

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
 Data File : BG018544.D
 Acq On : 29 Aug 2015 20:02
 Operator : UM/MA
 Sample : G3476-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCTJ1MSD

Quant Time: Aug 31 03:39:05 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 03:36:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	96875	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	470822	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	313486	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.38	188	747236	20.00	ng/ul	-0.01
78) Chrysene-d12	21.64	240	723711	20.00	ng/ul	-0.03
86) Perylene-d12	24.83	264	714229	20.00	ng/ul	-0.06

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.44	96	8812	4.02	ng/uL	0.00
5) Phenol-d5	7.17	99	265783	30.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	148588	27.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	191115	28.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	225567	30.53	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	109805	29.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	113433	30.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	244526	30.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	204976	22.86	ng/ul	0.00
44) Dimethylphthalate-d6	14.04	166	755830	28.66	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	979772	29.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.83	143	146061	30.79	ng/ul	0.00
58) Fluorene-d10	15.63	176	700458	30.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	98315	26.75	ng/ul	-0.01
71) Anthracene-d10	17.48	188	1075312	30.09	ng/ul	-0.01
79) Pyrene-d10	19.76	212	1091439	29.07	ng/ul	-0.01
90) Benzo(a)pyrene-d12	24.62	264	1135944	29.96	ng/ul	-0.06

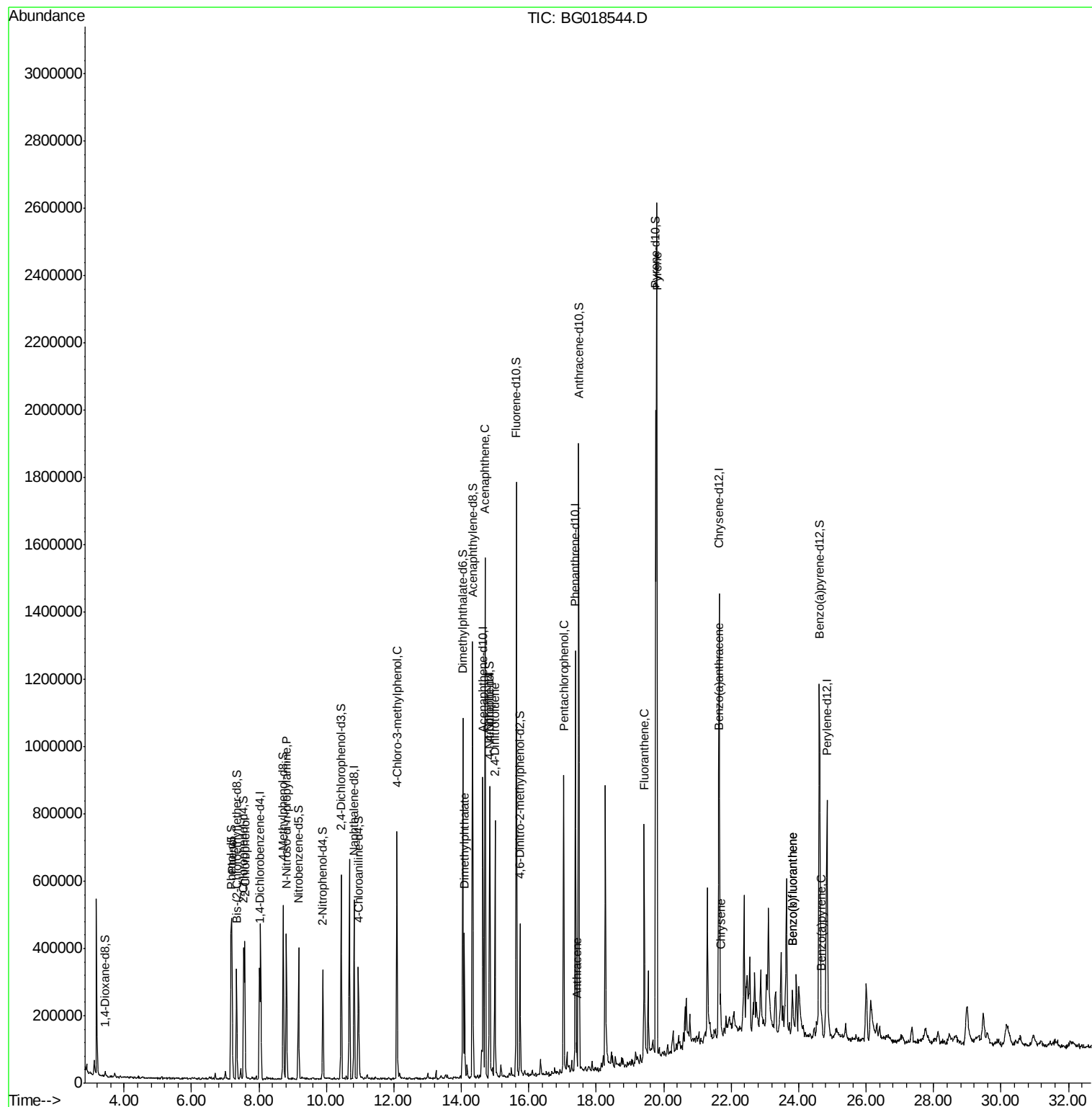
Target Compounds				Qvalue		
6) Phenol	7.20	94	275917	30.77	ng/ul	92
10) 2-Chlorophenol	7.58	128	192443	28.04	ng/ul	93
15) N-Nitroso-di-n-propylamine	8.81	70	170062	27.77	ng/ul#	86
33) 4-Chloro-3-methylphenol	12.09	107	273724	31.79	ng/ul	93
45) Dimethylphthalate	14.09	163	292461	11.24	ng/ul	99
50) Acenaphthene	14.71	153	674003	28.84	ng/ul	99
53) 4-Nitrophenol	14.85	109	108323	26.26	ng/ul	93
55) 2,4-Dinitrotoluene	14.99	165	223434	30.21	ng/ul	92
69) Pentachlorophenol	17.03	266	159013	27.78	ng/ul	94
72) Anthracene	17.42	178	50655	1.23	ng/ul	94
77) Fluoranthene	19.43	202	127671	2.95	ng/ul	98
80) Pyrene	19.79	202	1467149	29.98	ng/ul	98
83) Benzo(a)anthracene	21.62	228	64657	1.44	ng/ul	97
85) Chrysene	21.68	228	79836	1.90	ng/ul	94
88) Benzo(b)fluoranthene	23.81	252	86915	1.94	ng/ul#	95
89) Benzo(k)fluoranthene	23.81	252	86915	2.01	ng/ul#	95
91) Benzo(a)pyrene	24.68	252	63870	1.50	ng/ul#	93

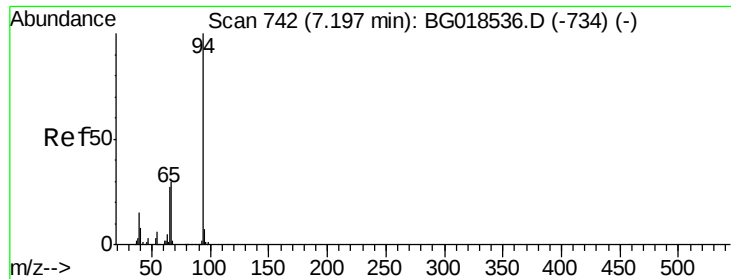
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 30.77 ng/ul

RT: 7.20 min Scan# 742

Delta R.T. -0.00 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

Instrument :

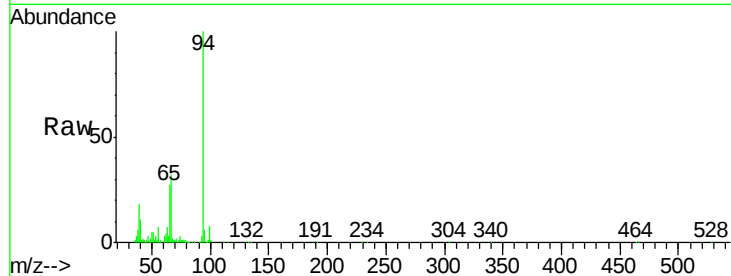
BNA_G

ClientSampleId :

BCTJ1MSD

Tgt Ion: 94 Resp: 275917

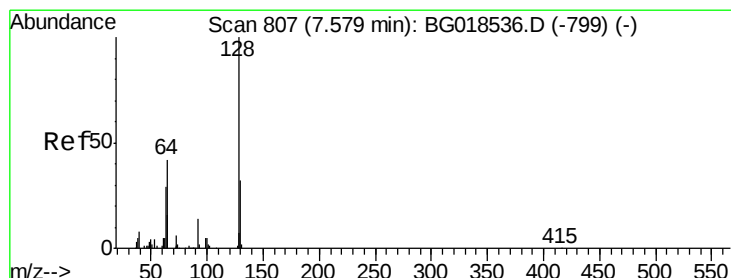
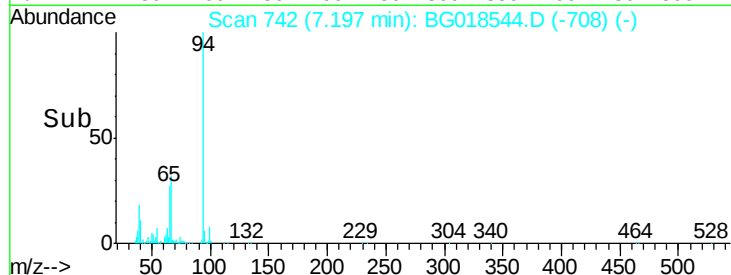
Ion	Ratio	Lower	Upper
94	100		
65	27.2	23.0	34.6
66	31.7	31.0	46.4



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 28.04 ng/ul

RT: 7.58 min Scan# 807

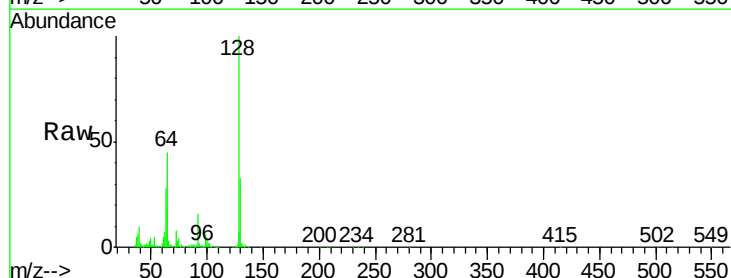
Delta R.T. -0.00 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

Tgt Ion: 128 Resp: 192443

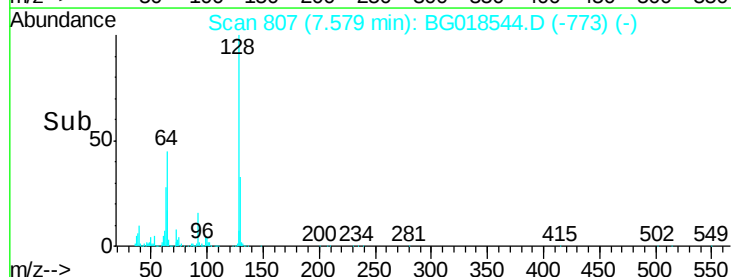
Ion	Ratio	Lower	Upper
128	100		
64	45.1	40.9	61.3
130	33.0	24.5	36.7

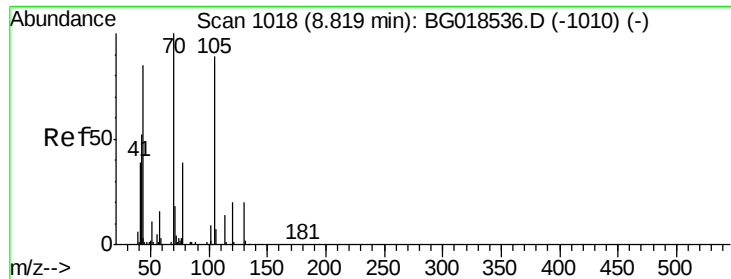


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 27.77 ng/ul

RT: 8.81 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

Instrument :

BNA_G

ClientSampleId :

BCTJ1MSD

Tgt Ion: 70 Resp: 170062

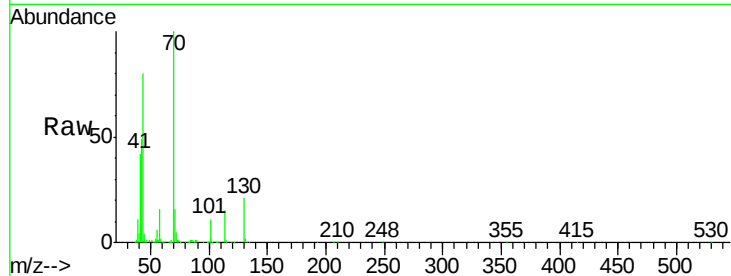
Ion Ratio Lower Upper

70 100

42 49.3 50.7 76.1#

101 10.5 7.4 11.2

130 21.3 15.8 23.6

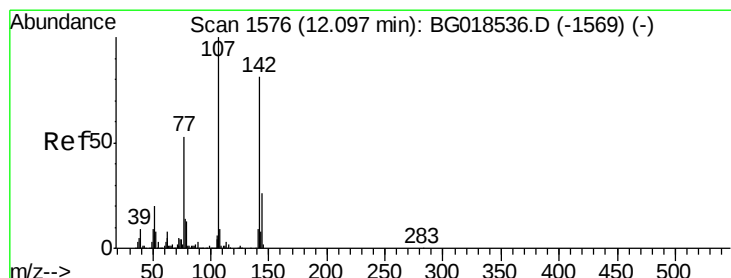
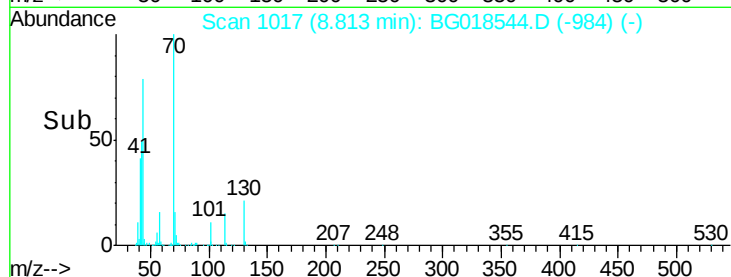
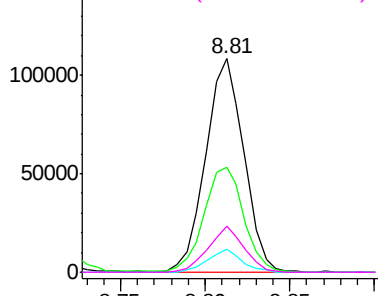


Abundance Ion 70.00 (69.70 to 70.70): BG018536.D (-1010) (-)

Ion 42.00 (41.70 to 42.70): BG018536.D (-1010) (-)

Ion 101.00 (100.70 to 101.70): BG018536.D (-1010) (-)

Ion 130.00 (129.70 to 130.70): BG018536.D (-1010) (-)



#33

4-Chloro-3-methylphenol

Concen: 31.79 ng/ul

RT: 12.09 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

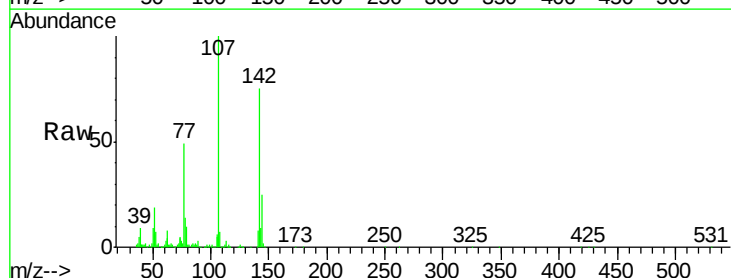
Tgt Ion: 107 Resp: 273724

Ion Ratio Lower Upper

107 100

144 24.6 21.4 32.2

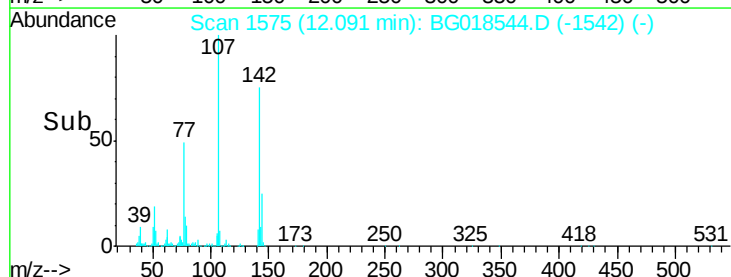
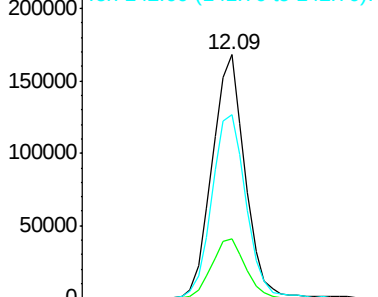
142 75.1 66.0 99.0

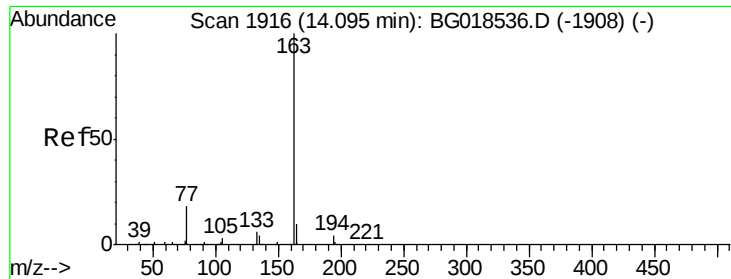


Abundance Ion 107.00 (106.70 to 107.70): BG018536.D (-1569) (-)

Ion 144.00 (143.70 to 144.70): BG018536.D (-1569) (-)

Ion 142.00 (141.70 to 142.70): BG018536.D (-1569) (-)

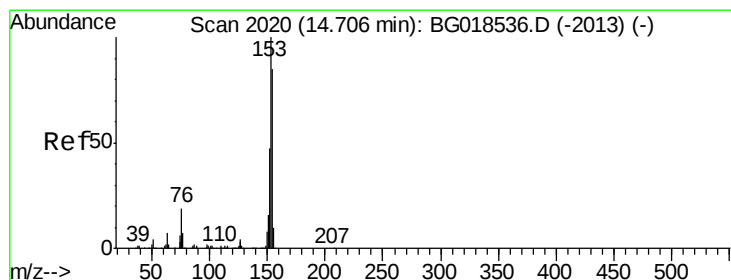
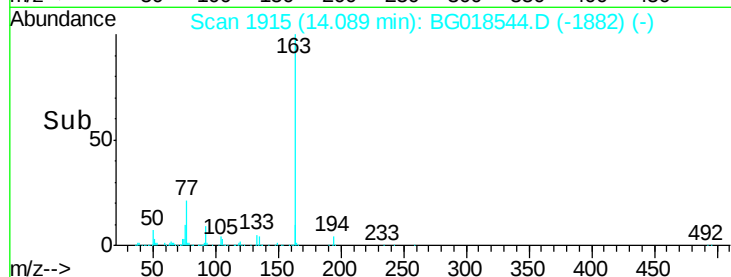
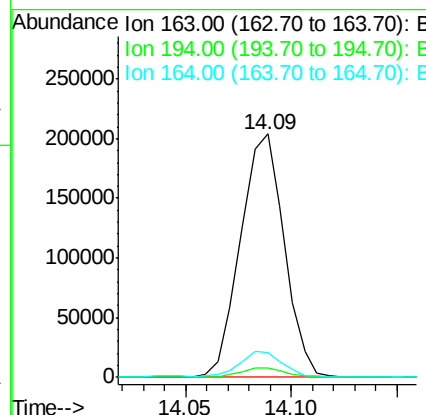
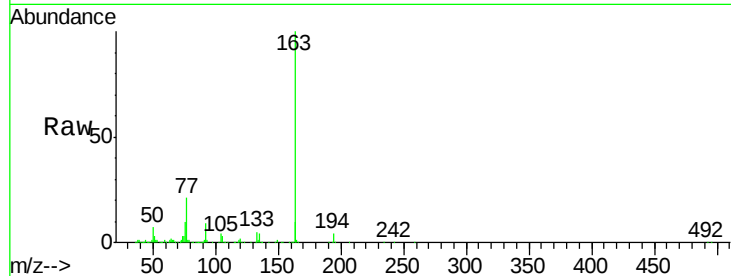




#45
Dimethylphthalate
Concen: 11.24 ng/ul
RT: 14.09 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BG018544.D
Acq: 29 Aug 2015 20:02

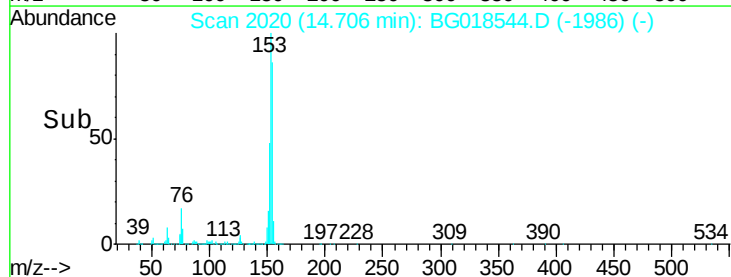
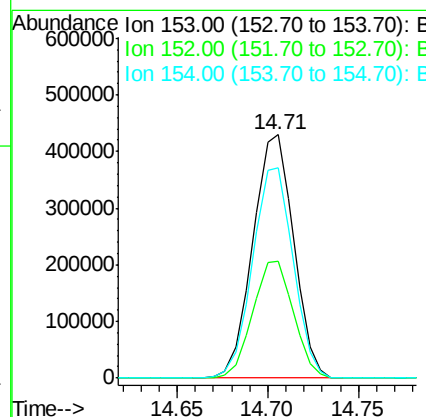
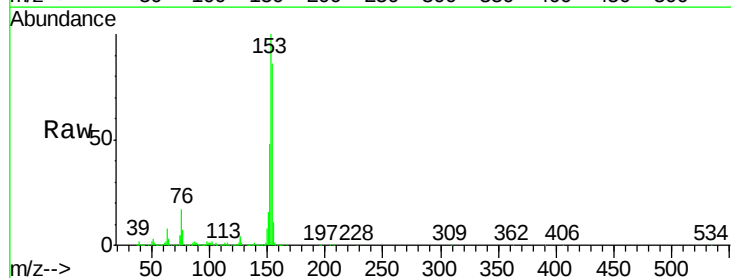
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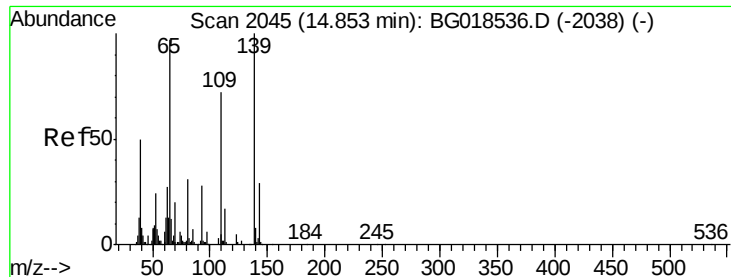
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.9	4.3
164	10.0	7.7	11.5



#50
Acenaphthene
Concen: 28.84 ng/ul
RT: 14.71 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BG018544.D
Acq: 29 Aug 2015 20:02

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.0	38.2	57.4
154	86.4	68.6	103.0

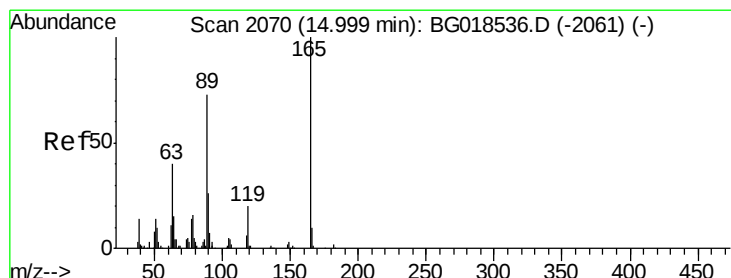
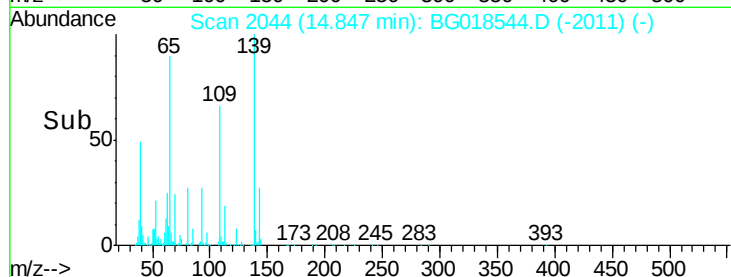
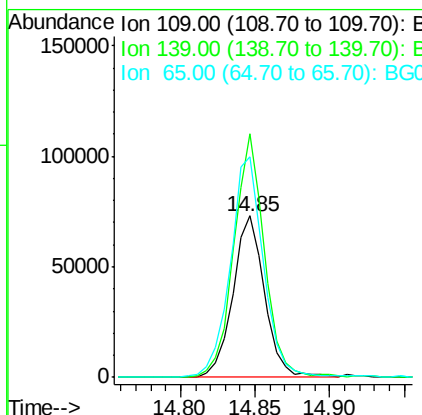
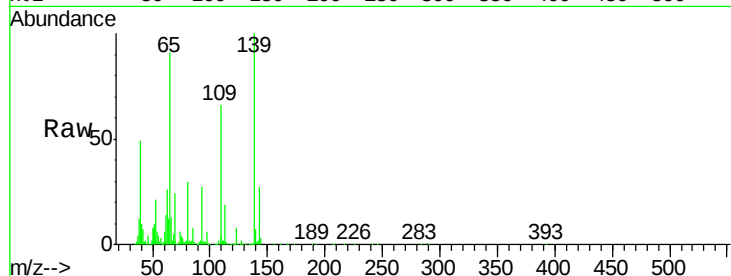




#53
4-Nitrophenol
Concen: 26.26 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BG018544.D
Acq: 29 Aug 2015 20:02

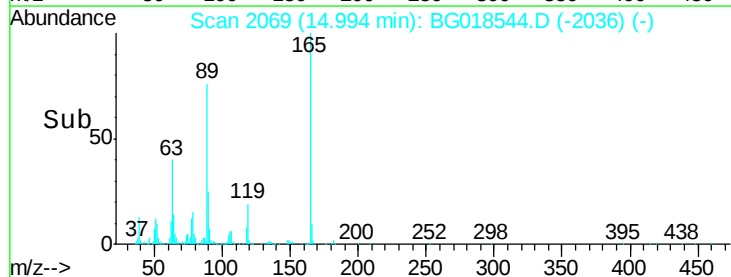
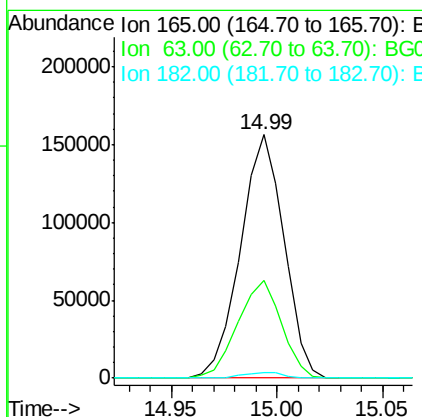
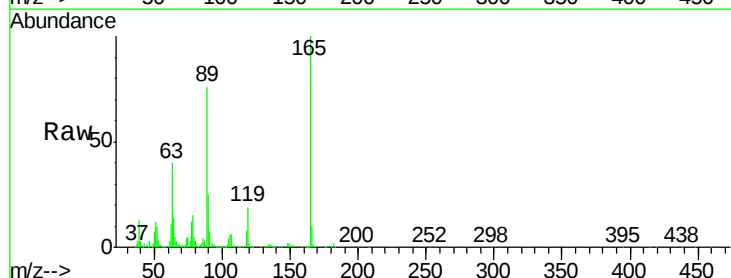
Instrument :
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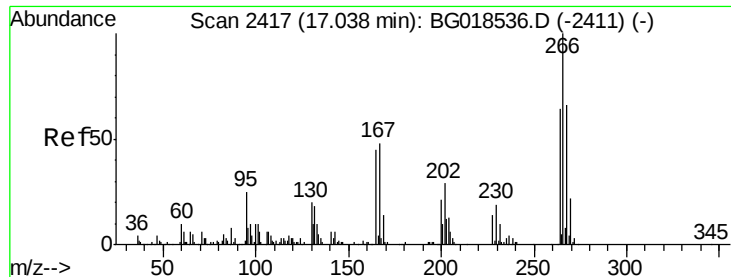
Tgt Ion	Ratio	Lower	Upper
109	100		
139	151.1	111.3	166.9
65	136.9	105.3	157.9



#55
2,4-Dinitrotoluene
Concen: 30.21 ng/ul
RT: 14.99 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BG018544.D
Acq: 29 Aug 2015 20:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.2	36.7	55.1
182	2.3	2.2	3.2

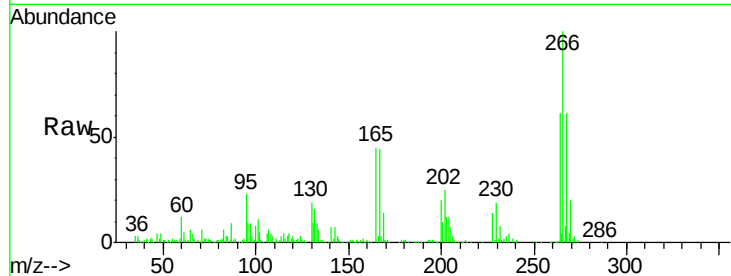




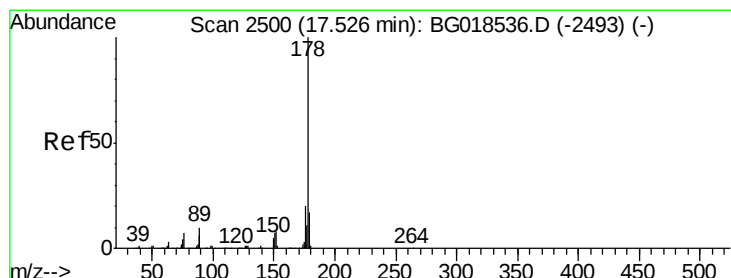
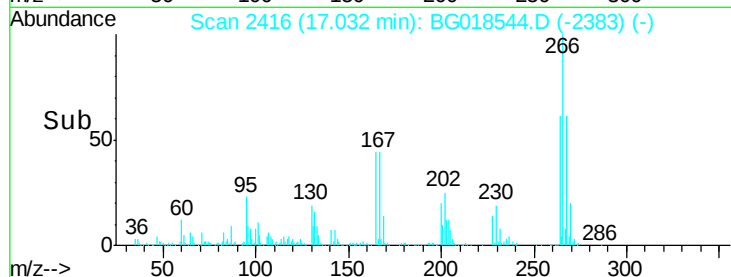
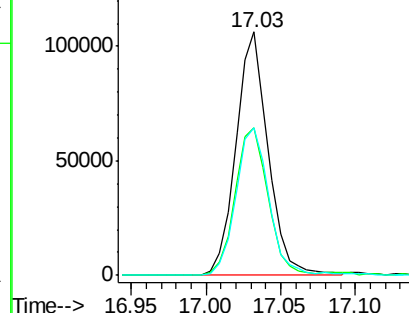
#69
 Pentachlorophenol
 Concen: 27.78 ng/ul
 RT: 17.03 min Scan# 2416
 Delta R.T. -0.01 min
 Lab File: BG018544.D
 Acq: 29 Aug 2015 20:02

Instrument :
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 ClientSampleId :
 BCTJ1MSD

Tgt Ion:266 Resp: 159013
 Ion Ratio Lower Upper
 266 100
 264 60.8 55.4 83.0
 268 65.2 53.6 80.4

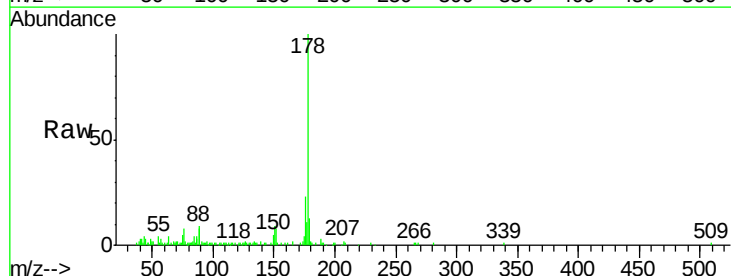


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

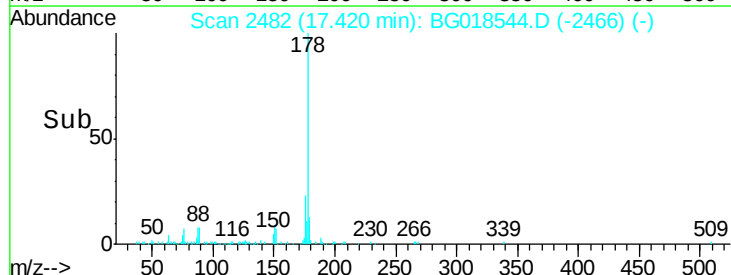
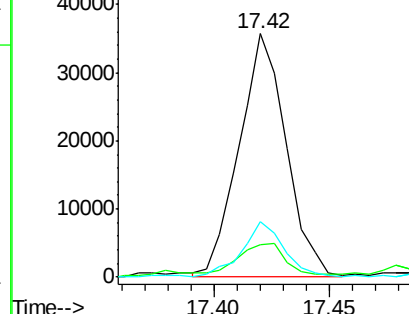


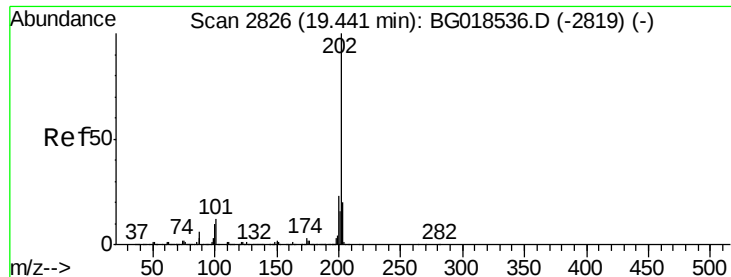
#72
 Anthracene
 Concen: 1.23 ng/ul
 RT: 17.42 min Scan# 2482
 Delta R.T. -0.11 min
 Lab File: BG018544.D
 Acq: 29 Aug 2015 20:02

Tgt Ion:178 Resp: 50655
 Ion Ratio Lower Upper
 178 100
 179 13.5 13.0 19.4
 176 23.0 16.0 24.0



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





#77

Fluoranthene

Concen: 2.95 ng/ul

RT: 19.43 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

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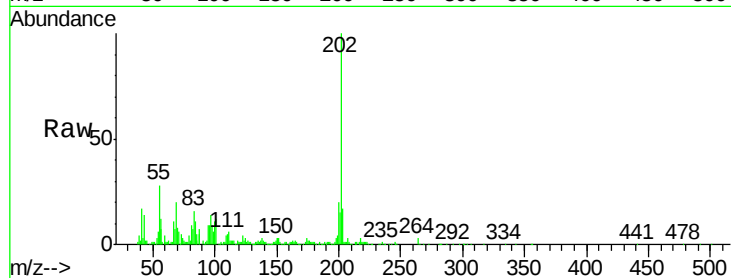
Tgt Ion:202 Resp: 127671

Ion Ratio Lower Upper

202 100

101 12.2 9.7 14.5

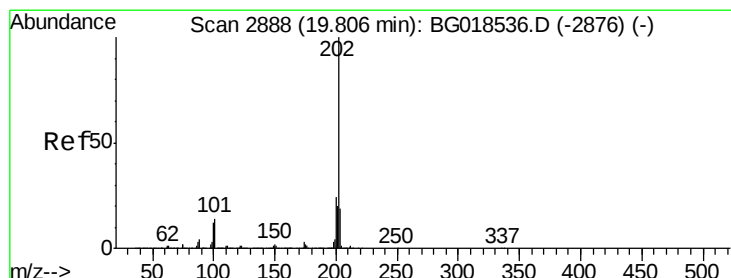
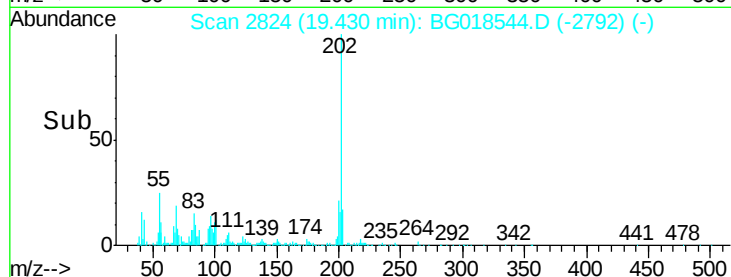
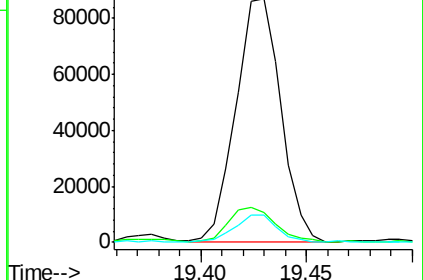
100 11.4 7.8 11.8



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



#80

Pyrene

Concen: 29.98 ng/ul

RT: 19.79 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

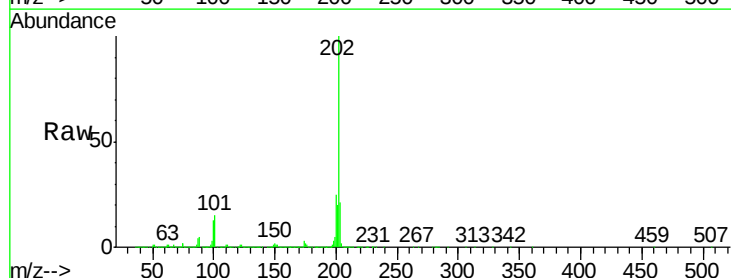
Tgt Ion:202 Resp: 1467149

Ion Ratio Lower Upper

202 100

101 14.6 11.0 16.4

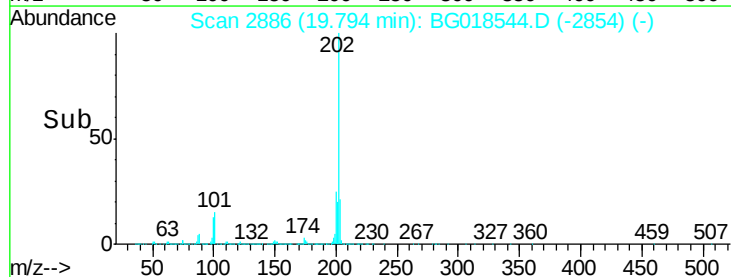
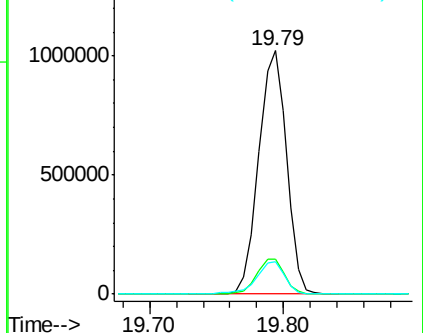
100 13.2 9.8 14.6

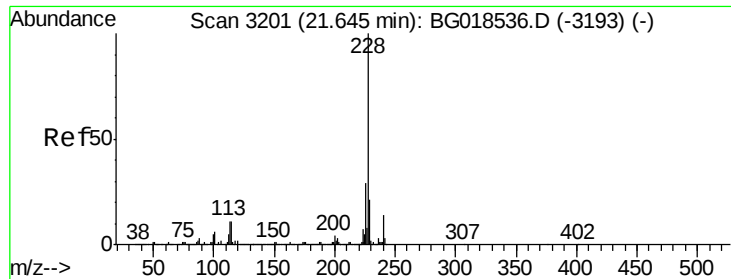


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 1.44 ng/ul

RT: 21.62 min Scan# 3197

Delta R.T. -0.02 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

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ClientSampleId :

BCTJ1MSD

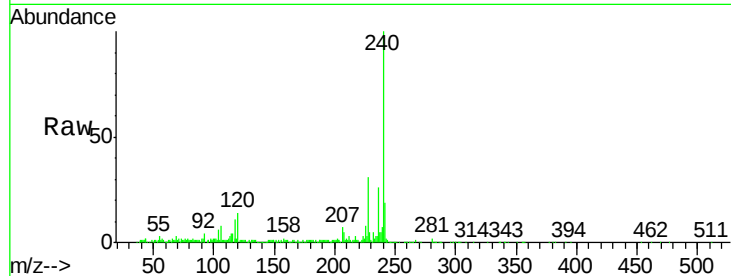
Tgt Ion:228 Resp: 64657

Ion Ratio Lower Upper

228 100

229 17.1 15.5 23.3

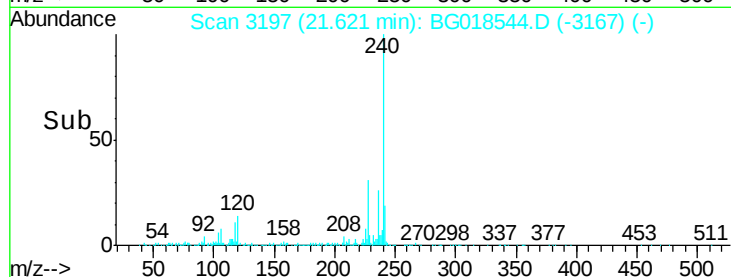
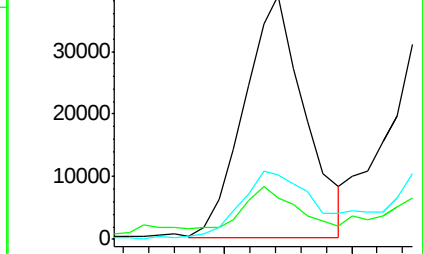
226 26.4 22.1 33.1



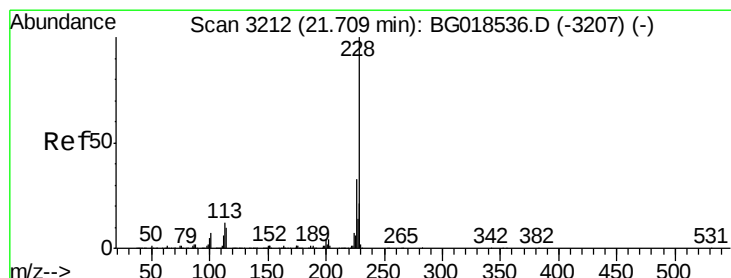
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#85

Chrysene

Concen: 1.90 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. -0.03 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

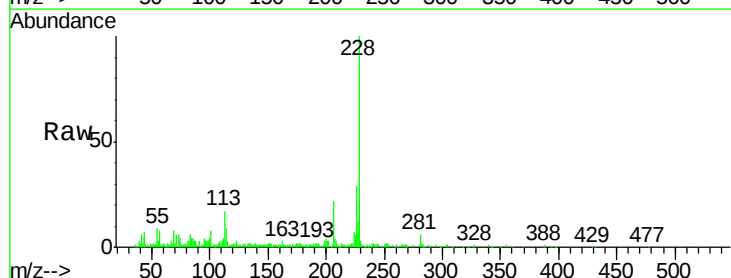
Tgt Ion:228 Resp: 79836

Ion Ratio Lower Upper

228 100

226 28.6 26.5 39.7

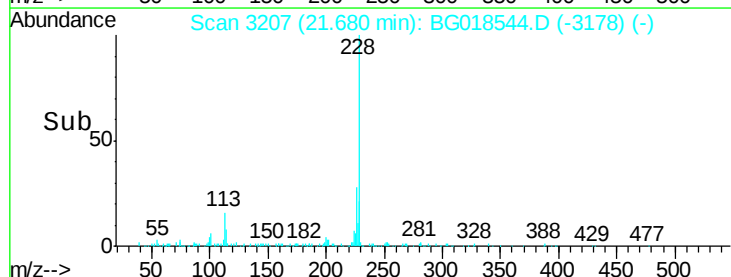
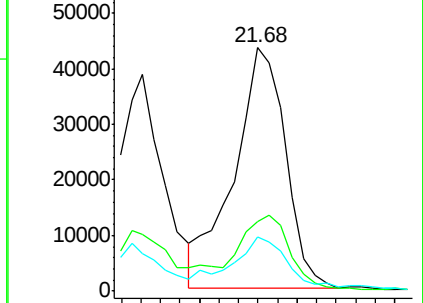
229 22.1 16.9 25.3



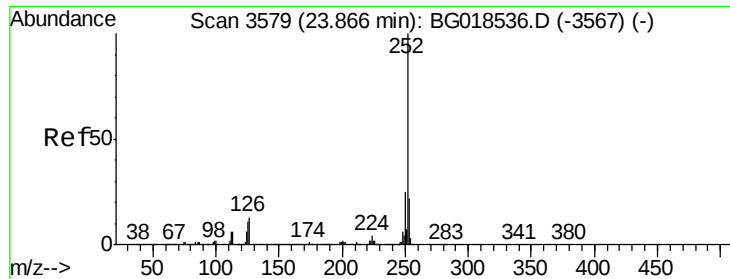
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 1.94 ng/ul

RT: 23.81 min Scan# 3570

Delta R.T. -0.05 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

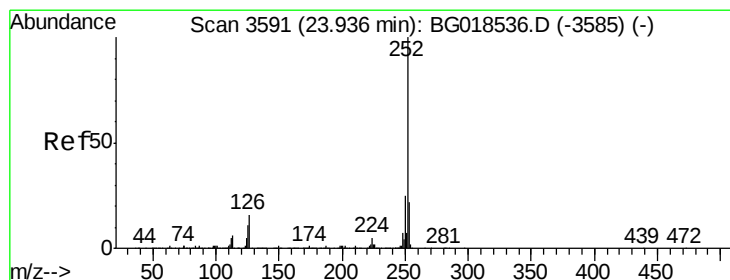
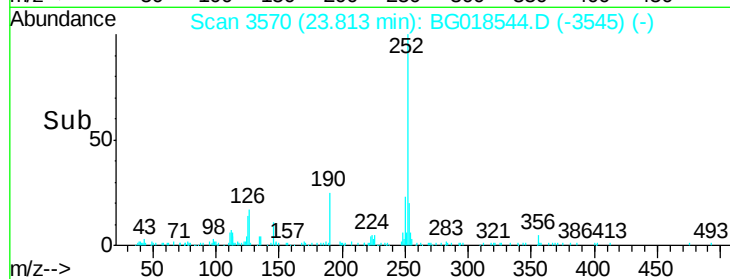
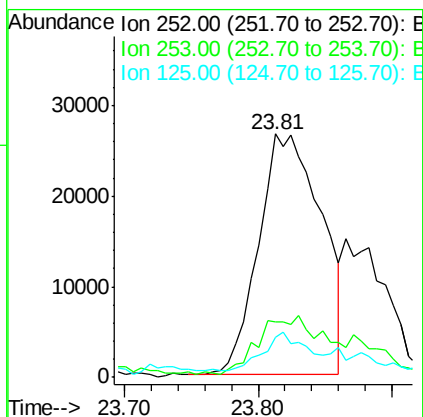
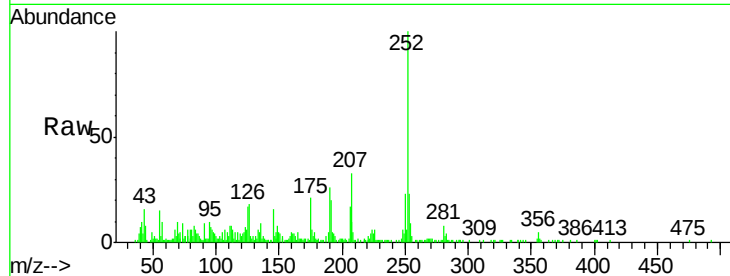
Instrument :

BNA_G

ClientSampleId :

BCTJ1MSD

Tgt Ion:	252	Resp:	86915
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	16.6	8.3	12.5#



#89

Benzo(k)fluoranthene

Concen: 2.01 ng/ul

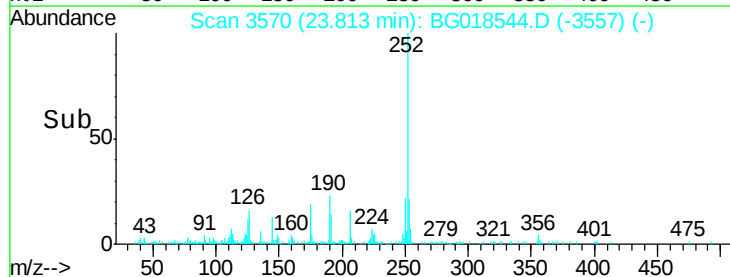
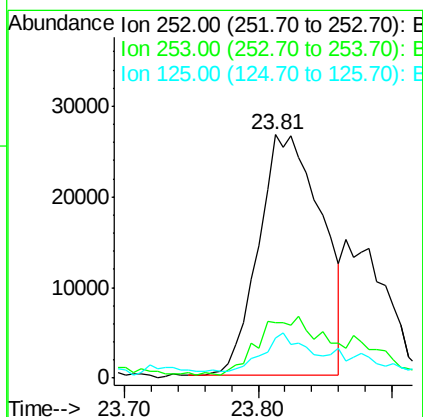
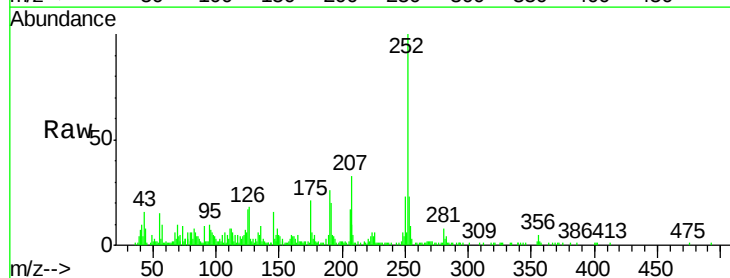
RT: 23.81 min Scan# 3570

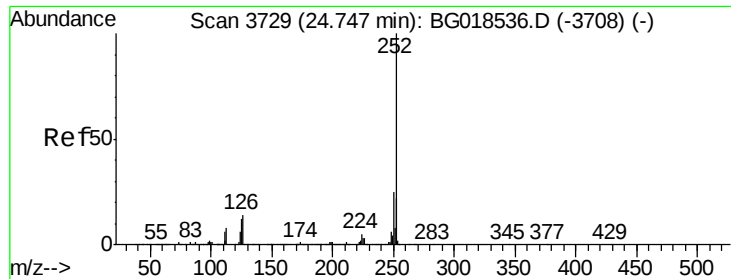
Delta R.T. -0.12 min

Lab File: BG018544.D

Acq: 29 Aug 2015 20:02

Tgt Ion:	252	Resp:	86915
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.6
125	16.6	9.0	13.4#





#91

Benzo(a)pyrene

Concen: 1.50 ng/ul

RT: 24.68 min Scan# 3718

Delta R.T. -0.06 min

Lab File: BG018544.D

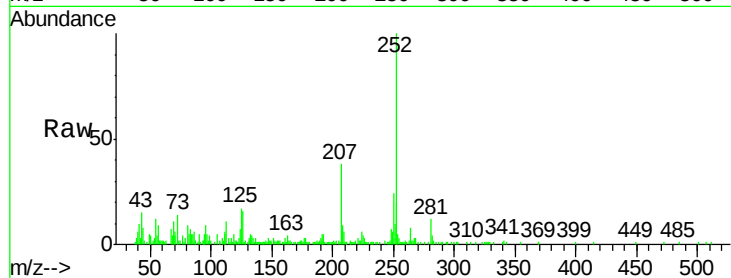
Acq: 29 Aug 2015 20:02

Instrument :

BNA_G

ClientSampleId :

BCTJ1MSD



Tgt Ion:	252	Resp:	63870
Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.7	26.5
125	17.3	10.2	15.2#

