

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051319\
 Data File : BG040928.D
 Acq On : 14 May 2019 2:22
 Operator : HP/JU
 Sample : K2818-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 050919-ESLT-F-D-B

Quant Time: May 14 03:26:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

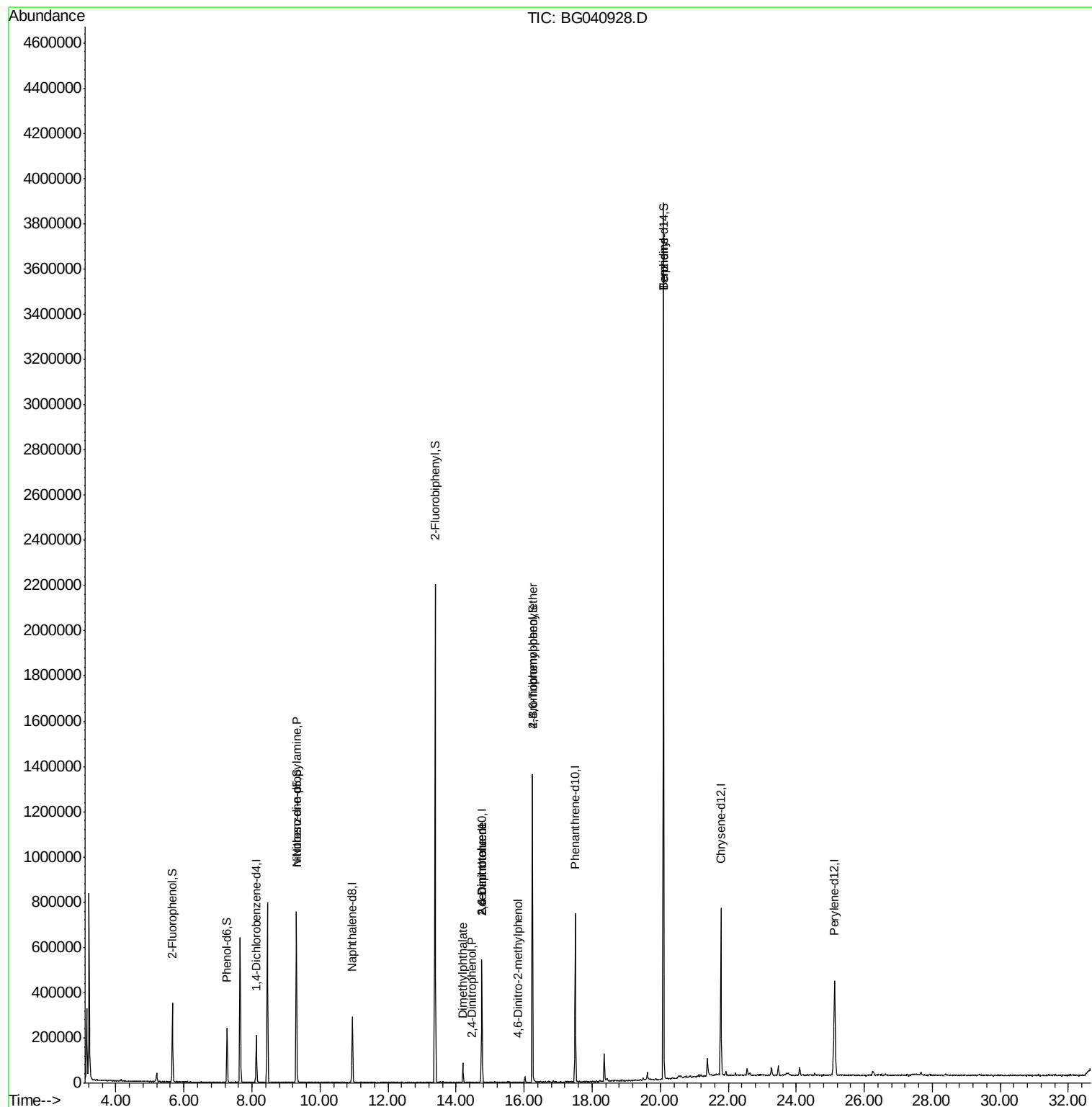
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	53729	20.00	ng	-0.03
21) Naphthalene-d8	10.95	136	232768	20.00	ng	-0.04
39) Acenaphthene-d10	14.76	164	184570	20.00	ng	-0.04
64) Phenanthrene-d10	17.50	188	461313	20.00	ng	-0.04
76) Chrysene-d12	21.78	240	452163	20.00	ng	-0.04
87) Perylene-d12	25.13	264	485847	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	134567	44.15	ng	-0.02
7) Phenol-d6	7.27	99	129561	27.61	ng	-0.03
23) Nitrobenzene-d5	9.30	82	460237	91.36	ng	-0.04
42) 2,4,6-Tribromophenol	16.24	330	247447	97.54	ng	-0.03
45) 2-Fluorobiphenyl	13.38	172	1107324	86.64	ng	-0.04
79) Terphenyl-d14	20.10	244	1781771	87.30	ng	-0.04
Target Compounds						
9) Benzaldehyde	7.26	77	228	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.30	70	66326	15.700	ng	# 74
50) Dimethylphthalate	14.20	163	55302	3.581	ng	# 97
51) 2,6-Dinitrotoluene	14.76	165	23558	7.816	ng	# 14
54) 2,4-Dinitrophenol	14.47	184	117	7.077	ng	# 21
57) 2,4-Dinitrotoluene	14.76	165	23558	5.752	ng	# 16
65) 4,6-Dinitro-2-methylphenol	15.81	198	53	7.121	ng	# 28
67) 4-Bromophenyl-phenylether	16.24	248	18353	3.193	ng	# 1
77) Benzydine	20.10	184	30191	2.439	ng	# 91

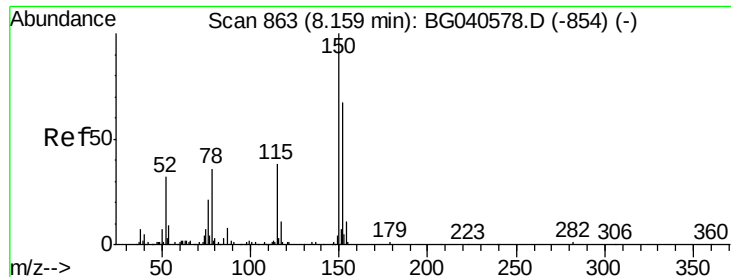
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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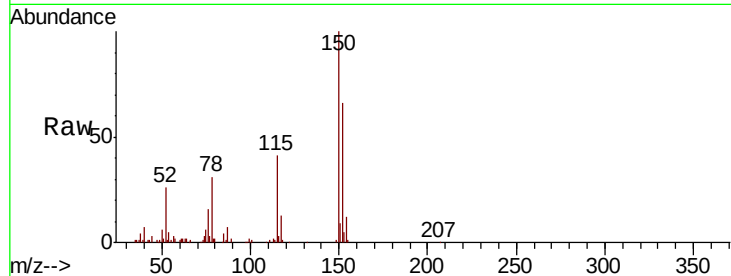


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: BG040928.D
 Acq: 14 May 2019 2:22

Instrument :
 BNA_G
 ClientSampleId :
 050919-ESLT-F-D-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.2	120.2	180.2
115	62.9	46.2	69.2

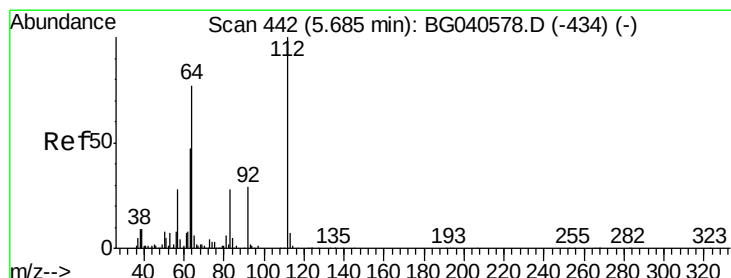
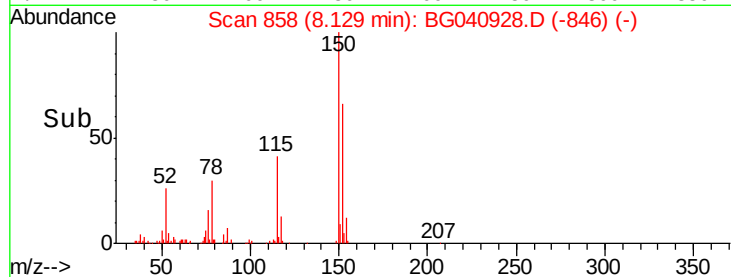
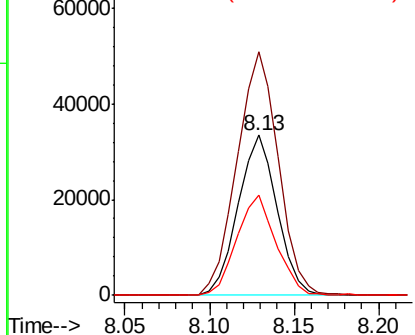


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

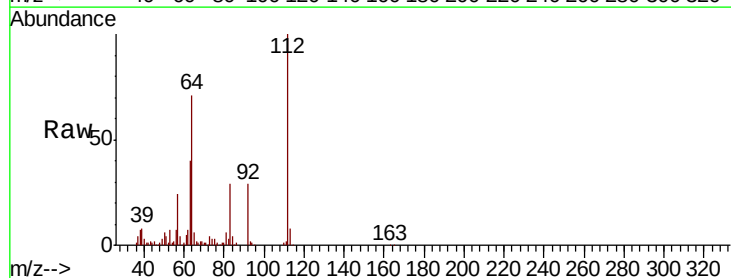
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 44.149 ng
 RT: 5.66 min Scan# 438
 Delta R.T. -0.02 min
 Lab File: BG040928.D
 Acq: 14 May 2019 2:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	61.4	92.0
63	40.4	37.8	56.6

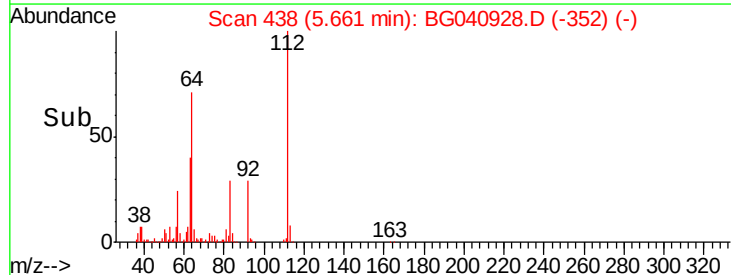
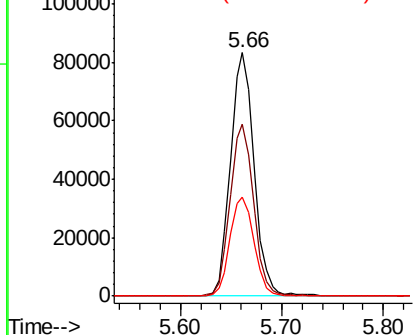


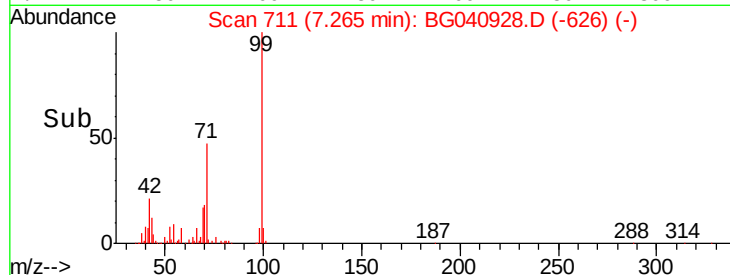
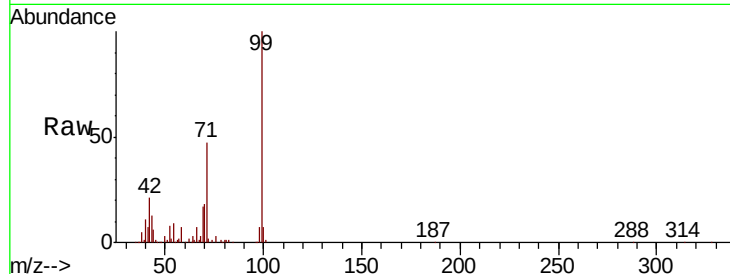
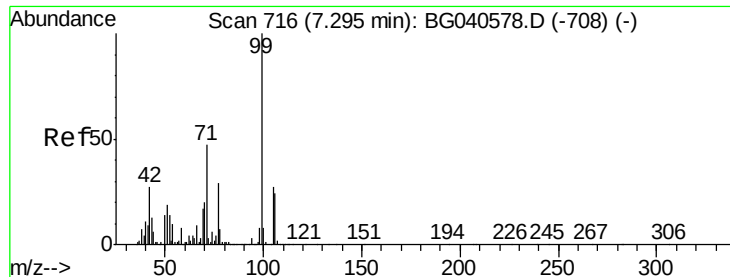
Abundance

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: 27.607 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.03 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

Instrument :

BNA_G

ClientSampleId :

050919-ESLT-F-D-B

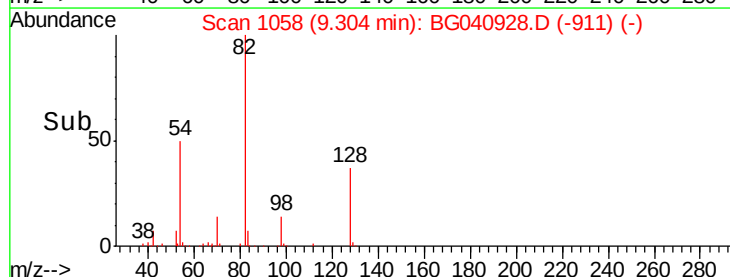
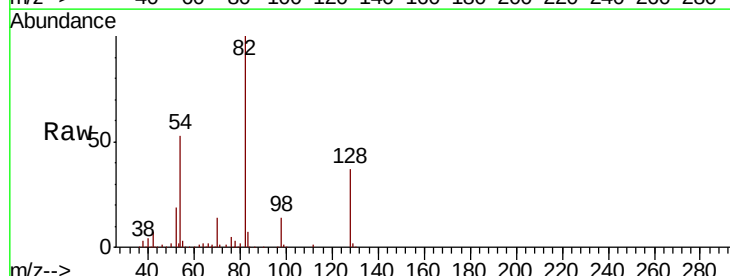
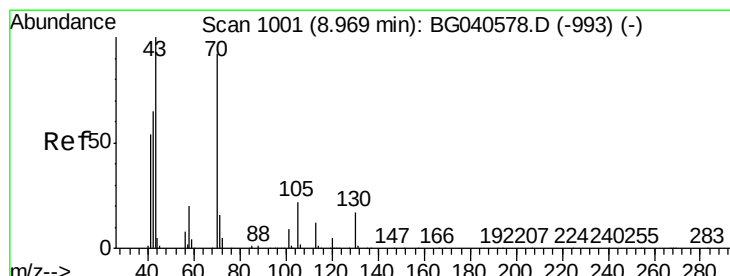
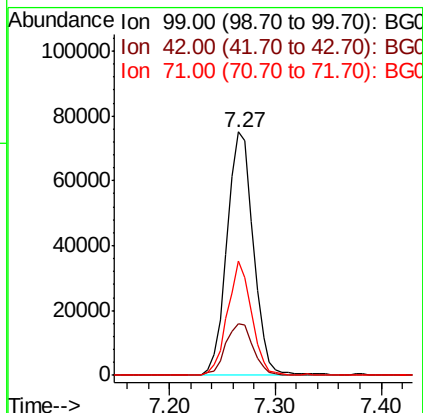
Tgt Ion: 99 Resp: 129561

Ion Ratio Lower Upper

99 100

42 21.3 21.8 32.8#

71 46.7 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.700 ng

RT: 9.30 min Scan# 1058

Delta R.T. 0.33 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

Tgt Ion: 70 Resp: 66326

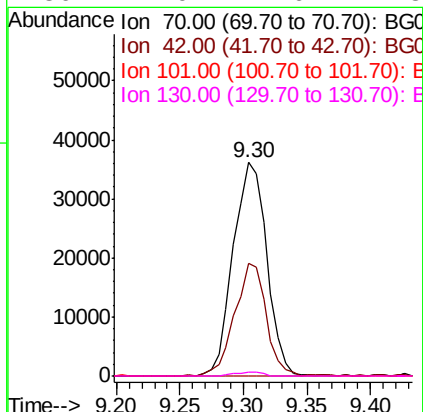
Ion Ratio Lower Upper

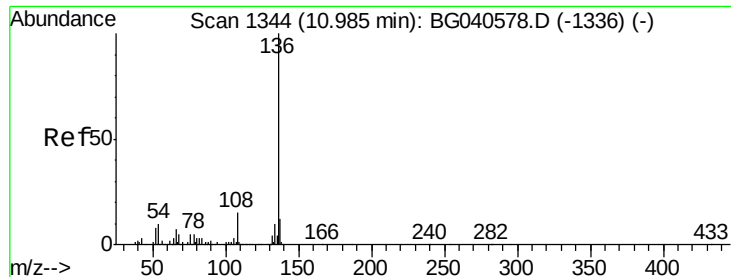
70 100

42 52.5 57.1 85.7#

101 0.0 7.8 11.8#

130 2.0 14.6 21.8#

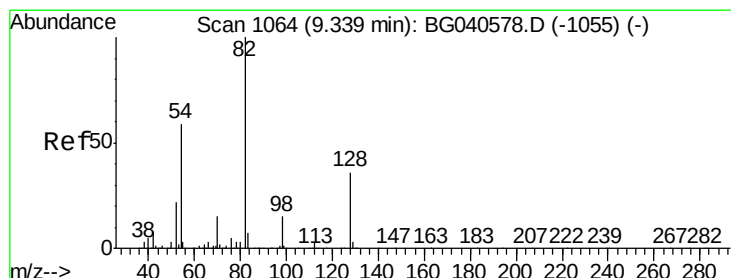
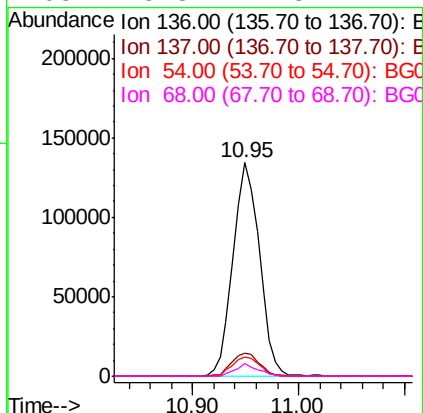
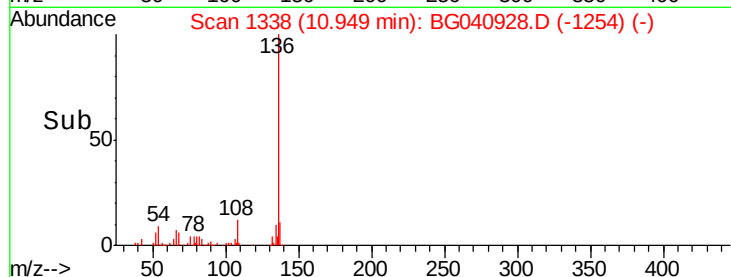
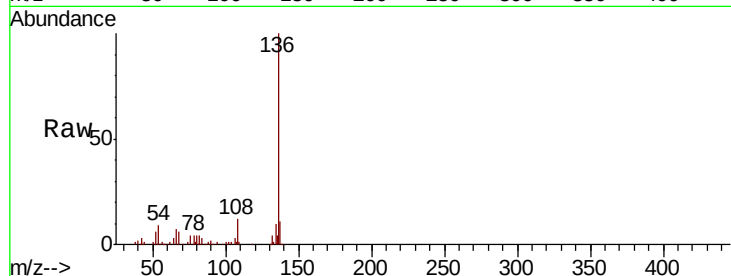




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.04 min
Lab File: BG040928.D
Acq: 14 May 2019 2:22

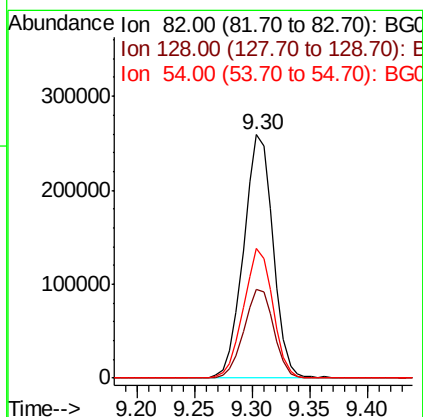
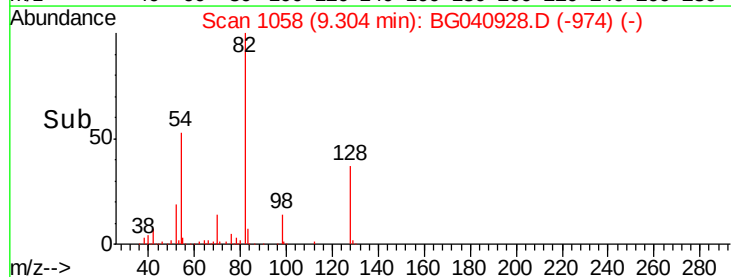
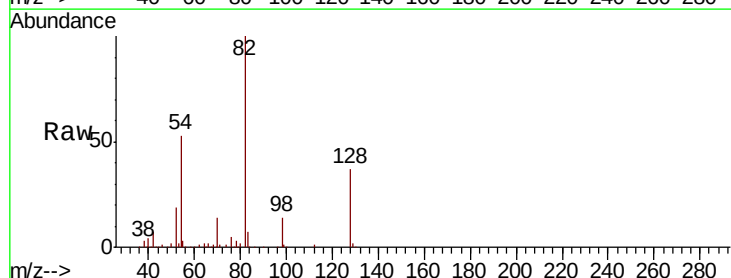
Instrument :
BNA_G
ClientSampleId :
050919-ESLT-F-D-B

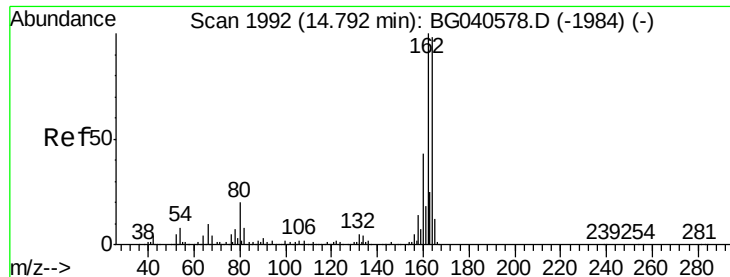
Tgt Ion:	136	Resp:	232768
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.7	14.5
54	8.8	8.6	12.8
68	5.8	4.8	7.2



#23
Nitrobenzene-d5
Concen: 91.361 ng
RT: 9.30 min Scan# 1058
Delta R.T. -0.04 min
Lab File: BG040928.D
Acq: 14 May 2019 2:22

Tgt Ion:	82	Resp:	460237
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.9	43.3
54	53.3	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1986

Delta R.T. -0.04 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

Instrument :

BNA_G

ClientSampleId :

050919-ESLT-F-D-B

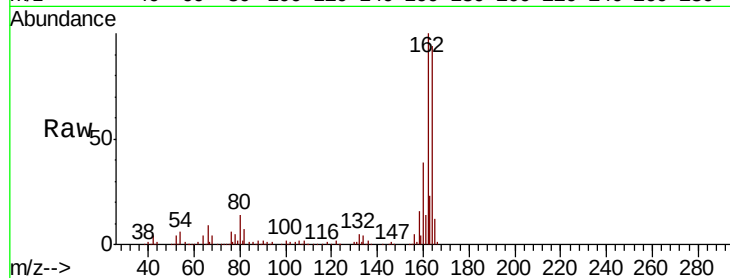
Tgt Ion:164 Resp: 184570

Ion Ratio Lower Upper

164 100

162 106.6 81.9 122.9

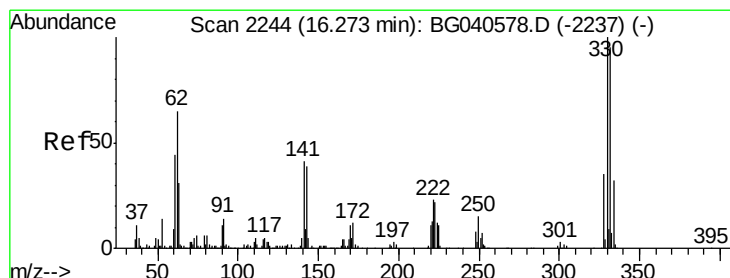
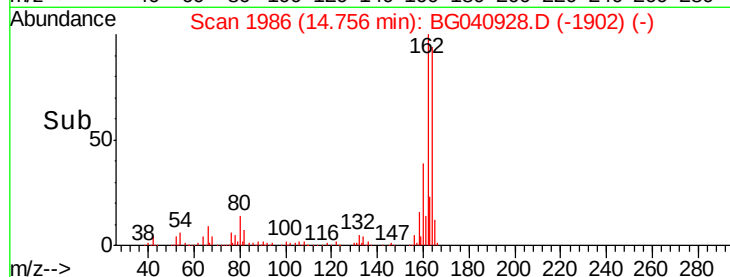
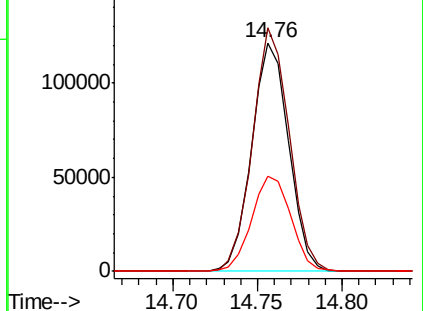
160 41.9 35.4 53.2



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: 97.537 ng

RT: 16.24 min Scan# 2239

Delta R.T. -0.03 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

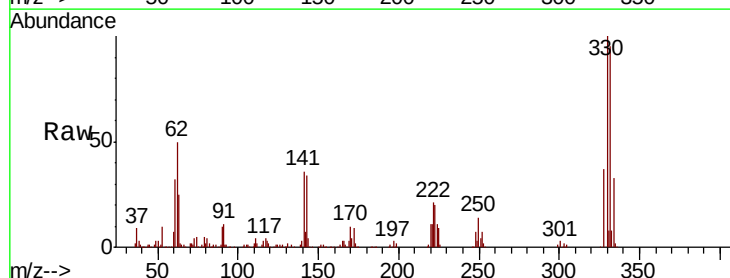
Tgt Ion:330 Resp: 247447

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

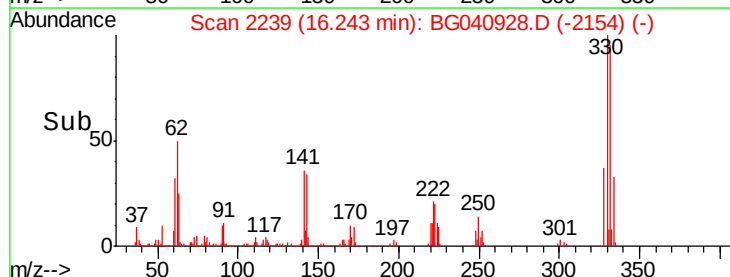
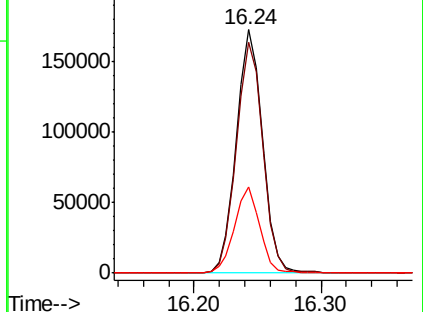
141 34.2 32.4 48.6

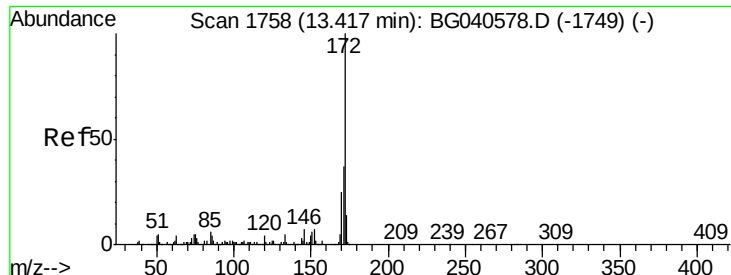


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

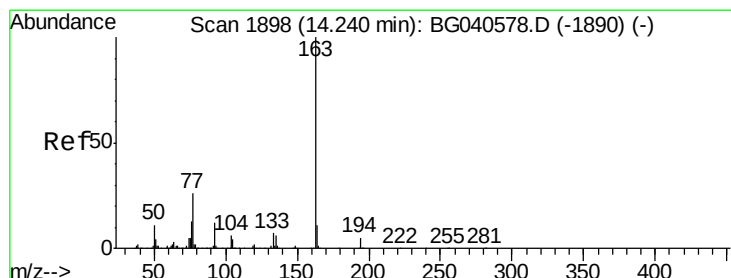
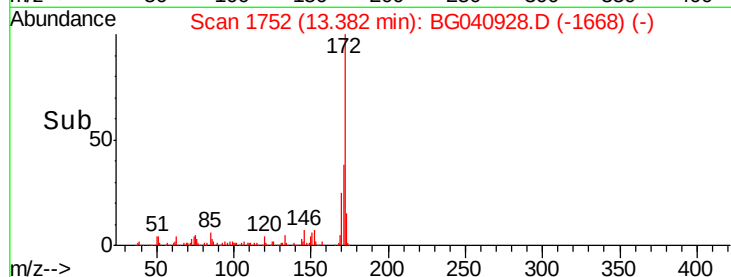
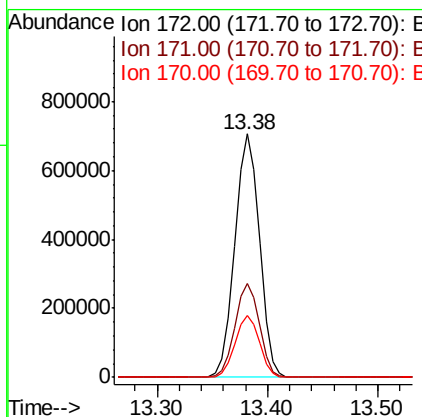
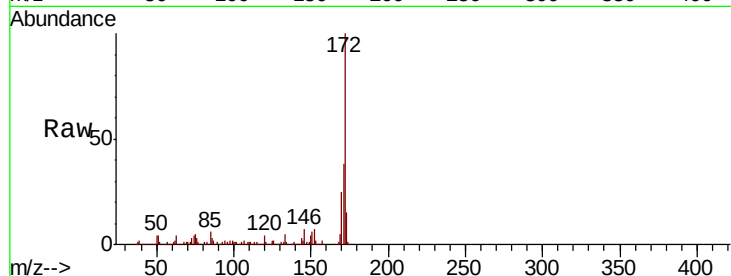




#45
2-Fluorobiphenyl
Concen: 86.644 ng
RT: 13.38 min Scan# 1752
Delta R.T. -0.04 min
Lab File: BG040928.D
Acq: 14 May 2019 2:22

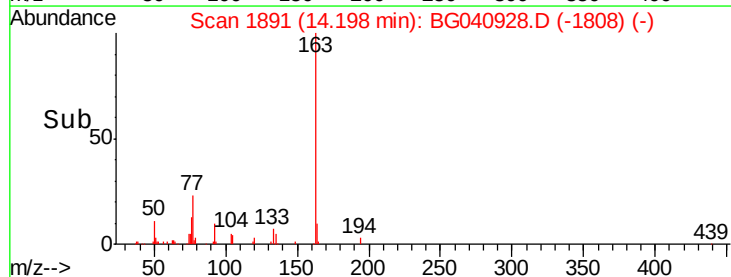
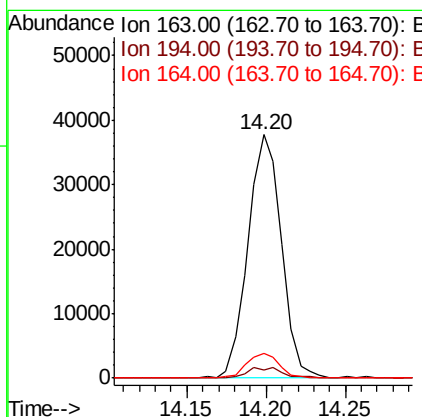
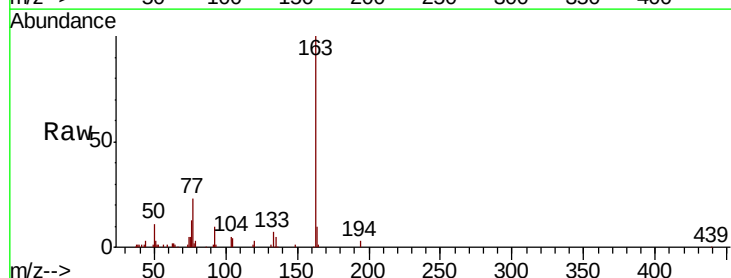
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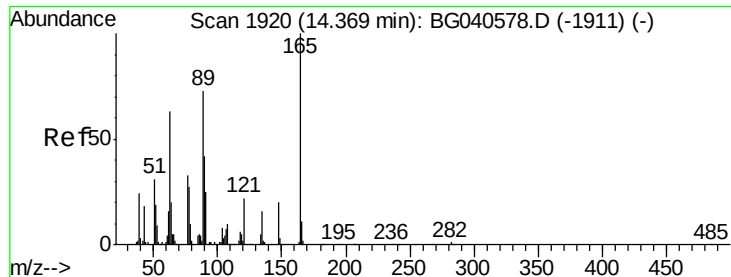
Tgt Ion:172 Resp: 1107324
Ion Ratio Lower Upper
172 100
171 38.4 29.4 44.2
170 25.4 19.9 29.9



#50
Dimethylphthalate
Concen: 3.581 ng
RT: 14.20 min Scan# 1891
Delta R.T. -0.04 min
Lab File: BG040928.D
Acq: 14 May 2019 2:22

Tgt Ion:163 Resp: 55302
Ion Ratio Lower Upper
163 100
194 3.3 3.8 5.8#
164 10.0 8.8 13.2





#51

2,6-Dinitrotoluene

Concen: 7.816 ng

RT: 14.76 min Scan# 1986

Delta R.T. 0.39 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

Instrument :

BNA_G

ClientSampleId :

050919-ESLT-F-D-B

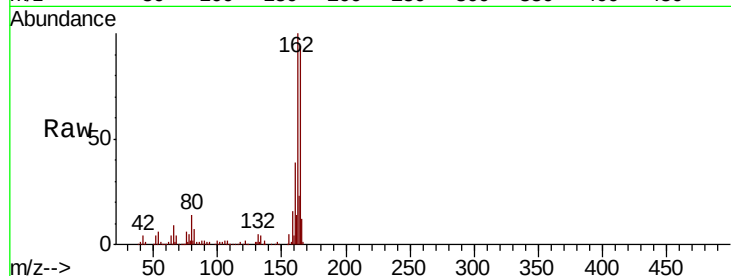
Tgt Ion:165 Resp: 23558

Ion Ratio Lower Upper

165 100

63 0.0 61.0 91.4#

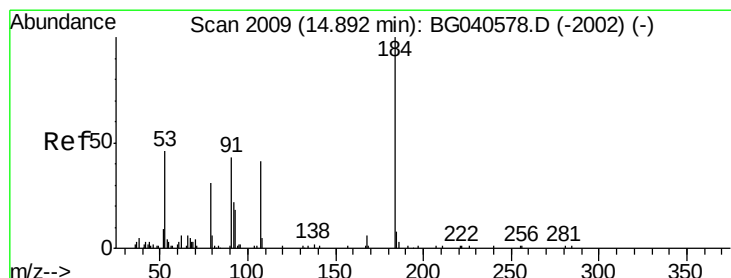
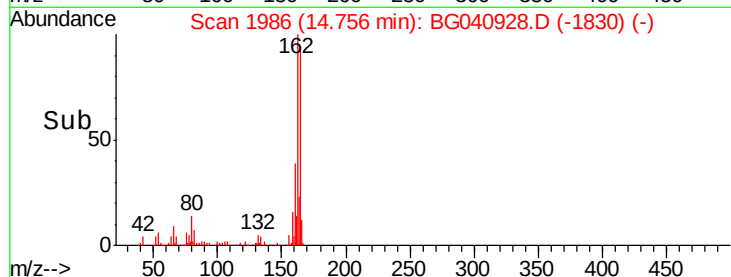
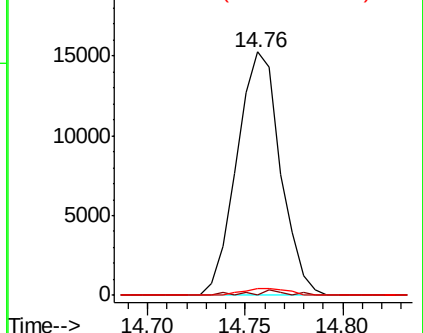
89 3.0 58.6 87.8#



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



#54

2,4-Dinitrophenol

Concen: 7.077 ng

RT: 14.47 min Scan# 1938

Delta R.T. -0.42 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

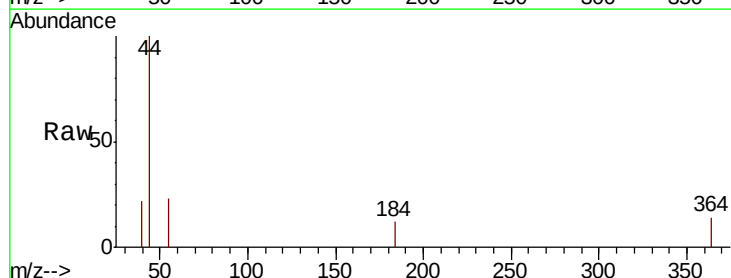
Tgt Ion:184 Resp: 117

Ion Ratio Lower Upper

184 100

63 0.0 51.8 77.6#

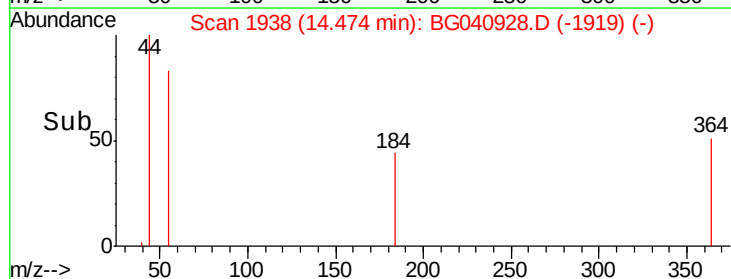
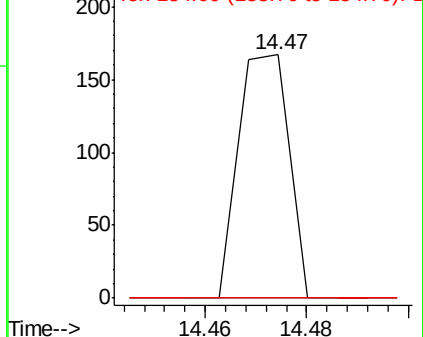
154 0.0 43.6 65.4#

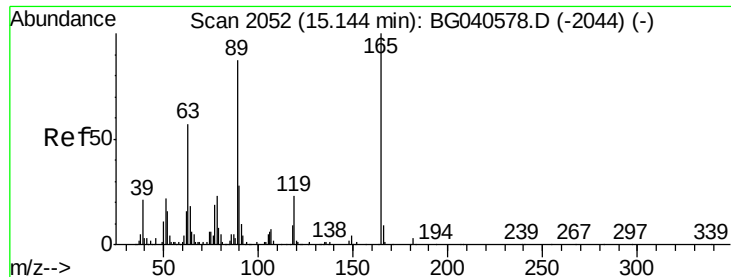


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

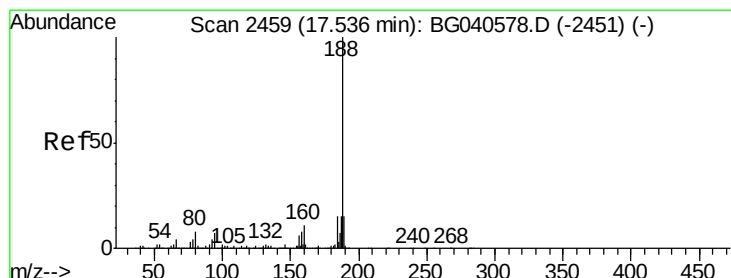
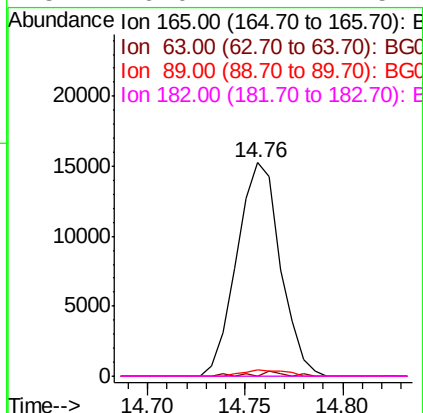
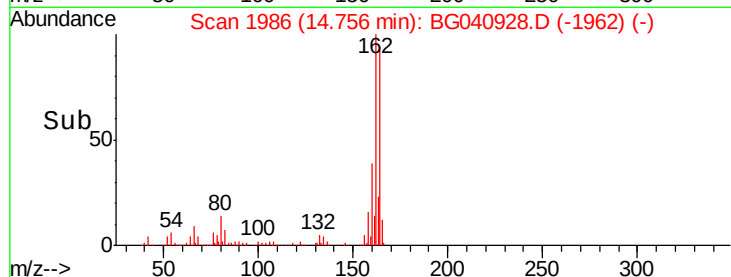
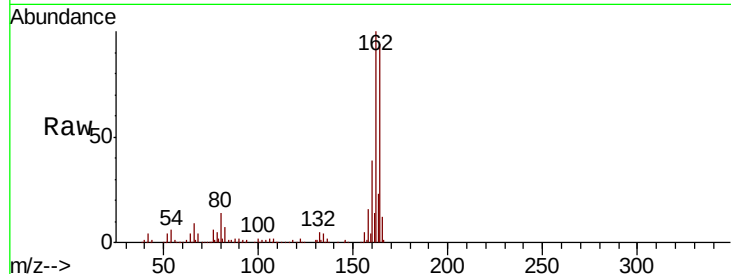




#57
 2,4-Dinitrotoluene
 Concen: 5.752 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.39 min
 Lab File: BG040928.D
 Acq: 14 May 2019 2:22

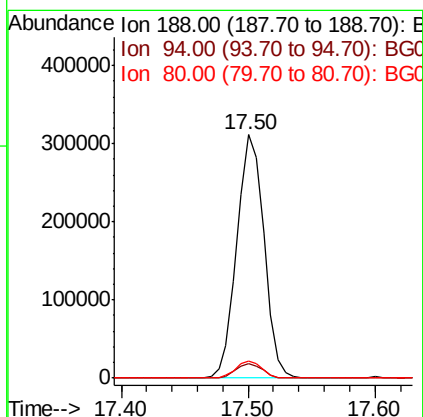
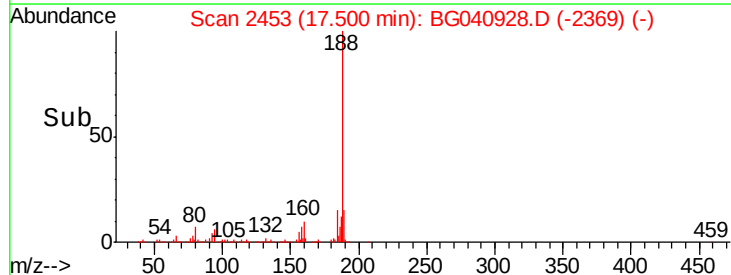
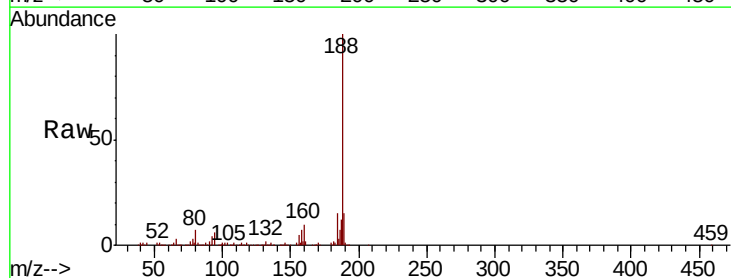
Instrument :
 BNA_G
 ClientSampleId :
 050919-ESLT-F-D-B

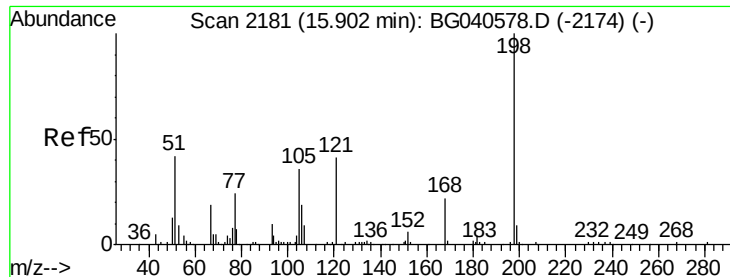
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.8	68.8#
89	3.0	69.4	104.2#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2453
 Delta R.T. -0.04 min
 Lab File: BG040928.D
 Acq: 14 May 2019 2:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.6	8.4
80	6.8	6.4	9.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.121 ng

RT: 15.81 min Scan# 2165

Delta R.T. -0.09 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

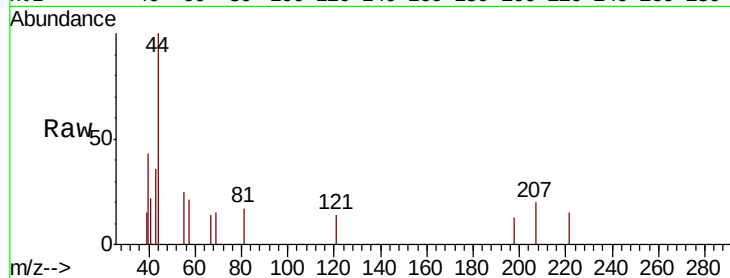
Instrument :

BNA_G

ClientSampleId :

050919-ESLT-F-D-B

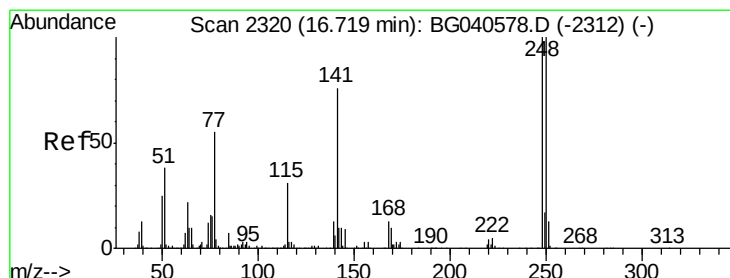
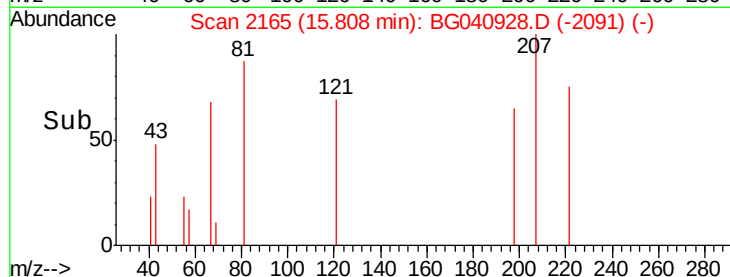
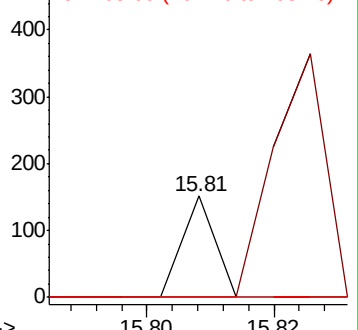
Tgt Ion:	198	Resp:	53
Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#



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: 3.193 ng

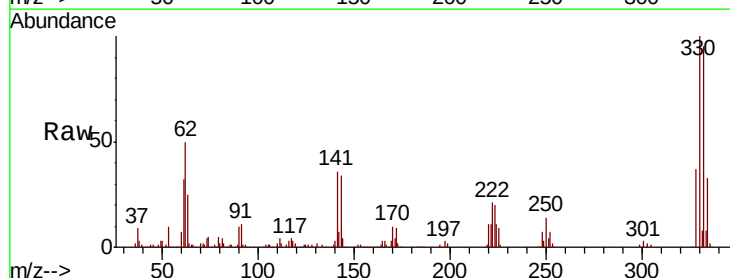
RT: 16.24 min Scan# 2239

Delta R.T. -0.48 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

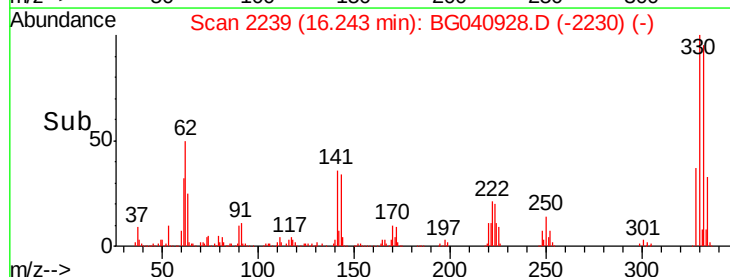
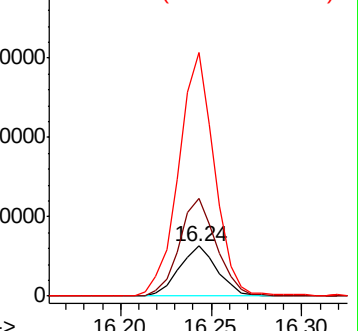
Tgt Ion:	248	Resp:	18353
Ion	Ratio	Lower	Upper
248	100		
250	143.3	79.8	119.6#
141	356.4	60.8	91.2#

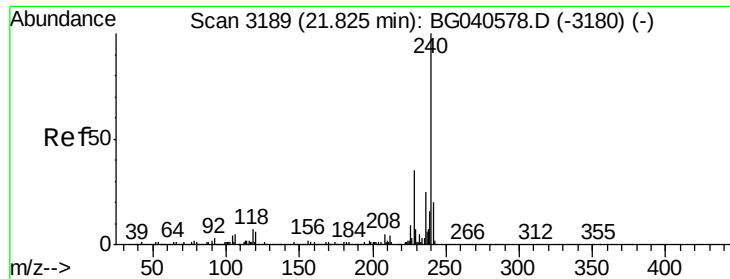


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

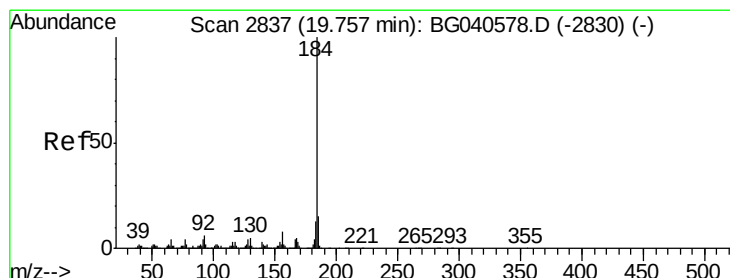
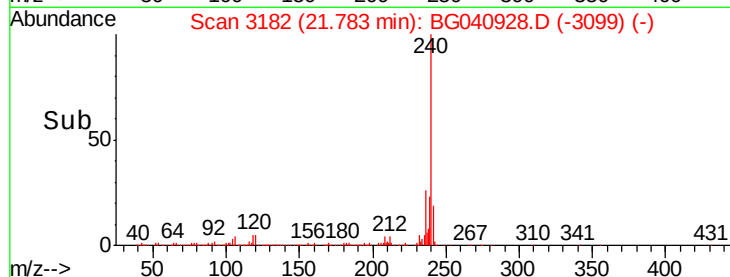
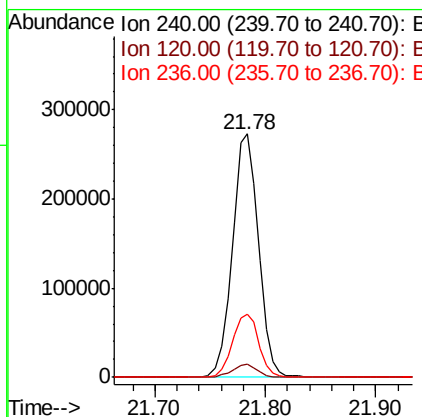
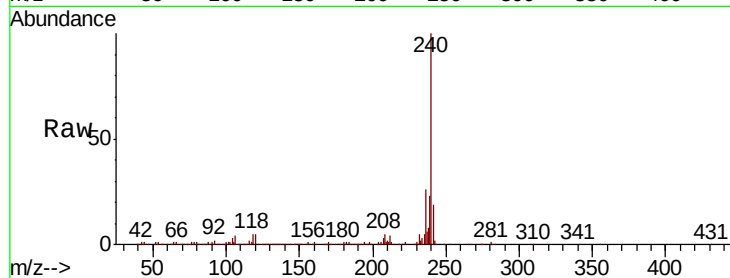




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.78 min Scan# 3182
 Delta R.T. -0.04 min
 Lab File: BG040928.D
 Acq: 14 May 2019 2:22

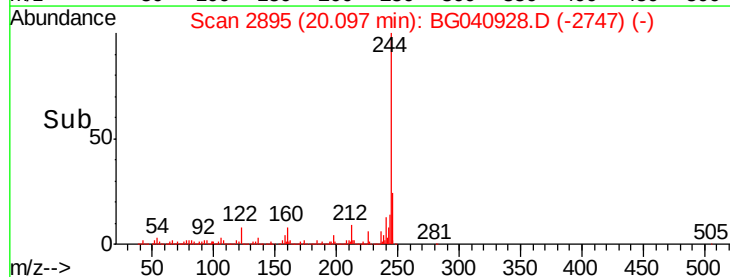
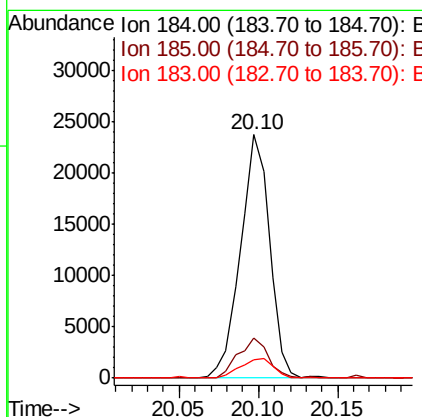
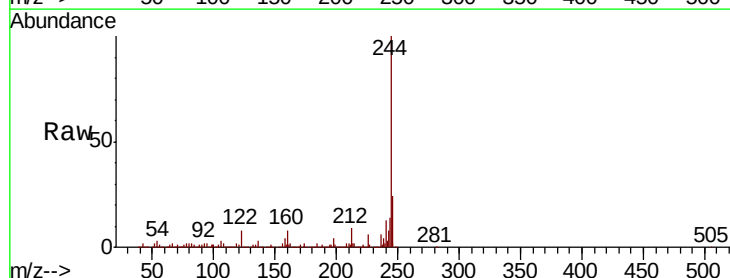
Instrument :
 BNA_G
 ClientSampleId :
 050919-ESLT-F-D-B

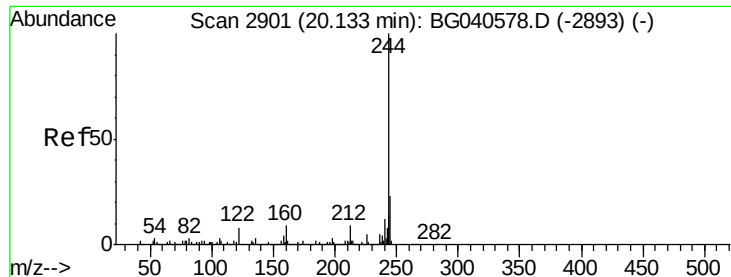
Tgt Ion:240 Resp: 452163
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.0 7.6
 236 25.7 20.3 30.5



#77
 Benzidine
 Concen: 2.439 ng
 RT: 20.10 min Scan# 2895
 Delta R.T. 0.34 min
 Lab File: BG040928.D
 Acq: 14 May 2019 2:22

Tgt Ion:184 Resp: 30191
 Ion Ratio Lower Upper
 184 100
 185 16.6 11.8 17.8
 183 7.3 10.2 15.2#





#79

Terphenyl-d14

Concen: 87.300 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.04 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

Instrument :

BNA_G

ClientSampleId :

050919-ESLT-F-D-B

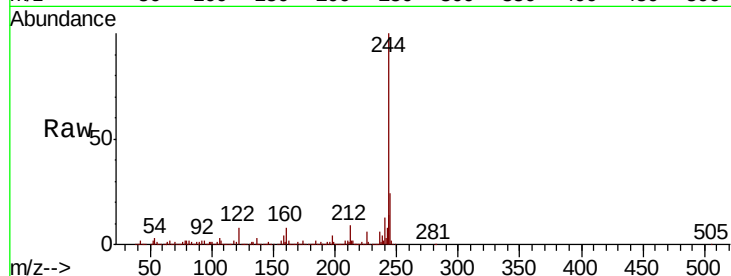
Tgt Ion:244 Resp: 1781771

Ion Ratio Lower Upper

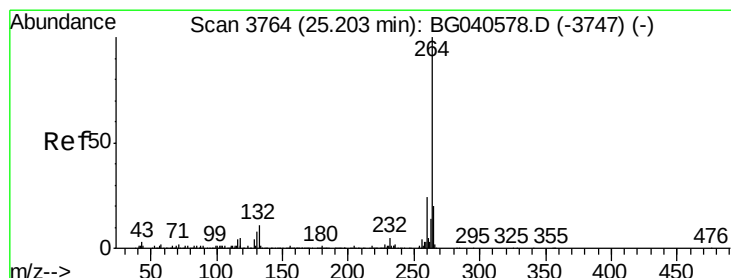
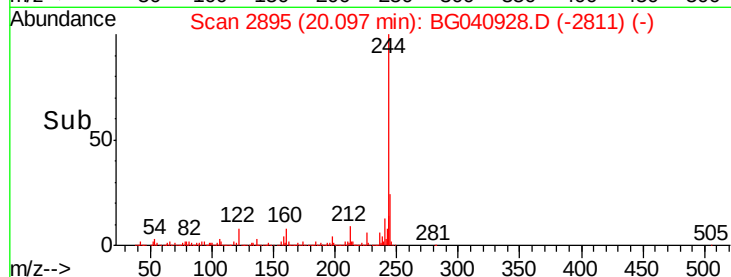
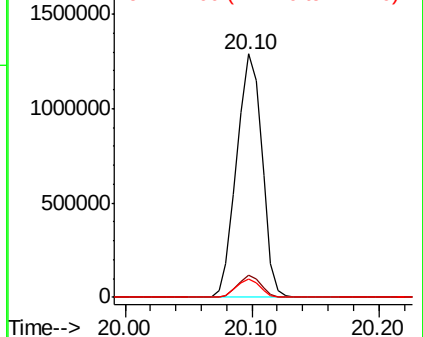
244 100

212 9.0 7.2 10.8

122 7.7 6.6 10.0



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: 25.13 min Scan# 3751

Delta R.T. -0.08 min

Lab File: BG040928.D

Acq: 14 May 2019 2:22

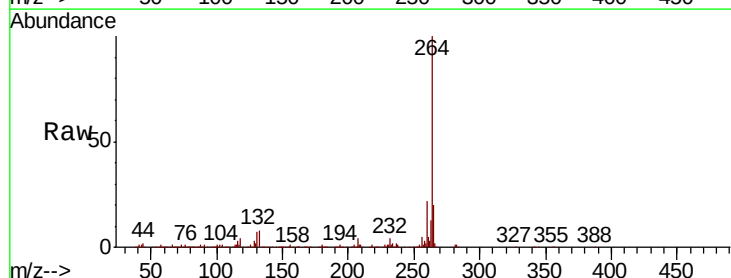
Tgt Ion:264 Resp: 485847

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 19.9 16.6 25.0



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

