

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
 Data File : BG042093.D
 Acq On : 9 Aug 2019 8:53
 Operator : HP/JU
 Sample : K4147-04MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AM5MSD

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:16:42 AM

Quant Time: Aug 10 22:03:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 09 16:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	78424	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	312413	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	219754	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	432592	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	459203	20.00	ng/ul	0.01
85) Perylene-d12	25.03	264	542261	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8665	4.83	ng/uL	0.00
5) Phenol-d5	7.18	99	190305	30.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	97948	28.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	178937	34.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	170531	33.00	ng/ul	0.01
19) Nitrobenzene-d5	9.20	128	93541m	39.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	111970	41.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	206886	37.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	244061	39.90	ng/ul	0.01
43) Dimethylphthalate-d6	14.10	166	568905	33.38	ng/ul	0.01
46) Acenaphthylene-d8	14.39	160	680359	34.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.92	143	90506	31.63	ng/ul	0.05
57) Fluorene-d10	15.69	176	572698	37.77	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.82	200	98316	35.42	ng/ul	0.02
70) Anthracene-d10	17.55	188	786589	37.90	ng/ul	0.01
78) Pyrene-d10	19.84	212	839262	32.75	ng/ul	0.01
89) Benzo(a)pyrene-d12	24.80	264	1036599	36.59	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	7.21	94	217051	34.166	ng/ul 96
10) 2-Chlorophenol	7.59	128	187447	35.144	ng/ul 98
11) 2-Methylphenol	8.48	108	8890	1.745	ng/ul 96
15) N-Nitroso-di-n-propylamine	8.84	70	133469	31.792	ng/ul 96
16) 4-Methylphenol	8.81	108	17435m	3.169	ng/ul
24) 2,4-Dimethylphenol	10.02	107	65806m	11.433	ng/ul
28) Naphthalene	10.90	128	355101	22.233	ng/ul 98
33) 4-Chloro-3-methylphenol	12.14	107	192325	35.710	ng/ul 98
34) 2-Methylnaphthalene	12.52	142	638279	50.280	ng/ul 99
40) 1,1'-Biphenyl	13.52	154	118495	7.416	ng/ul 96
44) Dimethylphthalate	14.15	163	97539	5.764	ng/ul# 68
47) Acenaphthylene	14.42	152	38494	1.959	ng/ul# 46
49) Acenaphthene	14.76	153	545357	39.692	ng/ul 97
52) 4-Nitrophenol	14.93	109	75552	35.627	ng/ul 95
53) Dibenzofuran	15.09	168	223077	10.879	ng/ul 94
54) 2,4-Dinitrotoluene	15.06	165	204481	38.207	ng/ul# 94
58) Fluorene	15.74	166	312834	18.940	ng/ul 99
68) Pentachlorophenol	17.11	266	152359	48.633	ng/ul 97
69) Phenanthrene	17.49	178	425972	17.987	ng/ul# 93
71) Anthracene	17.58	178	163331	6.800	ng/ul# 90
74) Carbazole	17.85	167	34311	1.724	ng/ul# 59
76) Fluoranthene	19.50	202	165806m	6.059	ng/ul
79) Pyrene	19.87	202	1245742	40.330	ng/ul 99

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Benzo(a)anthracene	21.72	228	68231	2.143	ng/ul#	64
84) Chrysene	21.78	228	60249	2.027	ng/ul#	62
90) Benzo(a)pyrene	24.87	252	39495	1.218	ng/ul#	64

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

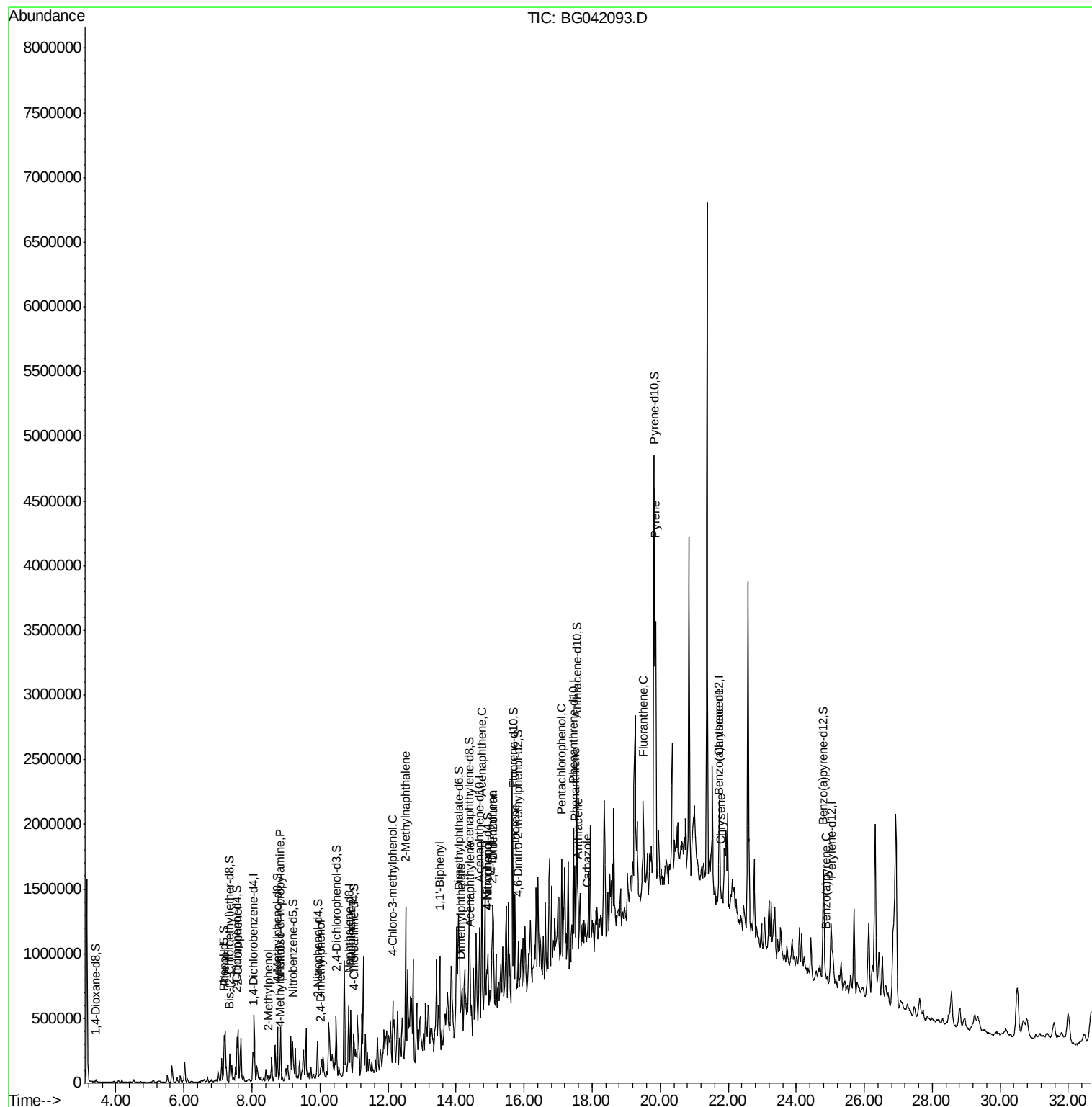
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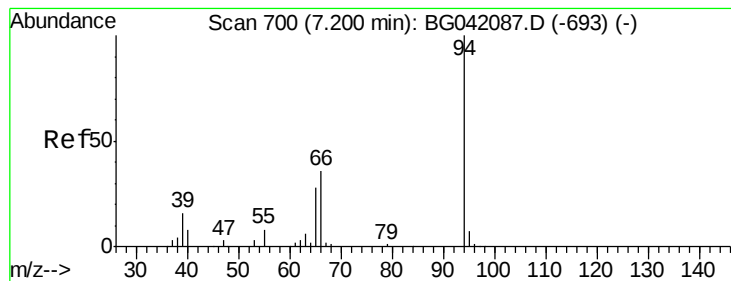
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#6

Phenol

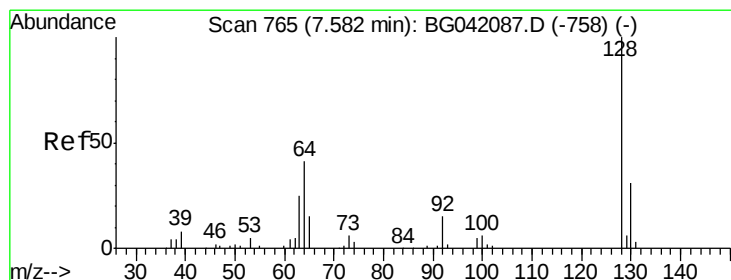
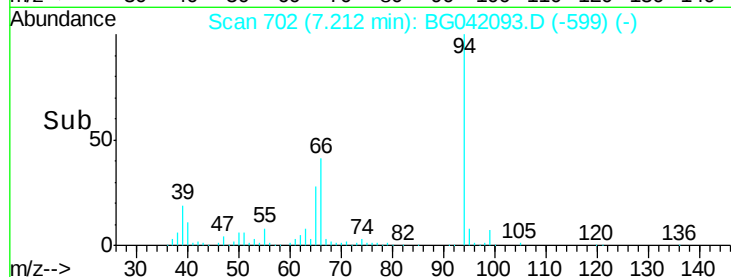
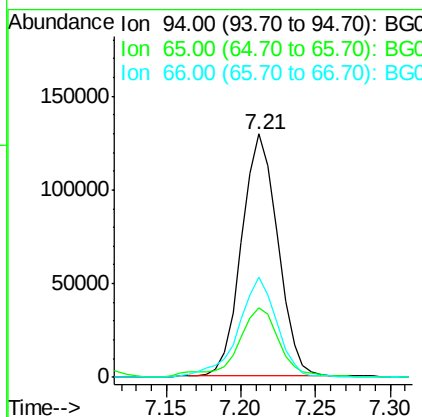
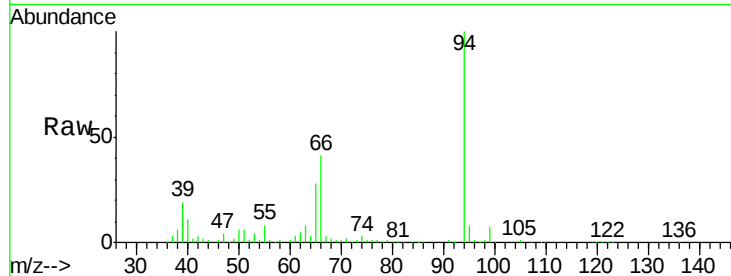
Concen: 34.166 ng/ul
 RT: 7.21 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: BG042093.D
 Acq: 9 Aug 2019 8:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AM5MSD

Tot Ion	Ratio	Lower	Upper
94	100		
65	28.5	25.8	38.6
66	41.0	31.8	47.8

Manual Integrations
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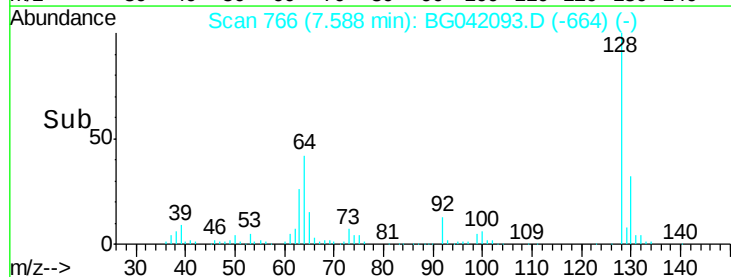
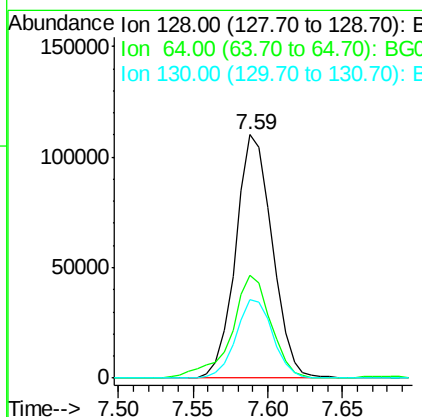
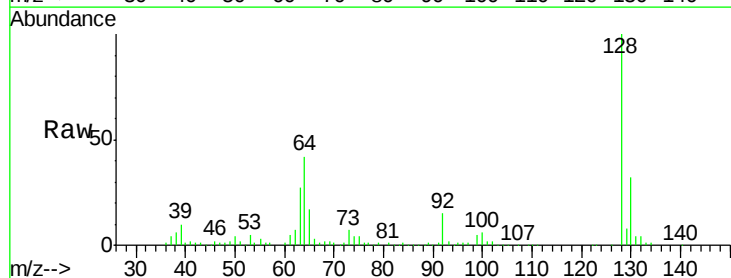


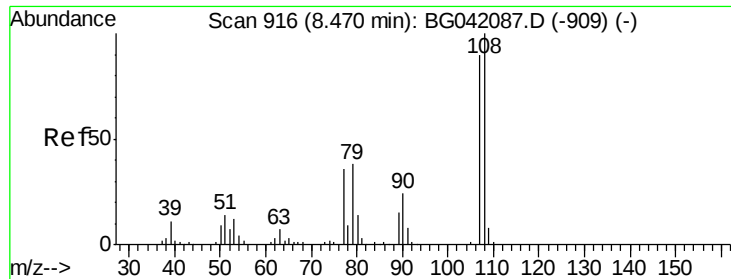
#10

2-Chlorophenol

Concen: 35.144 ng/ul
 RT: 7.59 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BG042093.D
 Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Lower	Upper
128	100		
64	42.4	35.5	53.3
130	32.3	26.2	39.4





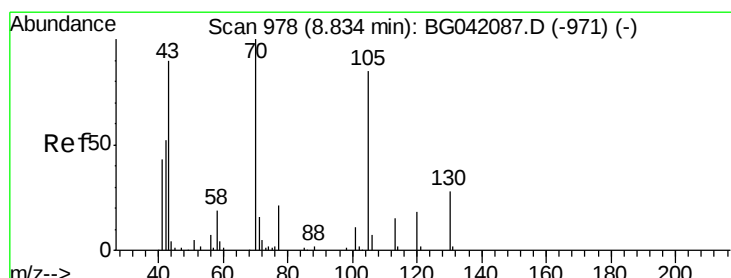
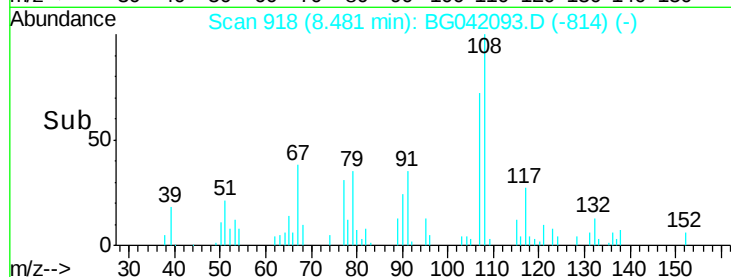
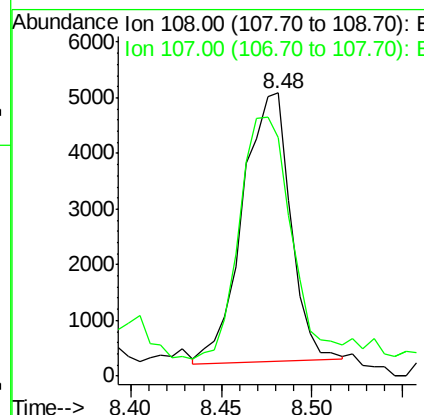
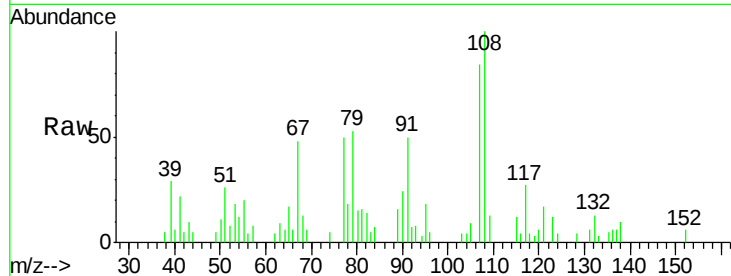
#11
2-Methylphenol
Concen: 1.745 ng/ul
RT: 8.48 min Scan# 918
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Instrument :
BNA_G
ClientSampleId :
C0AM5MSD

Tot Ion	Ratio	Lower	Upper
108	100		
107	84.1	69.9	104.9

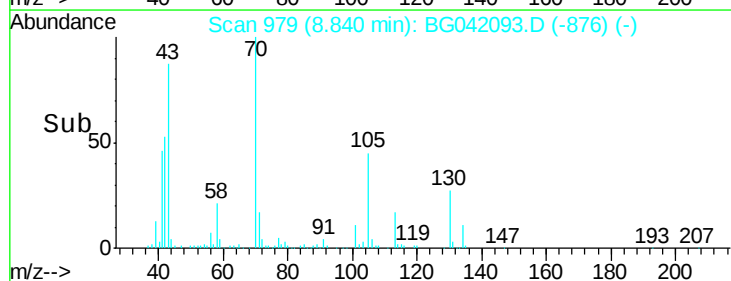
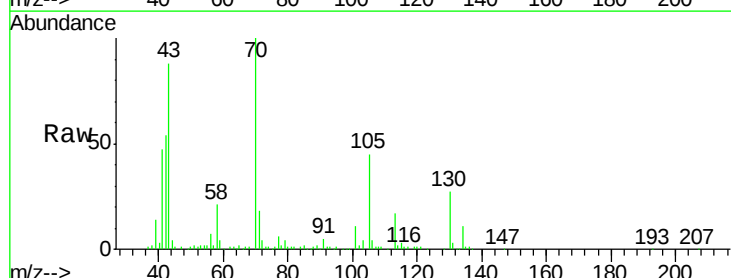
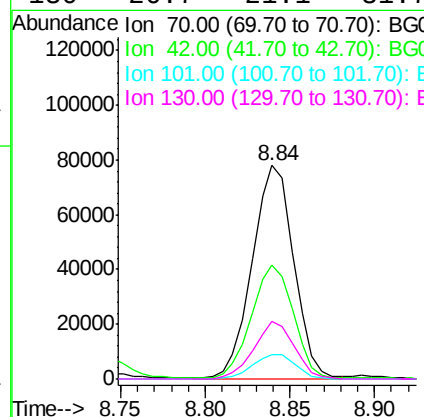
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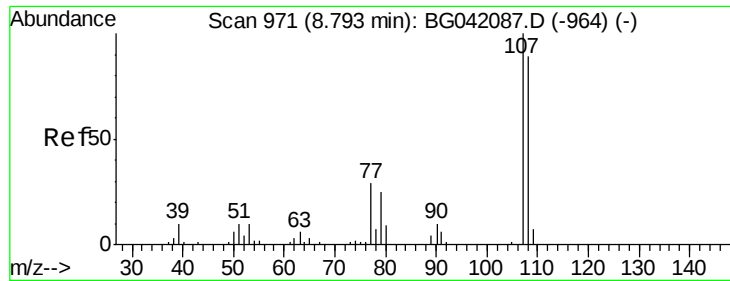
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#15
N-Nitroso-di-n-propylamine
Concen: 31.792 ng/ul
RT: 8.84 min Scan# 979
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Lower	Upper
70	100		
42	53.6	46.4	69.6
101	11.1	9.7	14.5
130	26.7	21.1	31.7





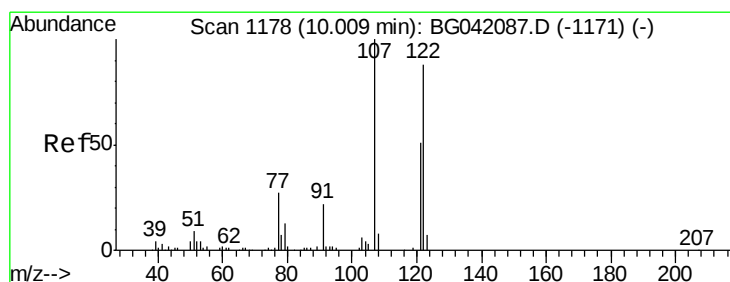
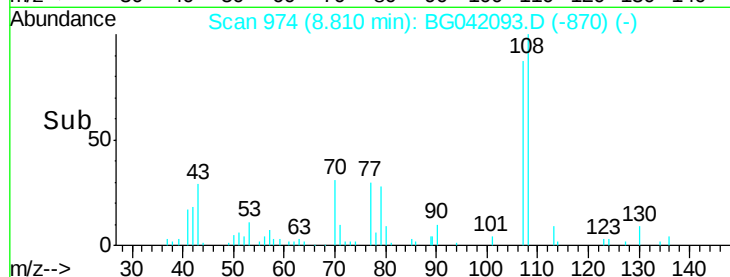
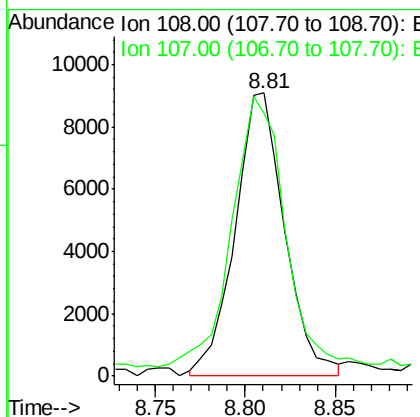
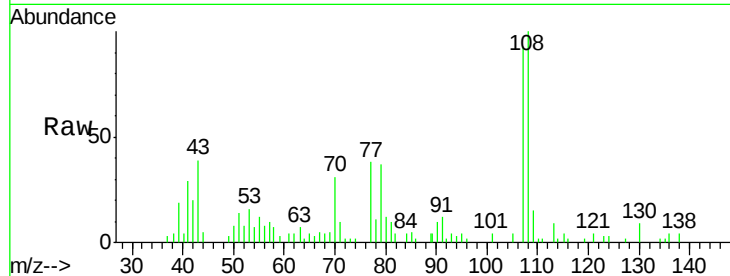
#16
4-Methylphenol
Concen: 3.169 ng/ul m
RT: 8.81 min Scan# 974
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Instrument :
BNA_G
ClientSampleId :
C0AM5MSD

Tot Ion:108 Resp: 17435
Ion Ratio Lower Upper
108 100
107 92.9 96.2 144.2#

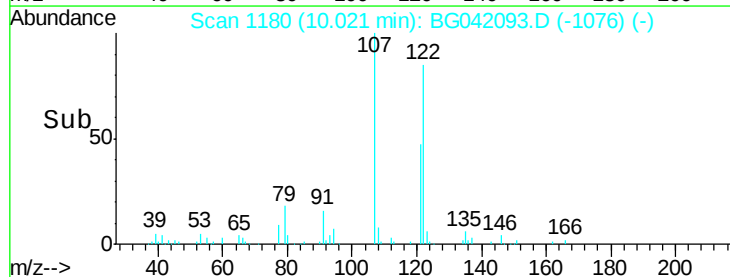
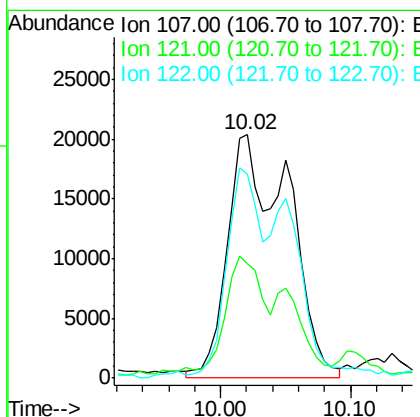
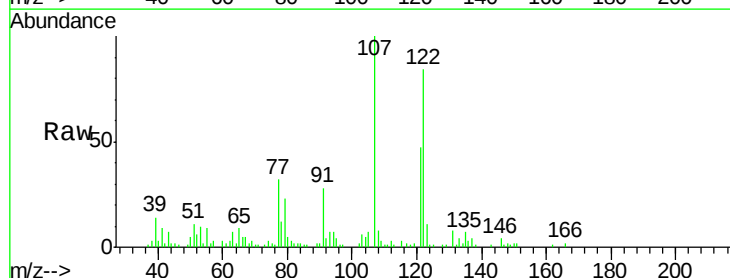
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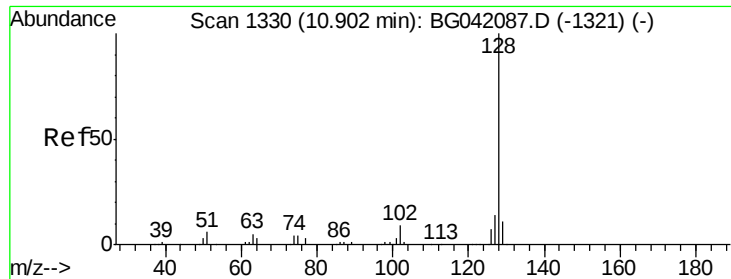
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#24
2,4-Dimethylphenol
Concen: 11.433 ng/ul m
RT: 10.02 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Tgt Ion:107 Resp: 65806
Ion Ratio Lower Upper
107 100
121 47.2 45.0 67.6
122 83.6 68.1 102.1





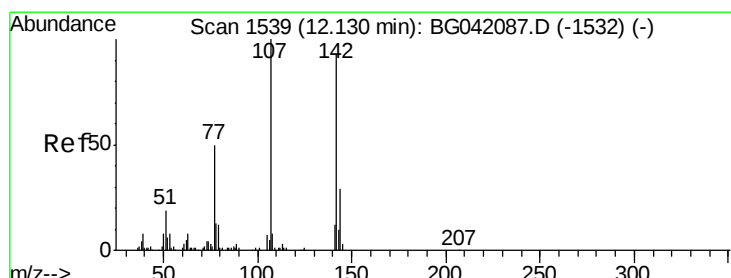
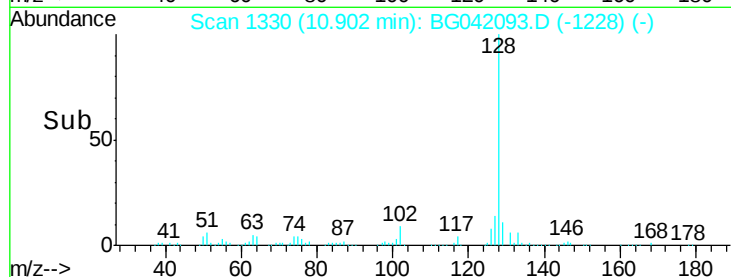
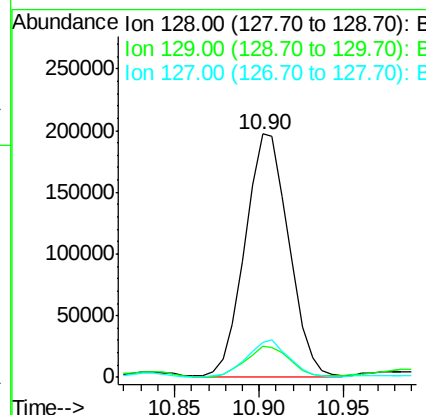
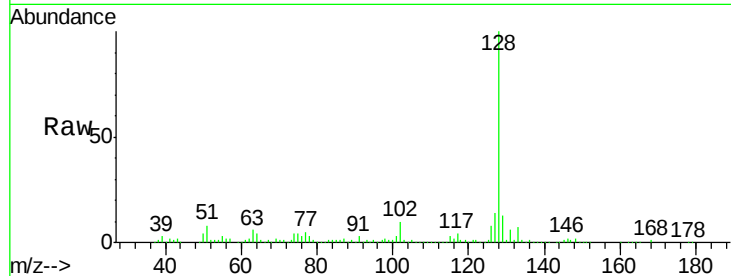
#28
Naphthalene
Concen: 22.233 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Instrument :
BNA_G
ClientSampleId :
C0AM5MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	355101		
129	13.0		9.5	14.3
127	14.4		11.4	17.0

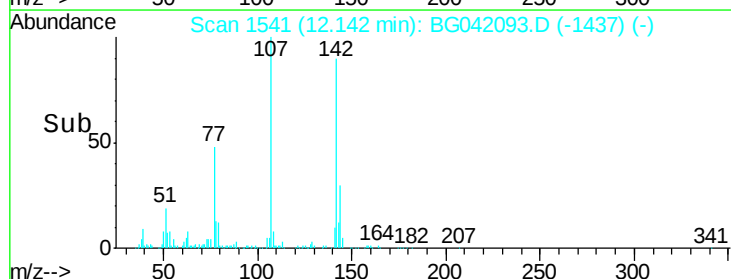
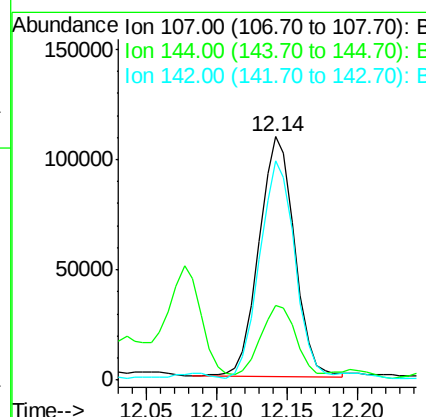
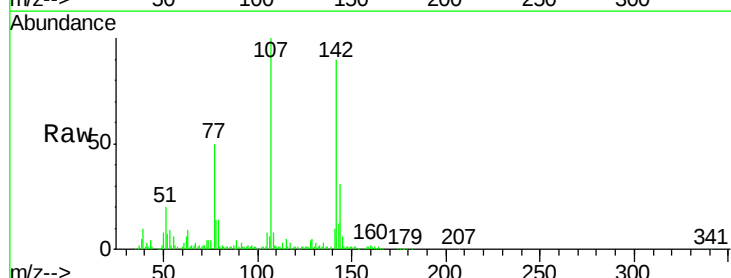
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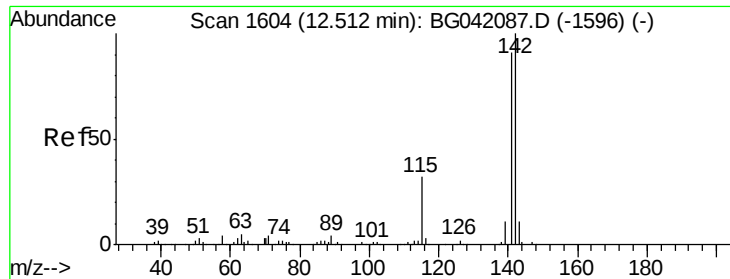
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#33
4-Chloro-3-methylphenol
Concen: 35.710 ng/ul
RT: 12.14 min Scan# 1541
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	192325		
144	30.9		23.0	34.6
142	90.0		71.0	106.6





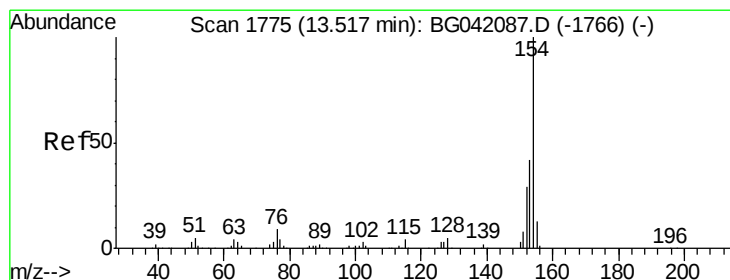
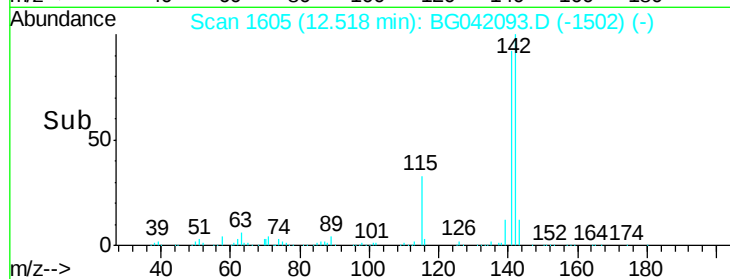
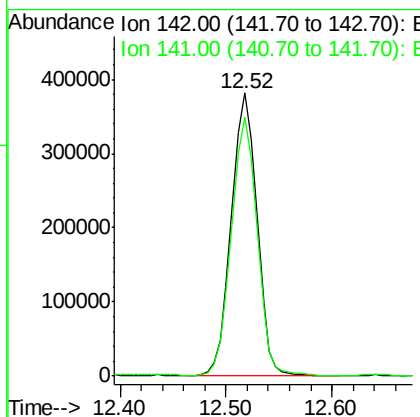
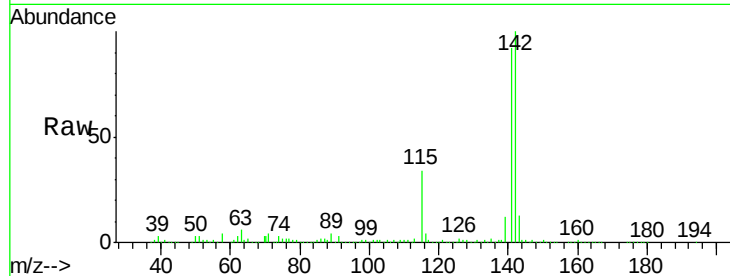
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 2-Methylnaphthalene
 Concen: 50.280 ng/ul
 RT: 12.52 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BG042093.D
 Acq: 9 Aug 2019 8:53

Instrument :
 BNA_G
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 C0AM5MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.9	109.3

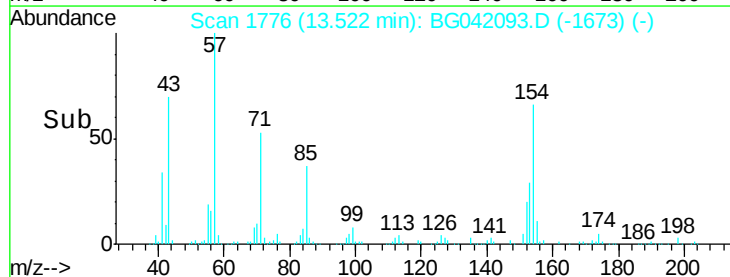
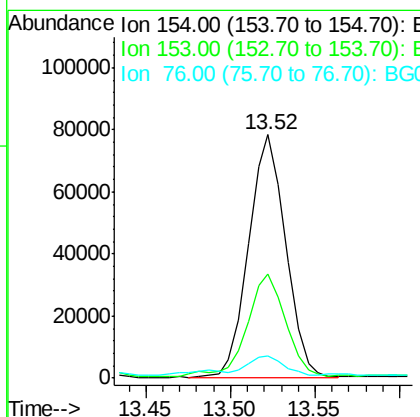
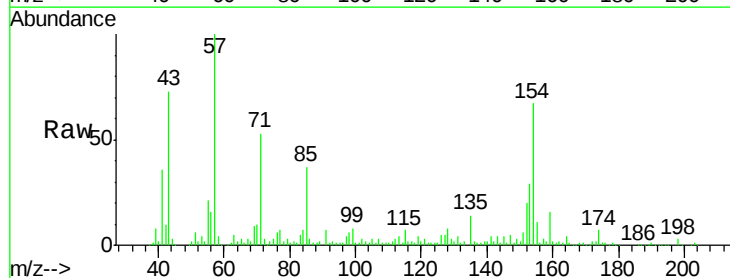
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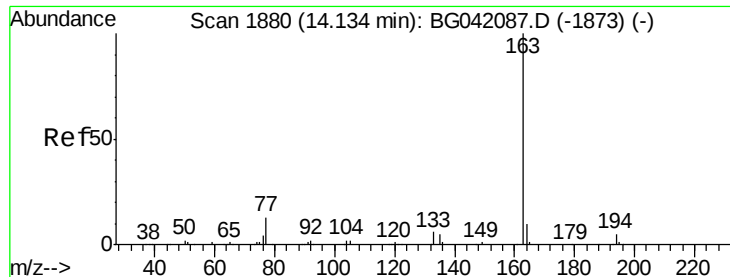
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#40
 1,1'-Biphenyl
 Concen: 7.416 ng/ul
 RT: 13.52 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BG042093.D
 Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	32.6	48.8
76	9.0	8.6	13.0





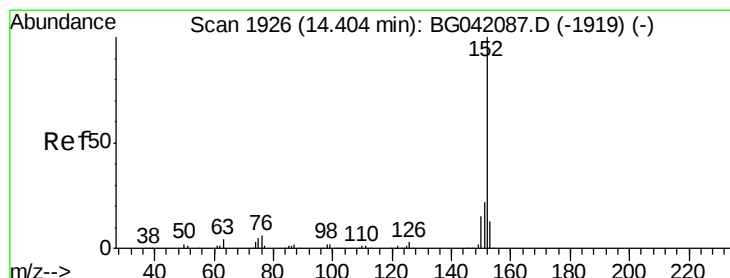
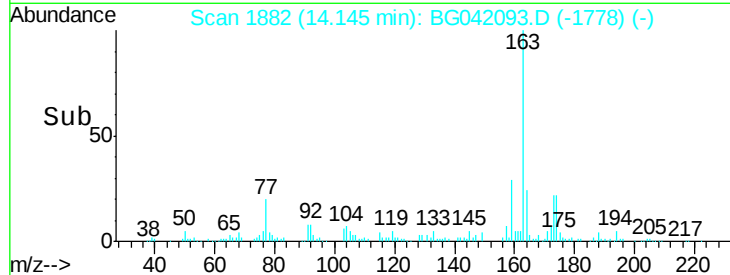
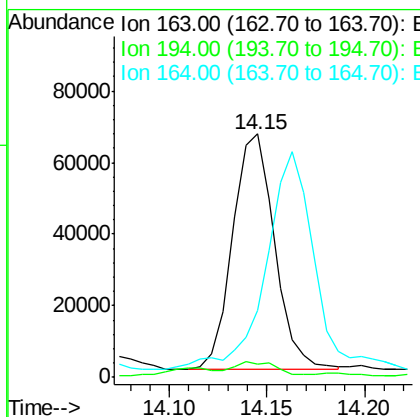
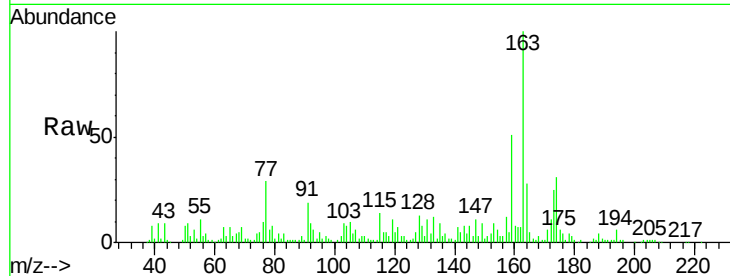
#44
Dimethylphthalate
Concen: 5.764 ng/ul
RT: 14.15 min Scan# 1882
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Instrument :
BNA_G
ClientSampleId :
C0AM5MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	97539		
194	5.6	4.2	6.2	
164	27.7	7.8	11.8#	

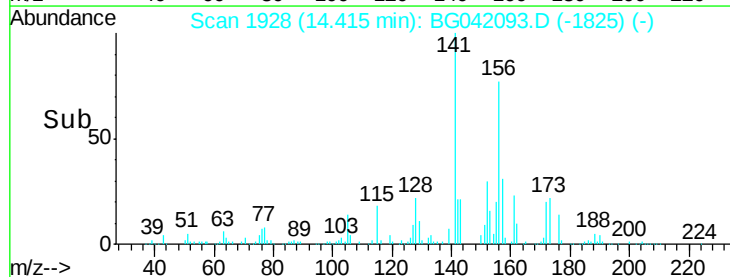
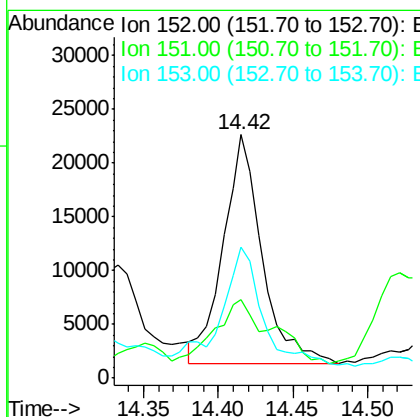
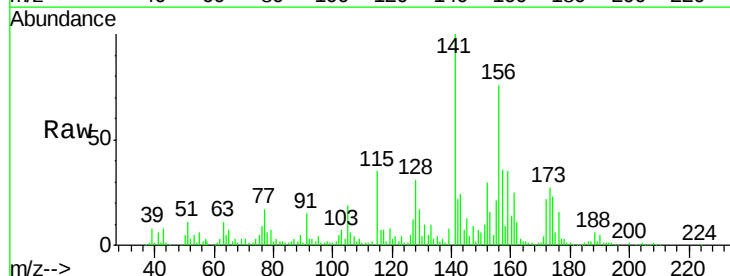
Manual Integrations
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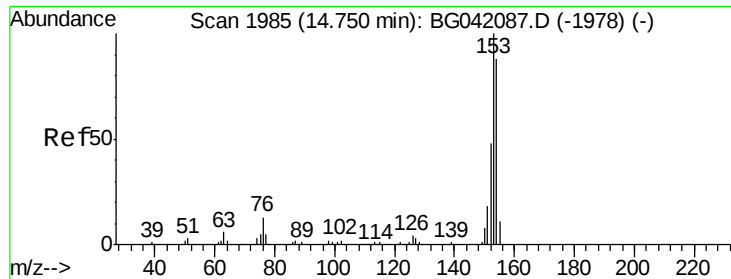
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#47
Acenaphthylene
Concen: 1.959 ng/ul
RT: 14.42 min Scan# 1928
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	38494		
151	32.1	16.8	25.2#	
153	53.8	10.3	15.5#	





#49

Acenaphthene

Concen: 39.692 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. 0.01 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Instrument :

BNA_G

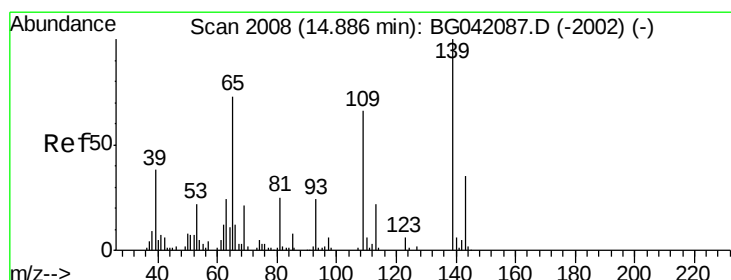
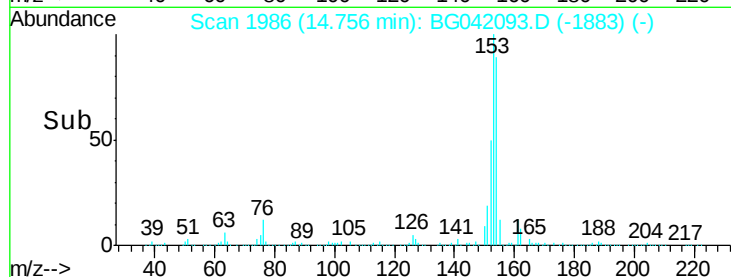
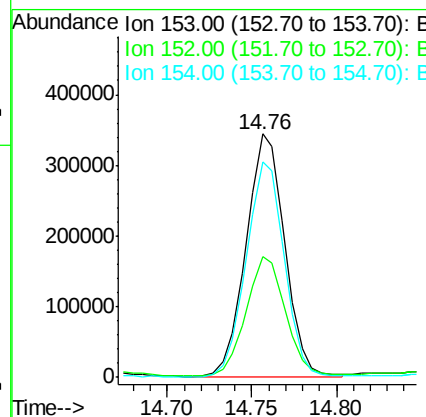
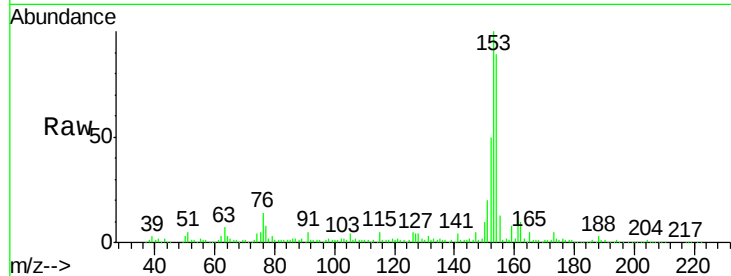
ClientSampleId :

C0AM5MSD

Tot Ion:	153	Resp:	545357
Ion Ratio		Lower	Upper
153	100		
152	49.8	37.8	56.8
154	88.6	69.4	104.2

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#52

4-Nitrophenol

Concen: 35.627 ng/ul

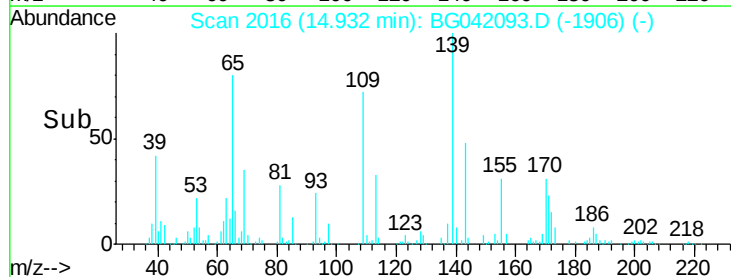
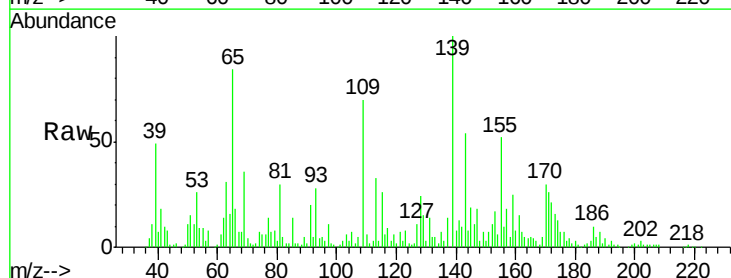
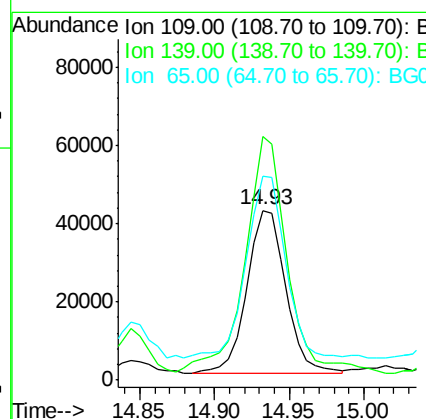
RT: 14.93 min Scan# 2016

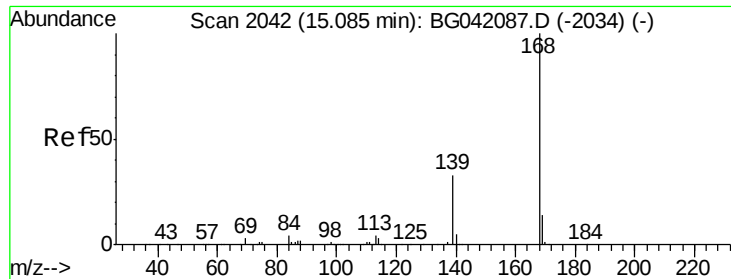
Delta R.T. 0.05 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Tgt Ion:	109	Resp:	75552
Ion Ratio		Lower	Upper
109	100		
139	143.5	111.8	167.6
65	120.4	103.6	155.4





#53

Dibenzenofuran

Concen: 10.879 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Instrument :

BNA_G

ClientSampleId :

C0AM5MSD

Tot Ion:168 Resp: 223077

Ion Ratio Lower Upper

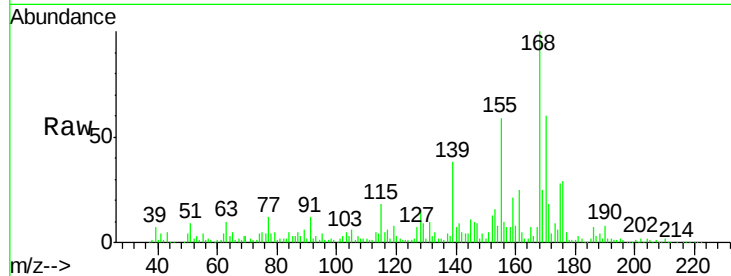
168 100

139 37.7 27.3 40.9

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

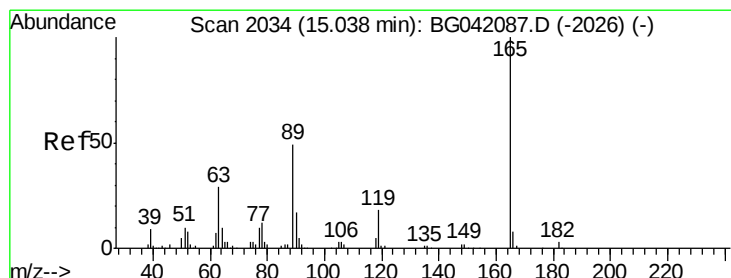
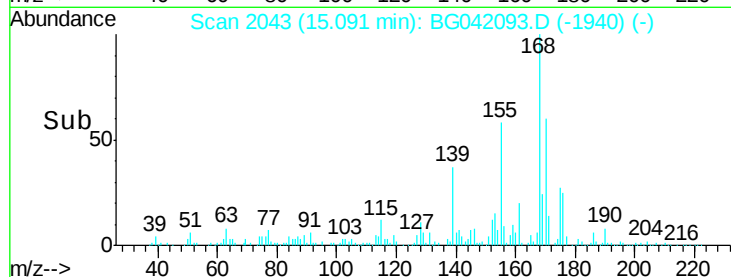
15.09

100000

50000

0

Time-->



#54

2,4-Dinitrotoluene

Concen: 38.207 ng/ul

RT: 15.06 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

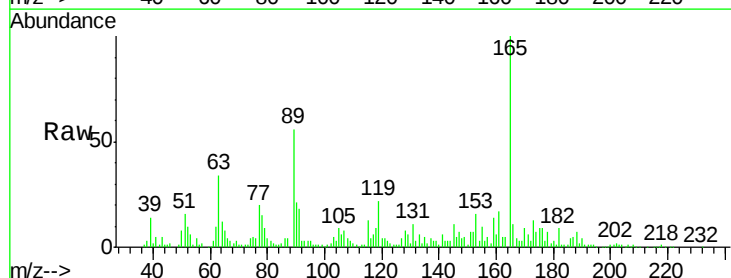
Tgt Ion:165 Resp: 204481

Ion Ratio Lower Upper

165 100

63 34.1 29.4 44.2

182 9.3 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E

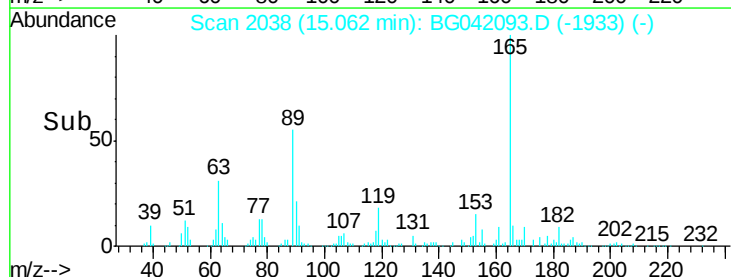
15.06

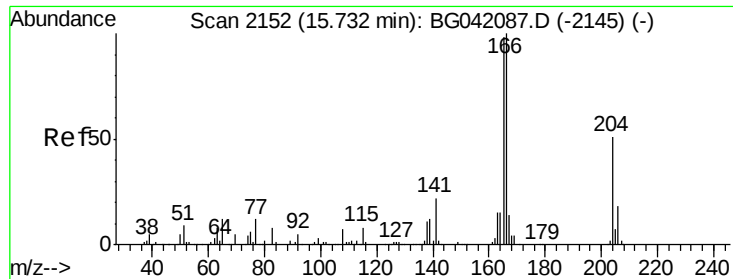
100000

50000

0

Time-->





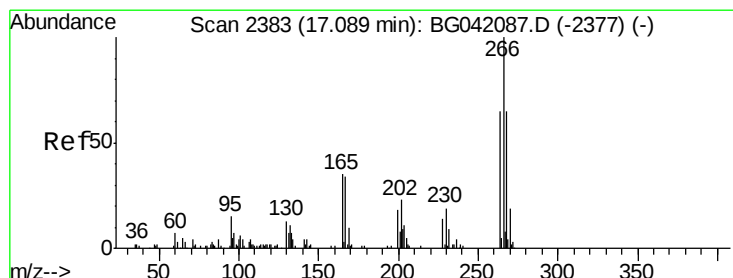
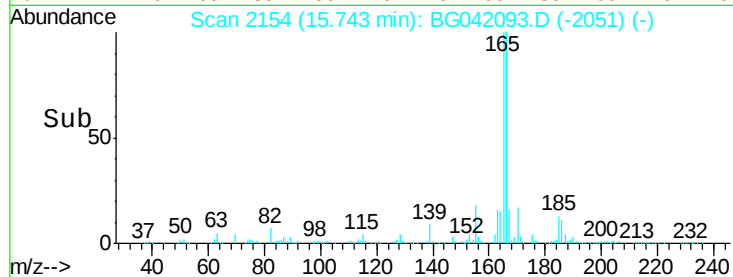
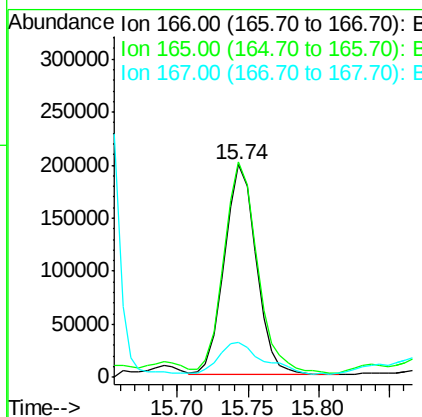
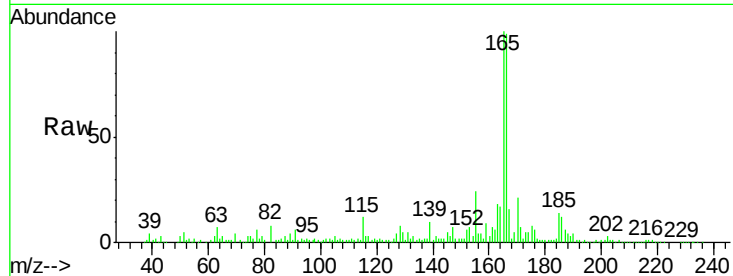
#58
Fluorene
 Concen: 18.940 ng/ul
 RT: 15.74 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: BG042093.D
 Acq: 9 Aug 2019 8:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AM5MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.1	121.7
167	16.3	11.0	16.4

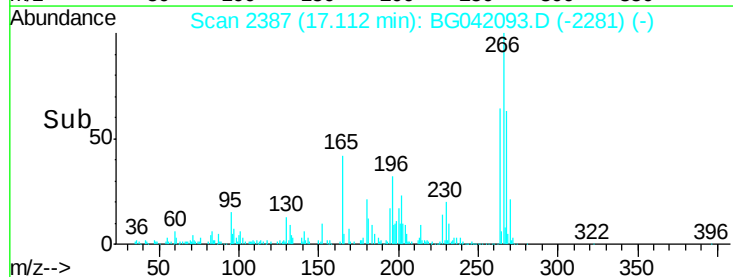
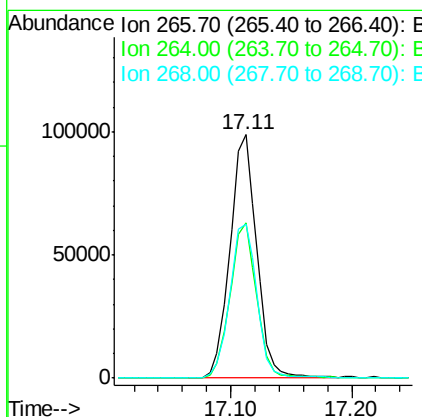
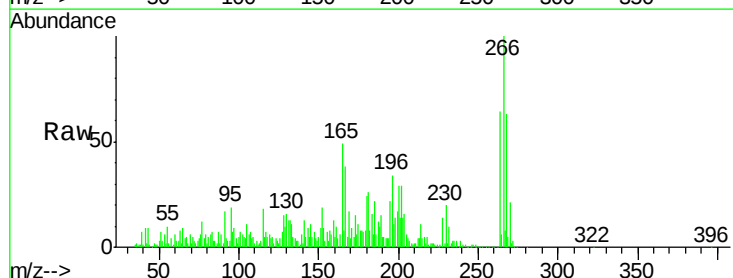
Manual Integrations
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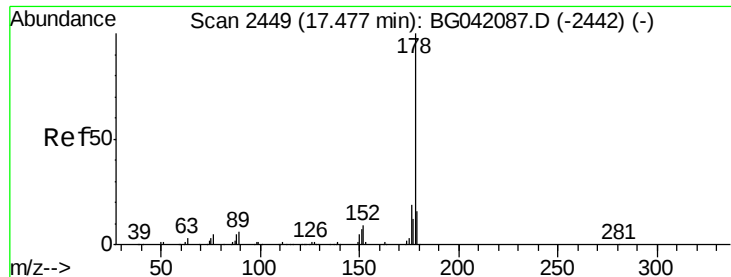
Sohil
 8/13/2019 8:16:42 AM



#68
Pentachlorophenol
 Concen: 48.633 ng/ul
 RT: 17.11 min Scan# 2387
 Delta R.T. 0.02 min
 Lab File: BG042093.D
 Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.9	52.3	78.5
268	63.4	53.2	79.8





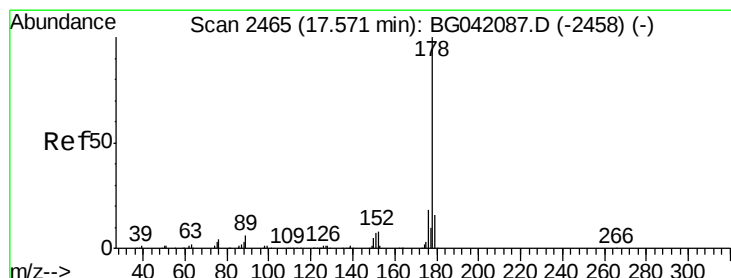
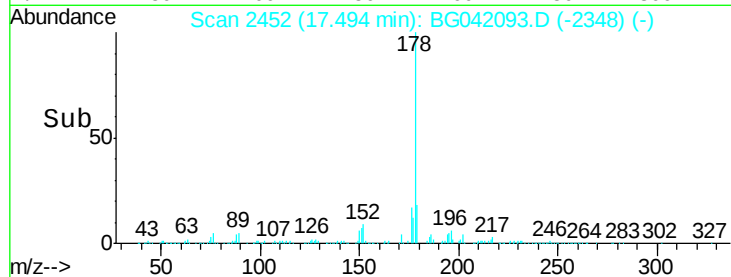
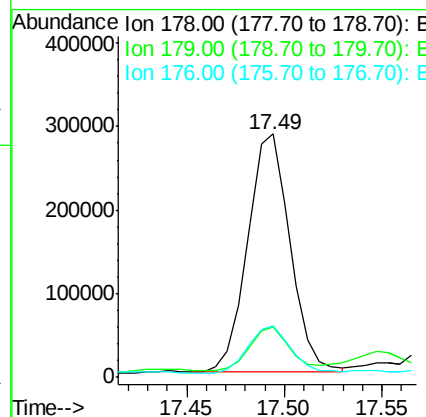
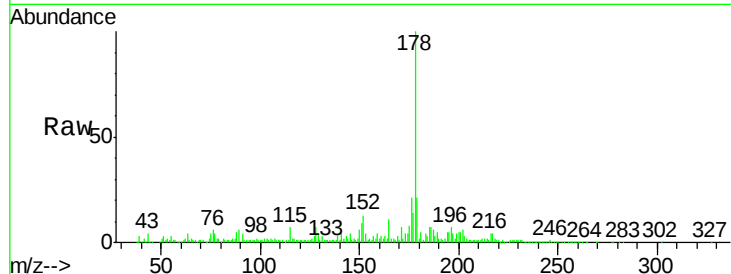
#69
Phenanthrene
Concen: 17.987 ng/ul
RT: 17.49 min Scan# 2452
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Instrument :
BNA_G
ClientSampleId :
C0AM5MSD

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.6	12.8	19.2#
176	21.2	15.4	23.2

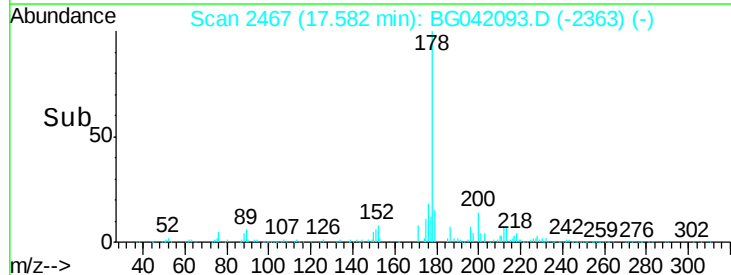
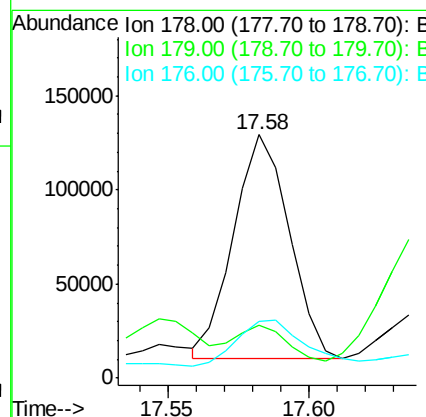
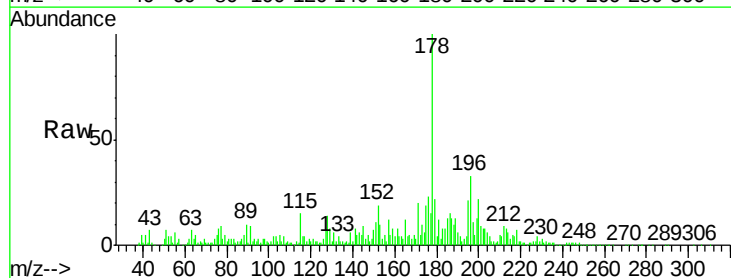
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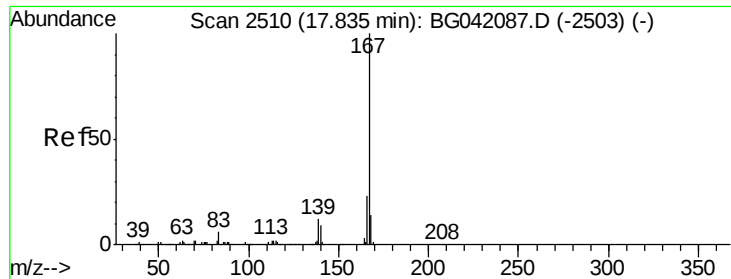
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#71
Anthracene
Concen: 6.800 ng/ul
RT: 17.58 min Scan# 2467
Delta R.T. 0.01 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.7	13.4	20.0#
176	23.2	15.4	23.2#





#74

Carbazole

Concen: 1.724 ng/ul

RT: 17.85 min Scan# 2513

Delta R.T. 0.02 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Instrument :

BNA_G

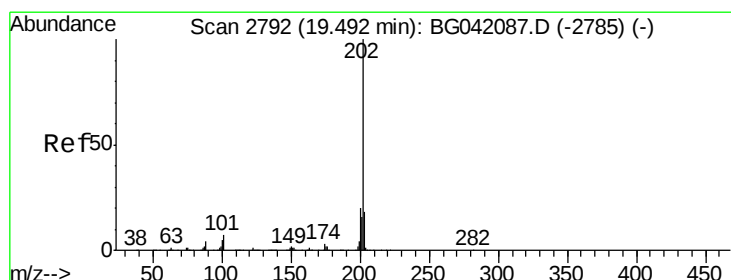
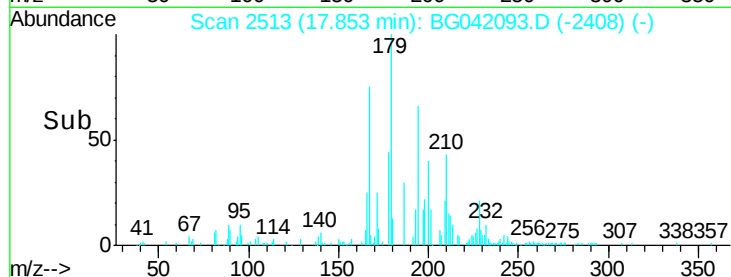
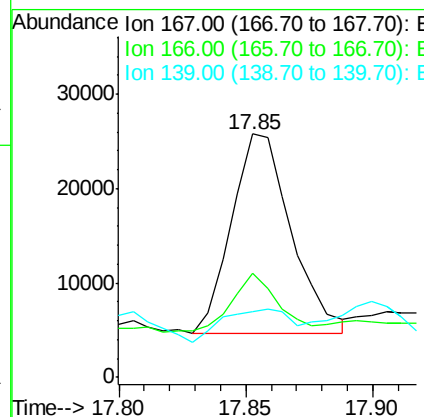
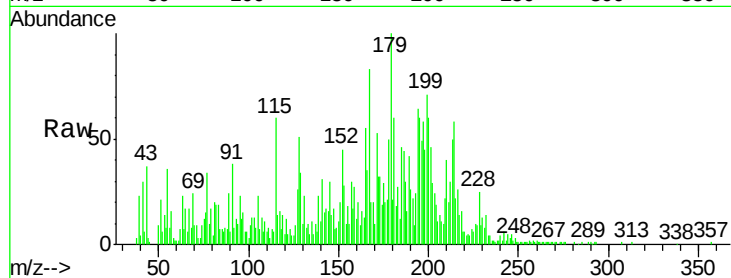
ClientSampleId :

C0AM5MSD

Tot Ion:	167	Resp:	34311
Ion Ratio	Lower	Upper	
167	100		
166	42.7	18.2	27.4#
139	27.2	9.6	14.4#

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#76

Fluoranthene

Concen: 6.059 ng/ul m

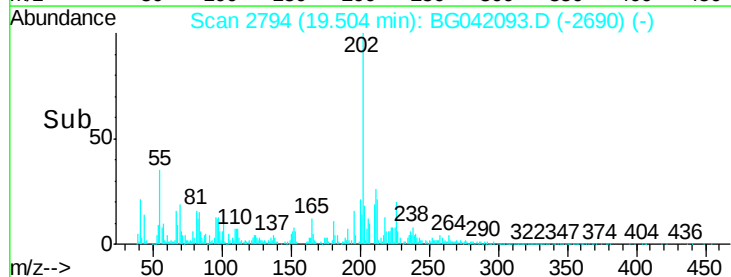
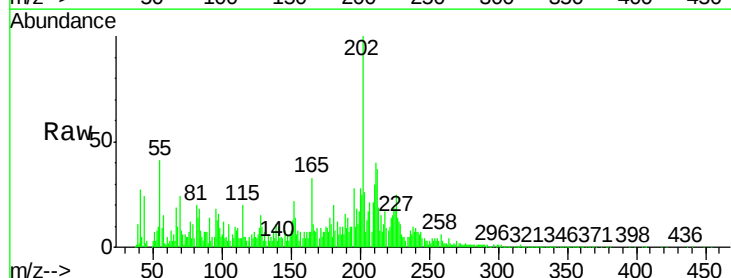
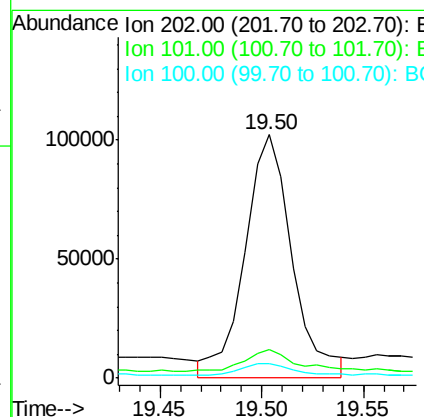
RT: 19.50 min Scan# 2794

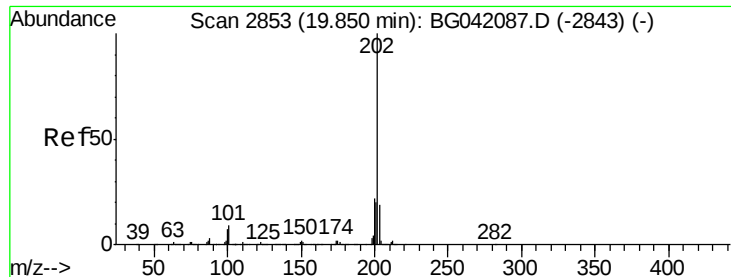
Delta R.T. 0.01 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Tgt Ion:	202	Resp:	165806
Ion Ratio	Lower	Upper	
202	100		
101	12.0	6.7	10.1#
100	5.9	5.3	7.9





#79

Pvrene

Concen: 40.330 ng/ul

RT: 19.87 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Instrument :

BNA_G

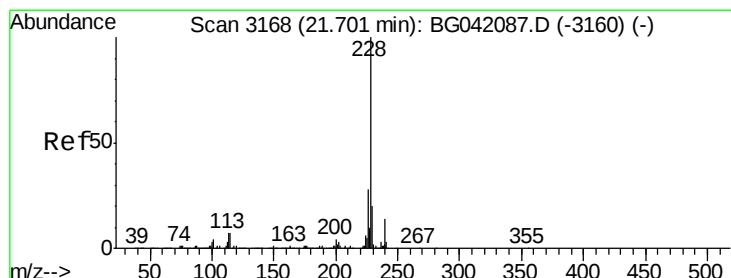
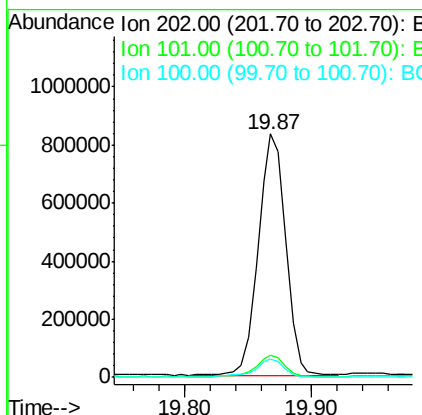
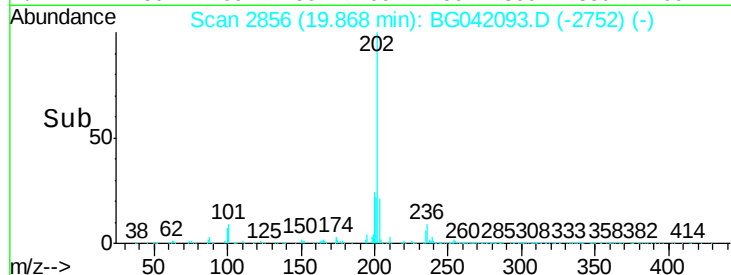
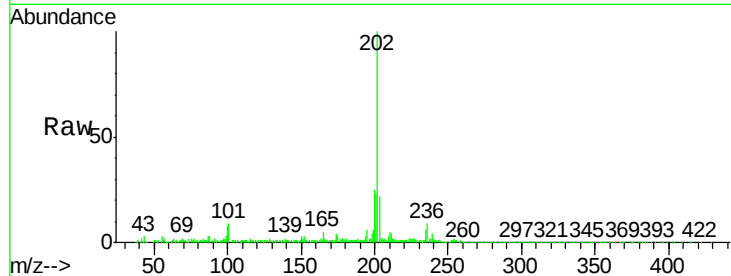
ClientSampled :

C0AM5MSD

Tot Ion:	202	Resp:	1245742
Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.6	11.4
100	7.8	6.5	9.7

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#82

Benzo(a)anthracene

Concen: 2.143 ng/ul

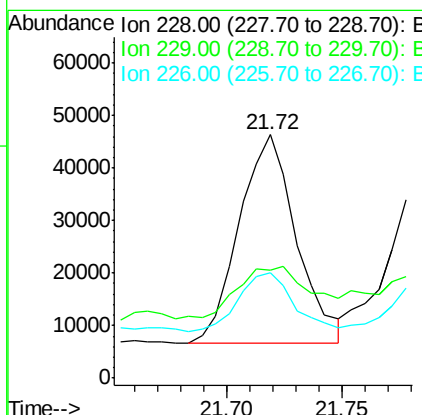
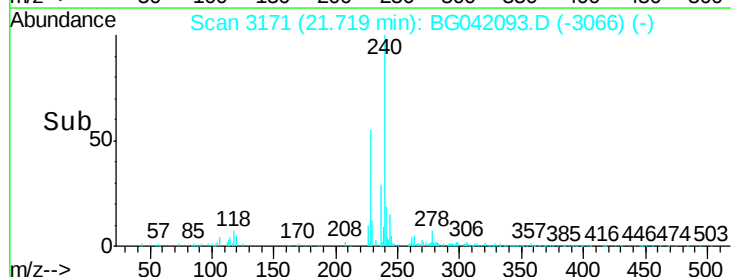
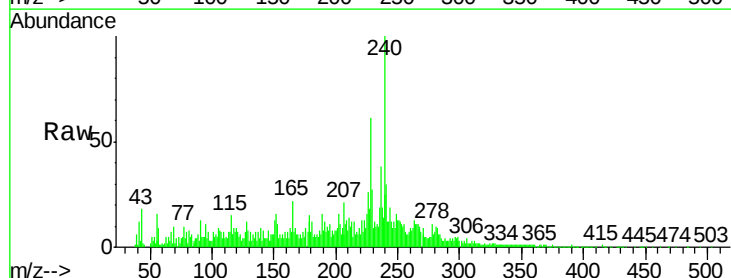
RT: 21.72 min Scan# 3171

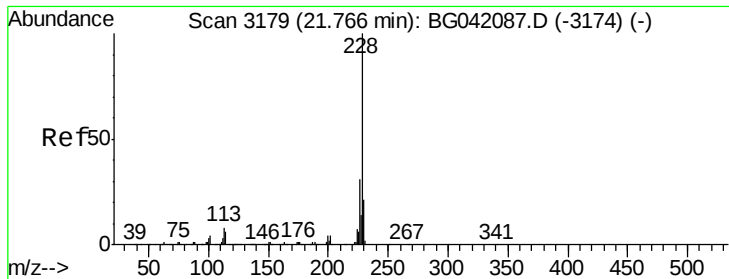
Delta R.T. 0.02 min

Lab File: BG042093.D

Acq: 9 Aug 2019 8:53

Tgt Ion:	228	Resp:	68231
Ion	Ratio	Lower	Upper
228	100		
229	44.5	17.0	25.6#
226	43.1	23.3	34.9#





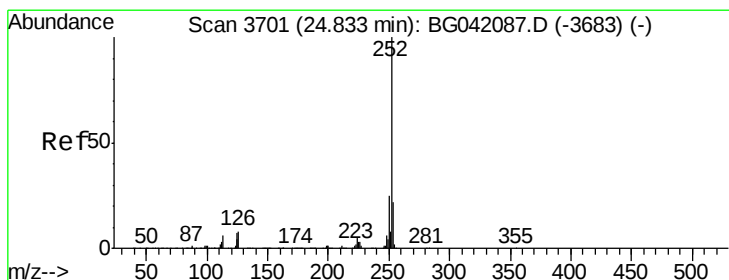
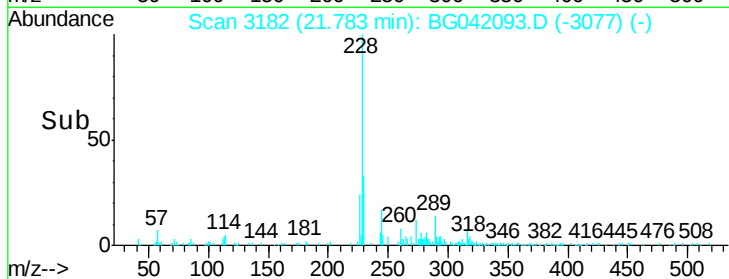
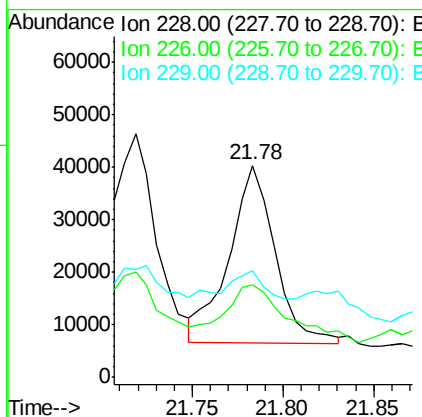
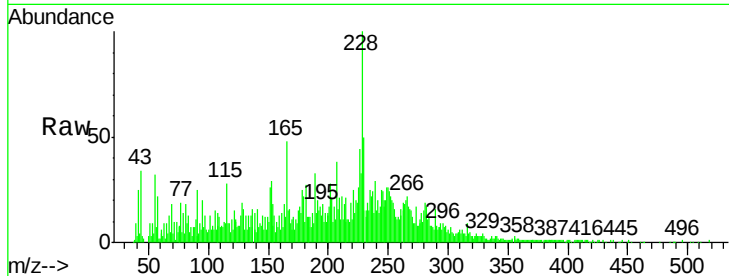
#84
Chrysene
Concen: 2.027 ng/ul
RT: 21.78 min Scan# 3182
Delta R.T. 0.02 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Instrument :
BNA_G
ClientSampled :
C0AM5MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.7	25.7	38.5#
229	50.3	16.6	24.8#

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#90
Benzo(a)pyrene
Concen: 1.218 ng/ul
RT: 24.87 min Scan# 3707
Delta R.T. 0.03 min
Lab File: BG042093.D
Acq: 9 Aug 2019 8:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.9	18.3	27.5#
125	15.9	6.5	9.7#

