

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061720\
 Data File : BG045787.D
 Acq On : 17 Jun 2020 12:44
 Operator : CG/JU
 Sample : L2973-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212RE

Quant Time: Jun 17 13:22:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	64528	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	266095	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	177087	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	374544	20.00	ng	0.00
76) Chrysene-d12	21.58	240	335147	20.00	ng	0.00
86) Perylene-d12	24.71	264	395132	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	18643	4.88	ng	0.00
7) Phenol-d6	7.16	99	126983	21.85	ng	0.00
23) Nitrobenzene-d5	9.08	82	151724	26.05	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	1394	0.52	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	353926	29.37	ng	0.00
79) Terphenyl-d14	19.94	244	524845	31.74	ng	0.00

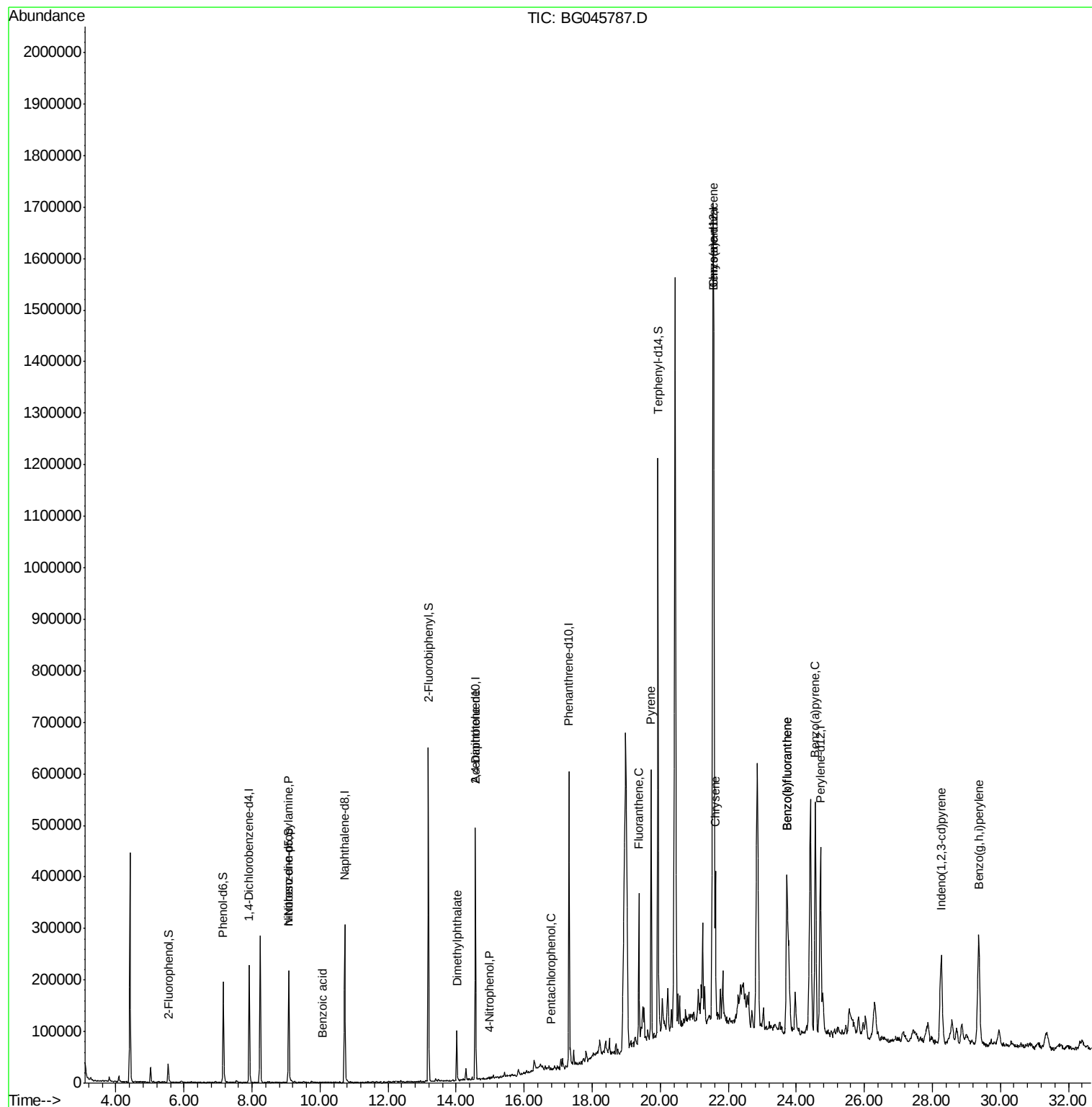
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.08	70	20451	5.354	ng	# 83
32) Benzoic acid	10.09	122	54	8.995	ng	# 1
50) Dimethylphthalate	14.02	163	61785	4.454	ng	98
56) 4-Nitrophenol	14.98	139	151	4.037	ng	# 1
57) 2,4-Dinitrotoluene	14.57	165	23705	5.310	ng	# 25
70) Pentachlorophenol	16.78	266	66	7.656	ng	# 17
75) Fluoranthene	19.37	202	182002	7.662	ng	99
78) Pyrene	19.74	202	341058	15.197	ng	98
81) Benzo(a)anthracene	21.56	228	227859	10.486	ng	# 63
83) Chrysene	21.62	228	210173	10.000	ng	97
87) Indeno(1,2,3-cd)pyrene	28.26	276	311191	10.864	ng	# 96
88) Benzo(b)fluoranthene	23.72	252	420012	16.953	ng	# 98
89) Benzo(k)fluoranthene	23.72	252	420012	17.714	ng	98
90) Benzo(a)pyrene	24.56	252	435413	18.814	ng	98
92) Benzo(a,h,i)perylene	29.36	276	417916	18.177	ng	99

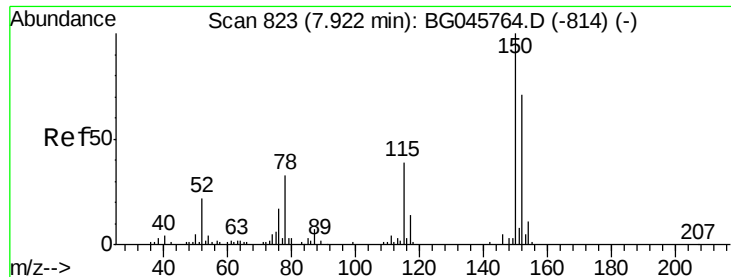
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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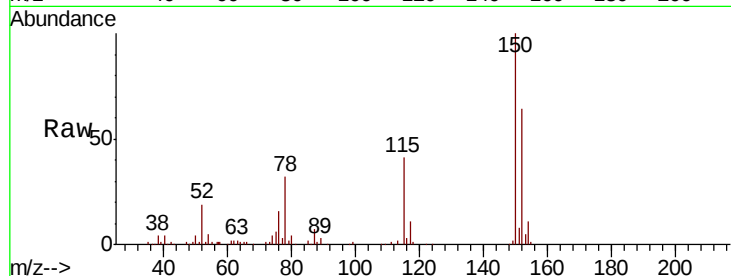


#1

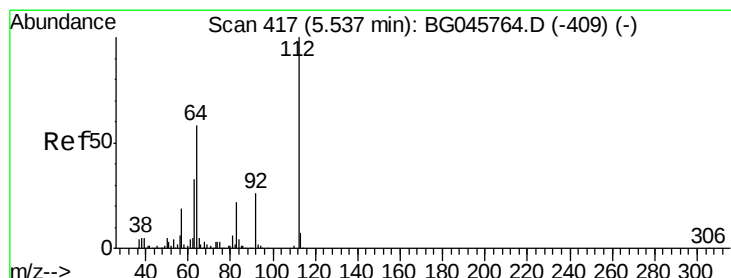
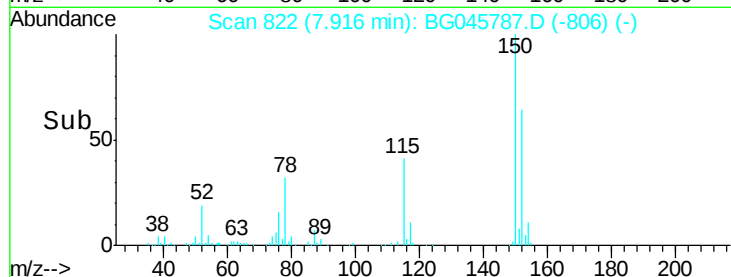
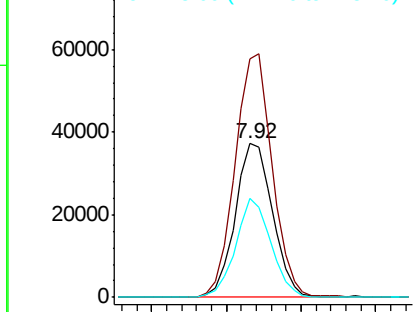
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

Tot Ion	152	Resp	64528
Ion Ratio	Lower	Upper	
152	100		
150	155.7	113.1	169.7
115	64.5	43.8	65.6



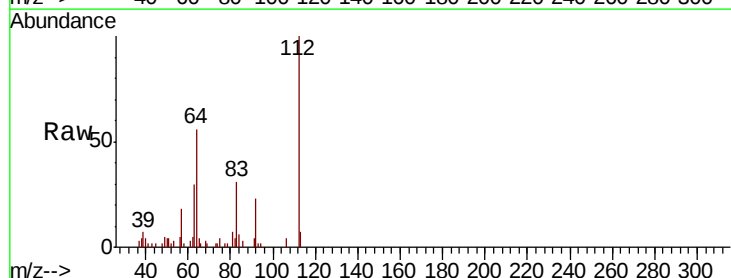
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



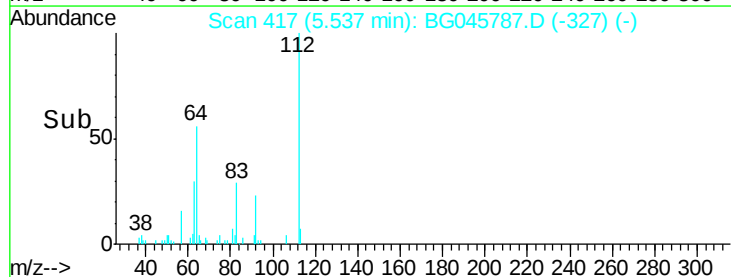
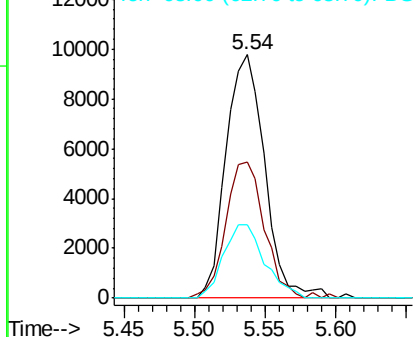
#5

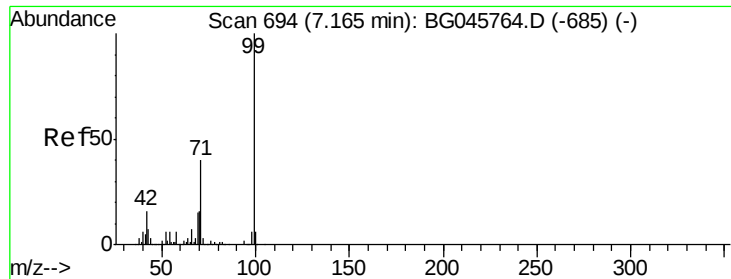
2-Fluorophenol
Concen: 4.880 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Tgt Ion	112	Resp	18643
Ion Ratio	Lower	Upper	
112	100		
64	55.8	46.6	69.8
63	30.3	26.3	39.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 21.854 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

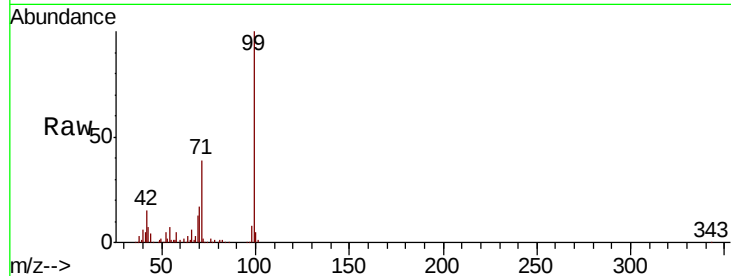
Tot Ion: 99 Resp: 126983

Ion Ratio Lower Upper

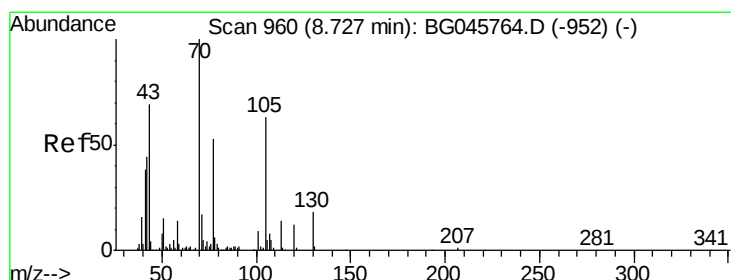
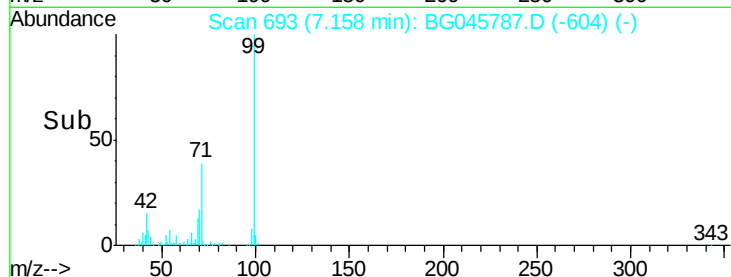
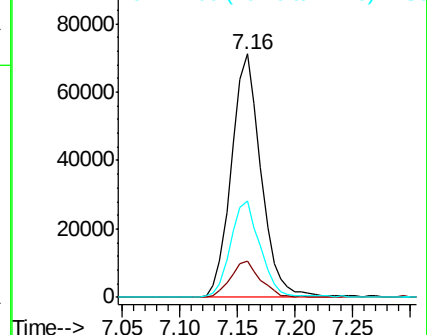
99 100

42 14.8 12.4 18.6

71 39.4 32.1 48.1



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: 5.354 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Tgt Ion: 70 Resp: 20451

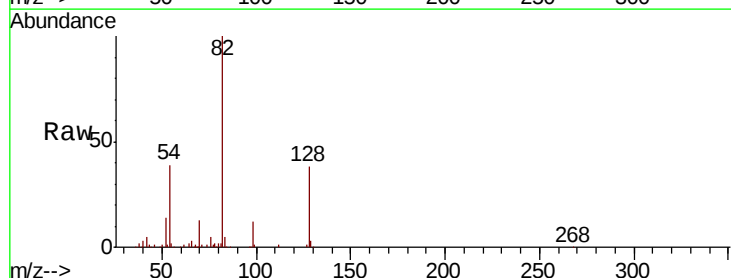
Ion Ratio Lower Upper

70 100

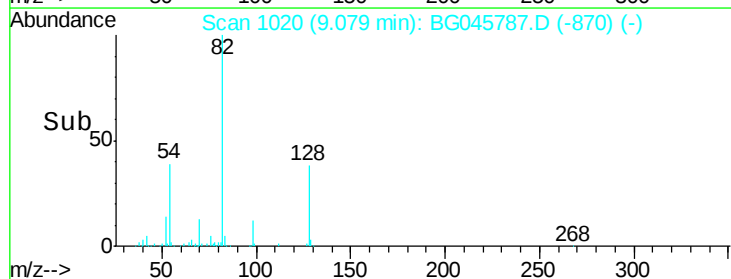
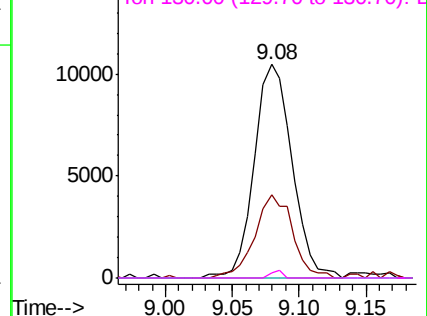
42 38.8 35.1 52.7

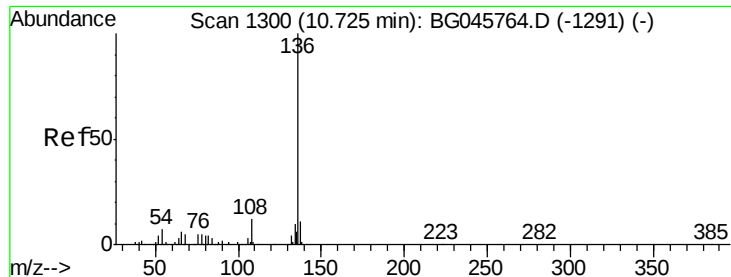
101 0.0 7.4 11.0#

130 2.3 14.6 21.8#



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

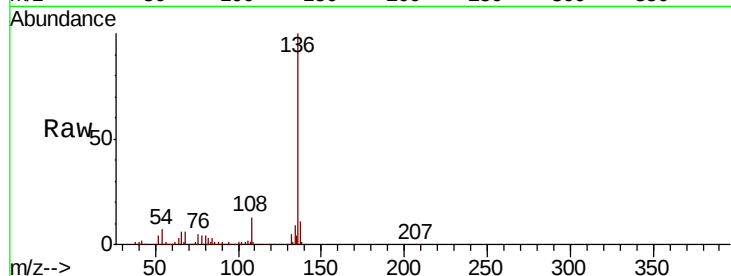




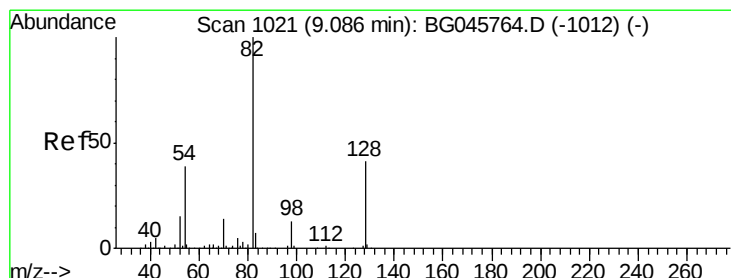
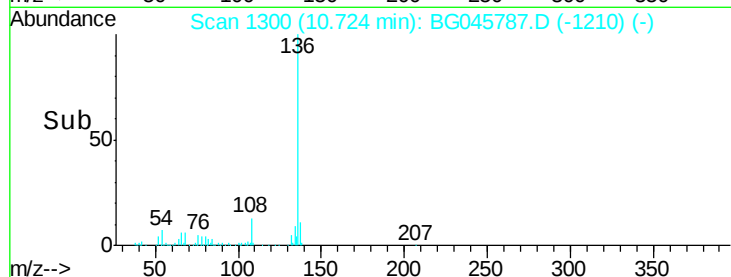
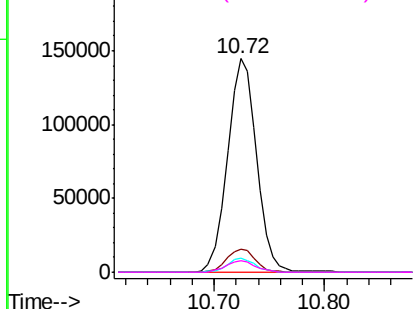
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212RE

Tot Ion:136	Resp: 266095
Ion Ratio	Lower Upper
136 100	
137 11.0	8.7 13.1
54 6.6	5.8 8.6
68 5.7	4.0 6.0

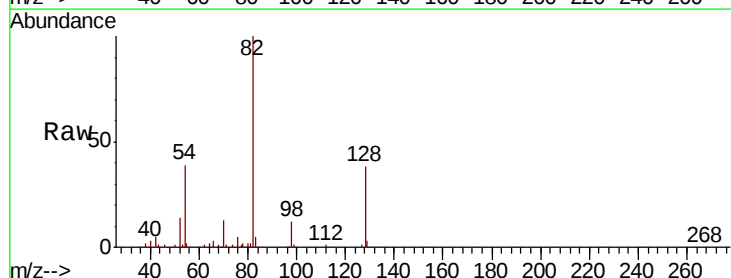


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

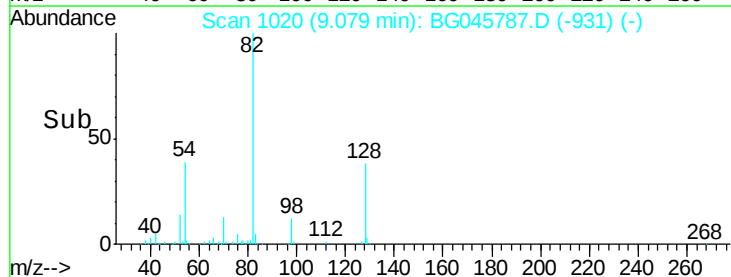
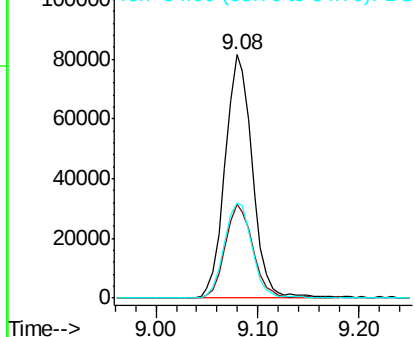


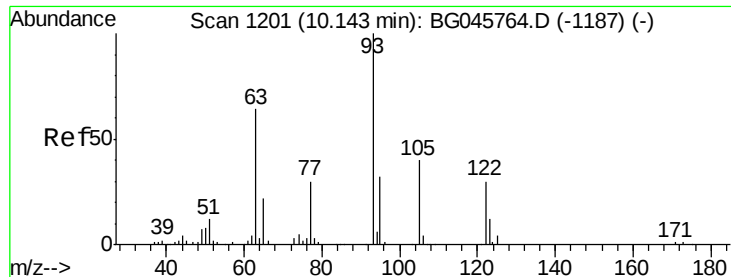
#23
Nitrobenzene-d5
Concen: 26.048 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045787.D
Acq: 17 Jun 2020 12:44

Tgt Ion: 82	Resp: 151724
Ion Ratio	Lower Upper
82 100	
128 38.4	32.5 48.7
54 39.0	31.2 46.8



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: 8.995 ng

RT: 10.09 min Scan# 1192

Delta R.T. -0.05 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

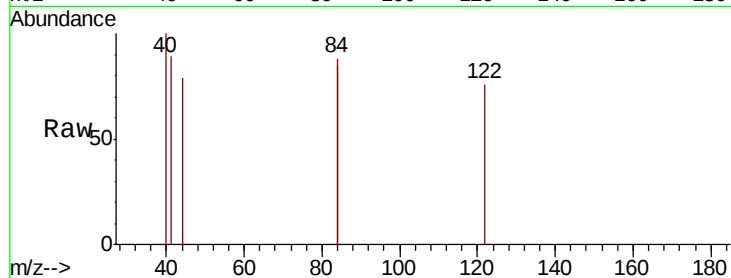
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 112.9 152.9#

77 0.0 79.2 119.2#



Abundance Ion 122.00 (121.70 to 122.70): E

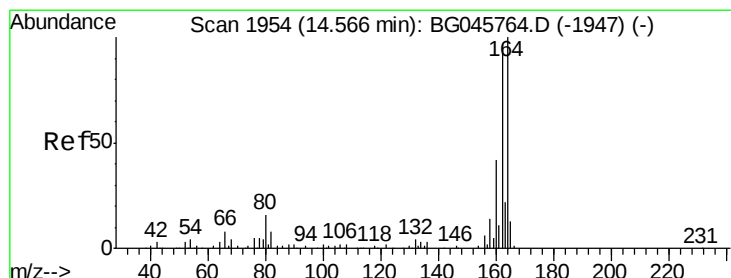
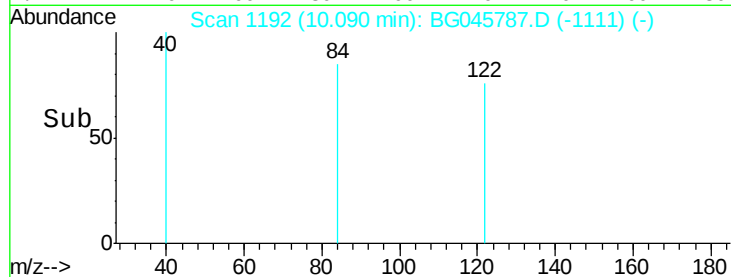
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E

10.09

10.10

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

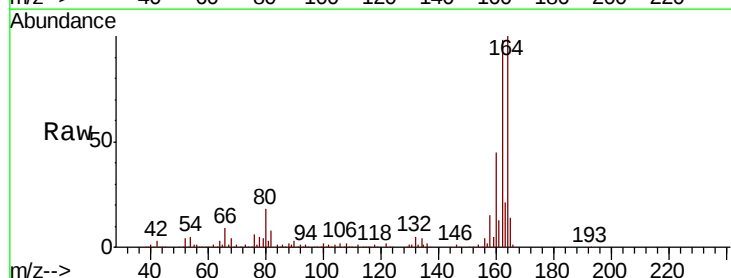
Tgt Ion:164 Resp: 177087

Ion Ratio Lower Upper

164 100

162 98.3 77.4 116.0

160 44.6 33.3 49.9



Abundance Ion 164.00 (163.70 to 164.70): E

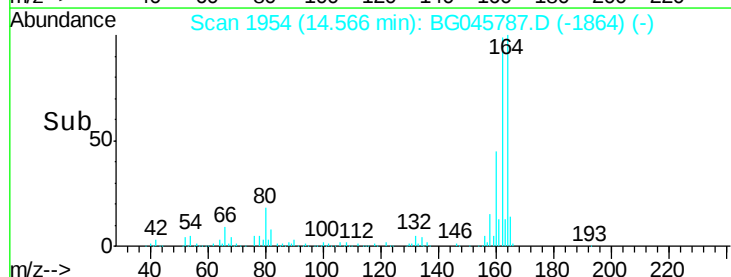
Ion 162.00 (161.70 to 162.70): E

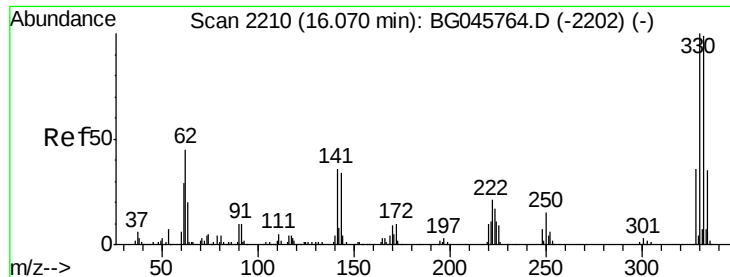
Ion 160.00 (159.70 to 160.70): E

14.57

14.60

Time-->

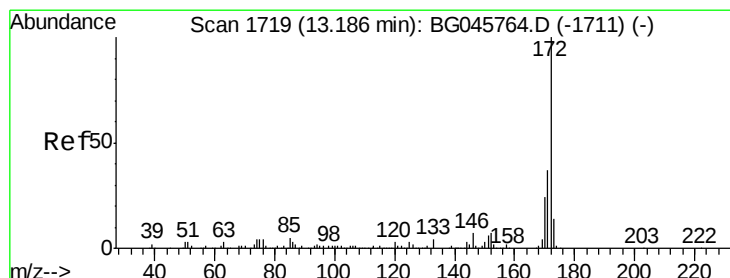
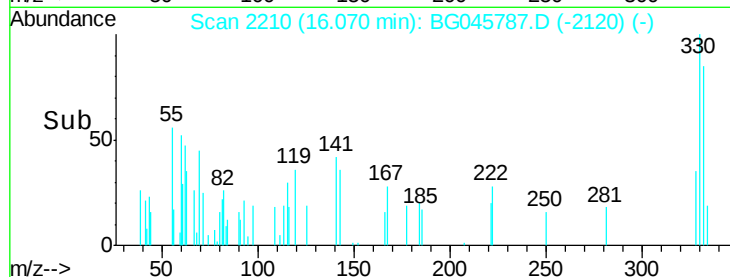
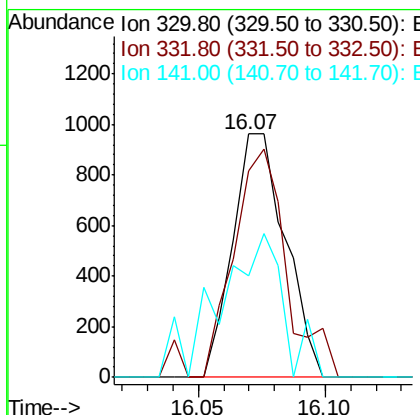
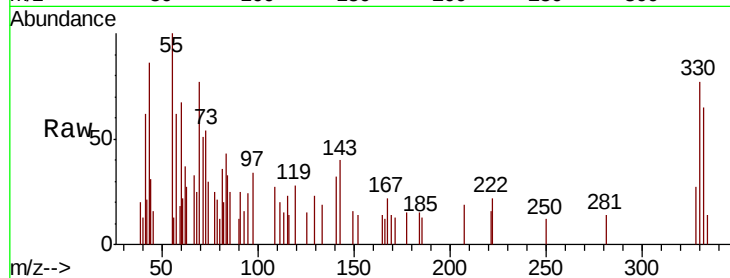




#42
 2,4,6-Tribromophenol
 Concen: 0.521 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

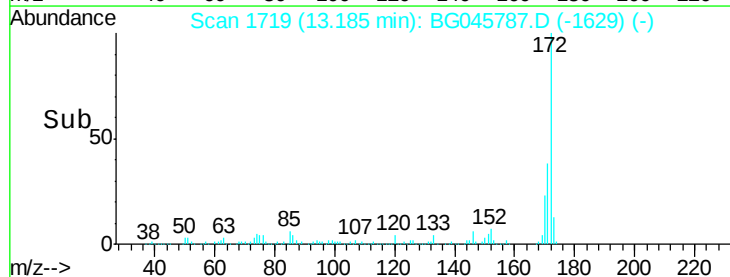
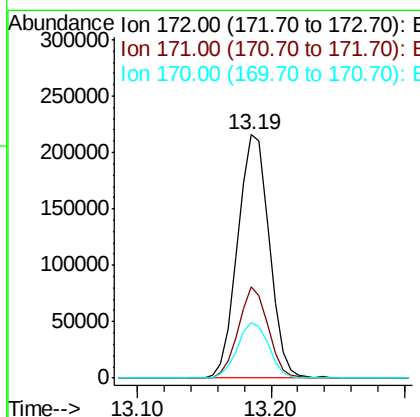
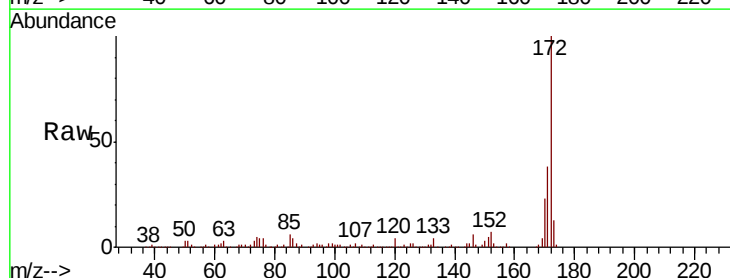
Instrument :
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 RL-356-RL-212RE

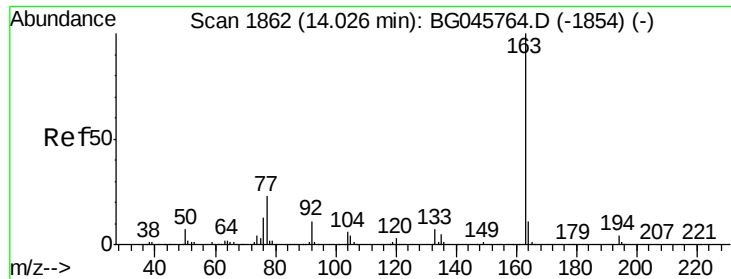
Tot Ion:330 Resp: 1394
 Ion Ratio Lower Upper
 330 100
 332 93.5 78.6 117.8
 141 73.0 28.2 42.4#



#45
 2-Fluorobiphenyl
 Concen: 29.371 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

Tgt Ion:172 Resp: 353926
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.9 44.9
 170 22.7 19.3 28.9





#50

Dimethylphthalate

Concen: 4.454 ng

RT: 14.02 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

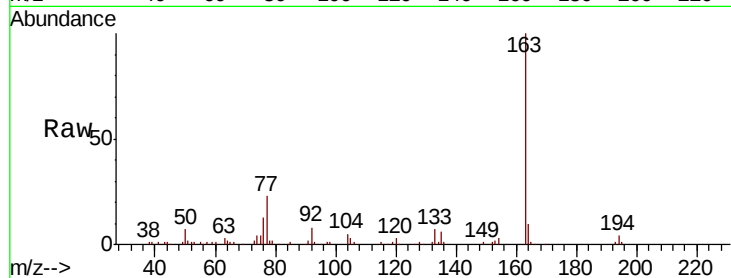
Tot Ion:163 Resp: 61785

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

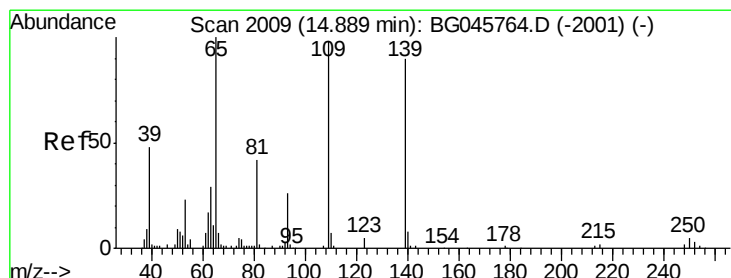
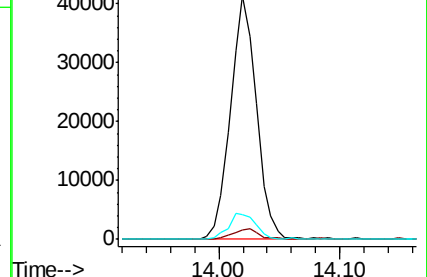
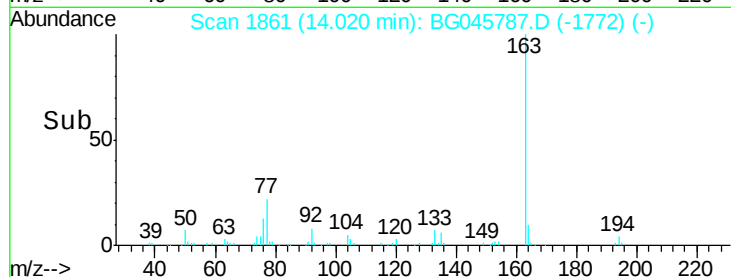
164 10.1 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

4-Nitrophenol

Concen: 4.037 ng

RT: 14.98 min Scan# 2024

Delta R.T. 0.09 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

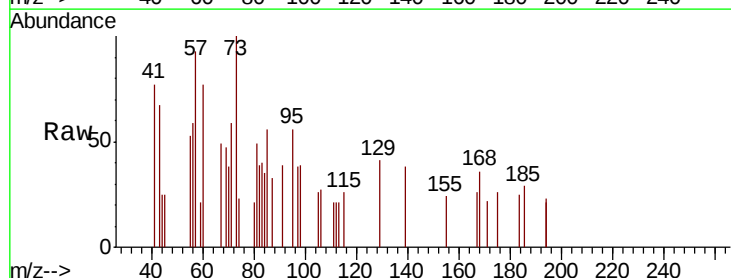
Tgt Ion:139 Resp: 151

Ion Ratio Lower Upper

139 100

109 0.0 88.9 128.9#

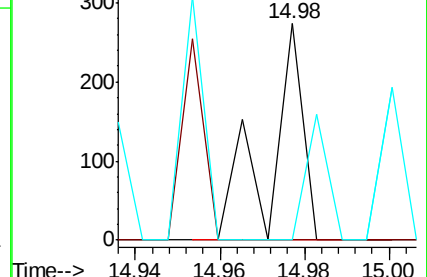
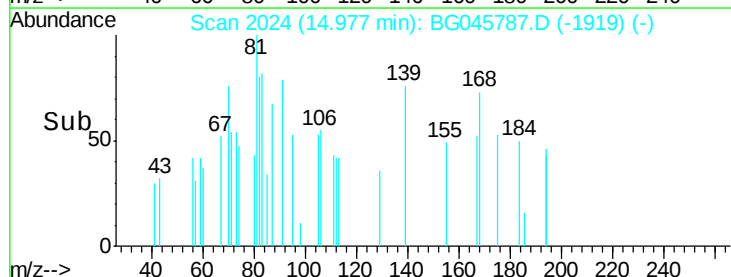
65 0.0 92.3 132.3#

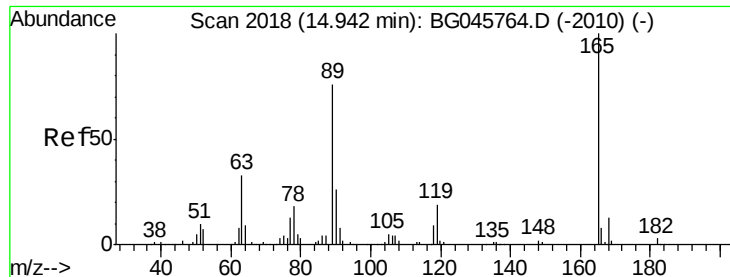


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

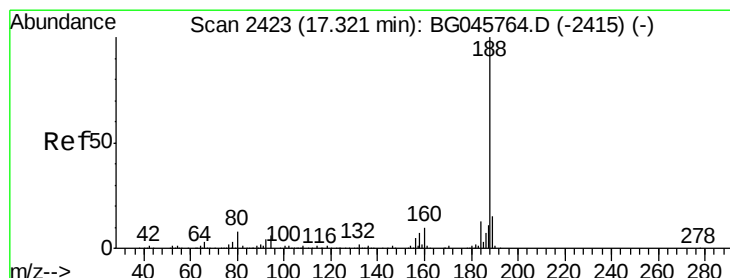
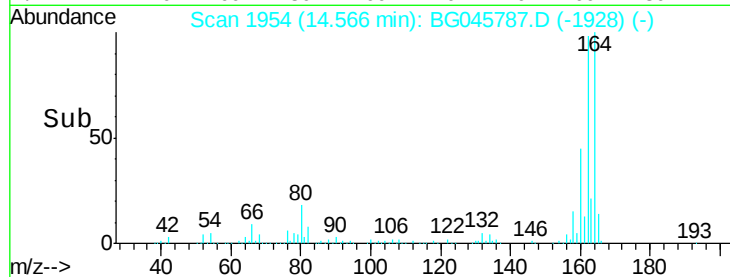
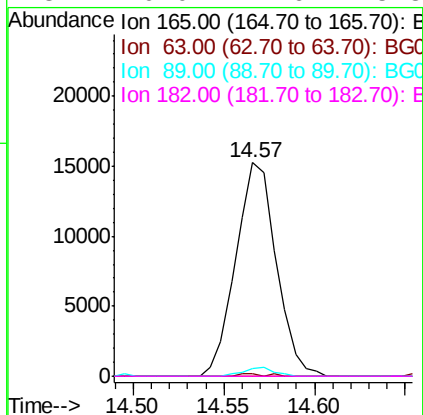
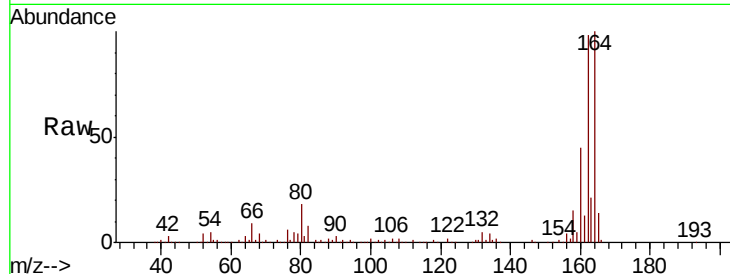




#57
 2,4-Dinitrotoluene
 Concen: 5.310 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

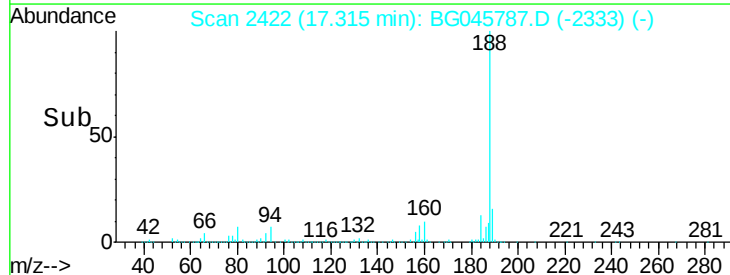
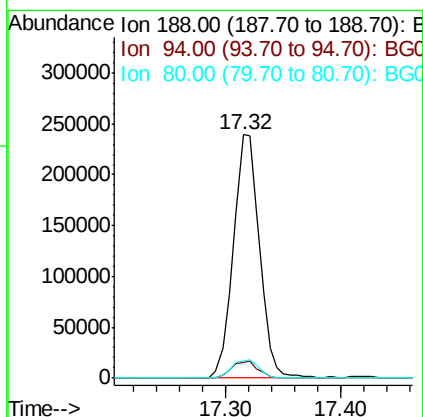
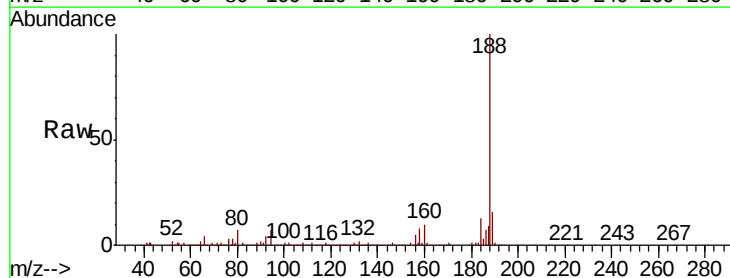
Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212RE

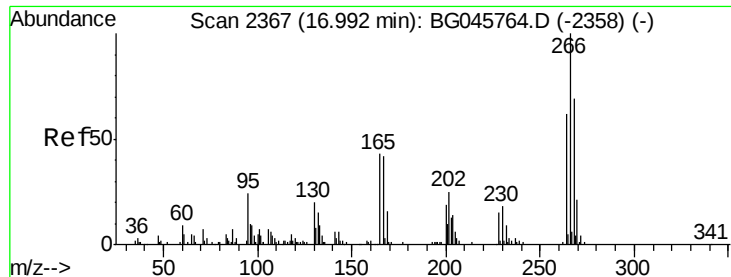
Tot Ion:165	Resp:	23705
Ion Ratio	Lower	Upper
165 100		
63 1.0	33.8	50.8#
89 3.7	60.4	90.6#
182 0.0	2.6	3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

Tgt Ion	Ion:188	Resp:	374544
	Ratio	Lower	Upper
188	100		
94	6.7	5.1	7.7
80	7.2	6.2	9.4

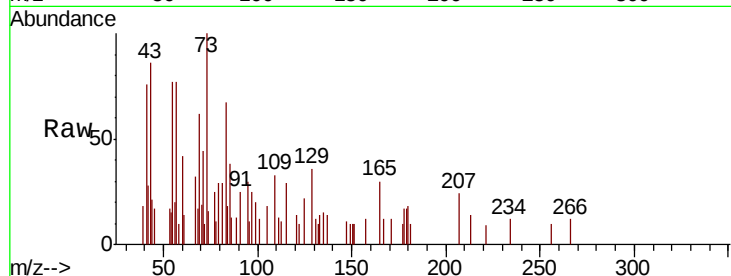




#70
 Pentachlorophenol
 Concen: 7.656 ng
 RT: 16.78 min Scan# 2331
 Delta R.T. -0.21 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

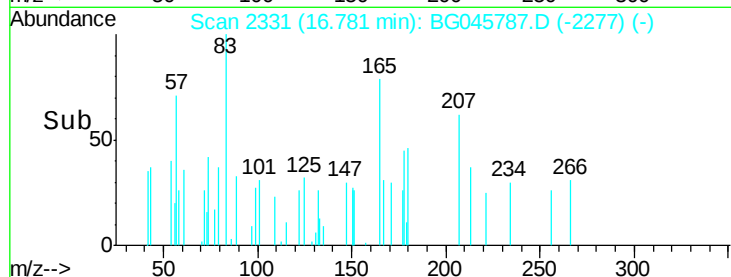
Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212RE

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	55.4	83.0#
264	0.0	49.8	74.6#

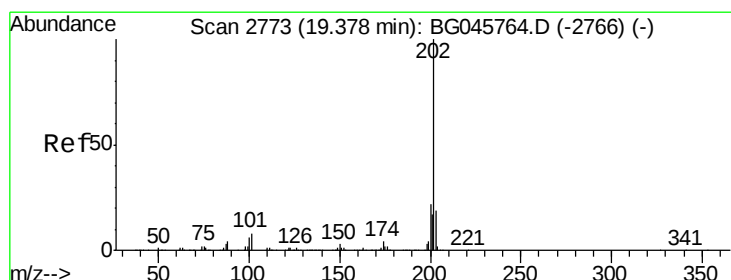


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

16.78

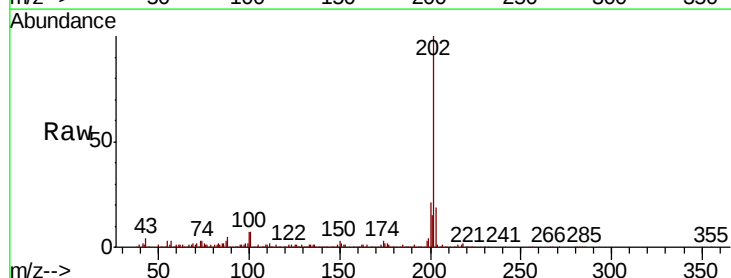


Time--> 16.76 16.78



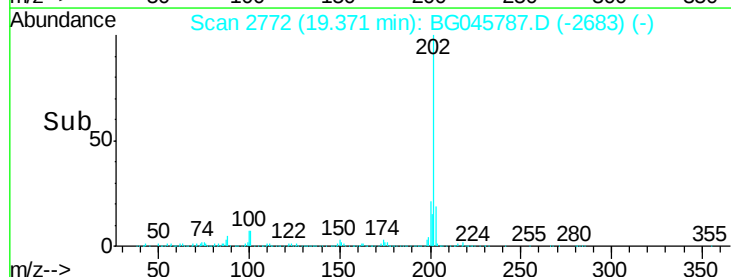
#75
 Fluoranthene
 Concen: 7.662 ng
 RT: 19.37 min Scan# 2772
 Delta R.T. -0.01 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	27.7
203	18.6	0.0	38.7

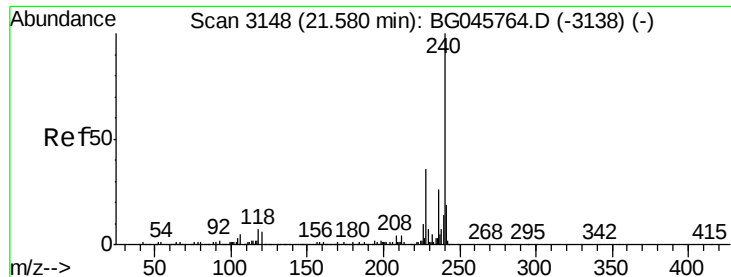


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

19.37



Time--> 19.30 19.35 19.40



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

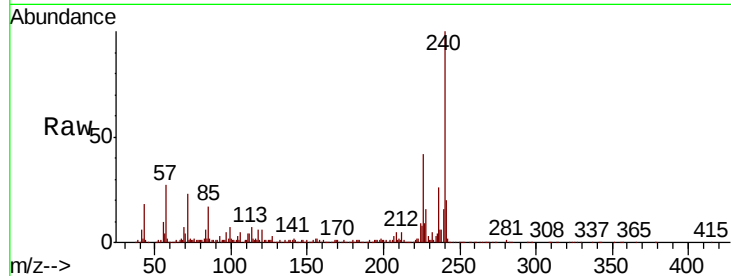
Tot Ion:240 Resp: 335147

Ion Ratio Lower Upper

240 100

120 6.2 5.0 7.4

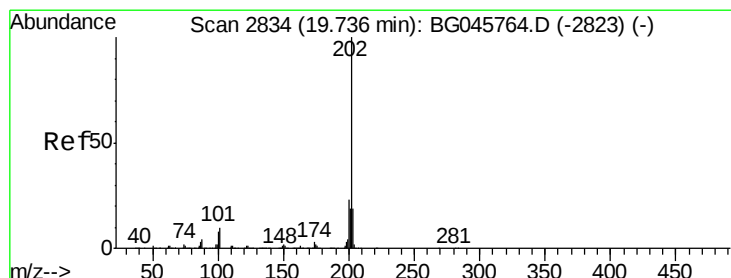
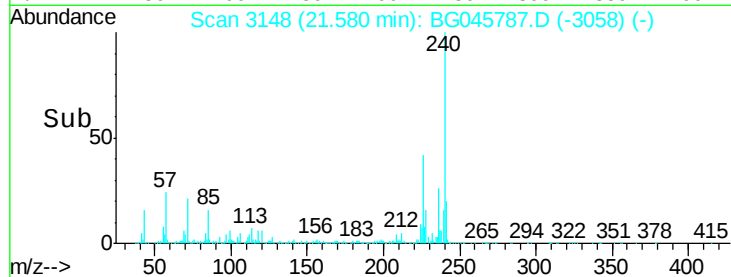
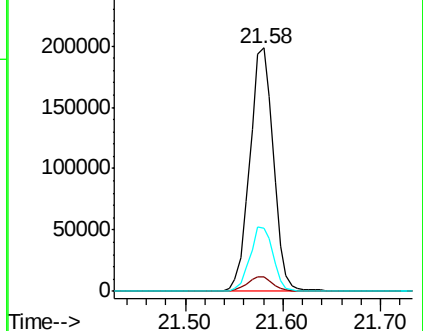
236 25.8 20.6 30.8



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



#78

Pyrene

Concen: 15.197 ng

RT: 19.74 min Scan# 2834

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

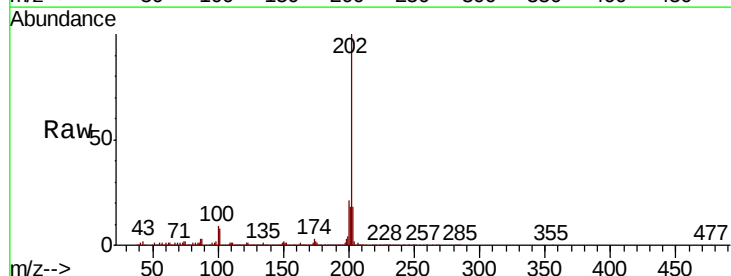
Tgt Ion:202 Resp: 341058

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.2

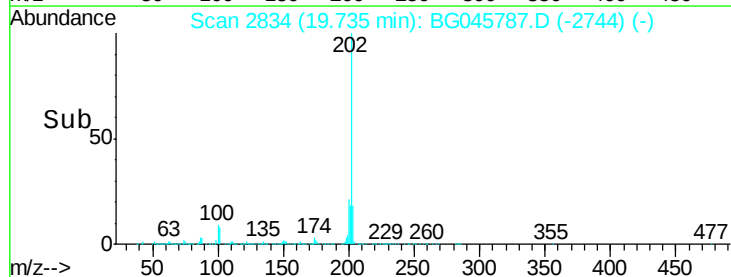
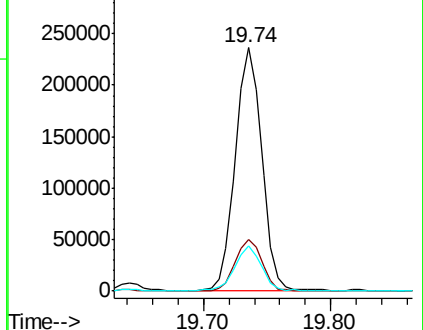
203 18.5 14.8 22.2

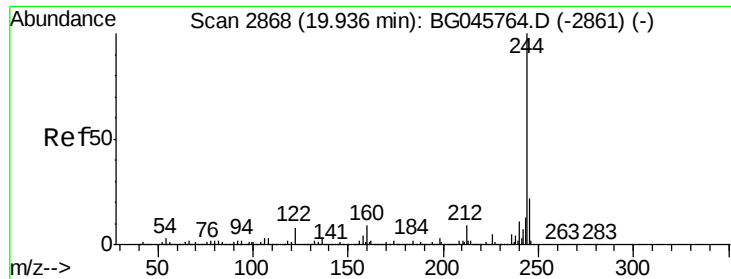


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 31.737 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

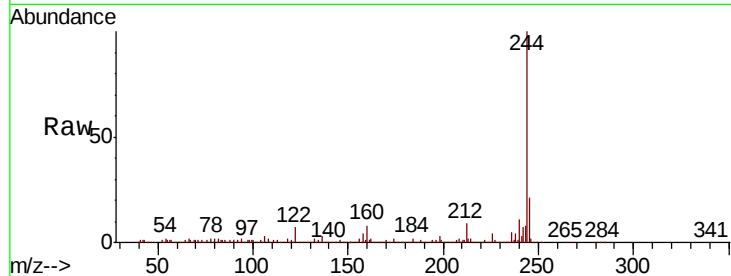
Tot Ion:244 Resp: 524845

Ion Ratio Lower Upper

244 100

212 8.7 7.2 10.8

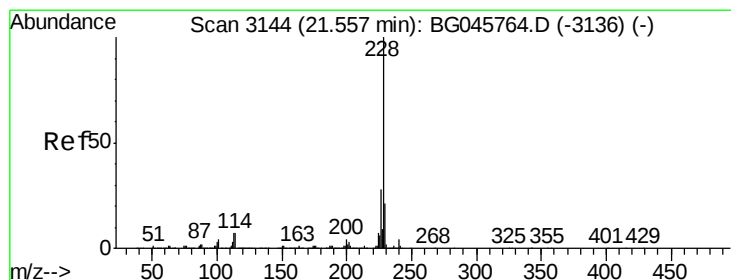
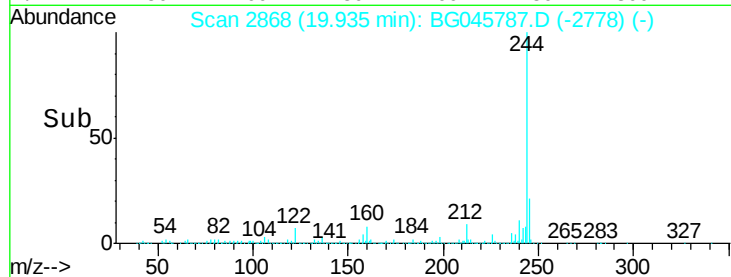
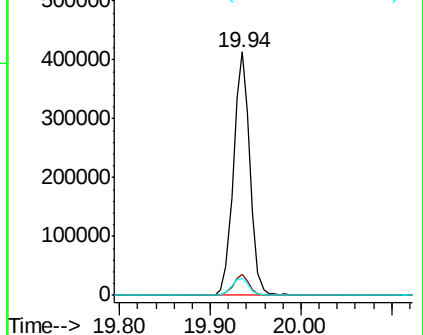
122 6.9 6.4 9.6



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: 10.486 ng

RT: 21.56 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

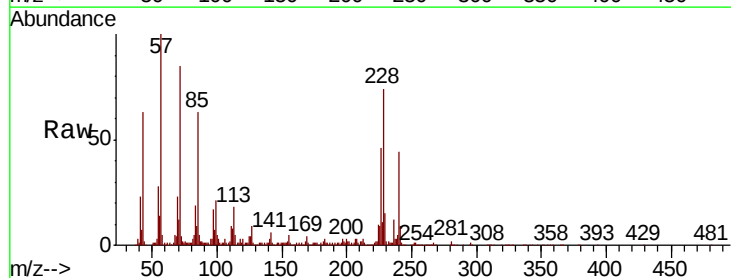
Tgt Ion:228 Resp: 227859

Ion Ratio Lower Upper

228 100

226 61.8 22.7 34.1#

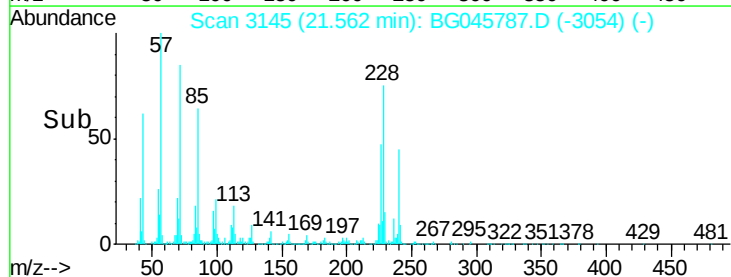
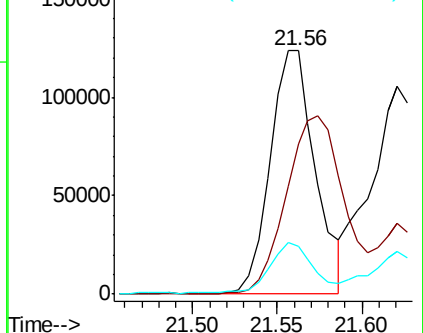
229 19.7 16.6 24.8

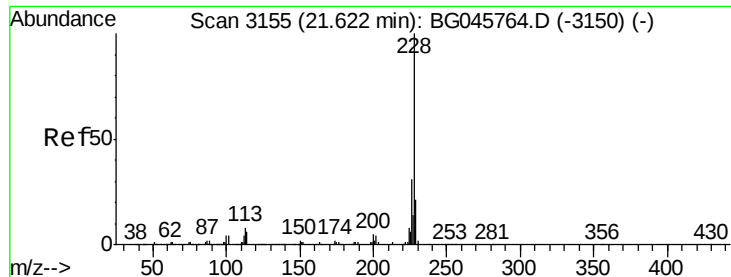


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

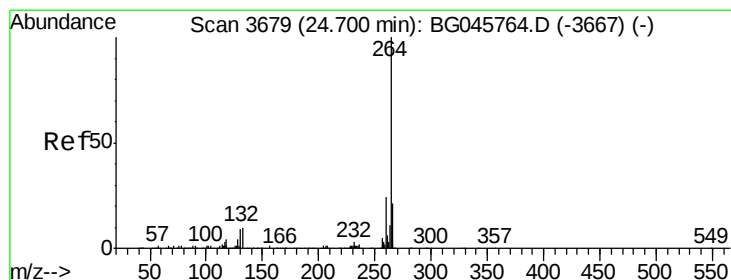
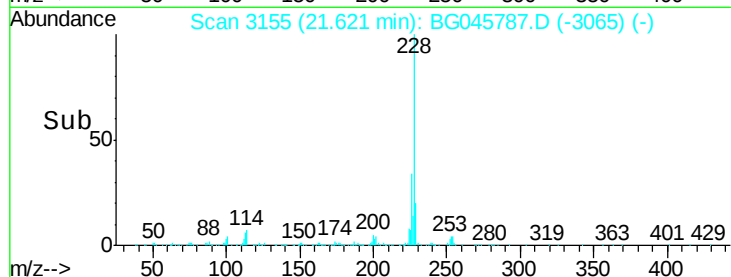
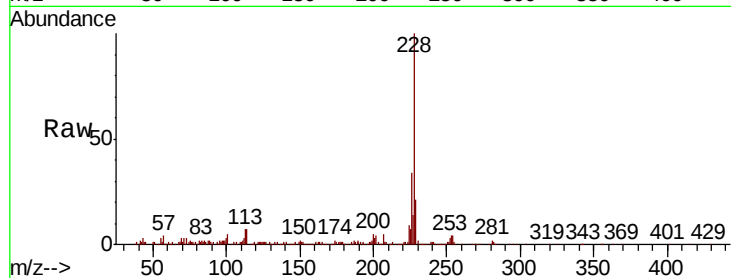
Tot Ion:228 Resp: 210173

Ion Ratio Lower Upper

228 100

226 34.1 25.1 37.7

229 20.5 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.71 min Scan# 3681

Delta R.T. 0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

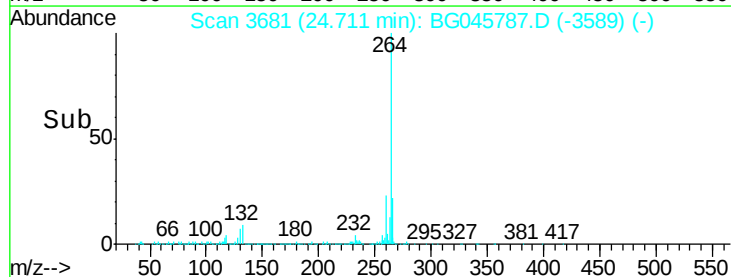
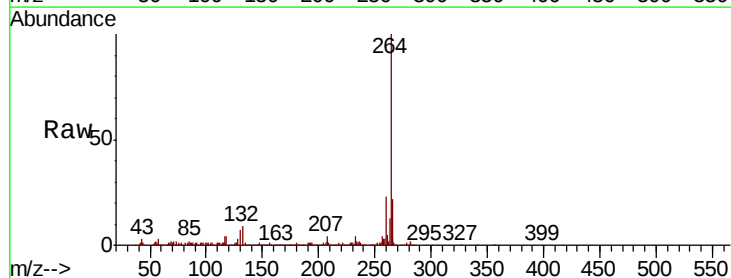
Tgt Ion:264 Resp: 395132

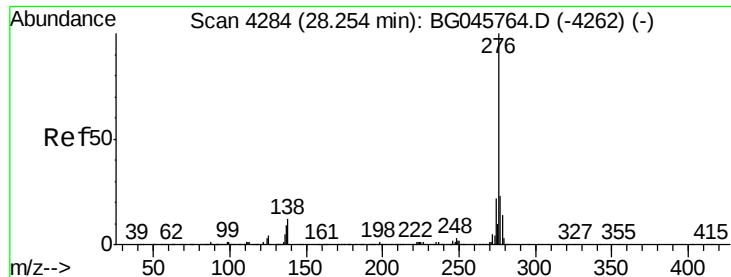
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.5 17.4 26.0

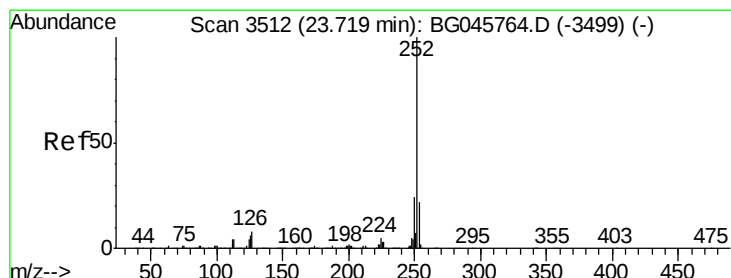
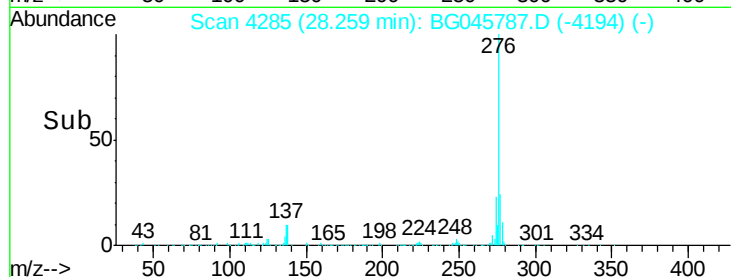
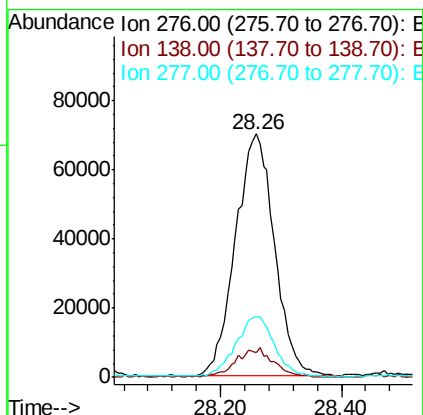
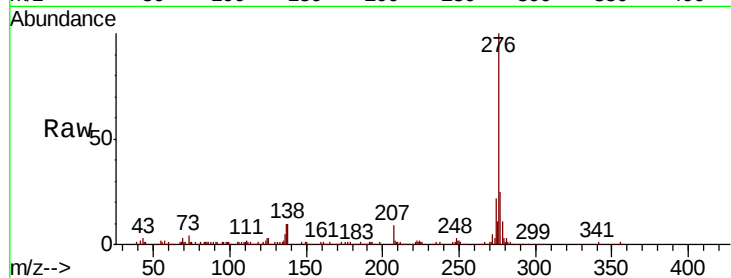




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.864 ng
 RT: 28.26 min Scan# 4285
 Delta R.T. 0.01 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

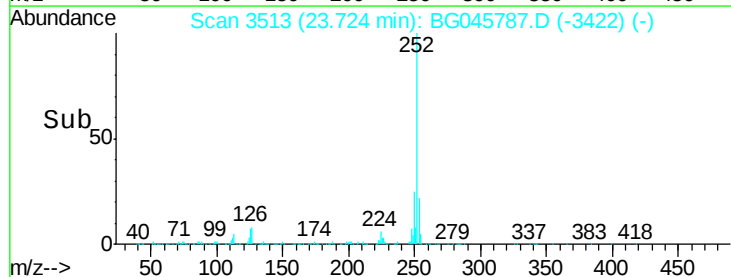
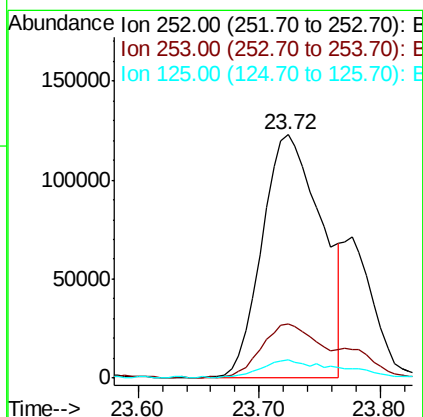
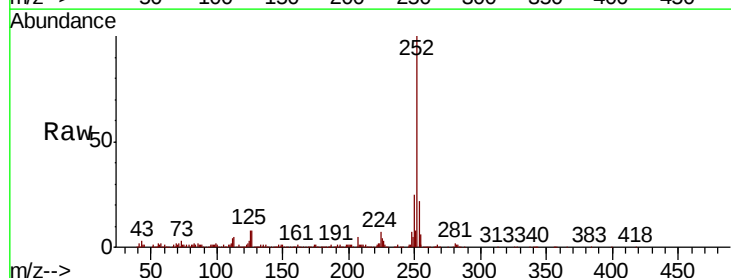
Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212RE

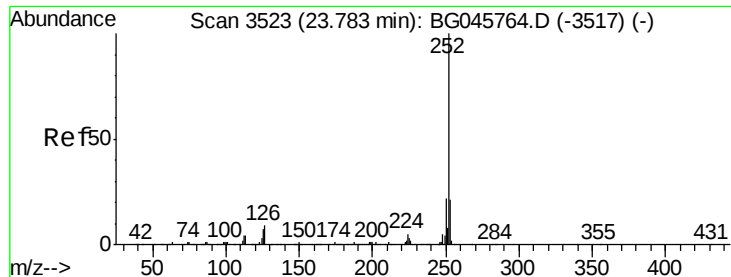
Tot Ion:276 Resp: 311191
 Ion Ratio Lower Upper
 276 100
 138 12.0 5.4 8.0#
 277 24.9 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 16.953 ng
 RT: 23.72 min Scan# 3513
 Delta R.T. 0.01 min
 Lab File: BG045787.D
 Acq: 17 Jun 2020 12:44

Tgt Ion:252 Resp: 420012
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.0
 125 7.6 5.0 7.4#





#89

Benzo(k)fluoranthene

Concen: 17.714 ng

RT: 23.72 min Scan# 3513

Delta R.T. -0.06 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

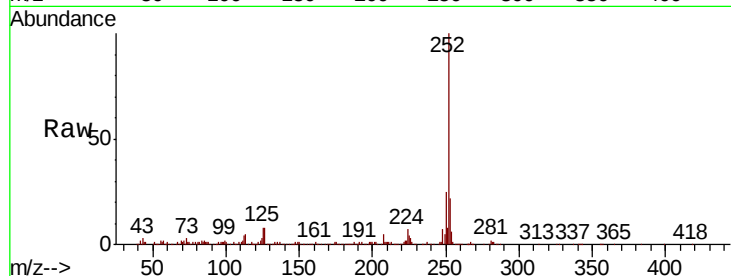
Tot Ion:252 Resp: 420012

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

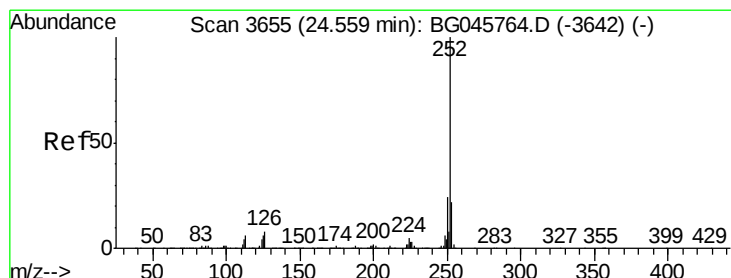
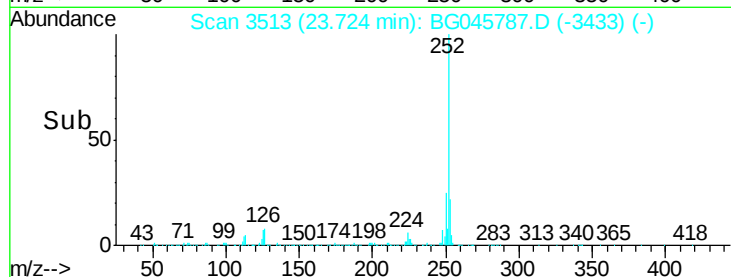
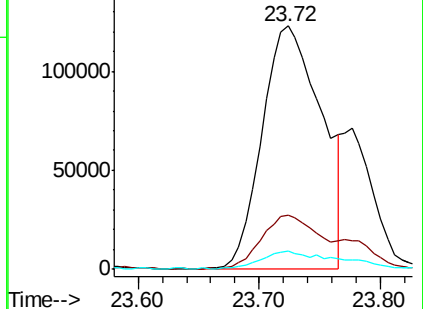
125 7.6 5.2 7.8



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: 18.814 ng

RT: 24.56 min Scan# 3656

Delta R.T. 0.01 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

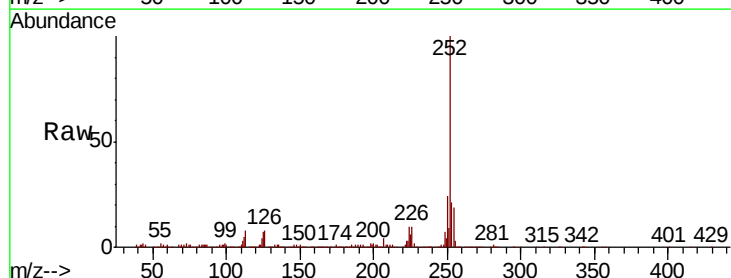
Tgt Ion:252 Resp: 435413

Ion Ratio Lower Upper

252 100

253 21.3 18.0 27.0

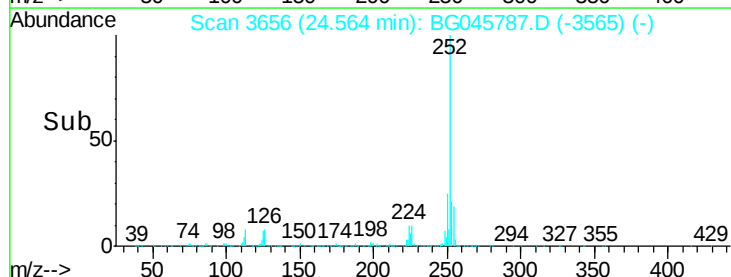
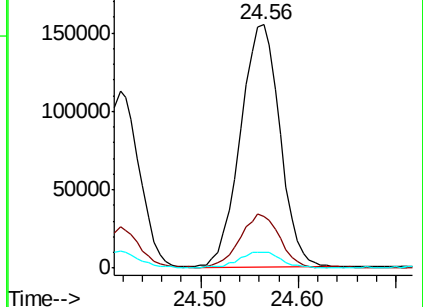
125 6.6 5.0 7.6

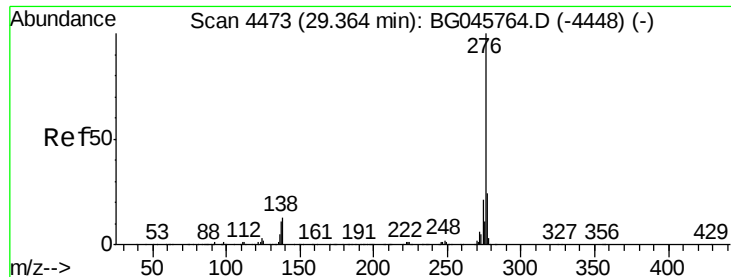


Abundance Ion 252.00 (251.70 to 252.70): E

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: 18.177 ng

RT: 29.36 min Scan# 4473

Delta R.T. -0.00 min

Lab File: BG045787.D

Acq: 17 Jun 2020 12:44

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212RE

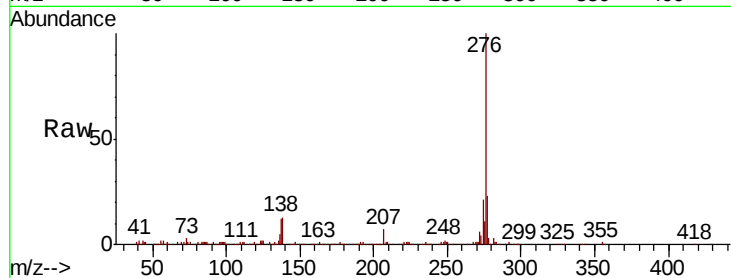
Tot Ion:276 Resp: 417916

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 13.3 10.6 15.8



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

