

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042020\
 Data File : BG045093.D
 Acq On : 20 Apr 2020 13:06
 Operator : CG/JU
 Sample : L2323-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-19-COMP

Quant Time: Apr 20 13:57:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 11:57:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	72072	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	317043	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	234648	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	516153	20.00	ng	0.00
76) Chrysene-d12	21.67	240	465175	20.00	ng	0.00
87) Perylene-d12	24.86	264	510011	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	466311	106.82	ng	0.00
7) Phenol-d6	7.19	99	769073	118.57	ng	0.00
23) Nitrobenzene-d5	9.18	82	568710	81.85	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	445939	123.02	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1416344	88.51	ng	0.00
79) Terphenyl-d14	20.02	244	2051195	96.11	ng	0.00

Target Compounds

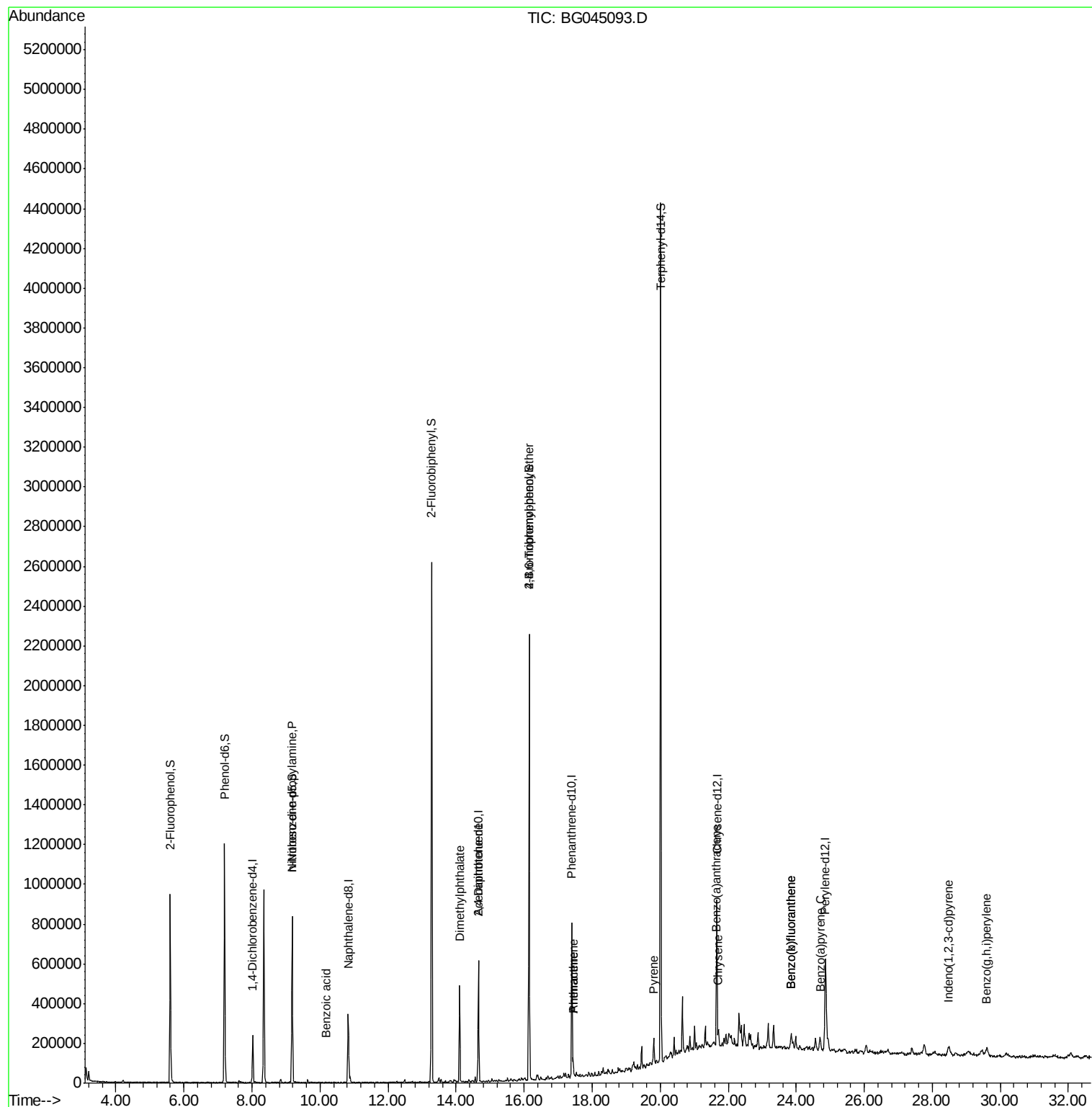
	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	717	Below Cal	#	44
19) n-Nitroso-di-n-propylamine	9.18	70	79308	17.290	ng	# 79
32) Benzoic acid	10.20	122	61	6.387	ng	# 1
50) Dimethylphthalate	14.11	163	339612	17.775	ng	# 99
57) 2,4-Dinitrotoluene	14.66	165	31777	5.088	ng	# 23
67) 4-Bromophenyl-phenylether	16.15	248	30602	4.596	ng	# 1
69) Atrazine	16.81	200	57	Below Cal	#	35
71) Phenanthrene	17.45	178	61589	2.322	ng	# 98
72) Anthracene	17.45	178	61589	2.315	ng	# 96
74) Di-n-butylphthalate	18.37	149	3878	Below Cal	#	83
75) Fluoranthene	19.45	202	66432	Below Cal	#	98
77) Benzidine	20.02	184	41035	Below Cal	#	92
78) Pyrene	19.81	202	80245	2.502	ng	# 96
81) Benzo(a)anthracene	21.65	228	62710	2.080	ng	# 96
83) Chrysene	21.71	228	66442	2.294	ng	# 98
86) Indeno(1,2,3-cd)pyrene	28.48	276	77823	2.023	ng	# 86
88) Benzo(b)fluoranthene	23.85	252	129291	4.047	ng	# 97
89) Benzo(k)fluoranthene	23.85	252	129291	4.256	ng	# 98
90) Benzo(a)pyrene	24.71	252	77862	2.581	ng	# 100
92) Benzo(a,h,i)perylene	29.60	276	86512	2.839	ng	# 92

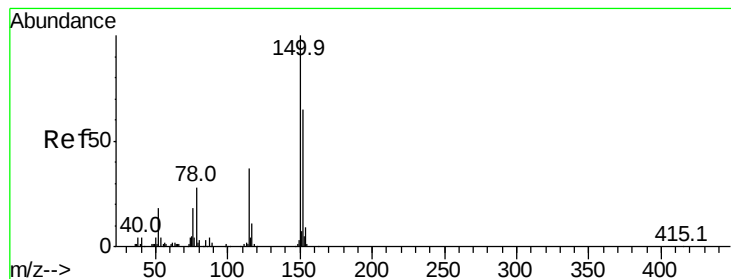
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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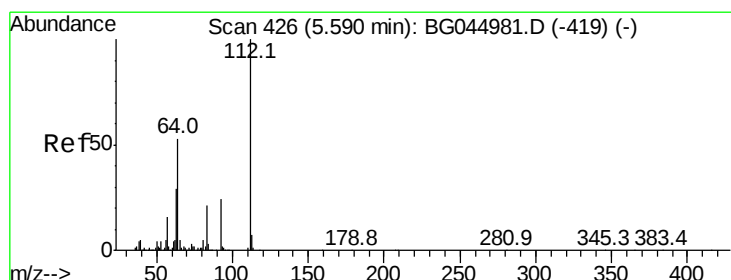
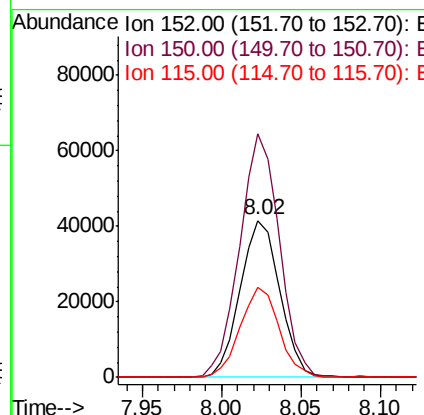
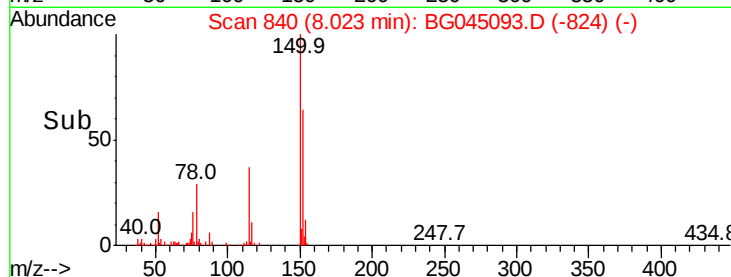
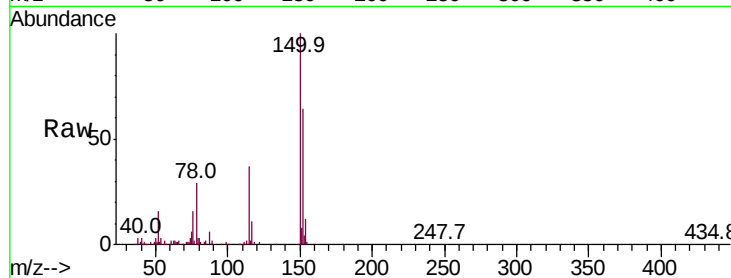




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BG045093.D
 Acq: 20 Apr 2020 13:06

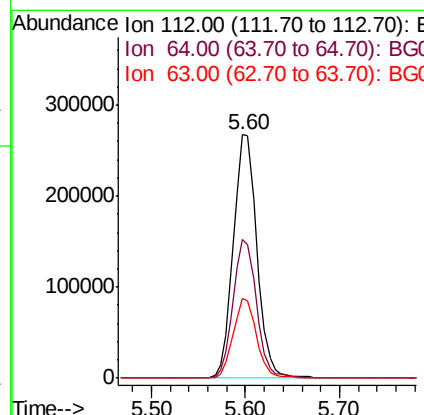
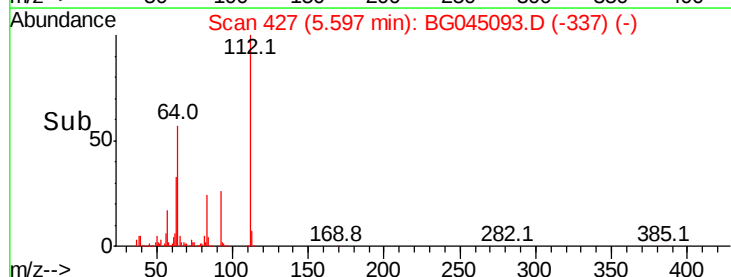
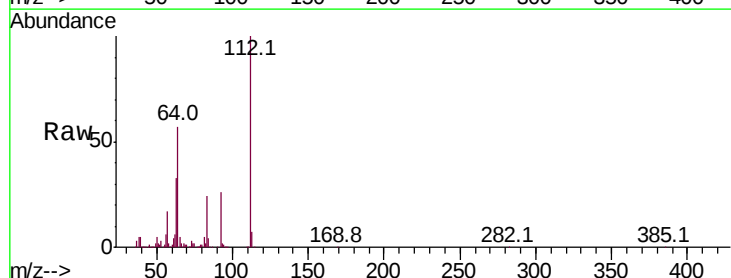
Instrument :
 BNA_G
 ClientSampleId :
 TP-19-COMP

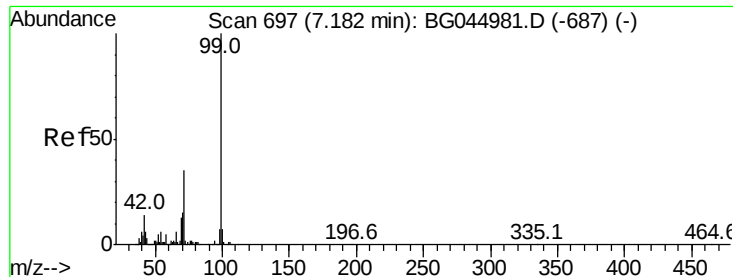
Tot Ion:	152	Resp:	72072
Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.6	185.4
115	57.5	49.1	73.7



#5
 2-Fluorophenol
 Concen: 106.817 ng
 RT: 5.60 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: BG045093.D
 Acq: 20 Apr 2020 13:06

Tgt Ion:	112	Resp:	466311
Ion	Ratio	Lower	Upper
112	100		
64	57.1	42.4	63.6
63	32.9	23.1	34.7





#7

Phenol-d6

Concen: 118.574 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

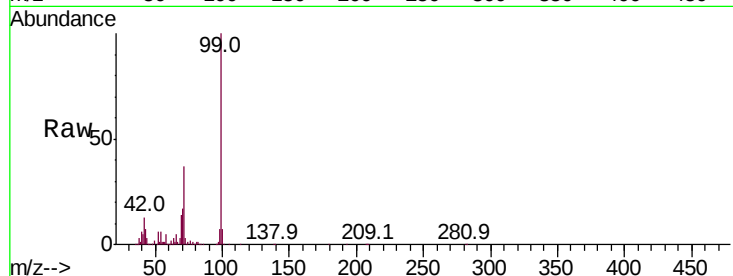
Tot Ion: 99 Resp: 769073

Ion Ratio Lower Upper

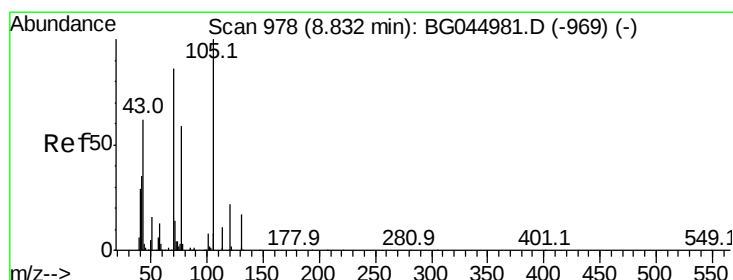
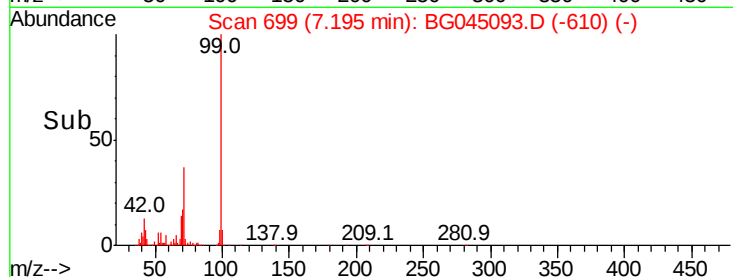
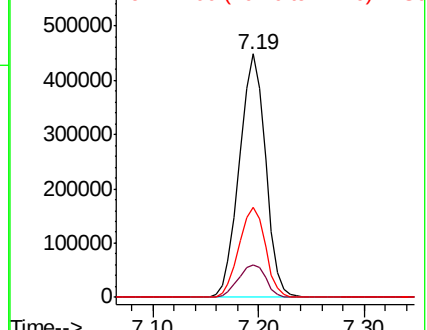
99 100

42 13.4 11.3 16.9

71 37.0 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: 17.290 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Tgt Ion: 70 Resp: 79308

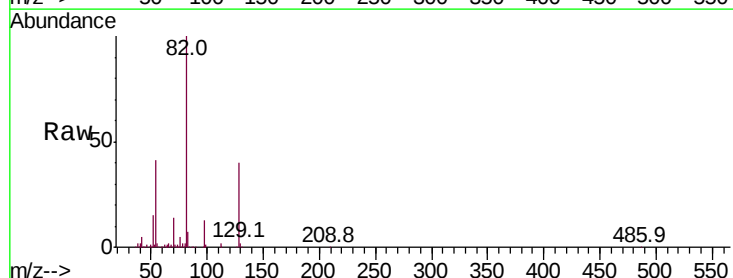
Ion Ratio Lower Upper

70 100

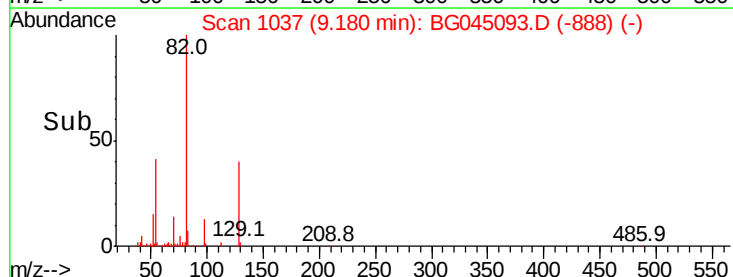
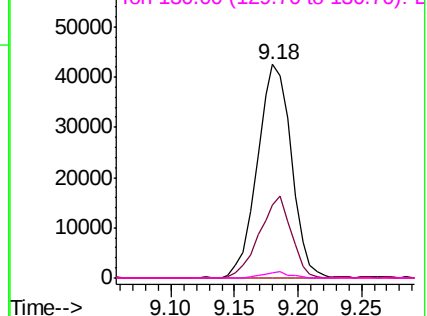
42 34.0 33.3 49.9

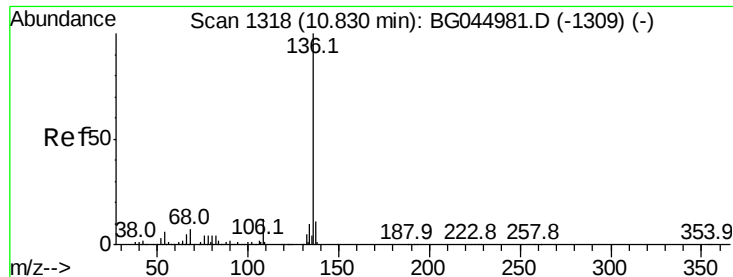
101 0.0 7.8 11.8#

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: 10.83 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

Tot Ion:136 Resp: 317043

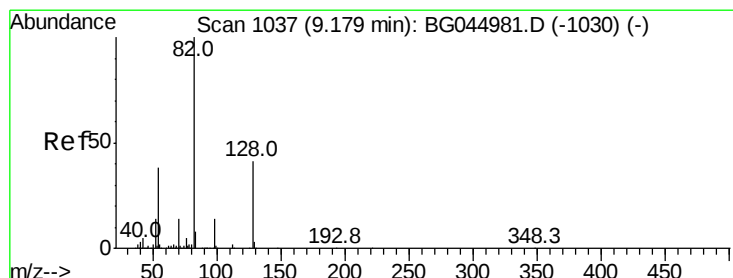
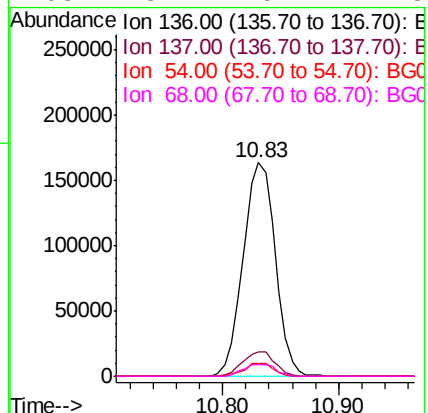
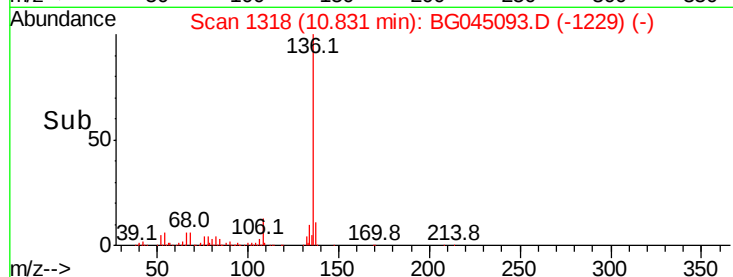
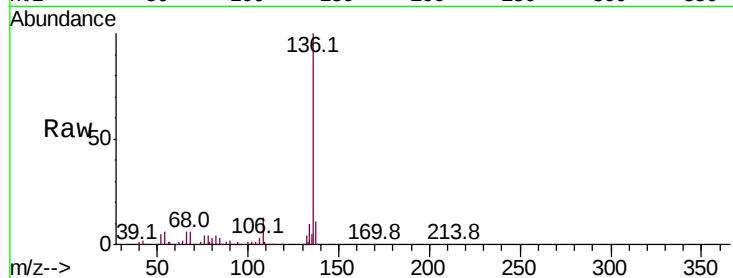
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	6.0	4.8	7.2
68	5.7	5.2	7.8

136 100

137 11.3 8.6 13.0

54 6.0 4.8 7.2

68 5.7 5.2 7.8



#23

Nitrobenzene-d5

Concen: 81.849 ng

RT: 9.18 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

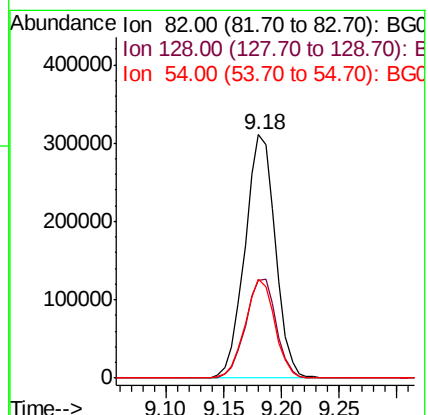
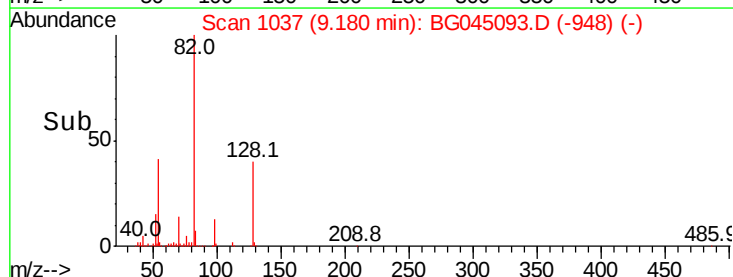
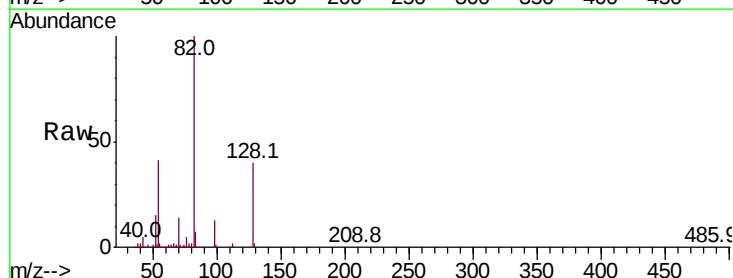
Tgt Ion: 82 Resp: 568710

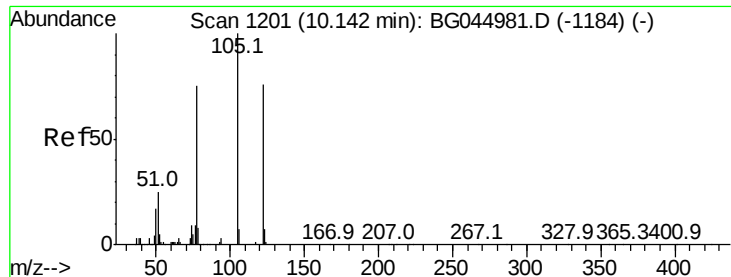
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.0	49.4
54	40.8	30.4	45.6

82 100

128 40.1 33.0 49.4

54 40.8 30.4 45.6

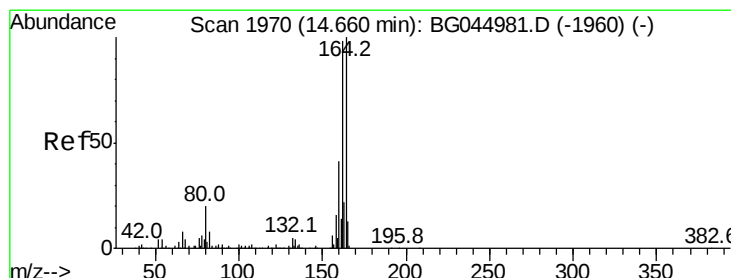
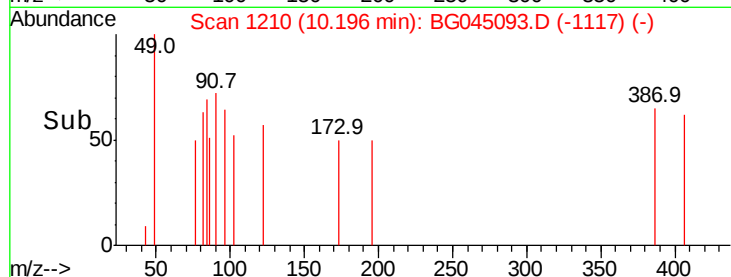
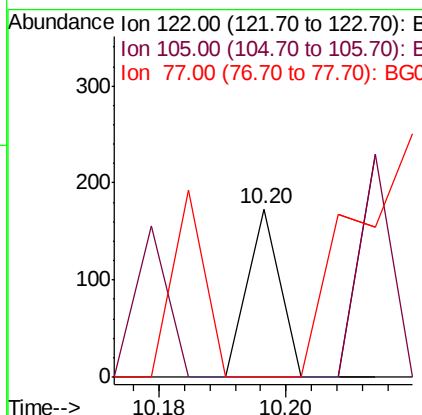
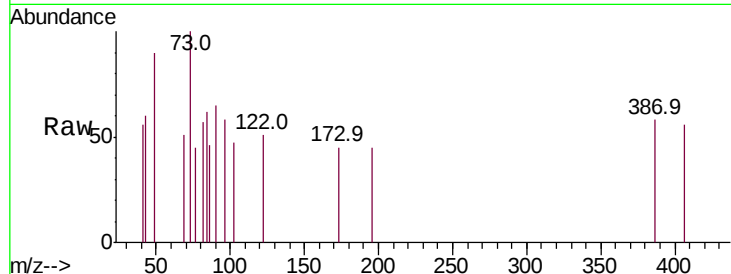




#32
Benzoic acid
Concen: 6.387 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BG045093.D
Acq: 20 Apr 2020 13:06

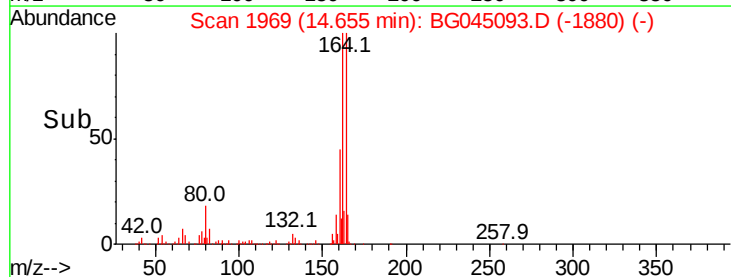
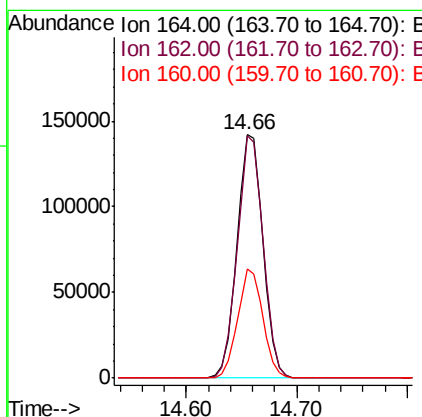
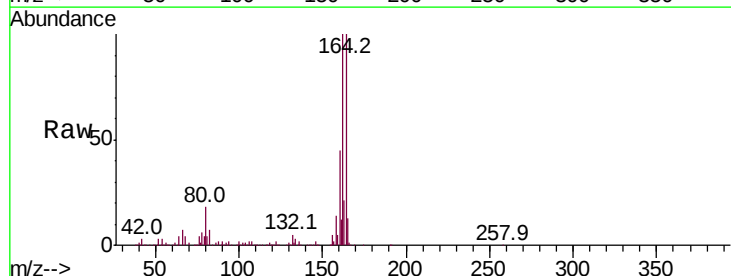
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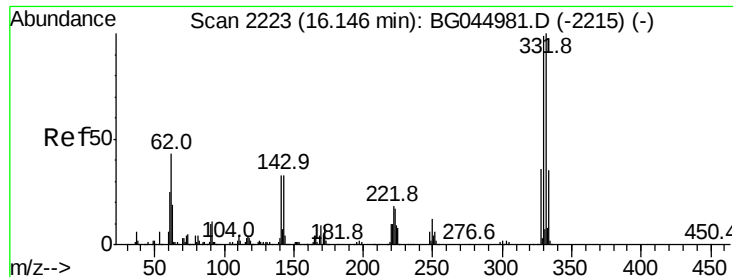
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BG045093.D
Acq: 20 Apr 2020 13:06

Tgt Ion:164 Resp: 234648
Ion Ratio Lower Upper
164 100
162 99.5 78.7 118.1
160 44.8 32.8 49.2

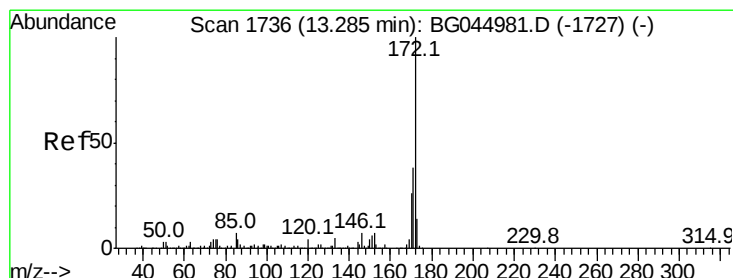
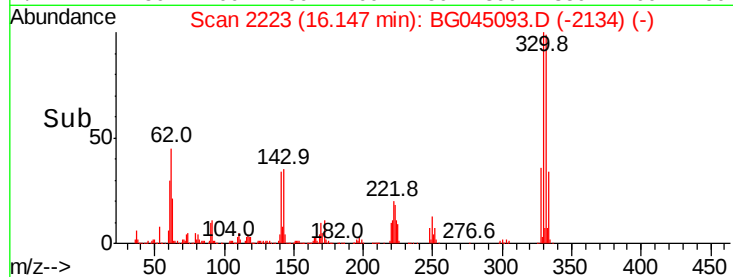
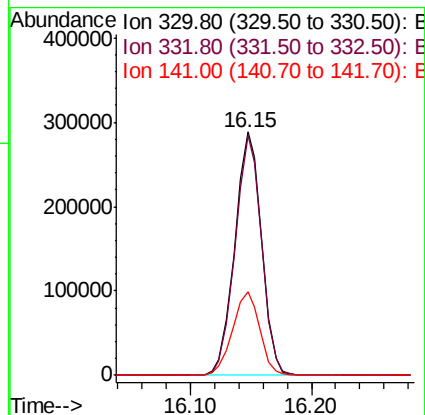
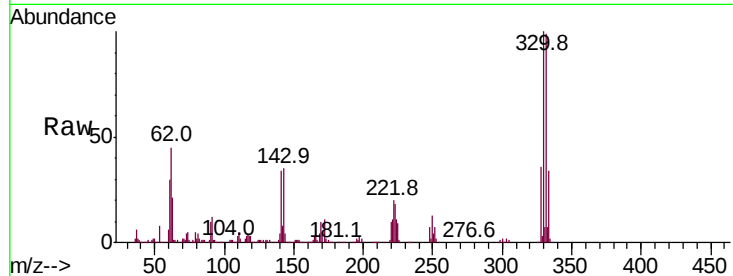




#42
 2,4,6-Tribromophenol
 Concen: 123.018 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BG045093.D
 Acq: 20 Apr 2020 13:06

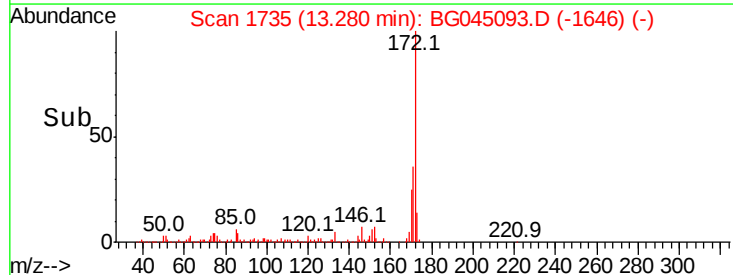
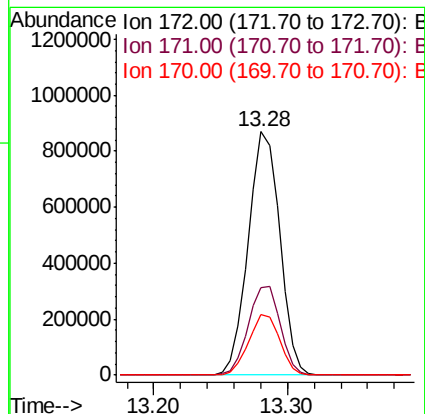
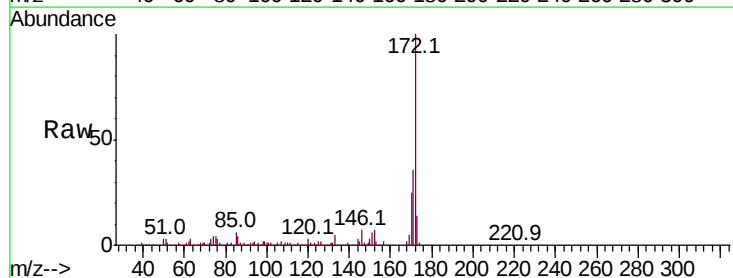
Instrument :
 BNA_G
 ClientSampleId :
 TP-19-COMP

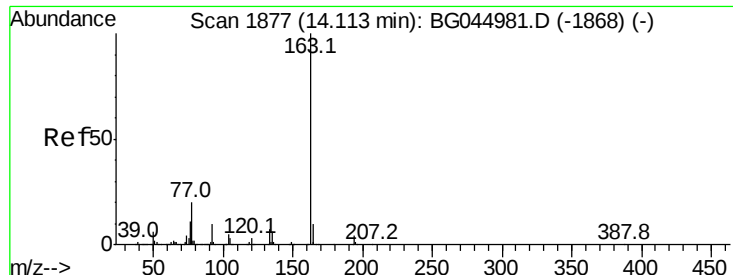
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.1	118.7
141	34.7	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 88.508 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG045093.D
 Acq: 20 Apr 2020 13:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	46.0
170	24.6	20.5	30.7

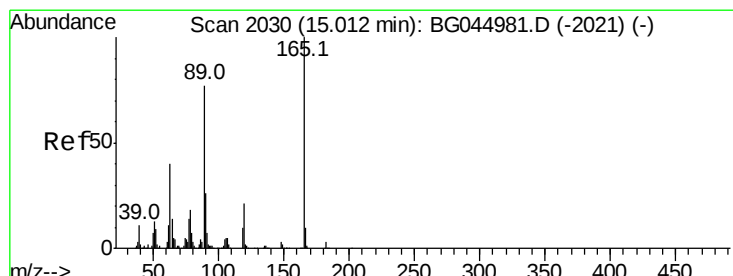
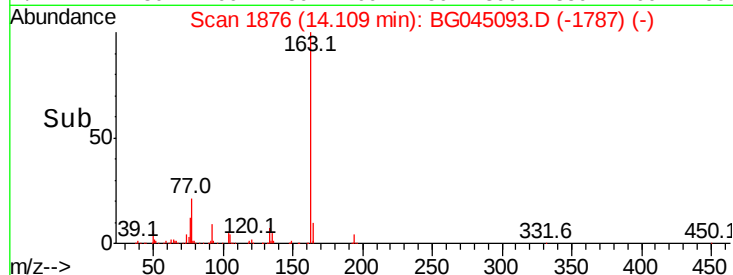
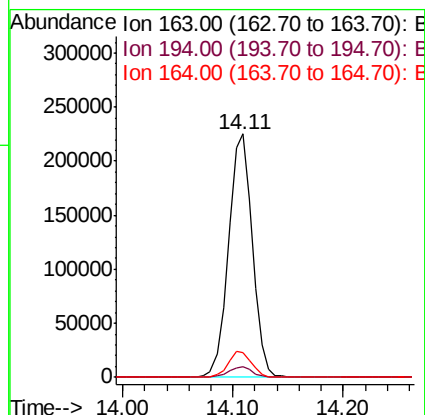
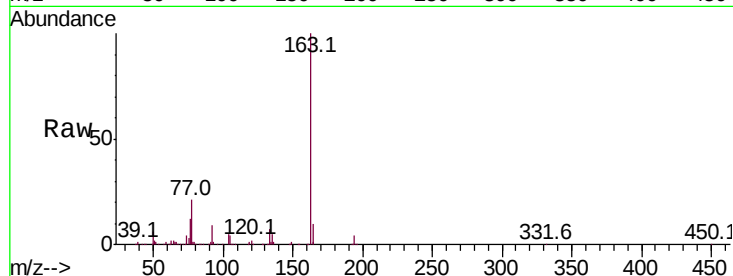




#50
Dimethylphthalate
Concen: 17.775 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG045093.D
Acq: 20 Apr 2020 13:06

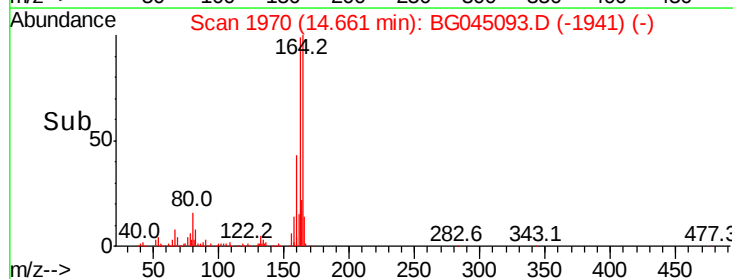
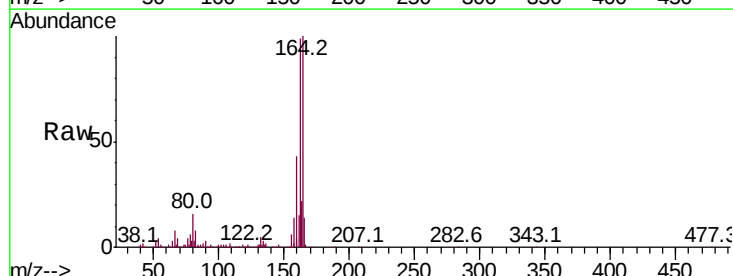
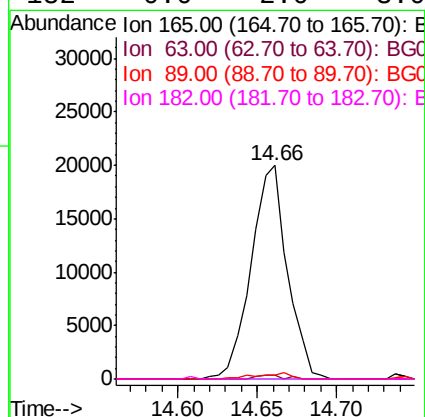
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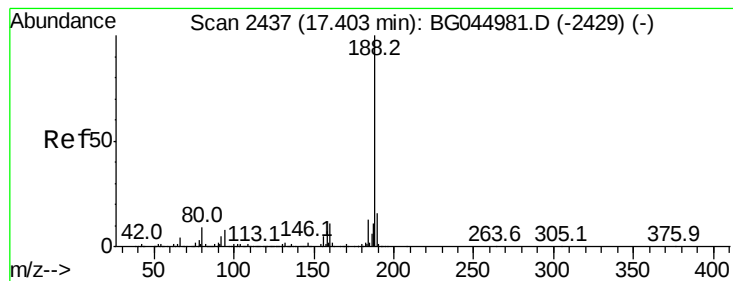
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 5.088 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG045093.D
Acq: 20 Apr 2020 13:06

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

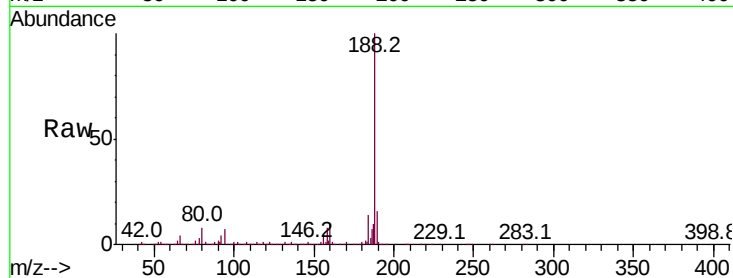
Tot Ion:188 Resp: 516153

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

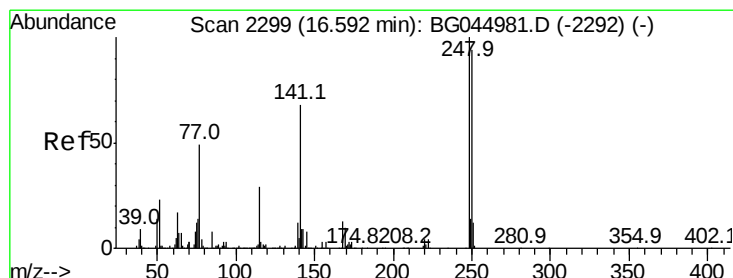
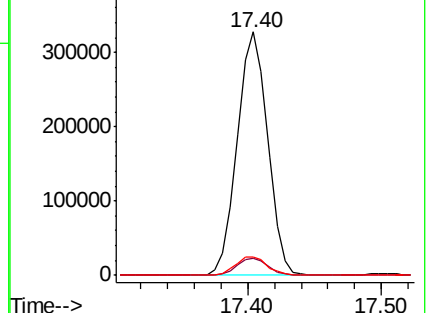
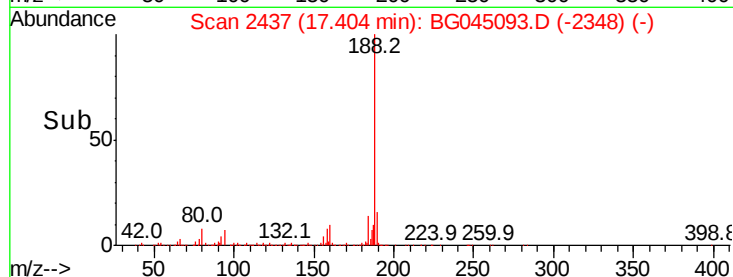
80 7.7 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.596 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

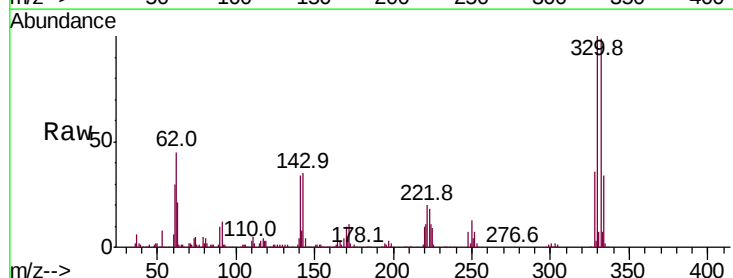
Tgt Ion:248 Resp: 30602

Ion Ratio Lower Upper

248 100

250 181.2 75.4 113.2#

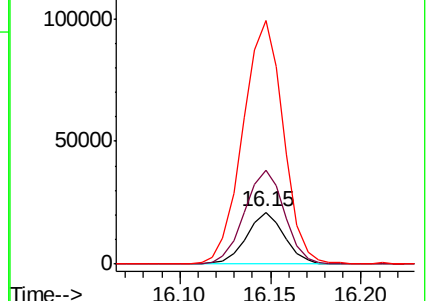
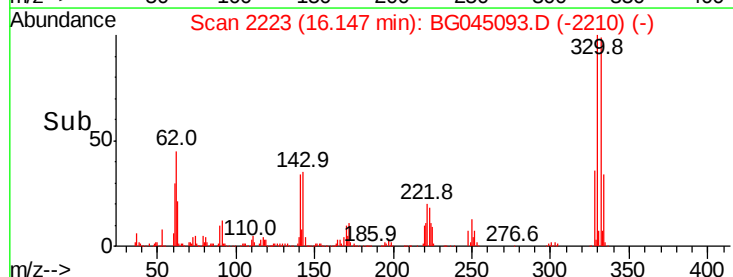
141 469.1 54.4 81.6#

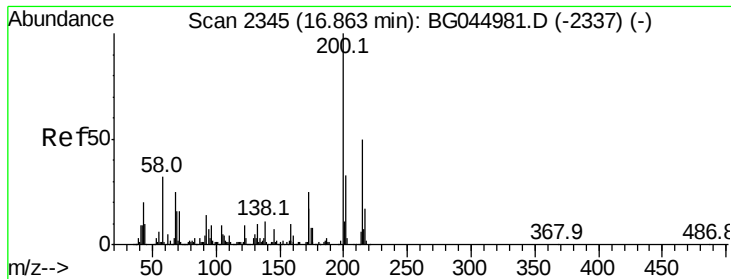


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.81 min Scan# 2336

Delta R.T. -0.05 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

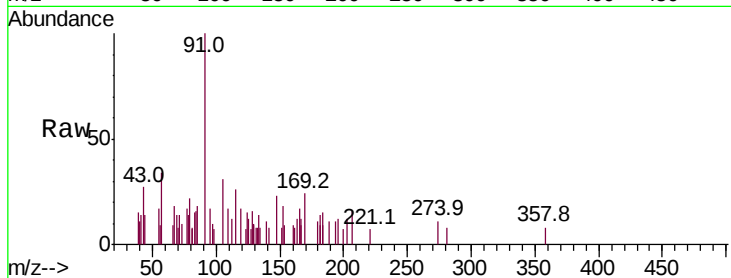
Tot Ion:200 Resp: 57

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

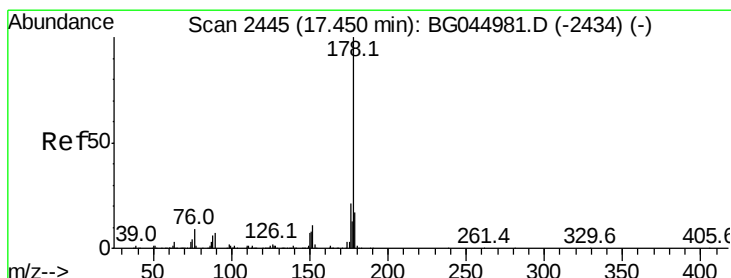
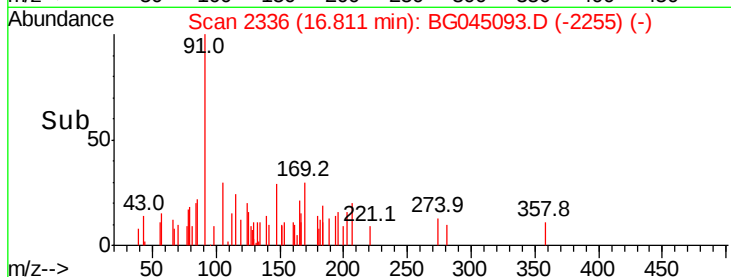
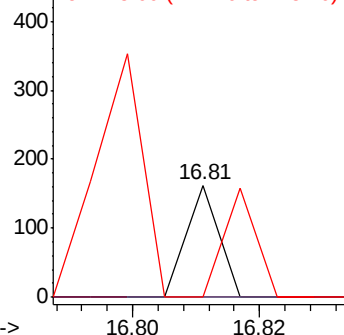
215 0.0 30.0 70.0#



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: 2.322 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

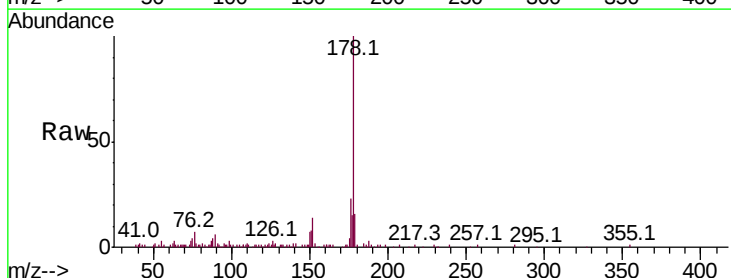
Tgt Ion:178 Resp: 61589

Ion Ratio Lower Upper

178 100

176 22.8 16.8 25.2

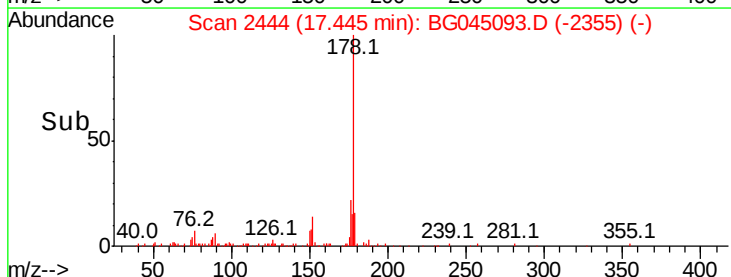
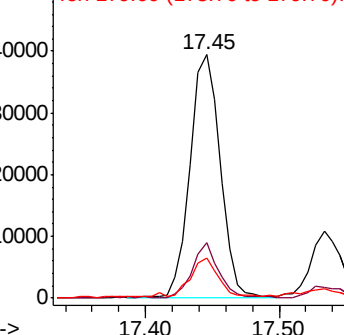
179 16.3 13.2 19.8

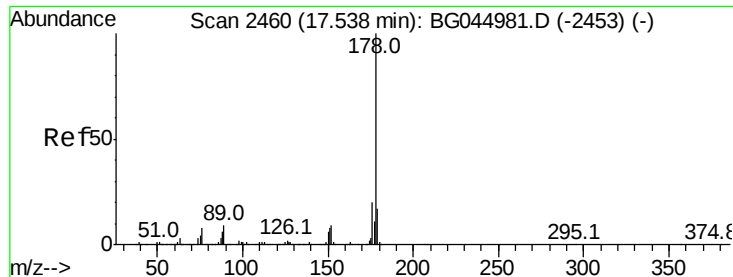


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.315 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.10 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

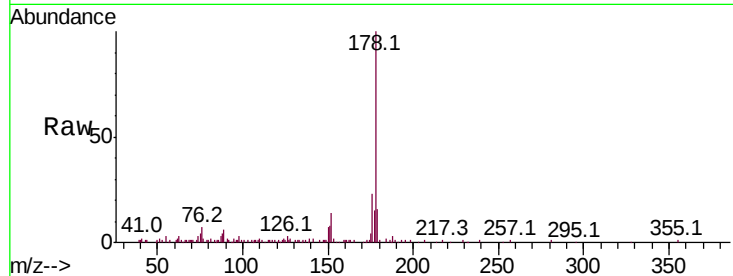
Tot Ion:178 Resp: 61589

Ion Ratio Lower Upper

178 100

176 22.8 16.0 24.0

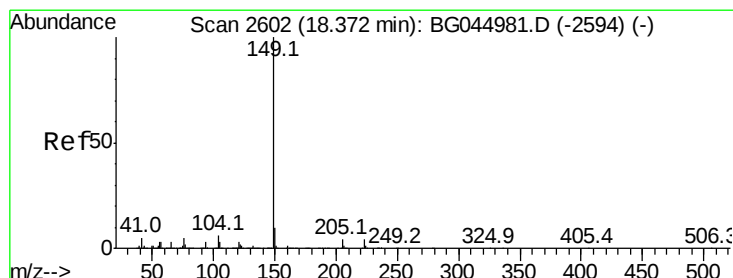
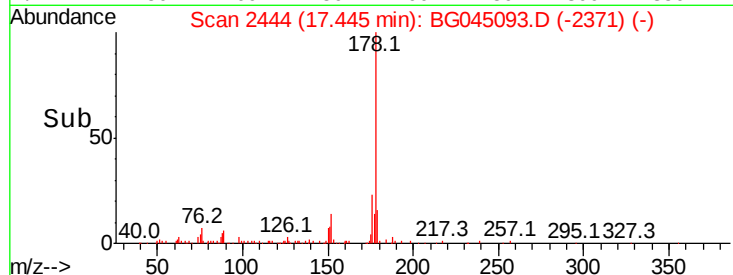
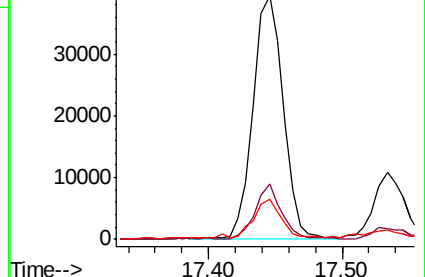
179 16.3 13.6 20.4



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: 18.37 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

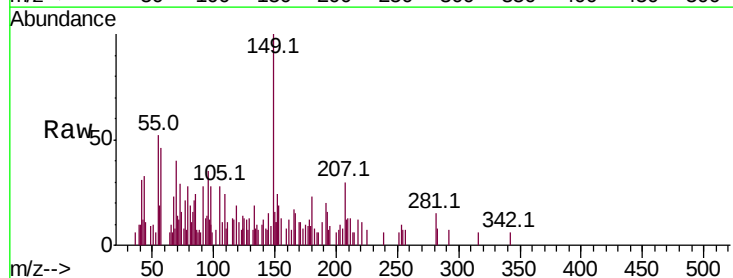
Tgt Ion:149 Resp: 3878

Ion Ratio Lower Upper

149 100

150 16.3 8.2 12.2#

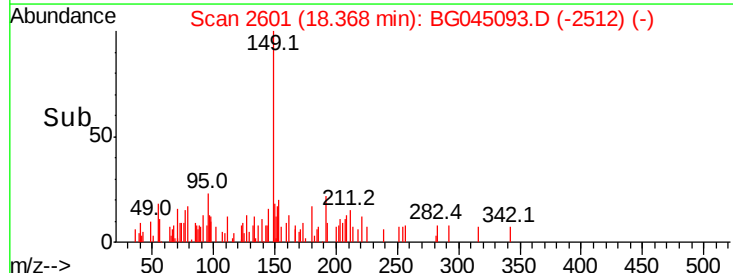
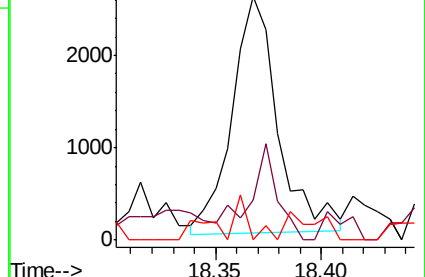
104 0.0 4.8 7.2#

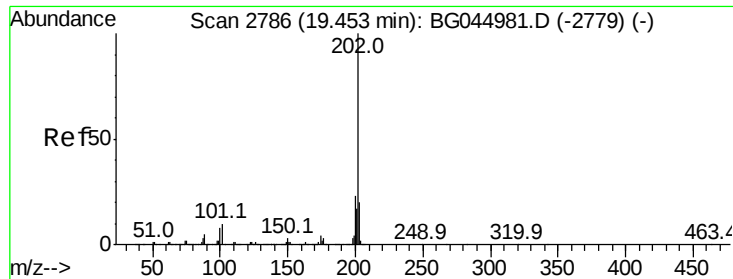


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

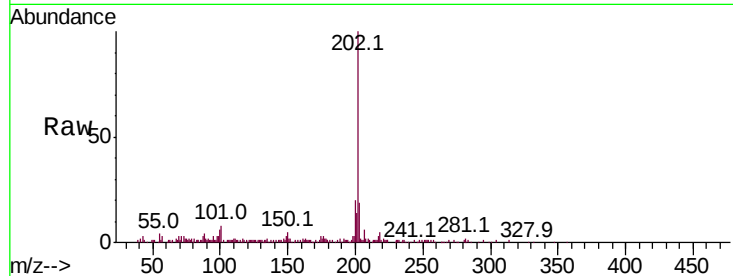
Tot Ion:202 Resp: 66432

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.6

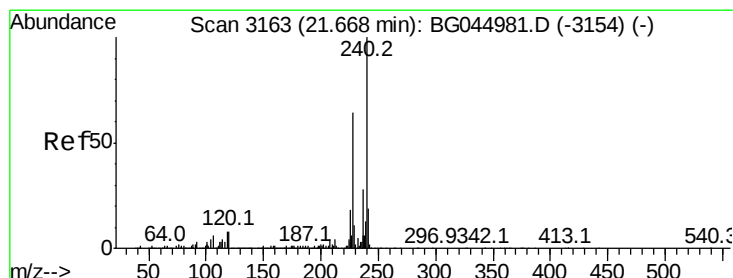
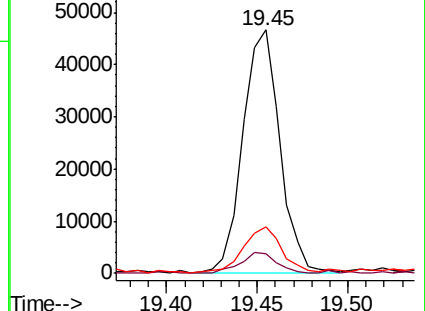
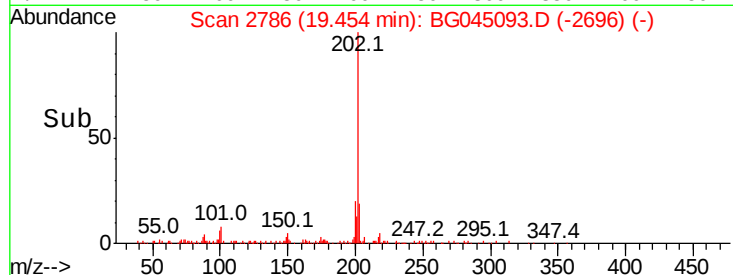
203 19.3 0.0 39.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

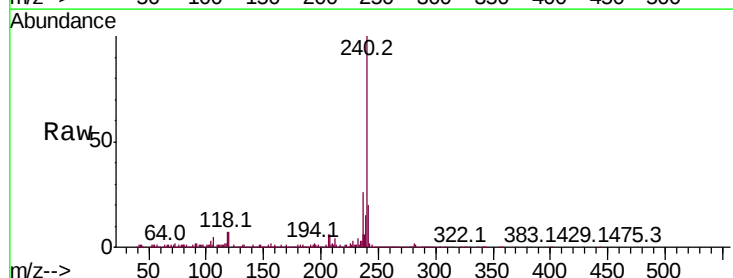
Tgt Ion:240 Resp: 465175

Ion Ratio Lower Upper

240 100

120 6.6 6.6 10.0#

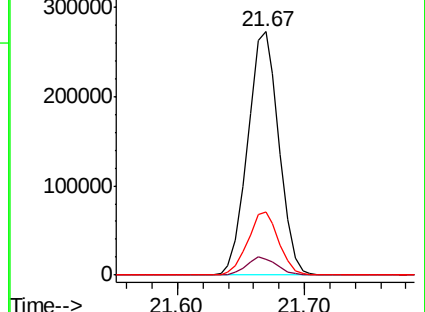
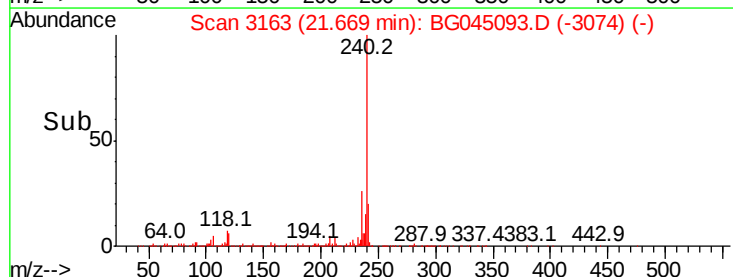
236 25.9 22.2 33.2

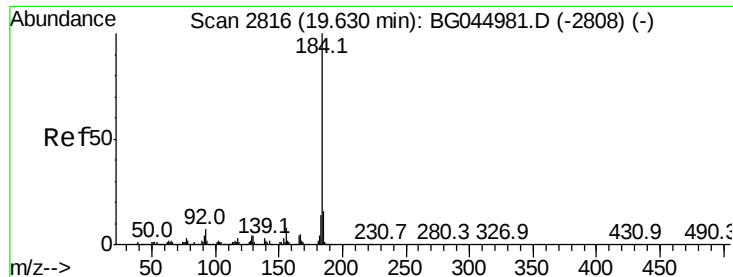


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.02 min Scan# 2882

Delta R.T. 0.39 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

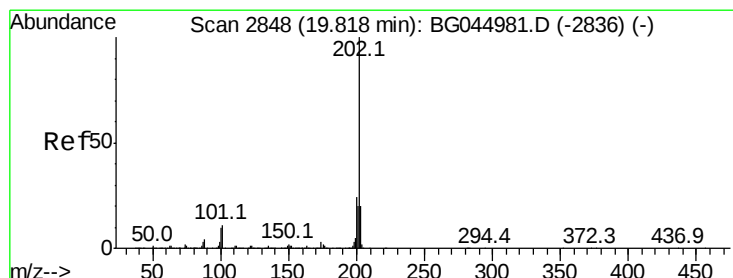
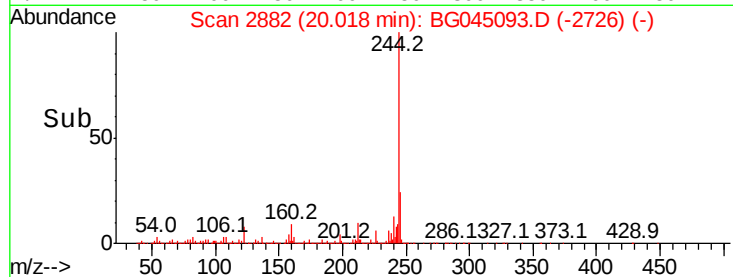
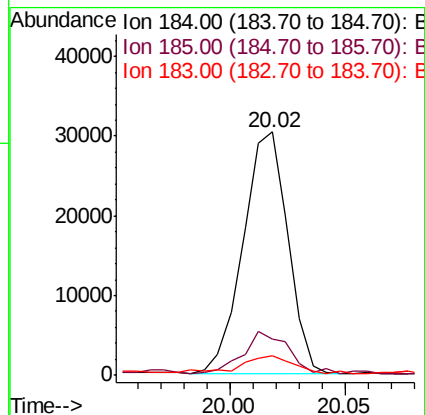
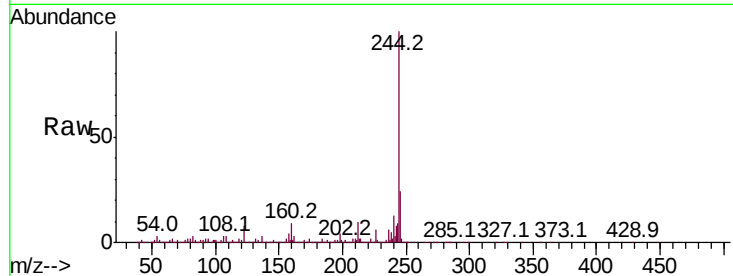
Tot Ion:184 Resp: 41035

Ion Ratio Lower Upper

184 100

185 14.7 12.6 19.0

183 8.0 11.3 16.9#



#78

Pyrene

Concen: 2.502 ng

RT: 19.81 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

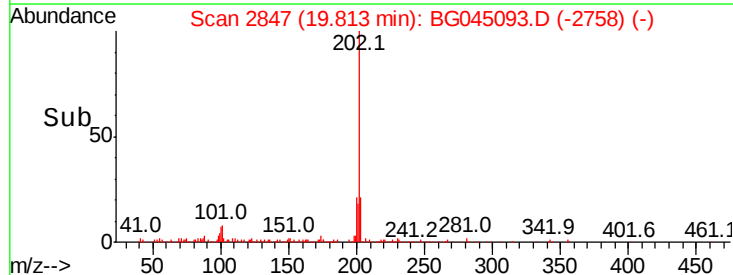
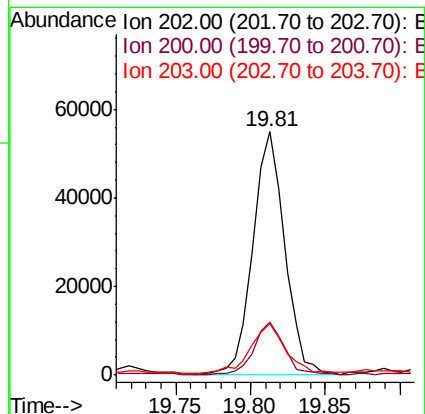
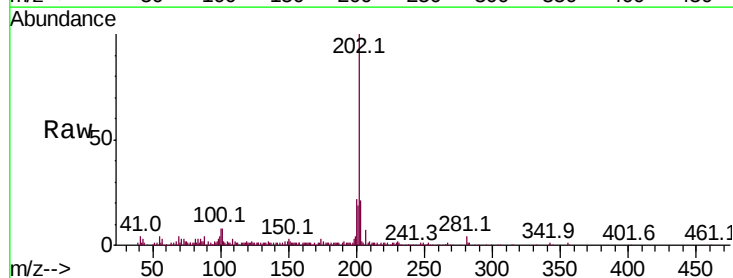
Tgt Ion:202 Resp: 80245

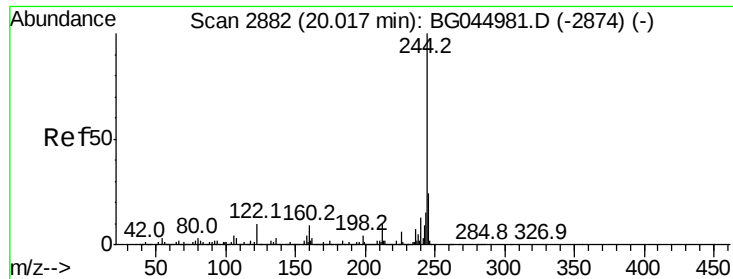
Ion Ratio Lower Upper

202 100

200 21.6 19.0 28.6

203 21.3 16.1 24.1





#79

Terphenyl-d14

Concen: 96.108 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

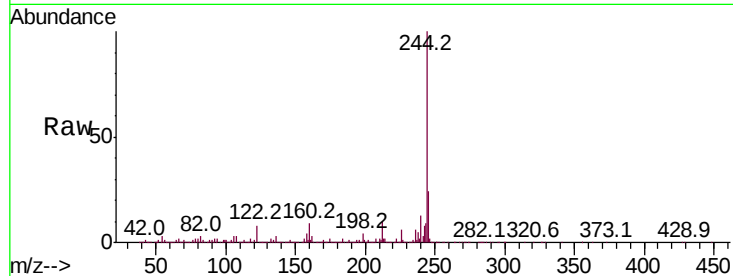
Tot Ion:244 Resp: 2051195

Ion Ratio Lower Upper

244 100

212 10.0 7.9 11.9

122 8.5 7.7 11.5

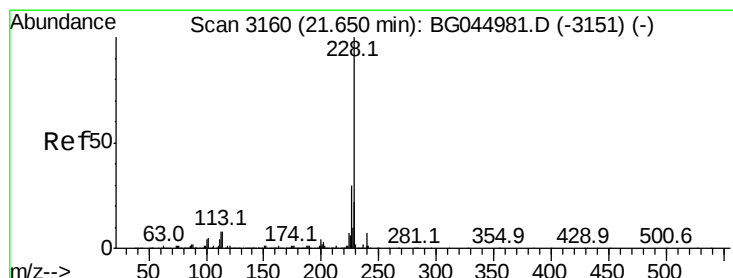
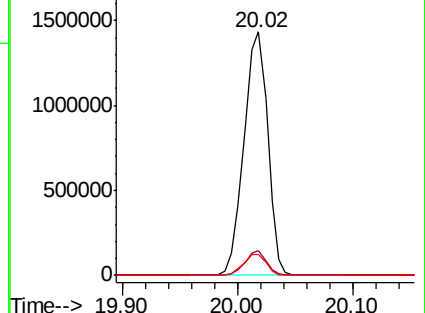
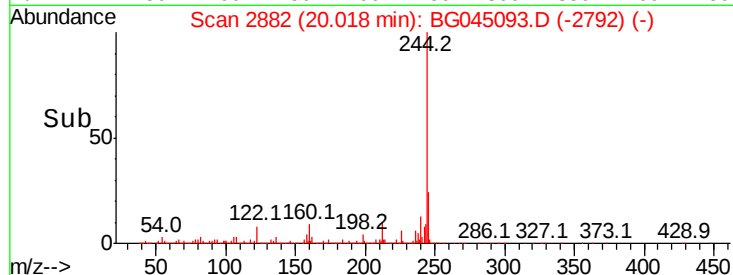


Abundance

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: 2.080 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

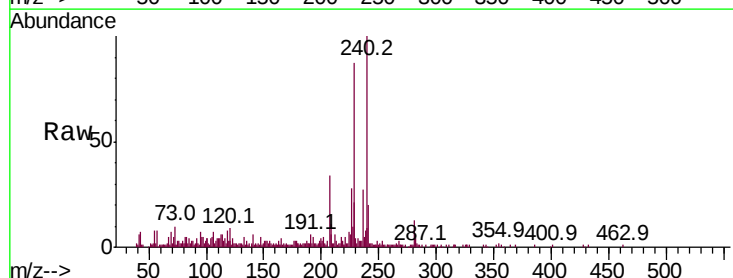
Tgt Ion:228 Resp: 62710

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

229 24.3 17.5 26.3

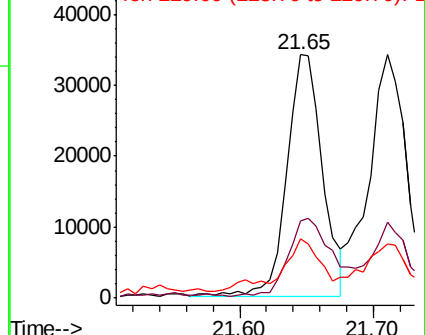
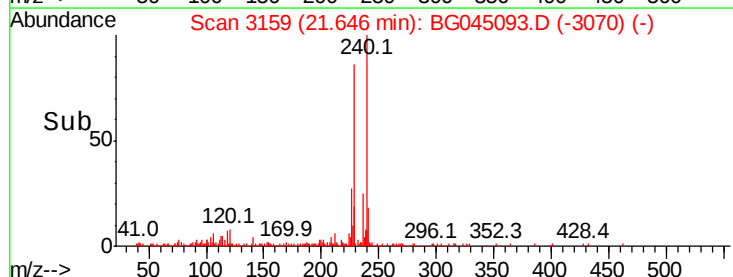


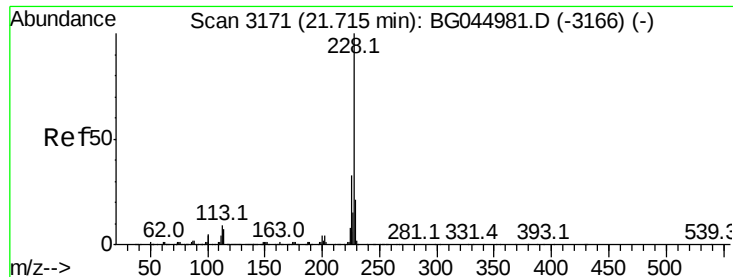
Abundance

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: 2.294 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

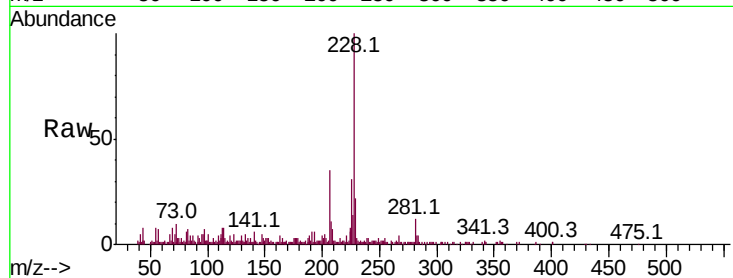
Tot Ion:228 Resp: 66442

Ion Ratio Lower Upper

228 100

226 31.2 26.2 39.4

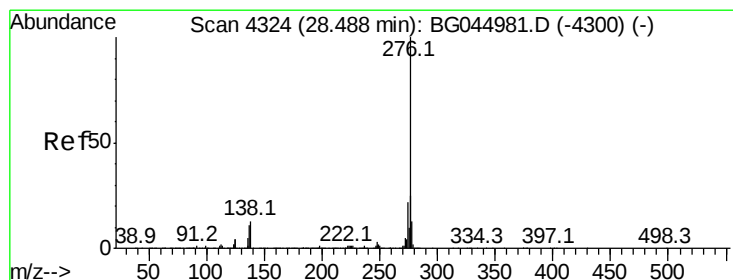
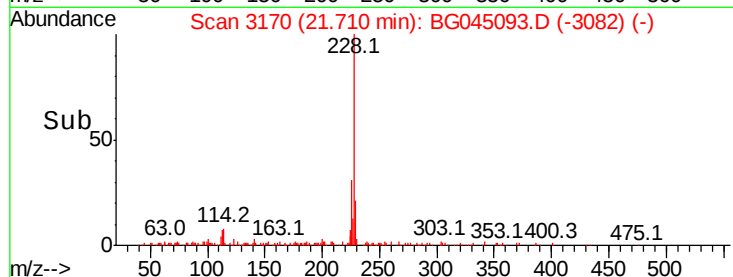
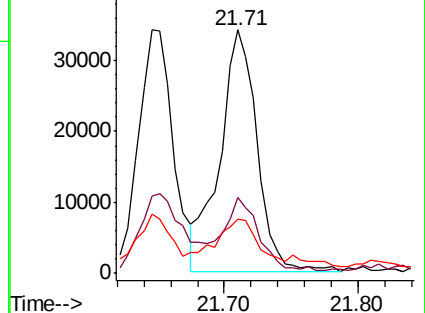
229 22.2 17.0 25.6



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: 2.023 ng

RT: 28.48 min Scan# 4323

Delta R.T. -0.02 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

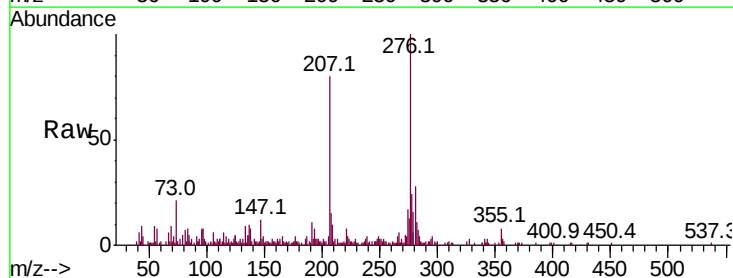
Tgt Ion:276 Resp: 77823

Ion Ratio Lower Upper

276 100

138 0.0 9.6 14.4#

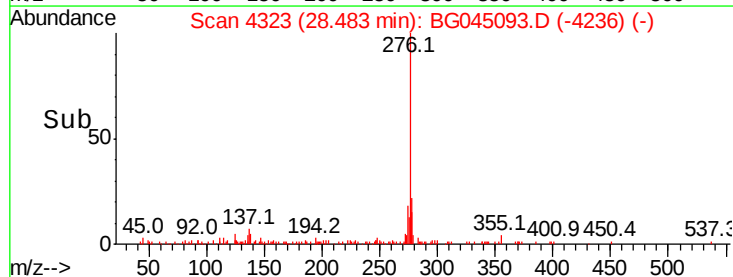
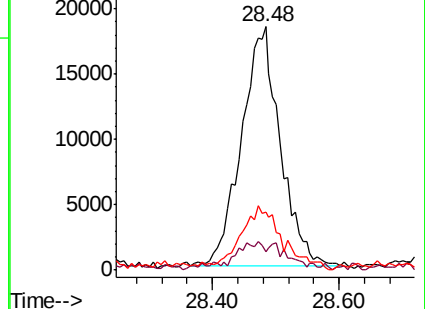
277 28.7 20.6 31.0

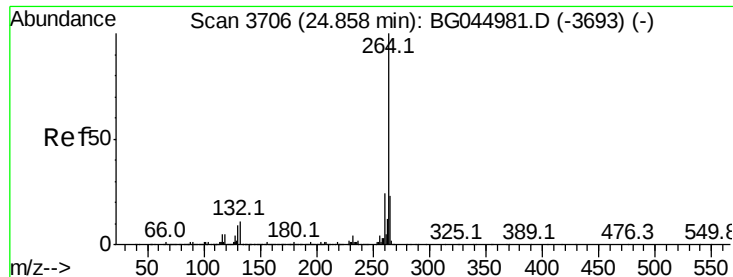


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

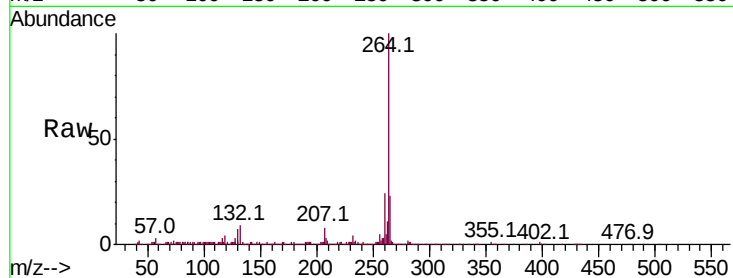
Tot Ion:264 Resp: 510011

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.6 19.0 28.4

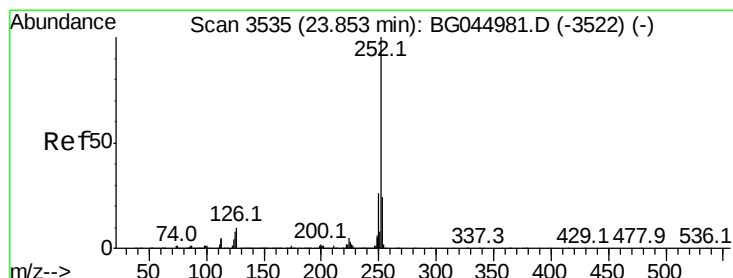
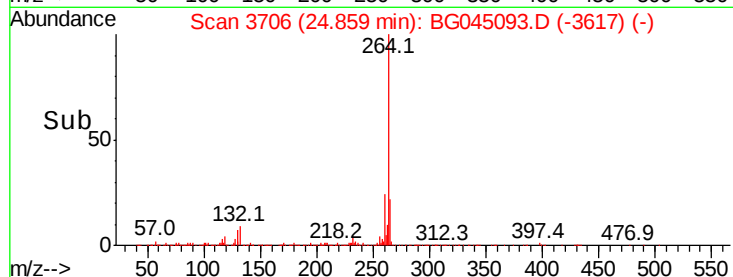
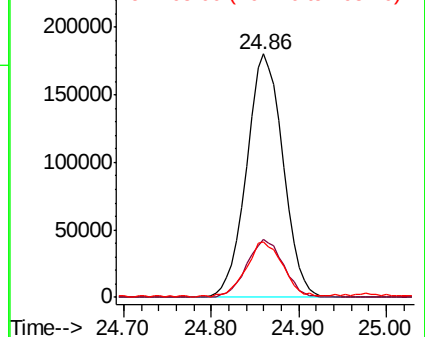


Abundance

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: 4.047 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

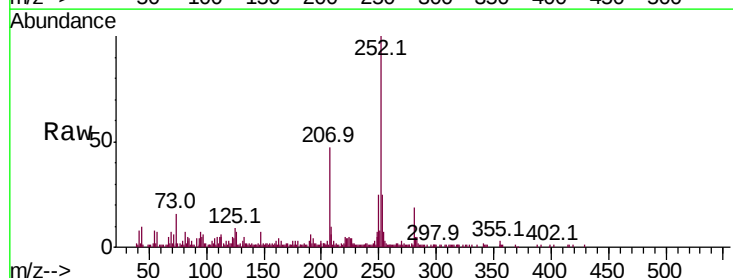
Tgt Ion:252 Resp: 129291

Ion Ratio Lower Upper

252 100

253 24.8 18.8 28.2

125 9.0 6.2 9.4

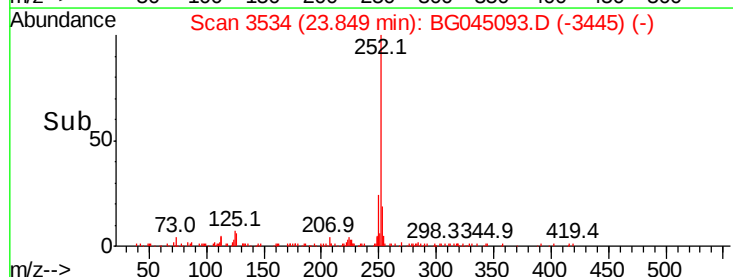
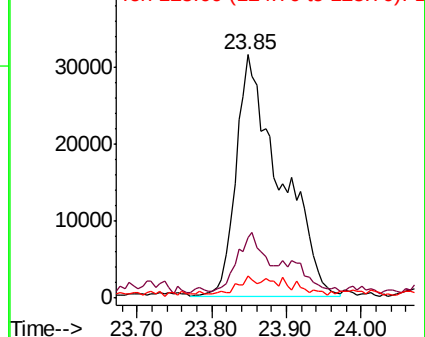


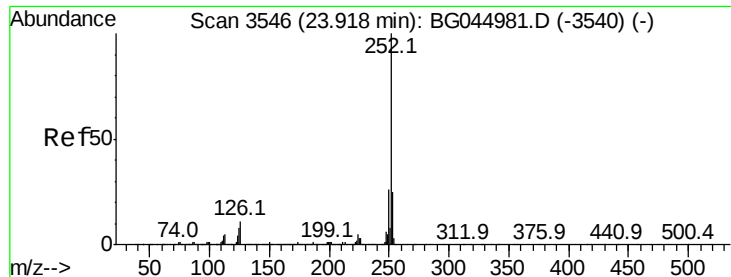
Abundance

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: 4.256 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.08 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

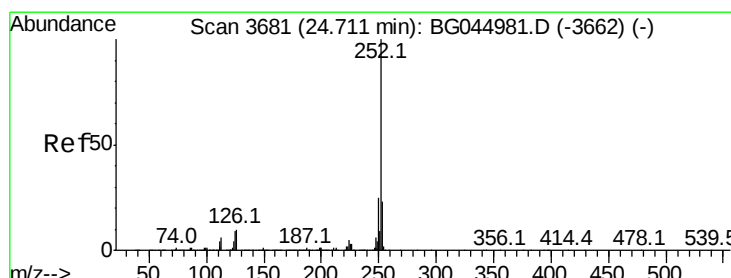
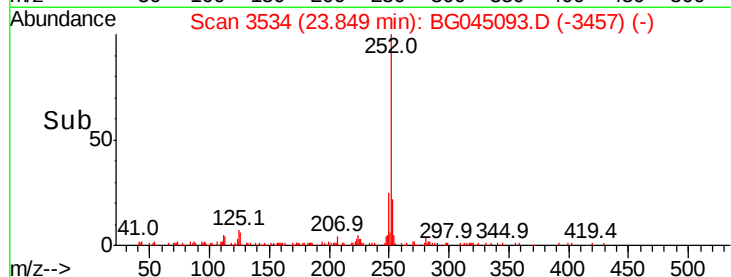
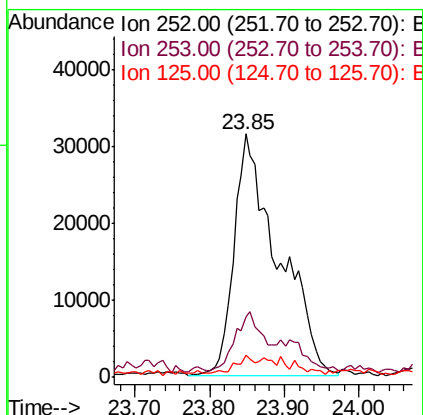
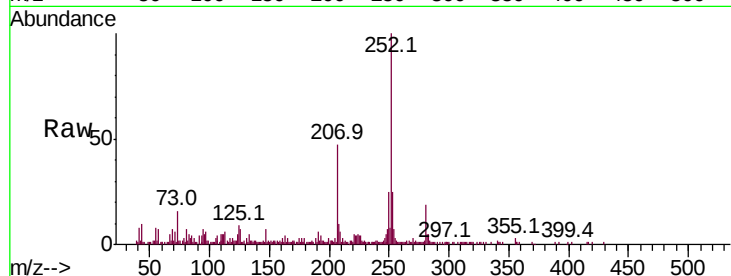
Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

Tot Ion:252	Resp:	129291
Ion Ratio	Lower	Upper
252	100	
253	24.8	19.2 28.8
125	9.0	5.9 8.9#



#90

Benzo(a)pyrene

Concen: 2.581 ng

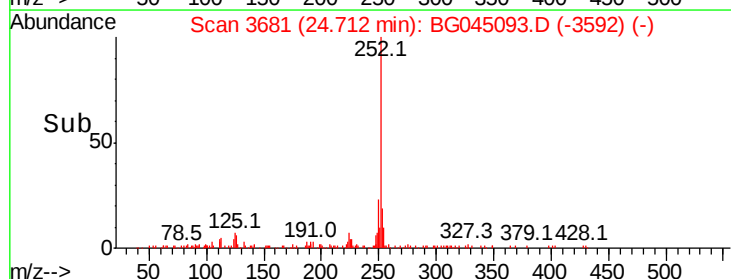
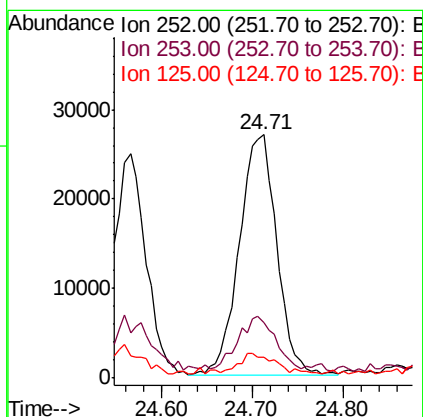
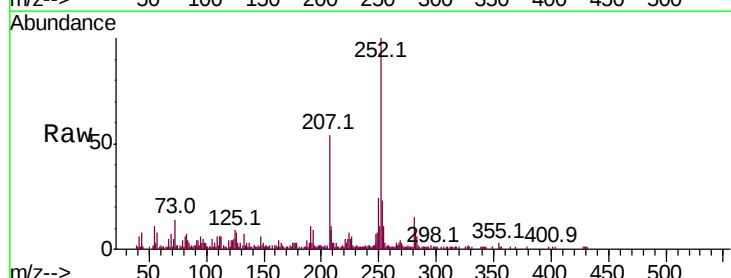
RT: 24.71 min Scan# 3681

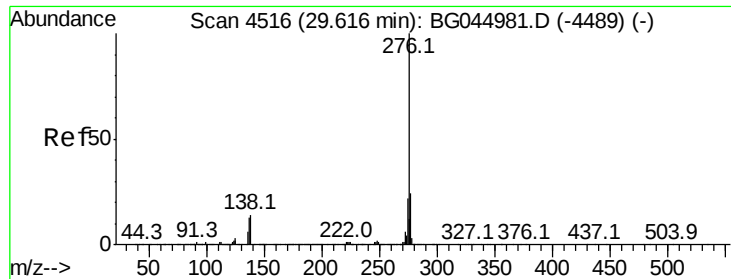
Delta R.T. -0.01 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Tgt Ion:252	Resp:	77862
Ion Ratio	Lower	Upper
252	100	
253	23.0	18.3 27.5
125	8.6	7.0 10.6





#92

Benzo(a,h,i)perylene

Concen: 2.839 ng

RT: 29.60 min Scan# 4513

Delta R.T. -0.04 min

Lab File: BG045093.D

Acq: 20 Apr 2020 13:06

Instrument :

BNA_G

ClientSampleId :

TP-19-COMP

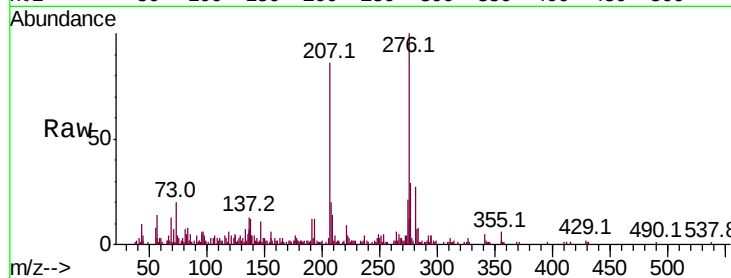
Tot Ion:276 Resp: 86512

Ion Ratio Lower Upper

276 100

277 29.3 19.3 28.9#

138 12.3 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

