

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042420\
 Data File : BG045158.D
 Acq On : 24 Apr 2020 13:02
 Operator : CG/JU
 Sample : PB128463BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128463BL

Quant Time: Apr 24 13:37:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 13:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	62023	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	243846	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	173616	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	416418	20.00	ng	0.00
76) Chrysene-d12	21.65	240	454718	20.00	ng	0.00
87) Perylene-d12	24.82	264	459485	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	534615	142.31	ng	0.00
7) Phenol-d6	7.17	99	723976	129.71	ng	0.00
23) Nitrobenzene-d5	9.16	82	507166	94.90	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	362204	135.04	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1153059	97.38	ng	0.00
79) Terphenyl-d14	20.00	244	2117487	101.50	ng	0.00

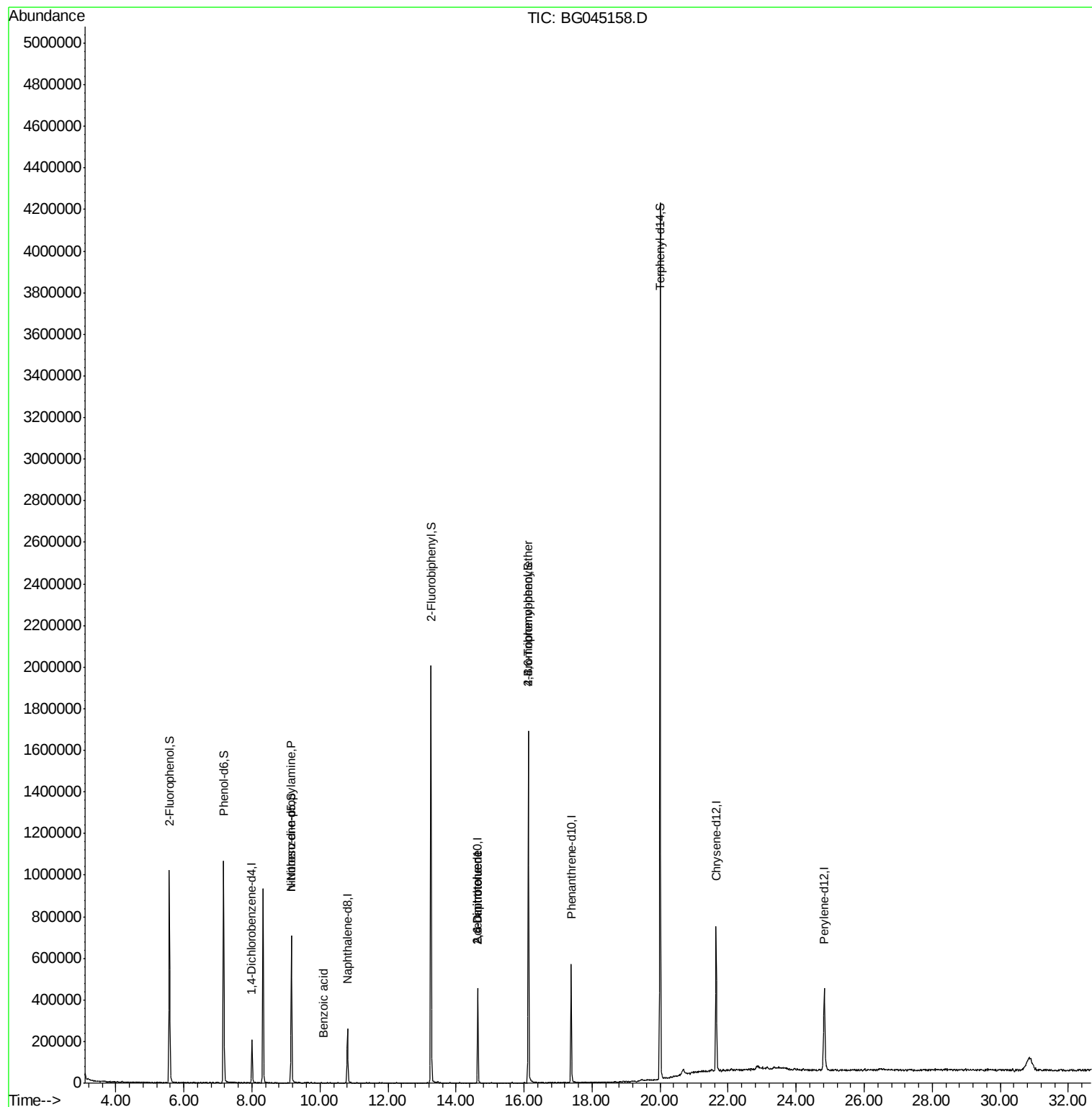
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	1584	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	66209	16.773	ng	78
32) Benzoic acid	10.10	122	57	6.390	ng	1
51) 2,6-Dinitrotoluene	14.64	165	22814	7.215	ng	25
57) 2,4-Dinitrotoluene	14.64	165	22814	4.937	ng	22
67) 4-Bromophenyl-phenylether	16.12	248	23757	4.422	ng	1
74) Di-n-butylphthalate	18.34	149	77	Below Cal	#	76
75) Fluoranthene	19.44	202	330	Below Cal	#	62
77) Benzidine	20.00	184	40909	Below Cal	#	91

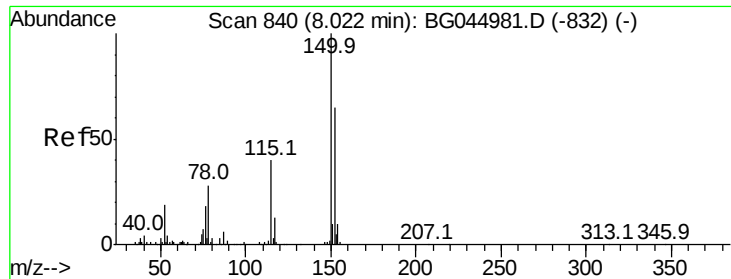
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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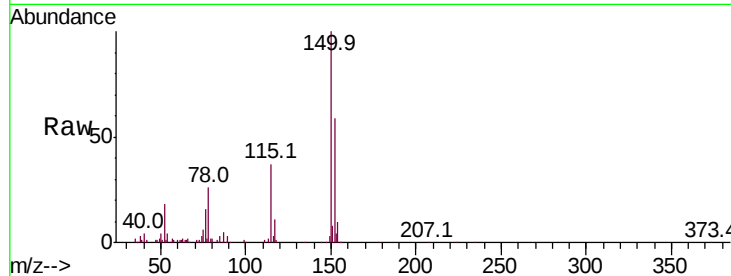


#1

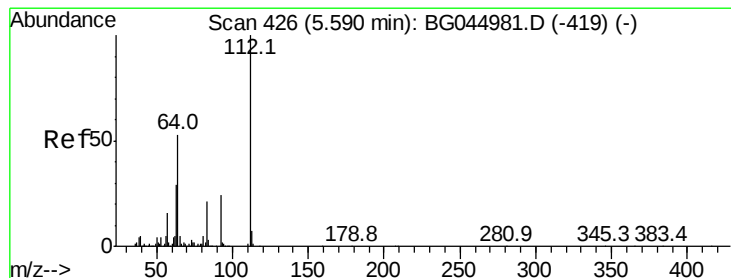
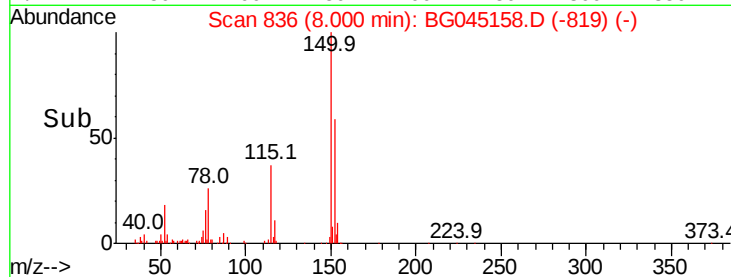
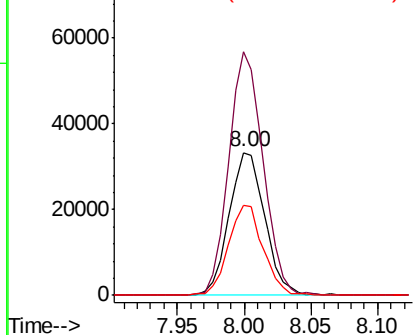
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045158.D
Acq: 24 Apr 2020 13:02

Instrument :
BNA_G
ClientSampleId :
PB128463BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	170.4	123.6	185.4
115	62.7	49.1	73.7



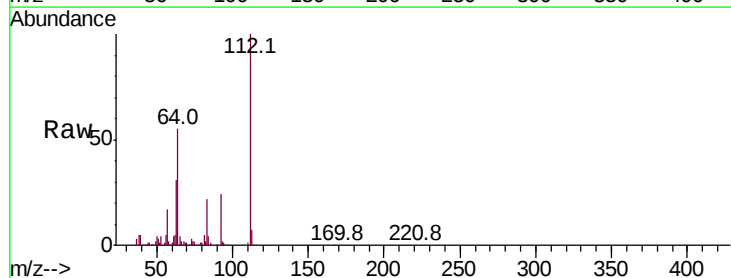
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



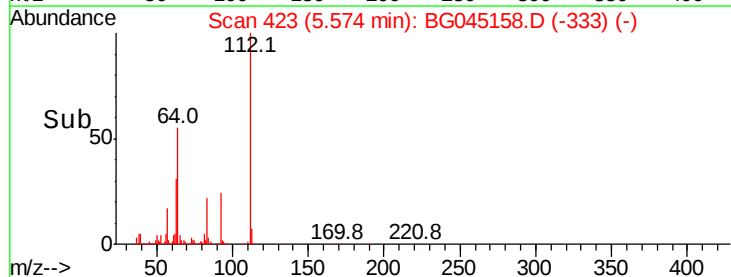
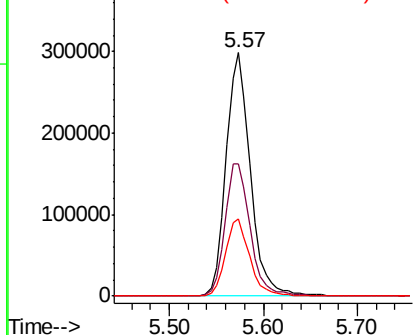
#5

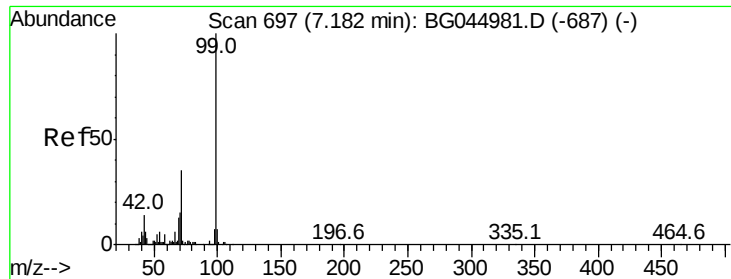
2-Fluorophenol
Concen: 142.305 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG045158.D
Acq: 24 Apr 2020 13:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	42.4	63.6
63	31.5	23.1	34.7



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: 129.706 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA_G

ClientSampleId :

PB128463BL

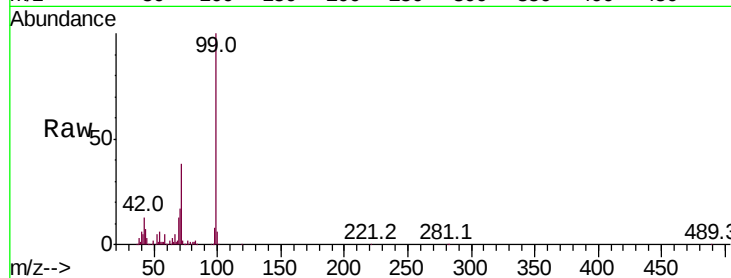
Tot Ion: 99 Resp: 723976

Ion Ratio Lower Upper

99 100

42 13.3 11.3 16.9

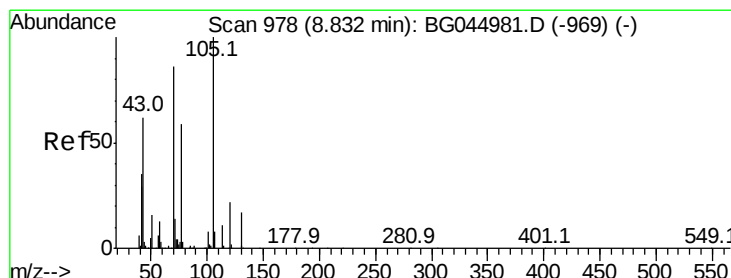
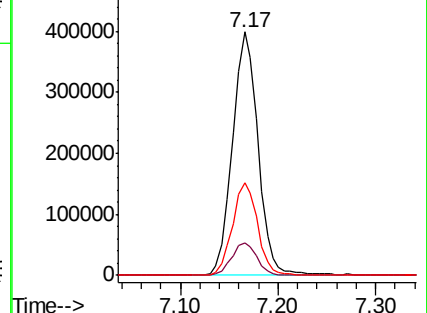
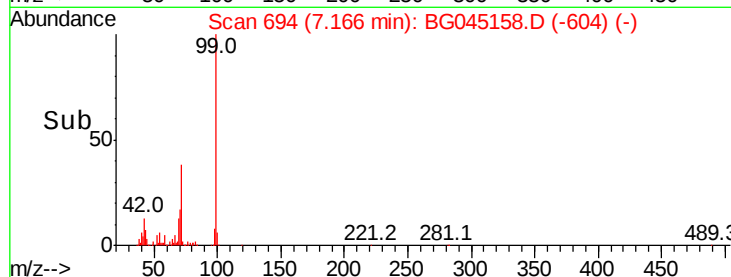
71 38.0 28.3 42.5



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: 16.773 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Tgt Ion: 70 Resp: 66209

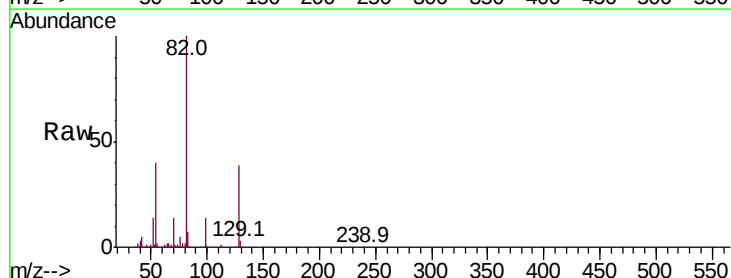
Ion Ratio Lower Upper

70 100

42 33.3 33.3 49.9#

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#

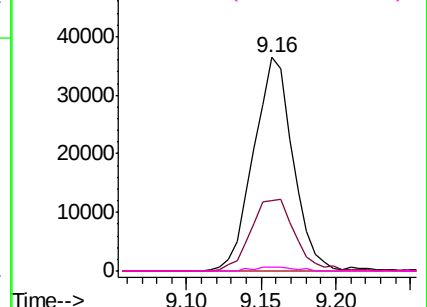
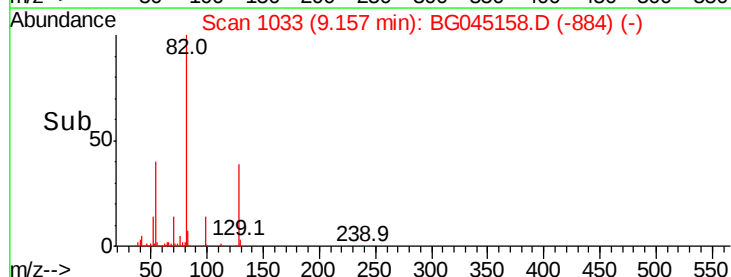


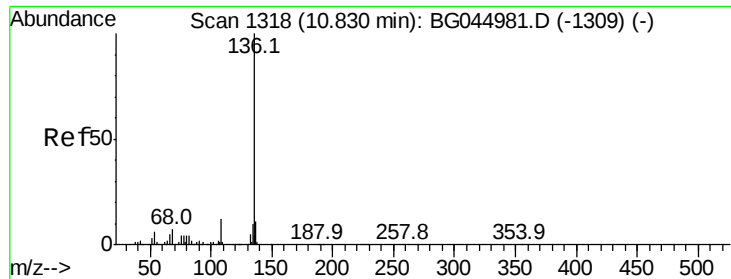
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

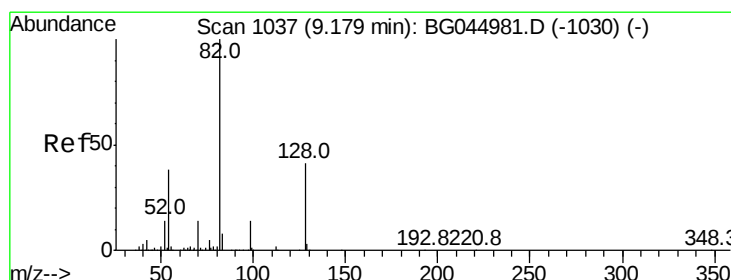
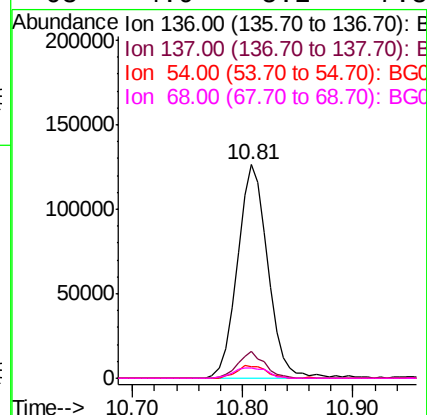
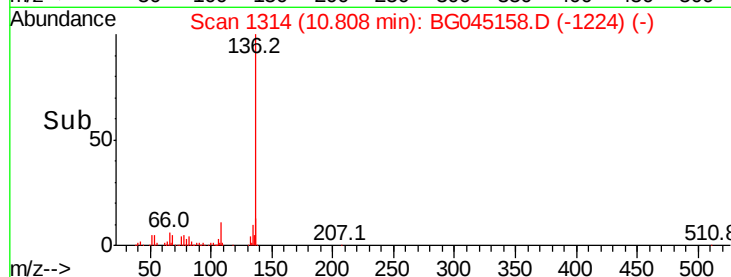
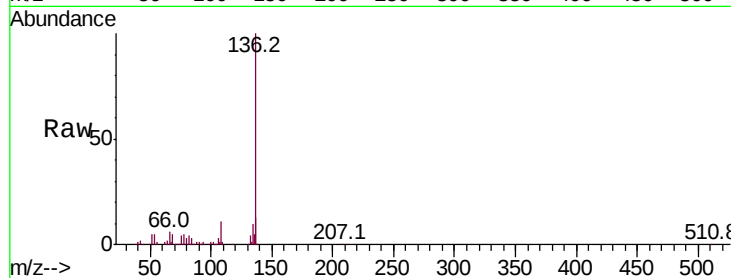




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045158.D
Acq: 24 Apr 2020 13:02

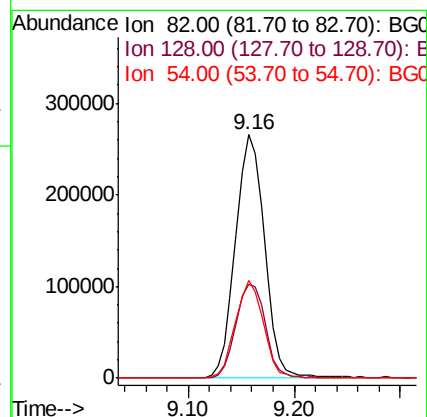
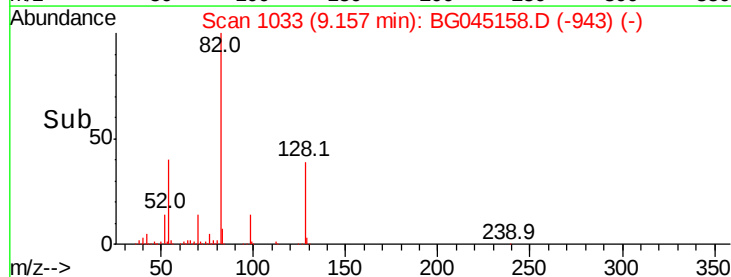
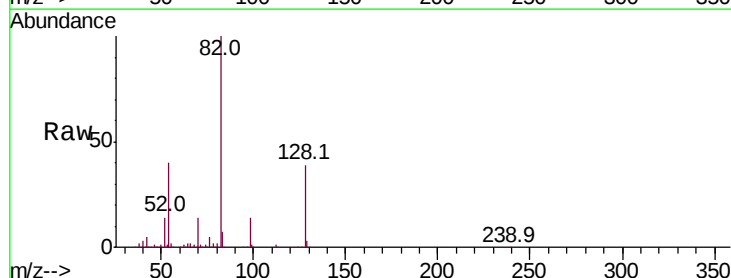
Instrument :
BNA_G
ClientSampleId :
PB128463BL

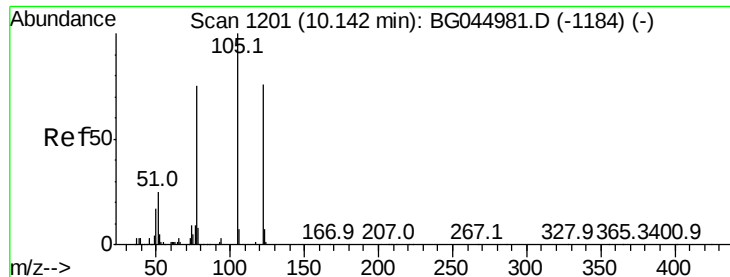
Tot Ion	Ratio	Lower	Upper
136	100		
137	12.7	8.6	13.0
54	5.4	4.8	7.2
68	4.9	5.2	7.8



#23
Nitrobenzene-d5
Concen: 94.902 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG045158.D
Acq: 24 Apr 2020 13:02

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.0	49.4
54	40.1	30.4	45.6





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA_G

ClientSampleId :

PB128463BL

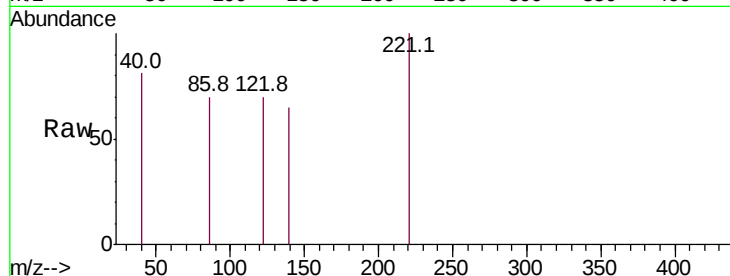
Tot Ion:122 Resp: 57

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): E

10.10

150

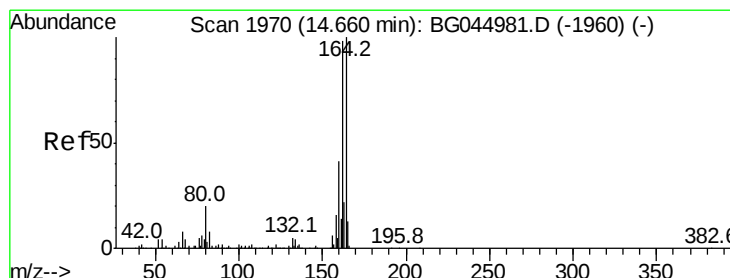
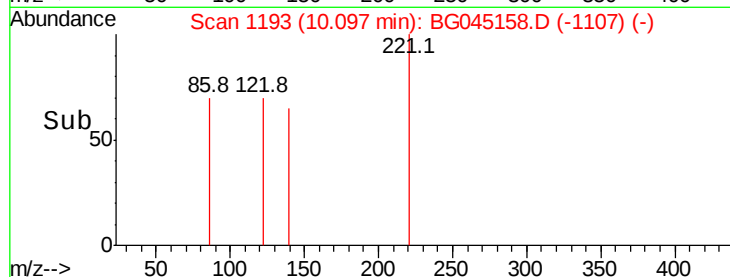
100

50

0

10.08 10.10

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

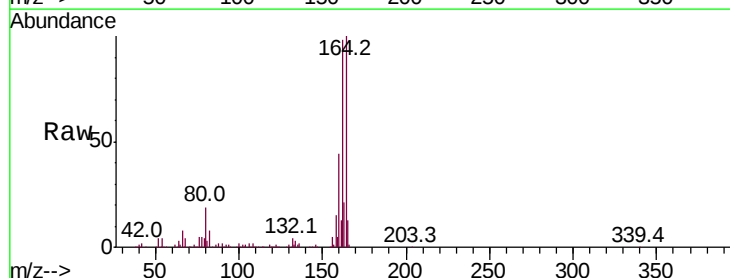
Tgt Ion:164 Resp: 173616

Ion Ratio Lower Upper

164 100

162 97.8 78.7 118.1

160 44.4 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

14.64

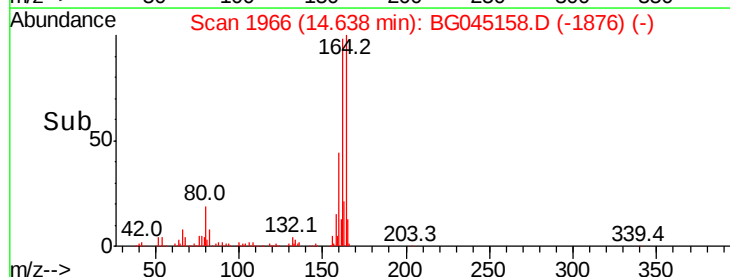
100000

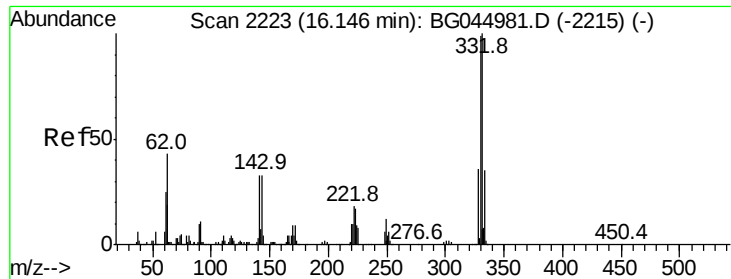
50000

0

14.60 14.70

Time-->

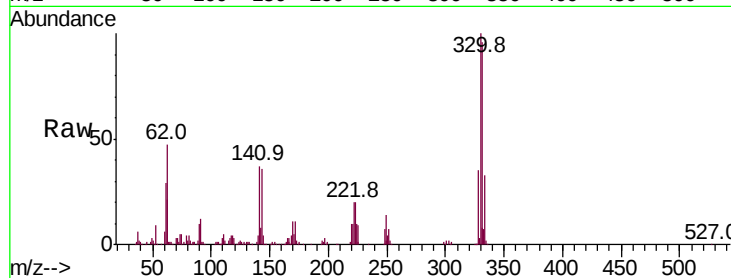




#42
 2,4,6-Tribromophenol
 Concen: 135.043 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG045158.D
 Acq: 24 Apr 2020 13:02

Instrument :
 BNA_G
 ClientSampleId :
 PB128463BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.1	118.7
141	35.3	27.1	40.7

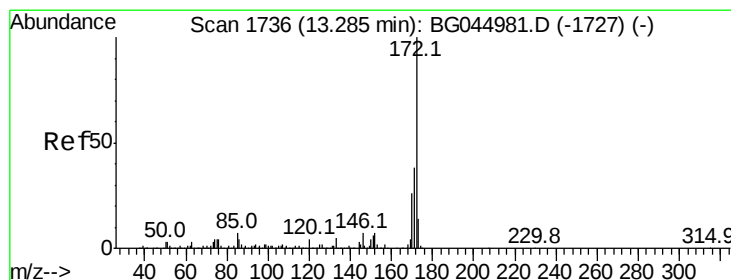
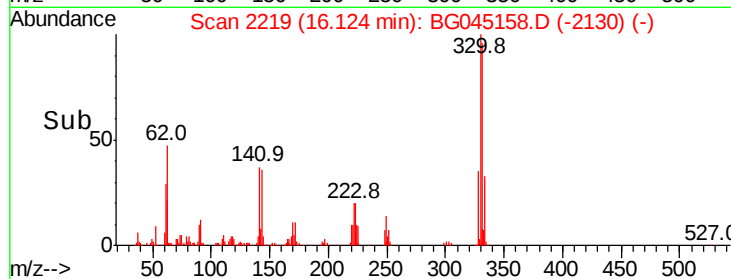
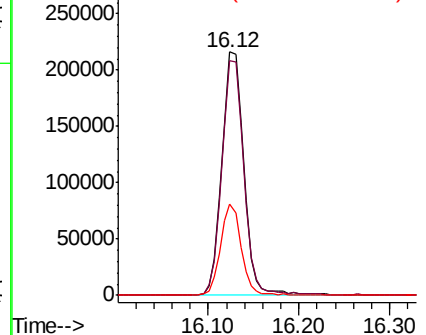


Abundance

Ion 329.80 (329.50 to 330.50): E

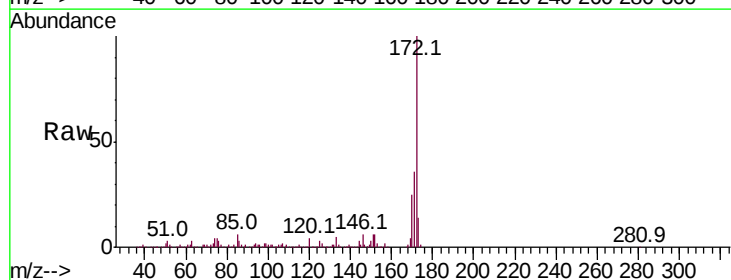
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.385 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045158.D
 Acq: 24 Apr 2020 13:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.6	46.0
170	24.7	20.5	30.7

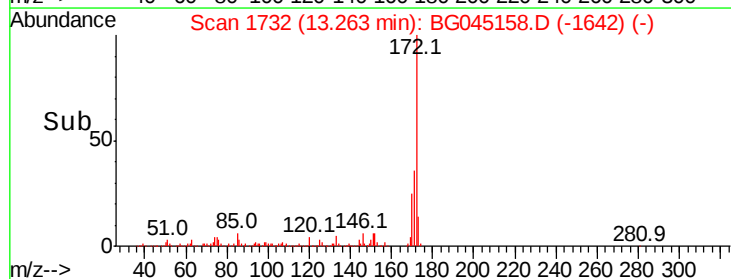
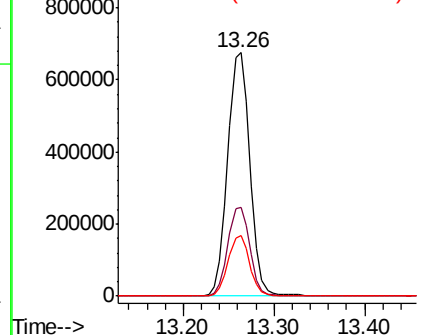


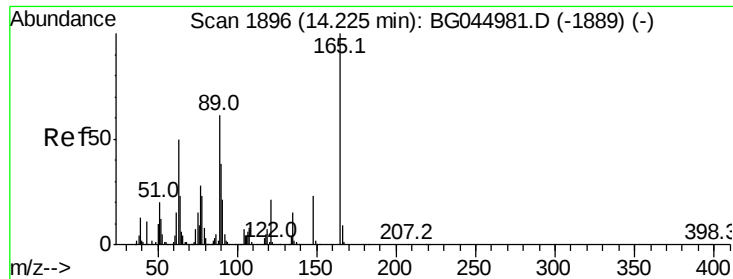
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

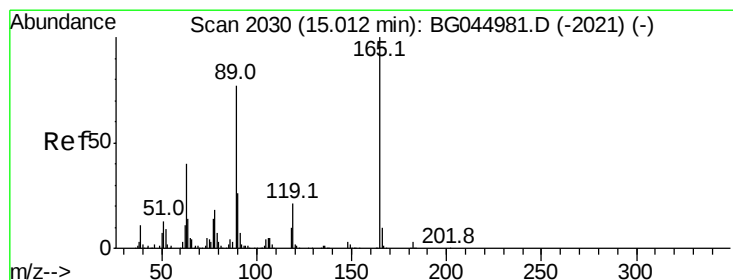
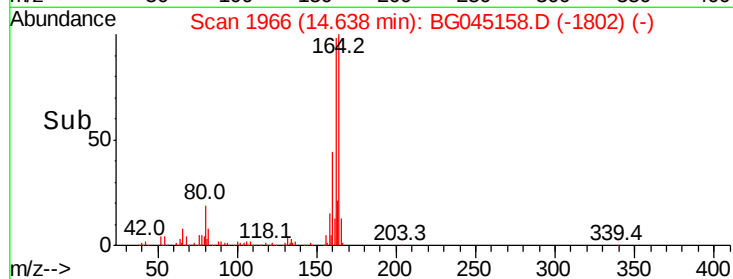
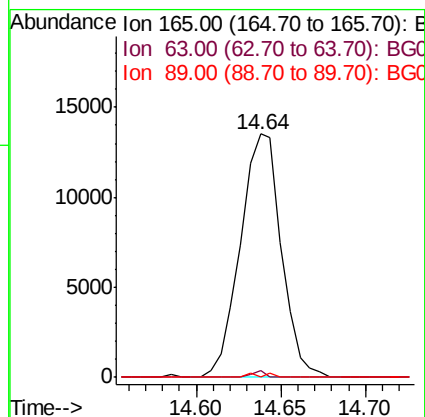
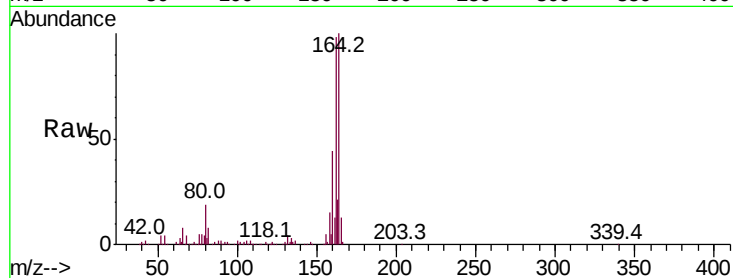




#51
 2,6-Dinitrotoluene
 Concen: 7.215 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.43 min
 Lab File: BG045158.D
 Acq: 24 Apr 2020 13:02

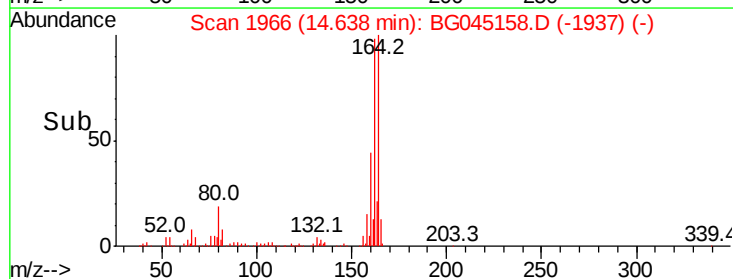
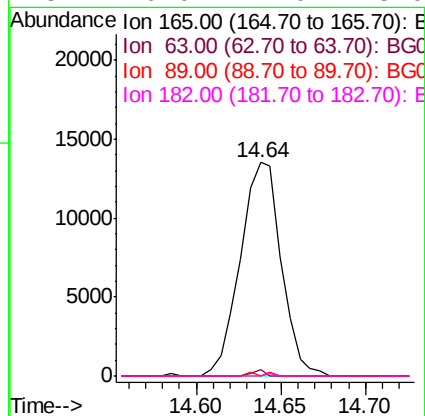
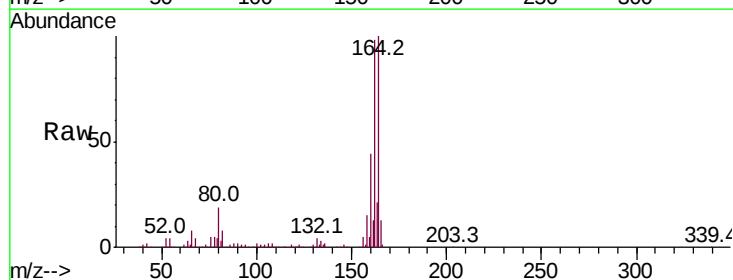
Instrument :
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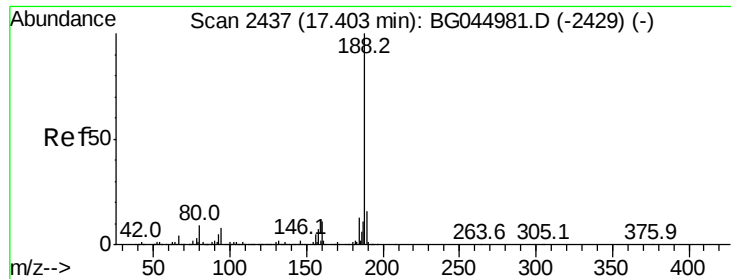
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	40.4	60.6#
89	0.0	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.937 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.36 min
 Lab File: BG045158.D
 Acq: 24 Apr 2020 13:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	32.2	48.2#
89	0.0	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: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA_G

ClientSampleId :

PB128463BL

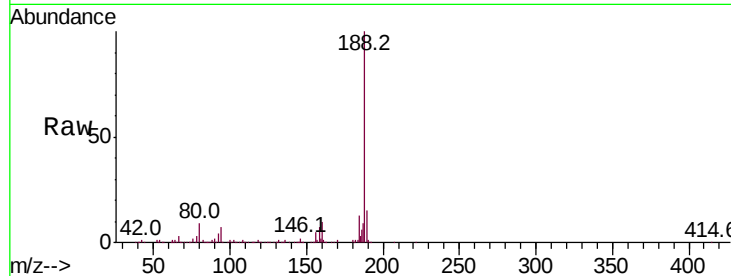
Tot Ion:188 Resp: 416418

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

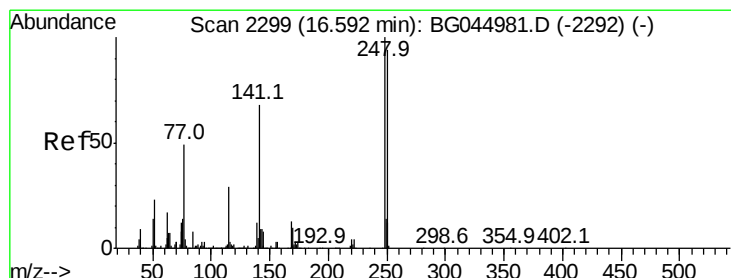
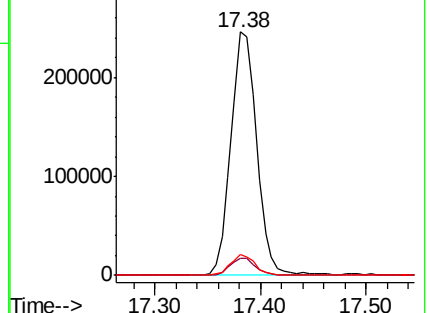
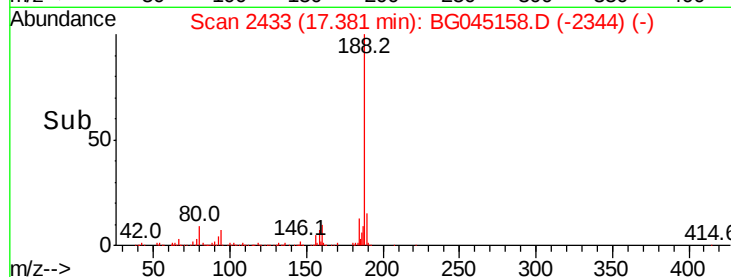
80 8.6 7.0 10.6



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: 4.422 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

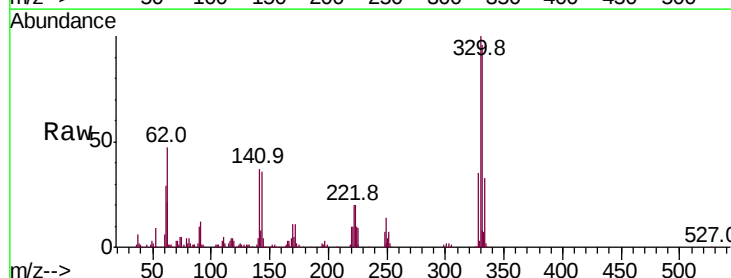
Tgt Ion:248 Resp: 23757

Ion Ratio Lower Upper

248 100

250 211.7 75.4 113.2#

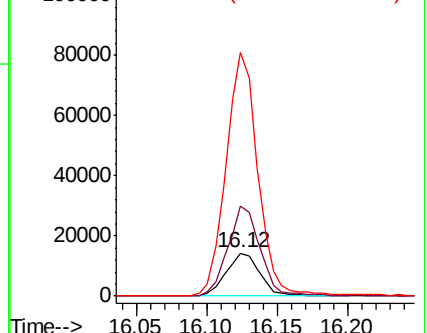
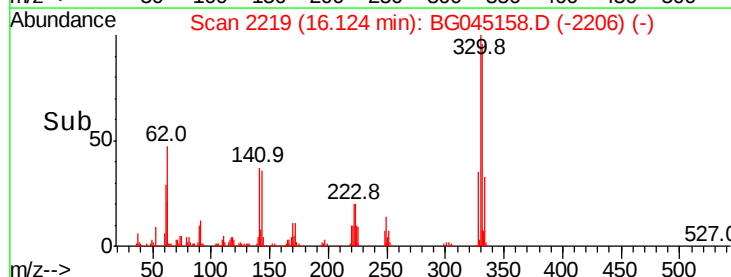
141 569.8 54.4 81.6#

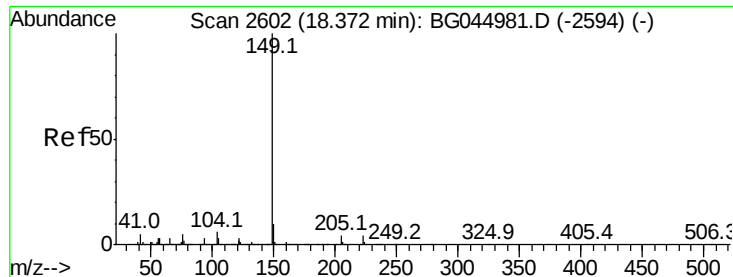


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

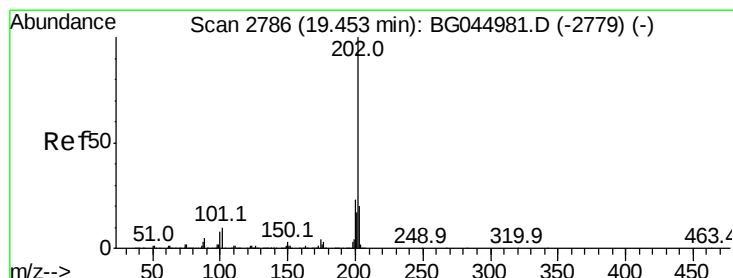
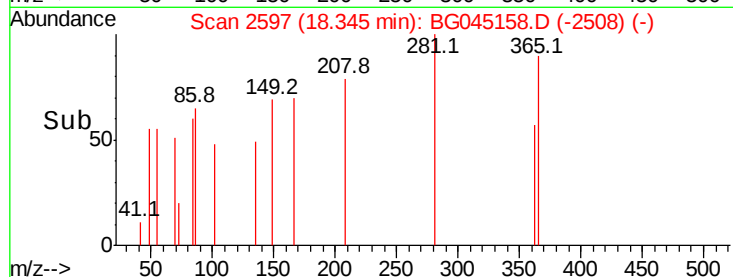
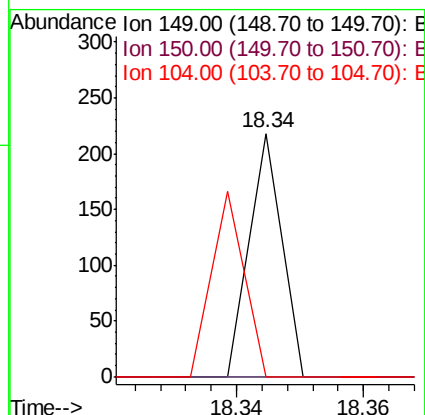
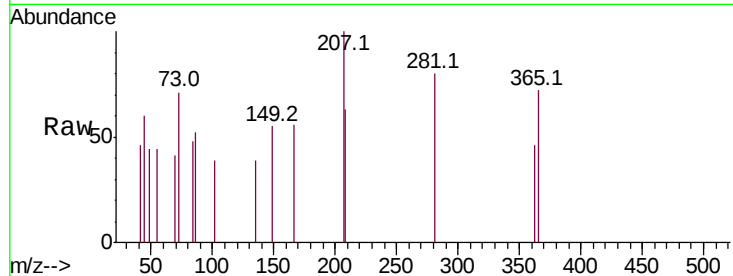




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.34 min Scan# 2597
Delta R.T. -0.01 min
Lab File: BG045158.D
Acq: 24 Apr 2020 13:02

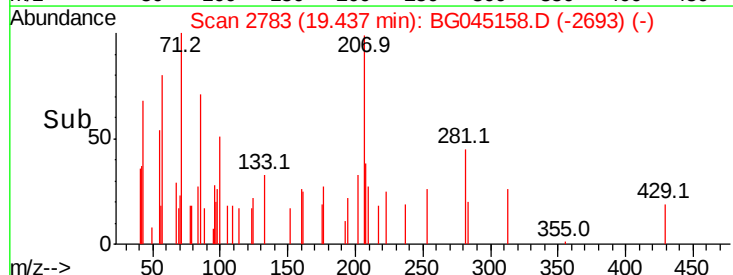
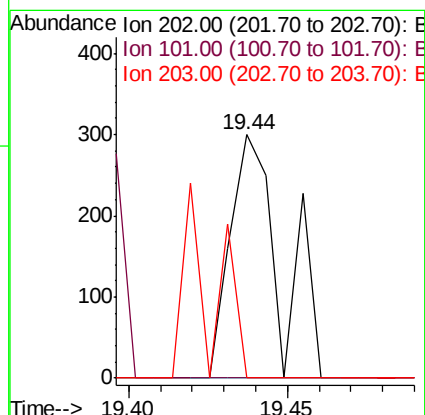
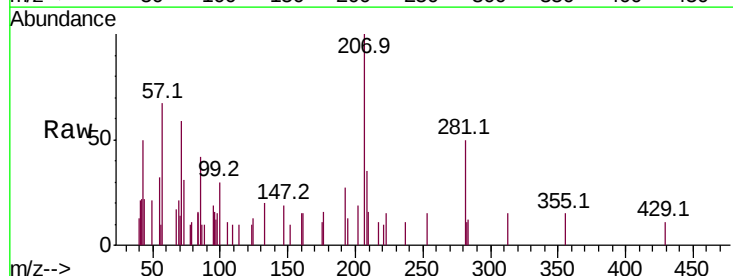
Instrument :
BNA_G
ClientSampleId :
PB128463BL

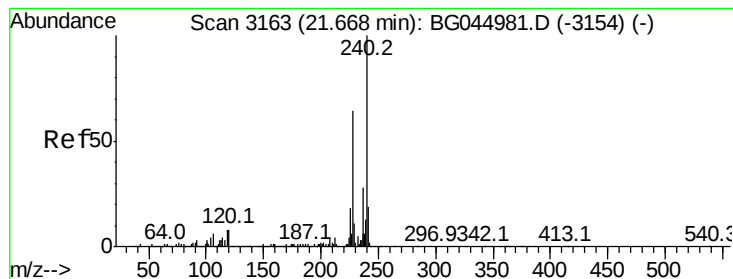
Tot Ion:149 Resp: 77
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.44 min Scan# 2783
Delta R.T. -0.00 min
Lab File: BG045158.D
Acq: 24 Apr 2020 13:02

Tgt Ion:202 Resp: 330
Ion Ratio Lower Upper
202 100
101 0.0 0.0 29.6
203 0.0 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

BNA_G

ClientSampleId :

PB128463BL

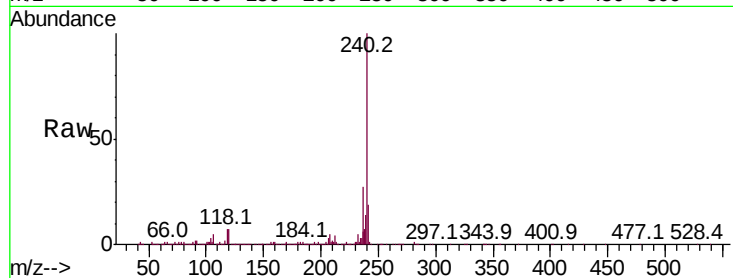
Tot Ion:240 Resp: 454718

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

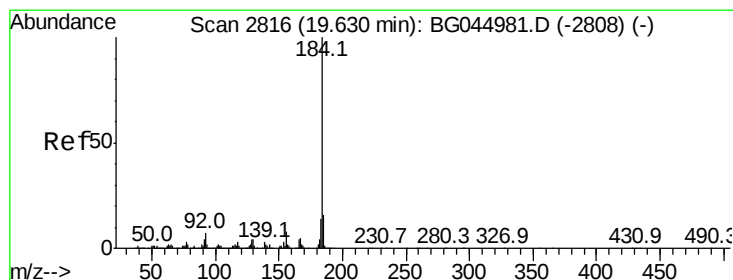
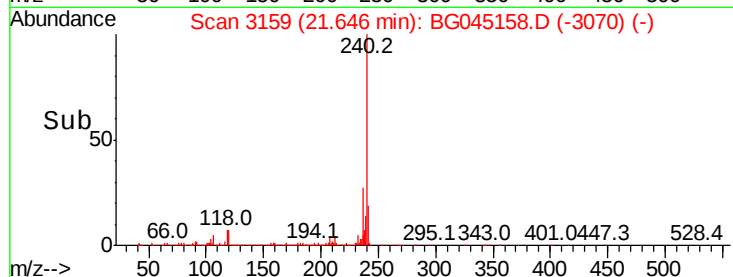
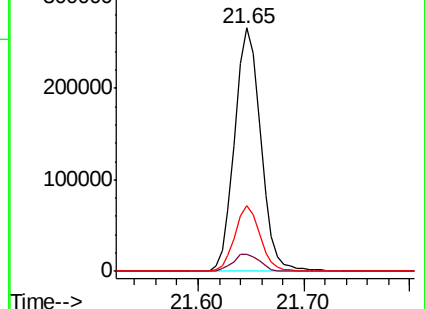
236 27.1 22.2 33.2



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: 20.00 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

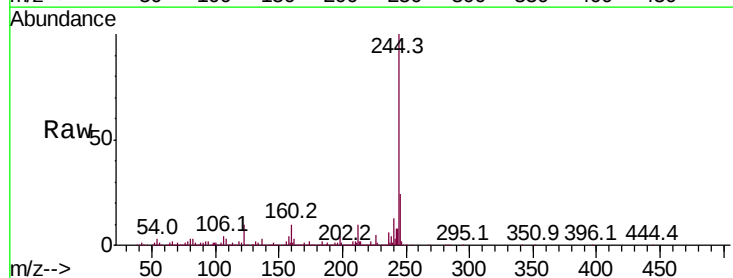
Tgt Ion:184 Resp: 40909

Ion Ratio Lower Upper

184 100

185 15.1 12.6 19.0

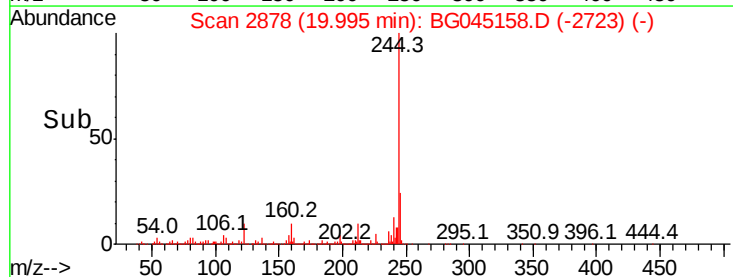
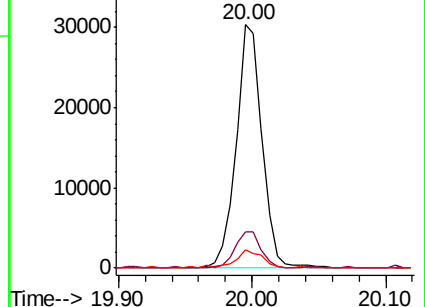
183 7.3 11.3 16.9#

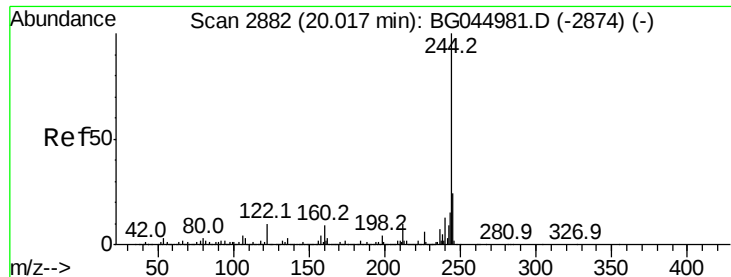


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 101.496 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Instrument :

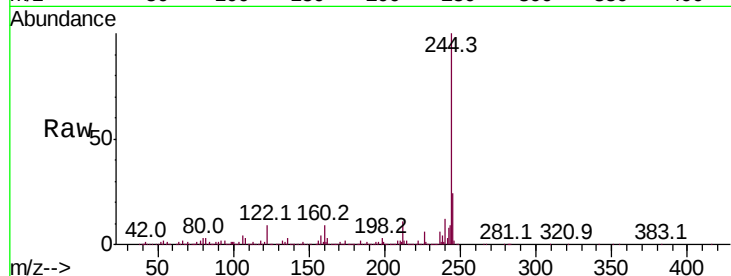
BNA_G

ClientSampleId :

PB128463BL

Tot Ion:244 Resp: 2117487

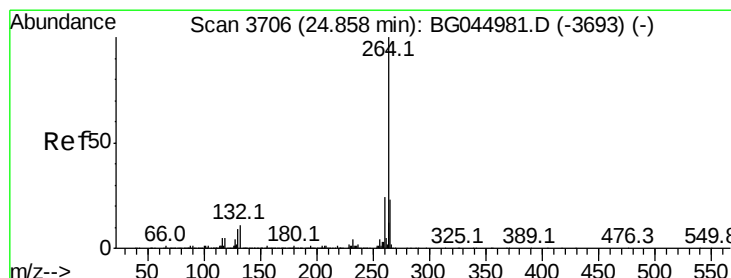
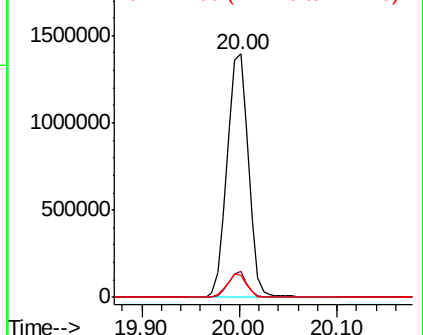
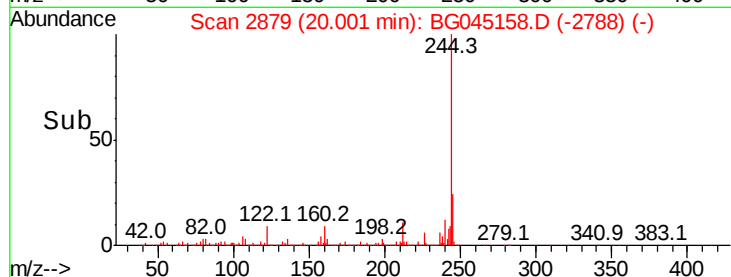
Ion	Ratio	Lower	Upper
244	100		
212	10.6	7.9	11.9
122	8.9	7.7	11.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3700

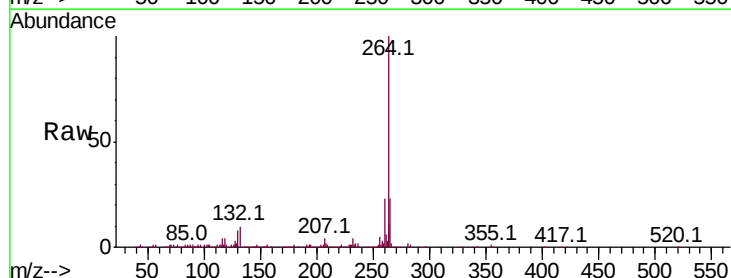
Delta R.T. -0.01 min

Lab File: BG045158.D

Acq: 24 Apr 2020 13:02

Tgt Ion:264 Resp: 459485

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

