

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045167.D
 Acq On : 24 Apr 2020 19:03
 Operator : CG/JU
 Sample : L2118-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:21:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	62036	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	233858	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	167393	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	392839	20.00	ng	0.00
76) Chrysene-d12	21.64	240	439533	20.00	ng	-0.01
87) Perylene-d12	24.82	264	461405	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	502350	133.69	ng	0.00
7) Phenol-d6	7.17	99	654449	117.22	ng	0.00
23) Nitrobenzene-d5	9.16	82	543369	106.02	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	383577	148.33	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1202089	105.30	ng	0.00
79) Terphenyl-d14	20.00	244	2146842	106.46	ng	0.00

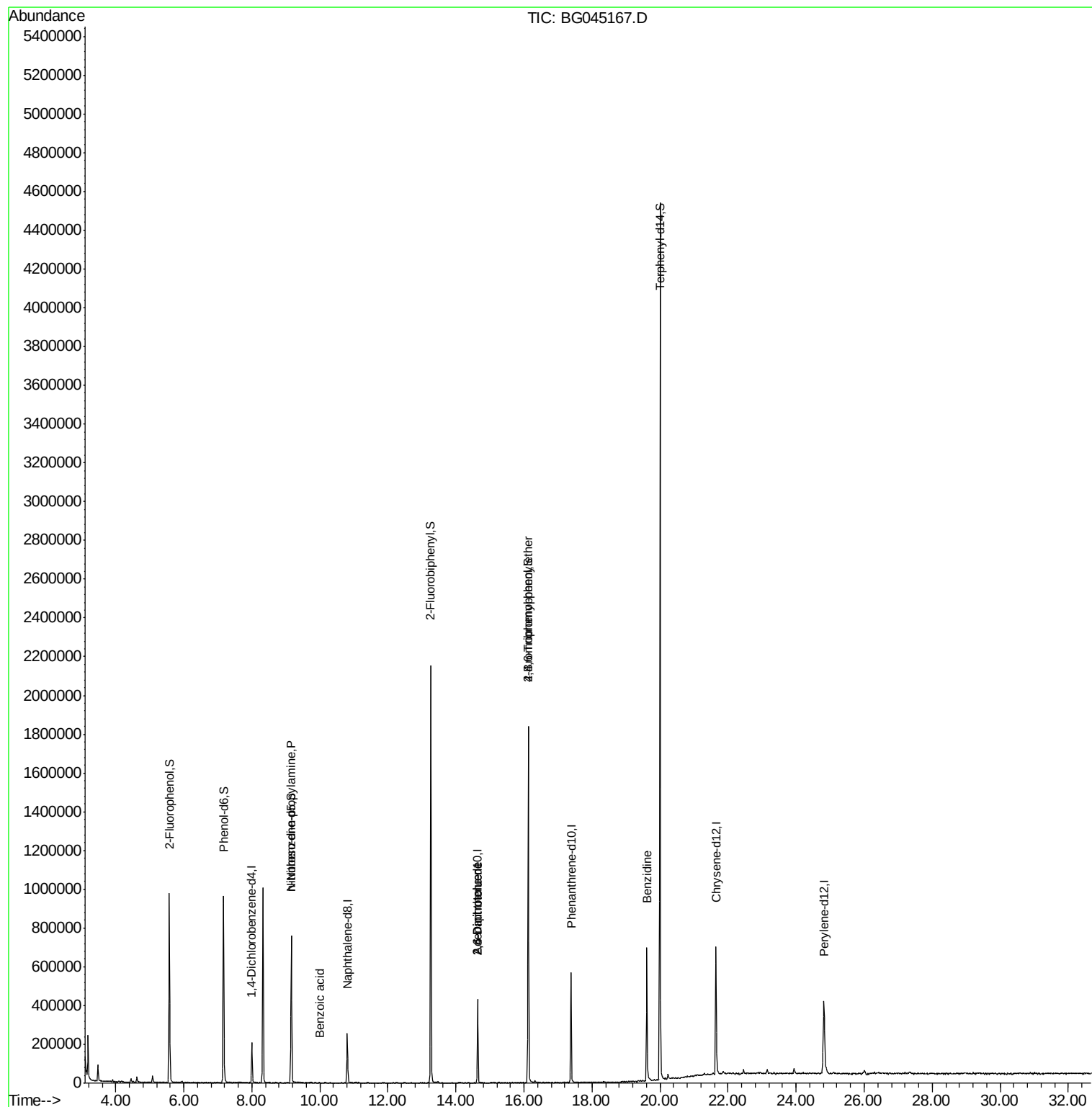
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1507	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	71180	18.028 ng	#	78
32) Benzoic acid	10.01	122	53	6.390 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	21130	6.931 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	21130	4.743 ng	#	23
67) 4-Bromophenyl-phenylether	16.13	248	26851	5.298 ng	#	1
69) Atrazine	17.05	200	74	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	2559	Below Cal	#	83
75) Fluoranthene	19.58	202	63	Below Cal		62
77) Benzidine	19.61	184	456934	34.503 ng		96

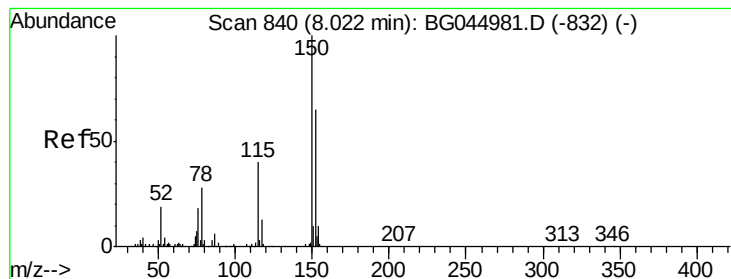
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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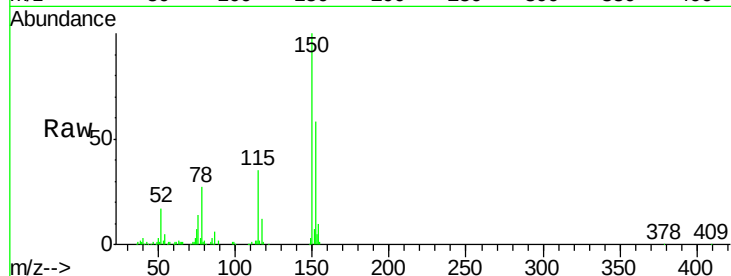


#1

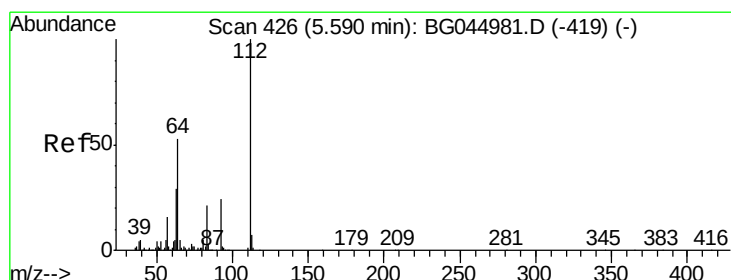
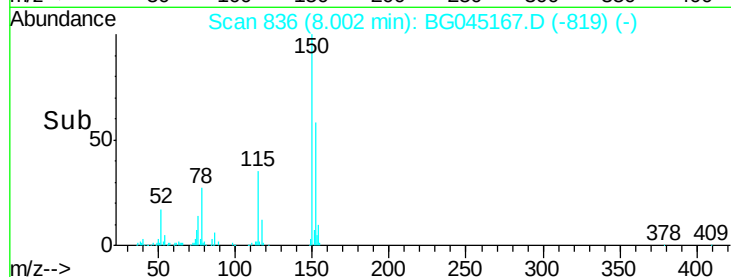
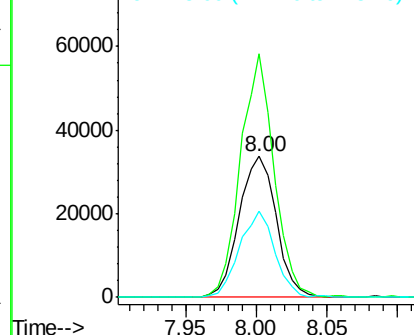
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045167.D
Acq: 24 Apr 2020 19:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	62036
Ion Ratio	Lower	Upper	
152	100		
150	172.6	123.6	185.4
115	60.8	49.1	73.7



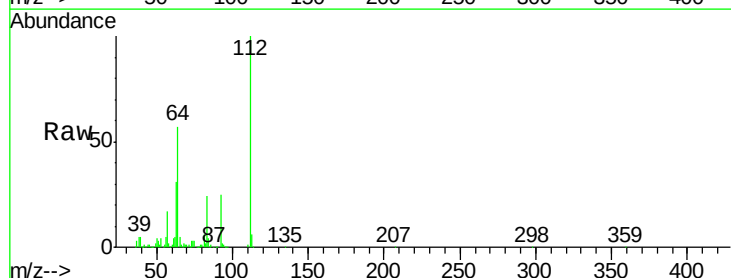
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



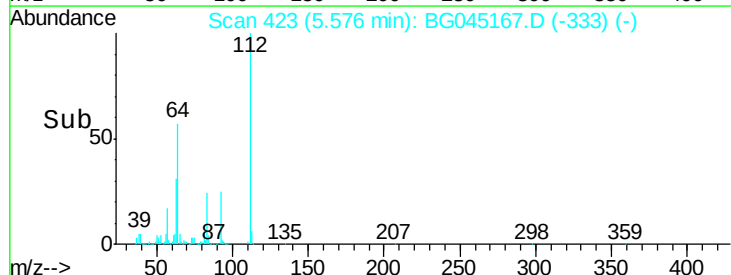
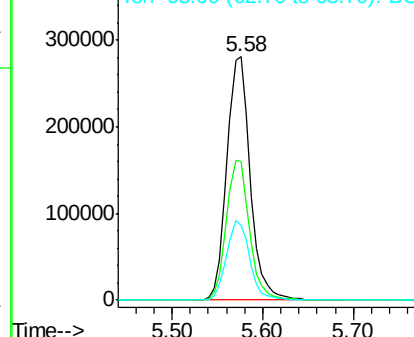
#5

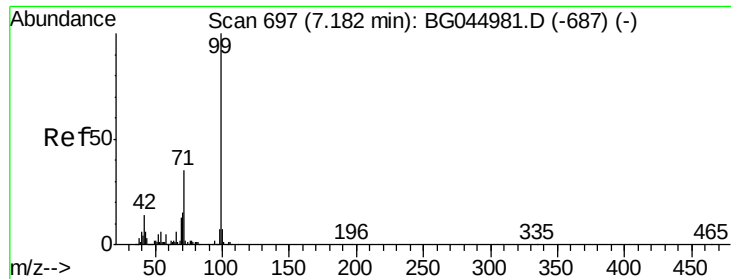
2-Fluorophenol
Concen: 133.689 ng
RT: 5.58 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045167.D
Acq: 24 Apr 2020 19:03

Tgt Ion	112	Resp	502350
Ion Ratio	Lower	Upper	
112	100		
64	56.7	42.4	63.6
63	30.8	23.1	34.7



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: 117.225 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Instrument :

BNA_G

ClientSampleId :

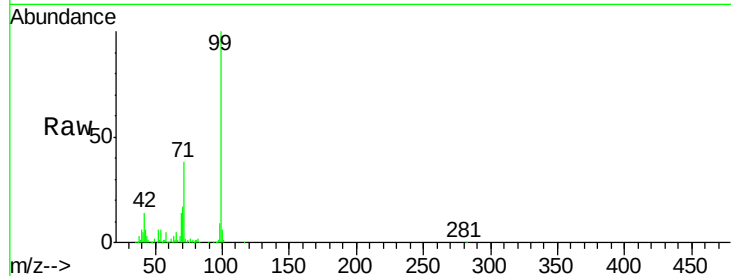
Tot Ion: 99 Resp: 654449

Ion Ratio Lower Upper

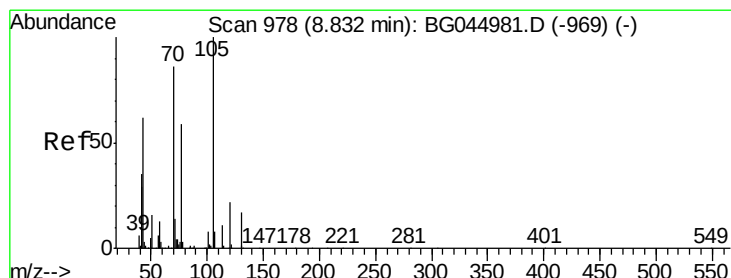
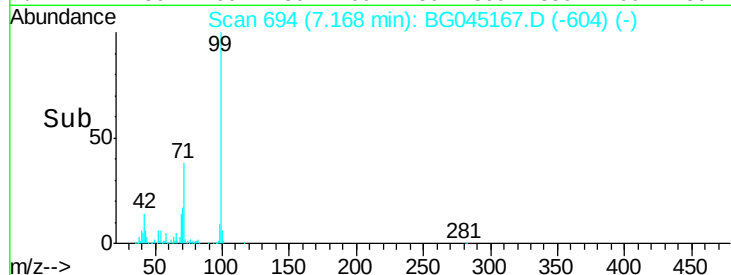
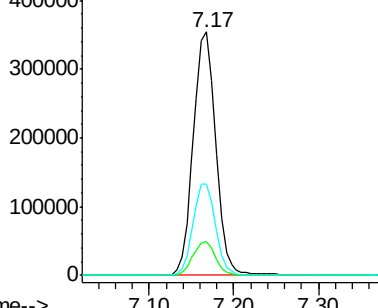
99 100

42 13.8 11.3 16.9

71 37.7 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: 18.028 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Tgt Ion: 70 Resp: 71180

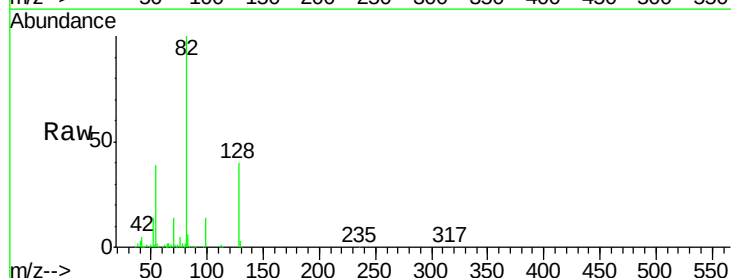
Ion Ratio Lower Upper

70 100

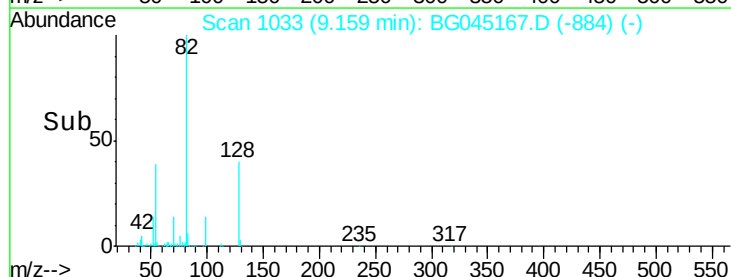
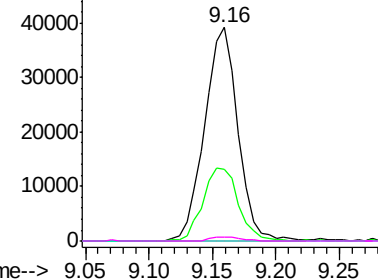
42 33.5 33.3 49.9

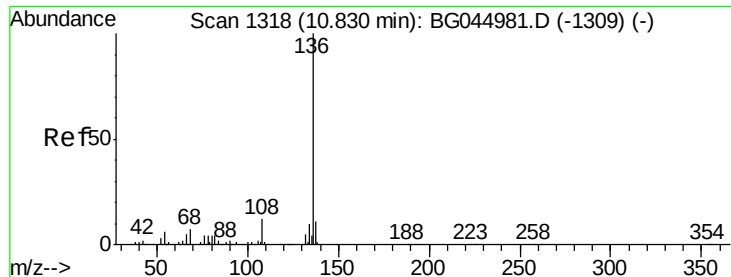
101 0.0 7.8 11.8#

130 1.6 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

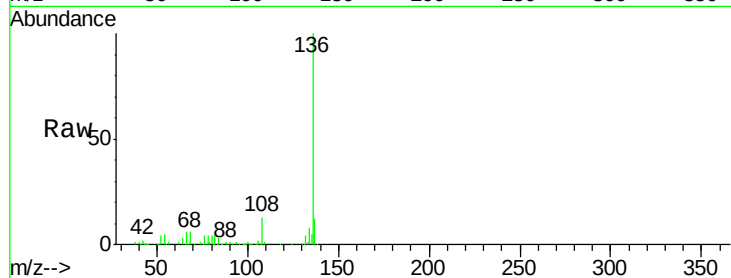




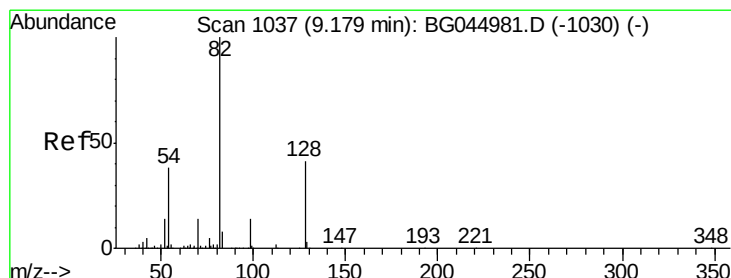
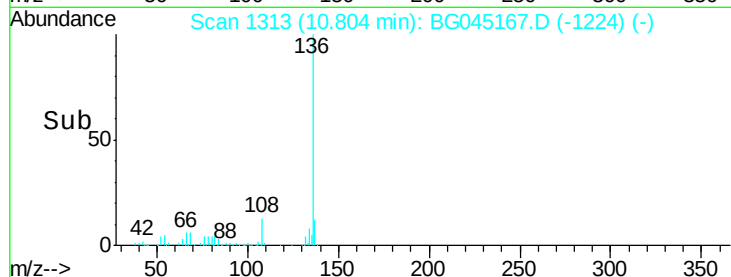
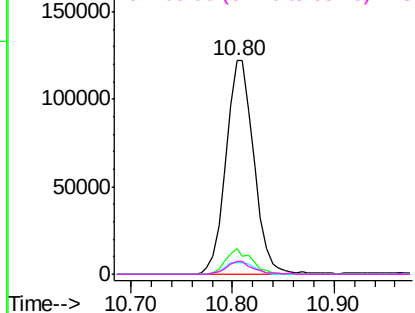
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045167.D
Acq: 24 Apr 2020 19:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	233858	
Ion Ratio	Lower	Upper	
136 100			
137 11.8	8.6	13.0	
54 5.2	4.8	7.2	
68 5.8	5.2	7.8	

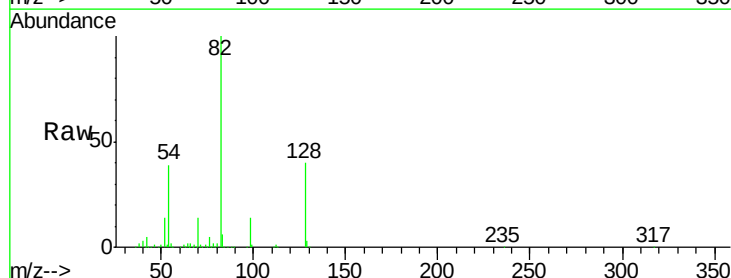


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

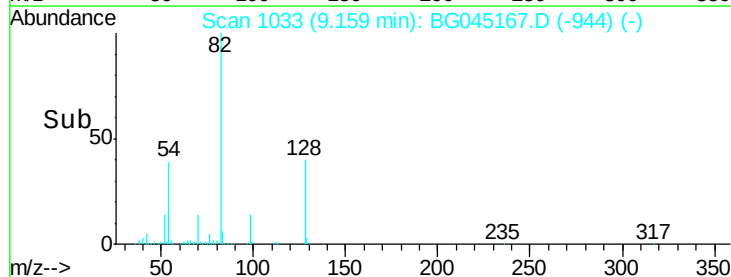
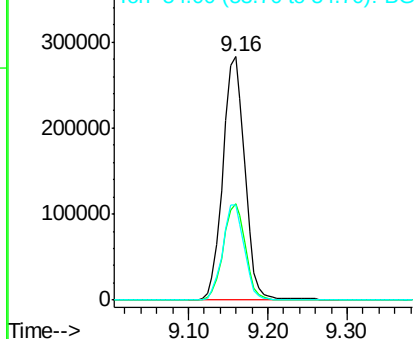


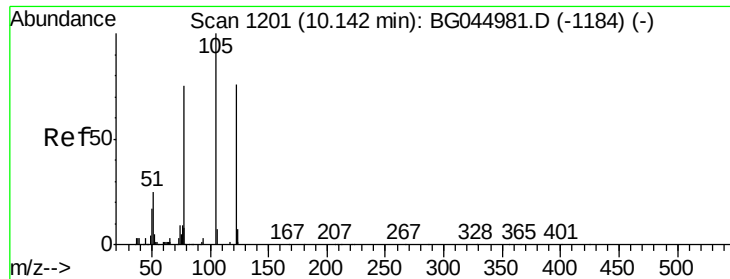
#23
Nitrobenzene-d5
Concen: 106.019 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045167.D
Acq: 24 Apr 2020 19:03

Tgt Ion: 82	Resp: 543369
Ion Ratio	Lower Upper
82 100	
128 39.6	33.0 49.4
54 39.1	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: 6.390 ng

RT: 10.01 min Scan# 1177

Delta R.T. -0.13 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Instrument :

BNA_G

ClientSampleId :

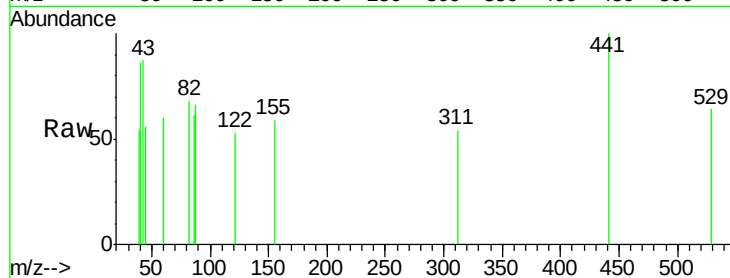
Tot Ion:122 Resp: 53

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

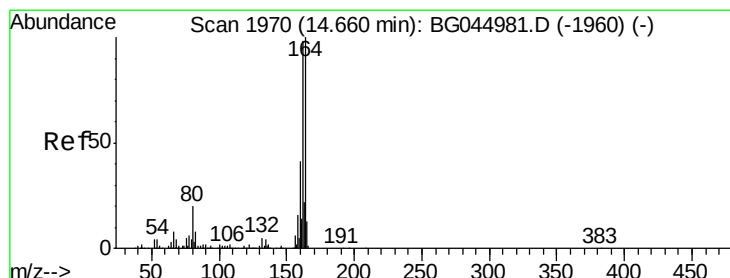
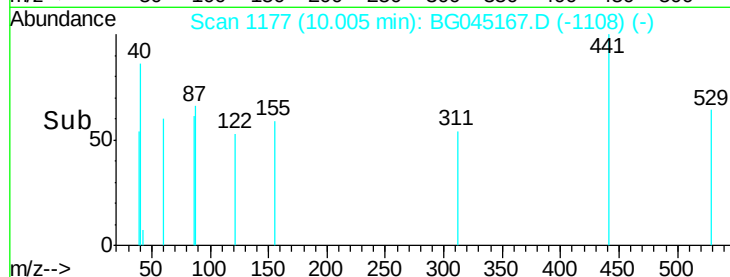
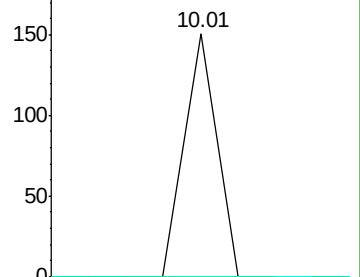
77 0.0 78.8 118.8#



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

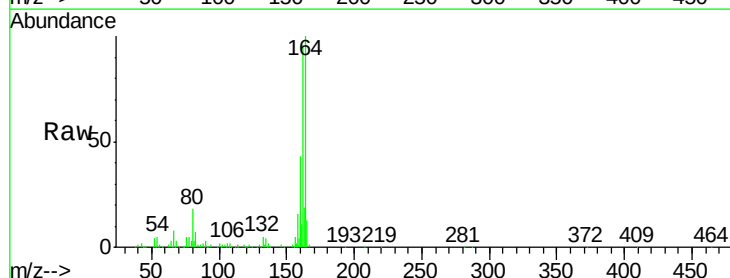
Tgt Ion:164 Resp: 167393

Ion Ratio Lower Upper

164 100

162 96.1 78.7 118.1

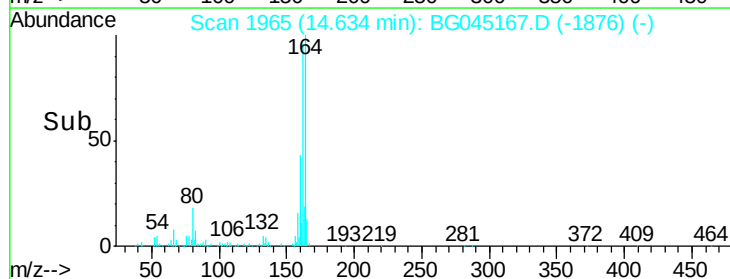
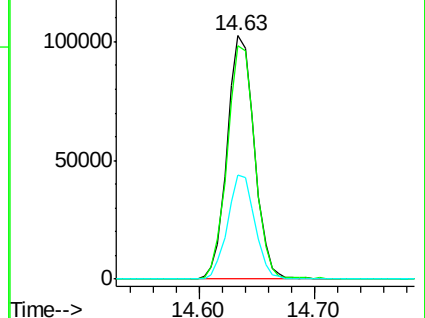
160 42.6 32.8 49.2

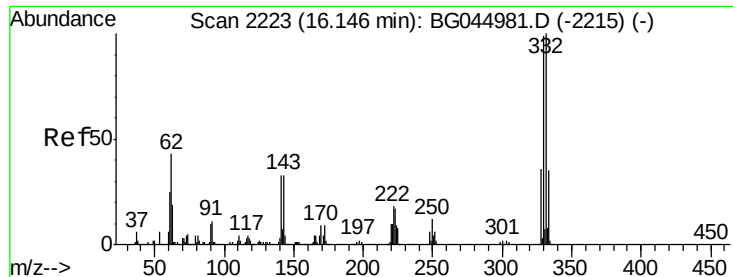


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

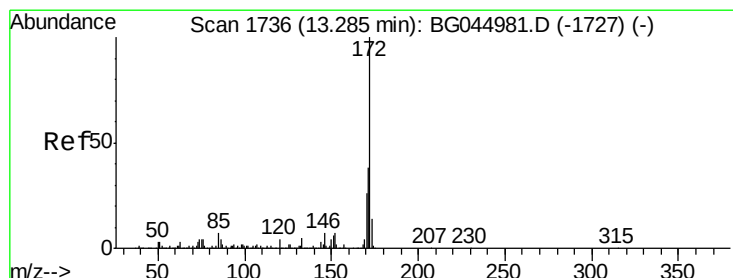
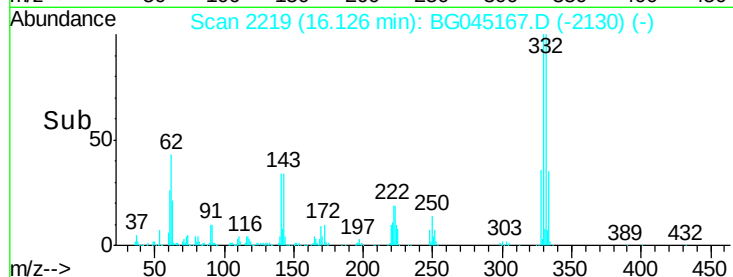
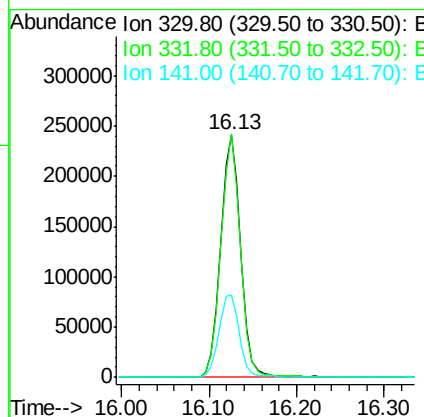
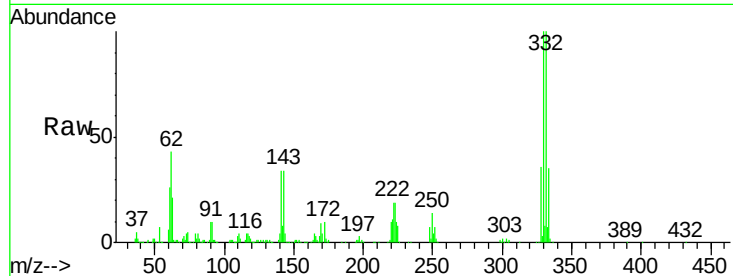




#42
 2,4,6-Tribromophenol
 Concen: 148.328 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG045167.D
 Acq: 24 Apr 2020 19:03

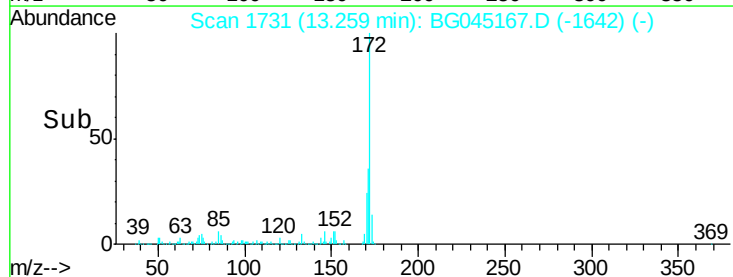
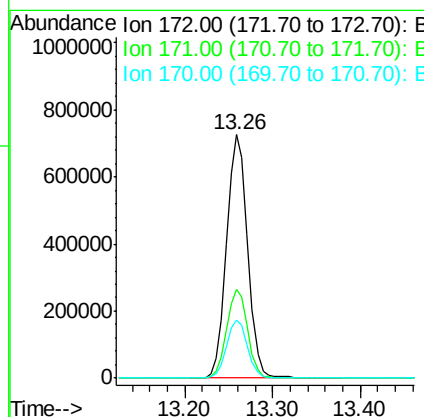
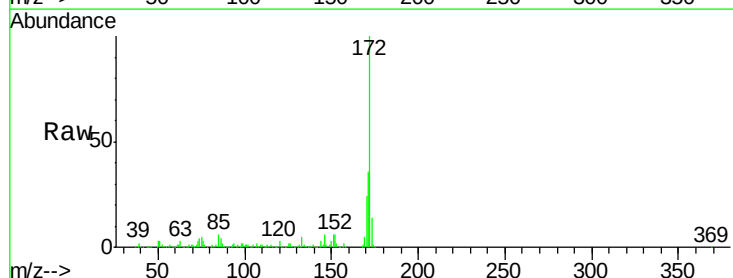
Instrument :
 BNA_G
 ClientSampleId :

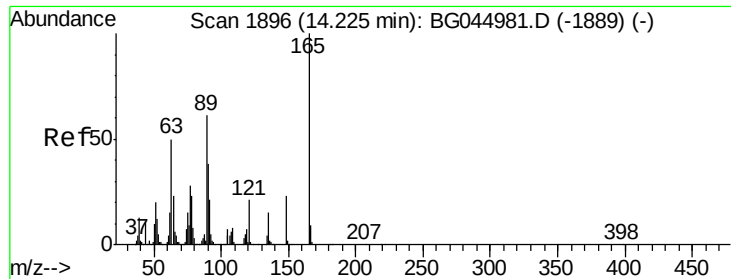
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.1	118.7
141	34.6	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 105.300 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045167.D
 Acq: 24 Apr 2020 19:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	46.0
170	23.9	20.5	30.7

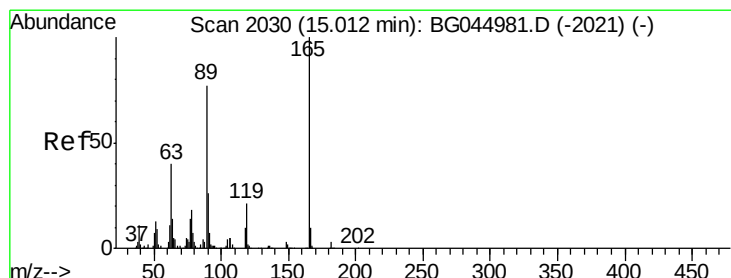
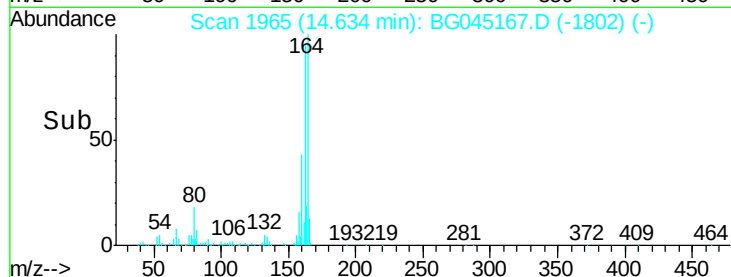
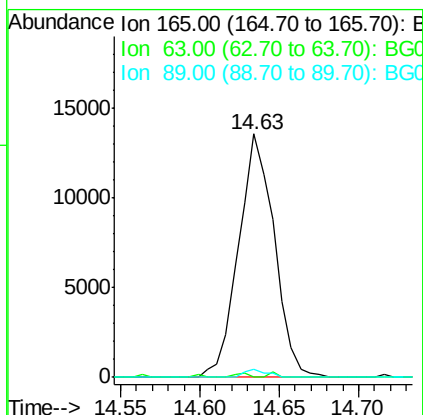
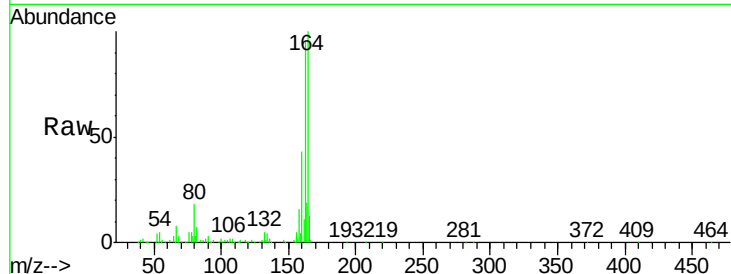




#51
 2,6-Dinitrotoluene
 Concen: 6.931 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.43 min
 Lab File: BG045167.D
 Acq: 24 Apr 2020 19:03

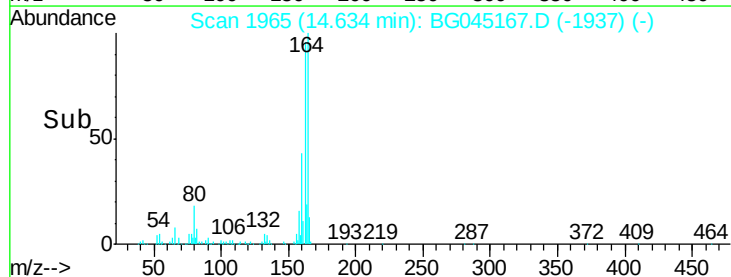
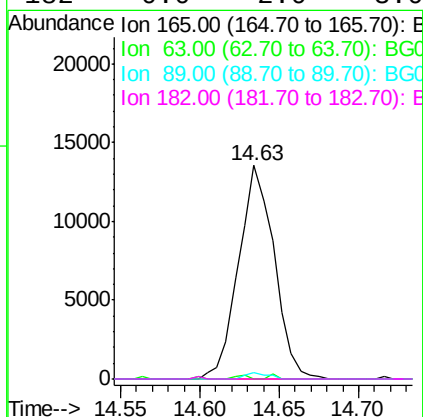
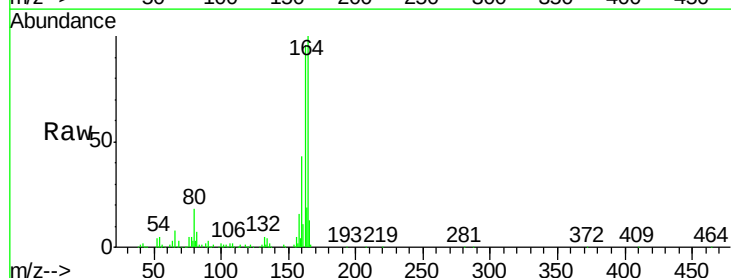
Instrument :
 BNA_G
 ClientSampleId :

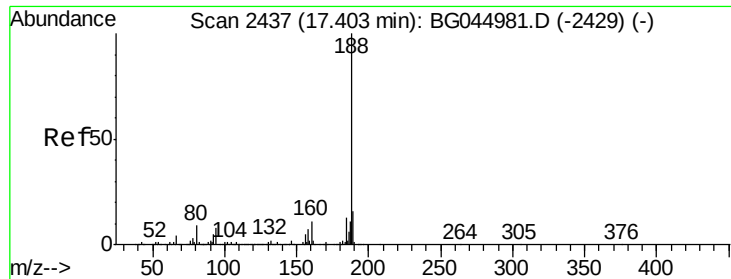
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	3.1	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.743 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.37 min
 Lab File: BG045167.D
 Acq: 24 Apr 2020 19:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	3.1	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. -0.01 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Instrument :

BNA_G

ClientSampleId :

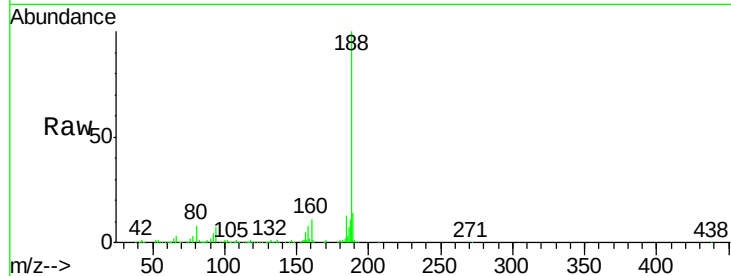
Tot Ion:188 Resp: 392839

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

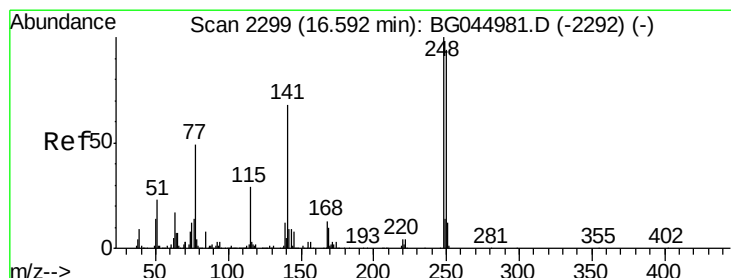
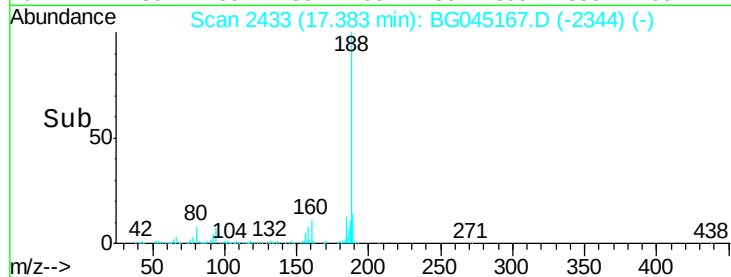
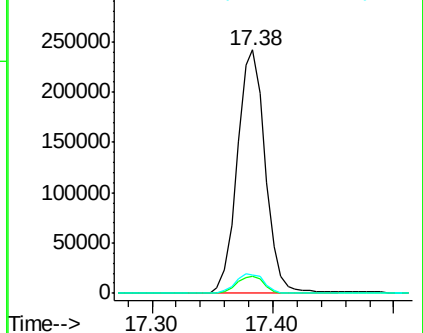
80 7.5 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 5.298 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.46 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

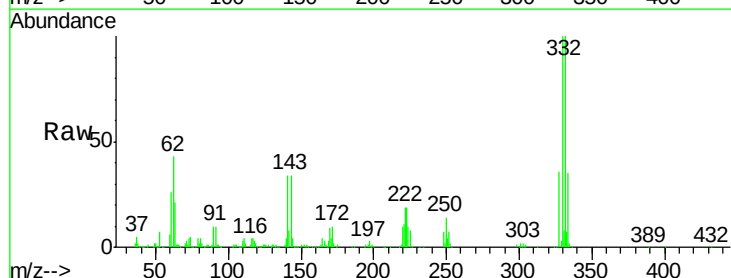
Tgt Ion:248 Resp: 26851

Ion Ratio Lower Upper

248 100

250 195.6 75.4 113.2#

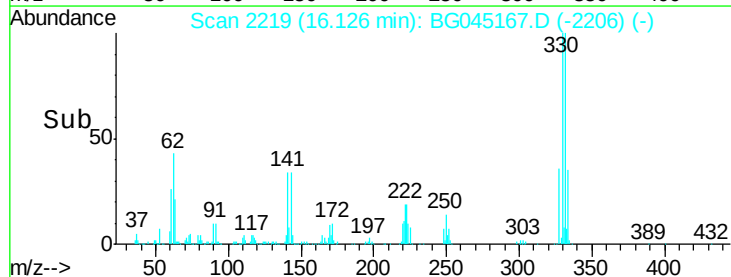
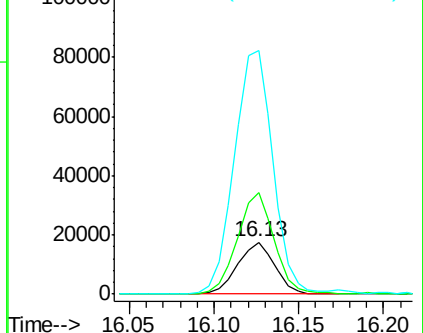
141 471.4 54.4 81.6#

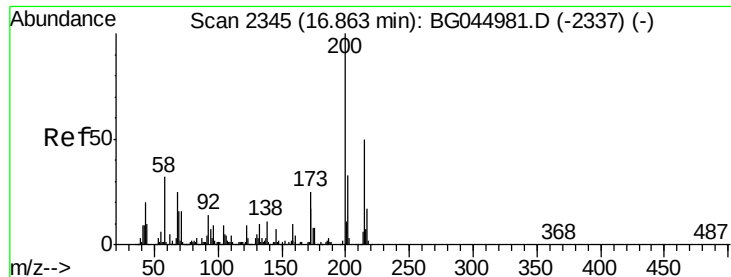


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.05 min Scan# 2376

Delta R.T. 0.20 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Instrument :

BNA_G

ClientSampled :

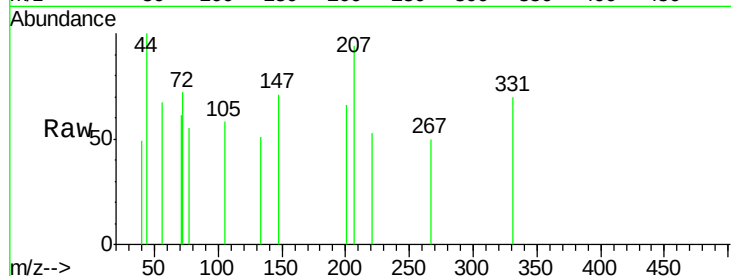
Tot Ion:200 Resp: 74

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

250

200

150

100

50

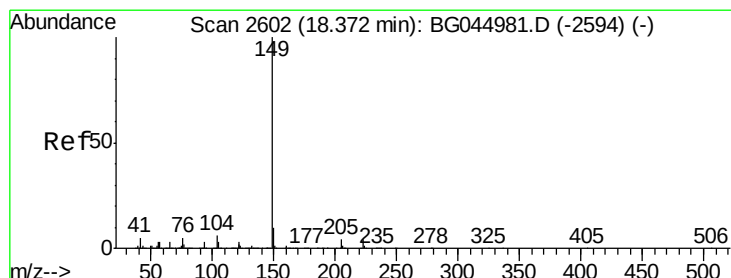
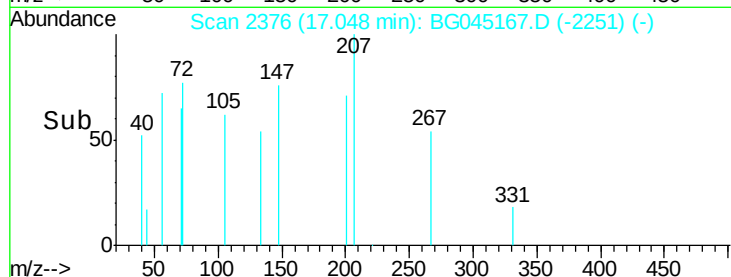
0

17.04

17.05

17.06

Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.35 min Scan# 2598

Delta R.T. -0.00 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

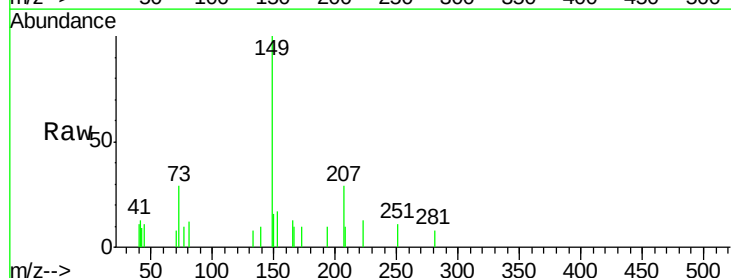
Tgt Ion:149 Resp: 2559

Ion Ratio Lower Upper

149 100

150 16.4 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

2500

2000

1500

1000

500

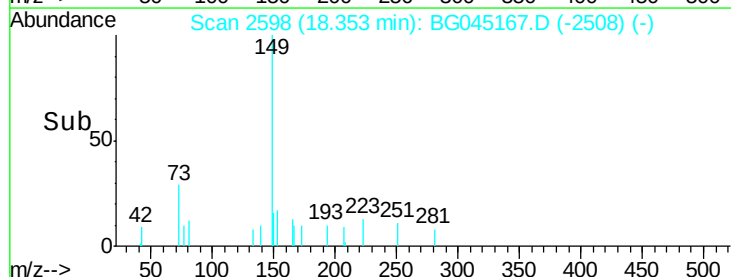
0

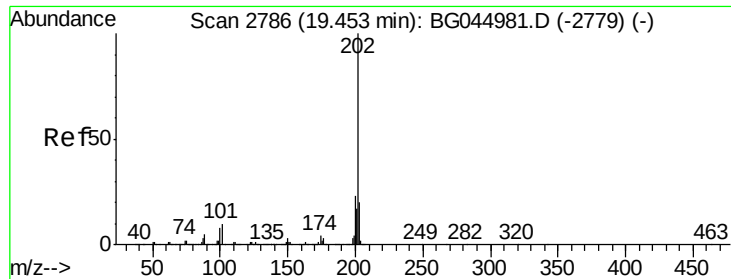
18.30

18.35

18.40

Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.58 min Scan# 2807

Delta R.T. 0.14 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Instrument :

BNA_G

ClientSampleId :

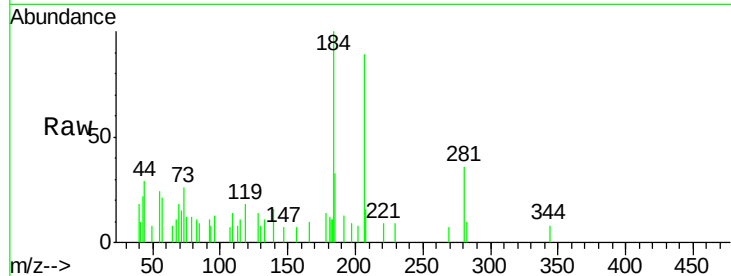
Tot Ion:202 Resp: 63

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

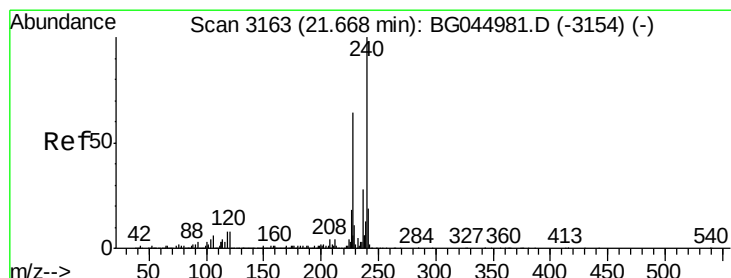
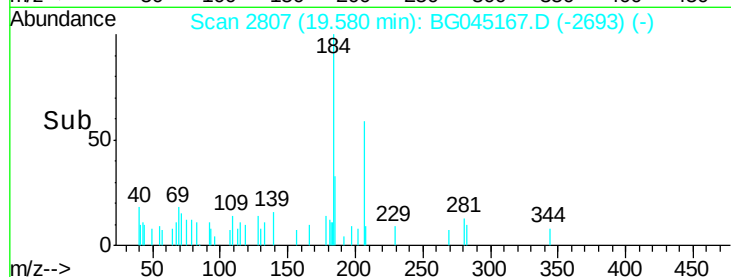
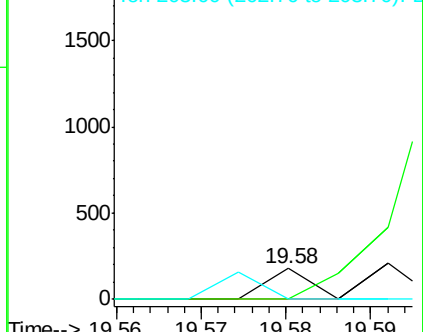
203 0.0 0.0 39.7



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: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

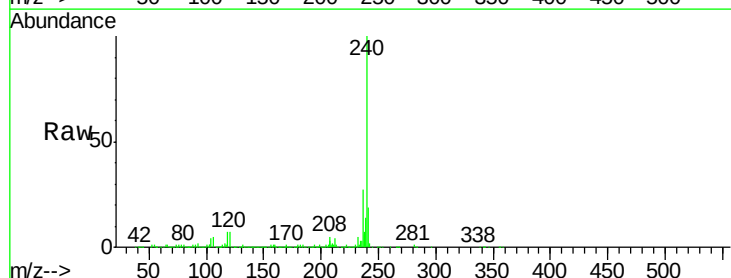
Tgt Ion:240 Resp: 439533

Ion Ratio Lower Upper

240 100

120 6.8 6.6 10.0

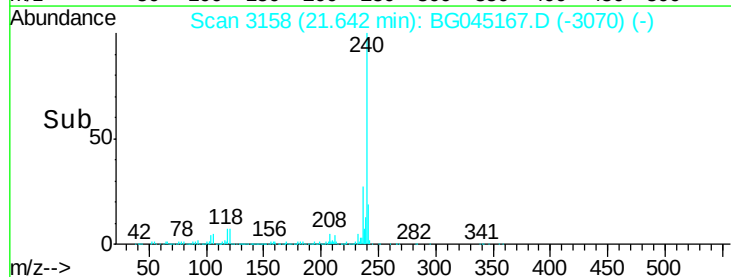
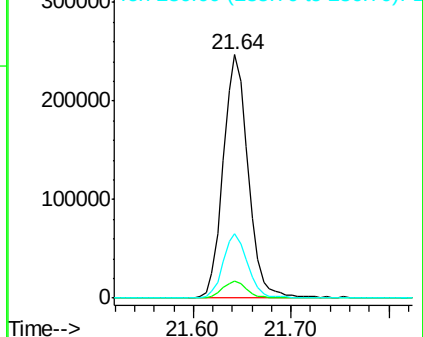
236 26.7 22.2 33.2

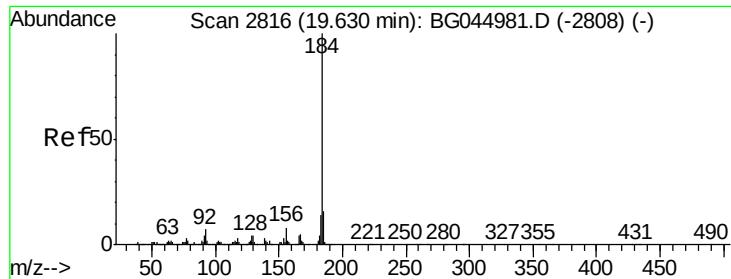


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 34.503 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

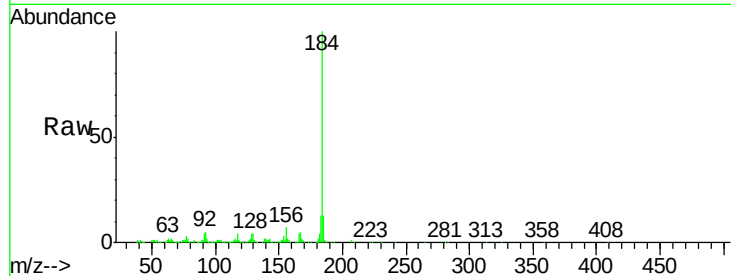
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 456934

Ion	Ratio	Lower	Upper
184	100		
185	13.5	12.6	19.0
183	13.0	11.3	16.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

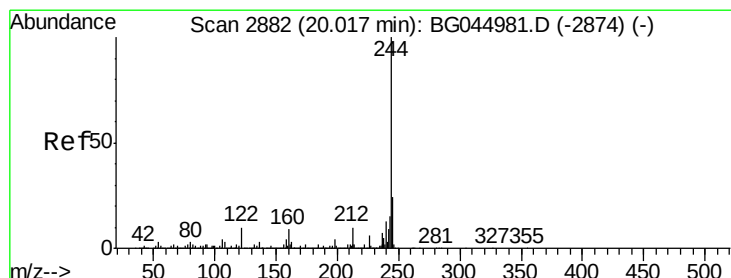
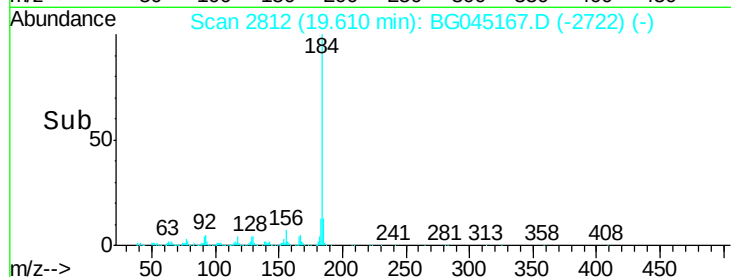
Ion 183.00 (182.70 to 183.70): E

19.61

200000

100000

Time-->



#79

Terphenyl-d14

Concen: 106.458 ng

RT: 20.00 min Scan# 2878

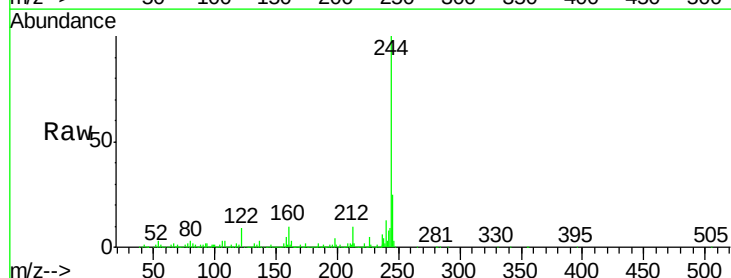
Delta R.T. -0.00 min

Lab File: BG045167.D

Acq: 24 Apr 2020 19:03

Tgt Ion:244 Resp: 2146842

Ion	Ratio	Lower	Upper
244	100		
212	10.1	7.9	11.9
122	9.3	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

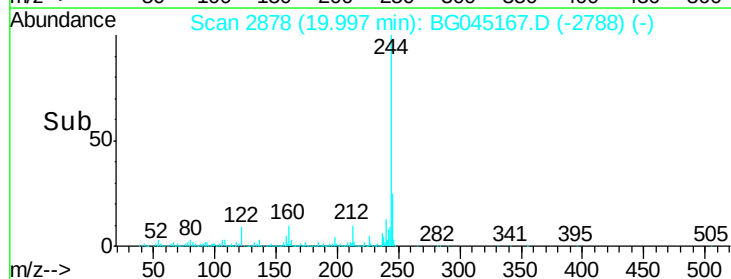
20.00

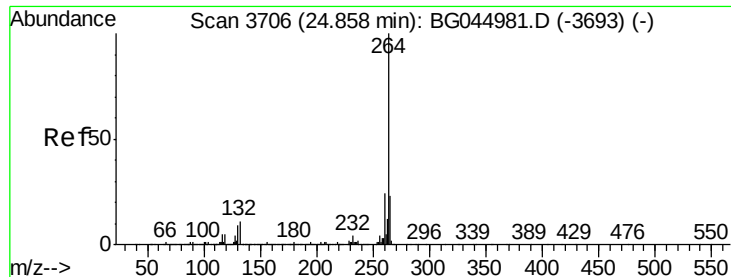
1500000

1000000

500000

Time-->

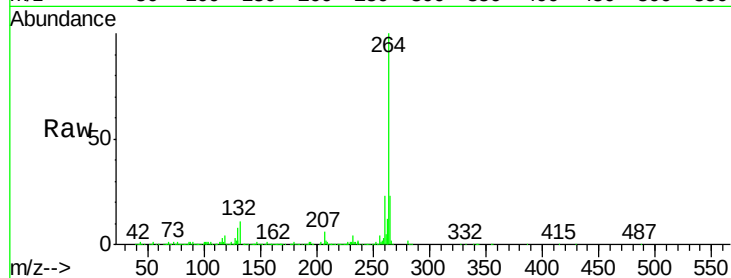




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.01 min
Lab File: BG045167.D
Acq: 24 Apr 2020 19:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.8	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

