

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042920\
 Data File : BG045207.D
 Acq On : 29 Apr 2020 16:19
 Operator : CG/JU
 Sample : L2430-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 37-ST-2020

Quant Time: Apr 29 17:34:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 12:24:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	61645	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	247644	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	200812	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	462918	20.00	ng	0.00
76) Chrysene-d12	21.64	240	432425	20.00	ng	0.00
87) Perylene-d12	24.81	264	472586	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	166417	44.57	ng	0.00
7) Phenol-d6	7.16	99	142319	25.65	ng	0.00
23) Nitrobenzene-d5	9.15	82	517176	95.29	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	295454	95.24	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1240072	90.55	ng	0.00
79) Terphenyl-d14	19.99	244	2021877	101.91	ng	0.00

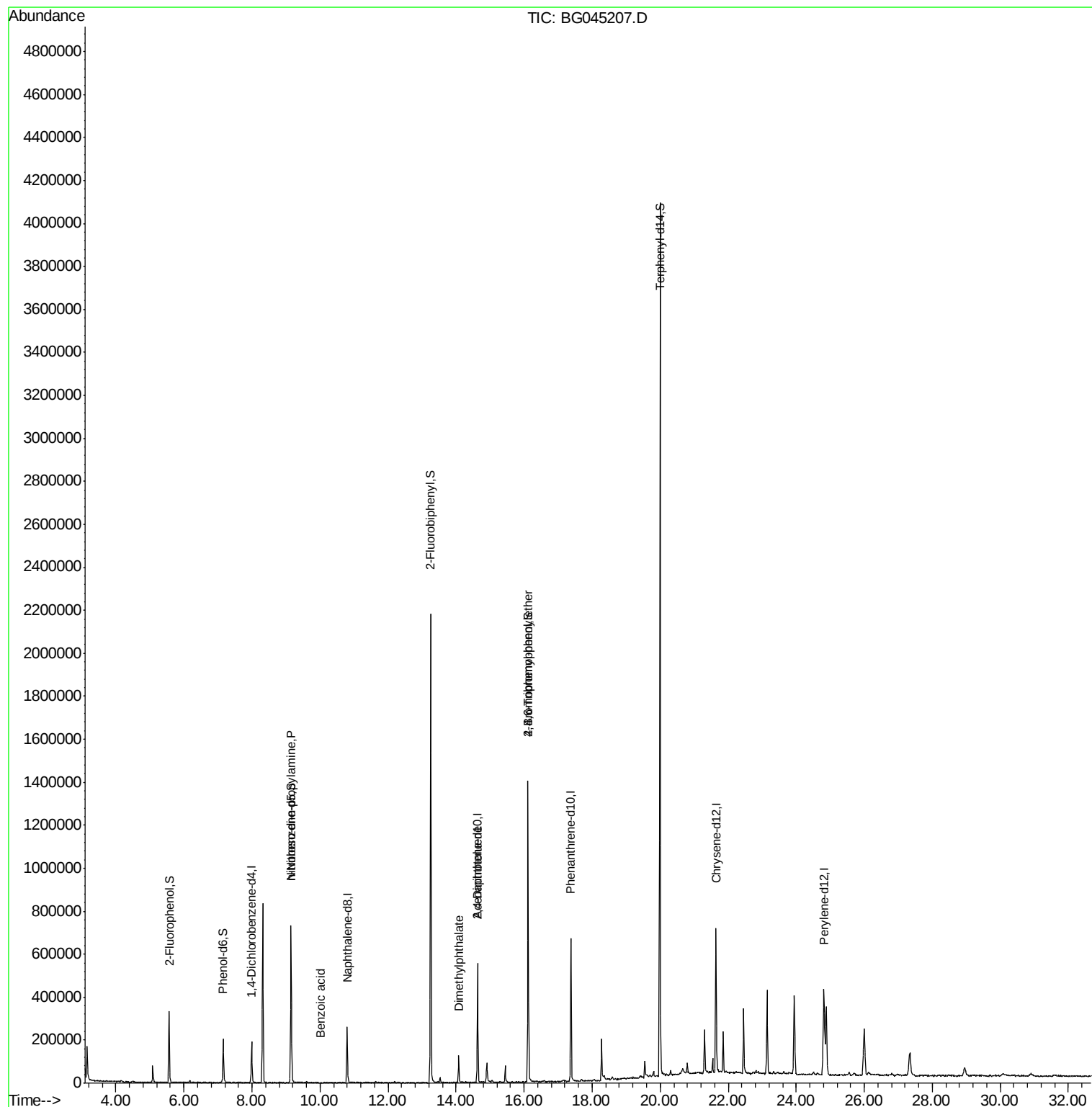
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.13	77	77	Below Cal	#	46
19) n-Nitroso-di-n-propylamine	9.14	70	68503	17.460 ng	#	79
32) Benzoic acid	10.03	122	56	6.390 ng	#	1
50) Dimethylphthalate	14.08	163	85484	5.228 ng		100
57) 2,4-Dinitrotoluene	14.63	165	25715	4.811 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	20234	3.388 ng	#	1
69) Atrazine	16.89	200	80	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	10226	Below Cal	#	90
75) Fluoranthene	19.44	202	357	Below Cal		62
77) Benzidine	19.63	184	1244	Below Cal	#	35

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

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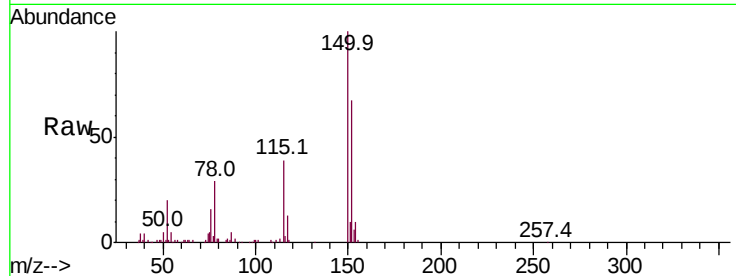


#1

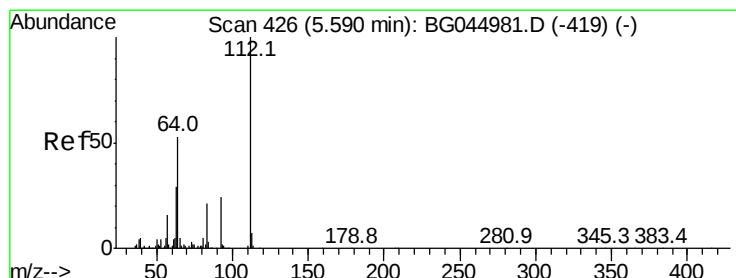
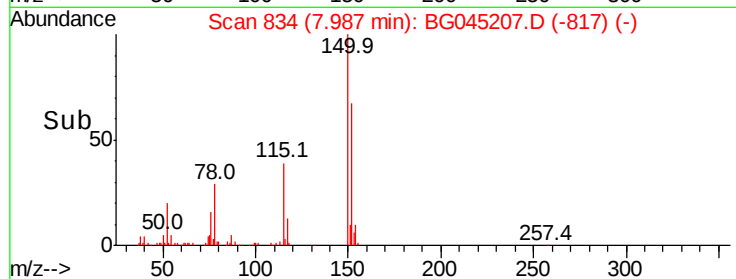
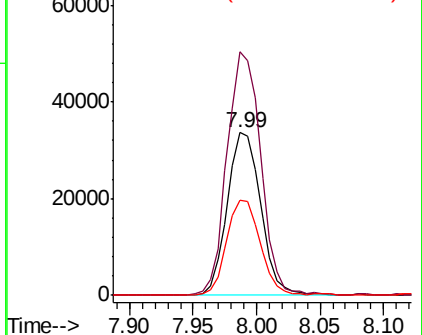
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Instrument :
BNA_G
ClientSampleId :
37-ST-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	123.6	185.4
115	58.3	49.1	73.7



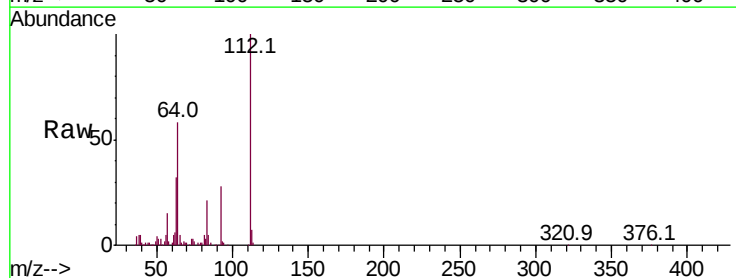
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



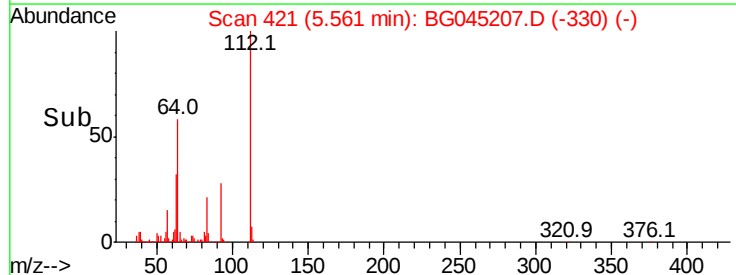
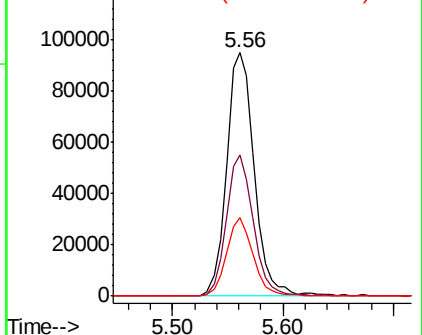
#5

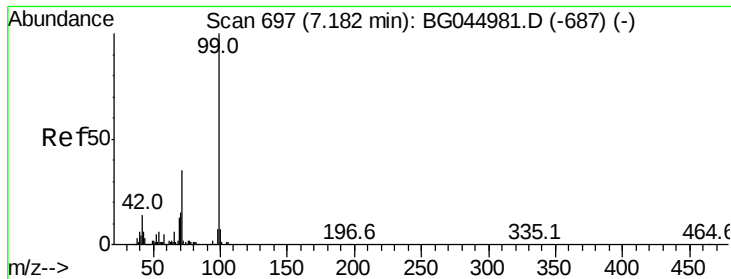
2-Fluorophenol
Concen: 44.569 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.4	63.6
63	32.3	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: 25.654 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

Instrument :

BNA_G

ClientSampleId :

37-ST-2020

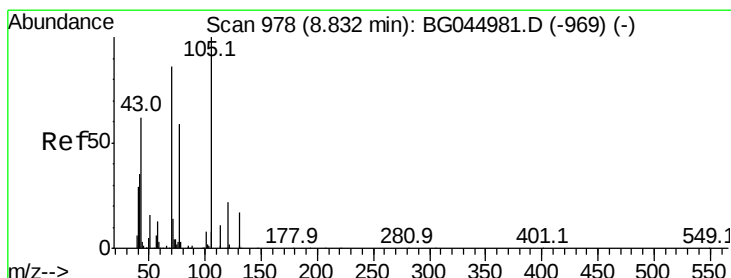
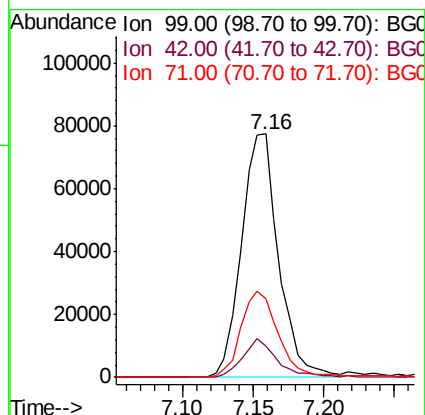
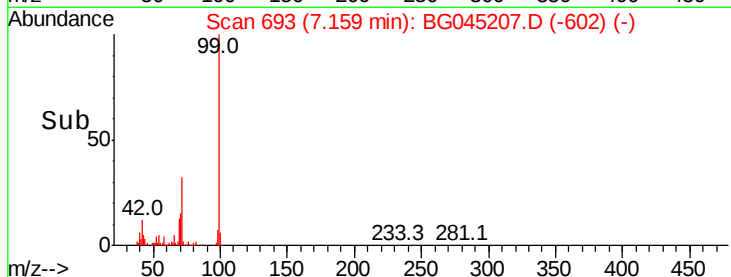
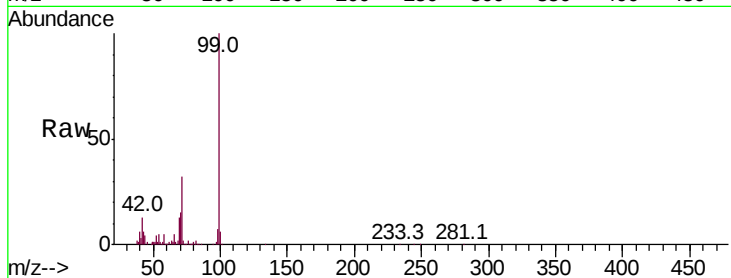
Tot Ion: 99 Resp: 142319

Ion Ratio Lower Upper

99 100

42 12.7 11.3 16.9

71 32.3 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.460 ng

RT: 9.14 min Scan# 1031

Delta R.T. 0.34 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

Tgt Ion: 70 Resp: 68503

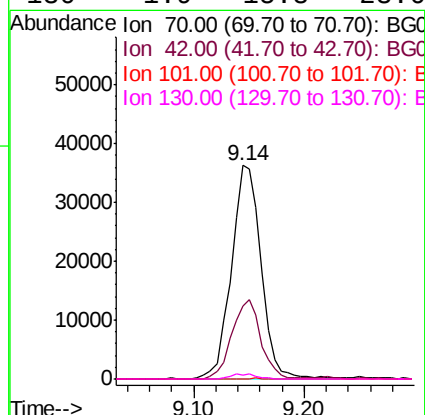
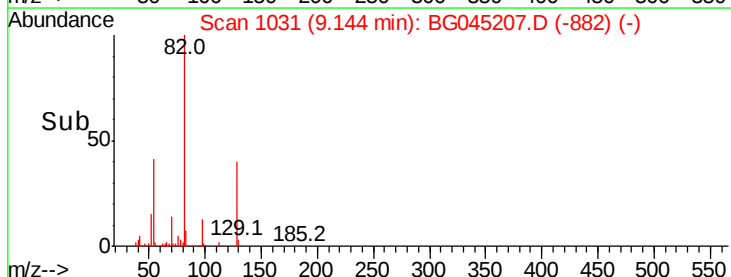
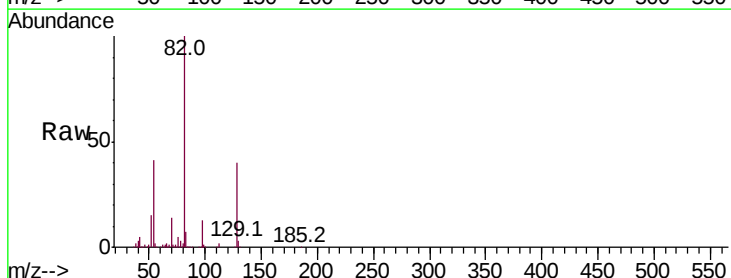
Ion Ratio Lower Upper

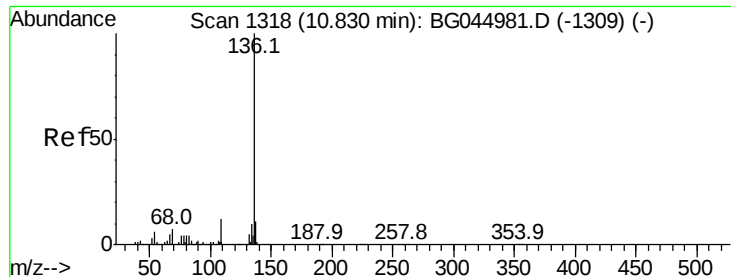
70 100

42 34.3 33.3 49.9

101 0.0 7.8 11.8#

130 1.9 15.8 23.6#

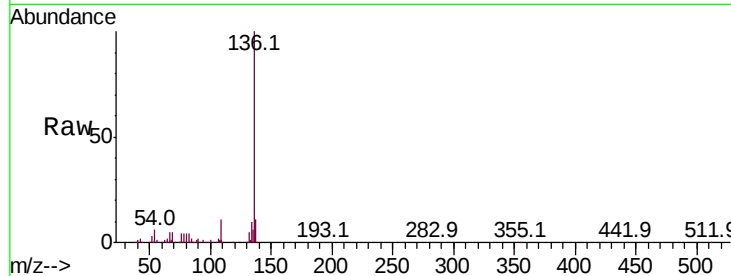




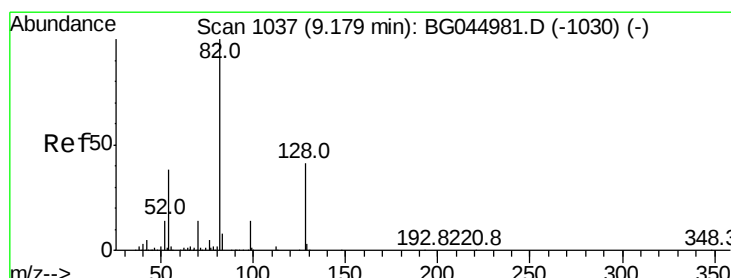
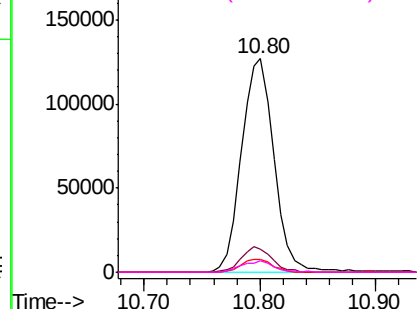
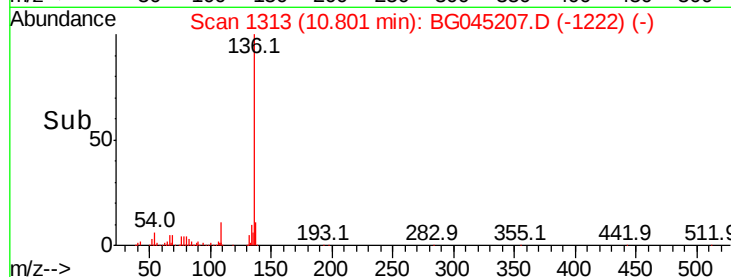
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Instrument :
BNA_G
ClientSampleId :
37-ST-2020

Tot Ion:136	Resp:	247644
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.6	13.0
54 6.1	4.8	7.2
68 5.4	5.2	7.8

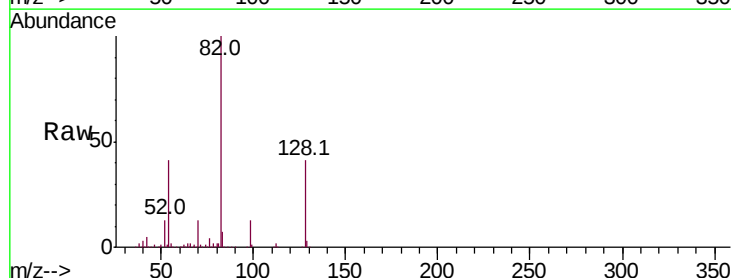


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

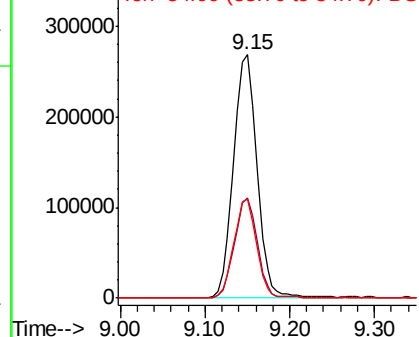
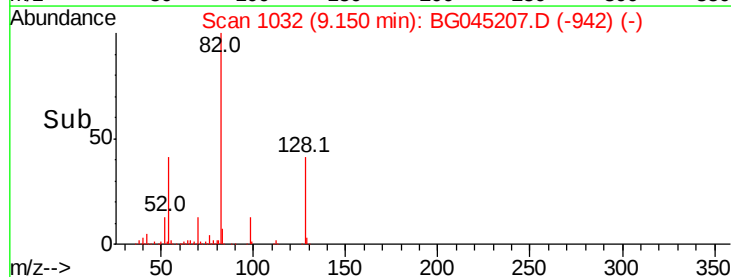


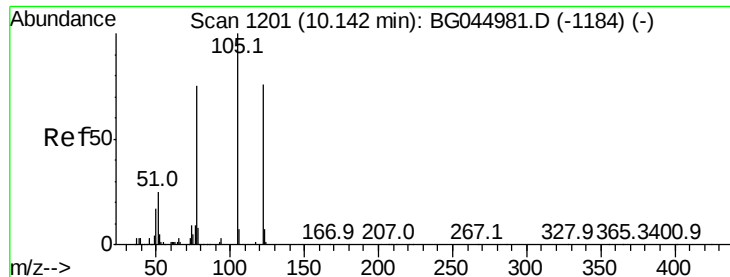
#23
Nitrobenzene-d5
Concen: 95.291 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Tgt Ion: 82	Resp: 517176
Ion Ratio	Lower Upper
82 100	
128 41.2	33.0 49.4
54 40.6	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: 10.03 min Scan# 1182

Delta R.T. -0.10 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

Instrument :

BNA_G

ClientSampleId :

37-ST-2020

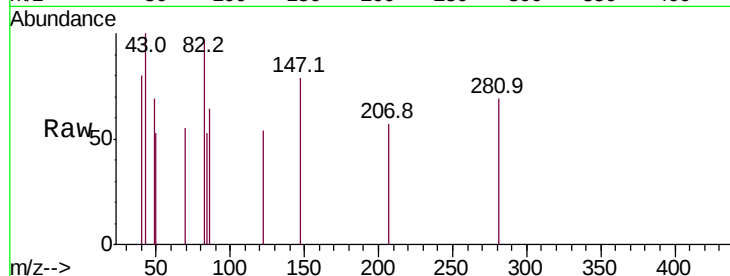
Tot Ion:122 Resp: 56

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): BGC

10.03

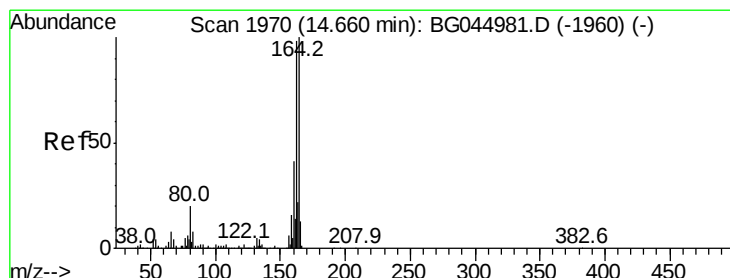
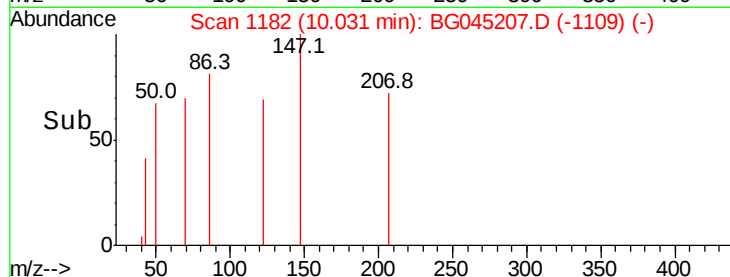
150

100

50

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

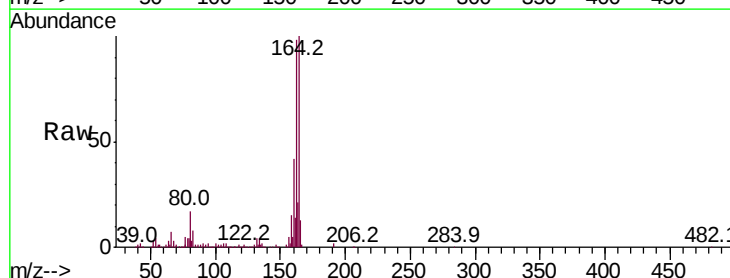
Tgt Ion:164 Resp: 200812

Ion Ratio Lower Upper

164 100

162 97.9 78.7 118.1

160 41.9 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

14.63

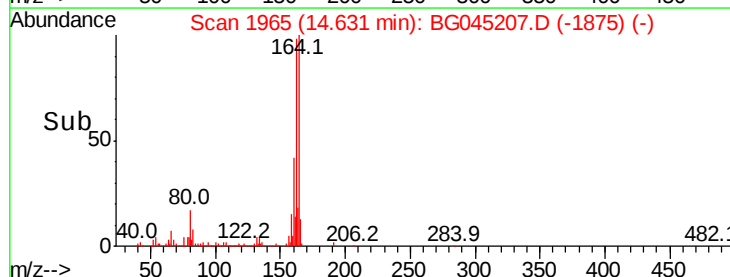
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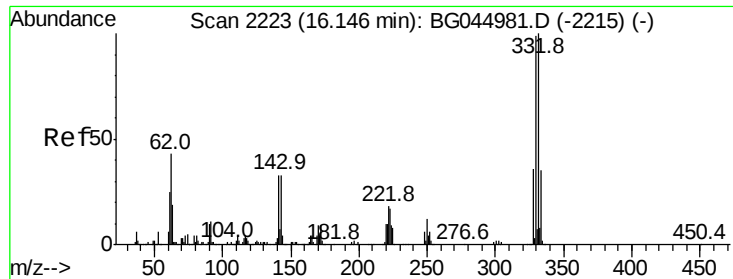
100000

50000

0

Time-->

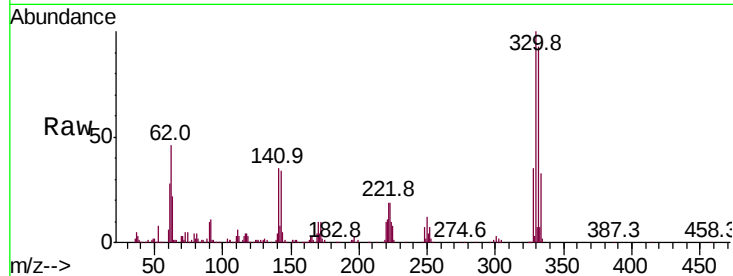




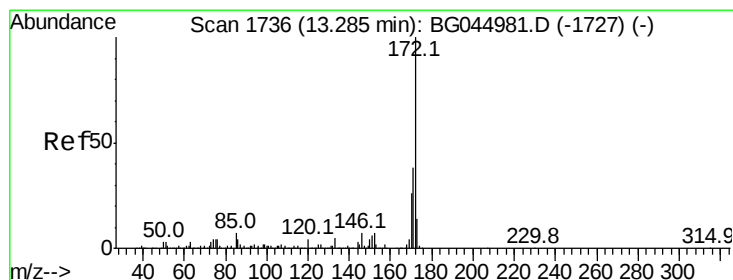
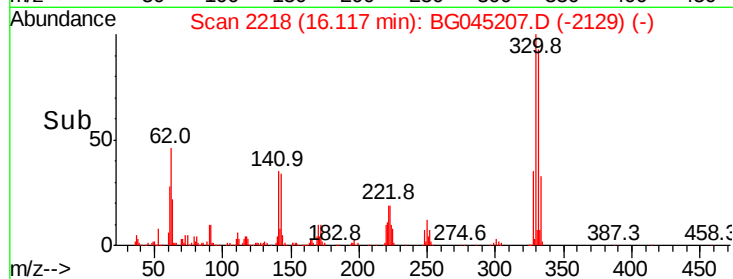
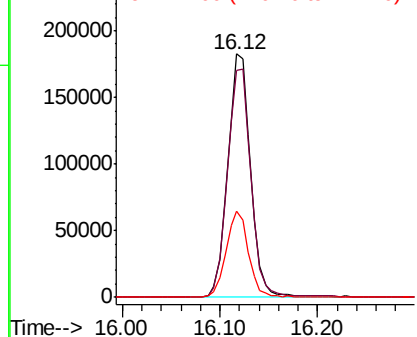
#42
 2,4,6-Tribromophenol
 Concen: 95.238 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG045207.D
 Acq: 29 Apr 2020 16:19

Instrument :
 BNA_G
 ClientSampleId :
 37-ST-2020

Tot Ion:330 Resp: 295454
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.1 118.7
 141 34.3 27.1 40.7

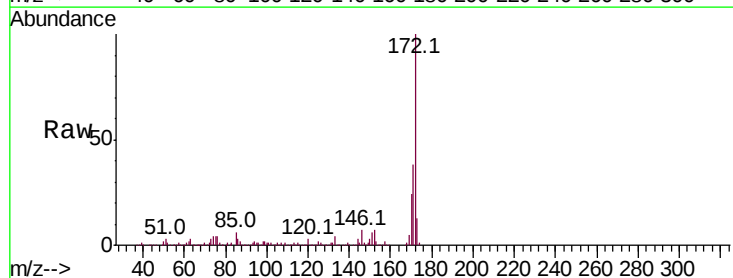


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

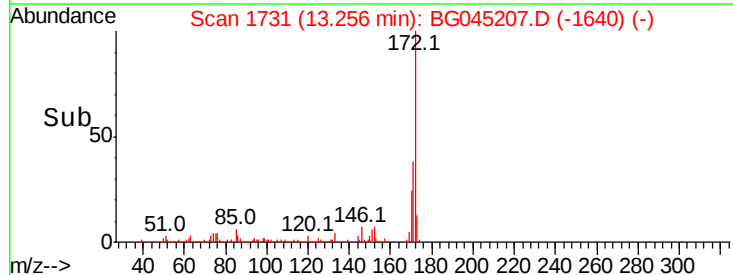
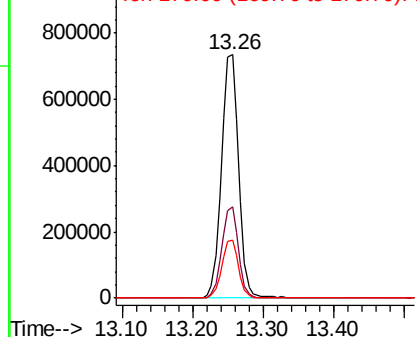


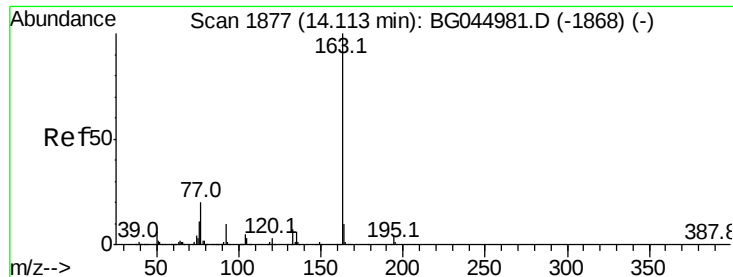
#45
 2-Fluorobiphenyl
 Concen: 90.549 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG045207.D
 Acq: 29 Apr 2020 16:19

Tgt Ion:172 Resp: 1240072
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.6 46.0
 170 24.1 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

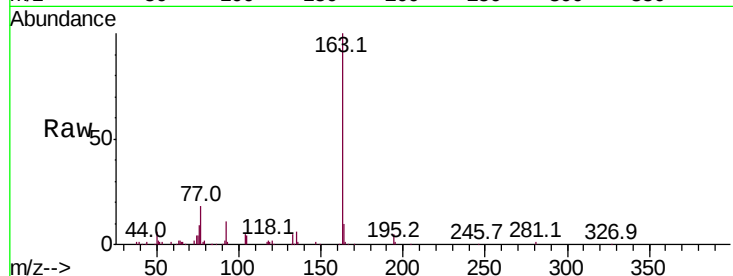




#50
Dimethylphthalate
Concen: 5.228 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Instrument :
BNA_G
ClientSampleId :
37-ST-2020

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	10.4	8.2	12.4

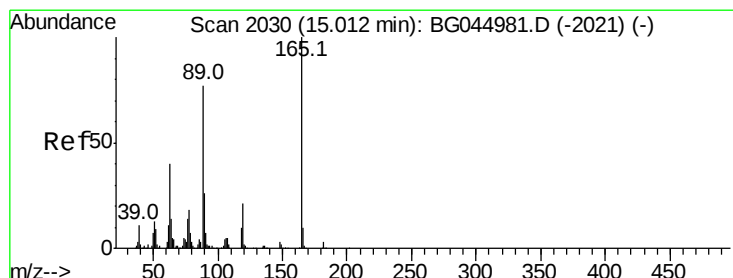
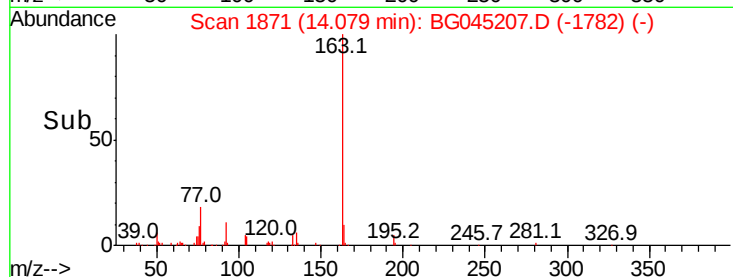
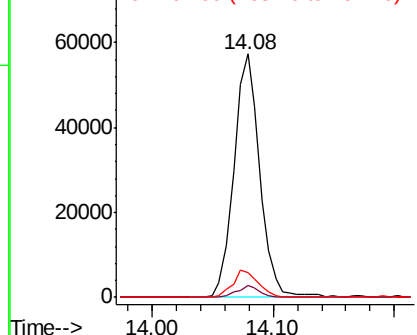


Abundance

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



#57
2,4-Dinitrotoluene
Concen: 4.811 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.36 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	32.2	48.2#
89	2.0	61.7	92.5#
182	0.0	2.0	3.0#

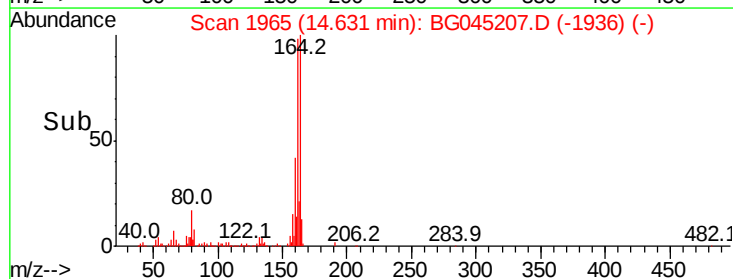
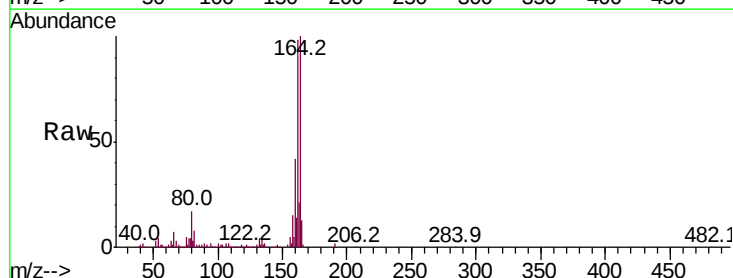
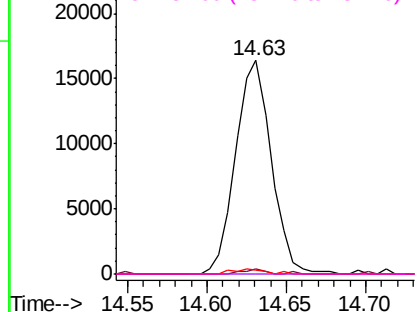
Abundance

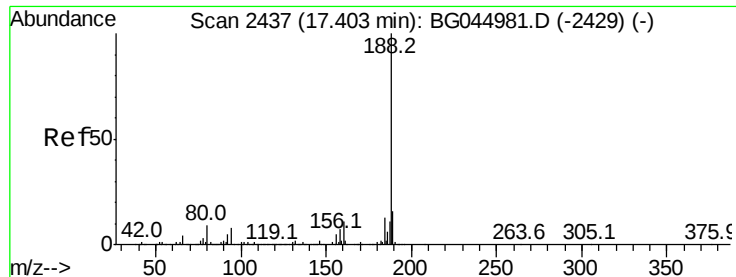
Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

Instrument :

BNA_G

ClientSampleId :

37-ST-2020

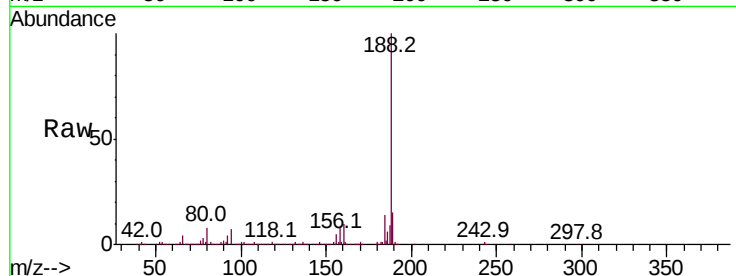
Tot Ion:188 Resp: 462918

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

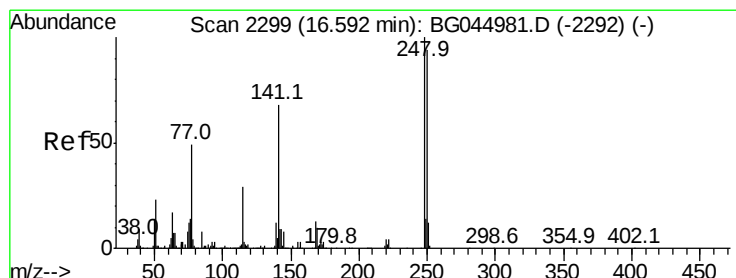
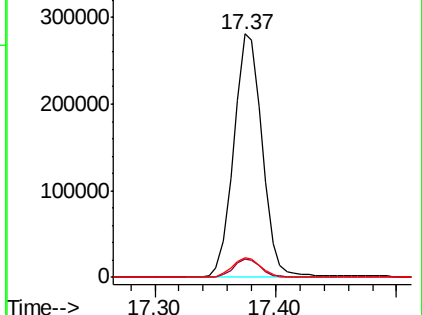
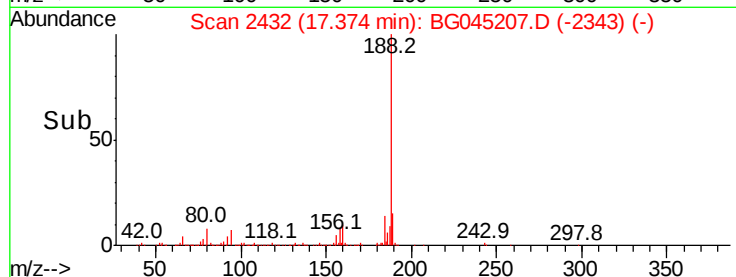
80 8.1 7.0 10.6



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: 3.388 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

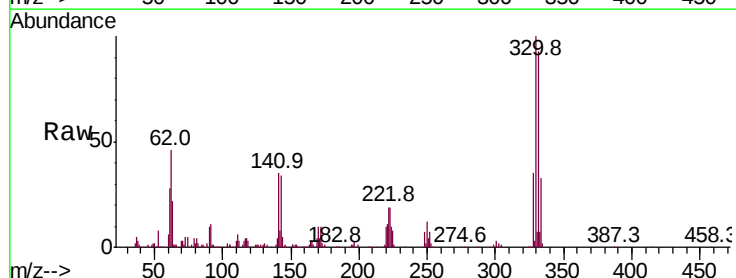
Tgt Ion:248 Resp: 20234

Ion Ratio Lower Upper

248 100

250 171.6 75.4 113.2#

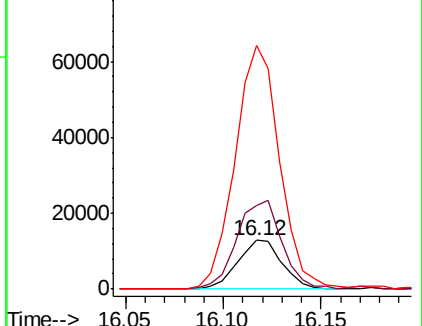
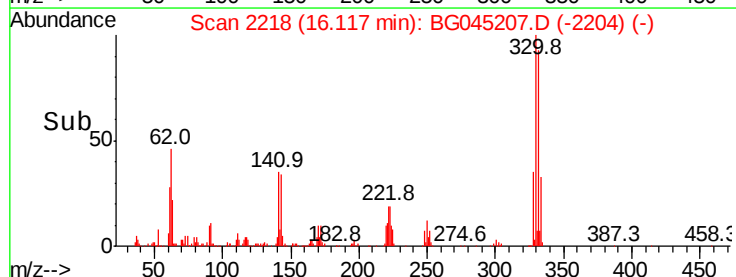
141 496.7 54.4 81.6#

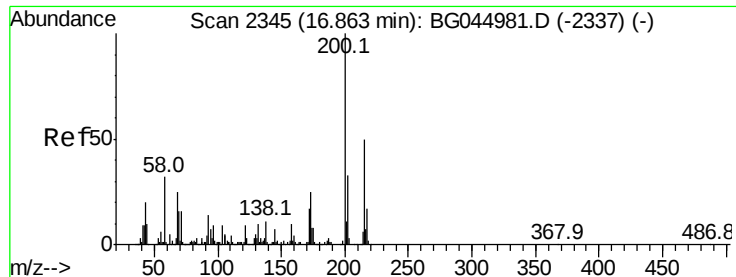


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.89 min Scan# 2349

Delta R.T. 0.05 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

Instrument :

BNA_G

ClientSampleId :

37-ST-2020

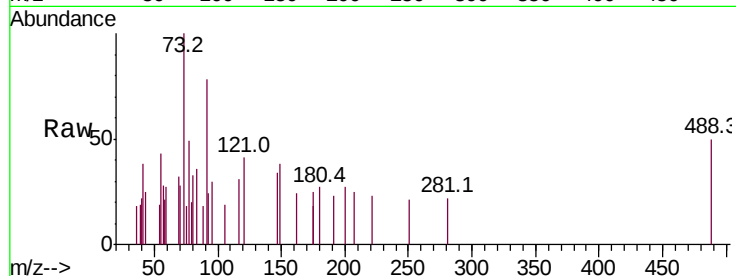
Tot Ion:200 Resp: 80

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

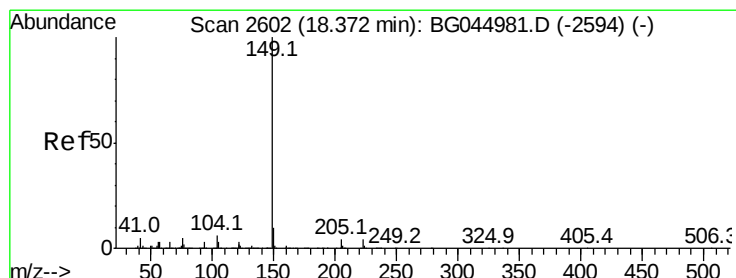
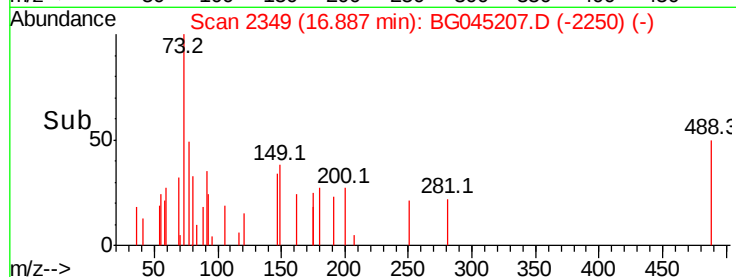
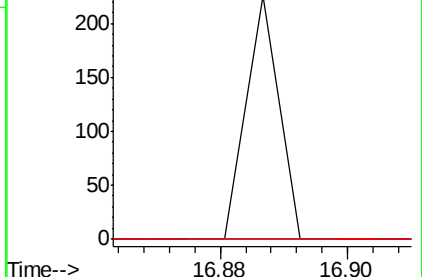
215 0.0 30.0 70.0#



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



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.35 min Scan# 2598

Delta R.T. 0.00 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

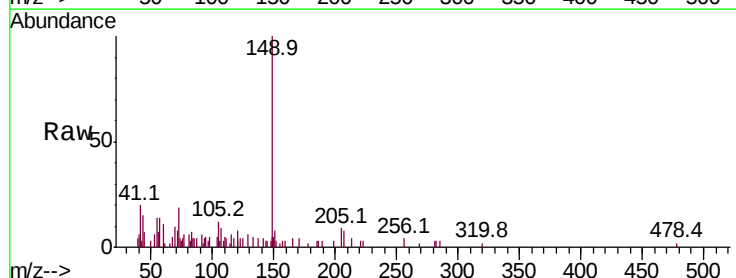
Tgt Ion:149 Resp: 10226

Ion Ratio Lower Upper

149 100

150 5.0 8.2 12.2#

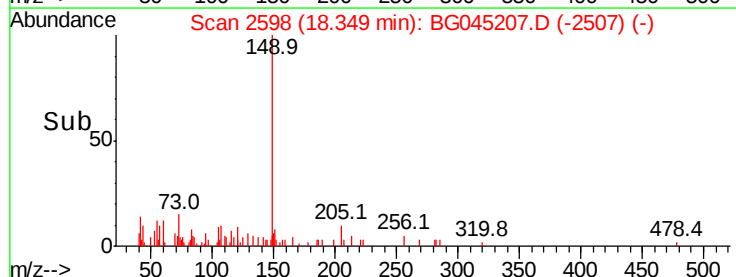
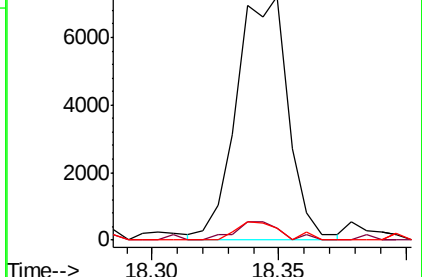
104 5.0 4.8 7.2

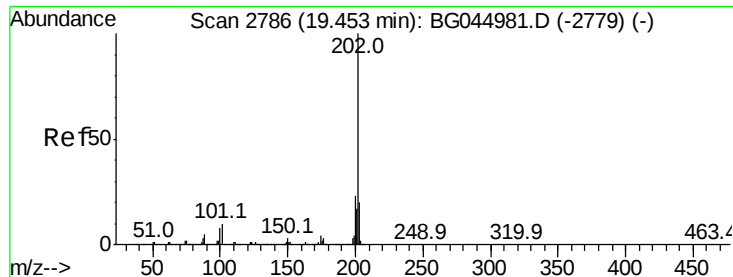


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

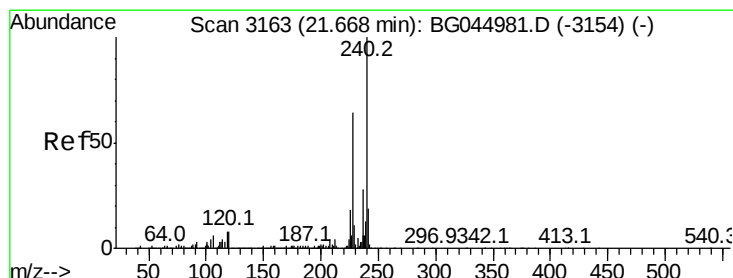
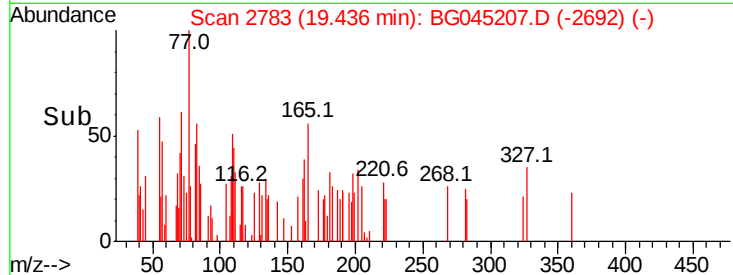
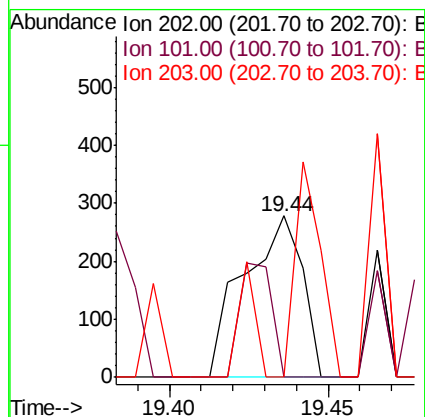
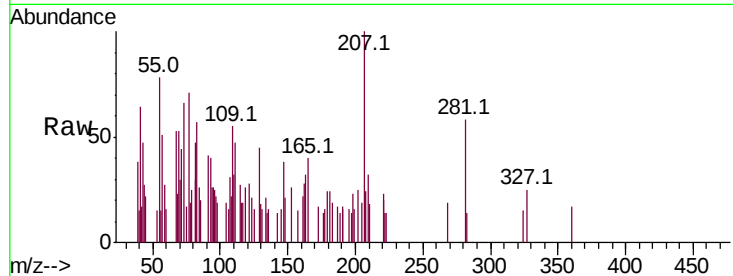




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.44 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: BG045207.D
 Acq: 29 Apr 2020 16:19

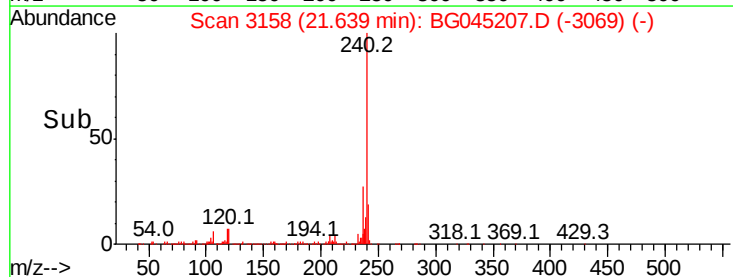
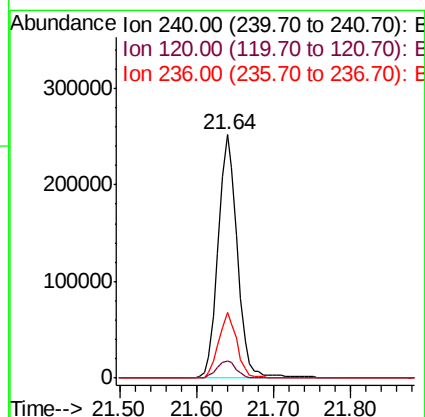
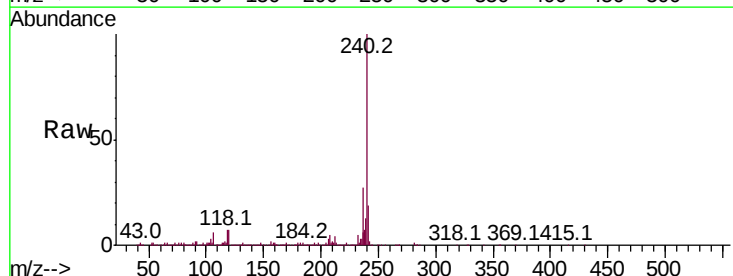
Instrument :
 BNA_G
 ClientSampleId :
 37-ST-2020

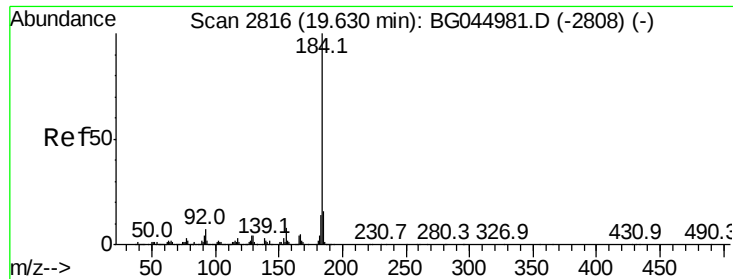
Tot Ion:	202	Resp:	357
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.01 min
 Lab File: BG045207.D
 Acq: 29 Apr 2020 16:19

Tgt Ion:	240	Resp:	432425
Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.6	10.0
236	26.7	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.63 min Scan# 2816

Delta R.T. 0.02 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

Instrument :

BNA_G

ClientSampleId :

37-ST-2020

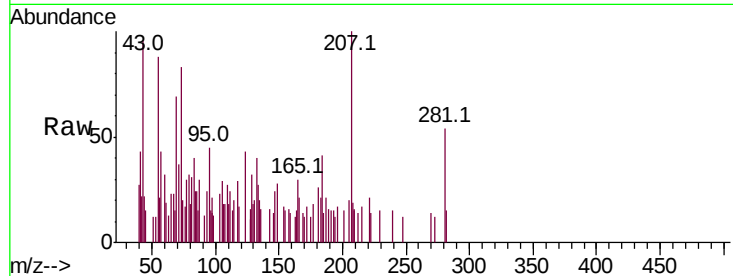
Tot Ion:184 Resp: 1244

Ion Ratio Lower Upper

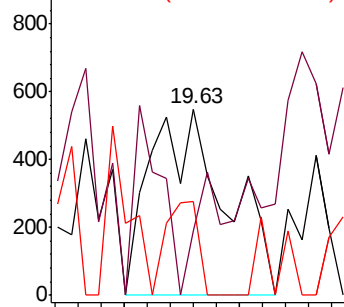
184 100

185 34.6 12.6 19.0#

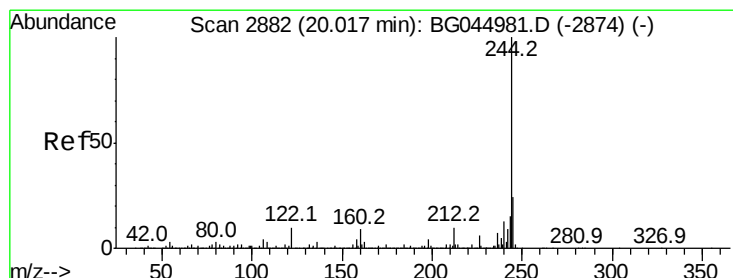
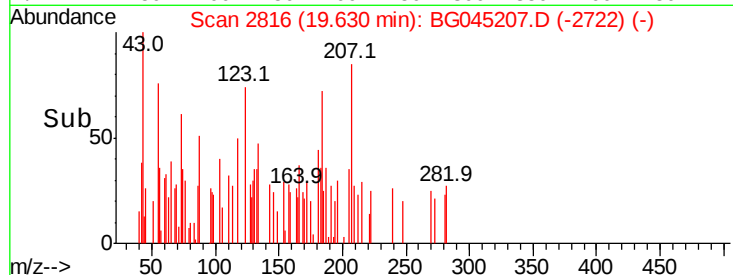
183 50.1 11.3 16.9#



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



Time-->



#79

Terphenyl-d14

Concen: 101.909 ng

RT: 19.99 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045207.D

Acq: 29 Apr 2020 16:19

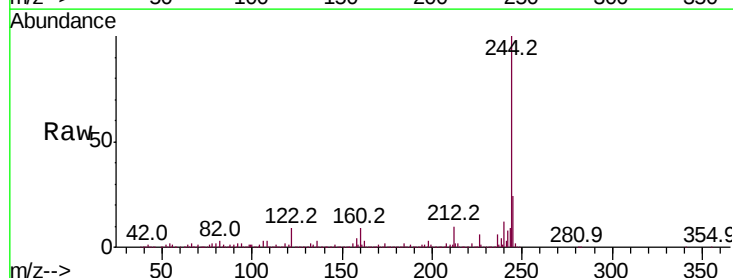
Tgt Ion:244 Resp: 2021877

Ion Ratio Lower Upper

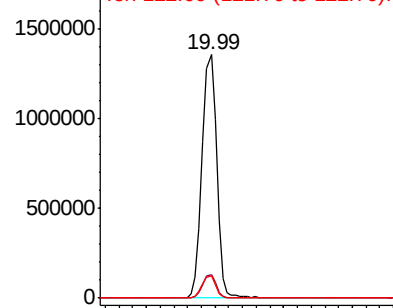
244 100

212 9.8 7.9 11.9

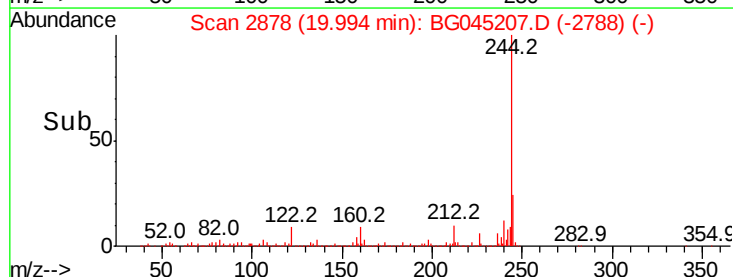
122 8.9 7.7 11.5

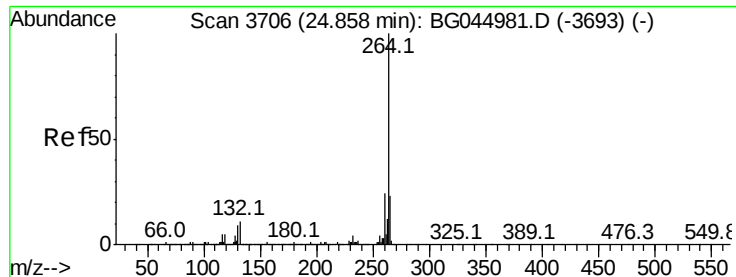


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3698
Delta R.T. -0.01 min
Lab File: BG045207.D
Acq: 29 Apr 2020 16:19

Instrument :
BNA_G
ClientSampleId :
37-ST-2020

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.3	19.0	28.4

