

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031620\
 Data File : BG044815.D
 Acq On : 16 Mar 2020 16:19
 Operator : CG/JU
 Sample : L1912-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 16 17:45:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

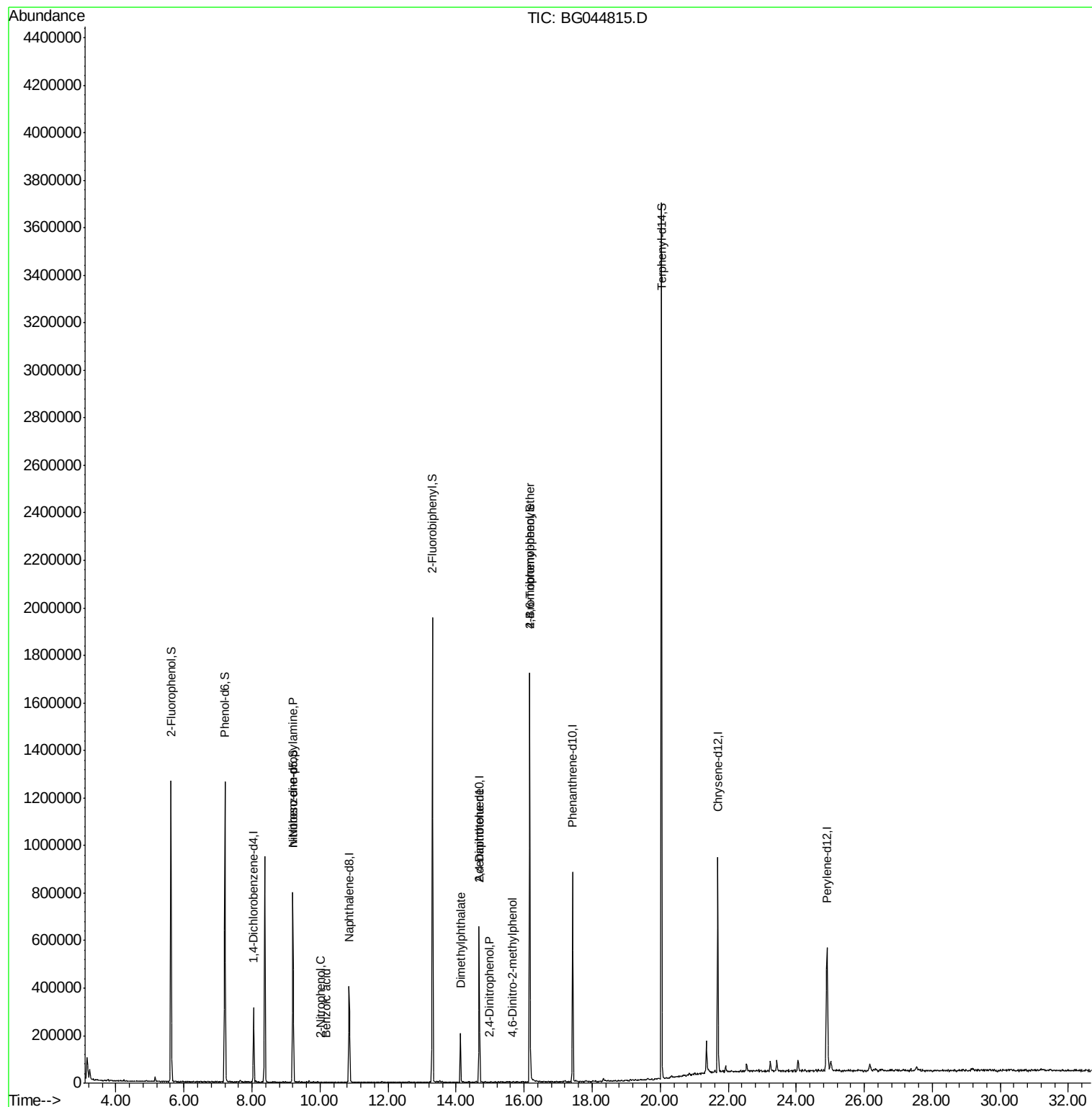
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	87347	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	347263	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	238752	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	561546	20.00	ng	0.00
76) Chrysene-d12	21.70	240	532005	20.00	ng	0.00
87) Perylene-d12	24.90	264	590098	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	551512	98.29	ng	0.00
7) Phenol-d6	7.20	99	783042	96.05	ng	0.00
23) Nitrobenzene-d5	9.20	82	504508	63.75	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	336208	107.55	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1012844	60.75	ng	0.00
79) Terphenyl-d14	20.04	244	1711830	60.19	ng	0.00
Target Compounds						
9) Benzaldehyde	7.21	77	1702	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.20	70	67868	11.790	ng	# 77
26) 2-Nitrophenol	10.02	139	71	5.537	ng	# 28
32) Benzoic acid	10.19	122	76	9.685	ng	# 1
50) Dimethylphthalate	14.13	163	139934	7.359	ng	99
54) 2,4-Dinitrophenol	14.98	184	55	8.347	ng	# 21
57) 2,4-Dinitrotoluene	14.68	165	31395	5.972	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.66	198	76	7.752	ng	# 33
67) 4-Bromophenyl-phenylether	16.17	248	22574	3.216	ng	# 1

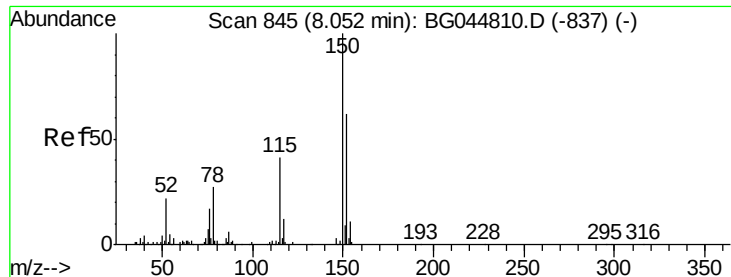
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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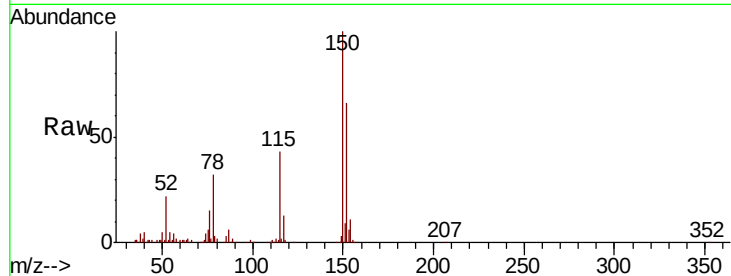


#1

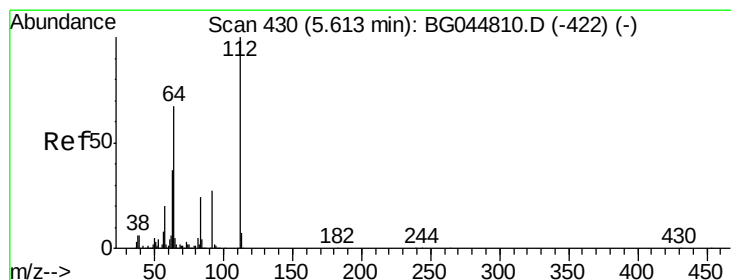
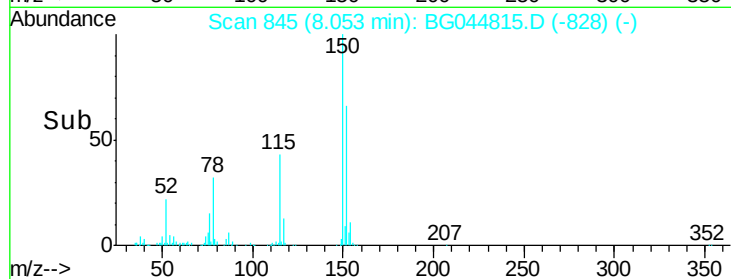
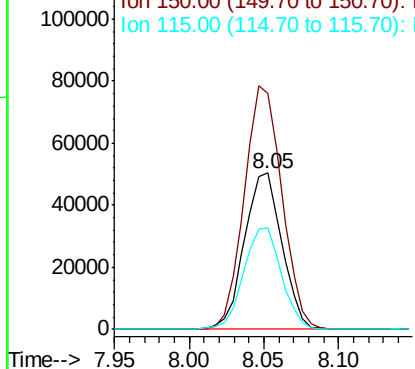
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 87347
Ion Ratio Lower Upper
152 100
150 150.9 128.8 193.2
115 64.8 52.6 79.0



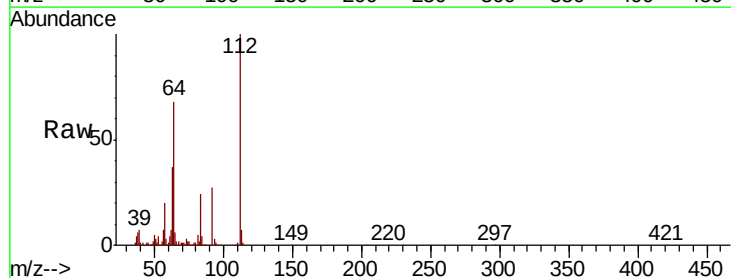
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



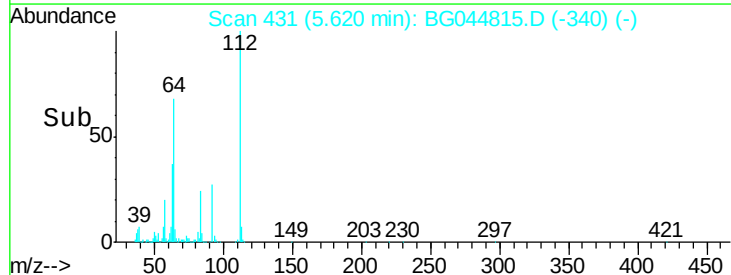
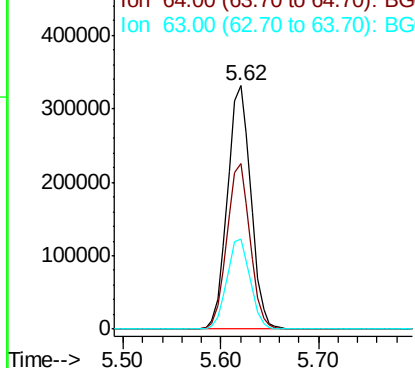
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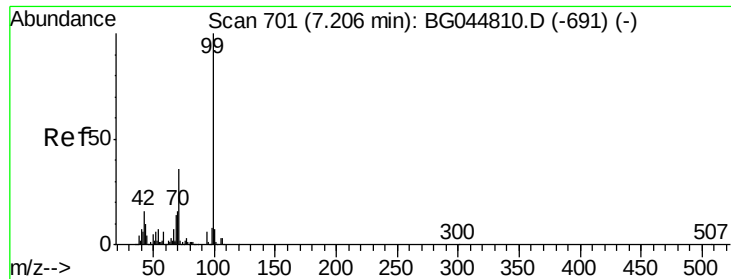
2-Fluorophenol
Concen: 98.290 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Tgt Ion:112 Resp: 551512
Ion Ratio Lower Upper
112 100
64 67.9 53.4 80.2
63 36.9 29.4 44.2



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: 96.049 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

Instrument :

BNA_G

ClientSampled :

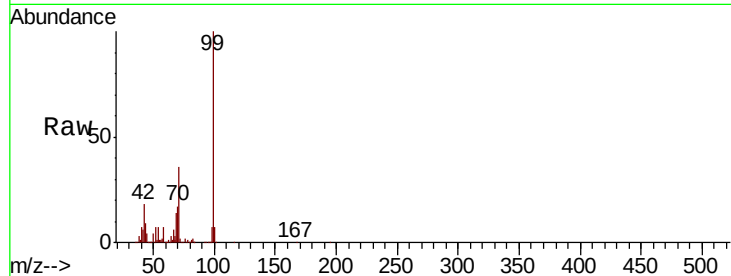
Tot Ion: 99 Resp: 783042

Ion Ratio Lower Upper

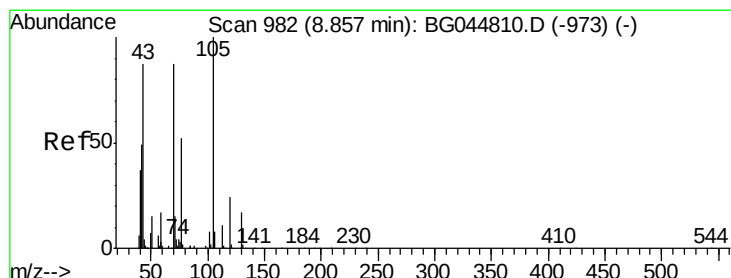
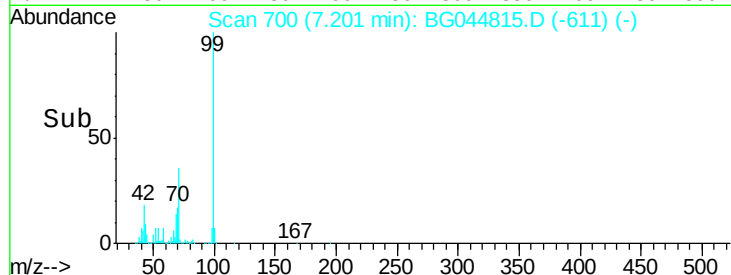
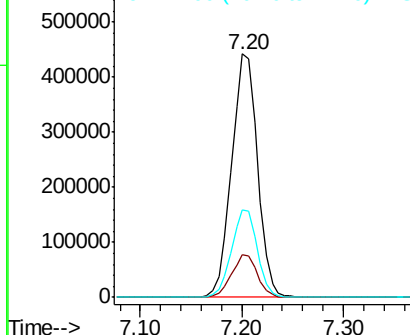
99 100

42 17.7 12.6 19.0

71 36.1 29.0 43.4



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: 11.790 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

Tgt Ion: 70 Resp: 67868

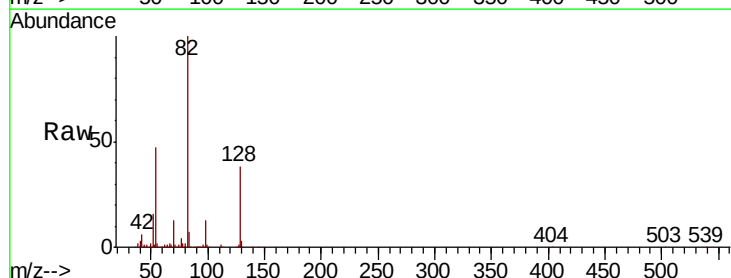
Ion Ratio Lower Upper

70 100

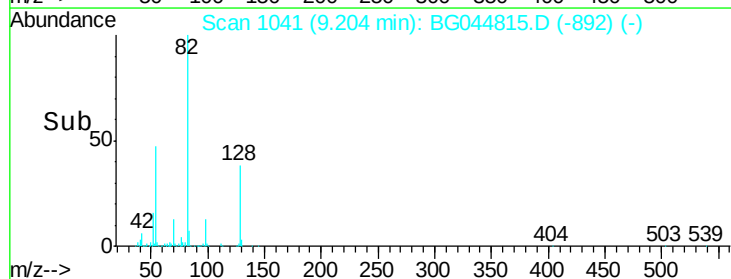
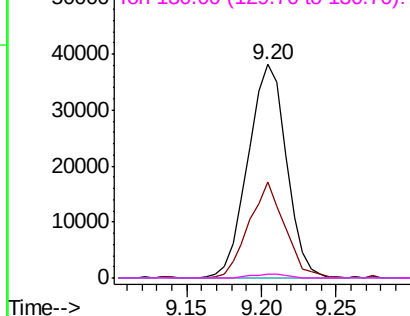
42 45.0 45.7 68.5#

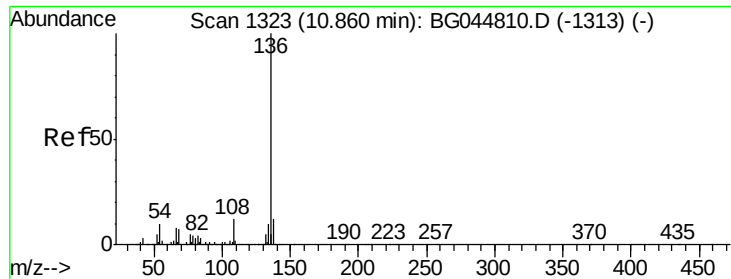
101 0.0 7.4 11.2#

130 1.6 15.9 23.9#



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

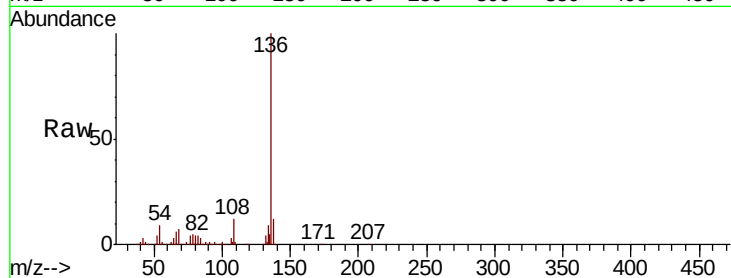




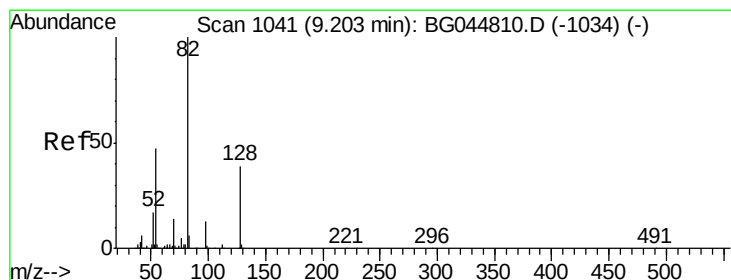
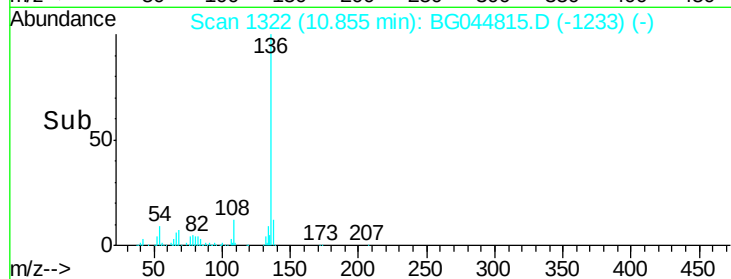
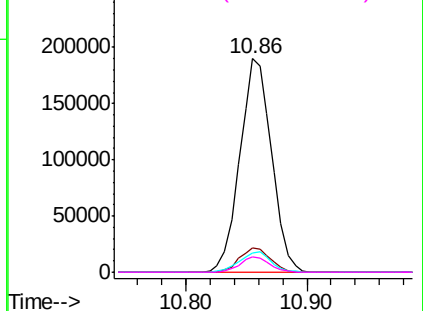
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	347263	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	9.8	14.6	
54 8.8	7.9	11.9	
68 7.4	5.4	8.0	

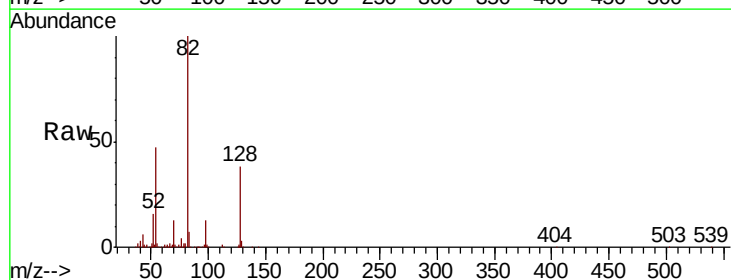


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

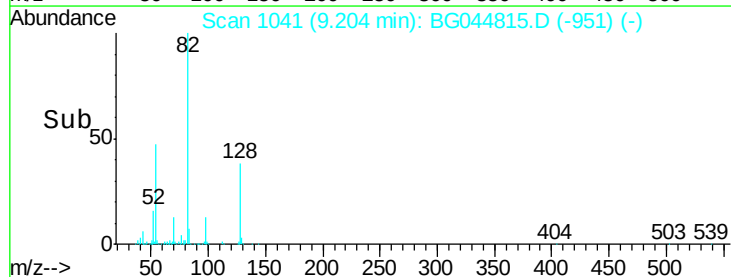
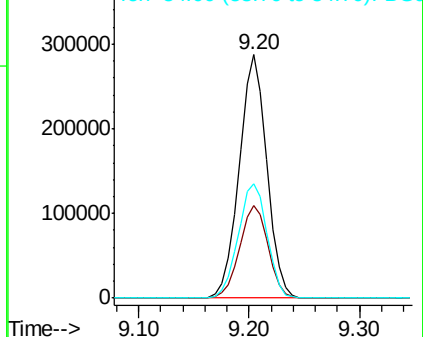


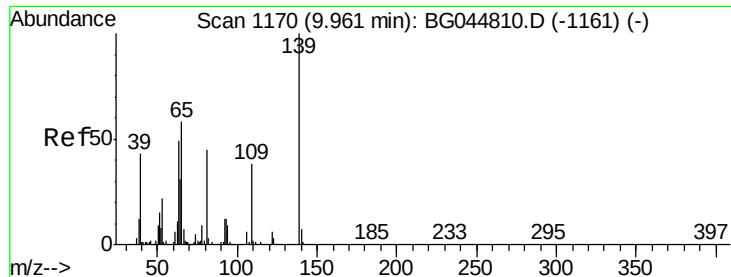
#23
Nitrobenzene-d5
Concen: 63.751 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Tgt Ion: 82	Resp: 504508
Ion Ratio	Lower Upper
82 100	
128 37.8	30.6 46.0
54 47.2	37.1 55.7



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

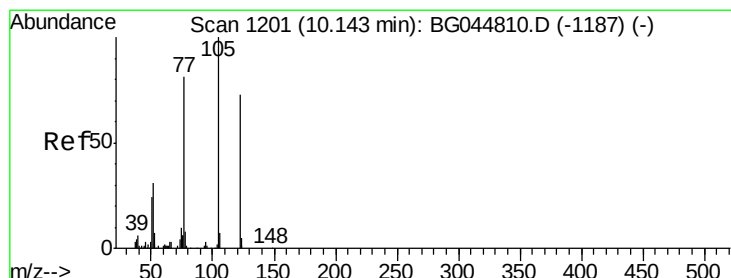
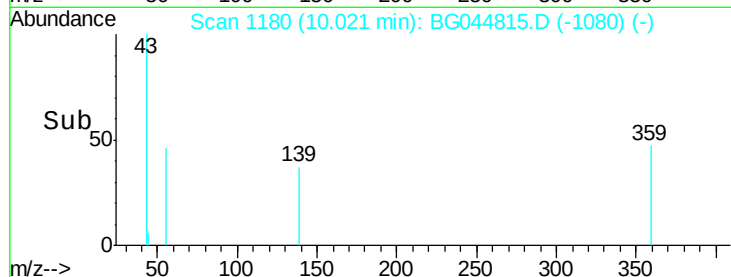
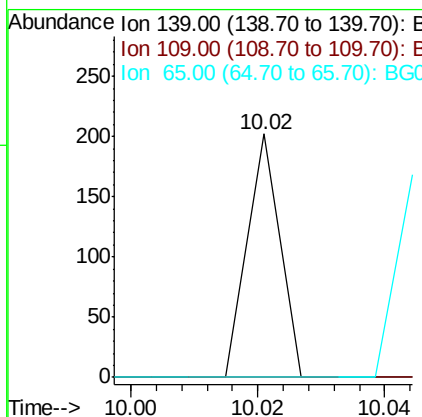
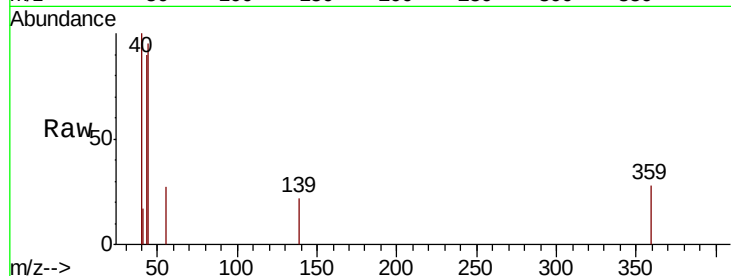




#26
2-Nitrophenol
Concen: 5.537 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.06 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

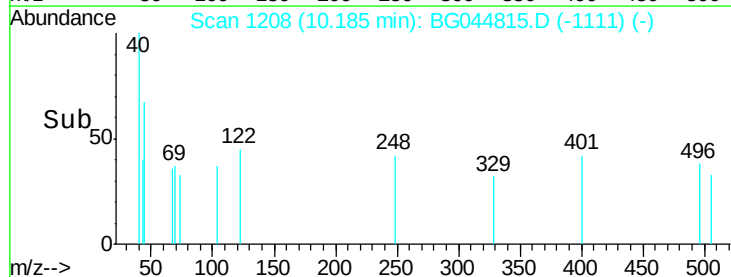
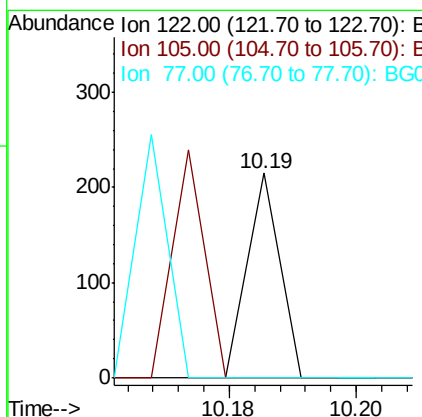
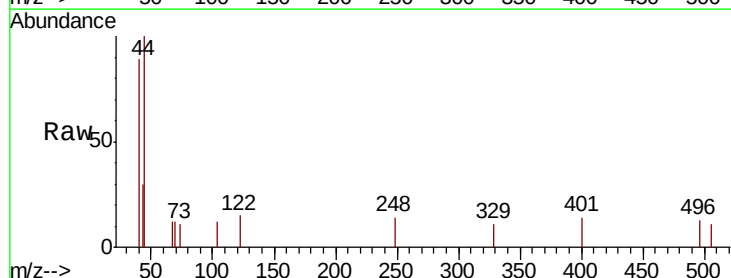
Instrument :
BNA_G
ClientSampled :

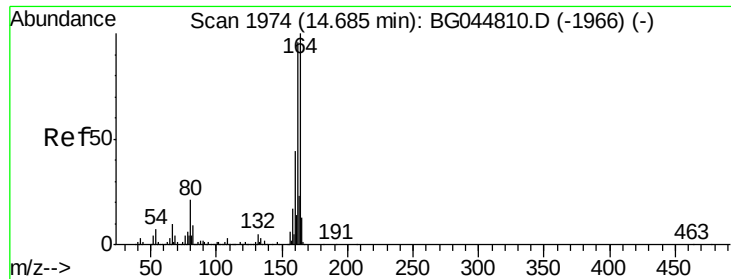
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.685 ng
RT: 10.19 min Scan# 1208
Delta R.T. 0.04 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	0.0	85.3	125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

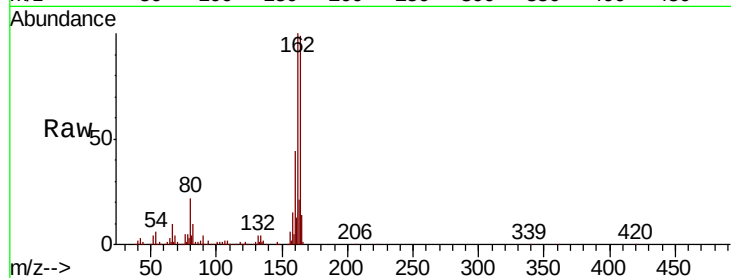
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 238752

Ion	Ratio	Lower	Upper
164	100		
162	100.8	76.7	115.1
160	44.7	35.0	52.4



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

14.68

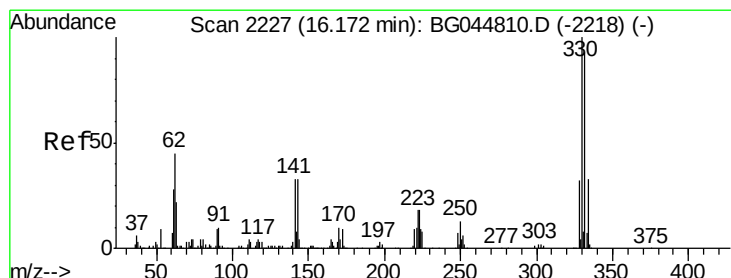
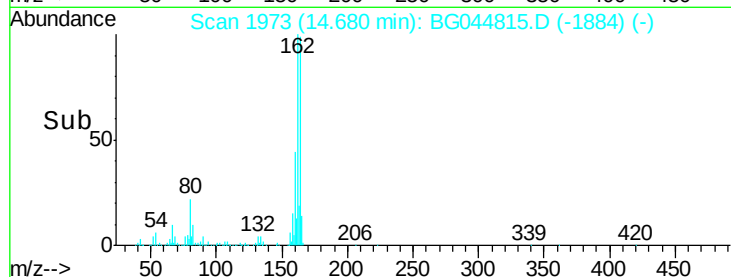
150000

100000

50000

0

Time-->



#42

2,4,6-Tribromophenol

Concen: 107.549 ng

RT: 16.17 min Scan# 2226

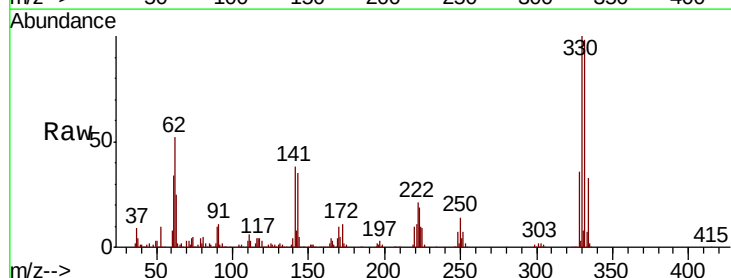
Delta R.T. -0.00 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

Tgt Ion:330 Resp: 336208

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.6
141	37.6	29.5	44.3



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

16.17

250000

200000

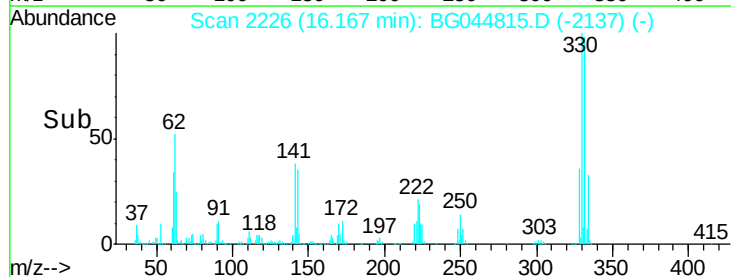
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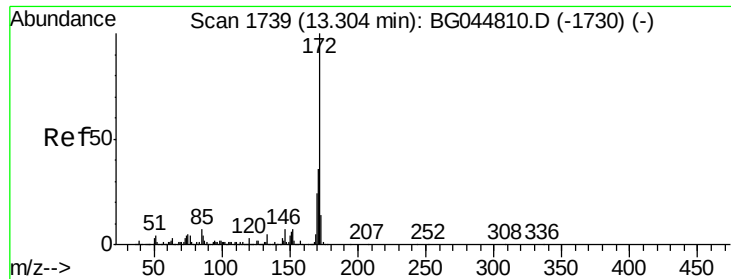
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50000

0

Time-->

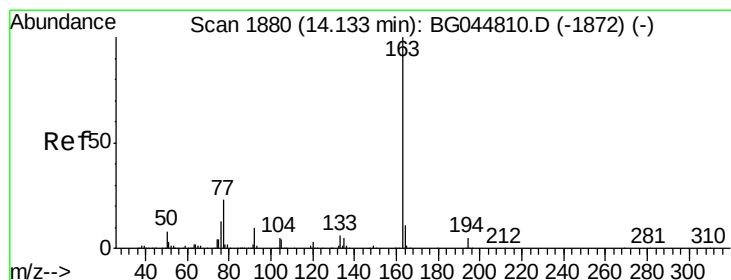
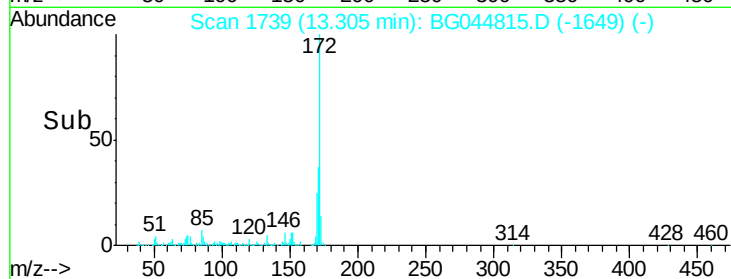
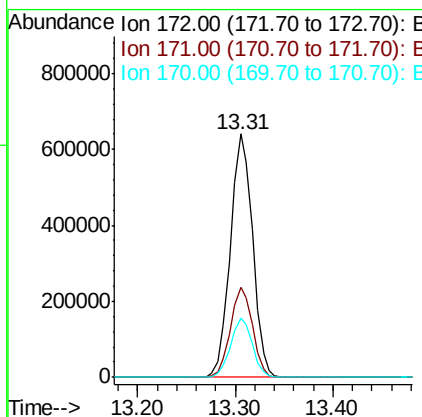
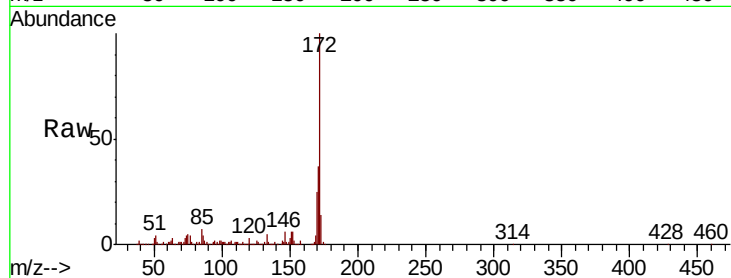




#45
2-Fluorobiphenyl
Concen: 60.750 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

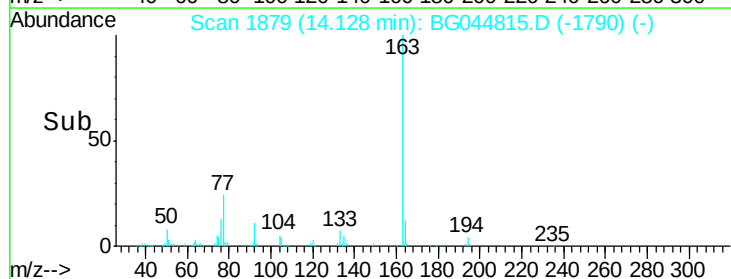
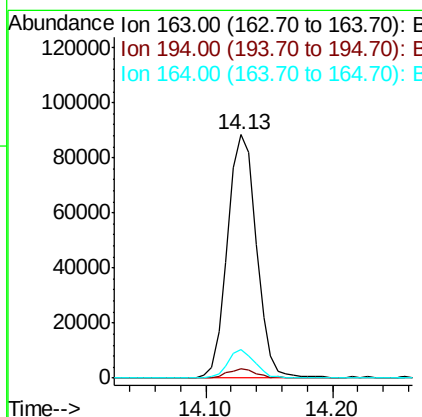
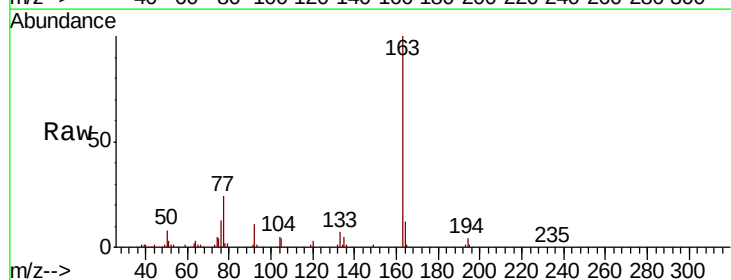
Instrument :
BNA_G
ClientSampleId :

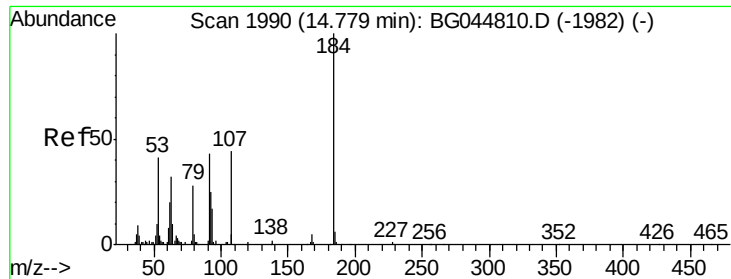
Tot Ion:172 Resp: 1012844
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 24.6 19.0 28.6



#50
Dimethylphthalate
Concen: 7.359 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Tgt Ion:163 Resp: 139934
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 11.8 9.1 13.7

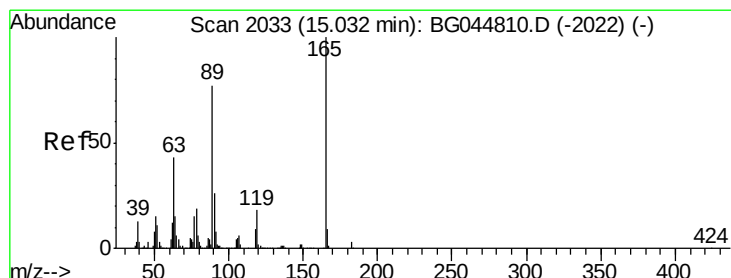
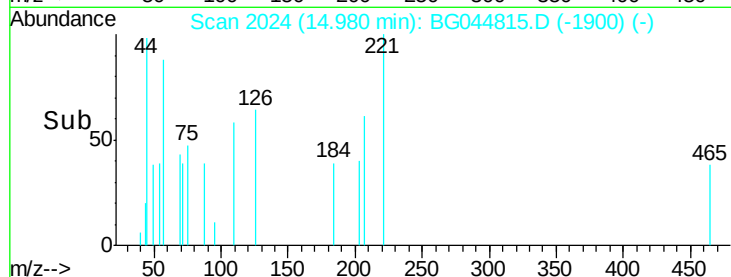
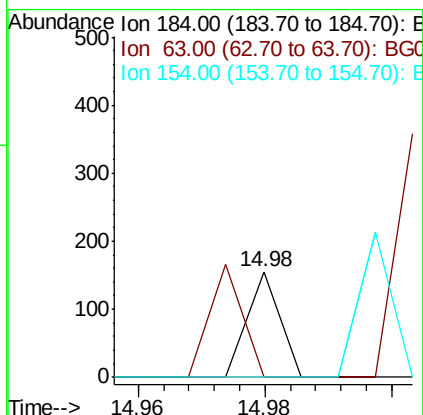
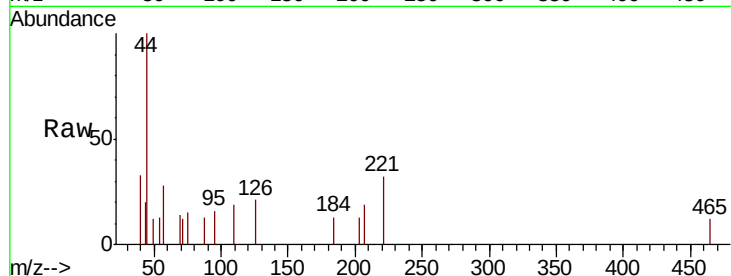




#54
2,4-Dinitrophenol
Concen: 8.347 ng
RT: 14.98 min Scan# 2024
Delta R.T. 0.20 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

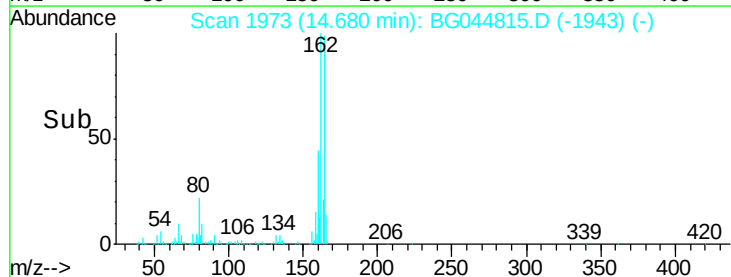
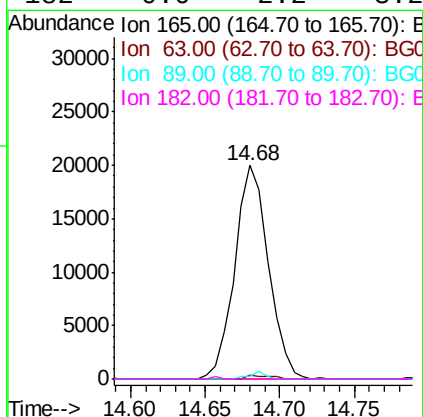
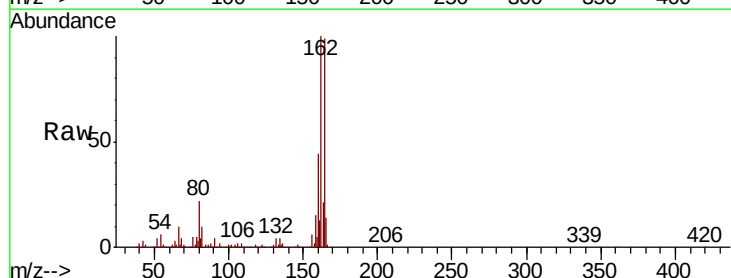
Instrument :
BNA_G
ClientSampleId :

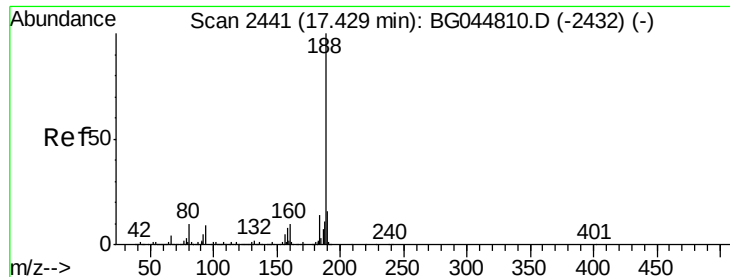
Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 45.5 68.3#
154 0.0 49.1 73.7#



#57
2,4-Dinitrotoluene
Concen: 5.972 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.35 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Tgt Ion:165 Resp: 31395
Ion Ratio Lower Upper
165 100
63 1.8 34.6 52.0#
89 1.3 61.3 91.9#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

Instrument :

BNA_G

ClientSampled :

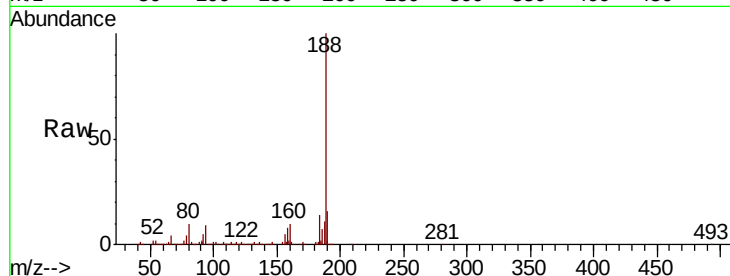
Tot Ion:188 Resp: 561546

Ion Ratio Lower Upper

188 100

94 8.8 7.3 10.9

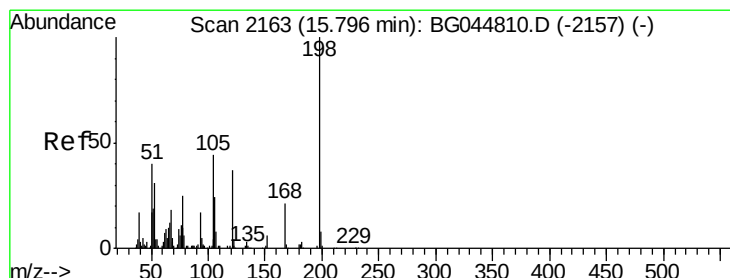
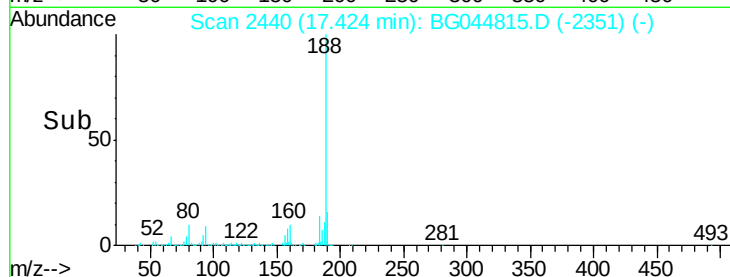
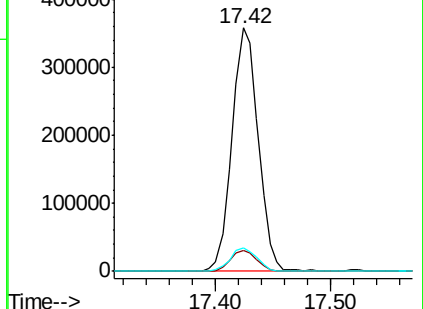
80 9.8 8.0 12.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.752 ng

RT: 15.66 min Scan# 2140

Delta R.T. -0.13 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

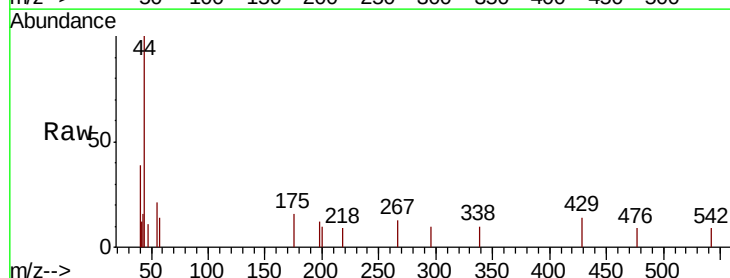
Tgt Ion:198 Resp: 76

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

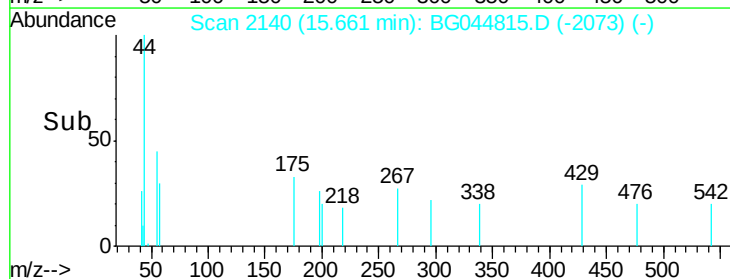
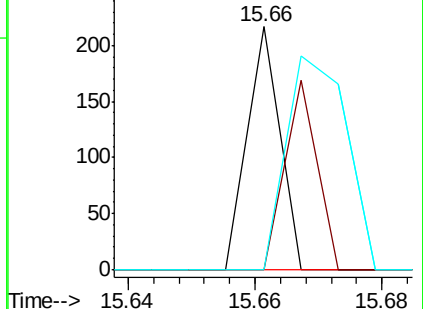
105 0.0 24.5 64.5#

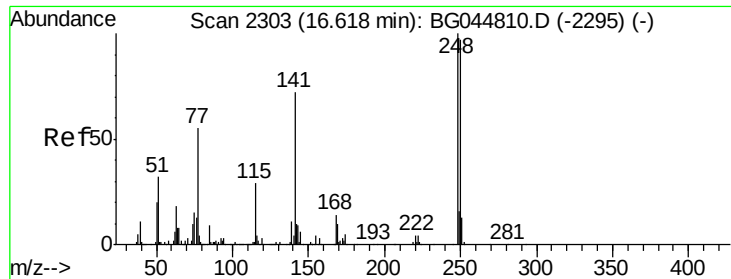


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

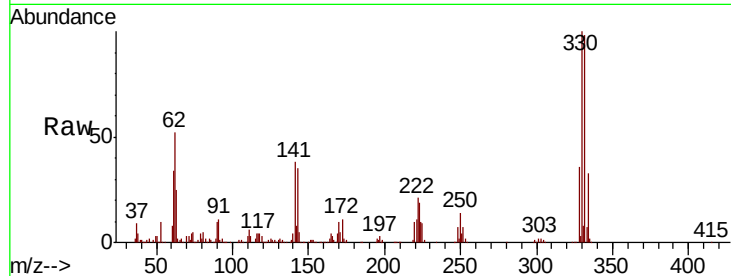




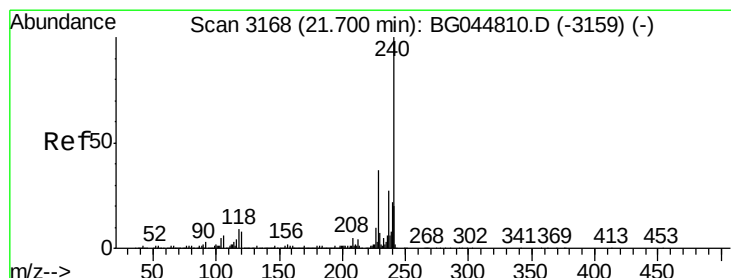
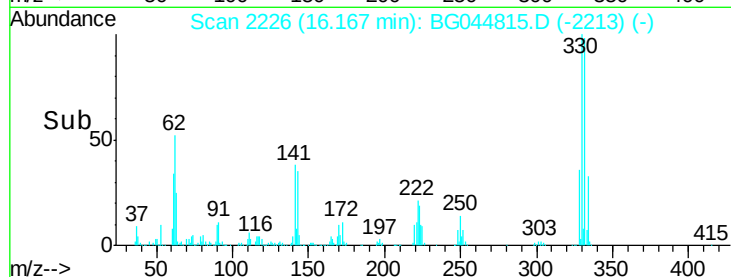
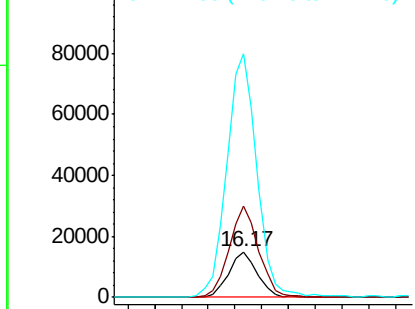
#67
4-Bromophenyl-phenylether
Concen: 3.216 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.45 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22574
Ion Ratio Lower Upper
248 100
250 199.8 77.9 116.9#
141 531.0 57.5 86.3#

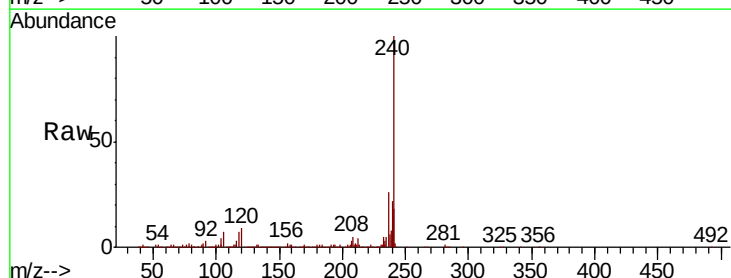


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

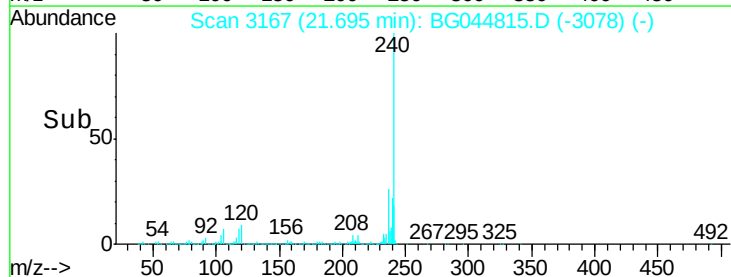
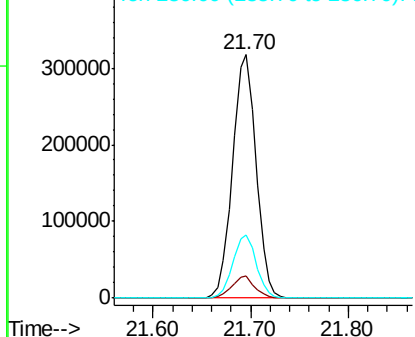


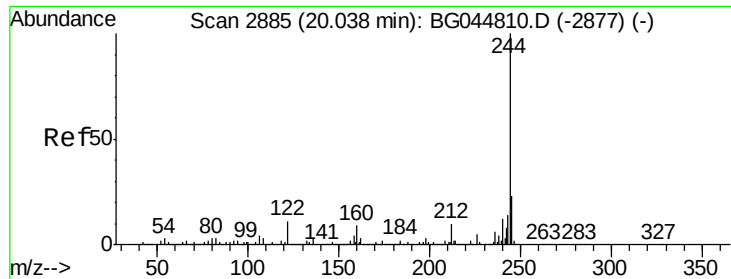
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG044815.D
Acq: 16 Mar 2020 16:19

Tgt Ion:240 Resp: 532005
Ion Ratio Lower Upper
240 100
120 9.1 6.7 10.1
236 25.8 21.5 32.3



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





#79

Terphenyl-d14

Concen: 60.189 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

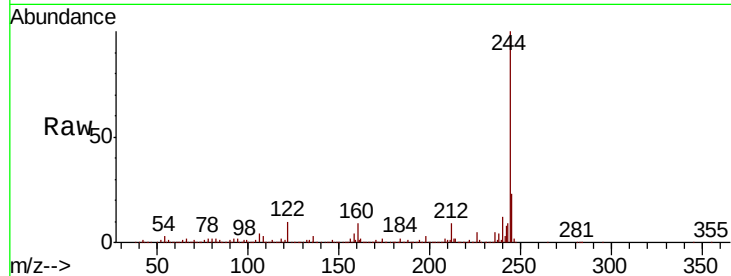
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1711830

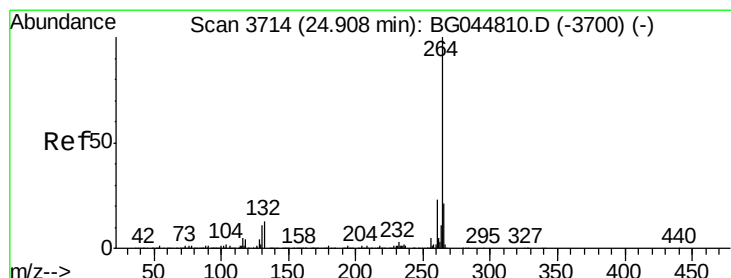
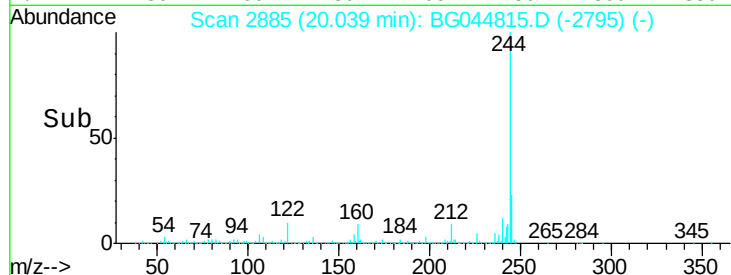
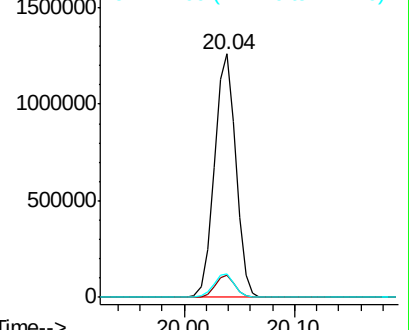
Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.7	11.5
122	9.6	8.6	12.8



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: 24.90 min Scan# 3713

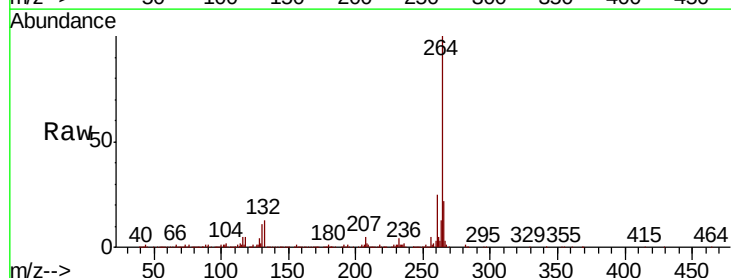
Delta R.T. -0.00 min

Lab File: BG044815.D

Acq: 16 Mar 2020 16:19

Tgt Ion:264 Resp: 590098

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.1	27.1
265	21.7	17.1	25.7



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

