

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045289.D
 Acq On : 8 May 2020 3:59
 Operator : CG/JU
 Sample : L2525-02 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 08 04:54:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	89546	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	328869	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	203275	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	401328	20.00	ng	0.00
76) Chrysene-d12	21.65	240	388813	20.00	ng	0.00
87) Perylene-d12	24.86	264	409973	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	90735	16.73	ng	0.00
7) Phenol-d6	7.15	99	130098	16.14	ng	0.00
23) Nitrobenzene-d5	9.14	82	87993	12.21	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	48115	15.32	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	185002	13.35	ng	0.00
79) Terphenyl-d14	19.99	244	251670	14.11	ng	0.00

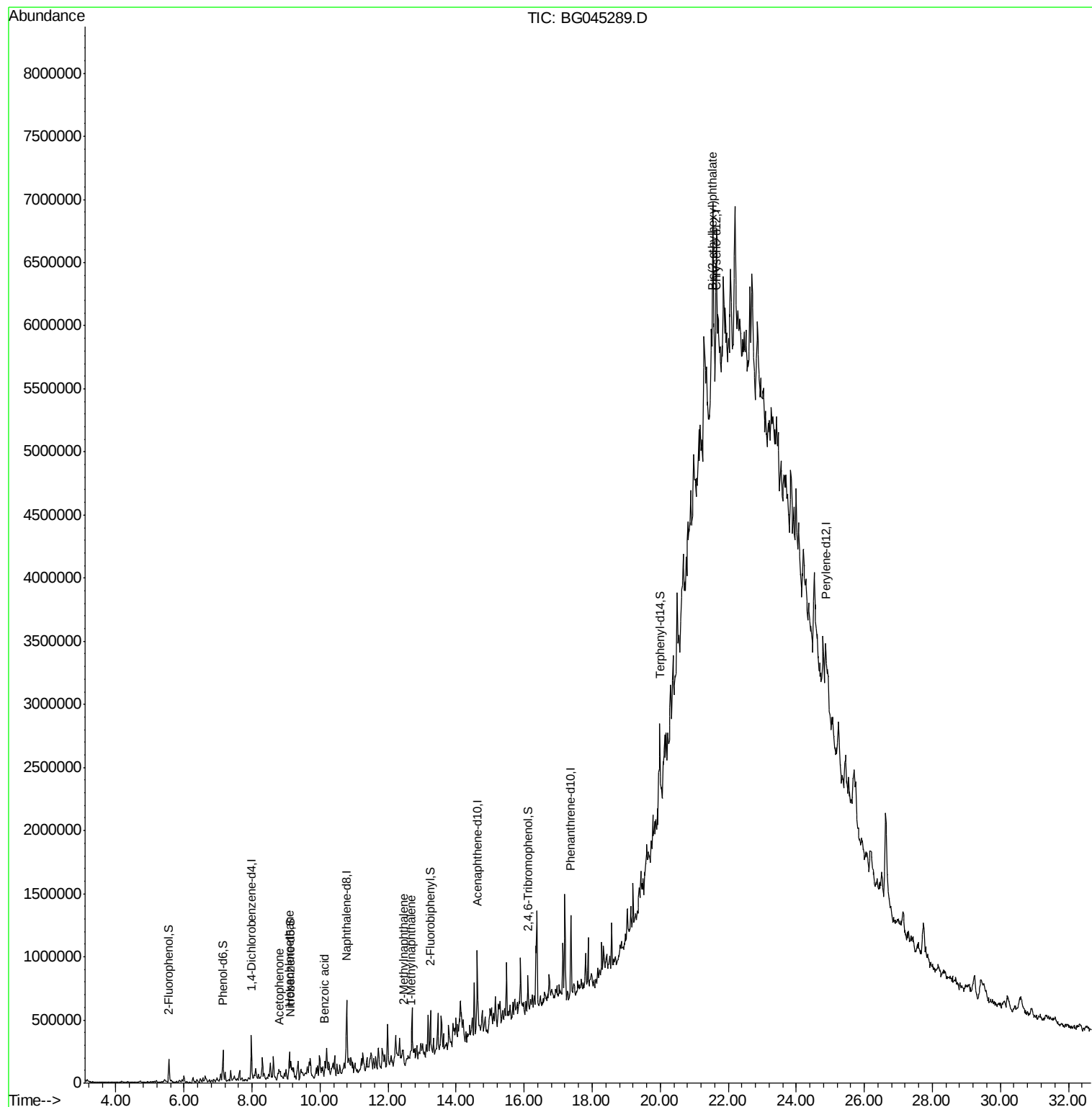
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	5485	Below Cal		# 1
18) Hexachloroethane	9.10	117	24071	9.355	ng	# 1
22) Acetophenone	8.80	105	49919	5.613	ng	# 61
32) Benzoic acid	10.13	122	133	6.402	ng	# 1
37) 2-Methylnaphthalene	12.45	142	28880	2.068	ng	95
38) 1-Methylnaphthalene	12.67	142	26375	2.001	ng	# 88
69) Atrazine	16.87	200	8219	Below Cal		73
75) Fluoranthene	19.79	202	29302	Below Cal		73
77) Benzidine	19.60	184	2602	Below Cal		# 1
84) Bis(2-ethylhexyl)phthalate	21.55	149	537185	35.153	ng	99

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

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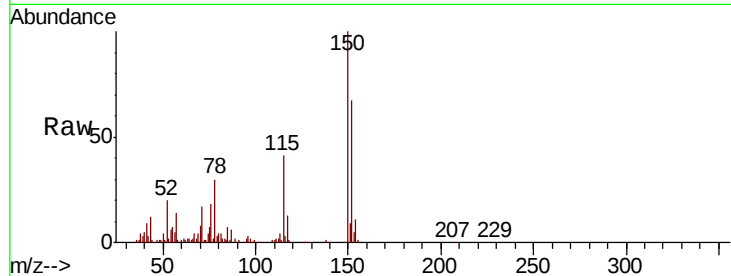


#1

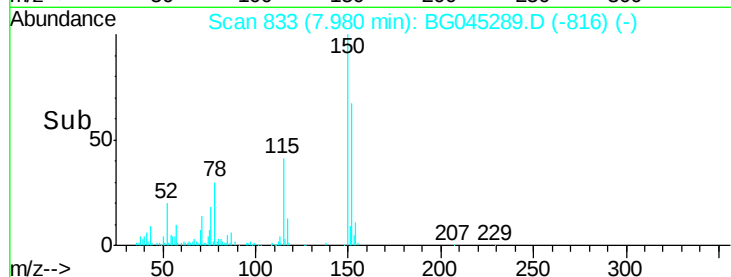
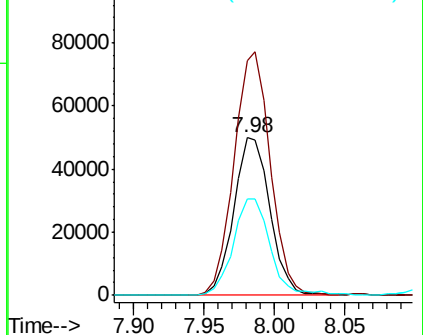
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 89546
Ion Ratio Lower Upper
152 100
150 148.7 123.6 185.4
115 61.0 49.1 73.7



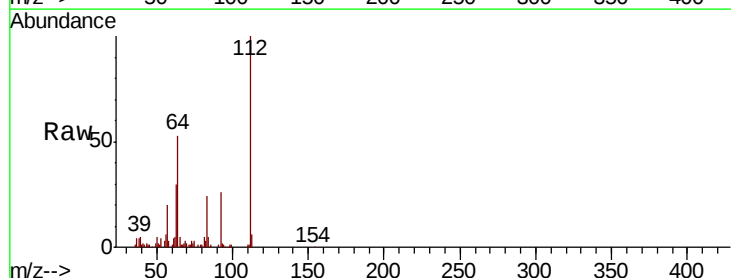
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



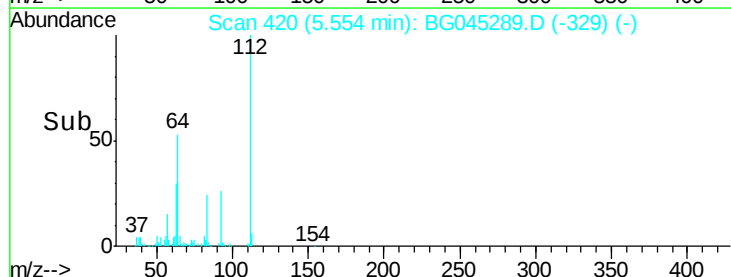
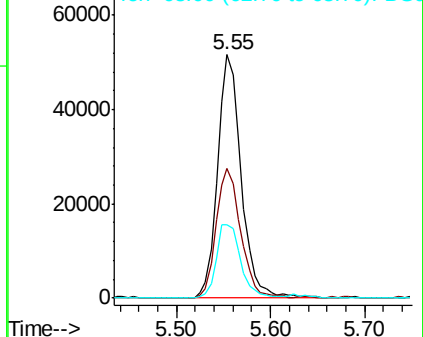
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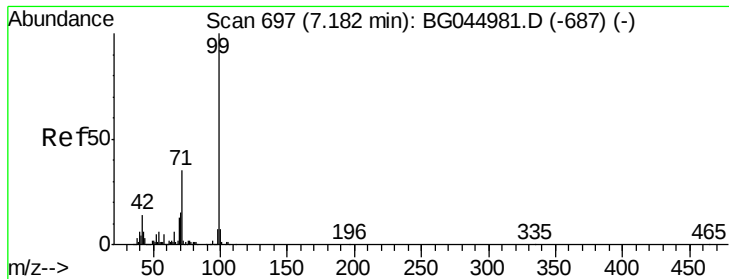
2-Fluorophenol
Concen: 16.729 ng
RT: 5.55 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

Tgt Ion:112 Resp: 90735
Ion Ratio Lower Upper
112 100
64 53.2 42.4 63.6
63 30.0 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: 16.144 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

Instrument :

BNA_G

ClientSampleId :

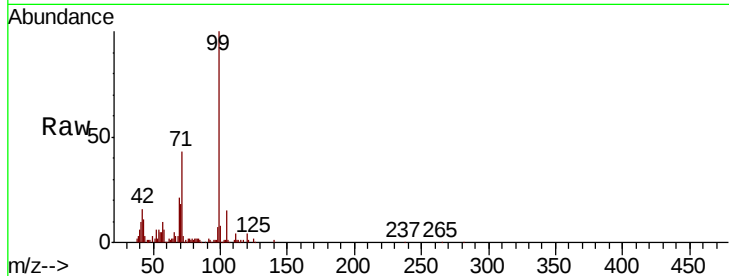
Tot Ion: 99 Resp: 130098

Ion Ratio Lower Upper

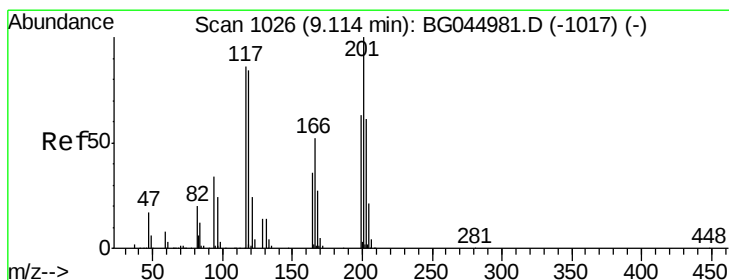
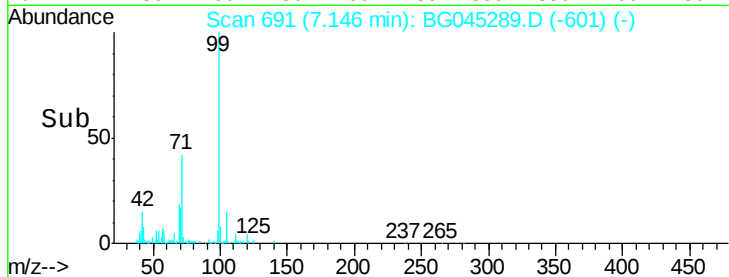
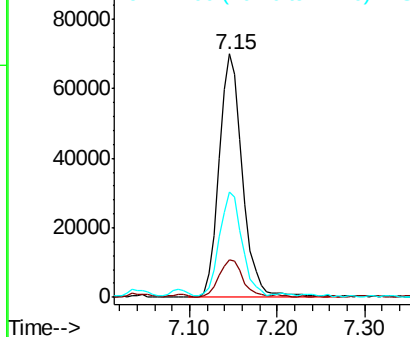
99 100

42 15.5 11.3 16.9

71 43.0 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



#18

Hexachloroethane

Concen: 9.355 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.03 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

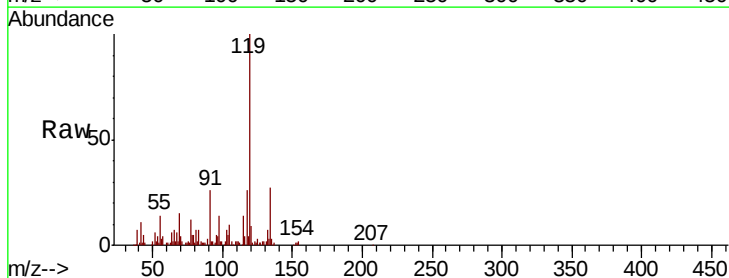
Tgt Ion: 117 Resp: 24071

Ion Ratio Lower Upper

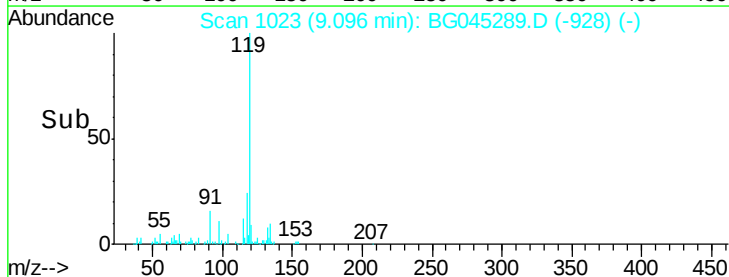
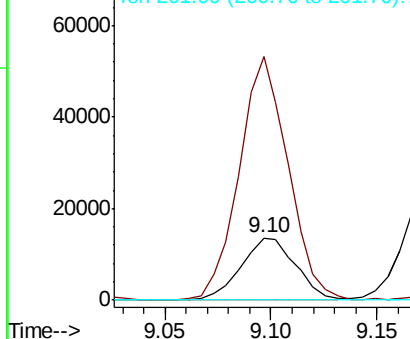
117 100

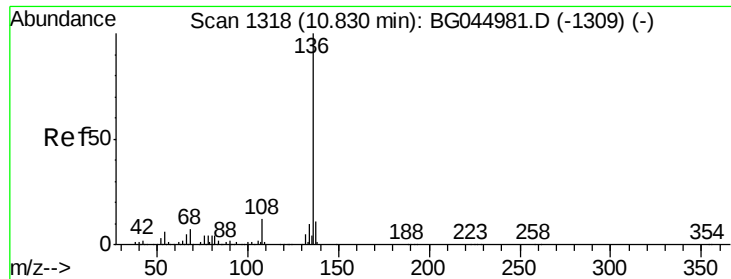
119 390.8 78.3 117.5#

201 0.0 92.9 139.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

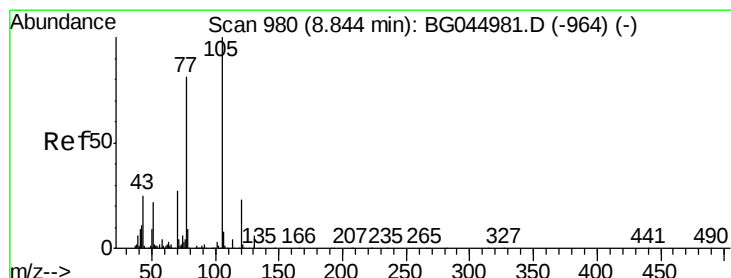
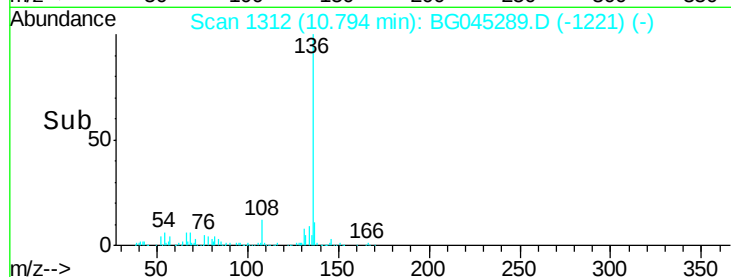
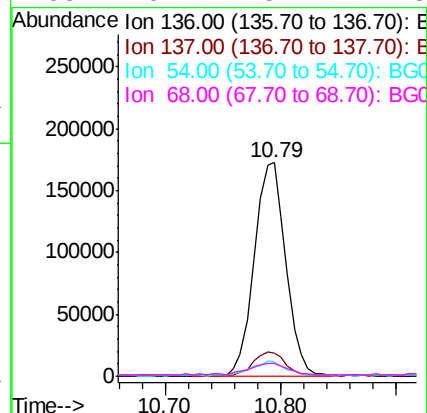
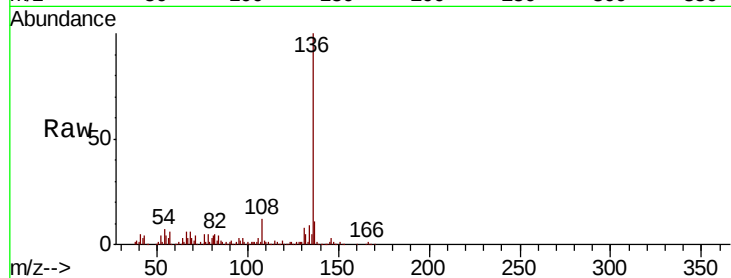




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

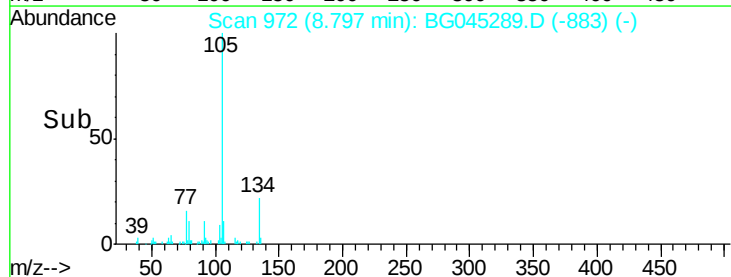
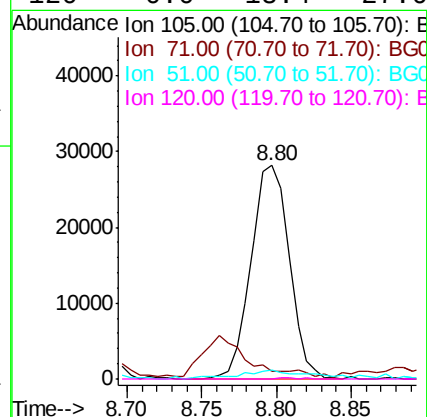
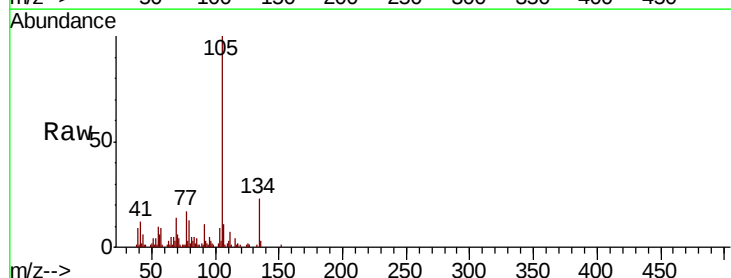
Instrument :
BNA_G
ClientSampleId :

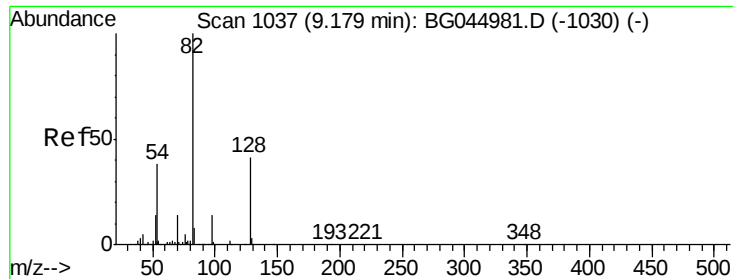
Tot Ion:136	Resp:	328869
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.6	13.0
54 6.7	4.8	7.2
68 6.1	5.2	7.8



#22
Acetophenone
Concen: 5.613 ng
RT: 8.80 min Scan# 972
Delta R.T. -0.01 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

Tgt	Ion:105	Resp:	49919
Ion	Ratio	Lower	Upper
105	100		
71	3.6	3.3	4.9
51	4.1	17.3	25.9#
120	0.0	18.4	27.6#

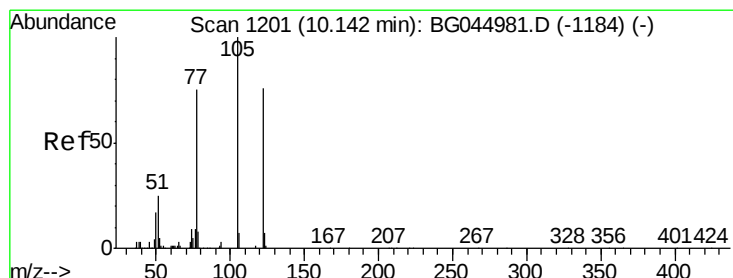
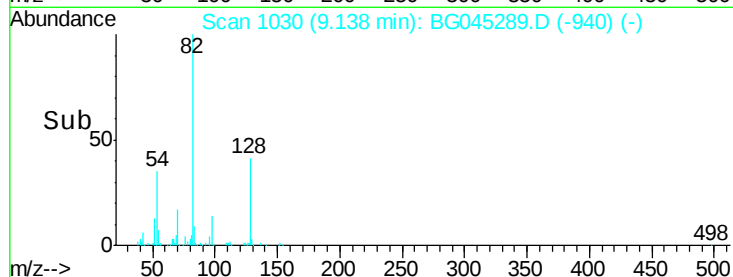
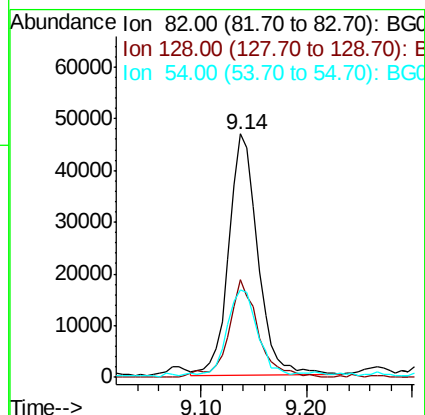
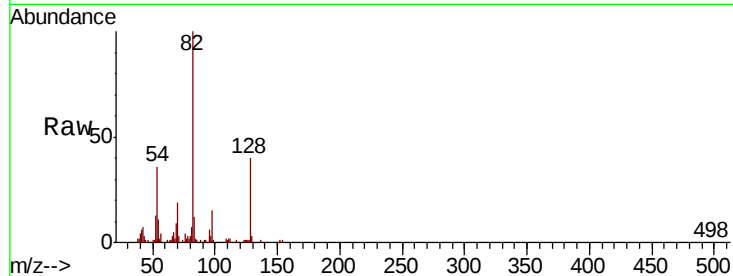




#23
Nitrobenzene-d5
Concen: 12.209 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

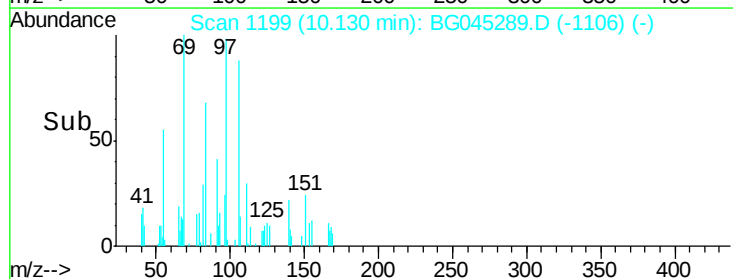
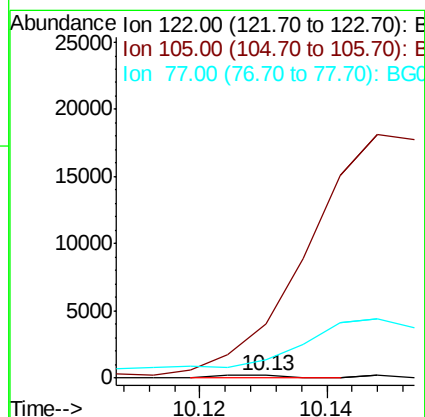
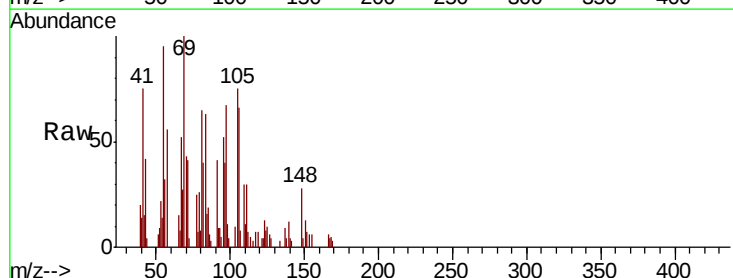
Instrument :
BNA_G
ClientSampleId :

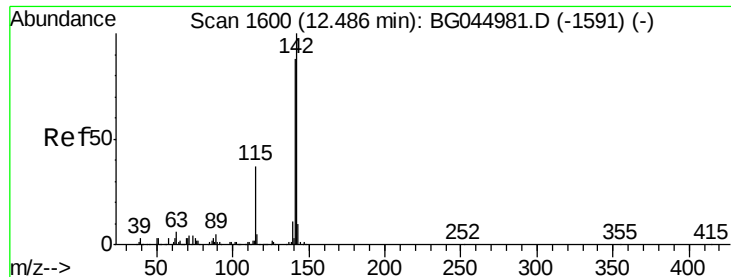
Tot Ion	82	Resp	87993
Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.0	49.4
54	36.0	30.4	45.6



#32
Benzoic acid
Concen: 6.402 ng
RT: 10.13 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

Tgt Ion	122	Resp	133
Ion	Ratio	Lower	Upper
122	100		
105	2036.5	108.4	148.4#
77	687.8	78.8	118.8#

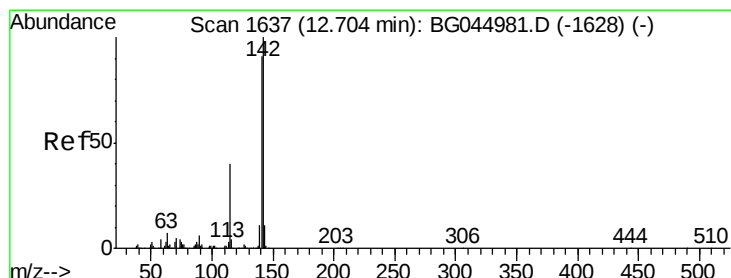
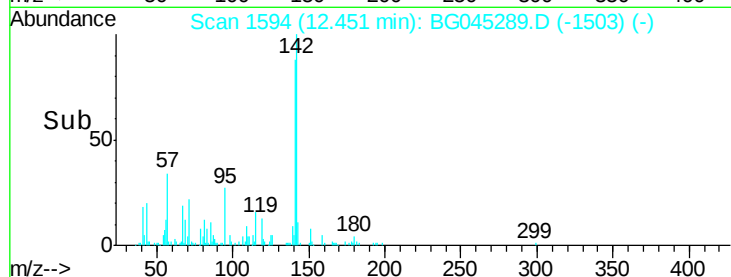
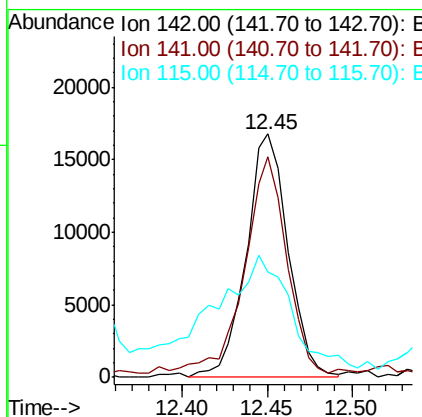
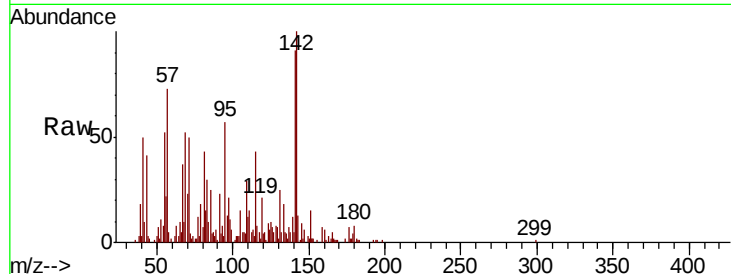




#37
 2-Methylnaphthalene
 Concen: 2.068 ng
 RT: 12.45 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BG045289.D
 Acq: 8 May 2020 3:59

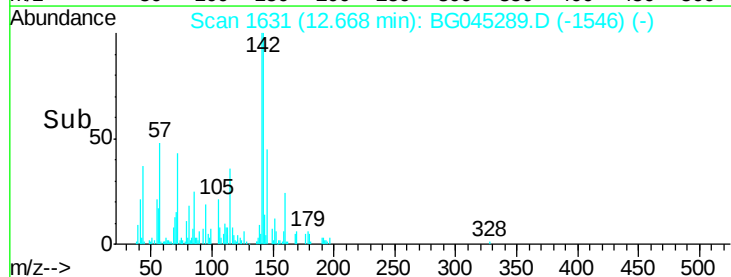
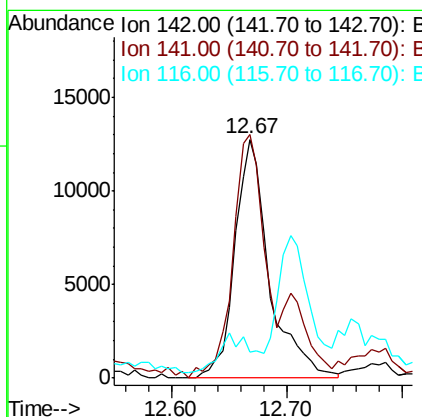
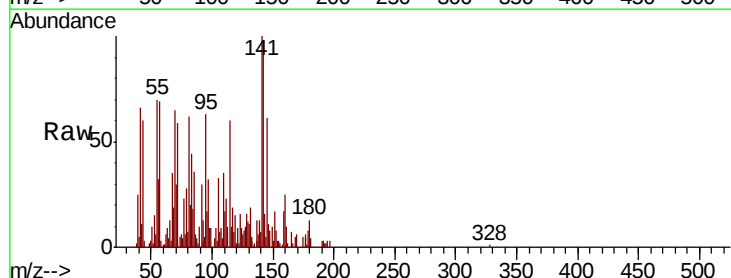
Instrument :
 BNA_G
 ClientSampleId :

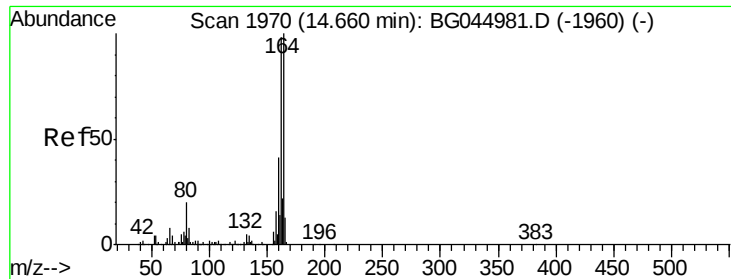
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.3	105.5
115	43.3	29.8	44.6



#38
 1-Methylnaphthalene
 Concen: 2.001 ng
 RT: 12.67 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BG045289.D
 Acq: 8 May 2020 3:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.0	72.7	109.1
116	10.7	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

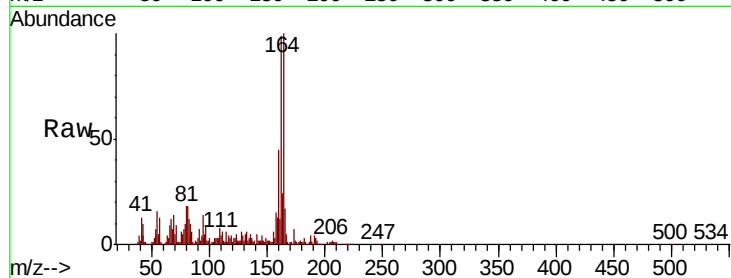
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 203275

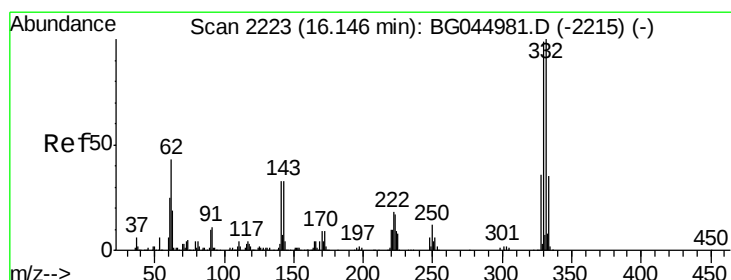
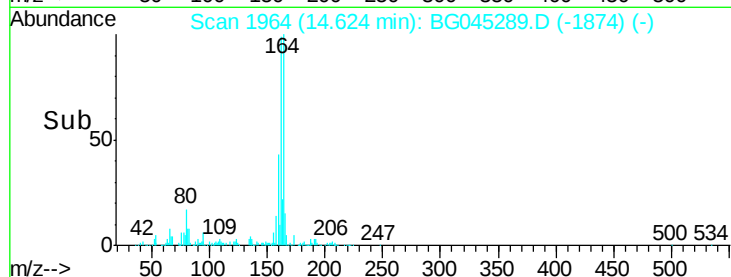
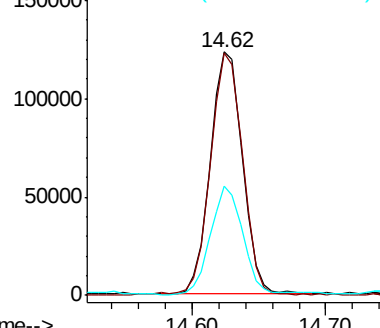
Ion	Ratio	Lower	Upper
164	100		
162	99.4	78.7	118.1
160	45.1	32.8	49.2



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: 15.322 ng

RT: 16.12 min Scan# 2218

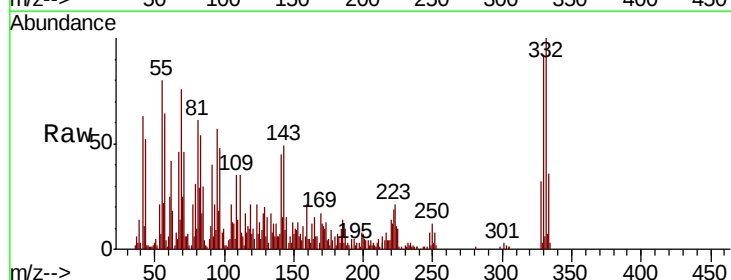
Delta R.T. -0.00 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

Tgt Ion:330 Resp: 48115

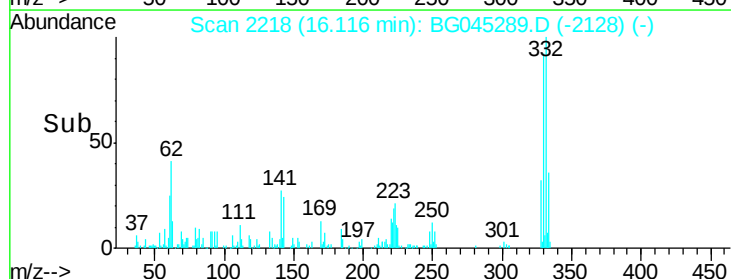
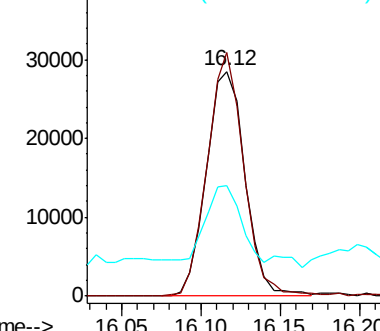
Ion	Ratio	Lower	Upper
330	100		
332	102.5	79.1	118.7
141	32.1	27.1	40.7

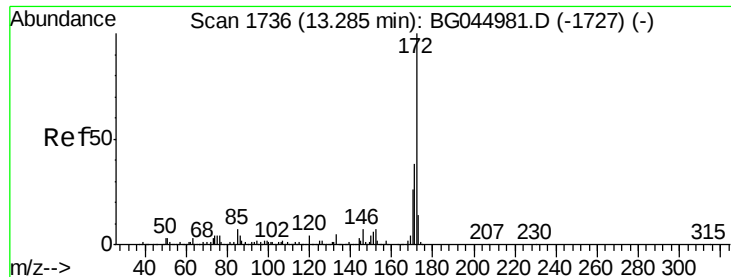


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

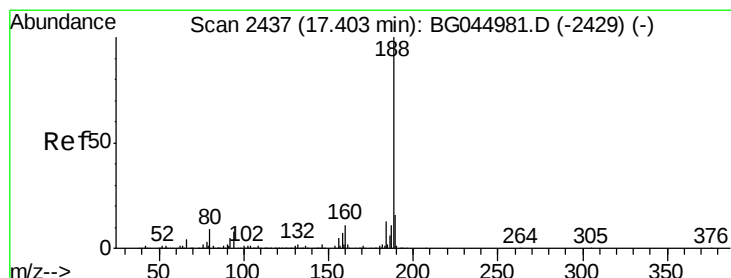
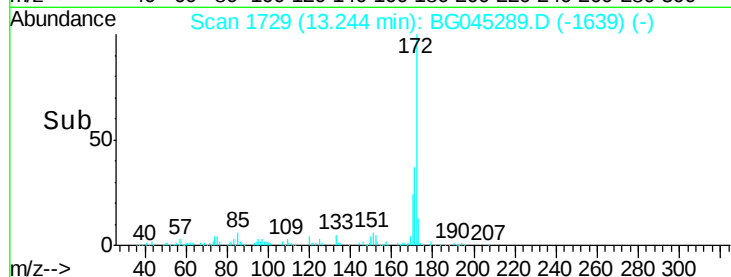
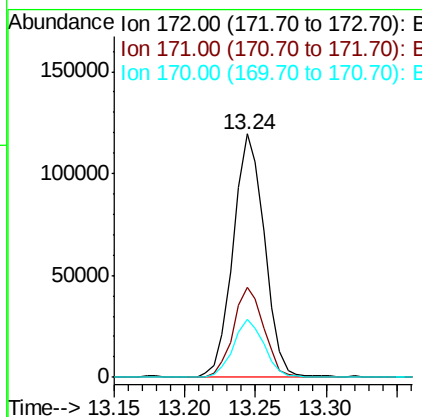
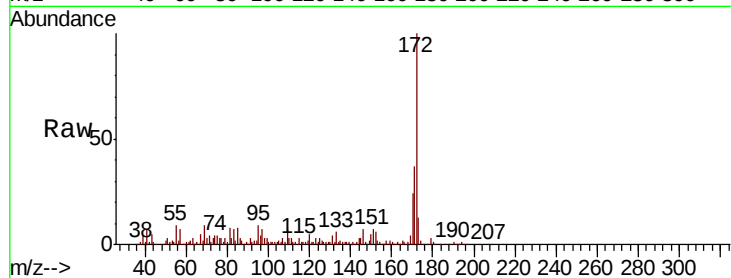




#45
2-Fluorobiphenyl
Concen: 13.345 ng
RT: 13.24 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

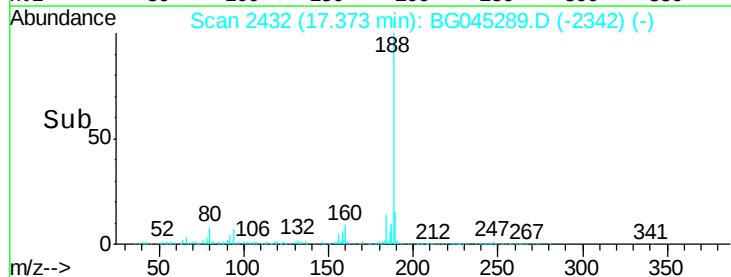
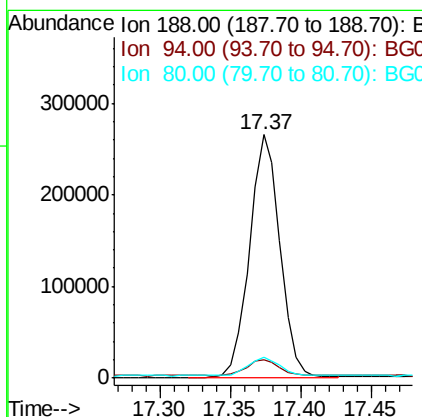
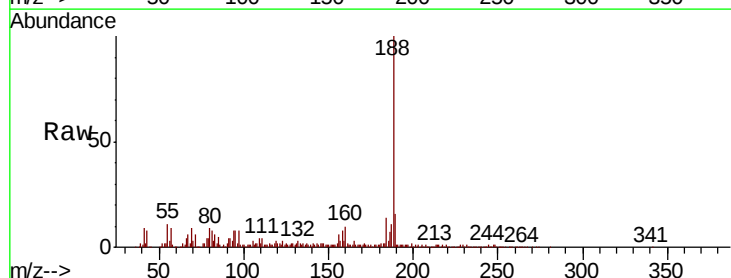
Instrument :
BNA_G
ClientSampleId :

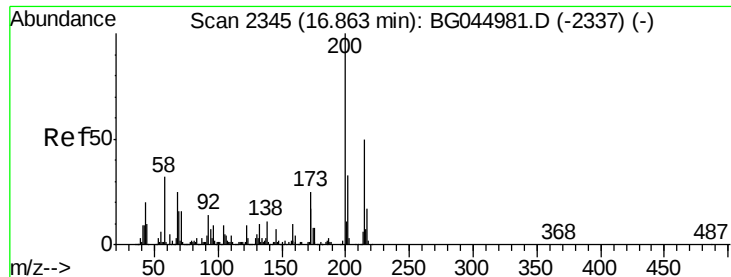
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	46.0
170	24.1	20.5	30.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.4
80	8.6	7.0	10.6





#69

Atrazine

Concen: Below Cal

RT: 16.87 min Scan# 2347

Delta R.T. 0.04 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

Instrument :

BNA_G

ClientSampleId :

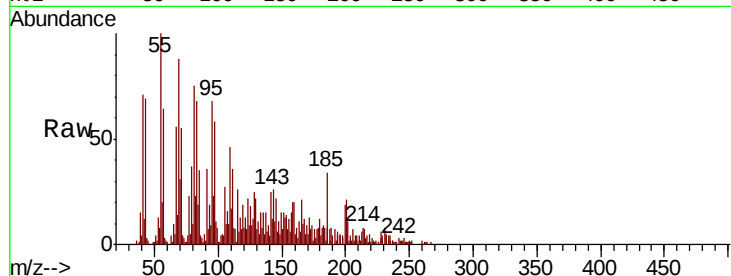
Tot Ion:200 Resp: 8219

Ion Ratio Lower Upper

200 100

173 42.4 4.5 44.5

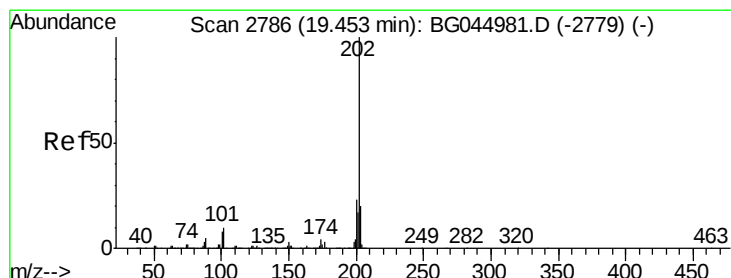
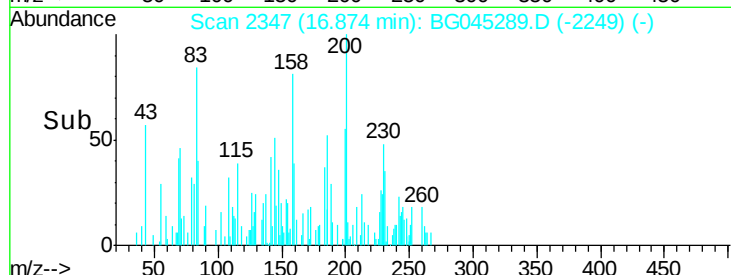
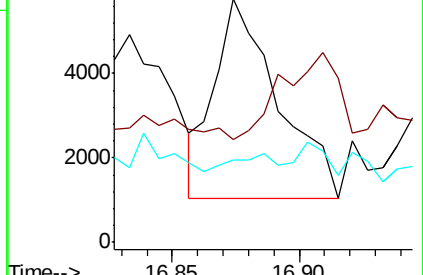
215 34.0 30.0 70.0



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



#75

Fluoranthene

Concen: Below Cal

RT: 19.79 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

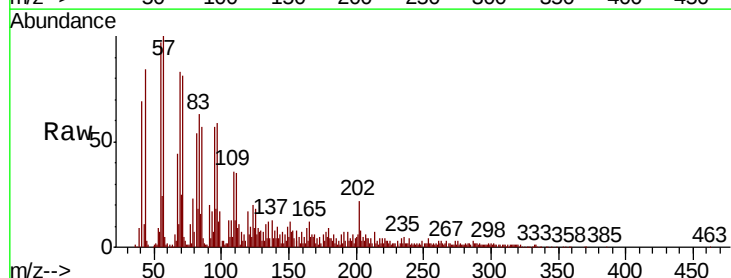
Tgt Ion:202 Resp: 29302

Ion Ratio Lower Upper

202 100

101 12.5 0.0 29.6

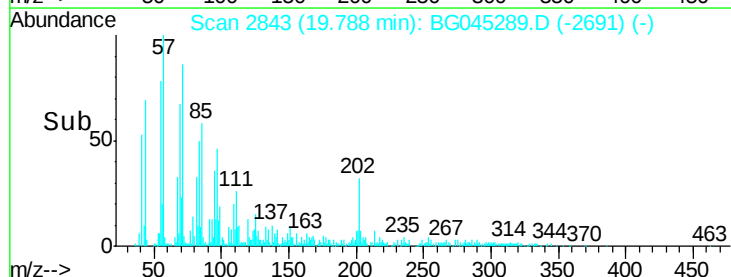
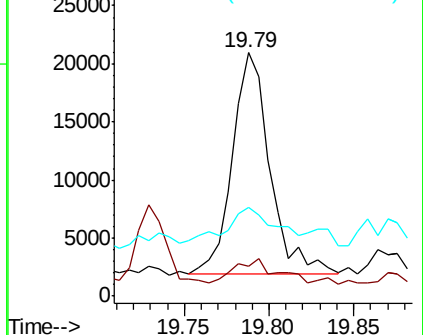
203 36.3 0.0 39.7

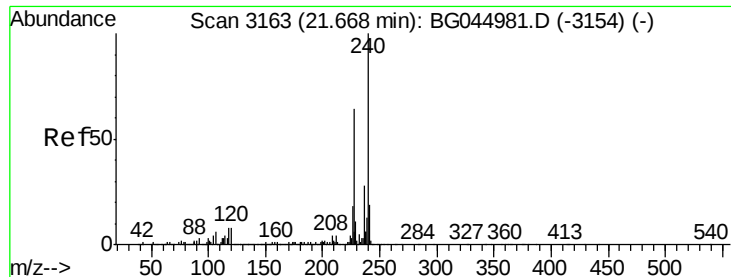


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

Instrument :

BNA_G

ClientSampleId :

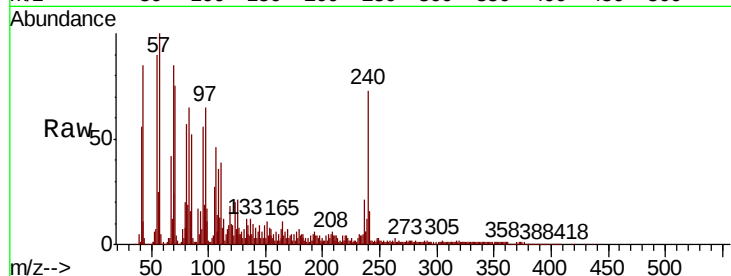
Tot Ion:240 Resp: 388813

Ion Ratio Lower Upper

240 100

120 13.9 6.6 10.0#

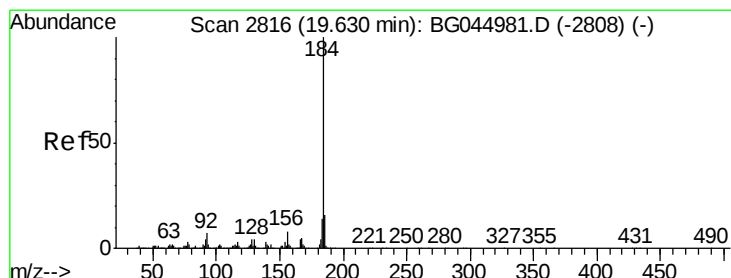
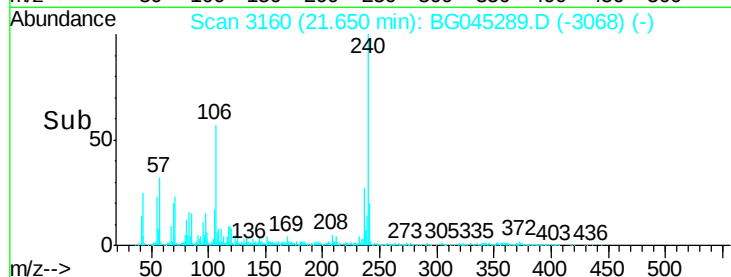
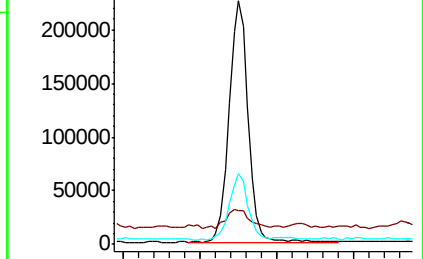
236 29.0 22.2 33.2



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: 19.60 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

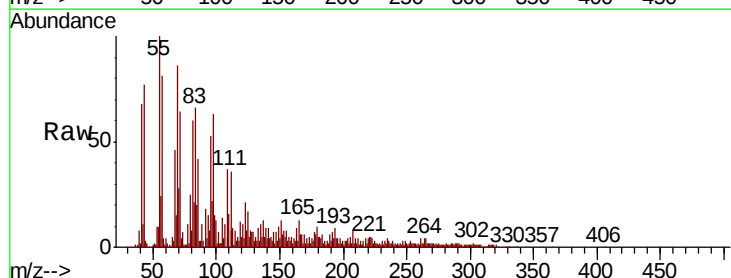
Tgt Ion:184 Resp: 2602

Ion Ratio Lower Upper

184 100

185 145.0 12.6 19.0#

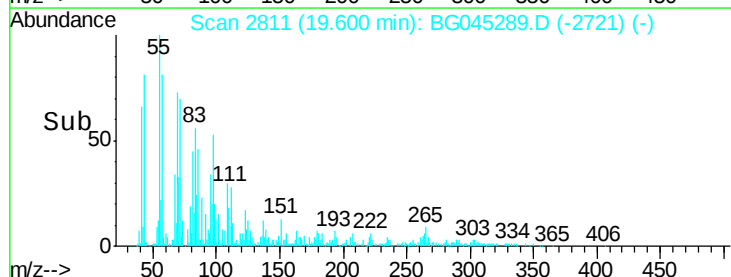
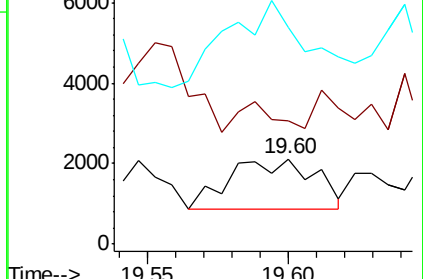
183 254.9 11.3 16.9#

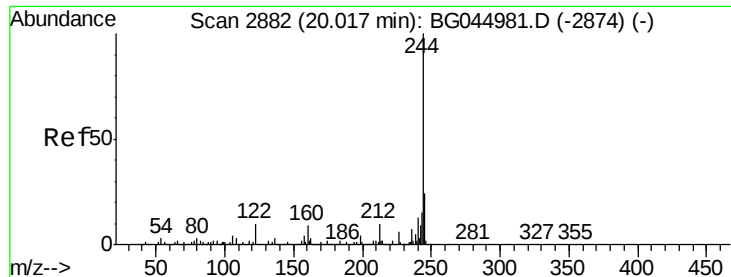


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 14.108 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

Instrument :

BNA_G

ClientSampled :

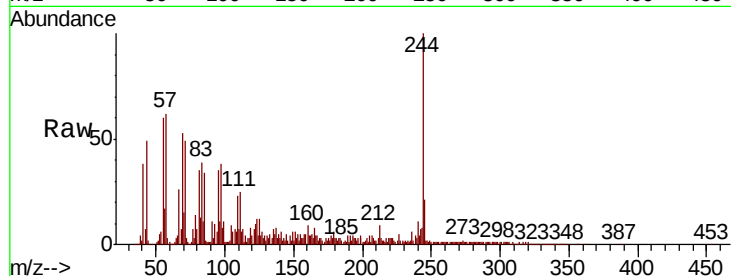
Tot Ion:244 Resp: 251670

Ion Ratio Lower Upper

244 100

212 8.5 7.9 11.9

122 9.6 7.7 11.5

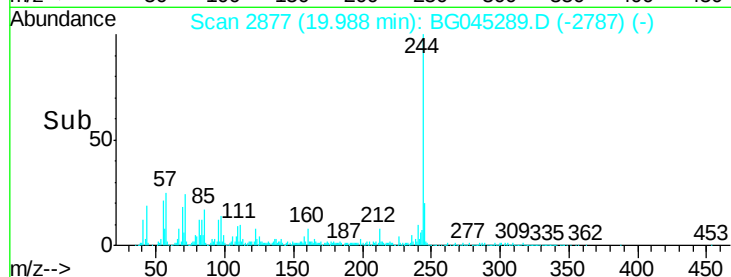


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

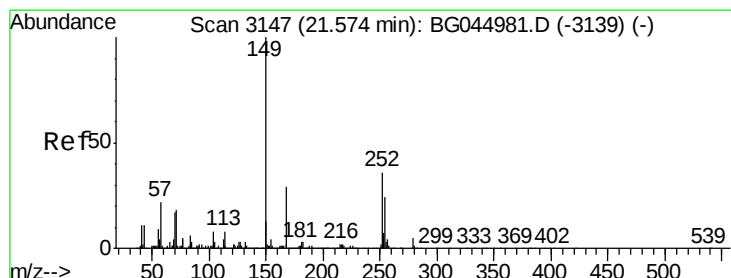
Ion 122.00 (121.70 to 122.70): E

Time-->



Abundance

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.153 ng

RT: 21.55 min Scan# 3143

Delta R.T. 0.01 min

Lab File: BG045289.D

Acq: 8 May 2020 3:59

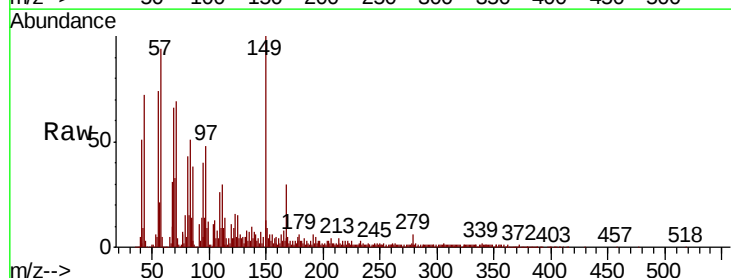
Tgt Ion:149 Resp: 537185

Ion Ratio Lower Upper

149 100

167 29.6 23.4 35.0

279 6.3 4.3 6.5

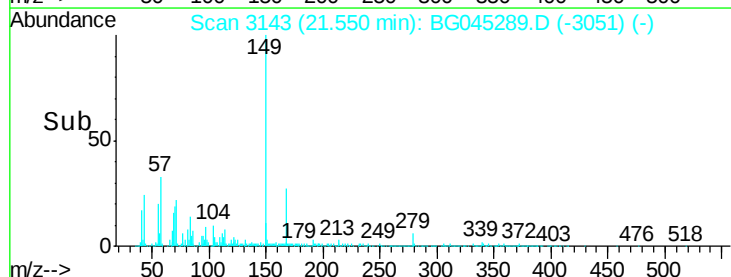


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

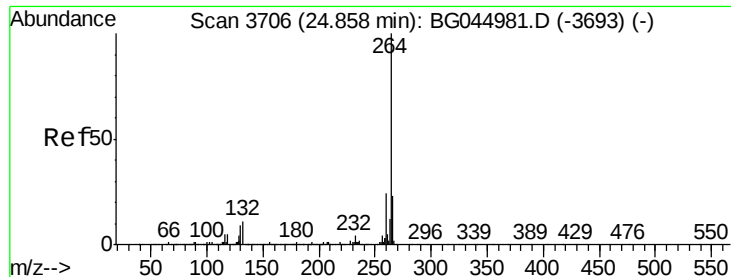
Ion 279.00 (278.70 to 279.70): E

Time-->



Abundance

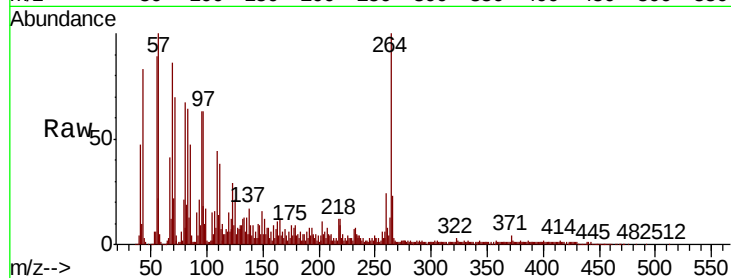
Time-->



#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3707
Delta R.T. 0.05 min
Lab File: BG045289.D
Acq: 8 May 2020 3:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.7	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

