

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
 Data File : BG045244.D
 Acq On : 4 May 2020 21:54
 Operator : CG/JU
 Sample : L2376-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: May 05 01:28:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	116522	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	459014	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	321228	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	646902	20.00	ng	0.00
76) Chrysene-d12	21.65	240	542655	20.00	ng	0.00
87) Perylene-d12	24.83	264	605573	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	118692	16.82	ng	0.00
7) Phenol-d6	7.16	99	188295	17.96	ng	0.00
23) Nitrobenzene-d5	9.15	82	129516	12.87	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	87162	17.56	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	322446	14.72	ng	0.00
79) Terphenyl-d14	19.99	244	443678	17.82	ng	0.00

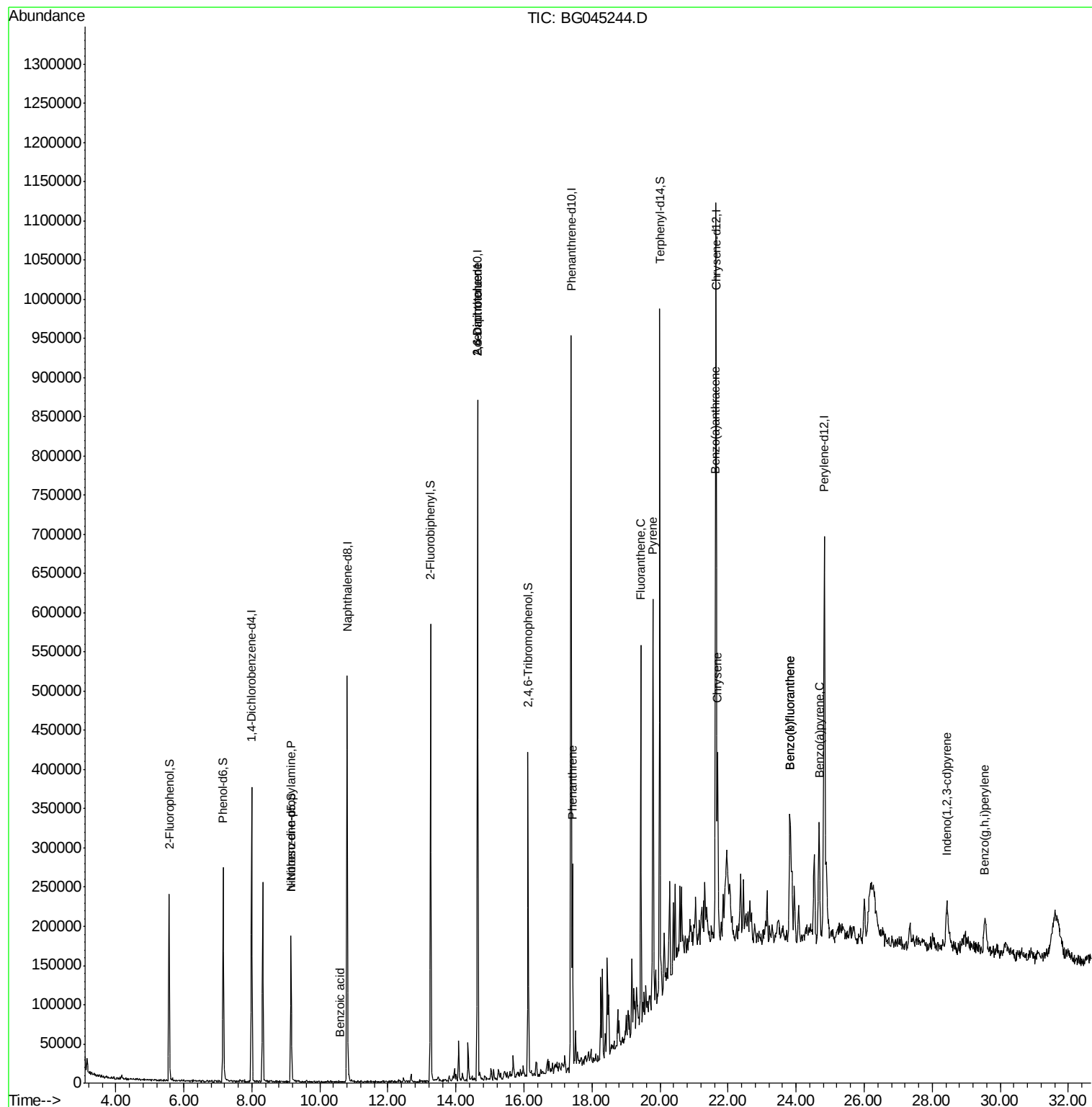
Target Compounds				Qvalue		
9) Benzaldehyde	7.10	77	99	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	17160	2.314 ng	#	81
32) Benzoic acid	10.61	122	65	6.384 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	41482	7.091 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	41482	4.852 ng	#	23
69) Atrazine	16.95	200	79	Below Cal	#	26
71) Phenanthrene	17.42	178	167042	5.025 ng		99
74) Di-n-butylphthalate	18.34	149	1945	Below Cal	#	64
75) Fluoranthene	19.43	202	311939	2.101 ng		96
77) Benzidine	19.62	184	343	Below Cal	#	1
78) Pyrene	19.79	202	335961	8.980 ng		96
81) Benzo(a)anthracene	21.62	228	181698	5.166 ng		97
83) Chrysene	21.70	228	172123	5.093 ng		95
86) Indeno(1,2,3-cd)pyrene	28.43	276	114665	2.556 ng		94
88) Benzo(b)fluoranthene	23.83	252	214895	5.665 ng		97
89) Benzo(k)fluoranthene	23.83	252	214895	5.957 ng		97
90) Benzo(a)pyrene	24.67	252	187828	5.244 ng		96
92) Benzo(g,h,i)perylene	29.54	276	110143	3.044 ng	#	95

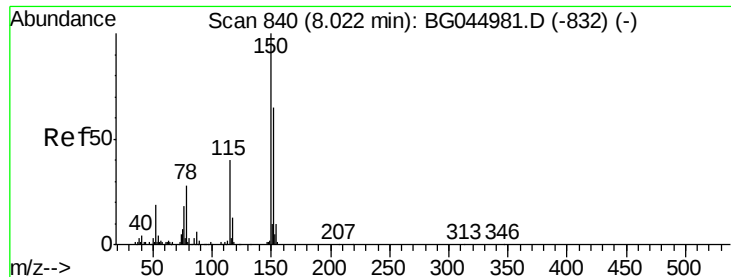
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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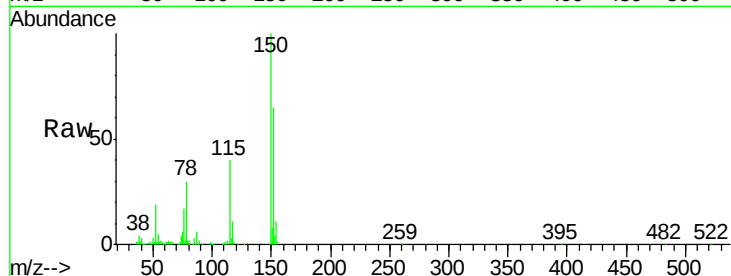


#1

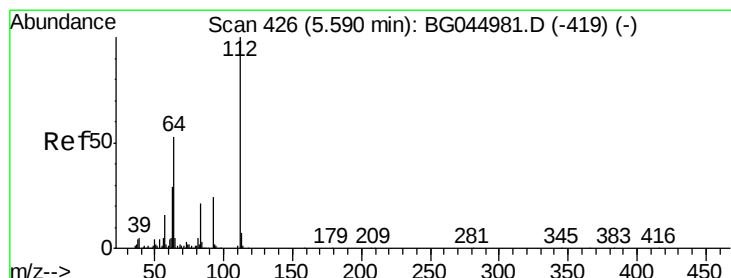
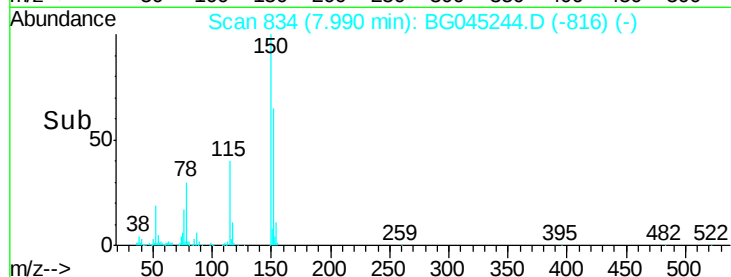
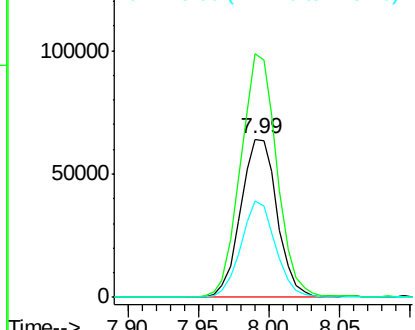
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
ClientSampleId :
TP-3

Tot Ion:152 Resp: 116522
Ion Ratio Lower Upper
152 100
150 153.7 123.6 185.4
115 61.0 49.1 73.7



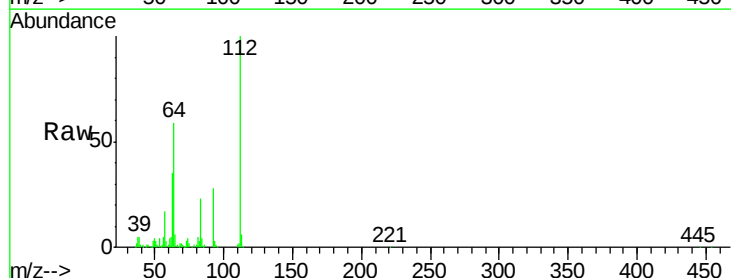
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



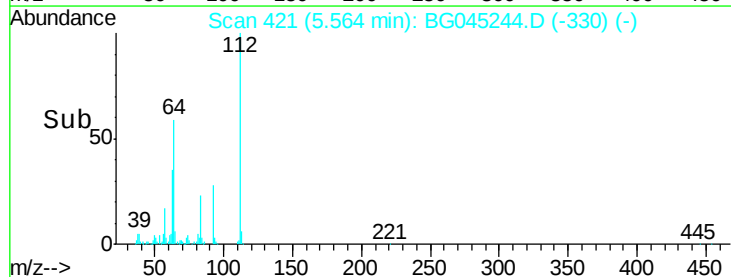
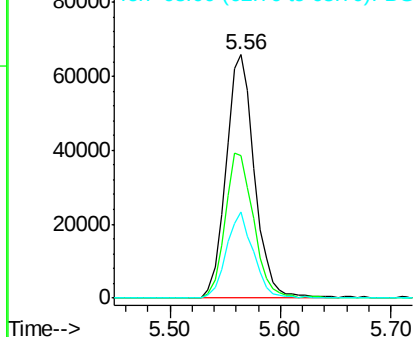
#5

2-Fluorophenol
Concen: 16.817 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion:112 Resp: 118692
Ion Ratio Lower Upper
112 100
64 58.5 42.4 63.6
63 35.1 23.1 34.7#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 17.956 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

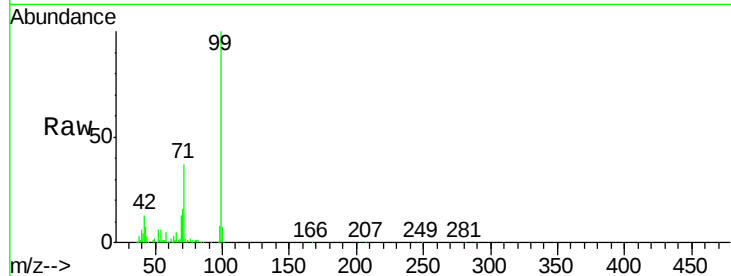
Tot Ion: 99 Resp: 188295

Ion Ratio Lower Upper

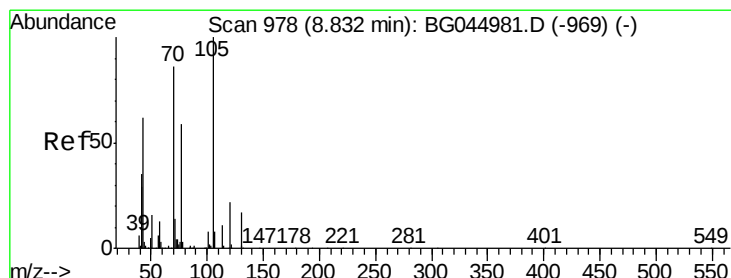
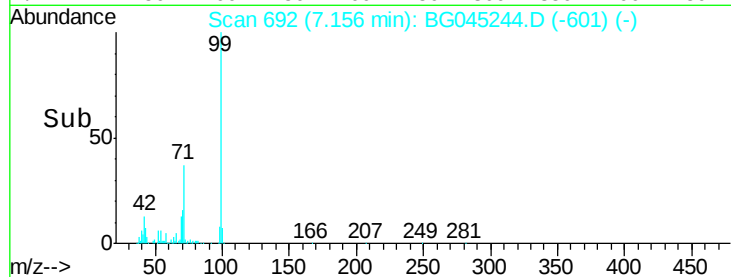
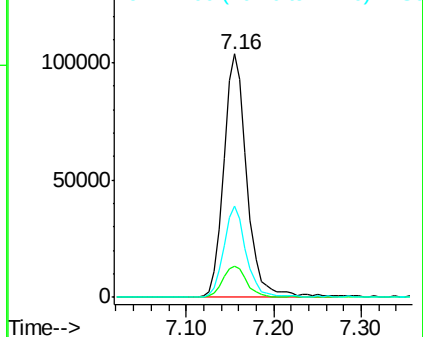
99 100

42 13.0 11.3 16.9

71 37.4 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 2.314 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Tgt Ion: 70 Resp: 17160

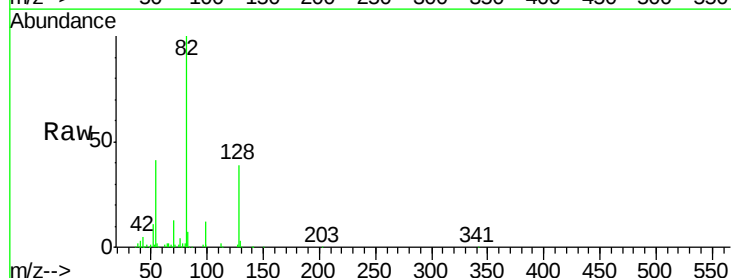
Ion Ratio Lower Upper

70 100

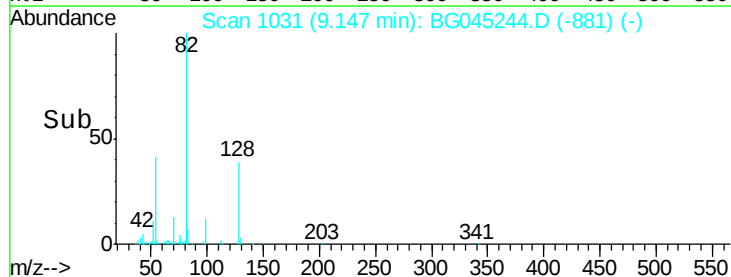
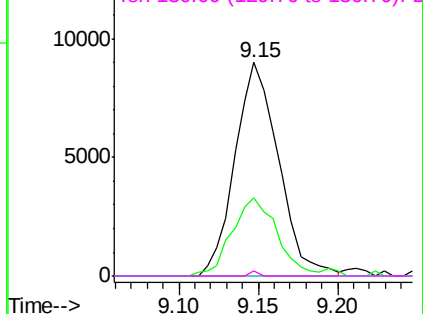
42 36.7 33.3 49.9

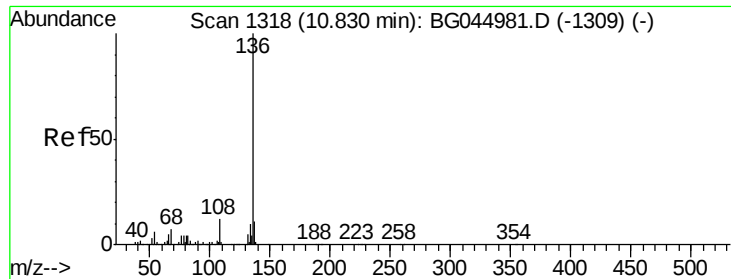
101 0.0 7.8 11.8#

130 2.1 15.8 23.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

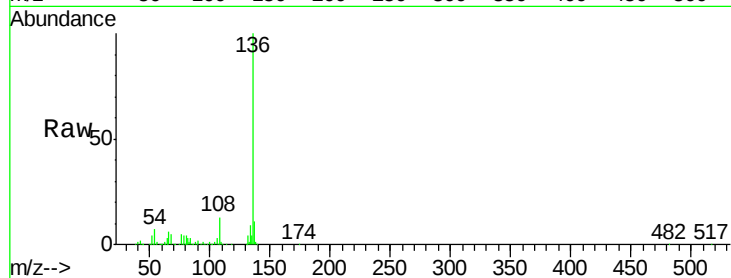




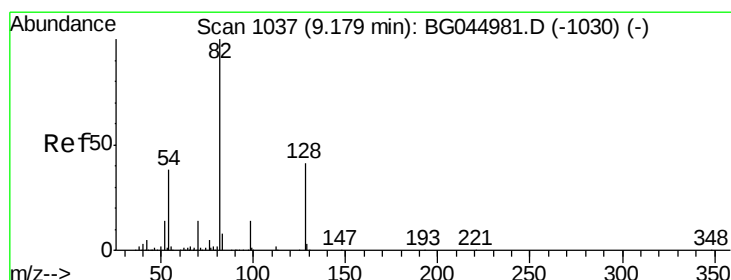
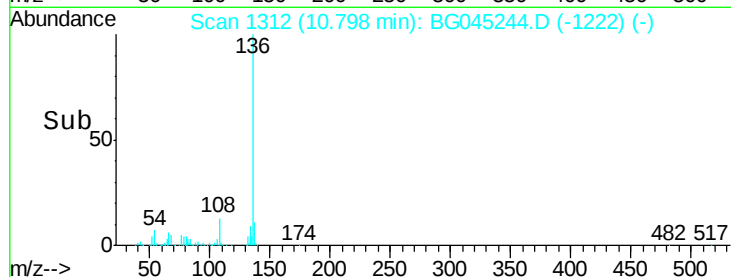
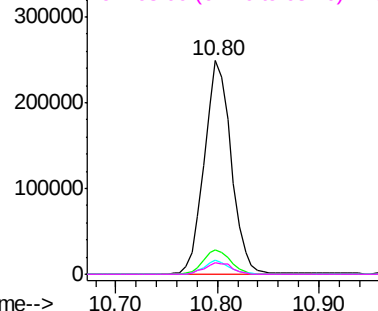
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Instrument :
BNA_G
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Tot Ion:136	Resp:	459014
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.6 13.0
54	6.5	4.8 7.2
68	5.1	5.2 7.8#

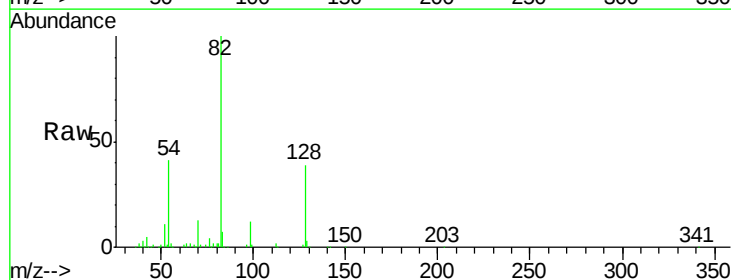


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

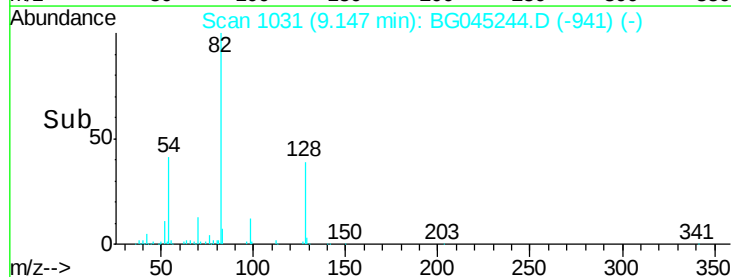
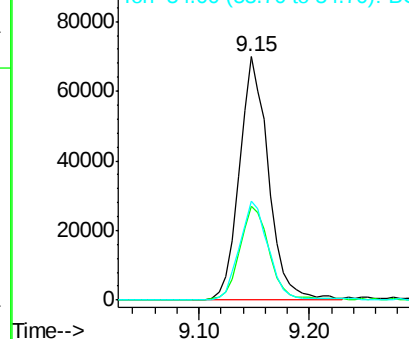


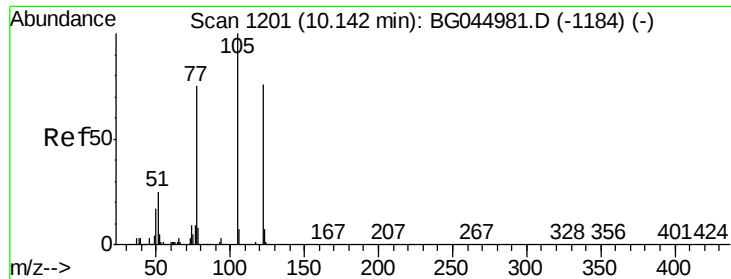
#23
Nitrobenzene-d5
Concen: 12.875 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion: 82	Resp:	129516
Ion	Ratio	Lower Upper
82	100	
128	38.5	33.0 49.4
54	40.7	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

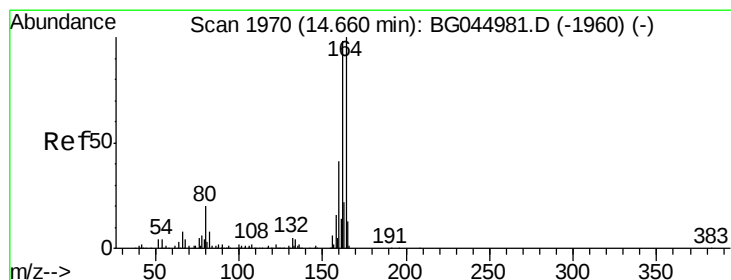
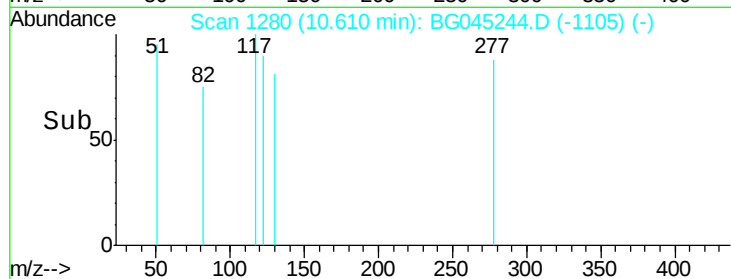
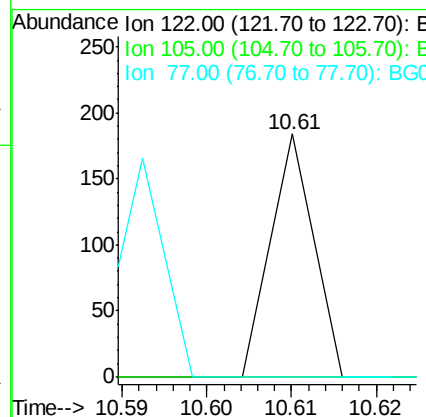
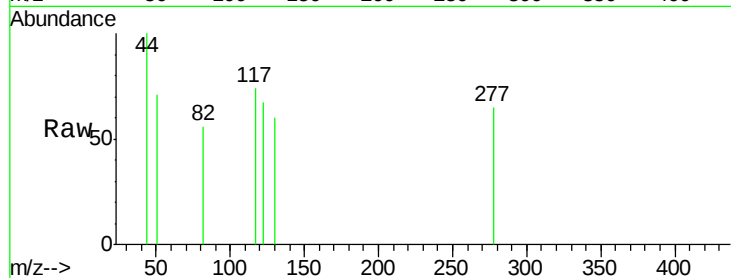




#32
Benzoic acid
Concen: 6.384 ng
RT: 10.61 min Scan# 1280
Delta R.T. 0.50 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

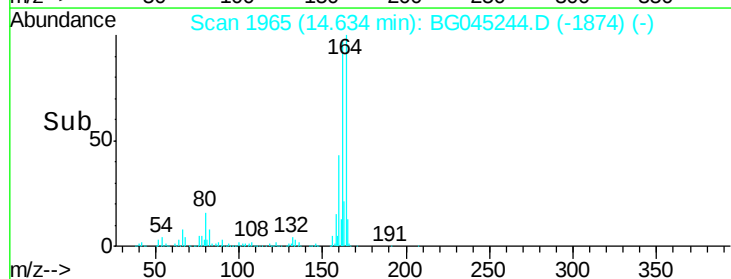
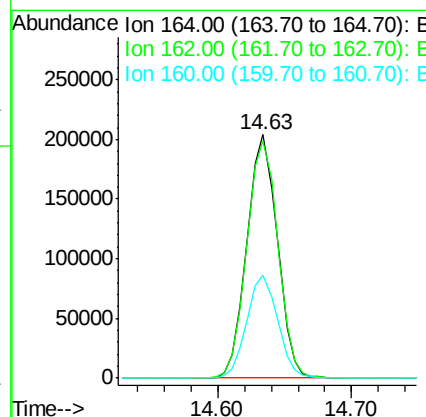
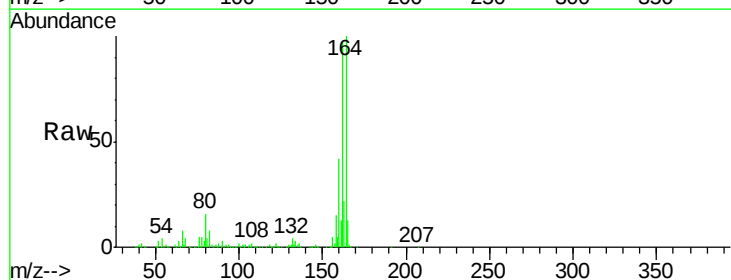
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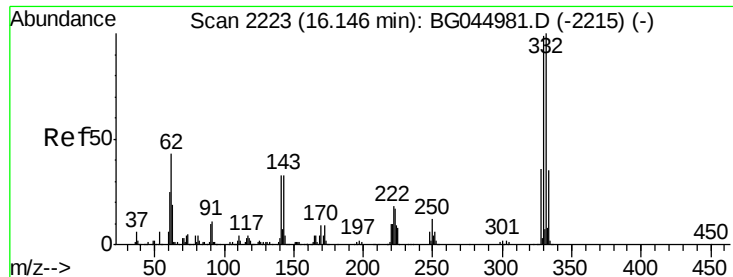
Tot Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG045244.D
Acq: 4 May 2020 21:54

Tgt Ion:164 Resp: 321228
Ion Ratio Lower Upper
164 100
162 97.2 78.7 118.1
160 42.4 32.8 49.2

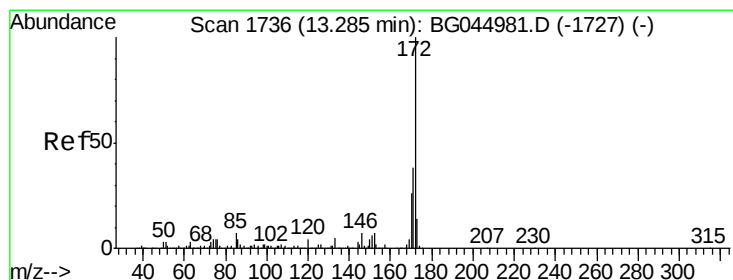
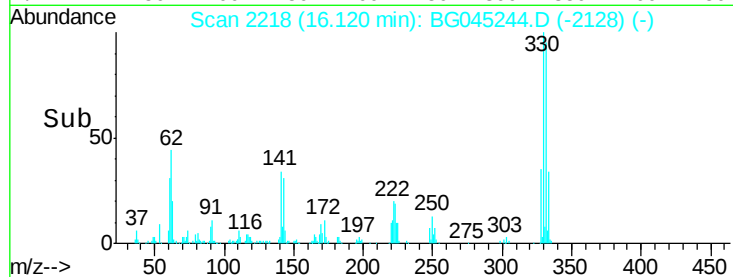
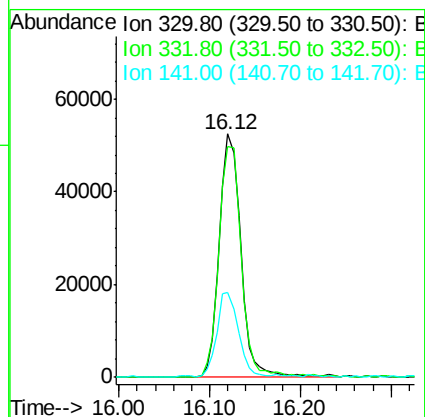
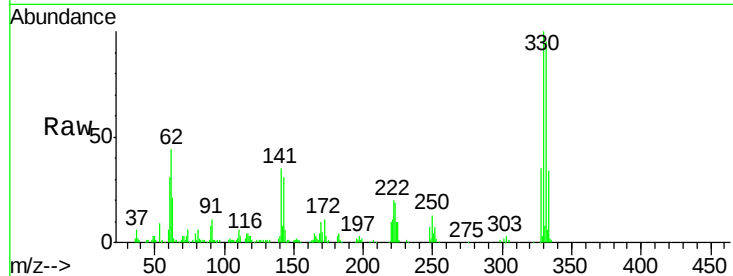




#42
 2,4,6-Tribromophenol
 Concen: 17.564 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045244.D
 Acq: 4 May 2020 21:54

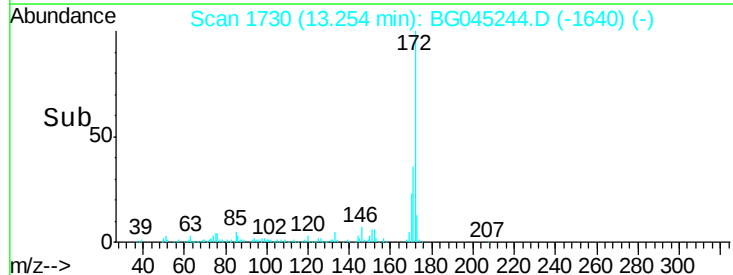
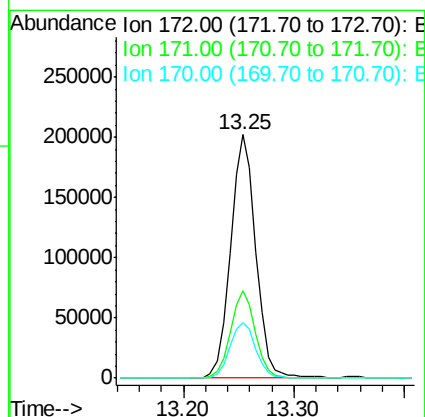
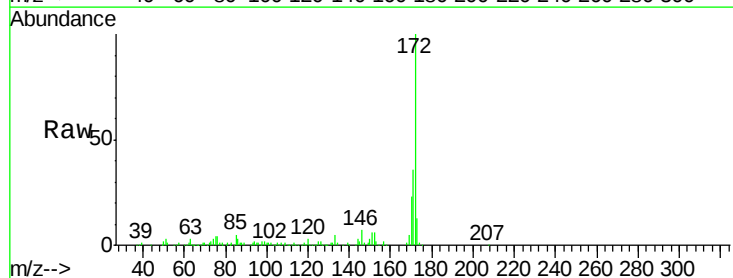
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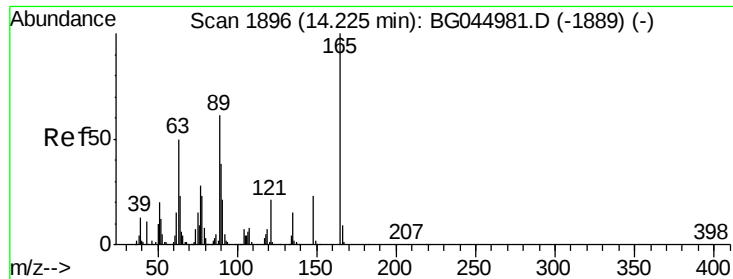
Tot Ion:330 Resp: 87162
 Ion Ratio Lower Upper
 330 100
 332 97.8 79.1 118.7
 141 34.7 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 14.719 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045244.D
 Acq: 4 May 2020 21:54

Tgt Ion:172 Resp: 322446
 Ion Ratio Lower Upper
 172 100
 171 36.0 30.6 46.0
 170 22.5 20.5 30.7

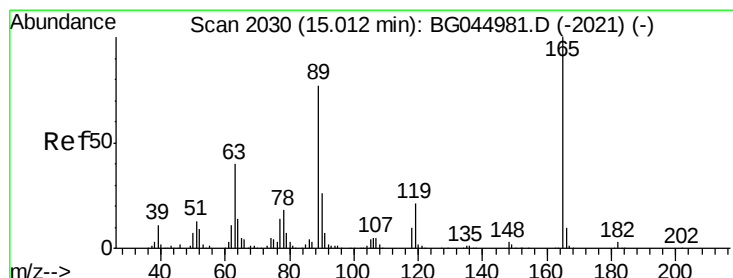
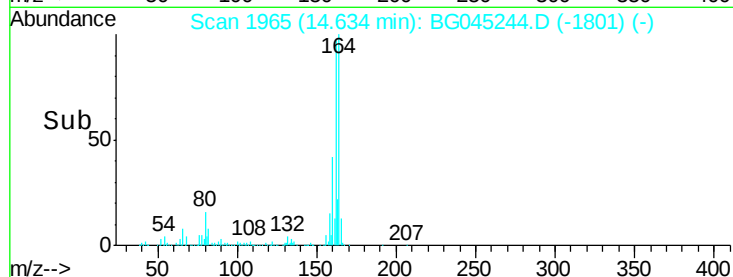
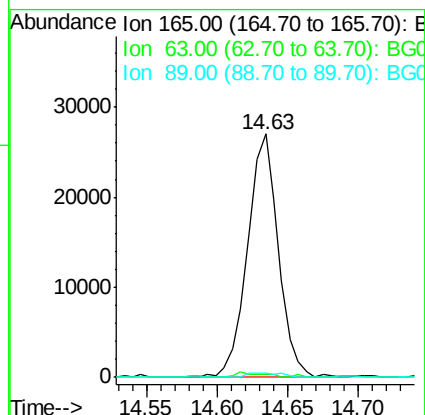
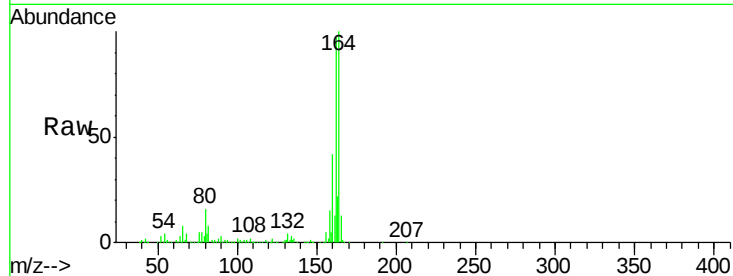




#51
 2,6-Dinitrotoluene
 Concen: 7.091 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.43 min
 Lab File: BG045244.D
 Acq: 4 May 2020 21:54

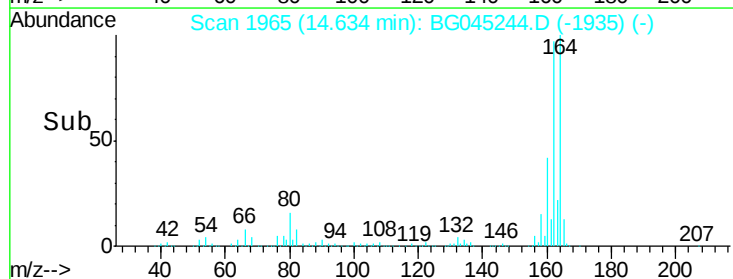
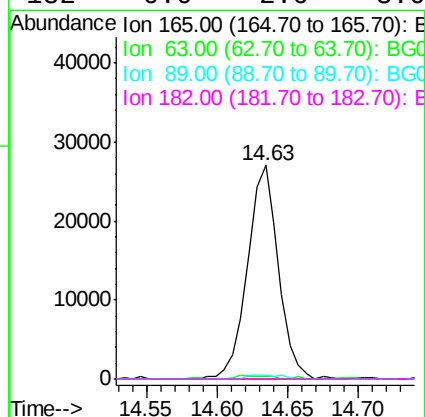
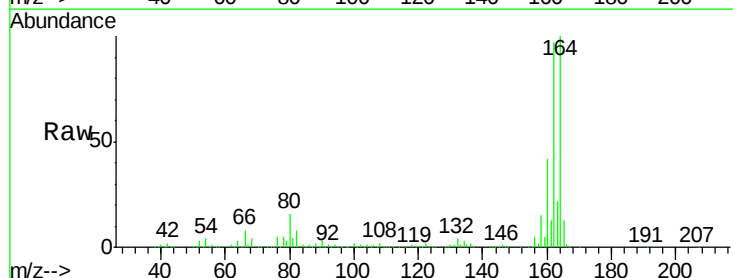
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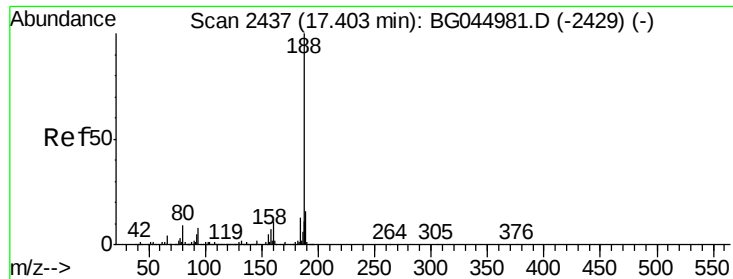
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.4	60.6#
89	1.7	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.852 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.35 min
 Lab File: BG045244.D
 Acq: 4 May 2020 21:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.2	48.2#
89	1.7	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

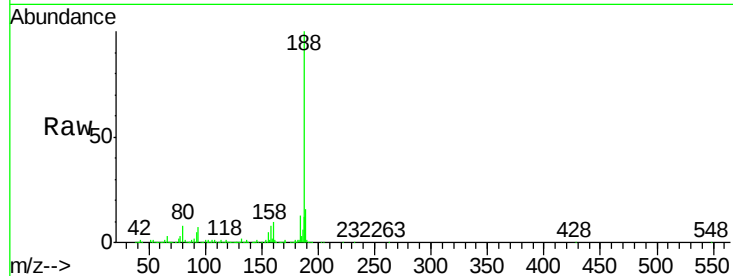
Tot Ion:188 Resp: 646902

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

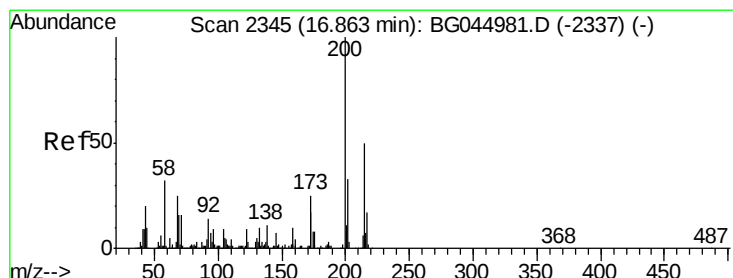
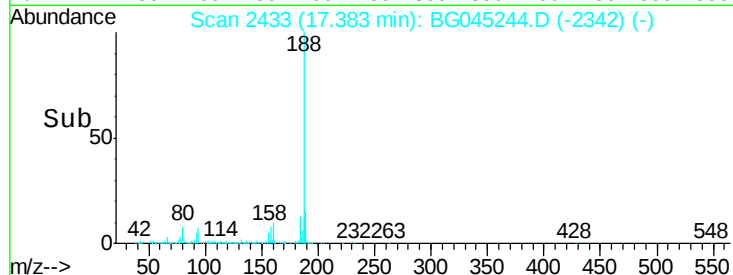
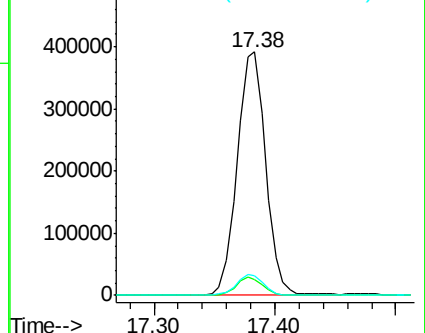
80 8.0 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Atrazine

Concen: Below Cal

RT: 16.95 min Scan# 2359

Delta R.T. 0.11 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

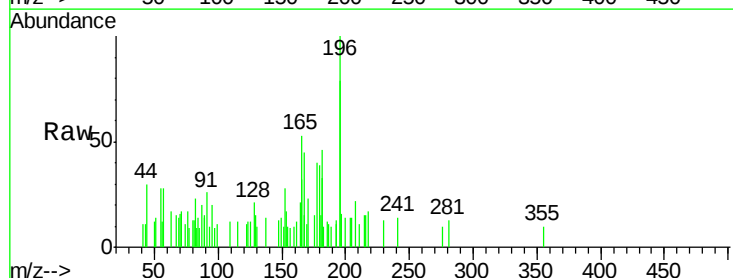
Tgt Ion:200 Resp: 79

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

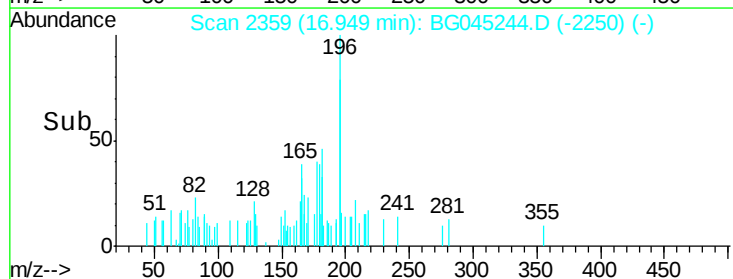
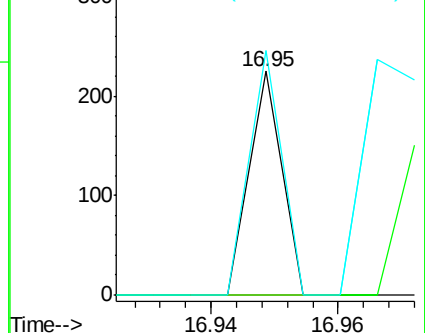
215 109.3 30.0 70.0#

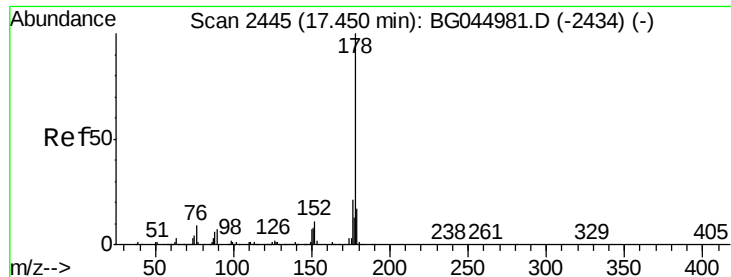


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#71

Phenanthrene

Concen: 5.025 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

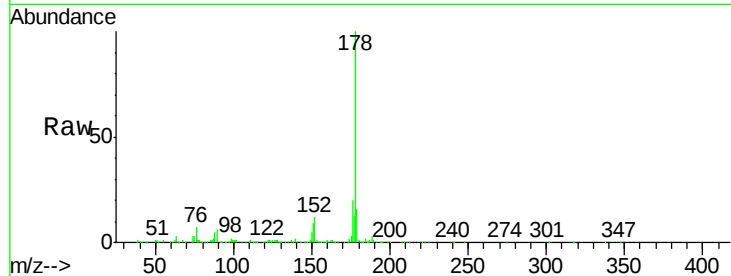
Tot Ion:178 Resp: 167042

Ion Ratio Lower Upper

178 100

176 20.4 16.8 25.2

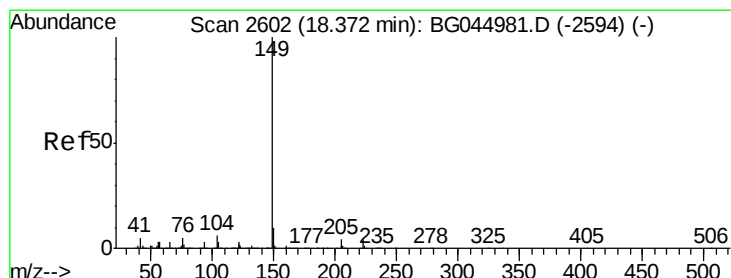
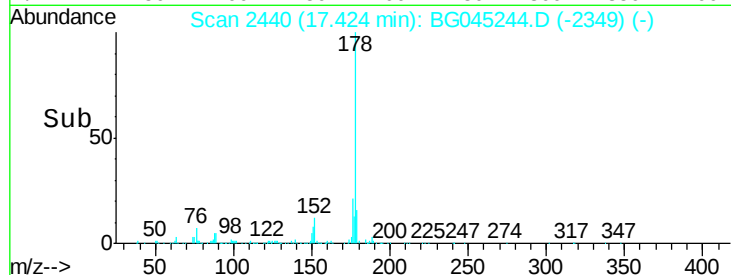
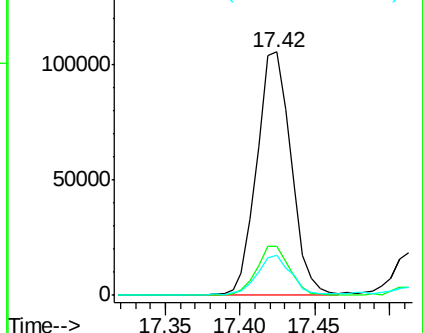
179 16.3 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

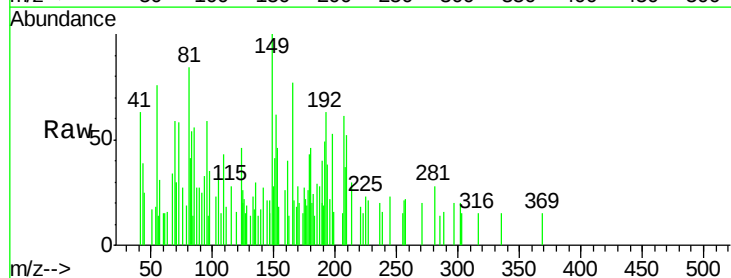
Tgt Ion:149 Resp: 1945

Ion Ratio Lower Upper

149 100

150 27.9 8.2 12.2#

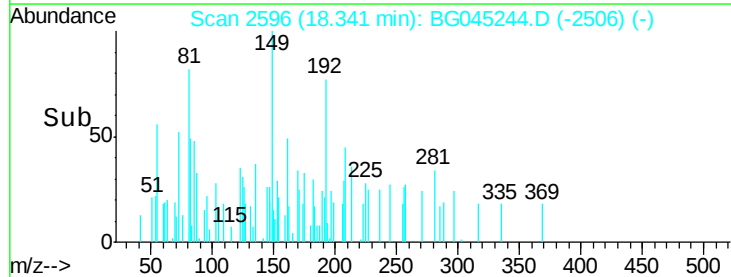
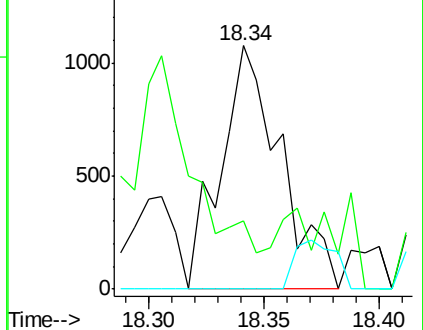
104 0.0 4.8 7.2#

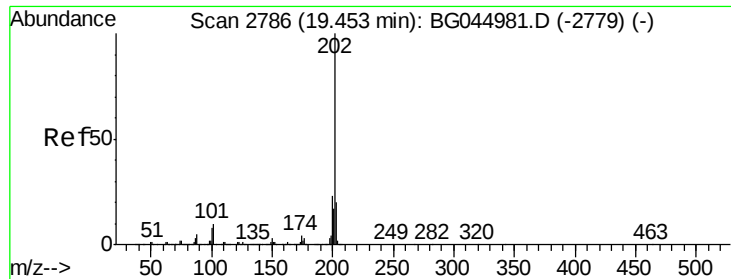


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 2.101 ng

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampled :

TP-3

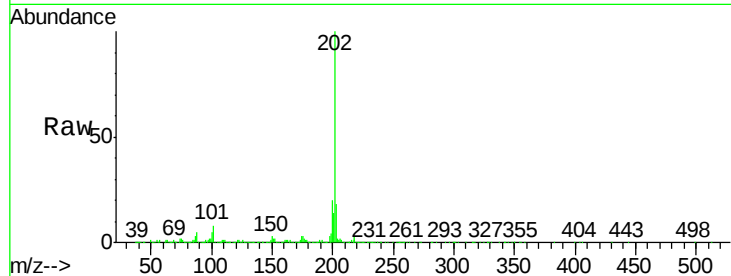
Tot Ion:202 Resp: 311939

Ion Ratio Lower Upper

202 100

101 7.5 0.0 29.6

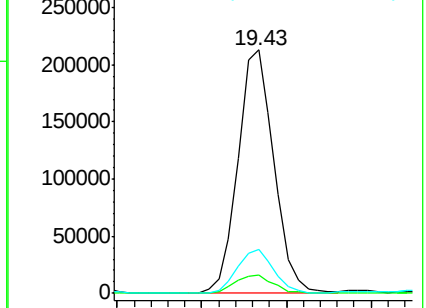
203 18.3 0.0 39.7



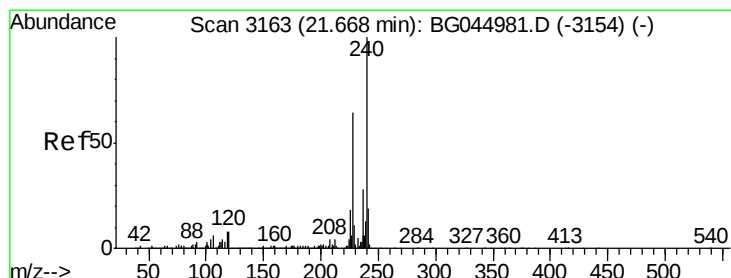
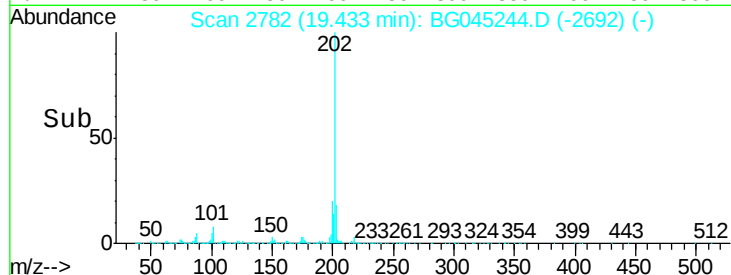
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.35 19.40 19.45 19.50



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

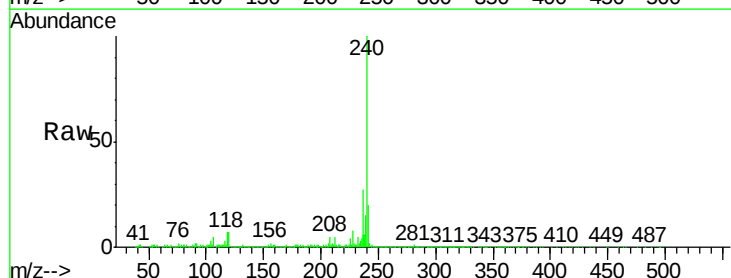
Tgt Ion:240 Resp: 542655

Ion Ratio Lower Upper

240 100

120 6.7 6.6 10.0

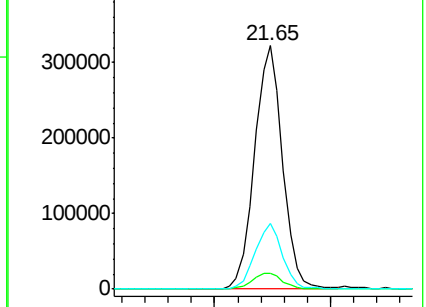
236 26.9 22.2 33.2



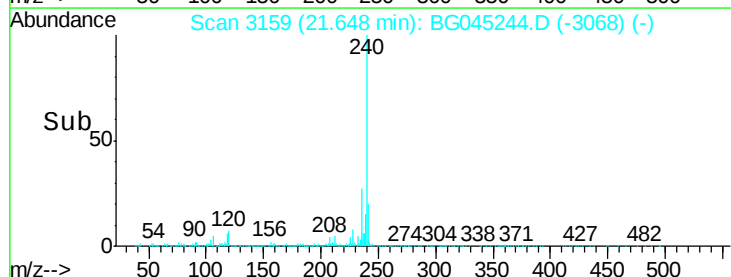
Abundance Ion 240.00 (239.70 to 240.70): E

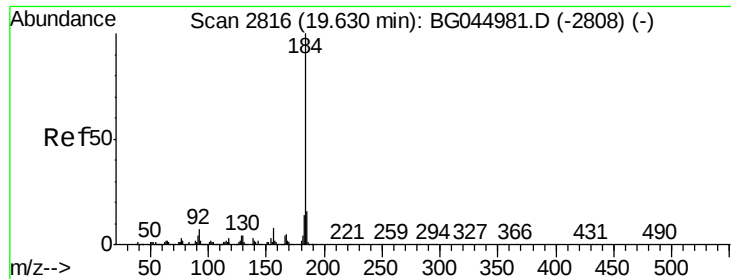
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.60 21.70





#77

Benzidine

Concen: Below Cal

RT: 19.62 min Scan# 2814

Delta R.T. 0.02 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

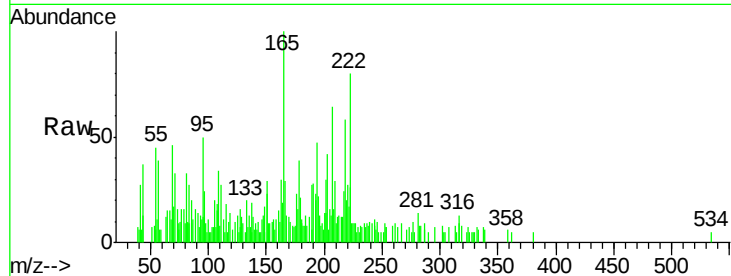
Tot Ion:184 Resp: 343

Ion Ratio Lower Upper

184 100

185 62.4 12.6 19.0#

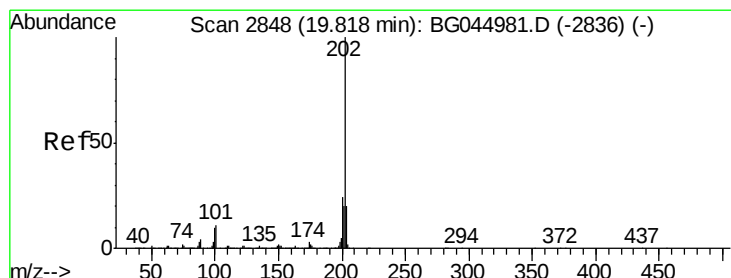
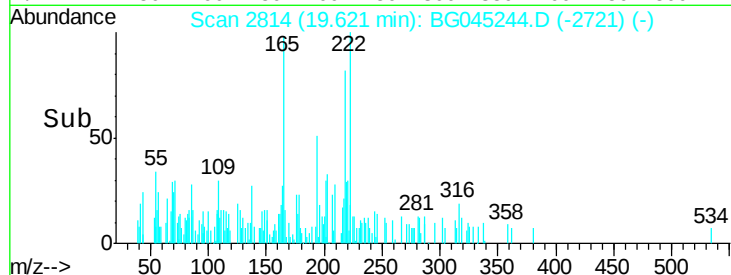
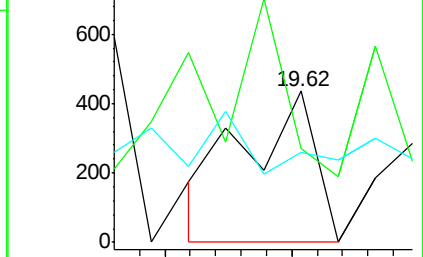
183 59.2 11.3 16.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.980 ng

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

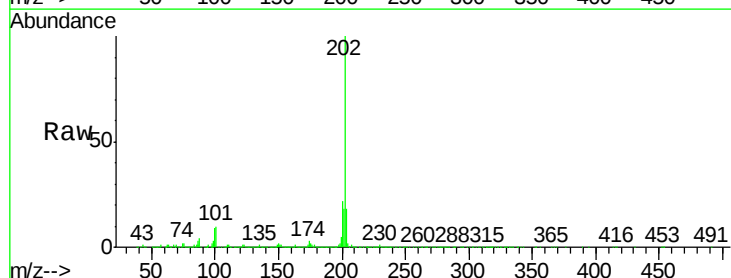
Tgt Ion:202 Resp: 335961

Ion Ratio Lower Upper

202 100

200 21.9 19.0 28.6

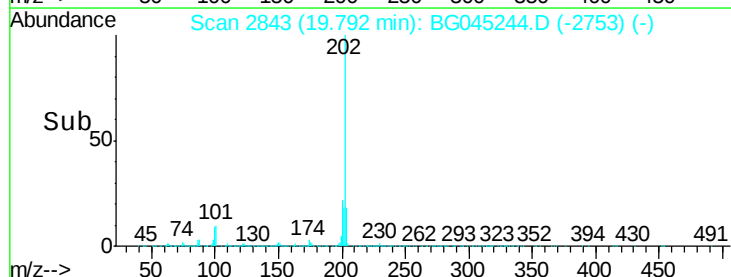
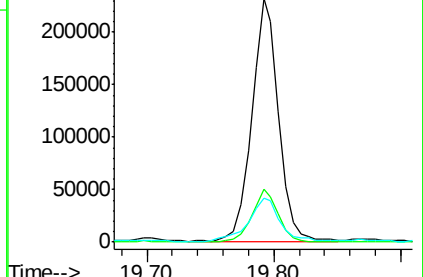
203 18.3 16.1 24.1

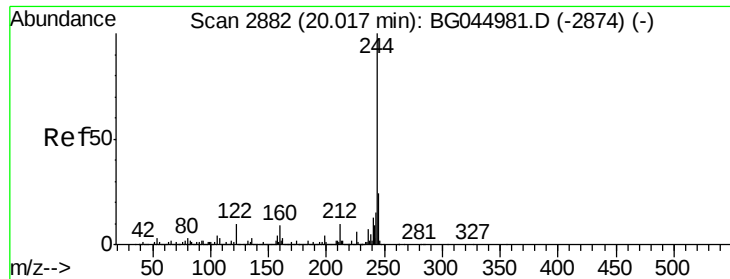


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 17.820 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

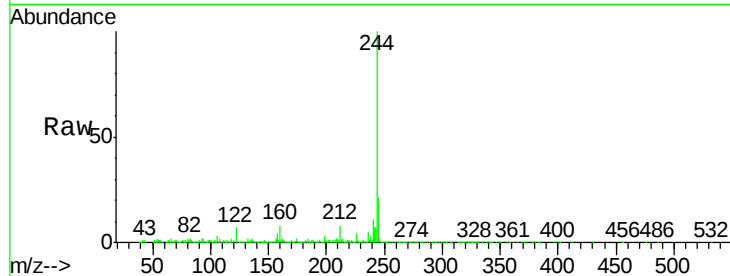
Tot Ion:244 Resp: 443678

Ion Ratio Lower Upper

244 100

212 7.7 7.9 11.9#

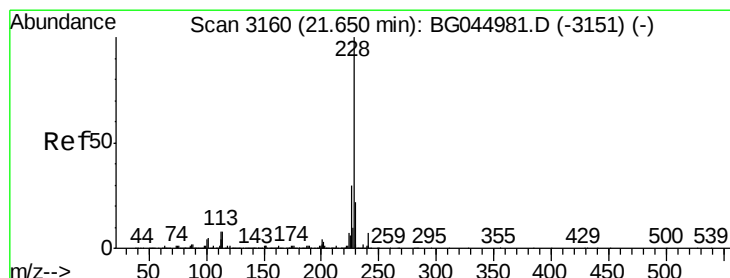
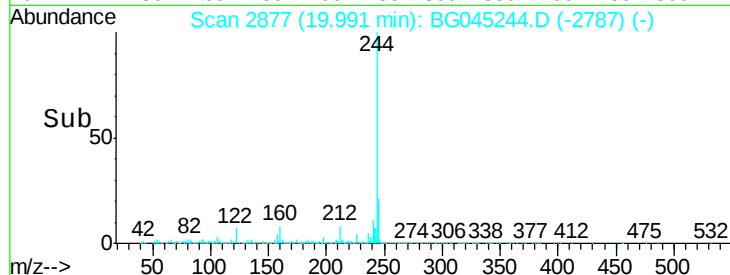
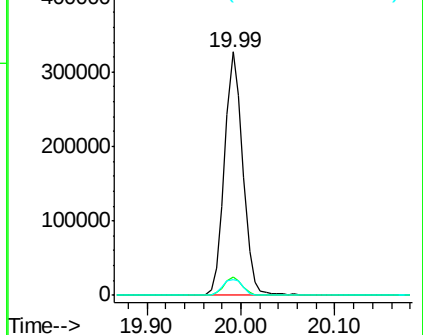
122 6.7 7.7 11.5#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.166 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

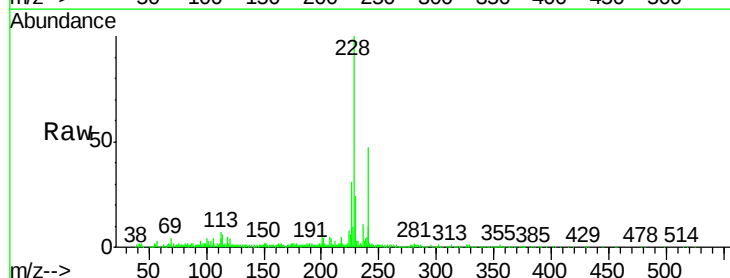
Tgt Ion:228 Resp: 181698

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

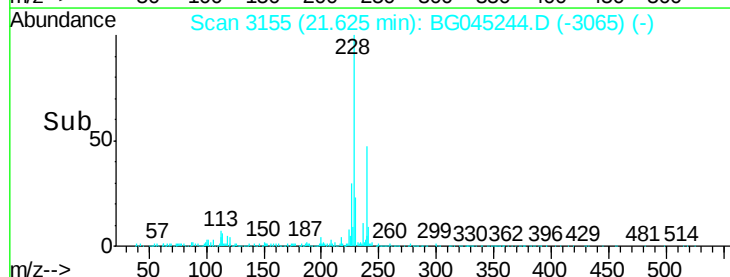
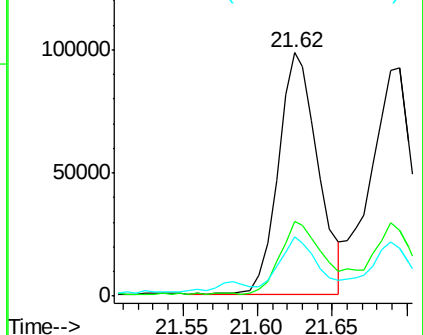
229 24.3 17.5 26.3

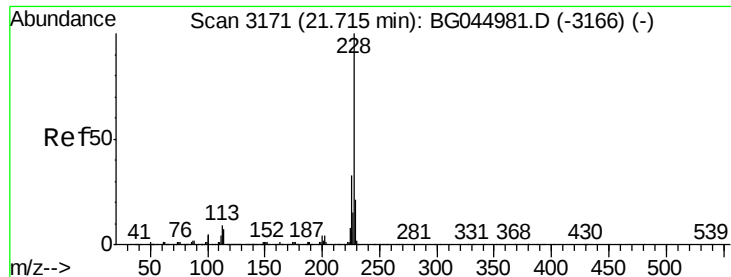


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.093 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampled :

TP-3

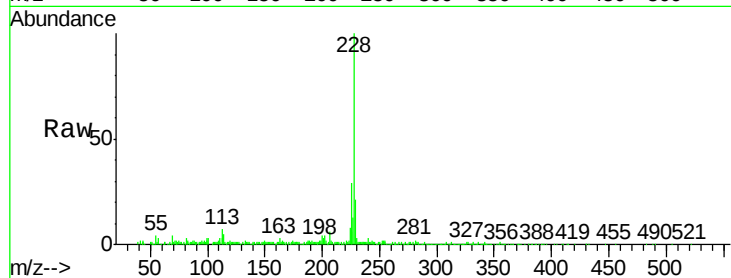
Tot Ion:228 Resp: 172123

Ion Ratio Lower Upper

228 100

226 28.9 26.2 39.4

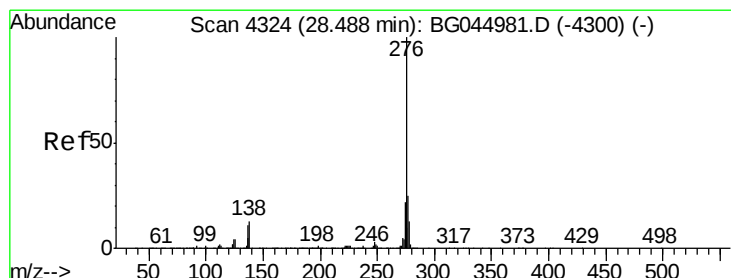
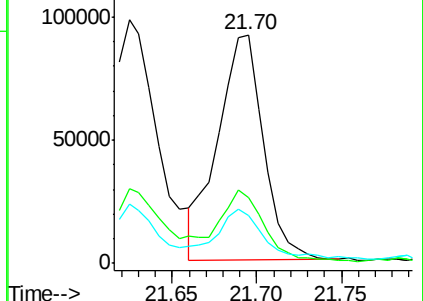
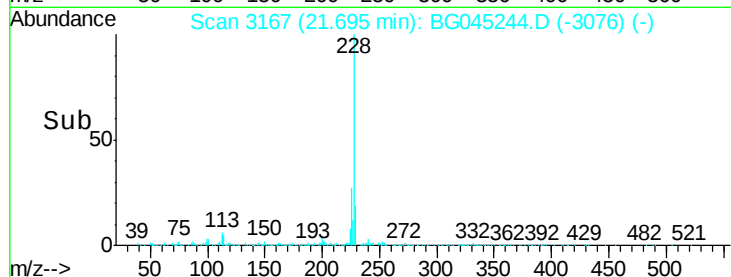
229 20.9 17.0 25.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.556 ng

RT: 28.43 min Scan# 4314

Delta R.T. 0.01 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

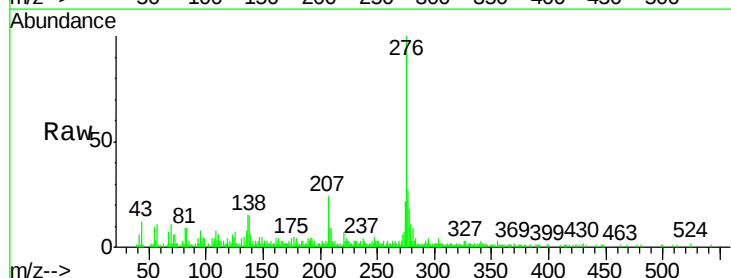
Tgt Ion:276 Resp: 114665

Ion Ratio Lower Upper

276 100

138 10.7 9.6 14.4

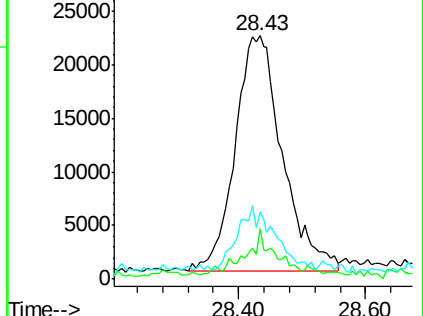
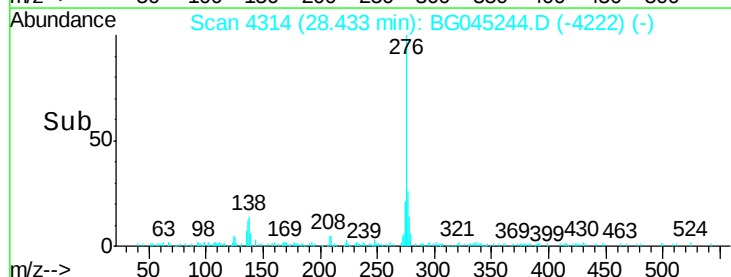
277 22.5 20.6 31.0

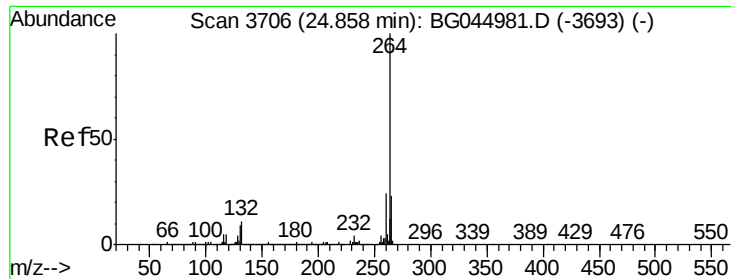


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.83 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

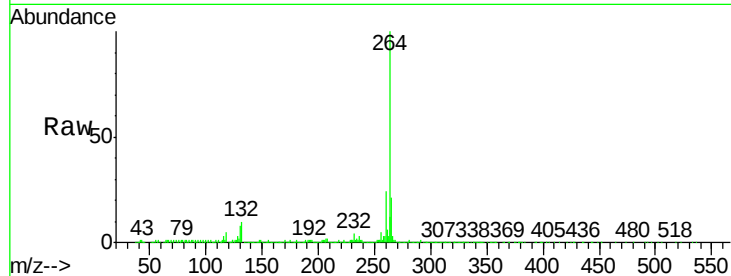
Tot Ion:264 Resp: 605573

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

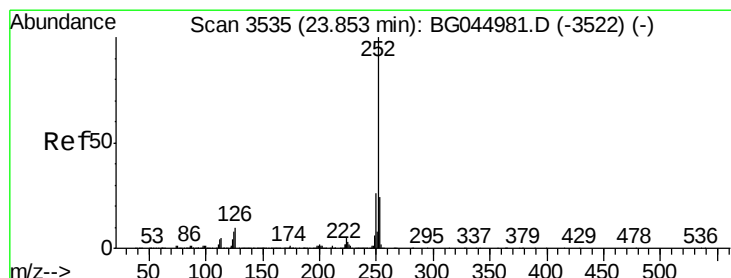
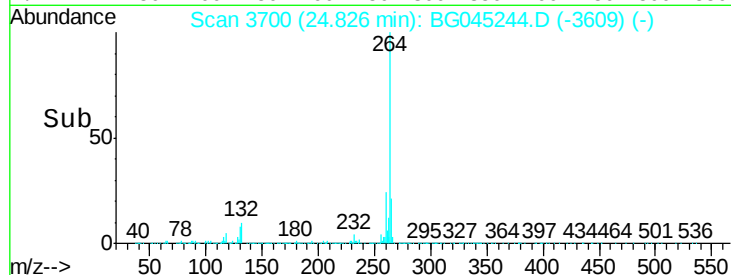
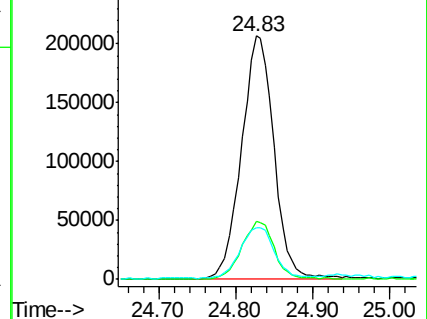
265 21.4 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.665 ng

RT: 23.83 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

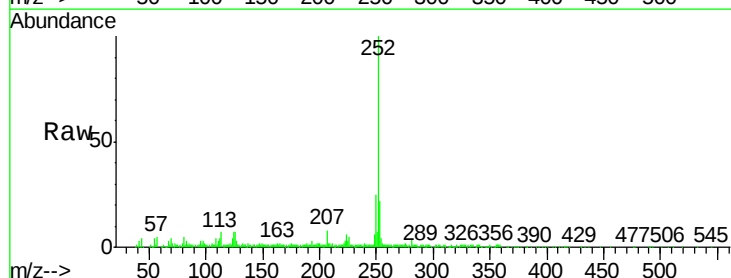
Tgt Ion:252 Resp: 214895

Ion Ratio Lower Upper

252 100

253 21.8 18.8 28.2

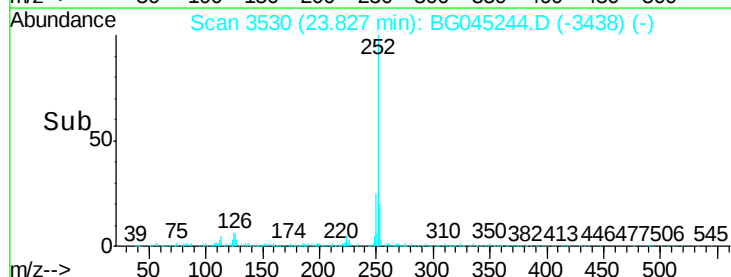
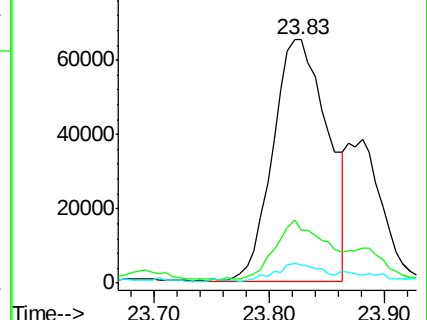
125 7.5 6.2 9.4

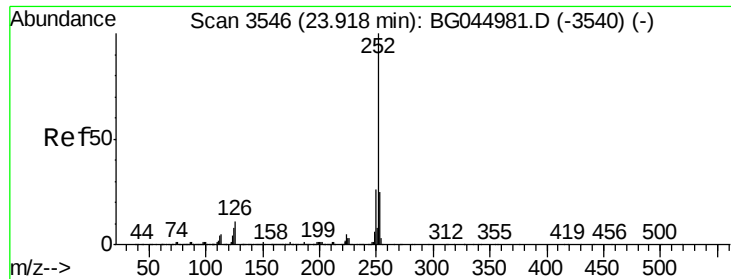


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.957 ng

RT: 23.83 min Scan# 3530

Delta R.T. -0.06 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

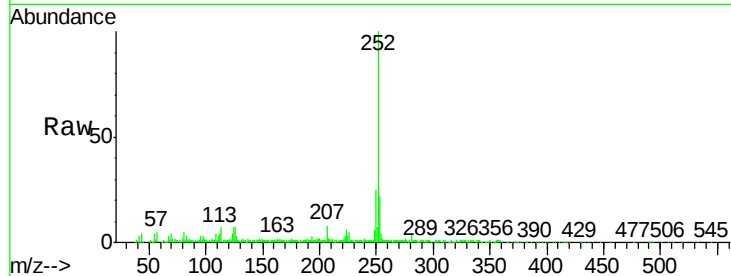
Tot Ion:252 Resp: 214895

Ion Ratio Lower Upper

252 100

253 21.8 19.2 28.8

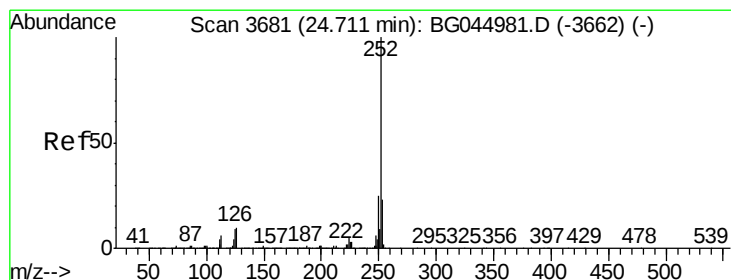
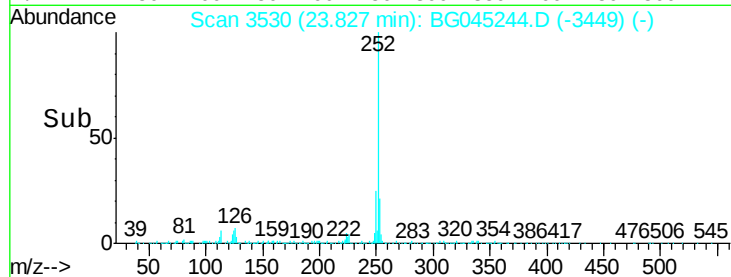
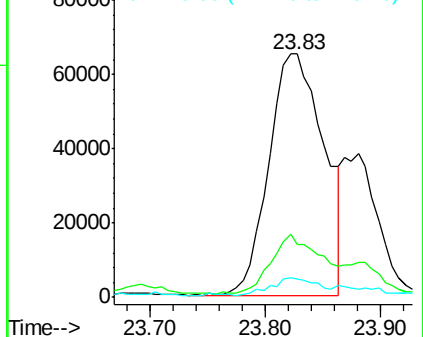
125 7.5 5.9 8.9



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



#90

Benzo(a)pyrene

Concen: 5.244 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

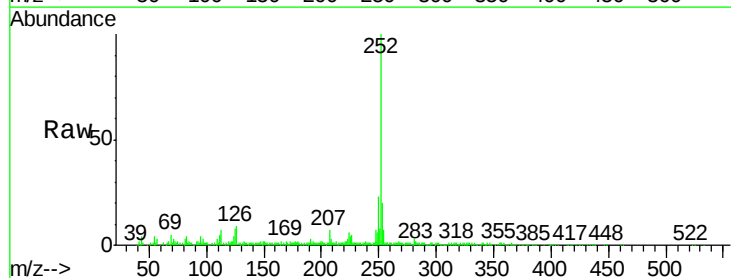
Tgt Ion:252 Resp: 187828

Ion Ratio Lower Upper

252 100

253 20.2 18.3 27.5

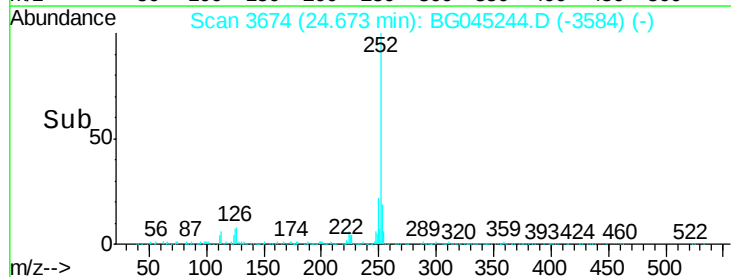
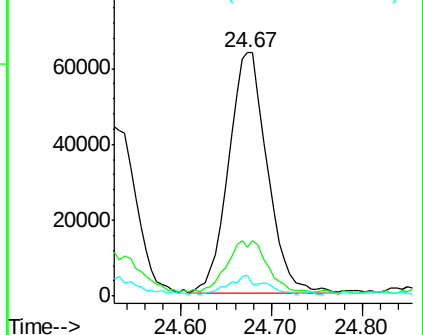
125 8.5 7.0 10.6

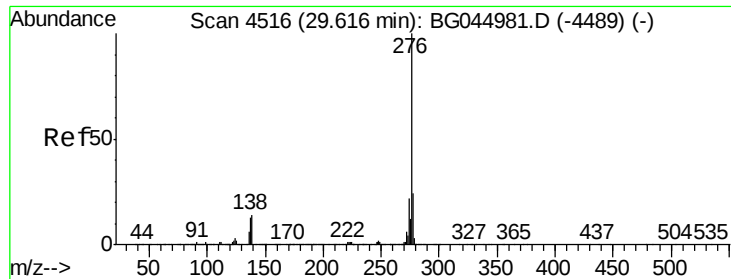


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.044 ng

RT: 29.54 min Scan# 4503

Delta R.T. -0.01 min

Lab File: BG045244.D

Acq: 4 May 2020 21:54

Instrument :

BNA_G

ClientSampleId :

TP-3

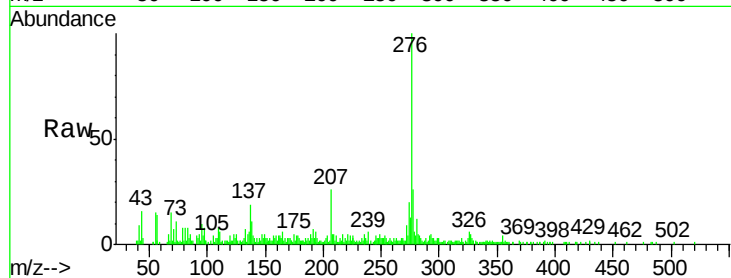
Tot Ion:276 Resp: 110143

Ion Ratio Lower Upper

276 100

277 25.5 19.3 28.9

138 10.6 11.4 17.2#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

