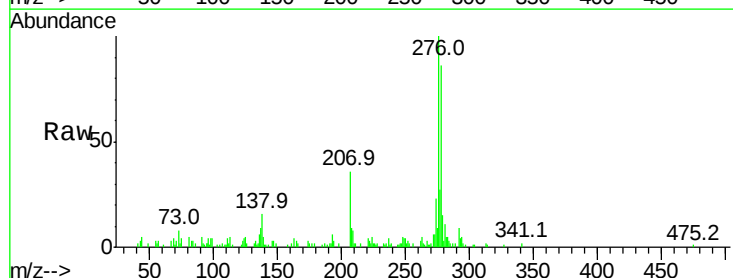
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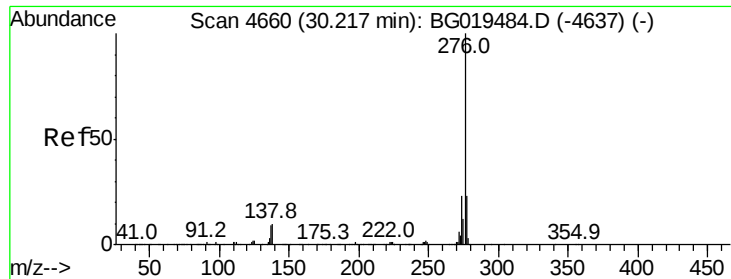


#93

Dibenzo(a,h)anthracene
Concen: 2.32 ng/ul m
RT: 29.05 min Scan# 4461
Delta R.T. -0.03 min
Lab File: BG019493.D
Acq: 5 Nov 2015 15:28

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	59585		
139	0.0	5.8	8.6#	
279	17.4	20.3	30.5#	





#94
 Benzo(a,h,i)perylene
 Concen: 5.45 ng/ul m
 RT: 30.20 min Scan# 4657
 Delta R.T. -0.01 min
 Lab File: BG019493.D
 Acq: 5 Nov 2015 15:28

Instrument :
 BNA_G
 ClientSampleId :
 C0AP3

Tot Ion	Ratio	Lower	Upper
276	100		
138	10.8	5.6	8.4#
277	22.5	16.0	24.0

Manual Integrations
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