

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044022.D
 Acq On : 13 Jan 2020 21:38
 Operator : JU
 Sample : PB126048BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:16:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

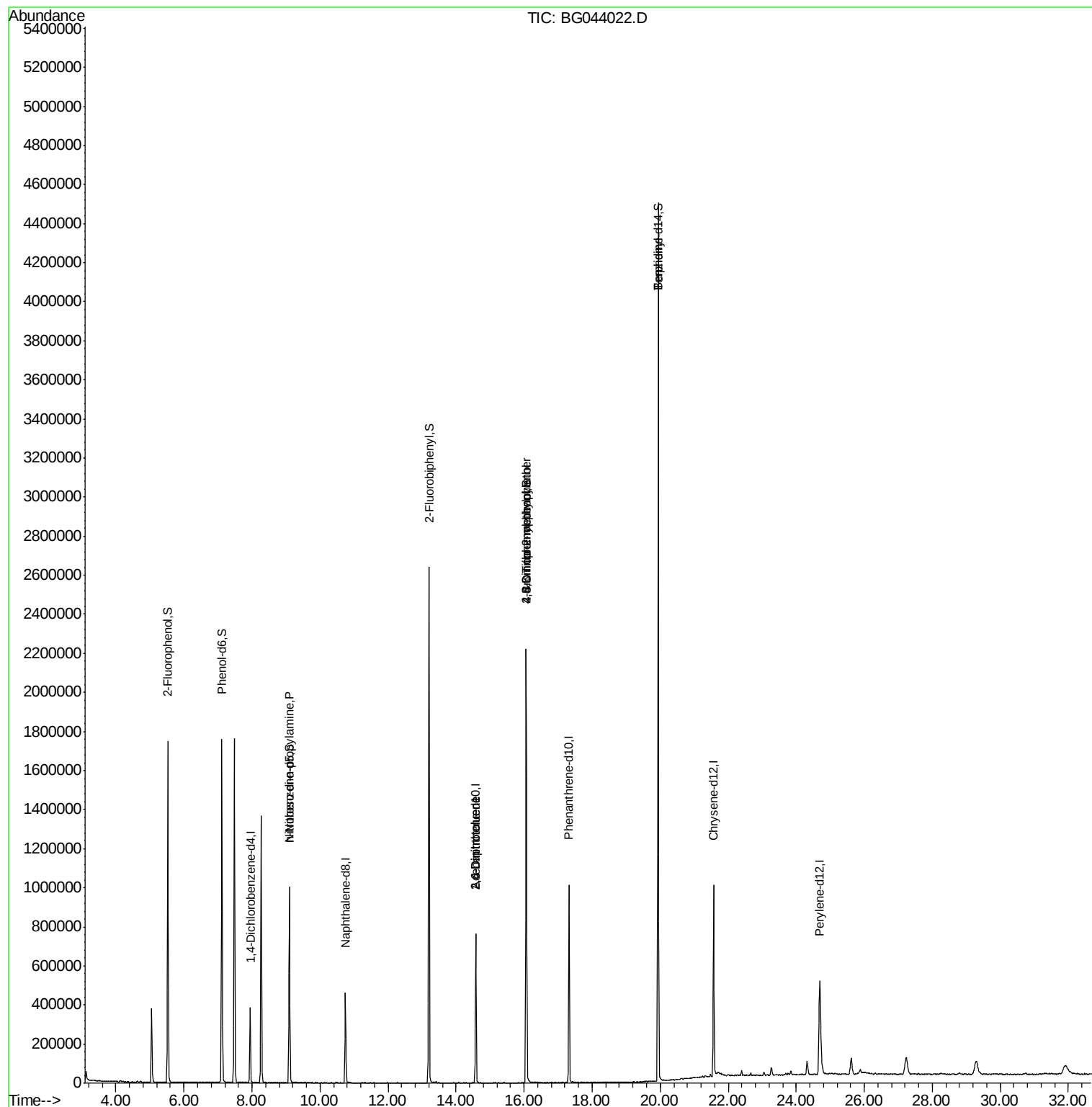
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	109053	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	438973	20.00	ng	-0.02
39) Acenaphthene-d10	14.57	164	282176	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	634591	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	581981	20.00	ng	-0.02
87) Perylene-d12	24.70	264	642933	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	823808	138.70	ng	-0.01
7) Phenol-d6	7.11	99	1119865	134.89	ng	-0.01
23) Nitrobenzene-d5	9.10	82	641681	78.20	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	433610	146.84	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1417869	91.04	ng	-0.02
79) Terphenyl-d14	19.94	244	2319735	100.75	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	83308	13.474	ng	# 79
51) 2,6-Dinitrotoluene	14.57	165	37989	8.389	ng	# 27
57) 2,4-Dinitrotoluene	14.57	165	37989	6.165	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1456	4.794	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	30342	4.251	ng	# 1
77) Benzidine	19.94	184	42113	2.879	ng	# 93

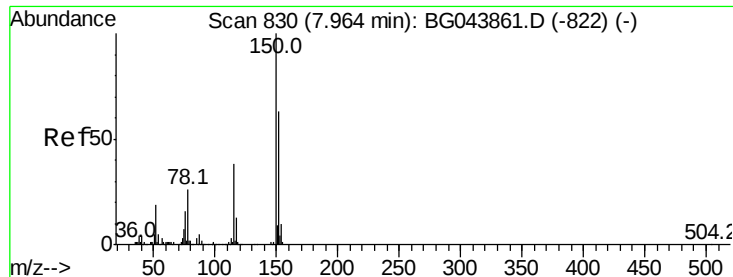
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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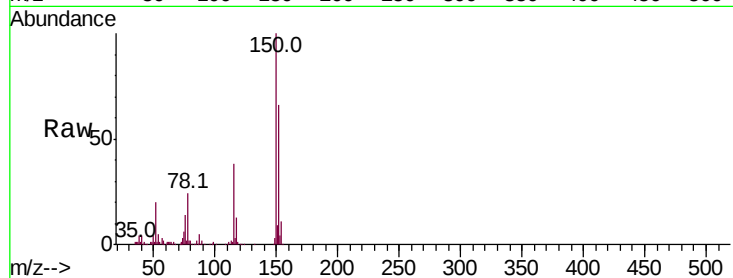


#1

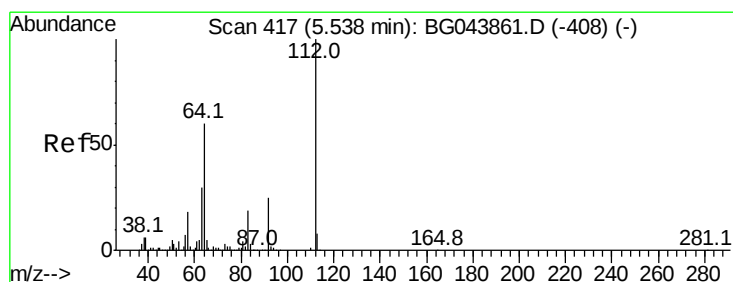
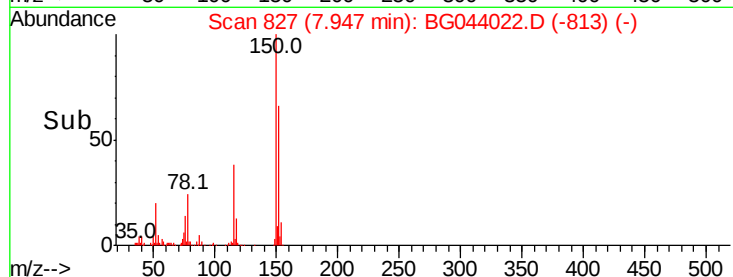
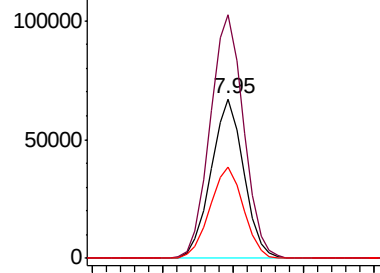
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 109053
Ion Ratio Lower Upper
152 100
150 152.5 127.0 190.4
115 57.6 47.8 71.8



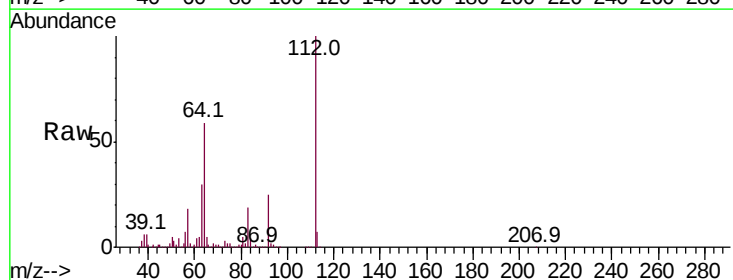
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



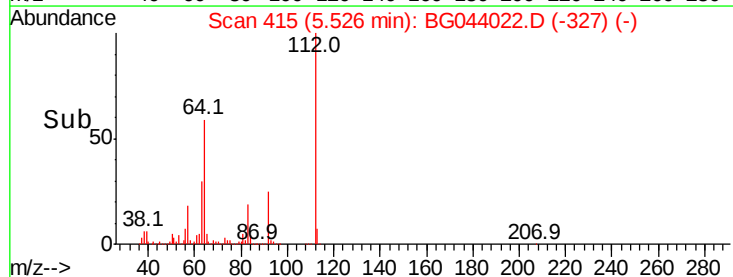
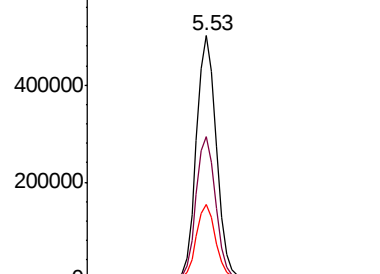
#5

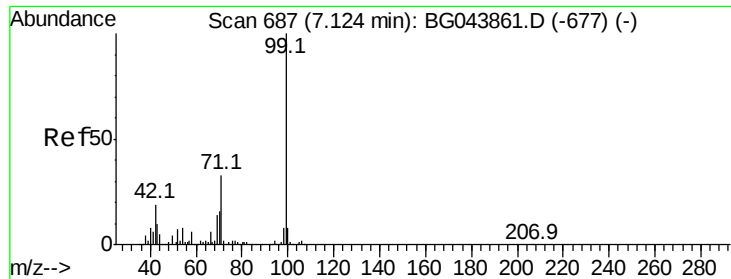
2-Fluorophenol
Concen: 138.704 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

Tgt Ion:112 Resp: 823808
Ion Ratio Lower Upper
112 100
64 58.7 47.8 71.6
63 30.5 24.3 36.5



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: 134.890 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

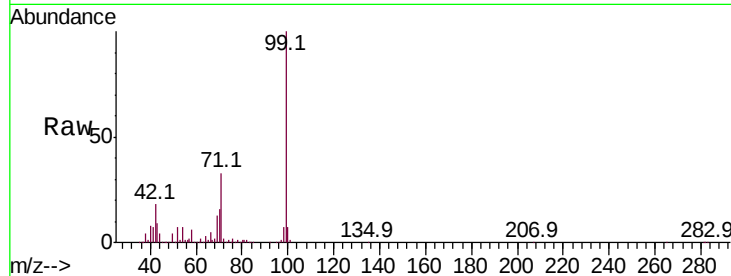
Tot Ion: 99 Resp: 1119865

Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

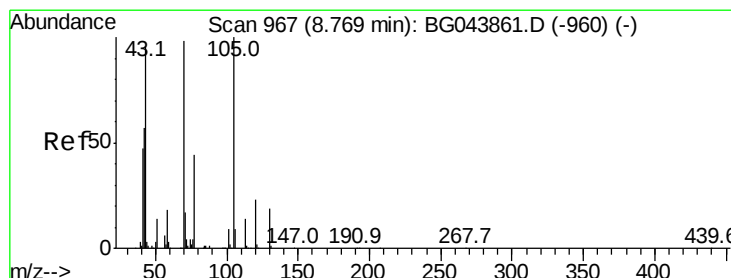
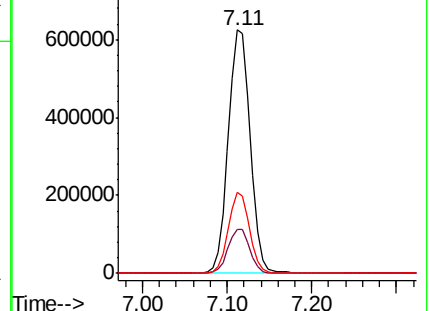
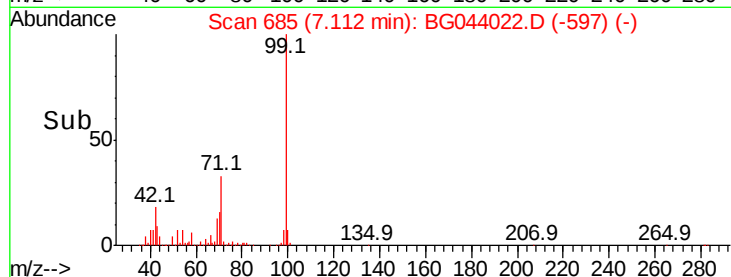
71 33.0 26.4 39.6



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: 13.474 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.33 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Tgt Ion: 70 Resp: 83308

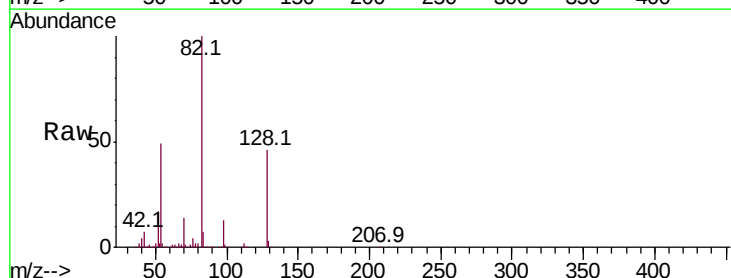
Ion Ratio Lower Upper

70 100

42 47.5 47.0 70.4

101 0.0 7.2 10.8#

130 2.4 15.6 23.4#

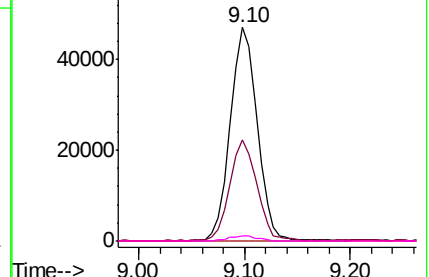
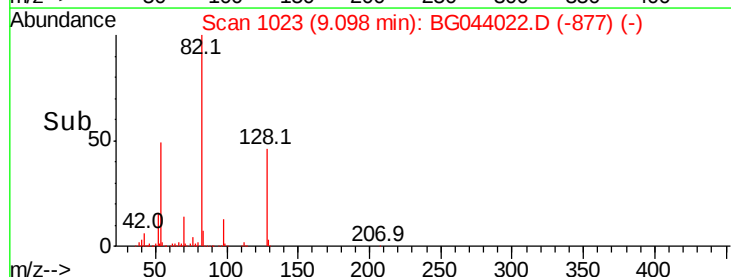


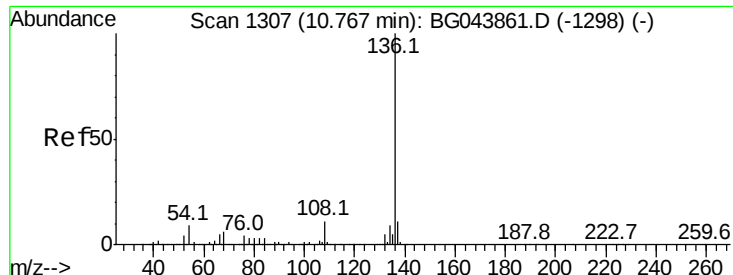
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

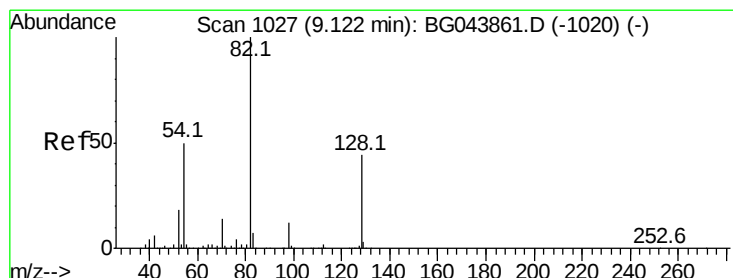
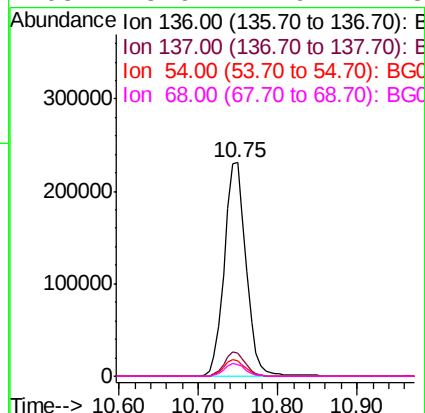
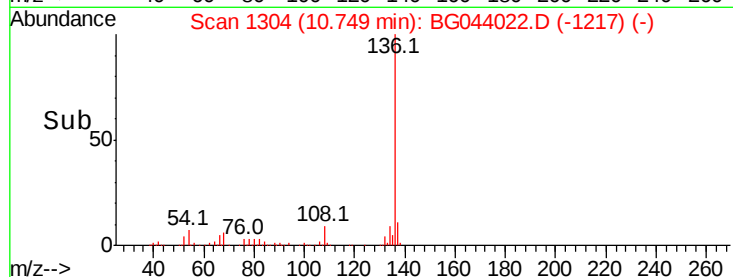
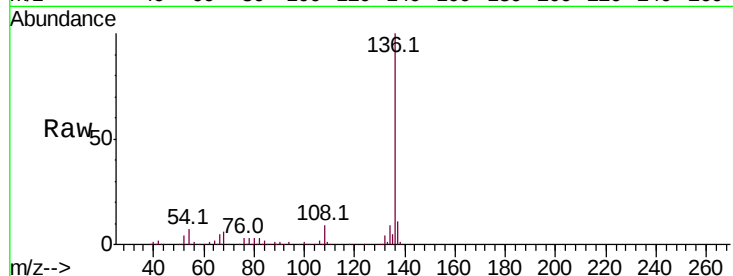




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

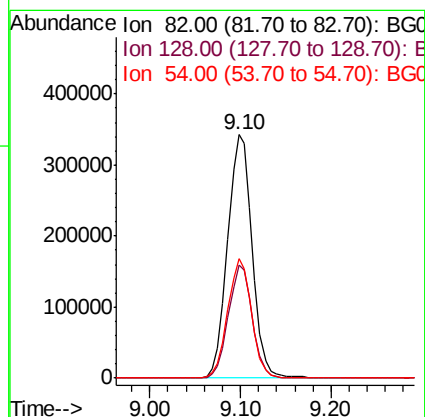
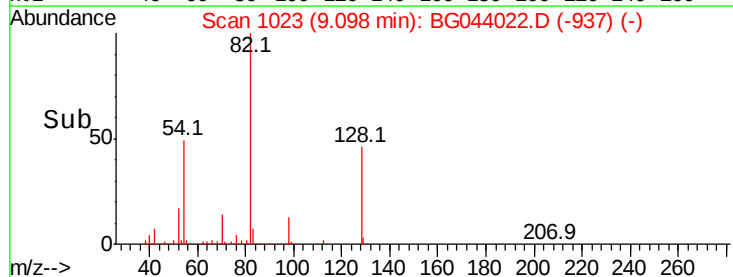
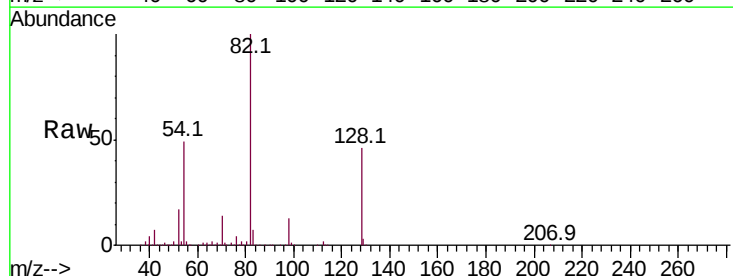
Instrument :
BNA_G
ClientSampleId :

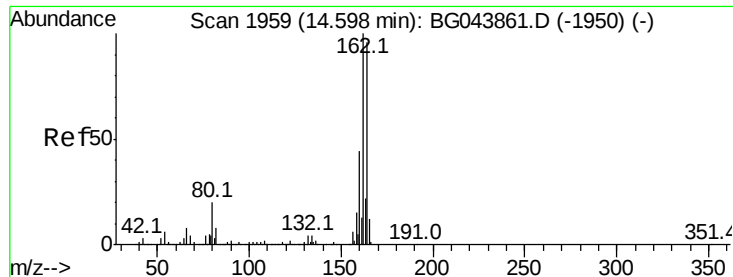
Tot Ion:136	Resp:	438973
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 7.3	7.0	10.4
68 5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 78.199 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

Tgt Ion: 82	Resp:	641681
Ion Ratio	Lower	Upper
82 100		
128 46.4	35.1	52.7
54 49.0	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

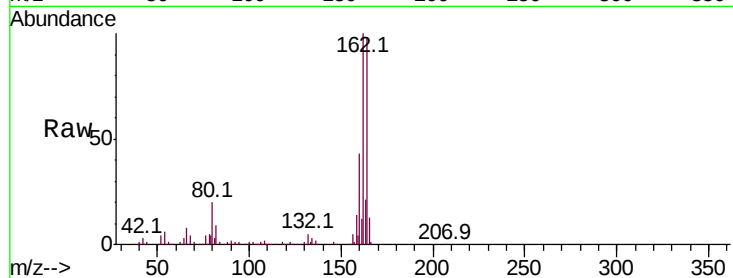
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 282176

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.0	124.4
160	43.8	36.1	54.1

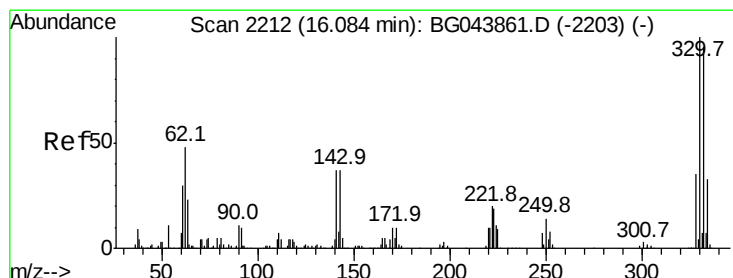
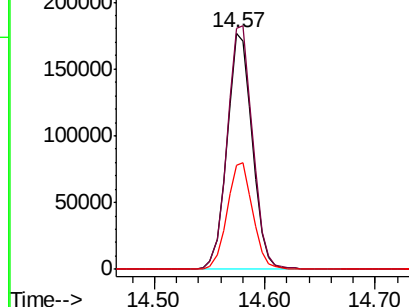
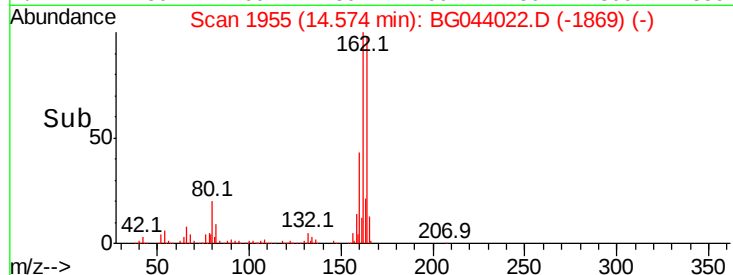


Abundance

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: 146.841 ng

RT: 16.07 min Scan# 2209

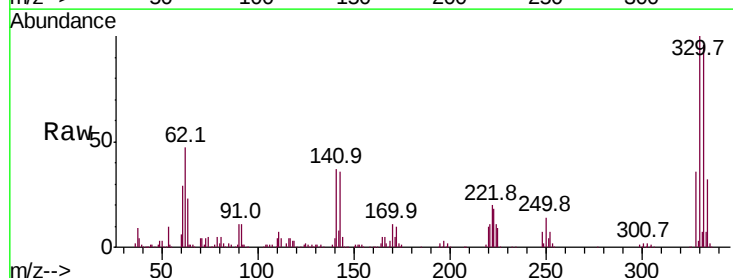
Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Tgt Ion:330 Resp: 433610

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.2	115.8
141	37.9	33.1	49.7

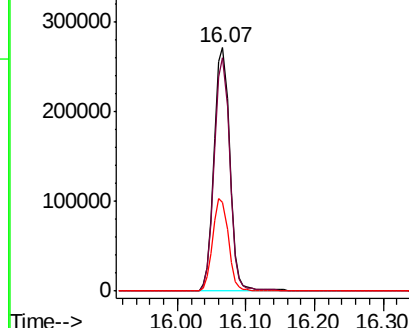
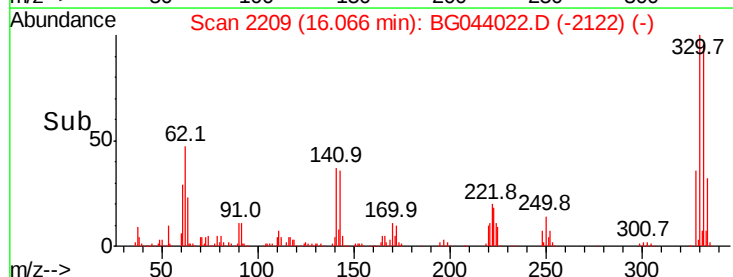


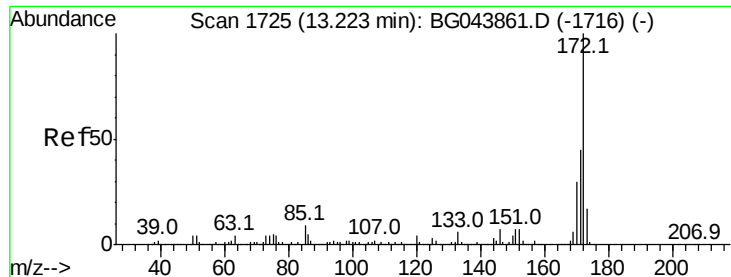
Abundance

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

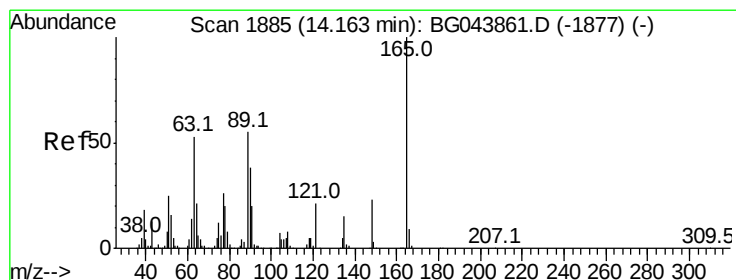
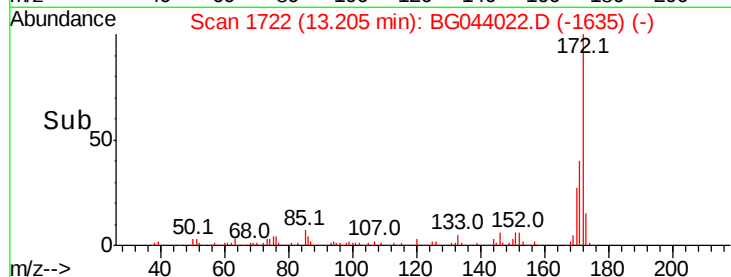
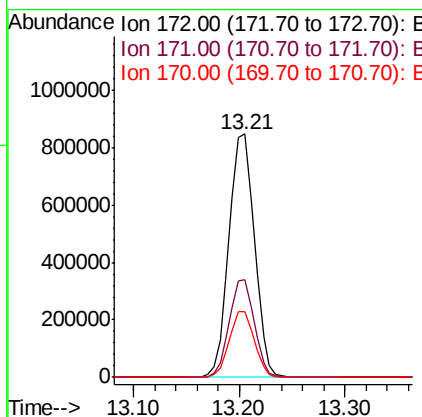
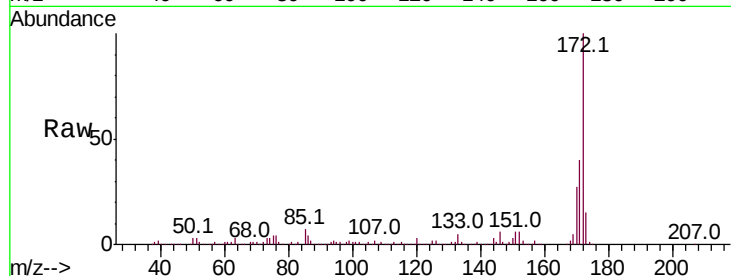




#45
2-Fluorobiphenyl
Concen: 91.037 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

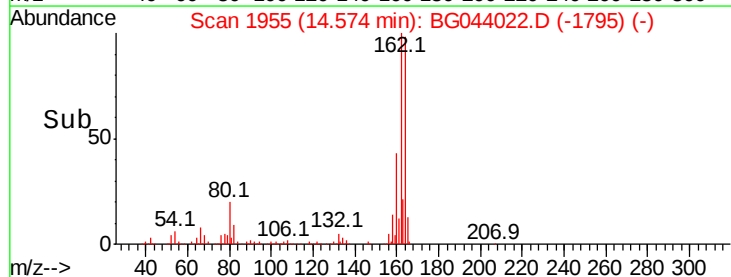
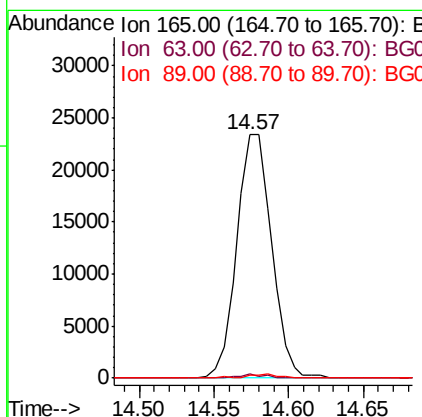
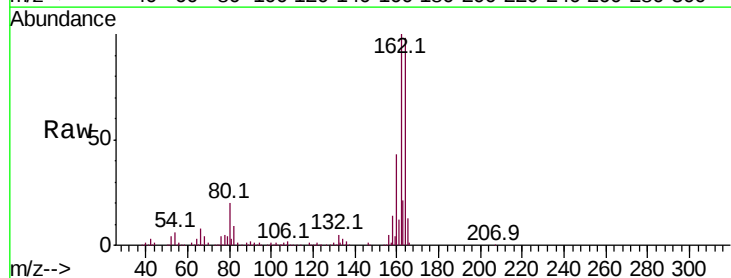
Instrument :
BNA_G
ClientSampleId :

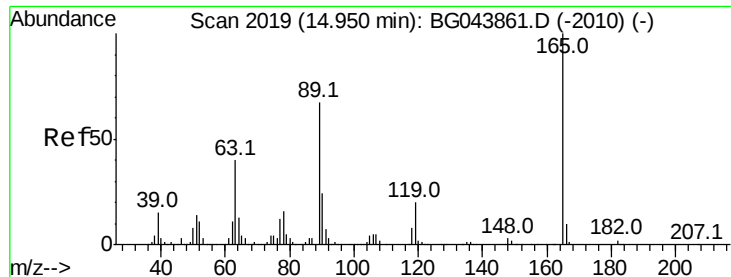
Tot Ion:172 Resp: 1417869
Ion Ratio Lower Upper
172 100
171 40.1 35.8 53.8
170 27.2 24.2 36.4



#51
2,6-Dinitrotoluene
Concen: 8.389 ng
RT: 14.57 min Scan# 1955
Delta R.T. 0.41 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

Tgt Ion:165 Resp: 37989
Ion Ratio Lower Upper
165 100
63 1.6 43.1 64.7#
89 1.5 43.8 65.6#

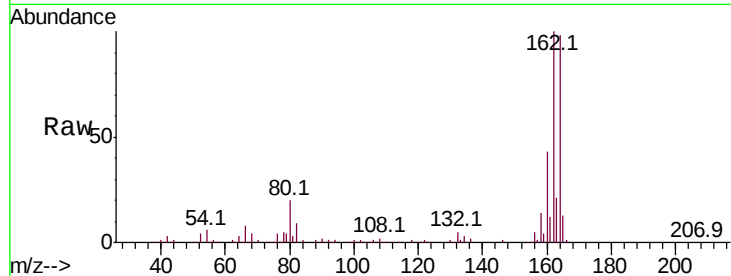




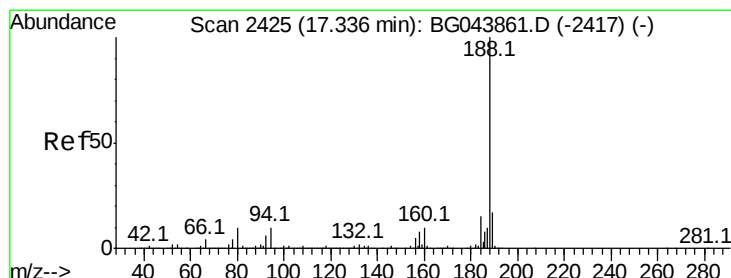
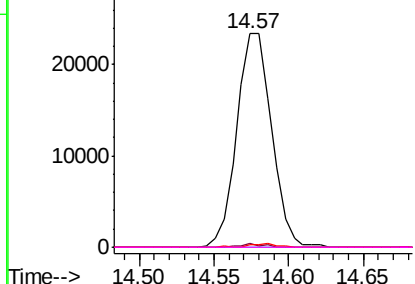
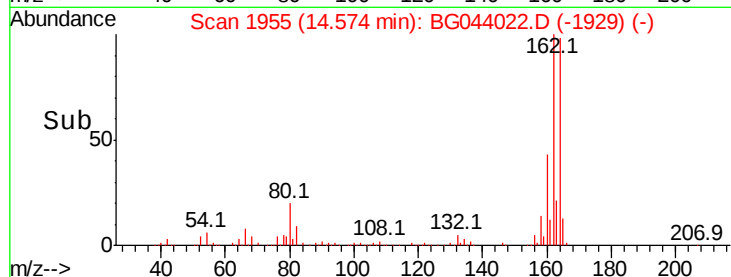
#57
 2,4-Dinitrotoluene
 Concen: 6.165 ng
 RT: 14.57 min Scan# 1955
 Delta R.T. -0.38 min
 Lab File: BG044022.D
 Acq: 13 Jan 2020 21:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	37989
Ion	Ratio	Lower	Upper
165	100		
63	1.6	31.9	47.9#
89	1.5	53.8	80.6#
182	0.0	2.0	3.0#

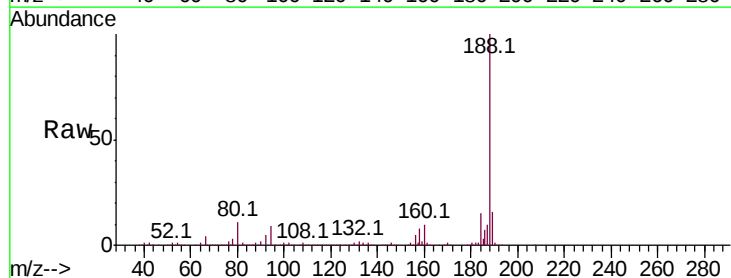


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

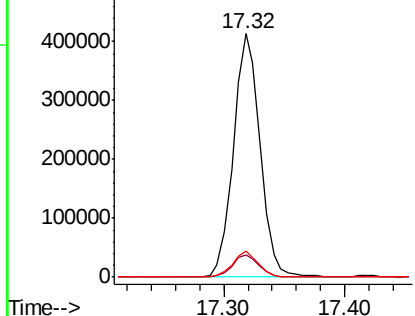
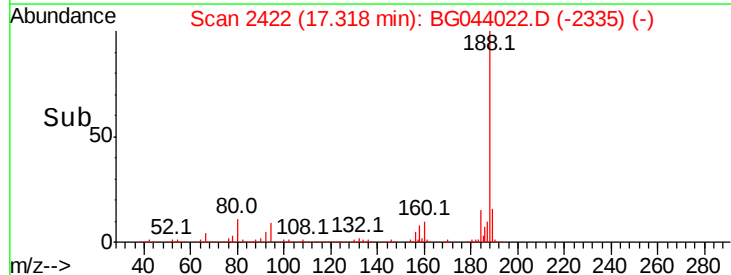


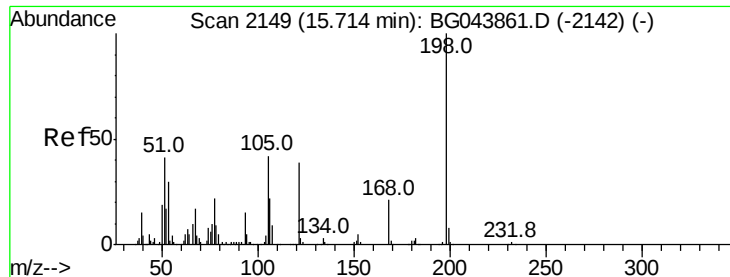
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.02 min
 Lab File: BG044022.D
 Acq: 13 Jan 2020 21:38

Tgt Ion:	188	Resp:	634591
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.9	11.9
80	10.8	8.2	12.4



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





#65

4,6-Dinitro-2-methylphenol

Concen: 4.794 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

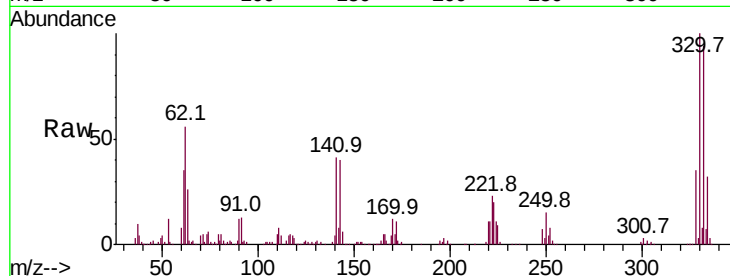
Tot Ion:198 Resp: 1456

Ion Ratio Lower Upper

198 100

51 145.2 22.5 62.5#

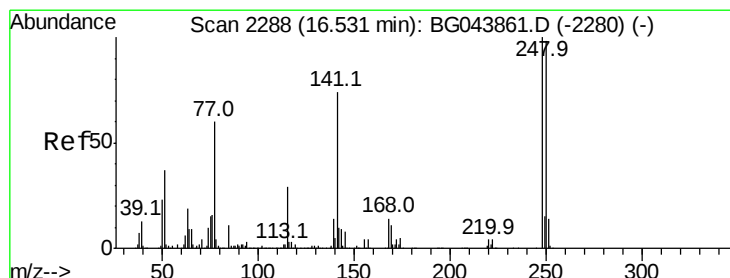
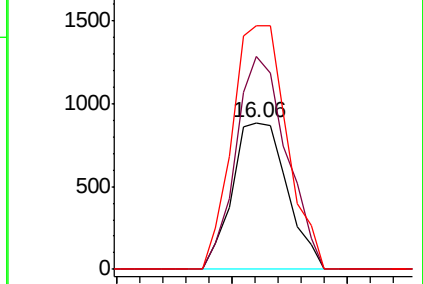
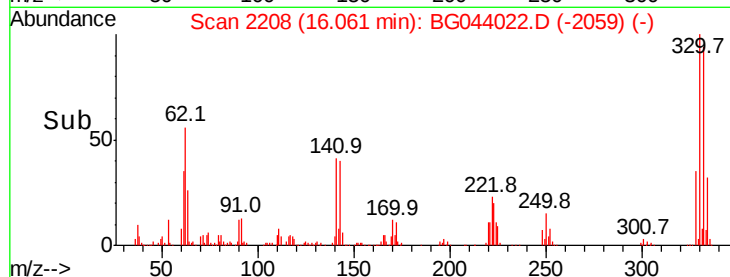
105 166.2 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.251 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.46 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

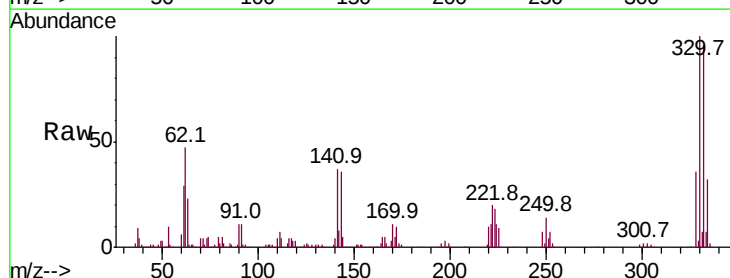
Tgt Ion:248 Resp: 30342

Ion Ratio Lower Upper

248 100

250 200.4 78.2 117.2#

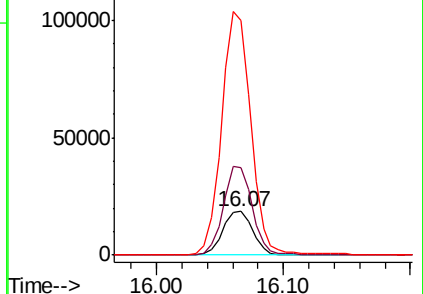
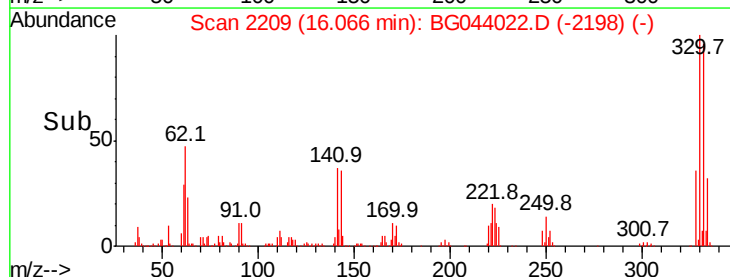
141 540.1 59.3 88.9#

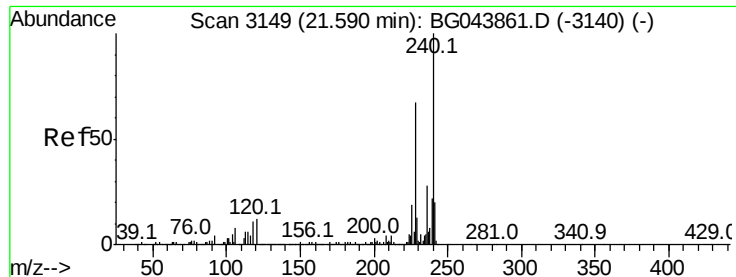


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

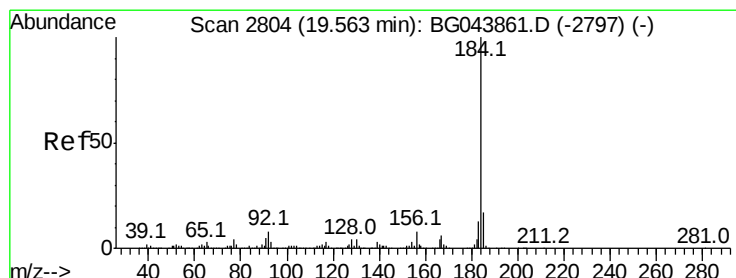
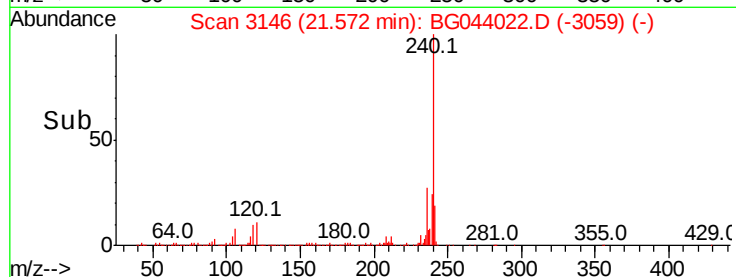
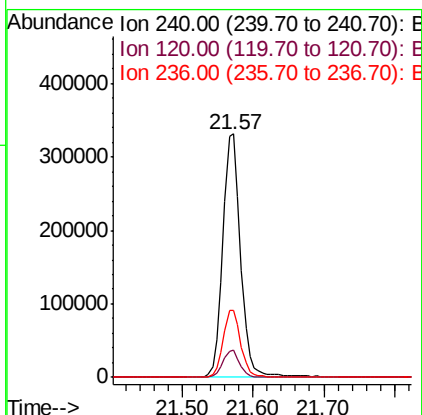
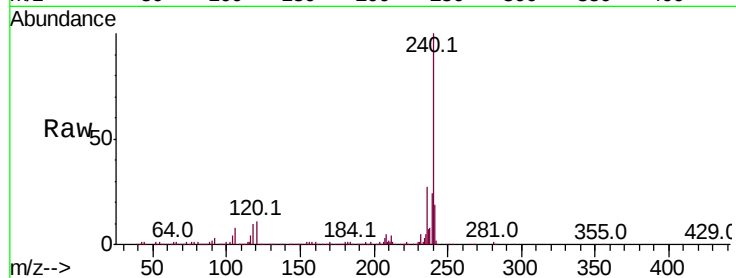




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

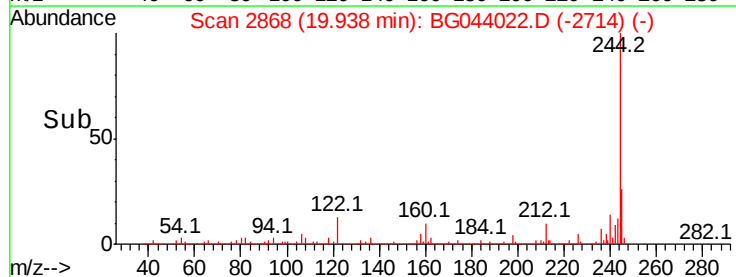
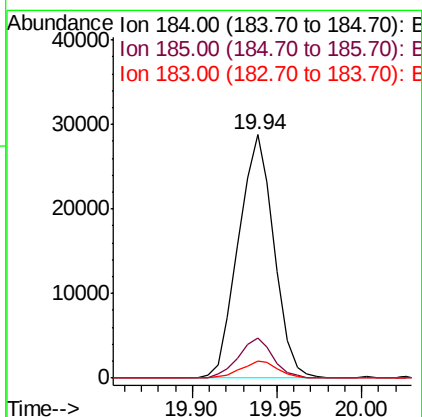
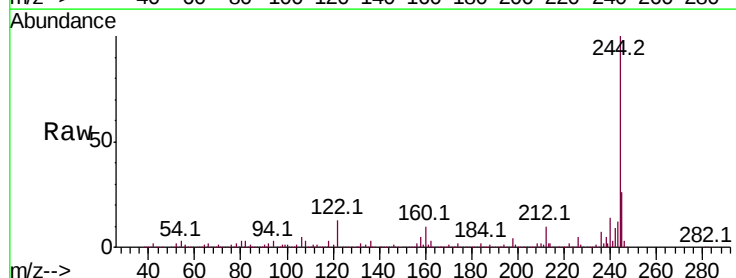
Instrument :
BNA_G
ClientSampleId :

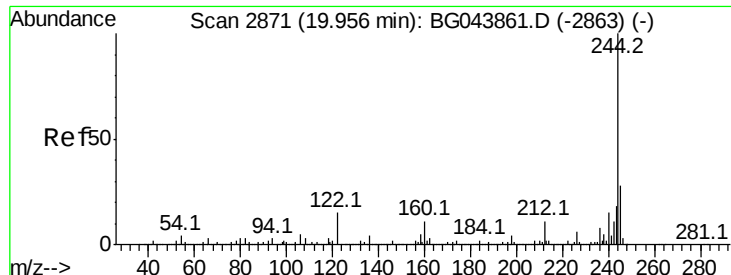
Tot Ion:240 Resp: 581981
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 27.3 22.2 33.2



#77
Benzidine
Concen: 2.879 ng
RT: 19.94 min Scan# 2868
Delta R.T. 0.38 min
Lab File: BG044022.D
Acq: 13 Jan 2020 21:38

Tgt Ion:184 Resp: 42113
Ion Ratio Lower Upper
184 100
185 16.3 13.4 20.0
183 7.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 100.752 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Instrument :

BNA_G

ClientSampleId :

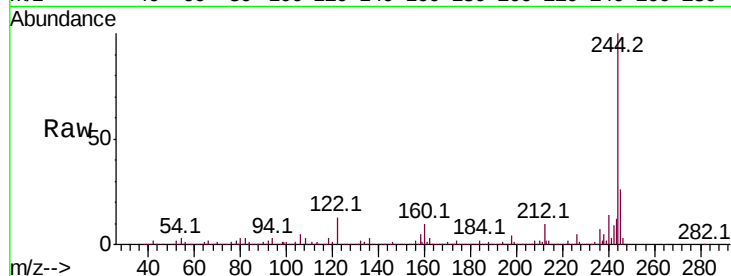
Tot Ion:244 Resp: 2319735

Ion Ratio Lower Upper

244 100

212 9.7 8.6 13.0

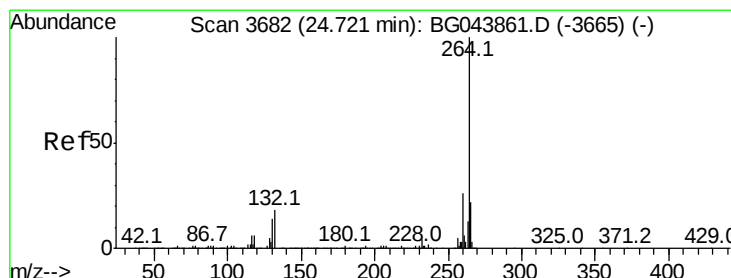
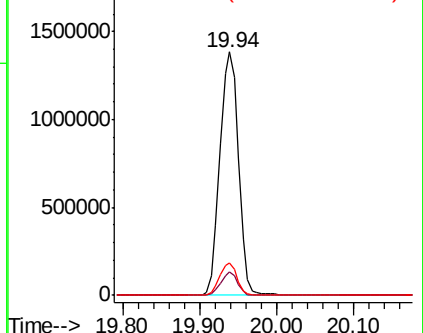
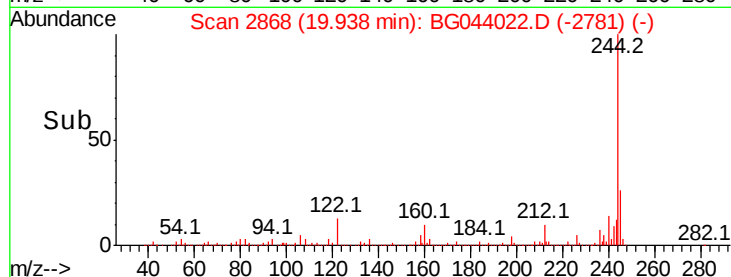
122 13.4 11.9 17.9



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: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

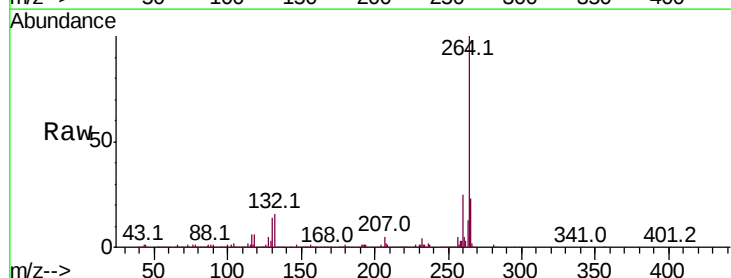
Tgt Ion:264 Resp: 642933

Ion Ratio Lower Upper

264 100

260 25.2 20.4 30.6

265 22.6 17.4 26.2



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

