

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042829.D
 Acq On : 13 Sep 2019 23:00
 Operator : HP/JU
 Sample : K4857-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 14 00:00:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

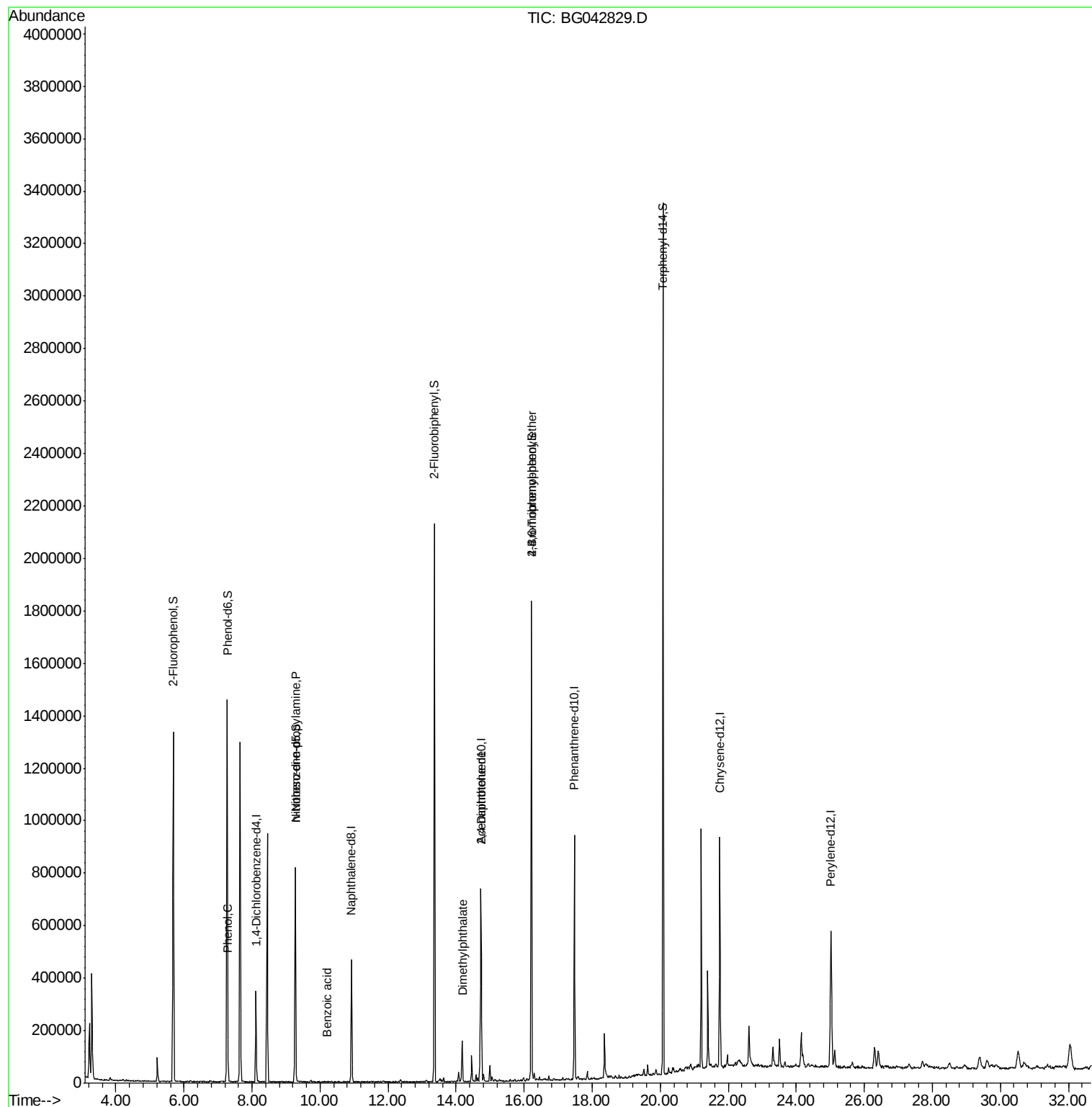
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	97157	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	386127	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	253600	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	572485	20.00	ng	0.00
76) Chrysene-d12	21.75	240	533448	20.00	ng	0.00
87) Perylene-d12	25.03	264	589340	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	540104	96.65	ng	0.00
7) Phenol-d6	7.27	99	820333	102.27	ng	0.00
23) Nitrobenzene-d5	9.27	82	514250	69.34	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	336241	99.66	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1096138	68.42	ng	0.00
79) Terphenyl-d14	20.08	244	1573203	65.36	ng	-0.02
Target Compounds						
10) Phenol	7.29	94	35582	4.326	ng	91
19) n-Nitroso-di-n-propylamine	9.27	70	70069	11.855	ng	# 68
32) Benzoic acid	10.19	122	150	5.994	ng	# 28
50) Dimethylphthalate	14.18	163	98769	5.199	ng	99
57) 2,4-Dinitrotoluene	14.73	165	35481	6.829	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	23507	3.392	ng	# 1

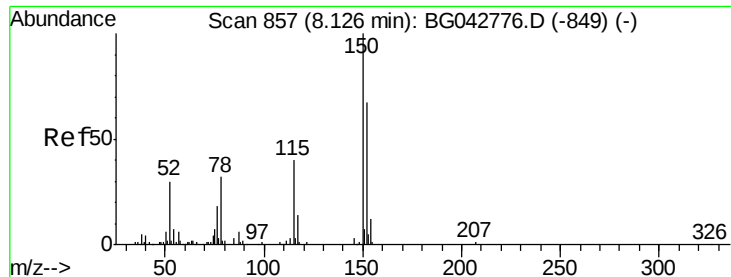
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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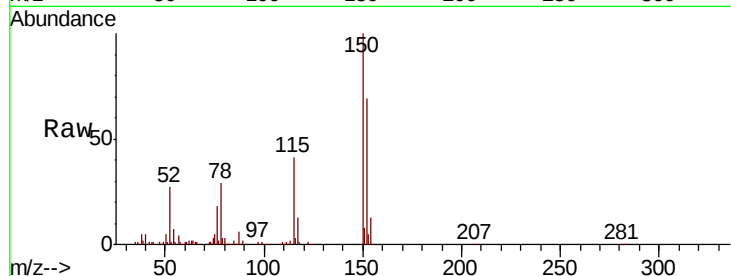


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042829.D
Acq: 13 Sep 2019 23:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.2	118.9	178.3
115	60.0	47.4	71.2

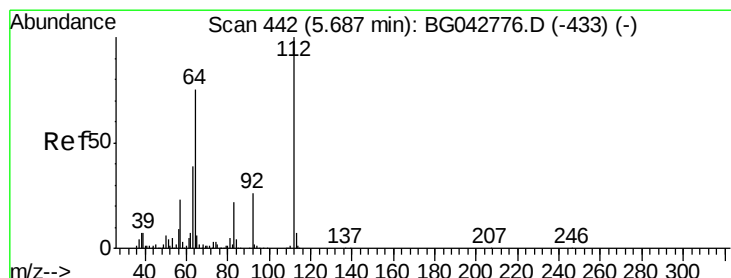
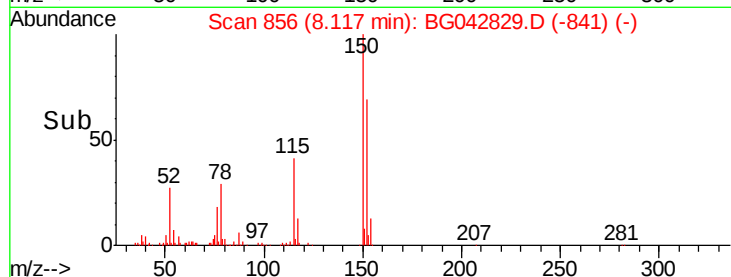
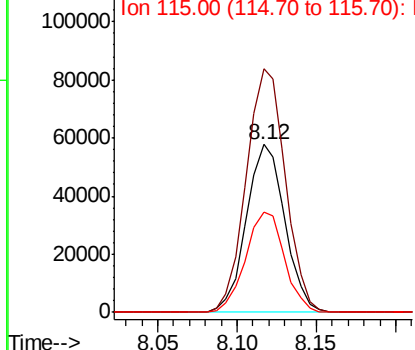


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

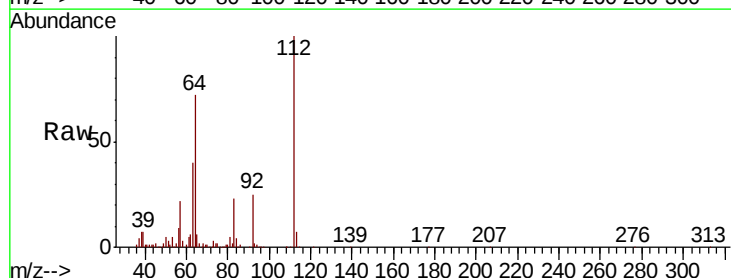
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.647 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042829.D
Acq: 13 Sep 2019 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	60.2	90.2
63	39.7	31.2	46.8

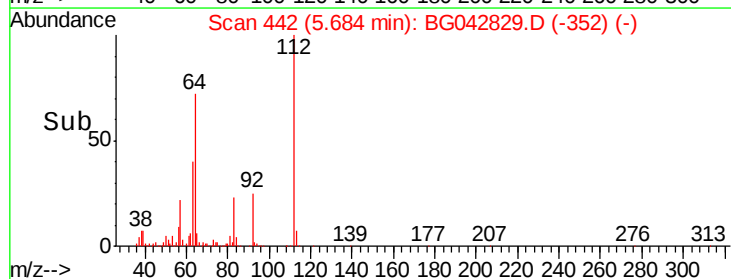
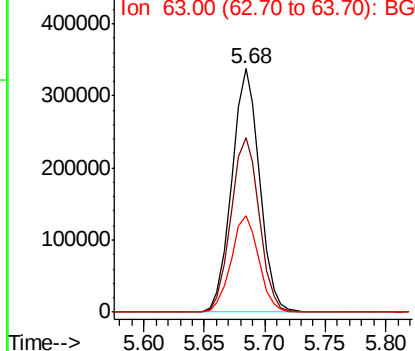


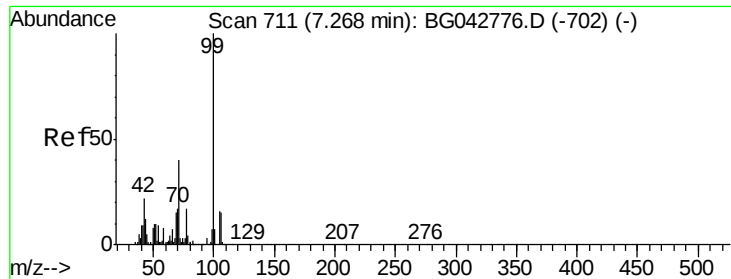
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 102.270 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

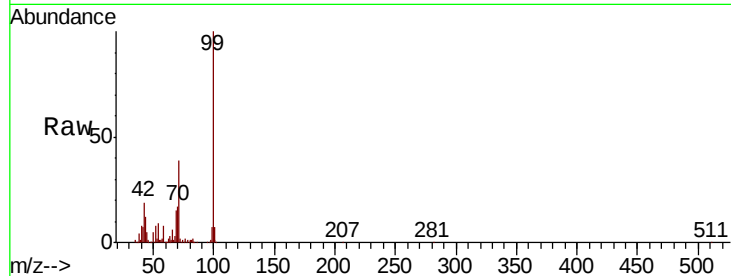
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 820333

Ion	Ratio	Lower	Upper
99	100		
42	19.4	17.5	26.3
71	39.1	32.0	48.0

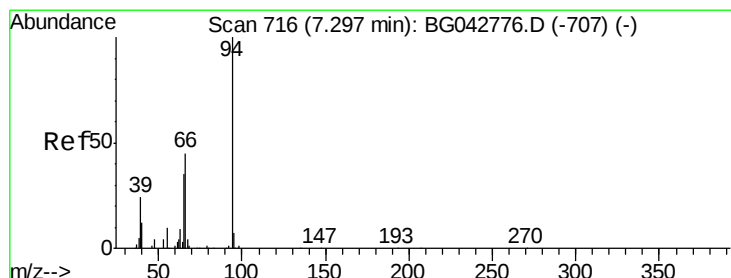
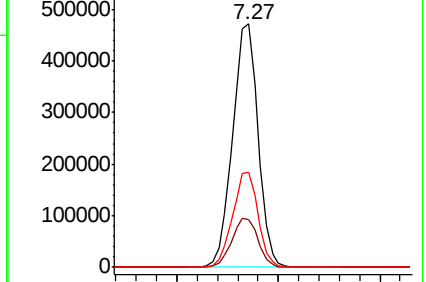
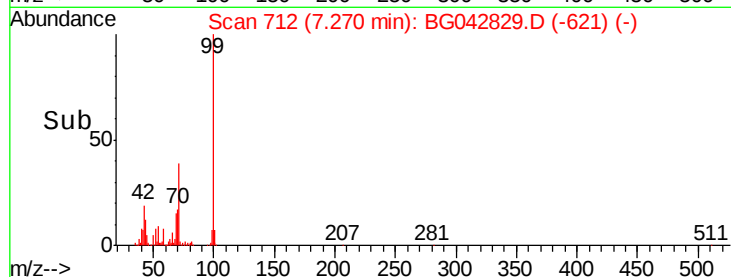


Abundance

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



#10

Phenol

Concen: 4.326 ng

RT: 7.29 min Scan# 716

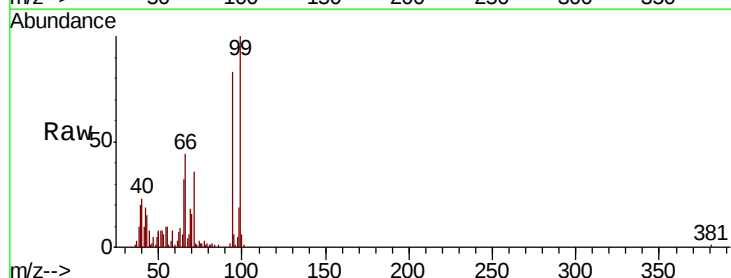
Delta R.T. -0.00 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

Tgt Ion: 94 Resp: 35582

Ion	Ratio	Lower	Upper
94	100		
65	39.3	15.0	55.0
66	52.8	26.1	66.1

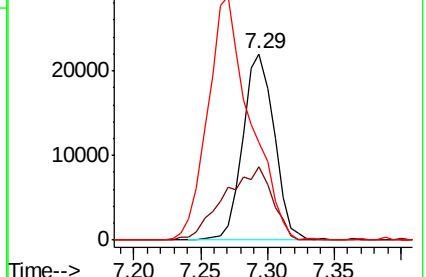
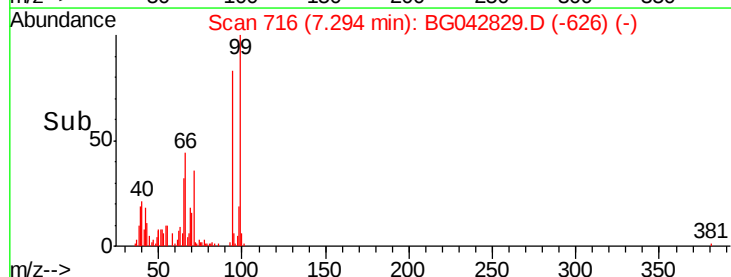


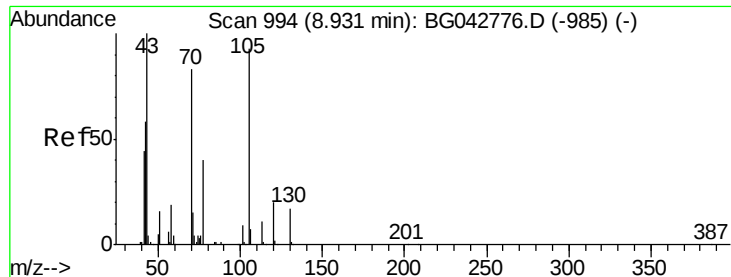
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 11.855 ng

RT: 9.27 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 70069

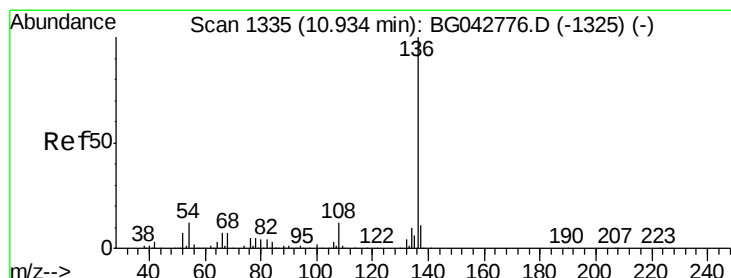
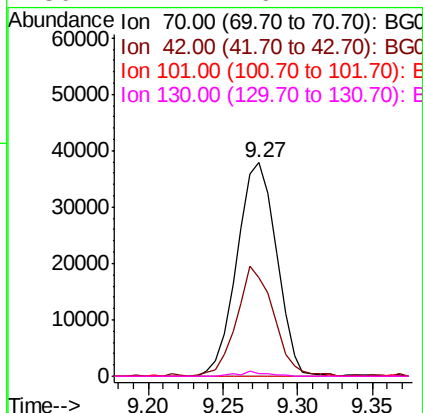
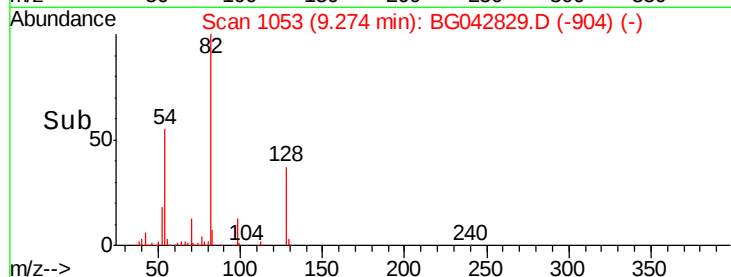
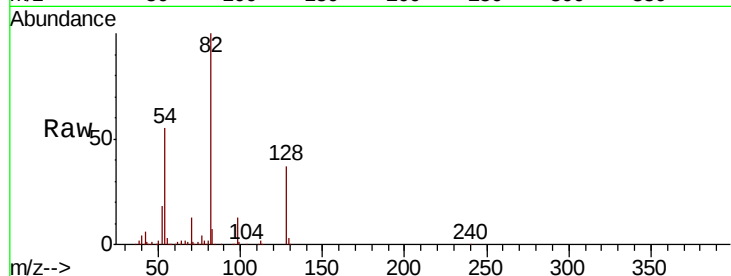
Ion Ratio Lower Upper

70 100

42 46.2 57.0 85.6#

101 0.0 8.4 12.6#

130 1.4 16.1 24.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

Tgt Ion: 136 Resp: 386127

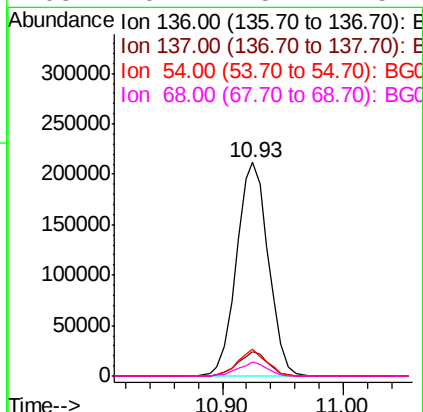
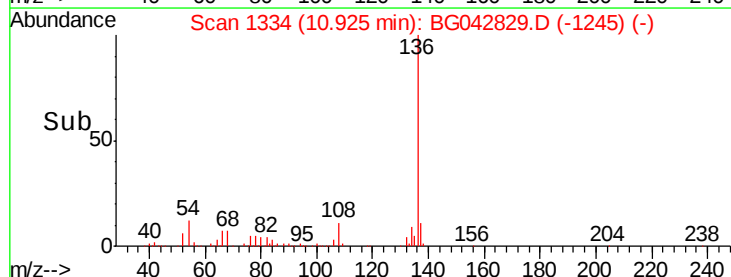
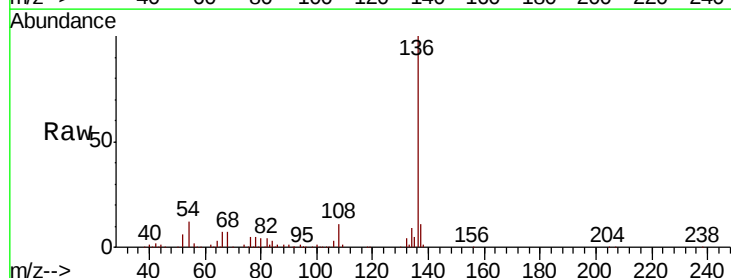
Ion Ratio Lower Upper

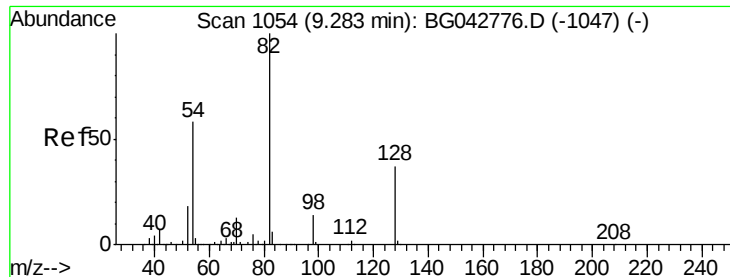
136 100

137 11.2 9.0 13.6

54 12.4 9.4 14.0

68 6.7 5.4 8.2

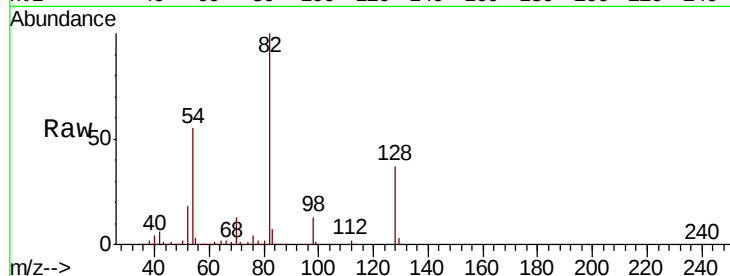




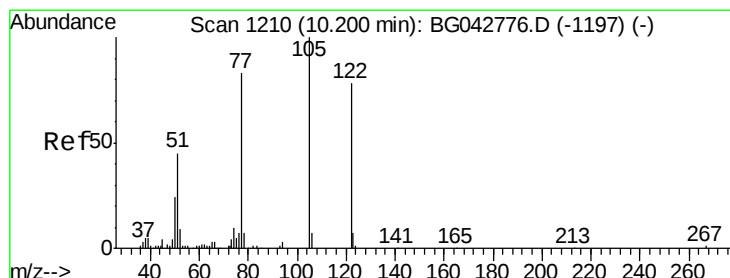
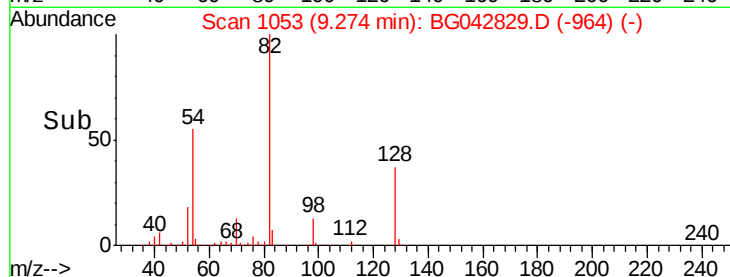
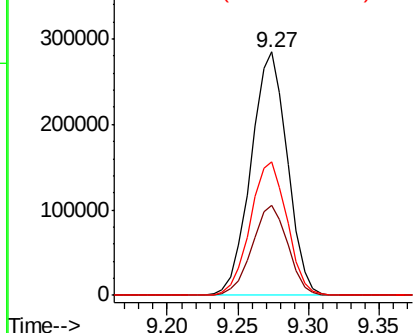
#23
Nitrobenzene-d5
Concen: 69.338 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042829.D
Acq: 13 Sep 2019 23:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	514250
Ion Ratio	100	Lower	Upper
128	37.0	29.8	44.8
54	54.9	46.1	69.1

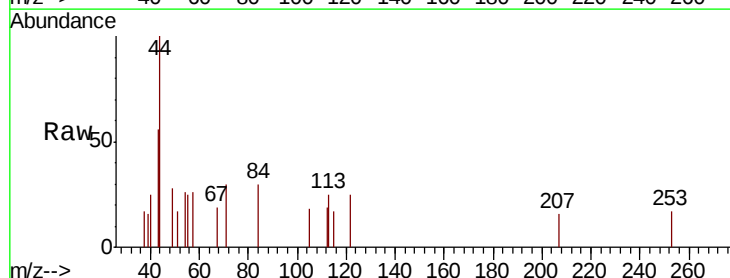


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

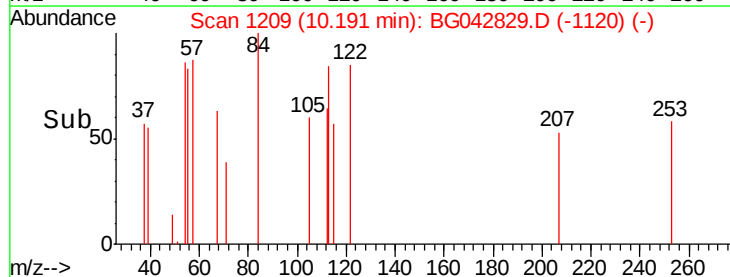
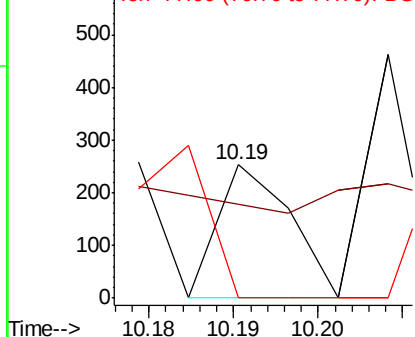


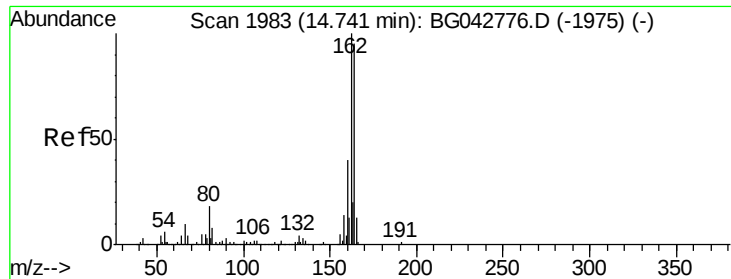
#32
Benzoic acid
Concen: 5.994 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BG042829.D
Acq: 13 Sep 2019 23:00

Tgt Ion	122	Resp	150
Ion Ratio	100	Lower	Upper
105	70.8	104.0	144.0#
77	0.0	84.2	124.2#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

Instrument :

BNA_G

ClientSampleId :

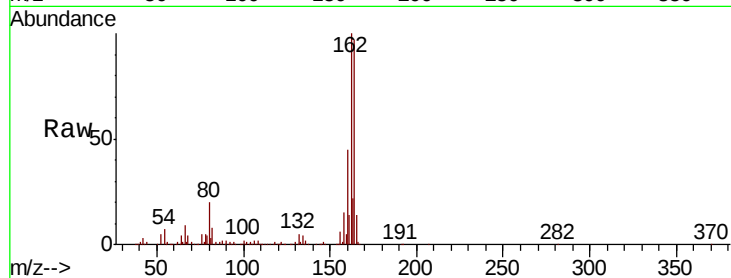
Tot Ion:164 Resp: 253600

Ion Ratio Lower Upper

164 100

162 103.2 84.6 126.8

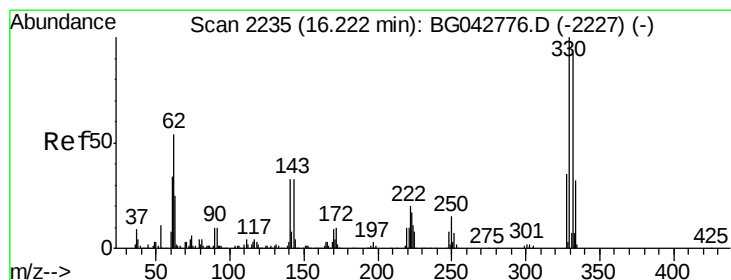
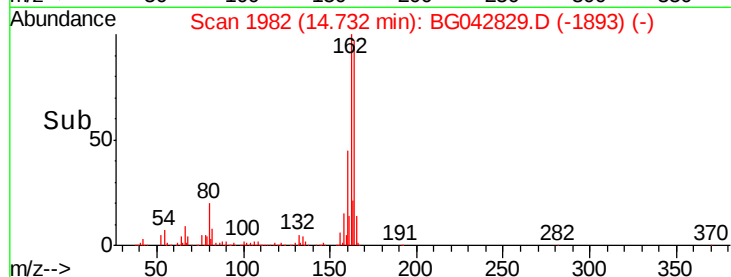
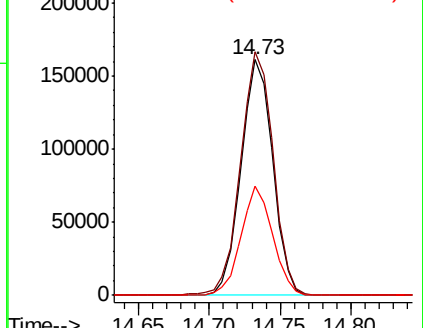
160 46.5 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 99.658 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

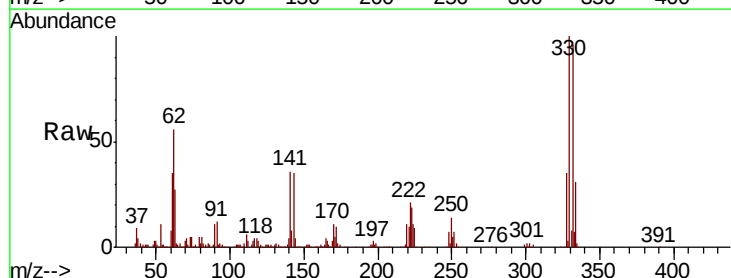
Tgt Ion:330 Resp: 336241

Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

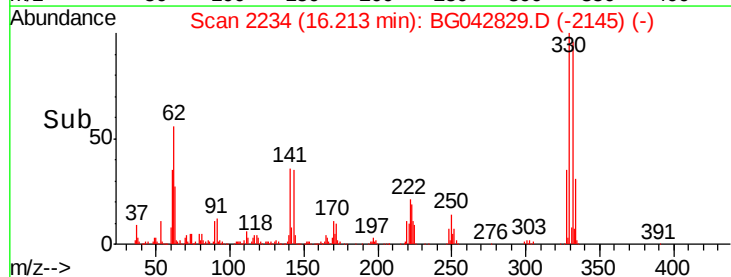
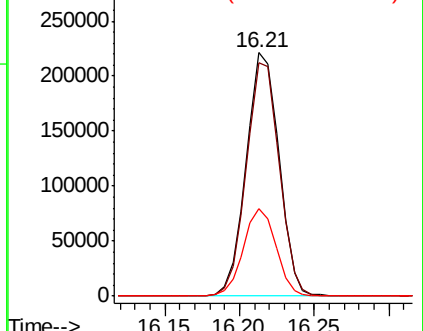
141 35.9 27.0 40.6

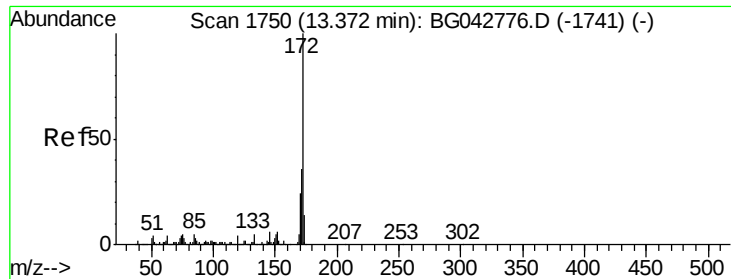


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

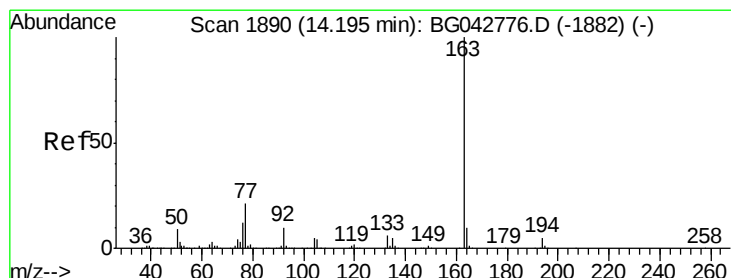
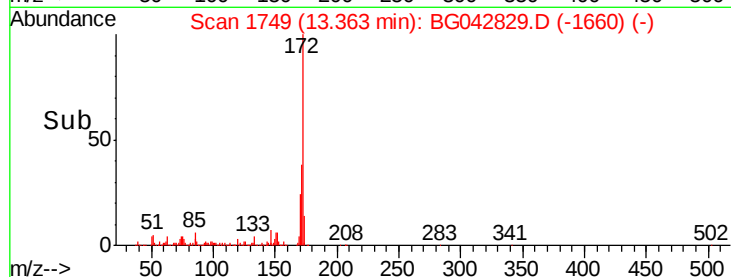
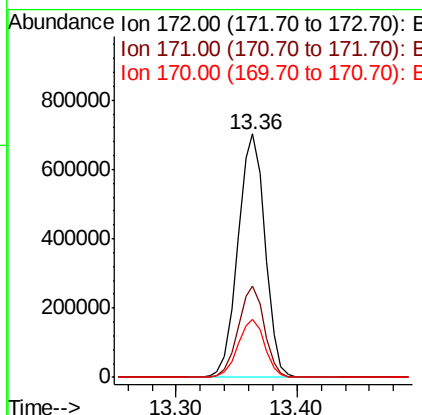
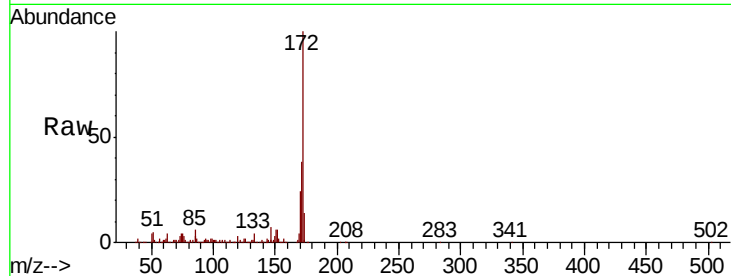




#45
2-Fluorobiphenyl
Concen: 68.419 ng
RT: 13.36 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BG042829.D
Acq: 13 Sep 2019 23:00

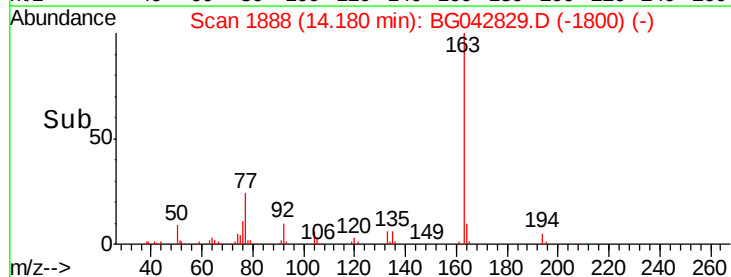
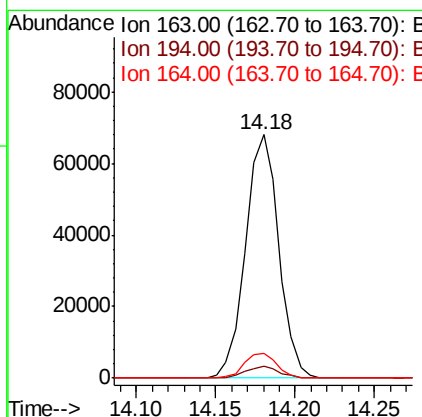
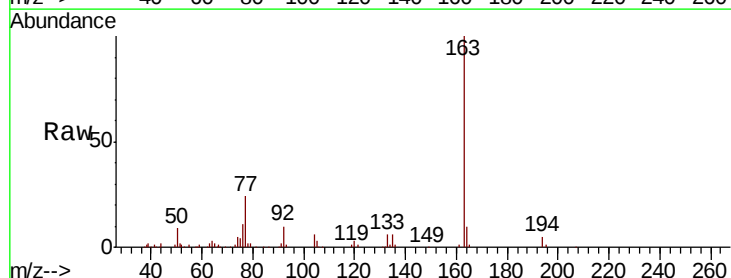
Instrument :
BNA_G
ClientSampleId :

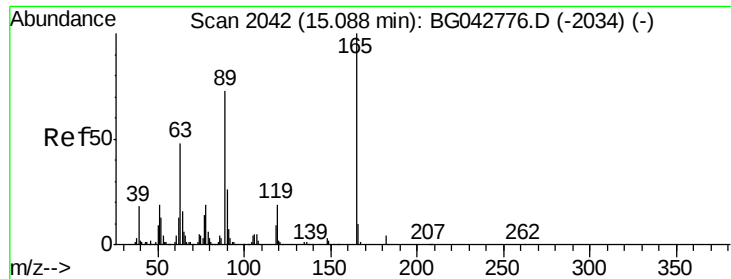
Tot Ion:172 Resp: 1096138
Ion Ratio Lower Upper
172 100
171 37.5 28.9 43.3
170 23.7 19.1 28.7



#50
Dimethylphthalate
Concen: 5.199 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.02 min
Lab File: BG042829.D
Acq: 13 Sep 2019 23:00

Tgt Ion:163 Resp: 98769
Ion Ratio Lower Upper
163 100
194 4.7 4.2 6.4
164 10.0 8.4 12.6

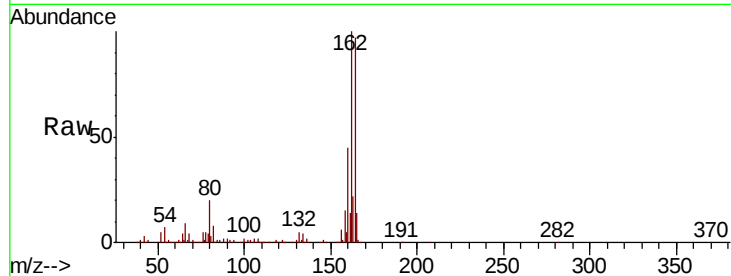




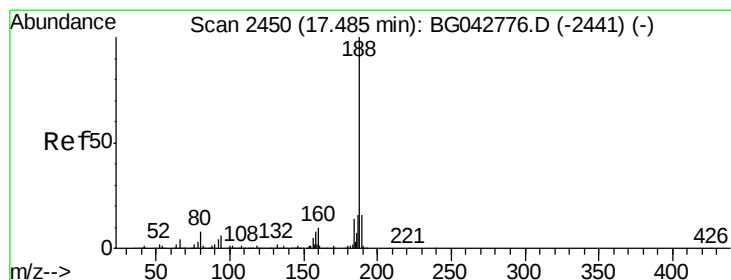
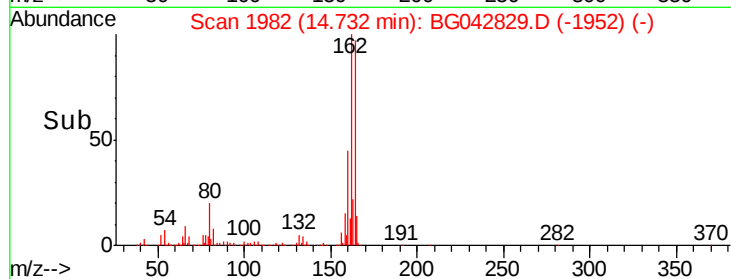
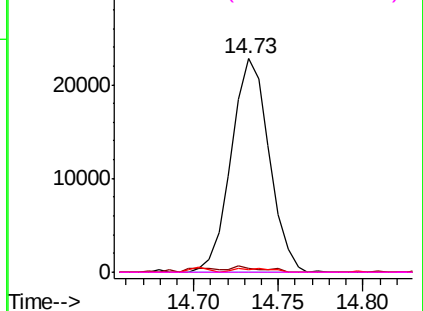
#57
 2,4-Dinitrotoluene
 Concen: 6.829 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. -0.36 min
 Lab File: BG042829.D
 Acq: 13 Sep 2019 23:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	38.3	57.5#
89	1.5	58.4	87.6#
182	0.0	2.9	4.3#

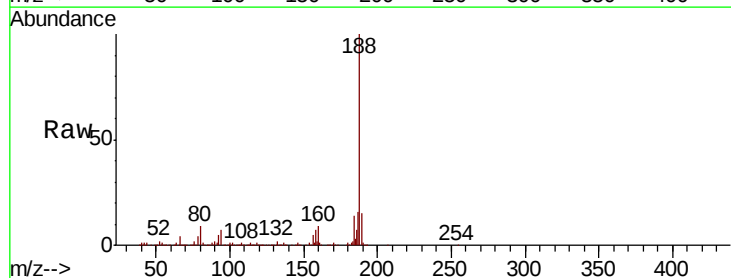


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

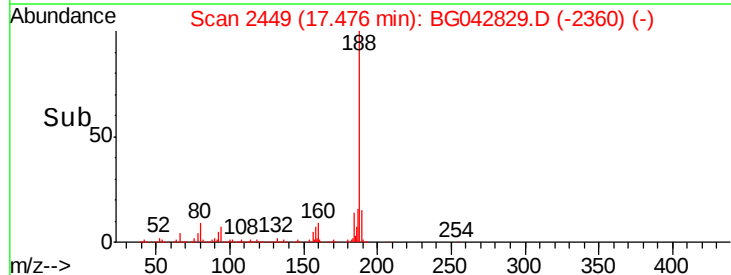
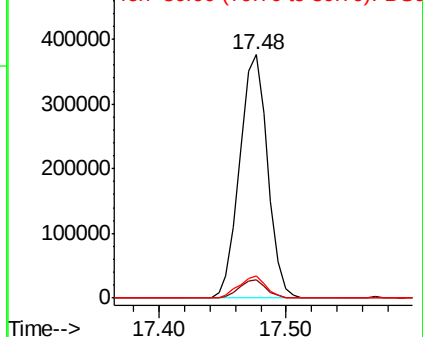


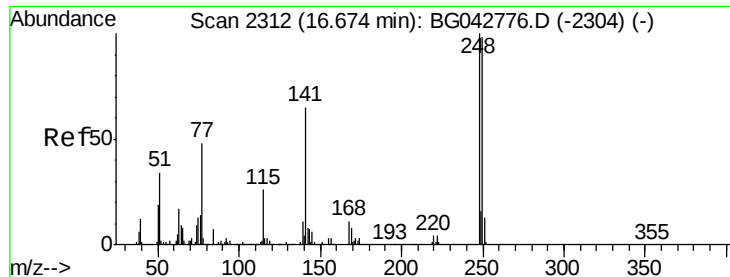
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BG042829.D
 Acq: 13 Sep 2019 23:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	4.8	7.2#
80	9.1	6.6	9.8



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





#67

4-Bromophenyl-phenylether

Concen: 3.392 ng

RT: 16.21 min Scan# 2234

Delta R.T. -0.46 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

Instrument :

BNA_G

ClientSampled :

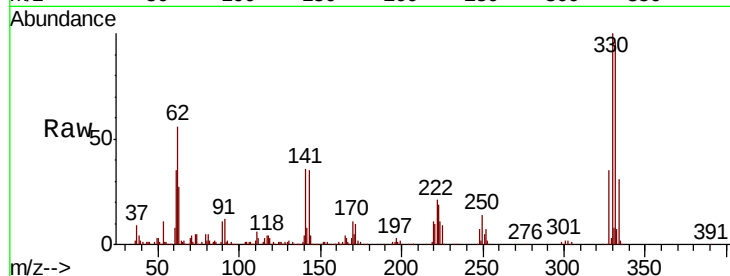
Tot Ion:248 Resp: 23507

Ion Ratio Lower Upper

248 100

250 190.6 78.0 117.0#

141 489.9 51.8 77.6#



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

100000

80000

60000

40000

20000

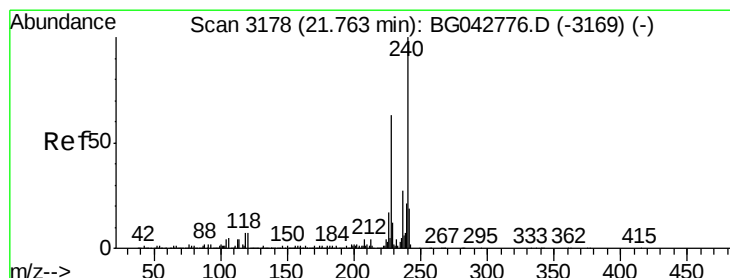
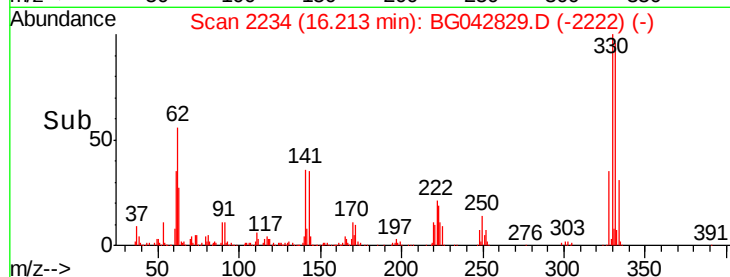
0

16.15

16.20

16.25

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

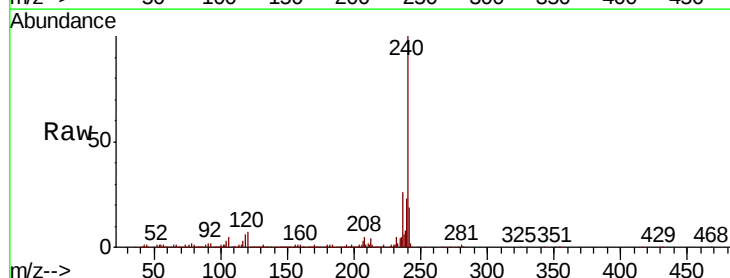
Tgt Ion:240 Resp: 533448

Ion Ratio Lower Upper

240 100

120 6.8 5.4 8.2

236 25.7 21.7 32.5



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

400000

300000

200000

100000

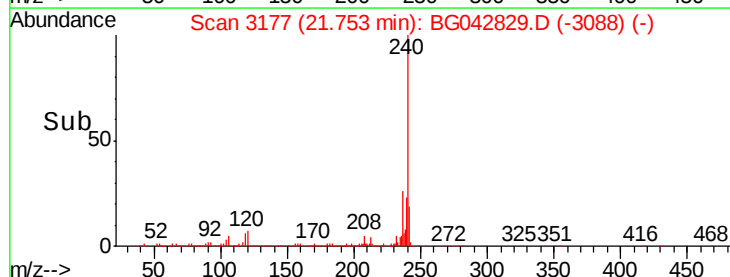
0

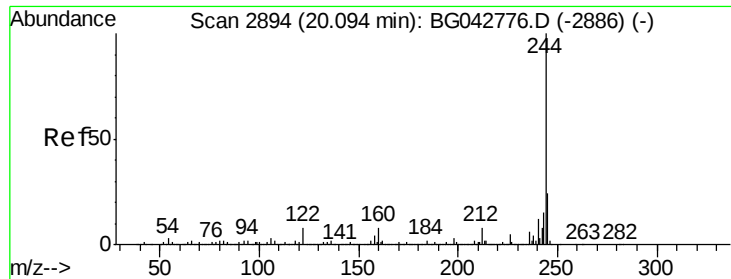
21.70

21.75

21.80

Time-->





#79

Terphenyl-d14

Concen: 65.361 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

Instrument :

BNA_G

ClientSampleId :

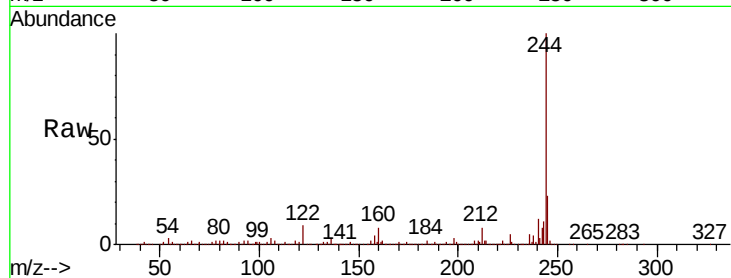
Tot Ion:244 Resp: 1573203

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

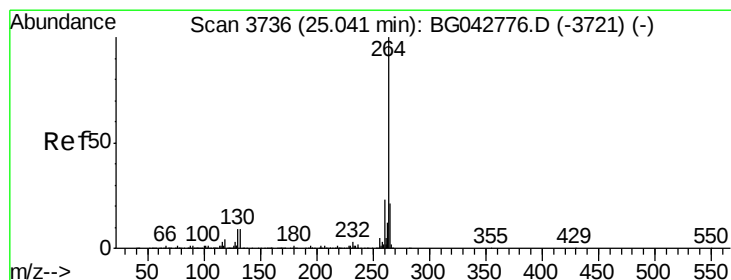
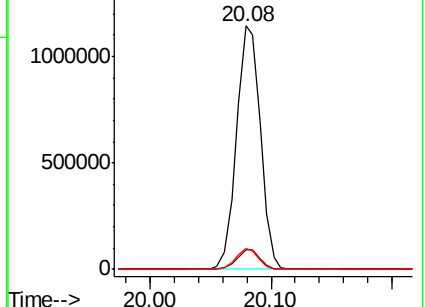
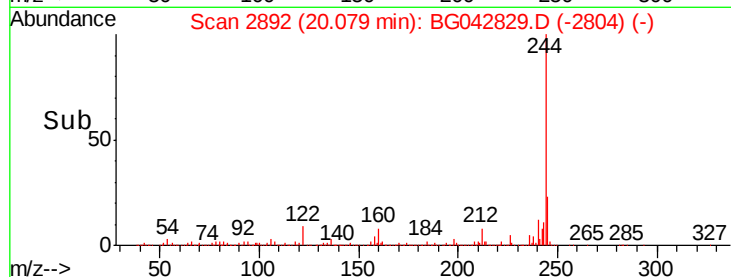
122 8.5 6.2 9.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3734

Delta R.T. -0.02 min

Lab File: BG042829.D

Acq: 13 Sep 2019 23:00

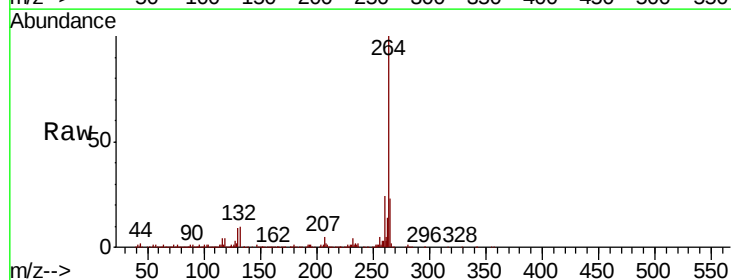
Tgt Ion:264 Resp: 589340

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 22.6 16.9 25.3



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

