

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
 Data File : BG019487.D
 Acq On : 5 Nov 2015 11:37
 Operator : UM/NP
 Sample : G4273-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AN6

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:43:07 PM

Quant Time: Nov 06 04:04:55 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	8.17	152	30014	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	128098	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.81	164	107798	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	305951	20.00	ng/ul	0.00
78) Chrysene-d12	21.82	240	410917	20.00	ng/ul	0.00
86) Perylene-d12	25.17	264	388146	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	3554	5.67	ng/uL	0.00
5) Phenol-d5	7.32	99	95651	34.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	62417	35.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	57474	33.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	78576	35.81	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	31168	33.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	37746	33.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	80439	33.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	90313	36.82	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	299669	33.72	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	329601	33.49	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	49972	35.39	ng/ul	0.00
58) Fluorene-d10	15.80	176	275032	33.45	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	57247	28.91	ng/ul	0.00
71) Anthracene-d10	17.65	188	476599	34.17	ng/ul	0.00
79) Pyrene-d10	19.92	212	578767	32.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.94	264	666947	34.24	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.35	94	4290	1.46	ng/ul#	92
34) 2-Methylnaphthalene	12.65	142	5862	1.14	ng/ul	83
35) 1-Methylnaphthalene	12.87	142	10028	2.06	ng/ul	98
45) Dimethylphthalate	14.25	163	154973	17.05	ng/ul#	98
50) Acenaphthene	14.87	153	96402	14.16	ng/ul	99
54) Dibenzofuran	15.20	168	63851	6.37	ng/ul	100
59) Fluorene	15.85	166	105523	12.06	ng/ul	99
70) Phenanthrene	17.59	178	399879	25.90	ng/ul	97
72) Anthracene	17.68	178	145658	9.25	ng/ul	98
75) Carbazole	17.95	167	13667	1.09	ng/ul#	76
77) Fluoranthene	19.59	202	526908	26.36	ng/ul#	95
80) Pyrene	19.95	202	365990	15.87	ng/ul#	91
83) Benzo(a)anthracene	21.81	228	185450	7.75	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.69	149	15055	1.41	ng/ul#	93
85) Chrysene	21.88	228	148585	6.62	ng/ul	97
88) Benzo(b)fluoranthene	24.10	252	138126	6.03	ng/ul#	97
89) Benzo(k)fluoranthene	24.17	252	58438m	2.65	ng/ul	
91) Benzo(a)pyrene	25.01	252	108750	4.94	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.00	276	54430m	2.20	ng/ul	
94) Benzo(g,h,i)perylene	30.19	276	43474m	2.31	ng/ul	

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

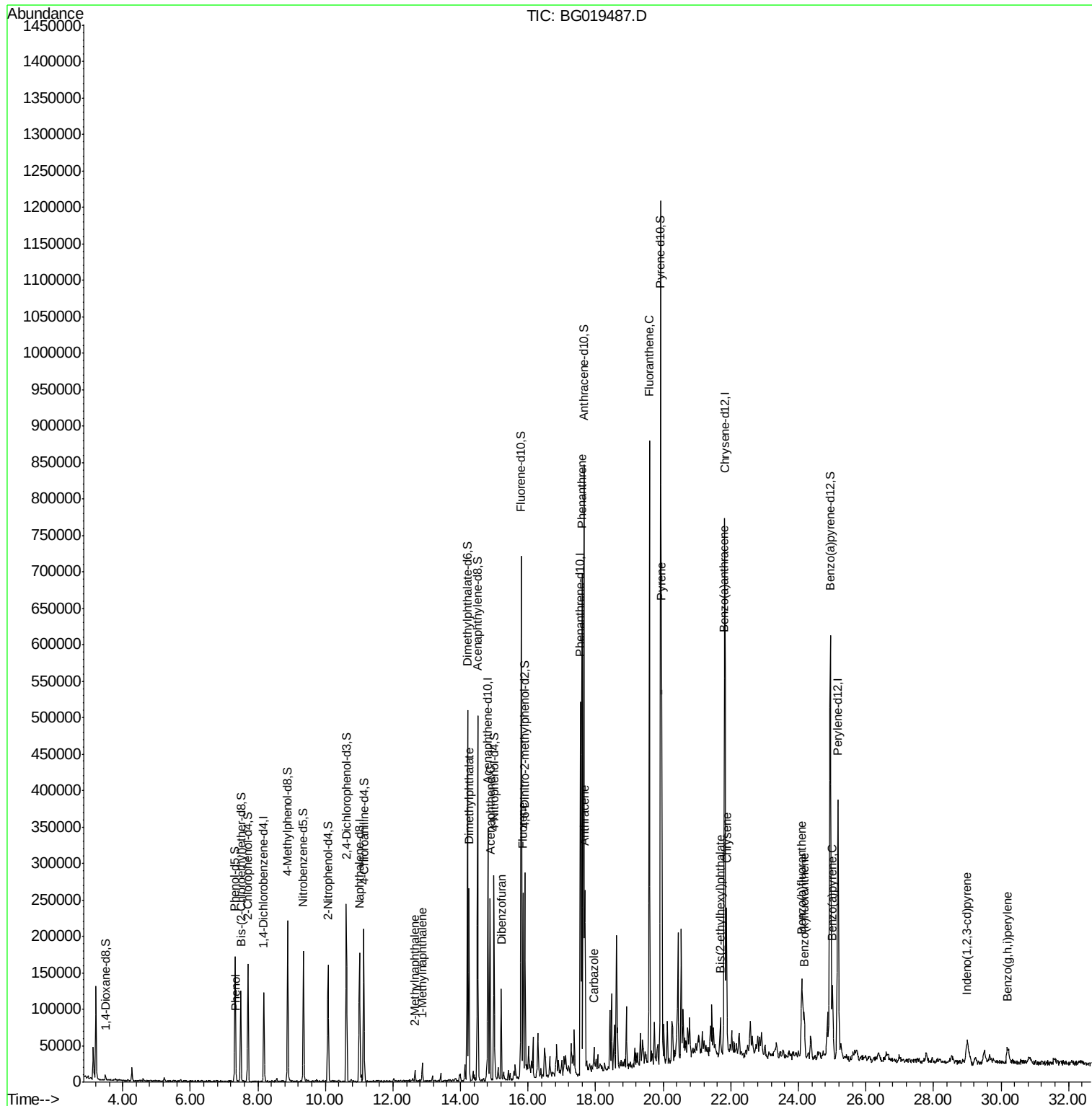
Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019487.D
Acq On : 5 Nov 2015 11:37
Operator : UM/NP
Sample : G4273-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

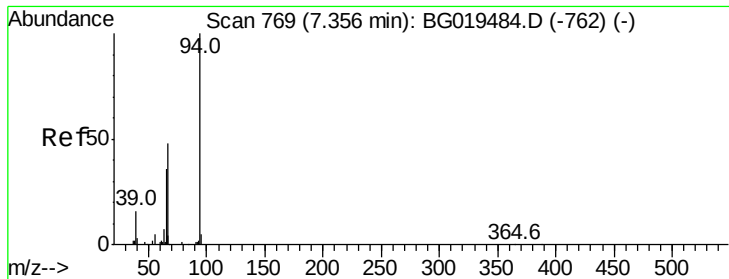
Instrument :
BNA_G
ClientSampleId :
C0AN6

Manual Integrations
APPROVED

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Quant Time: Nov 06 04:04:55 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





#6

Phenol

Concen: 1.46 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

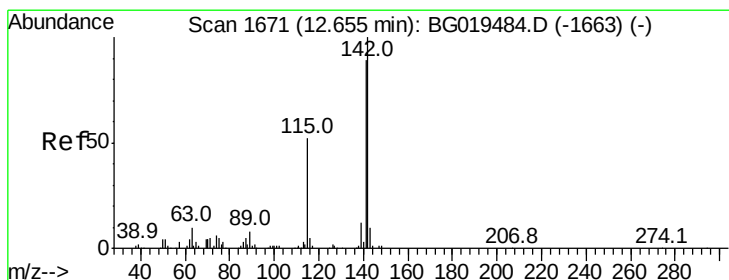
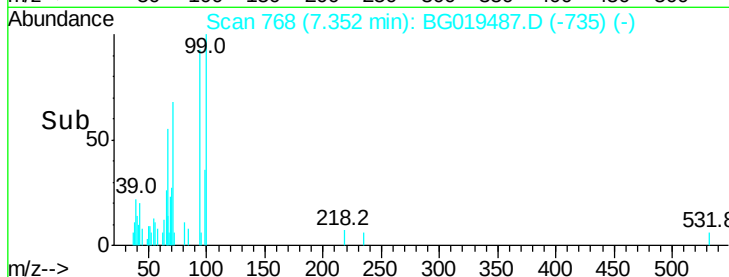
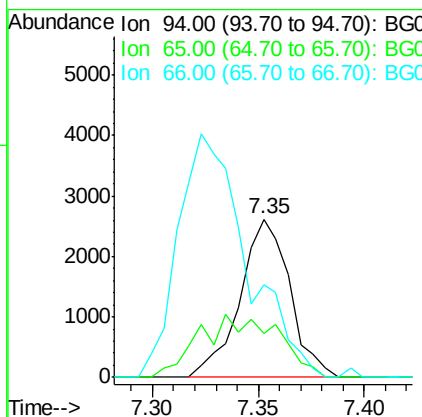
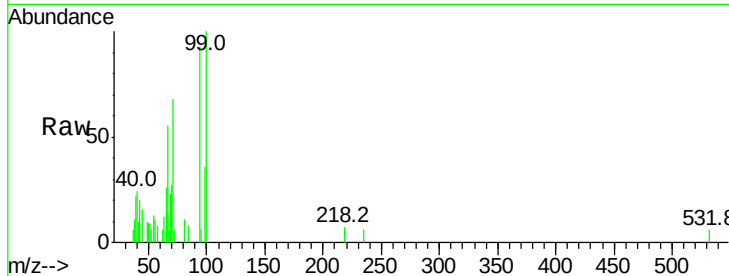
ClientSampled :

C0AN6

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.7	29.3	43.9#
66	58.7	45.0	67.6

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#34

2-Methylnaphthalene

Concen: 1.14 ng/ul

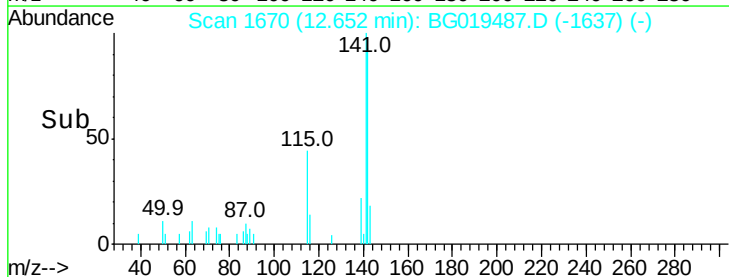
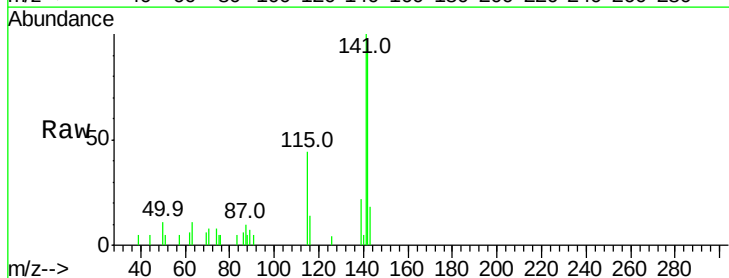
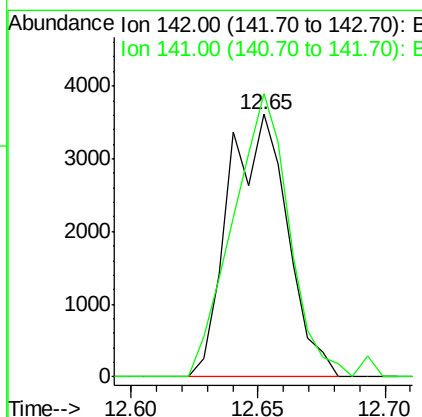
RT: 12.65 min Scan# 1670

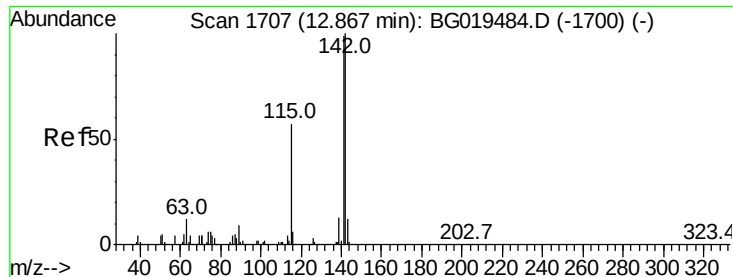
Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	107.9	73.4	110.2





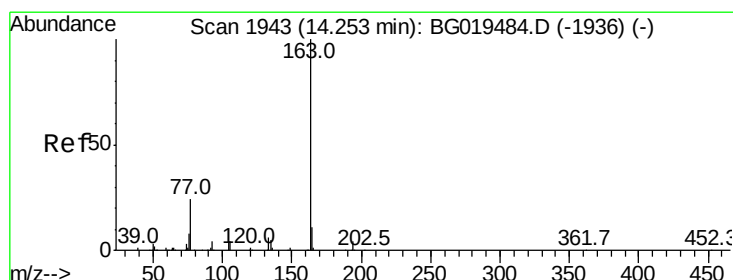
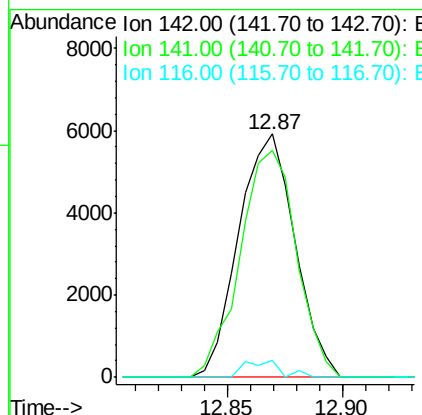
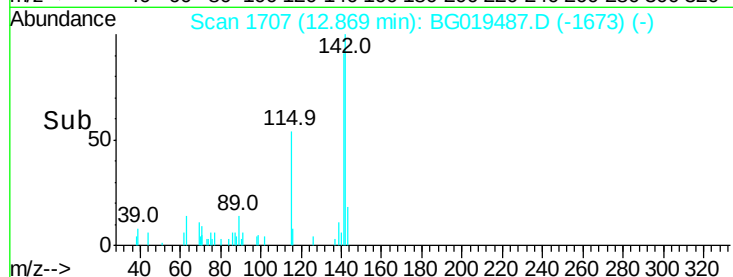
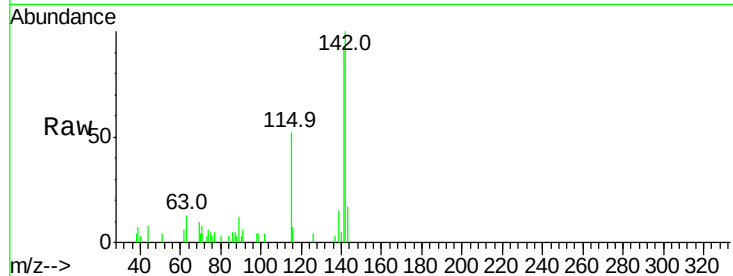
#35
 1-Methylnaphthalene
 Concen: 2.06 ng/ul
 RT: 12.87 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Instrument :
 BNA_G
 ClientSampleId :
 COAN6

Tot Ion	Ratio	Resp	Lower	Upper
142	100	10028		
141	93.3		76.5	114.7
116	7.1		5.4	8.0

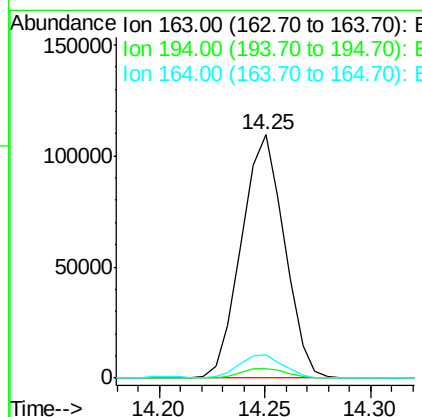
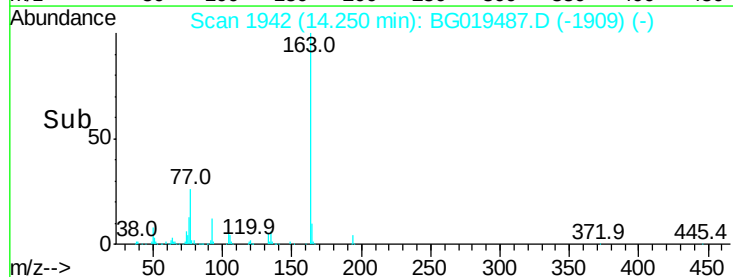
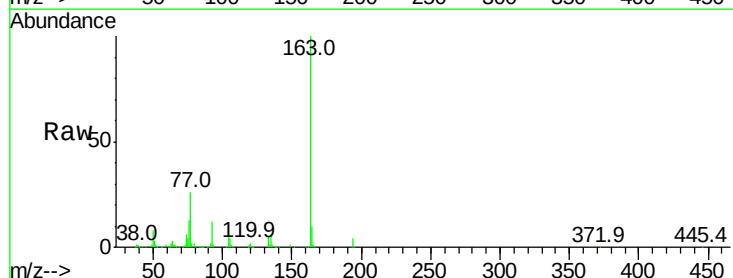
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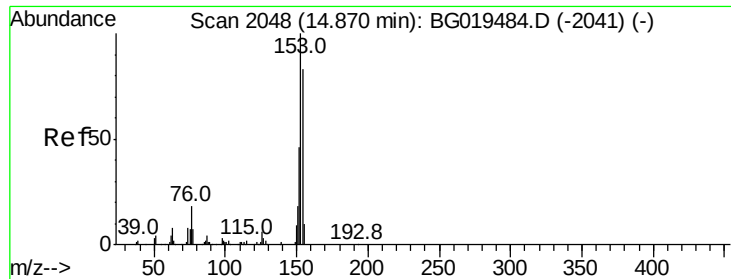
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#45
 Dimethylphthalate
 Concen: 17.05 ng/ul
 RT: 14.25 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	154973		
194	4.1		4.3	6.5#
164	9.9		7.5	11.3





#50

Acenaphthene

Concen: 14.16 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

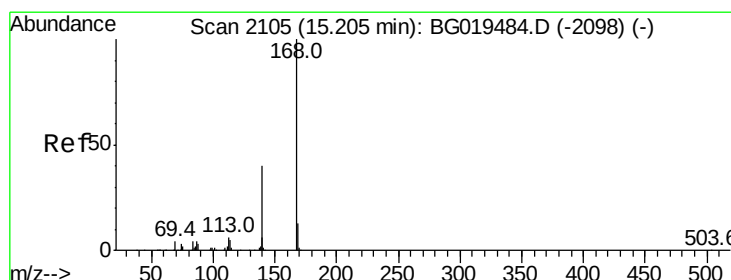
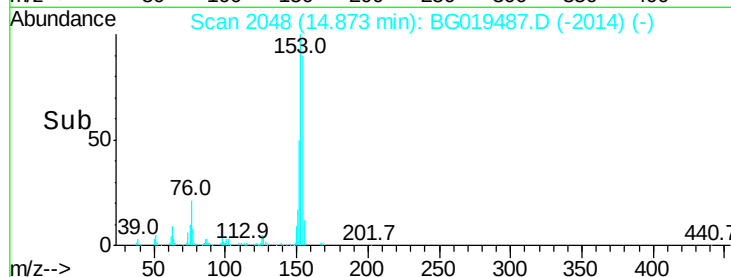
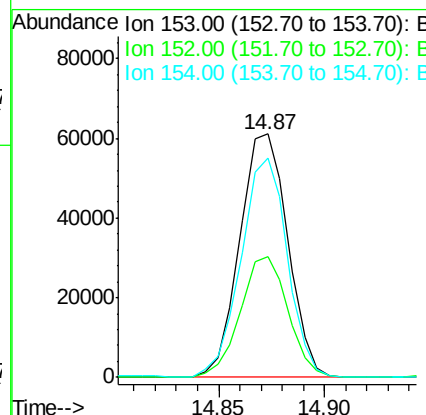
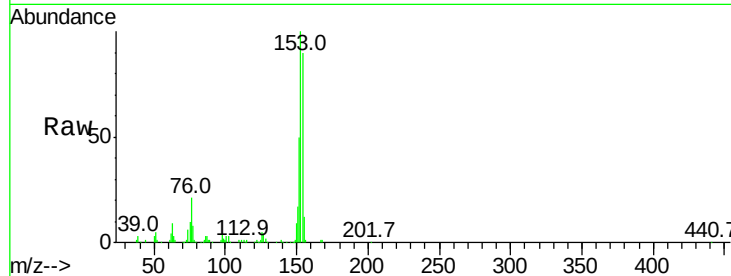
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
153	100		
152	49.8	38.8	58.2
154	90.0	71.5	107.3

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#54

Dibenzofuran

Concen: 6.37 ng/ul

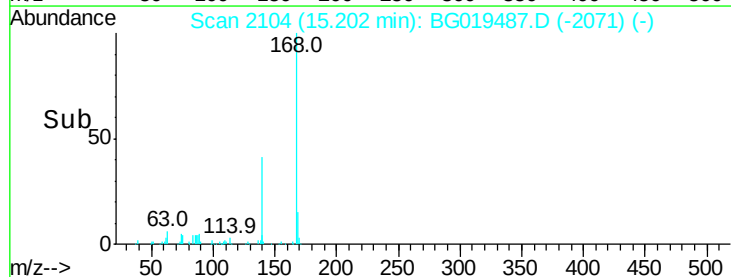
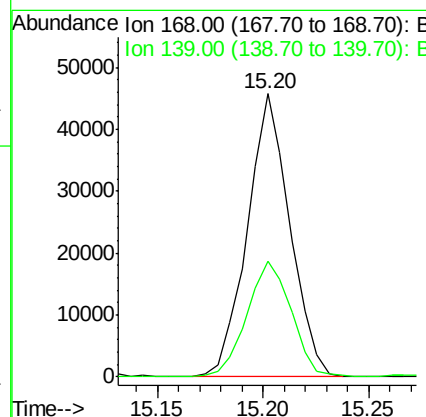
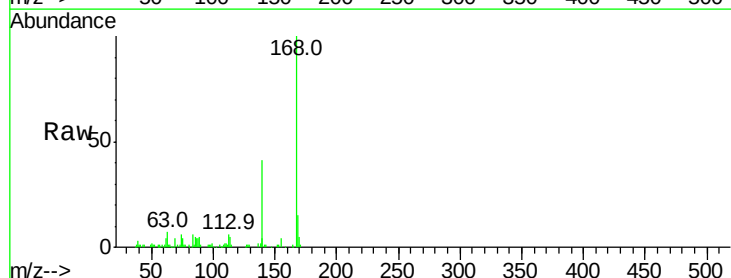
RT: 15.20 min Scan# 2104

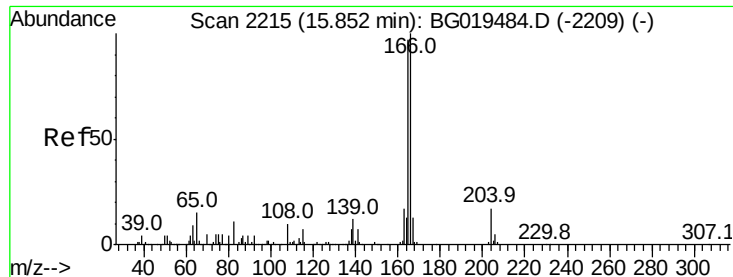
Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.8	32.4	48.6





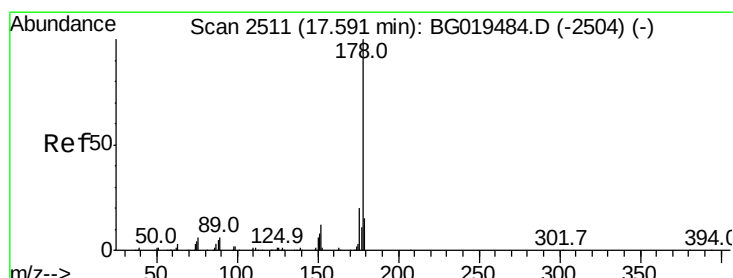
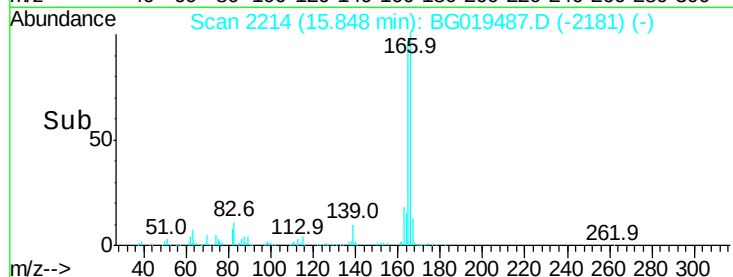
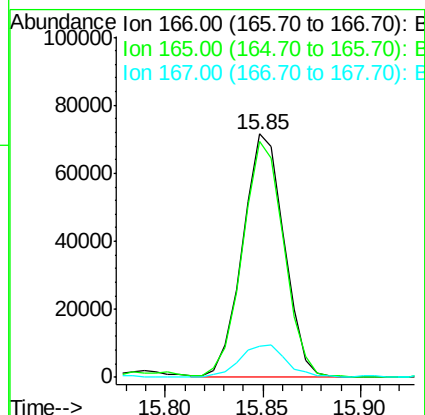
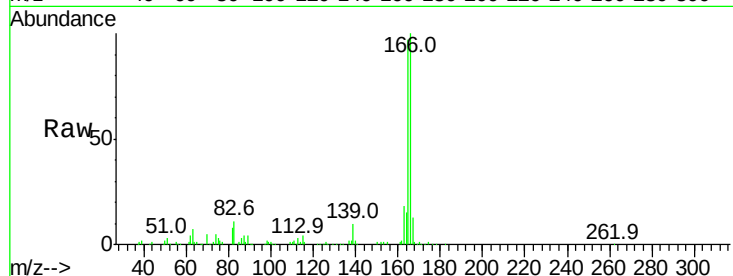
#59
Fluorene
Concen: 12.06 ng/ul
RT: 15.85 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BG019487.D
Acq: 5 Nov 2015 11:37

Instrument :
BNA_G
ClientSampleId :
C0AN6

Tot Ion:	166	Resp:	105523
Ion Ratio	Lower	Upper	
166	100		
165	96.7	77.6	116.4
167	13.0	9.6	14.4

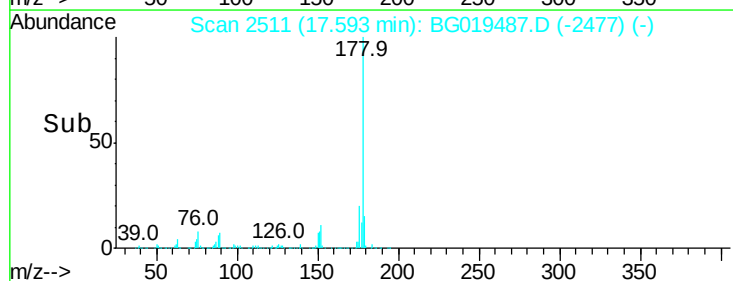
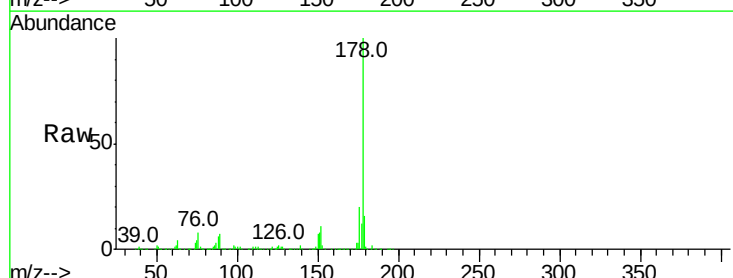
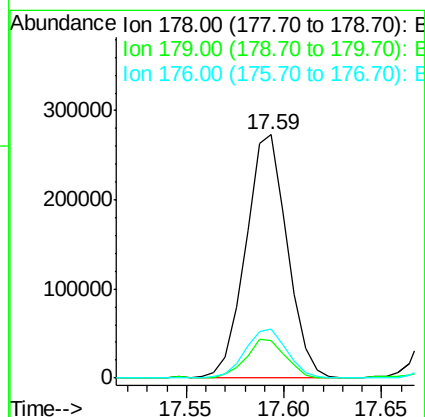
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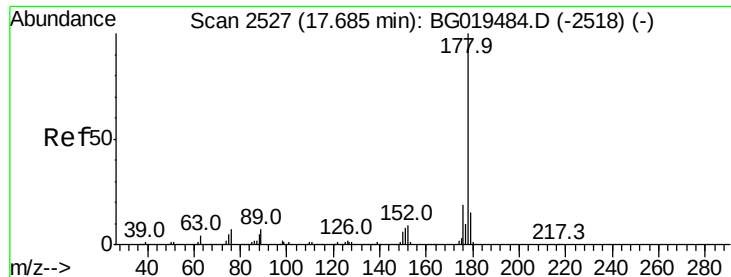
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#70
Phenanthrene
Concen: 25.90 ng/ul
RT: 17.59 min Scan# 2511
Delta R.T. 0.00 min
Lab File: BG019487.D
Acq: 5 Nov 2015 11:37

Tgt Ion:	178	Resp:	399879
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	18.8
176	20.1	14.3	21.5





#72

Anthracene

Concen: 9.25 ng/ul

RT: 17.68 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

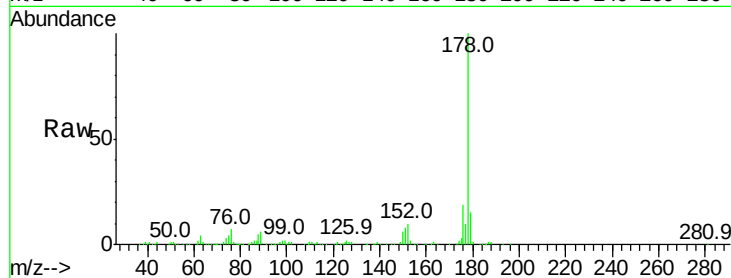
ClientSampleId :

C0AN6

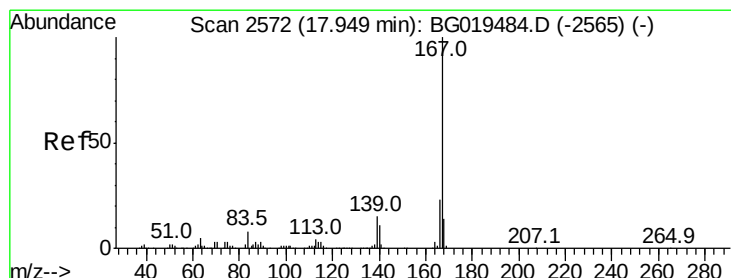
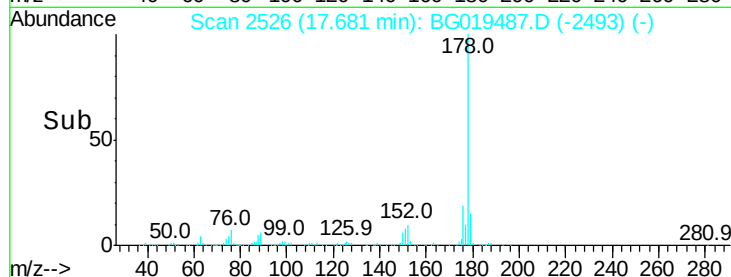
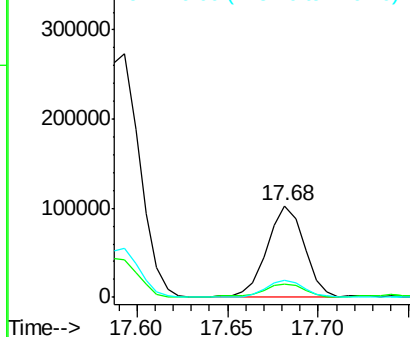
Tot Ion:	178	Resp:	145658
Ion Ratio	Lower	Upper	
178	100		
179	14.6	11.6	17.4
176	19.2	14.2	21.4

Manual Integrations
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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



#75

Carbazole

Concen: 1.09 ng/ul

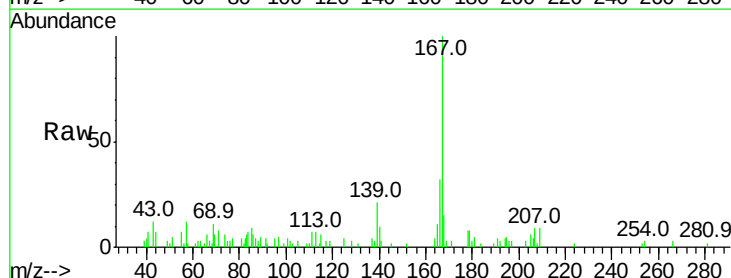
RT: 17.95 min Scan# 2571

Delta R.T. -0.00 min

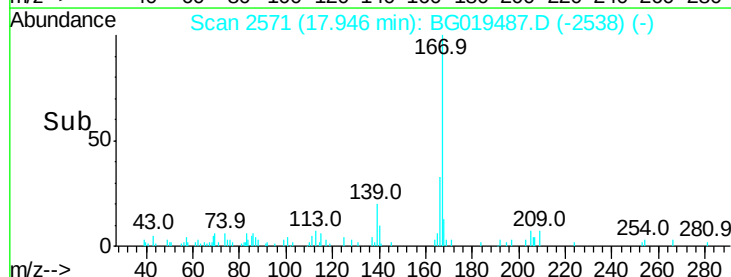
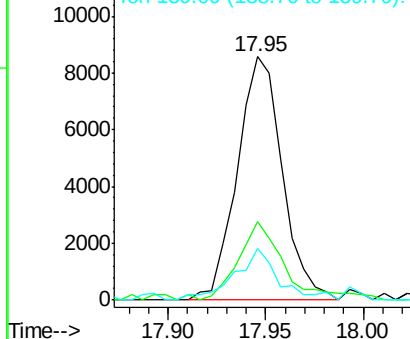
Lab File: BG019487.D

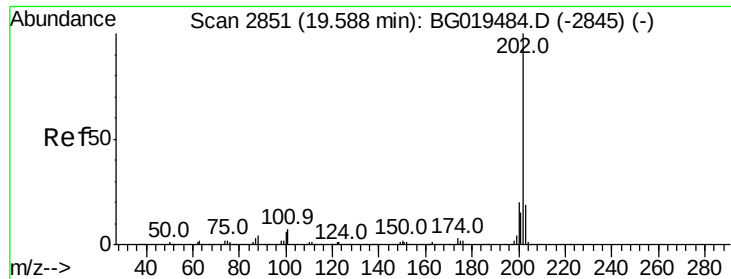
Acq: 5 Nov 2015 11:37

Tgt Ion:	167	Resp:	13667
Ion Ratio	Lower	Upper	
167	100		
166	32.3	16.8	25.2#
139	21.0	9.8	14.6#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 26.36 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

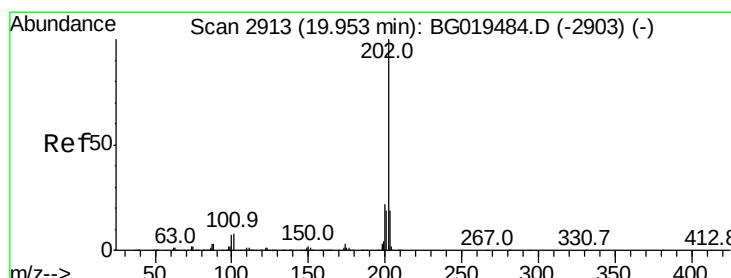
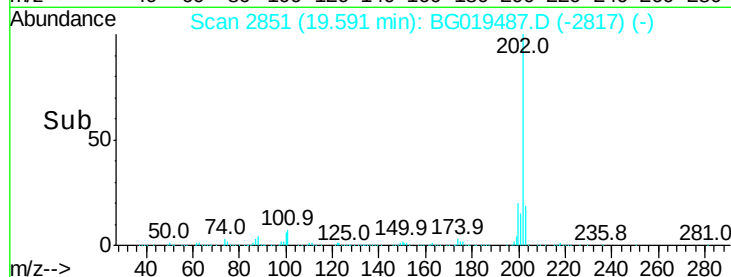
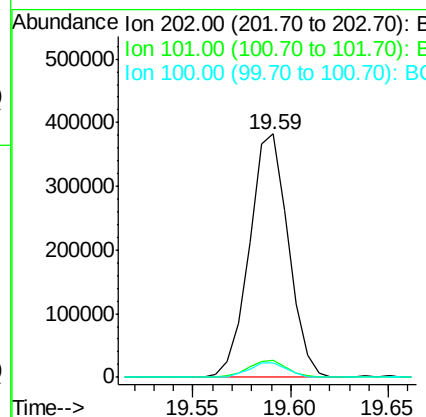
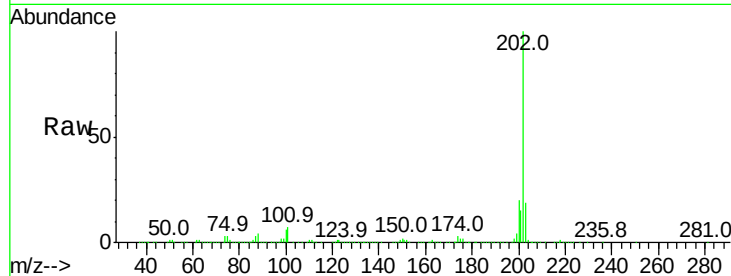
ClientSampleId :

C0AN6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.9	4.0	6.0#
100	5.7	3.6	5.4#

Manual Integrations
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#80

Pyrene

Concen: 15.87 ng/ul

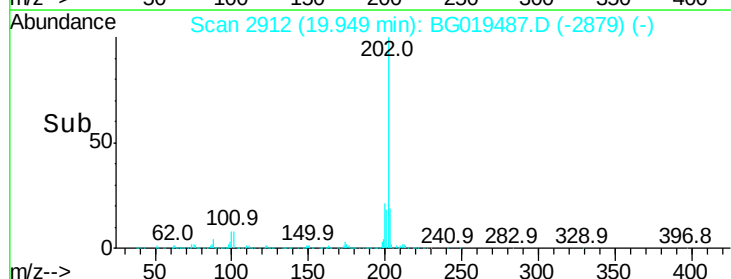
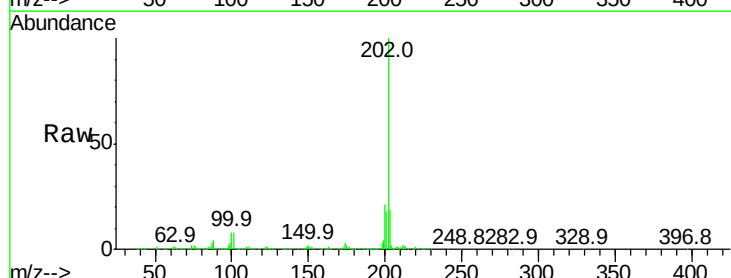
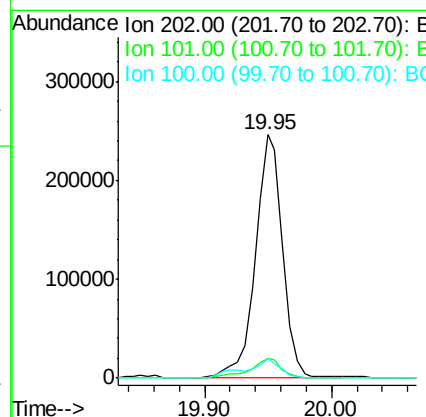
RT: 19.95 min Scan# 2912

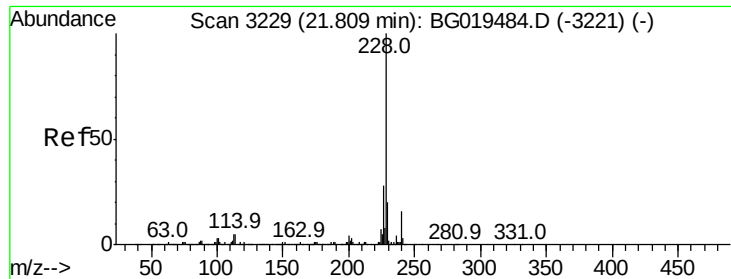
Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	4.3	6.5#
100	7.9	3.6	5.4#





#83

Benzo(a)anthracene

Concen: 7.75 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Instrument :

BNA_G

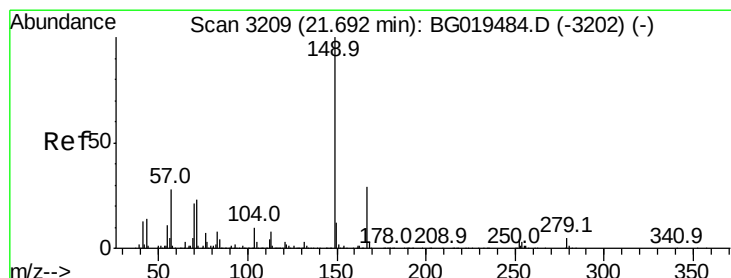
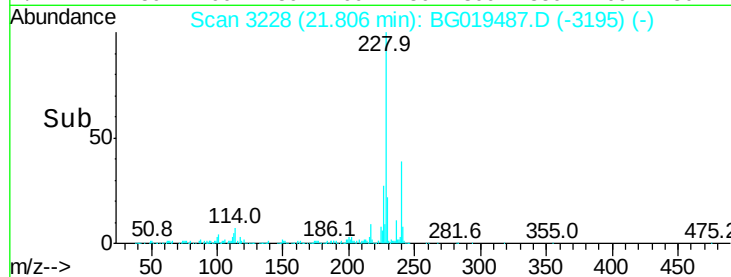
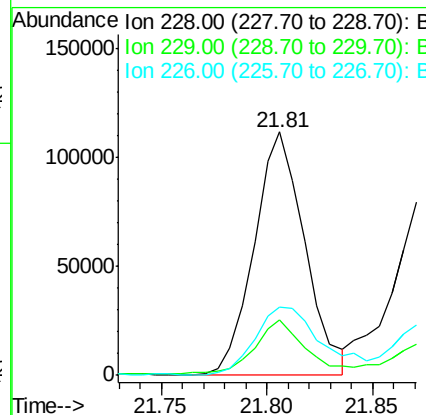
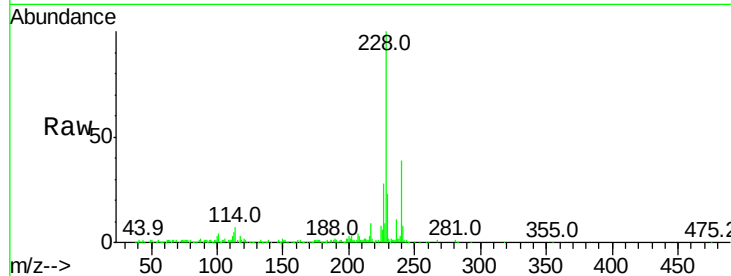
ClientSampleId :

C0AN6

Tot Ion:	228	Resp:	185450
Ion Ratio	Lower	Upper	
228	100		
229	22.6	15.8	23.8
226	27.8	21.8	32.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 1.41 ng/ul

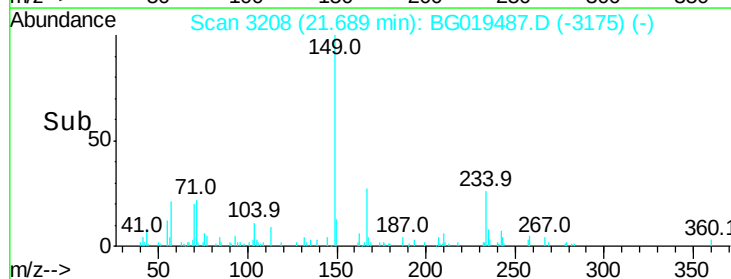
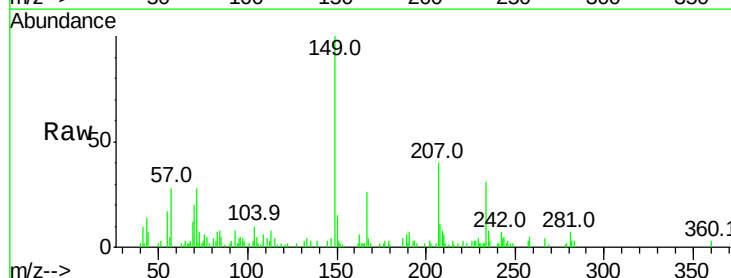
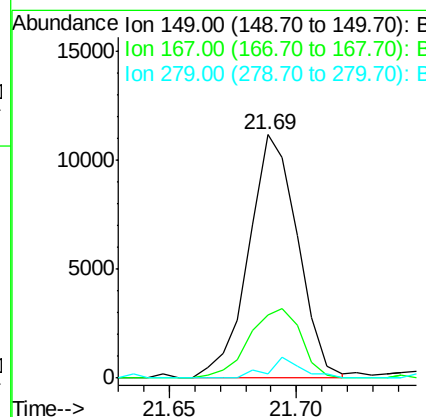
RT: 21.69 min Scan# 3208

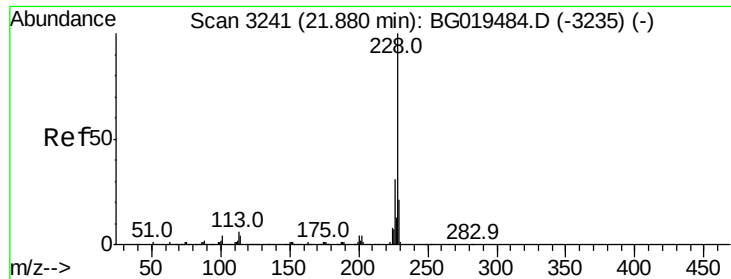
Delta R.T. -0.00 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Tgt Ion:	149	Resp:	15055
Ion Ratio	Lower	Upper	
149	100		
167	25.9	23.2	34.8
279	1.9	5.0	7.4#





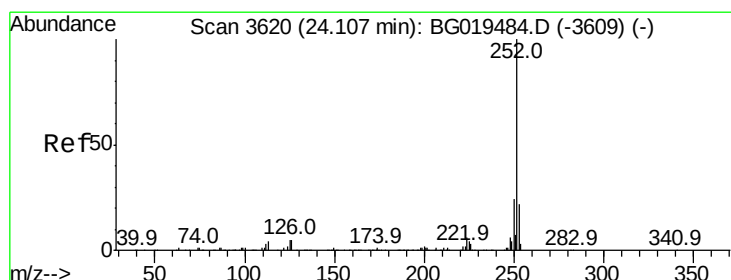
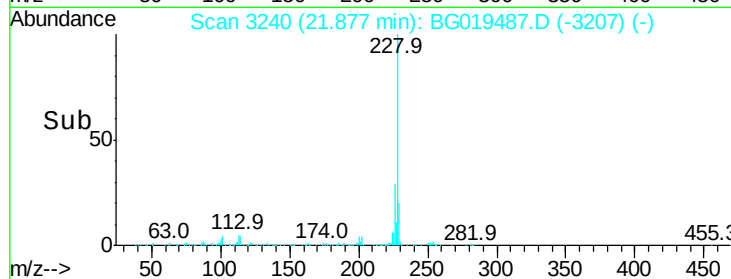
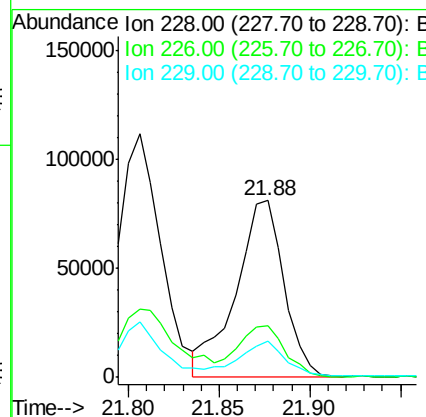
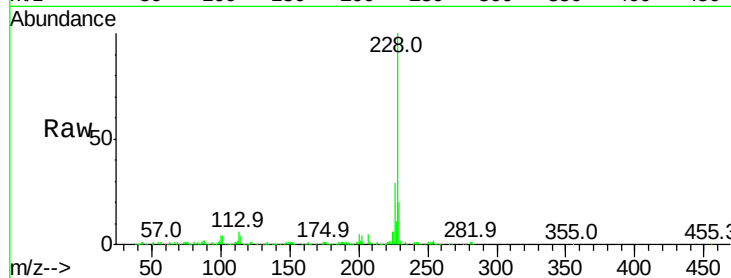
#85
 Chrysene
 Concen: 6.62 ng/ul
 RT: 21.88 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Instrument :
 BNA_G
 ClientSampleID :
 C0AN6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.0		24.6	36.8	
229	20.5		17.3	25.9	

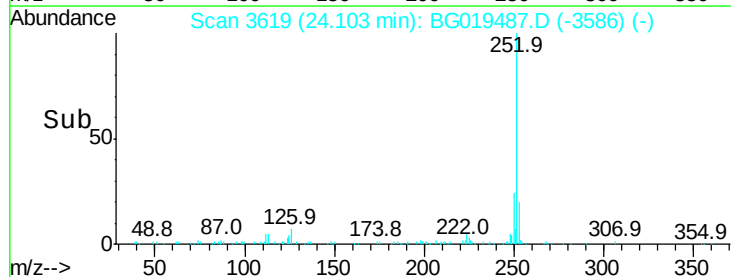
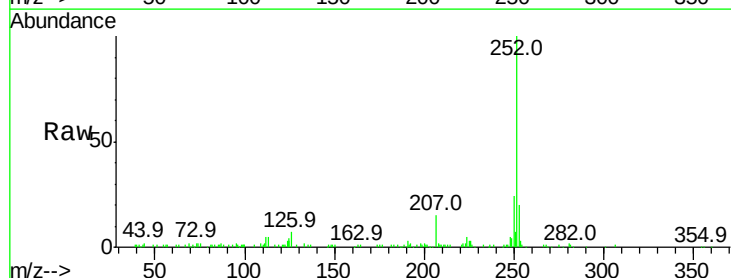
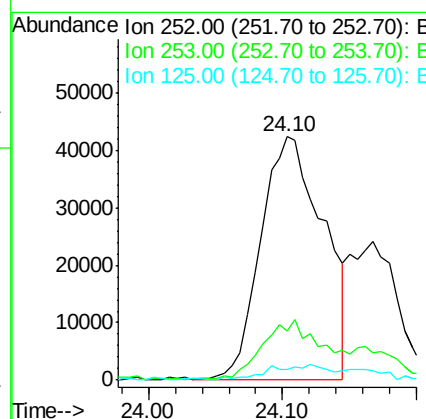
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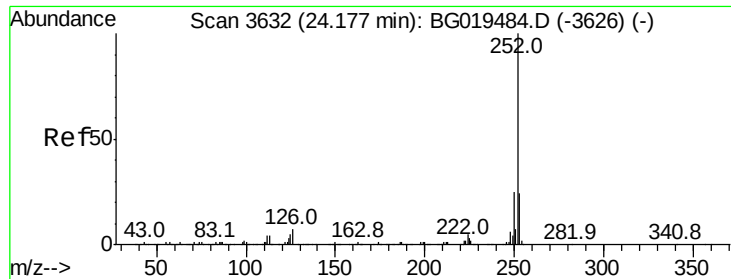
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#88
 Benzo(b)fluoranthene
 Concen: 6.03 ng/ul
 RT: 24.10 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: BG019487.D
 Acq: 5 Nov 2015 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	20.0		17.1	25.7	
125	4.4		2.5	3.7#	





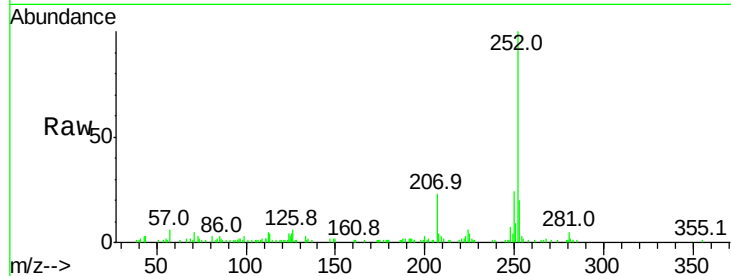
#89
Benzo(k)fluoranthene
Concen: 2.65 ng/ul m
RT: 24.17 min Scan# 3630
Delta R.T. -0.01 min
Lab File: BG019487.D
Acq: 5 Nov 2015 11:37

Instrument :
BNA_G
ClientSampleId :
C0AN6

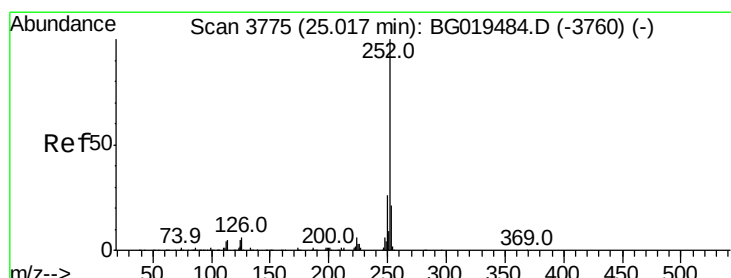
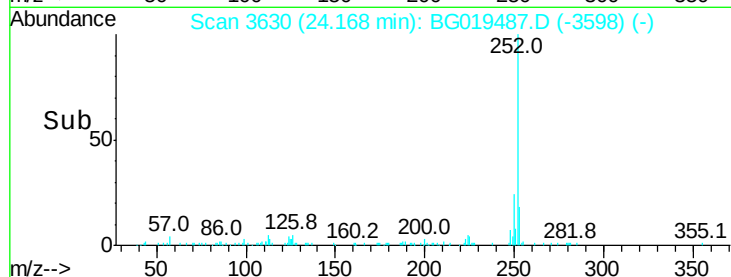
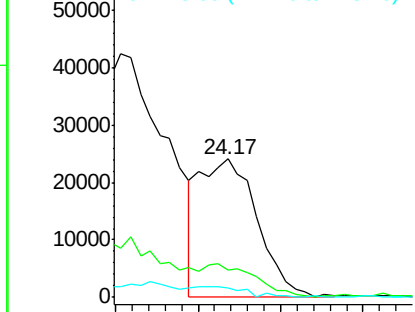
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.2	25.8
125	3.6	3.1	4.7

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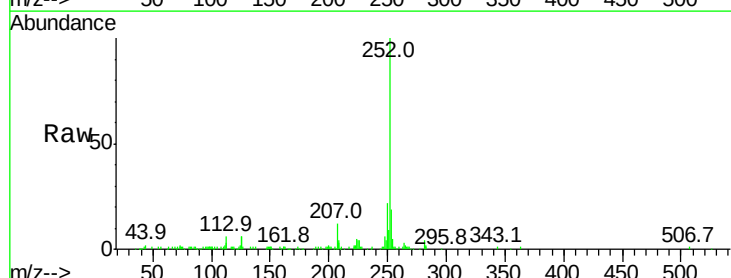


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

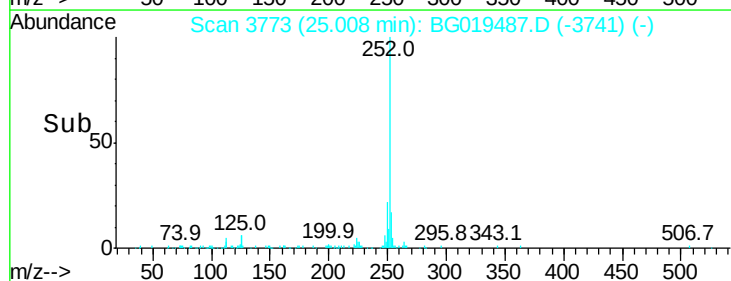
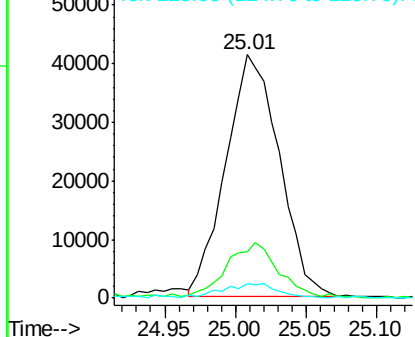


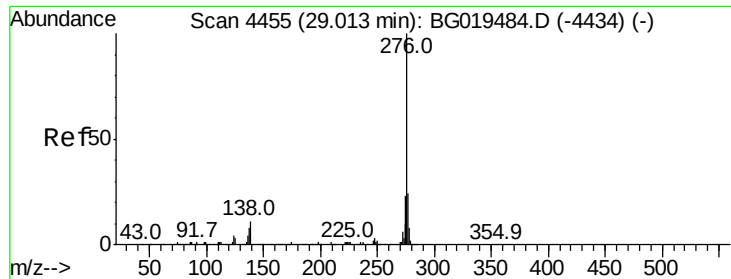
#91
Benzo(a)pyrene
Concen: 4.94 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. -0.01 min
Lab File: BG019487.D
Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.2	16.0	24.0
125	6.2	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: 2.20 ng/ul m

RT: 29.00 min Scan# 4452

Delta R.T. -0.01 min

Lab File: BG019487.D

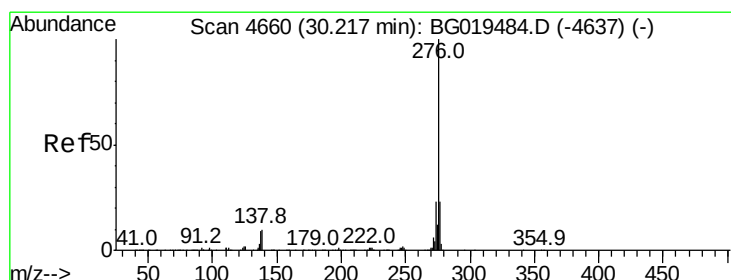
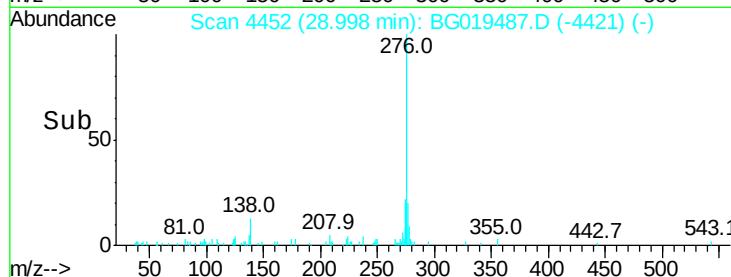
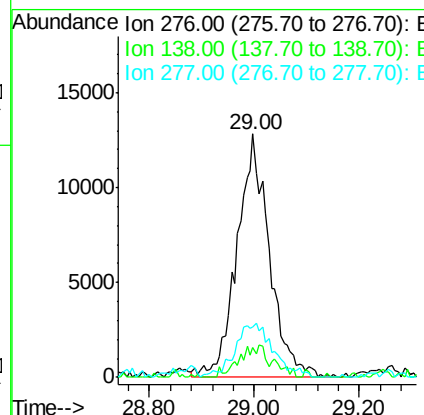
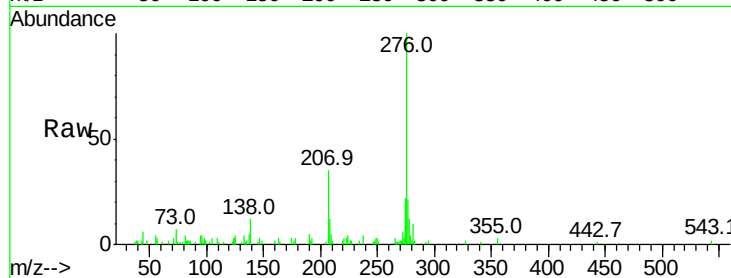
Acq: 5 Nov 2015 11:37

Instrument :
BNA_G
ClientSampleId :
C0AN6

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.4	6.2	9.4#
277	20.6	17.9	26.9

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#94

Benzo(g,h,i)perylene

Concen: 2.31 ng/ul m

RT: 30.19 min Scan# 4655

Delta R.T. -0.03 min

Lab File: BG019487.D

Acq: 5 Nov 2015 11:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.4	5.6	8.4#
277	24.2	16.0	24.0#

