

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040881.D
 Acq On : 11 May 2019 19:51
 Operator : HP/JU
 Sample : K2766-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS008-1218-01

Quant Time: May 12 04:59:52 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

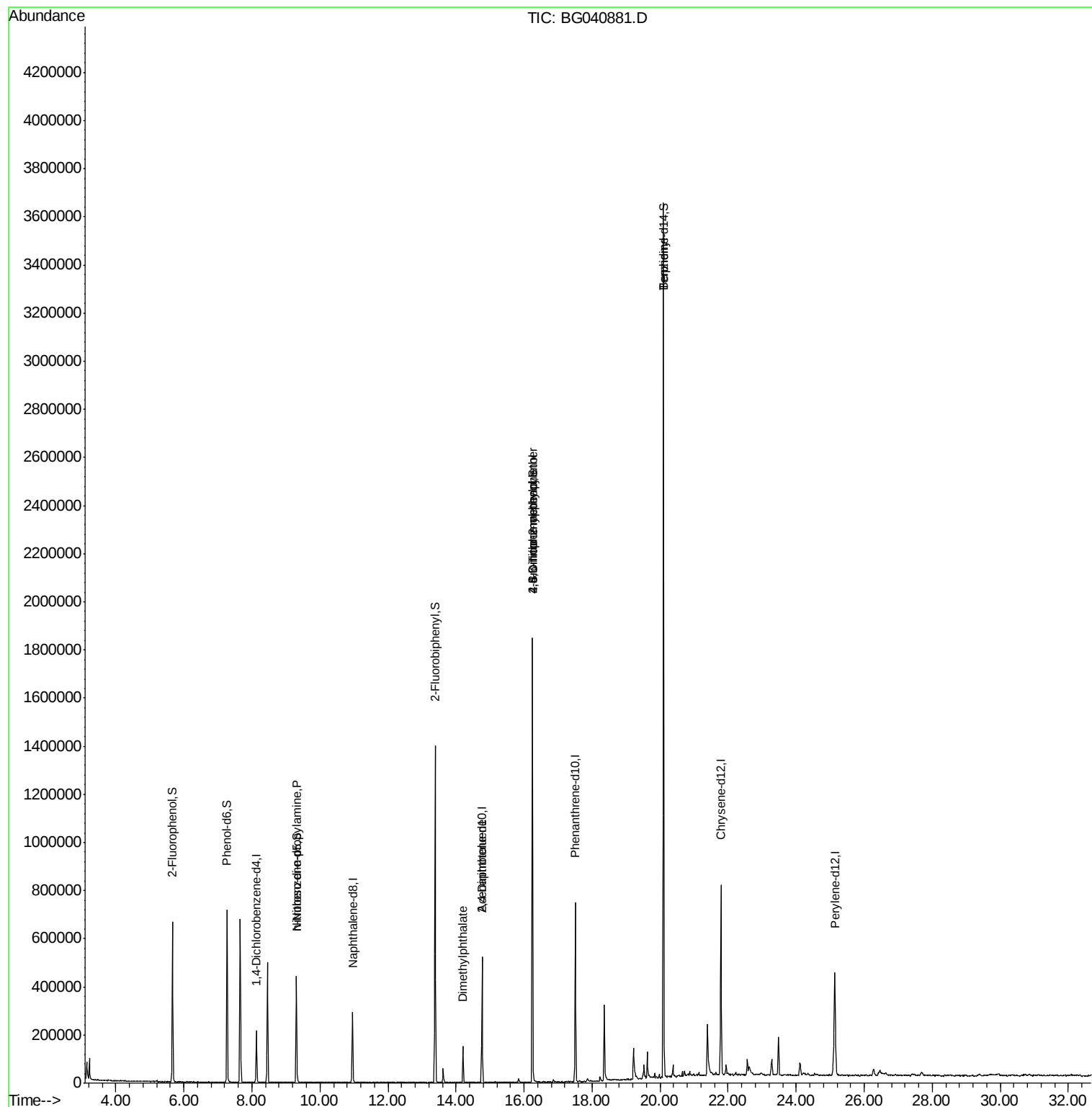
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	54832	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	230551	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	171844	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	464536	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	472676	20.00	ng	-0.04
87) Perylene-d12	25.13	264	501785	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	243999	78.44	ng	-0.02
7) Phenol-d6	7.27	99	367783	76.79	ng	-0.03
23) Nitrobenzene-d5	9.31	82	265372	53.18	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	336987	142.67	ng	-0.02
45) 2-Fluorobiphenyl	13.38	172	698503	58.70	ng	-0.03
79) Terphenyl-d14	20.10	244	1736259	81.38	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.28	77	892	Below Cal	Qvalue #	6
19) n-Nitroso-di-n-propylamine	9.31	70	38621	8.958 ng	#	74
50) Dimethylphthalate	14.21	163	97602	6.788 ng	#	98
57) 2,4-Dinitrotoluene	14.76	165	23702	6.216 ng	#	15
65) 4,6-Dinitro-2-methylphenol	16.24	198	1256	7.569 ng	#	1
67) 4-Bromophenyl-phenylether	16.24	248	24472	4.228 ng	#	1
77) Benizidine	20.10	184	32074	2.478 ng		96

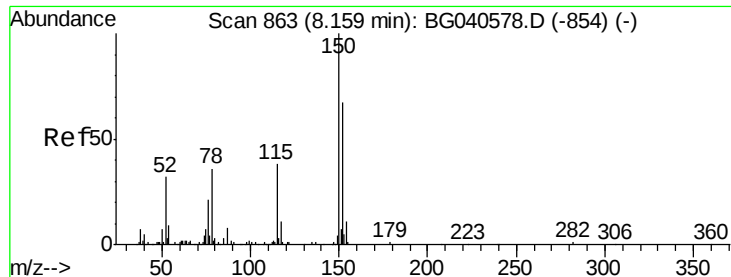
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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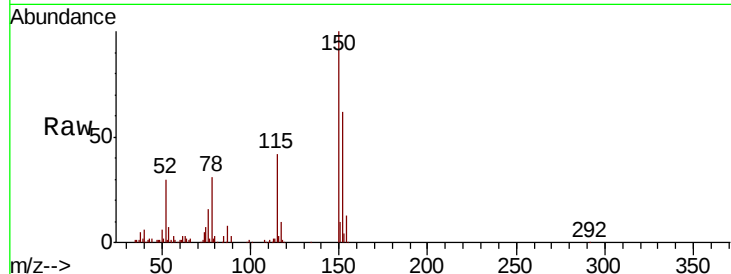


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040881.D
Acq: 11 May 2019 19:51

Instrument :
BNA_G
ClientSampleId :
P026-SS008-1218-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.3	120.2	180.2
115	68.4	46.2	69.2

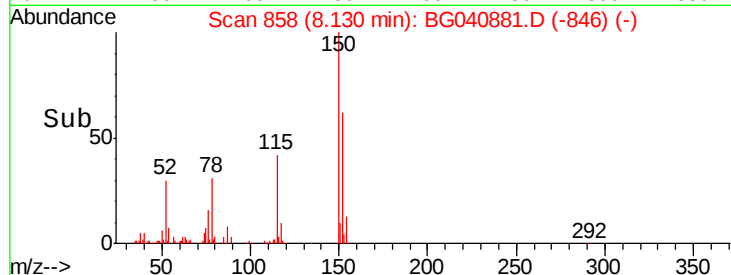
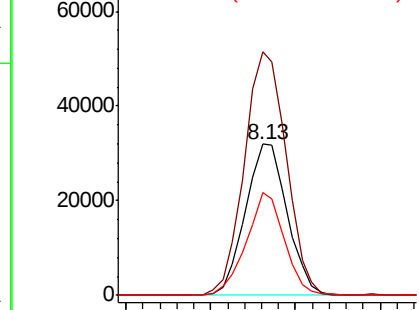


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

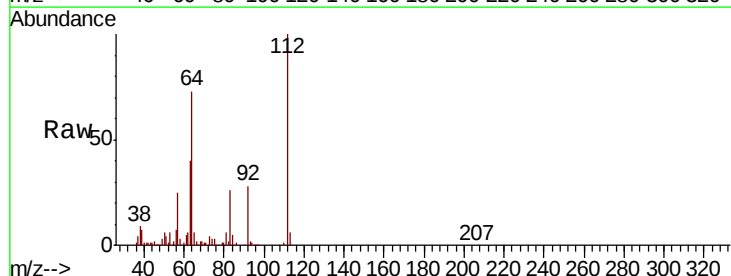
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.442 ng
RT: 5.66 min Scan# 438
Delta R.T. -0.02 min
Lab File: BG040881.D
Acq: 11 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.6	61.4	92.0
63	40.3	37.8	56.6

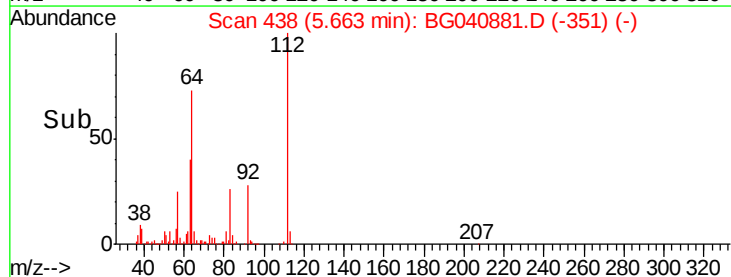
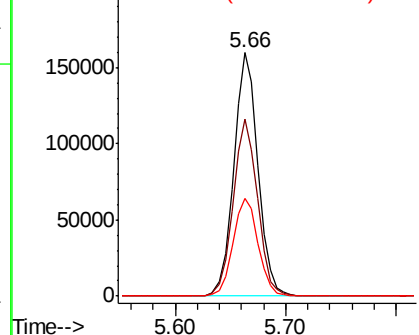


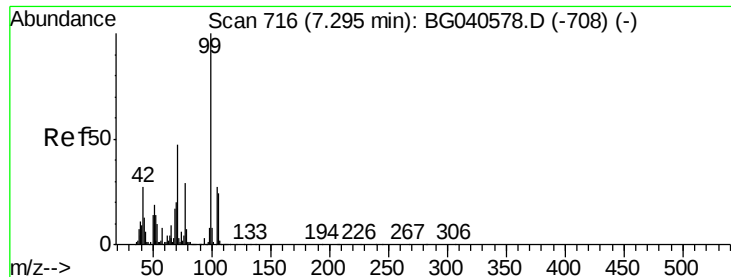
Abundance

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: 76.791 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.03 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

Instrument :

BNA_G

ClientSampleId :

P026-SS008-1218-01

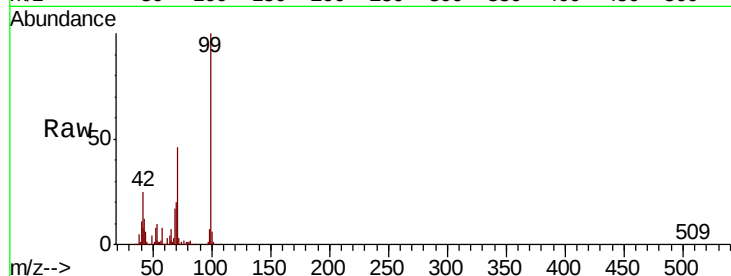
Tgt Ion: 99 Resp: 367783

Ion Ratio Lower Upper

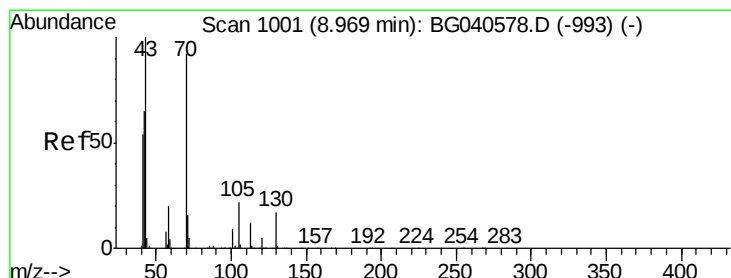
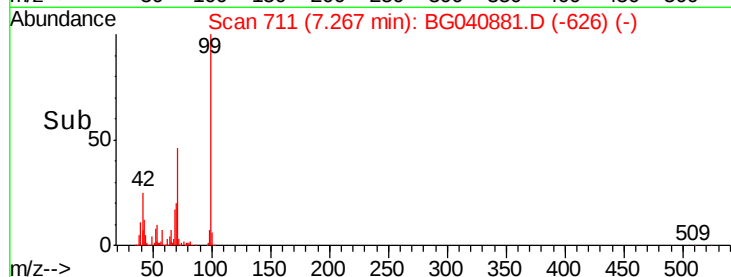
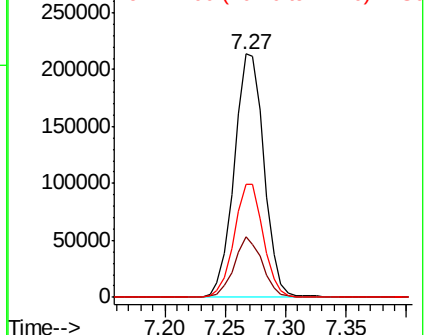
99 100

42 24.9 21.8 32.8

71 46.5 38.6 57.8



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: 8.958 ng

RT: 9.31 min Scan# 1058

Delta R.T. 0.34 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

Tgt Ion: 70 Resp: 38621

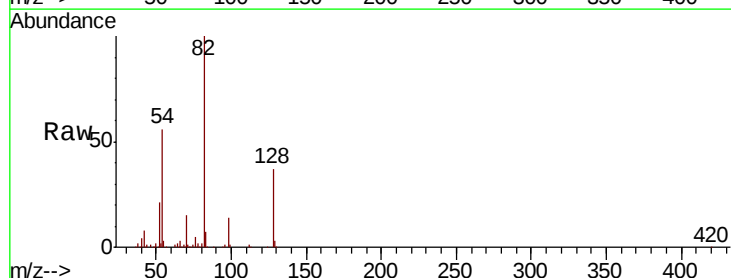
Ion Ratio Lower Upper

70 100

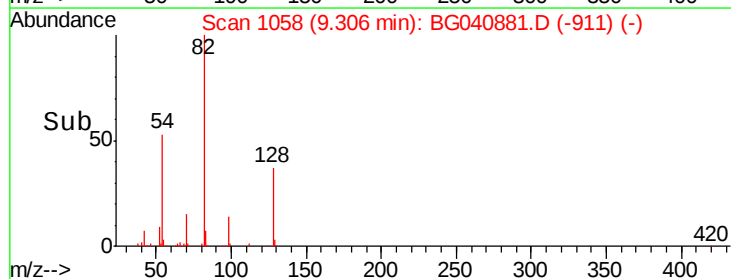
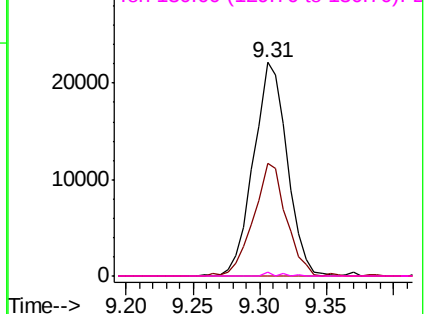
42 52.8 57.1 85.7#

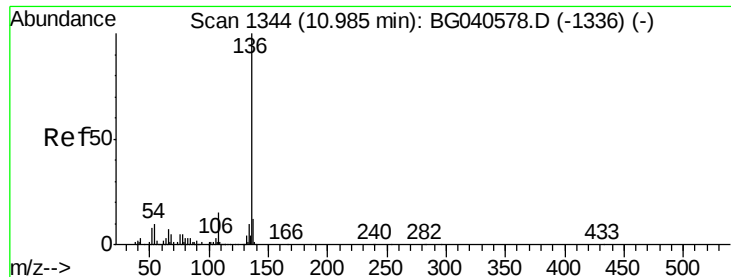
101 0.0 7.8 11.8#

130 1.6 14.6 21.8#



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

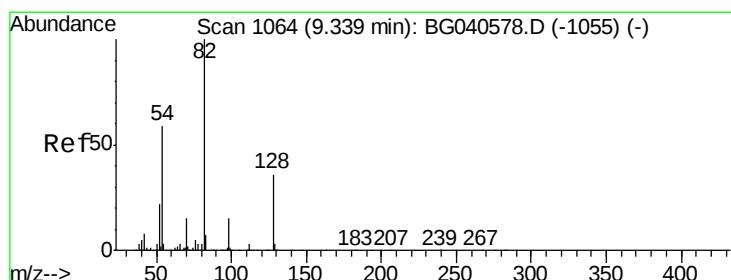
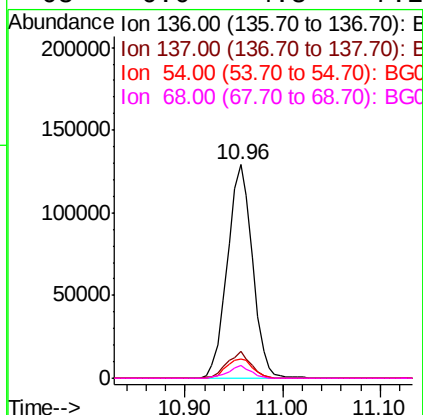
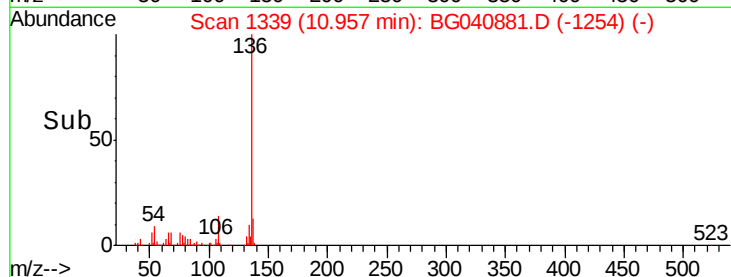
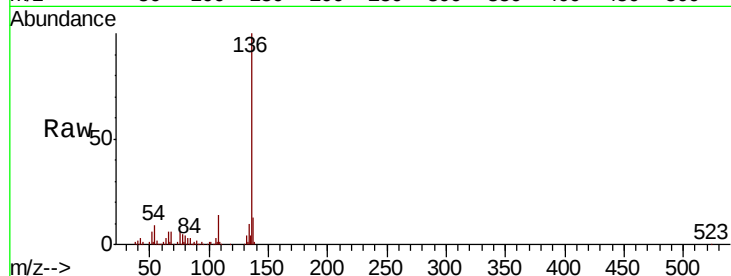




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040881.D
Acq: 11 May 2019 19:51

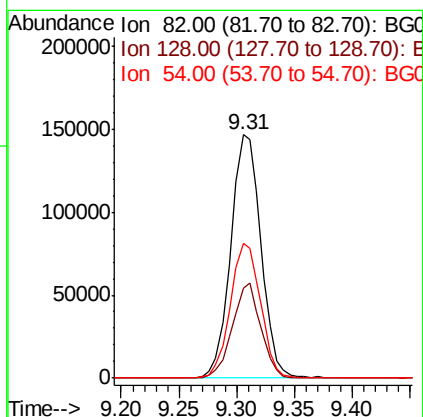
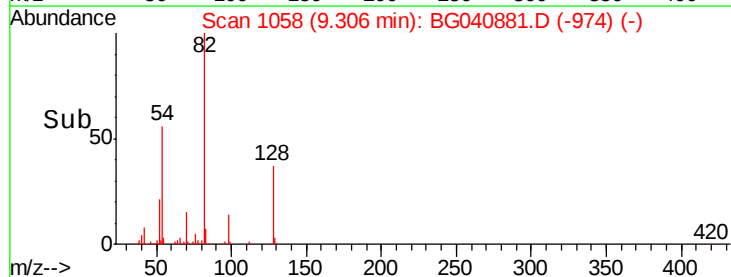
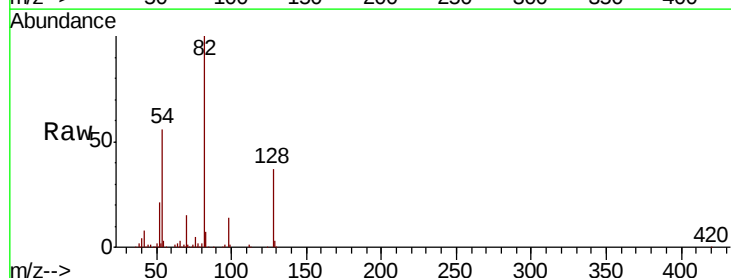
Instrument :
BNA_G
ClientSampleId :
P026-SS008-1218-01

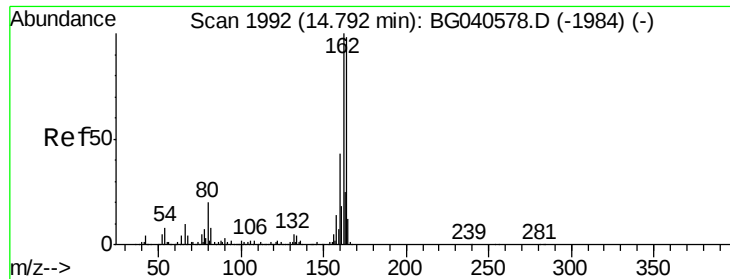
Tgt Ion:	136	Resp:	230551
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	9.0	8.6	12.8
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 53.185 ng
RT: 9.31 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BG040881.D
Acq: 11 May 2019 19:51

Tgt Ion:	82	Resp:	265372
Ion	Ratio	Lower	Upper
82	100		
128	37.1	28.9	43.3
54	55.6	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

Instrument :

BNA_G

ClientSampleId :

P026-SS008-1218-01

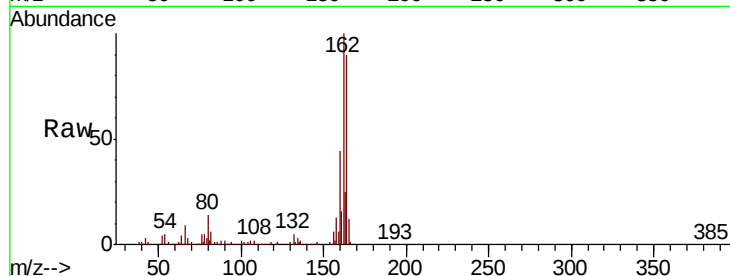
Tgt Ion:164 Resp: 171844

Ion Ratio Lower Upper

164 100

162 110.9 81.9 122.9

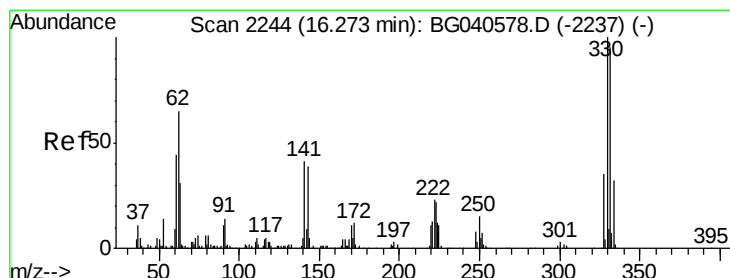
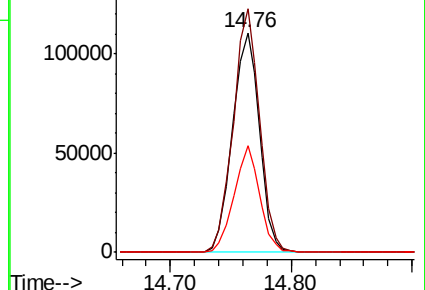
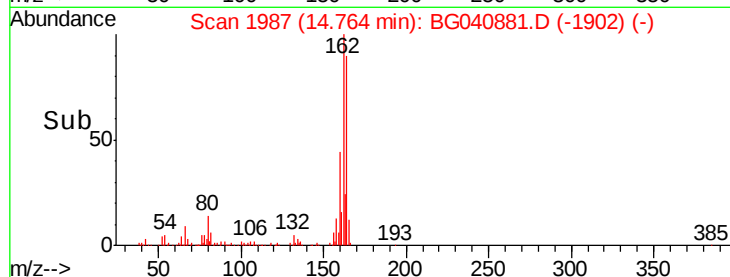
160 48.6 35.4 53.2



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: 142.668 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

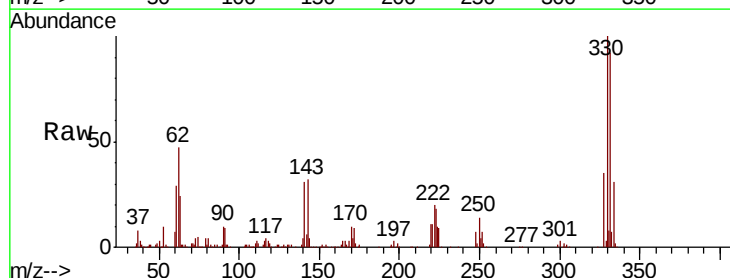
Tgt Ion:330 Resp: 336987

Ion Ratio Lower Upper

330 100

332 95.2 75.9 113.9

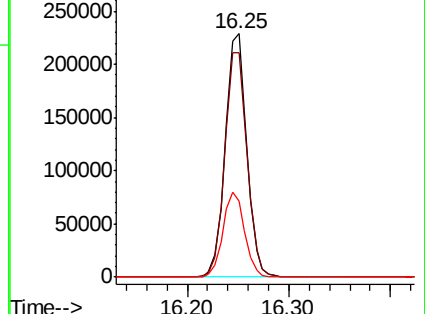
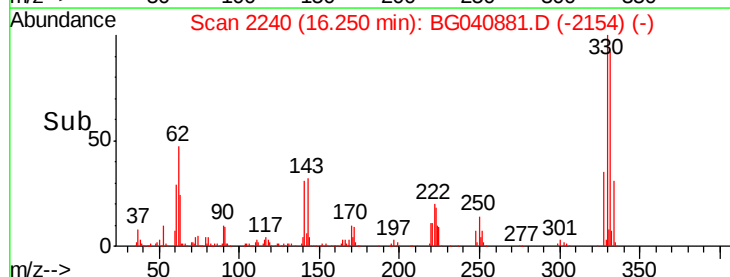
141 35.1 32.4 48.6

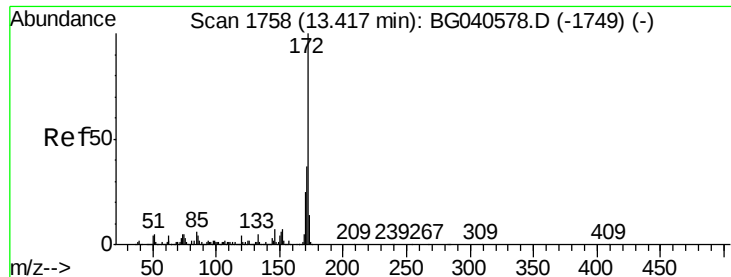


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 58.703 ng

RT: 13.38 min Scan# 1752

Delta R.T. -0.03 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

Instrument :

BNA_G

ClientSampleId :

P026-SS008-1218-01

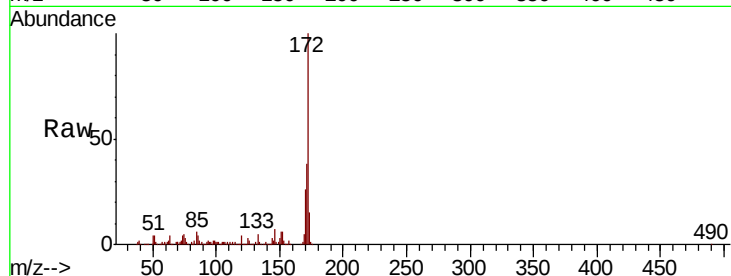
Tgt Ion:172 Resp: 698503

Ion Ratio Lower Upper

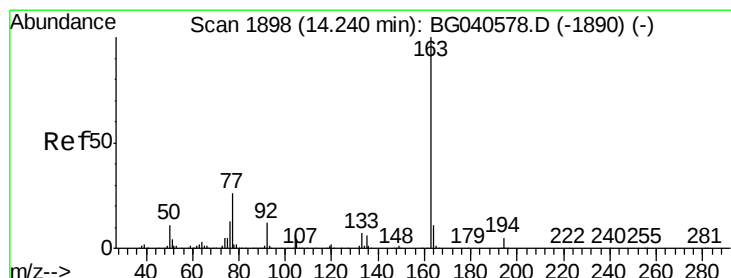
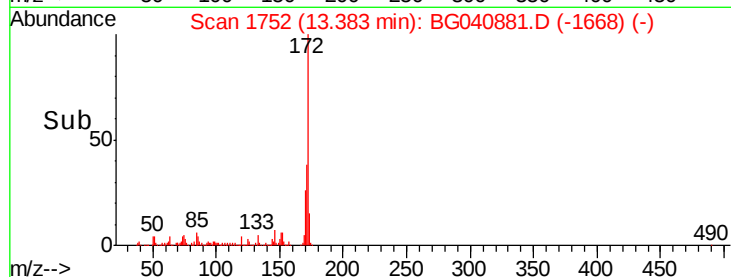
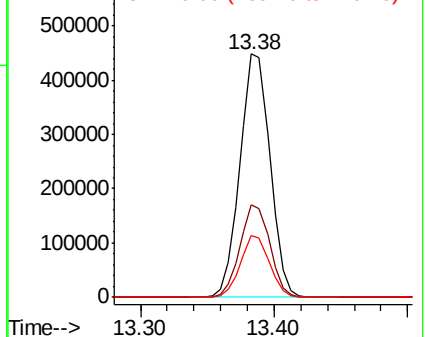
172 100

171 37.8 29.4 44.2

170 25.5 19.9 29.9



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: 6.788 ng

RT: 14.21 min Scan# 1892

Delta R.T. -0.03 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

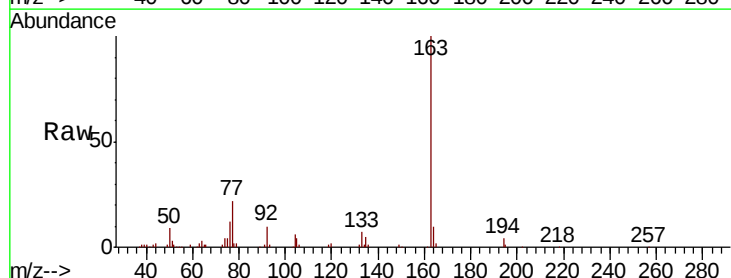
Tgt Ion:163 Resp: 97602

Ion Ratio Lower Upper

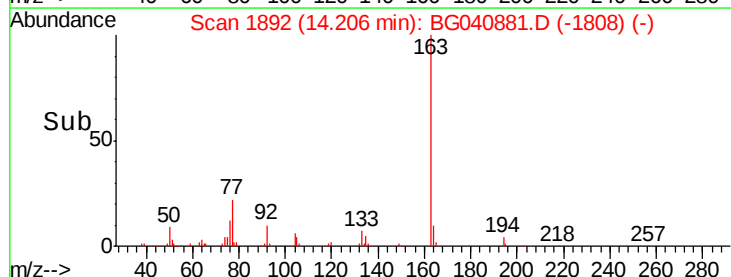
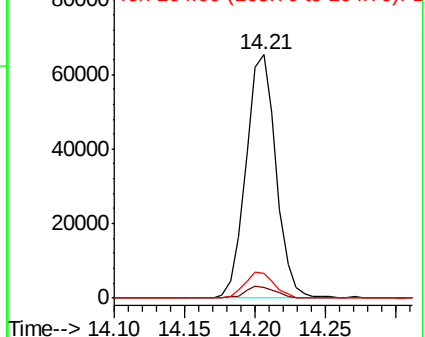
163 100

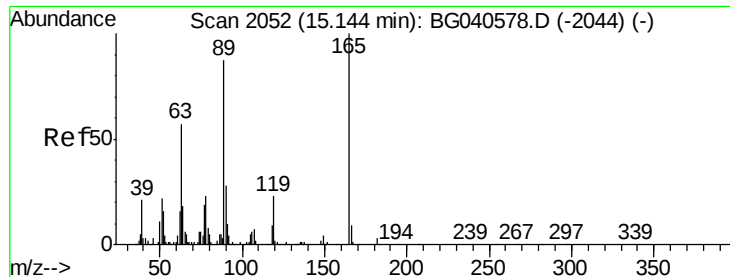
194 4.4 3.8 5.8

164 10.3 8.8 13.2



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

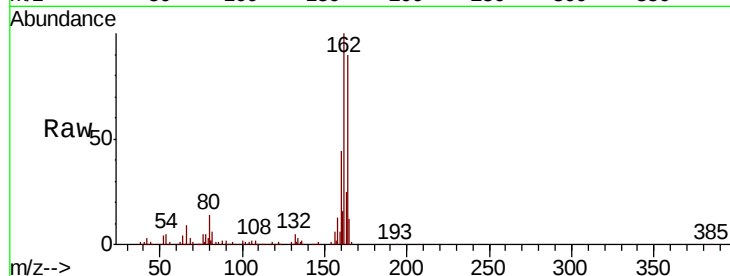




#57
 2,4-Dinitrotoluene
 Concen: 6.216 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.38 min
 Lab File: BG040881.D
 Acq: 11 May 2019 19:51

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS008-1218-01

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

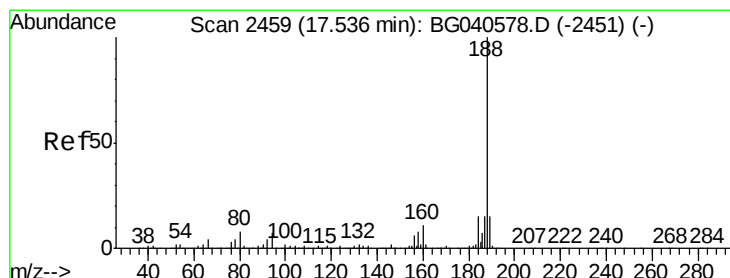
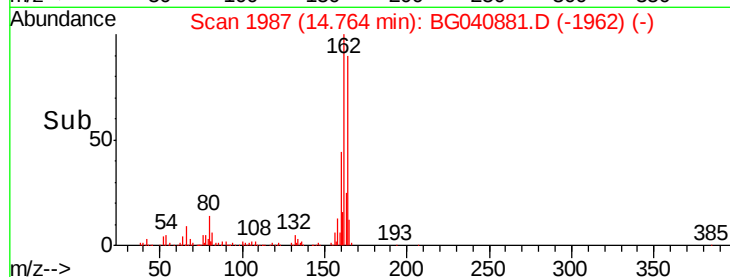
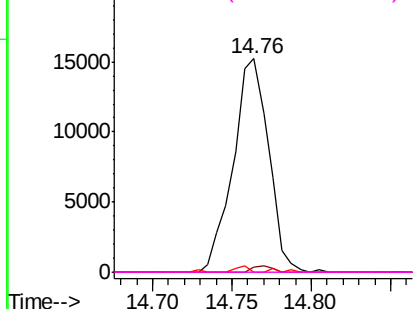


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

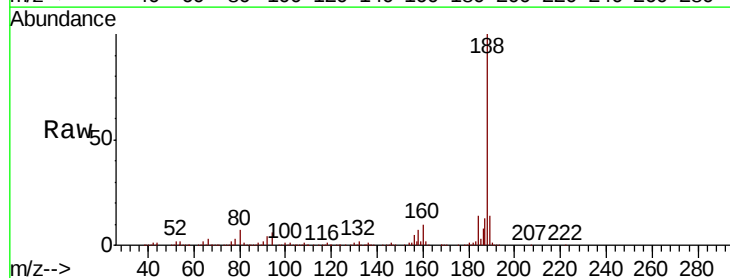
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BG040881.D
 Acq: 11 May 2019 19:51

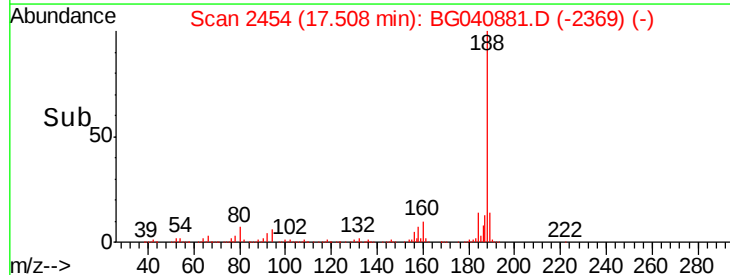
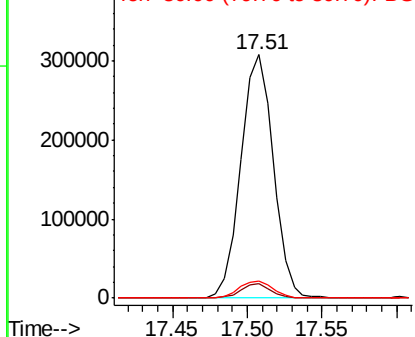
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.6	8.4
80	7.1	6.4	9.6

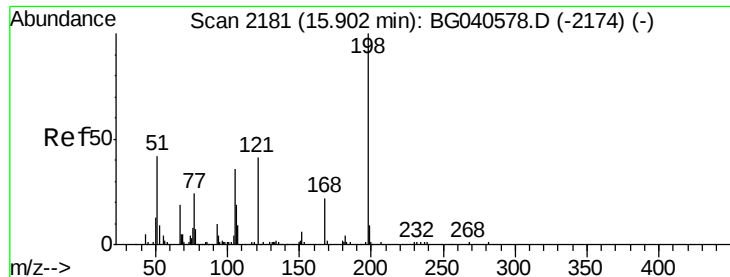


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.569 ng

RT: 16.24 min Scan# 2239

Delta R.T. 0.34 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

Instrument :

BNA_G

ClientSampleId :

P026-SS008-1218-01

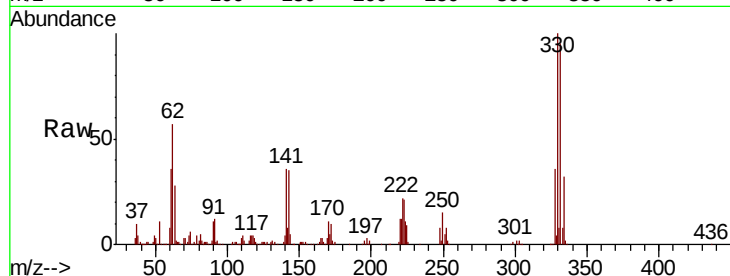
Tgt Ion:198 Resp: 1256

Ion Ratio Lower Upper

198 100

51 108.6 35.9 75.9#

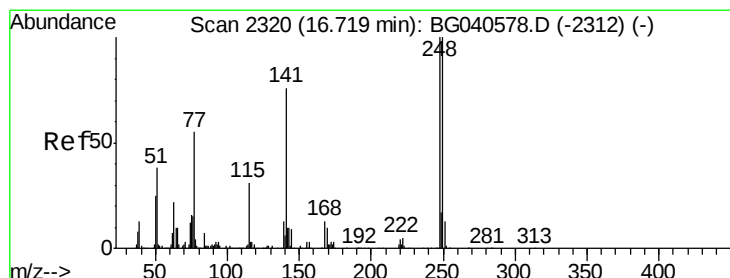
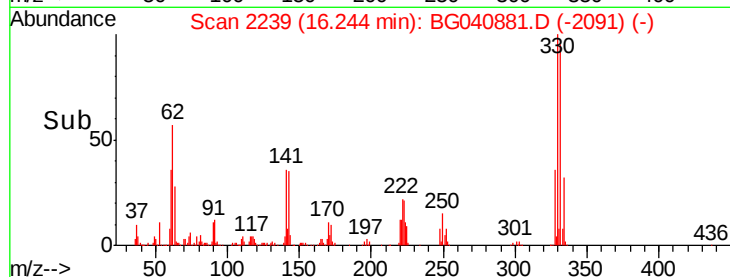
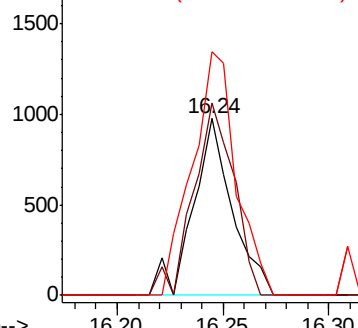
105 137.8 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG040881.D (-2230) (-)

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.228 ng

RT: 16.24 min Scan# 2239

Delta R.T. -0.47 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

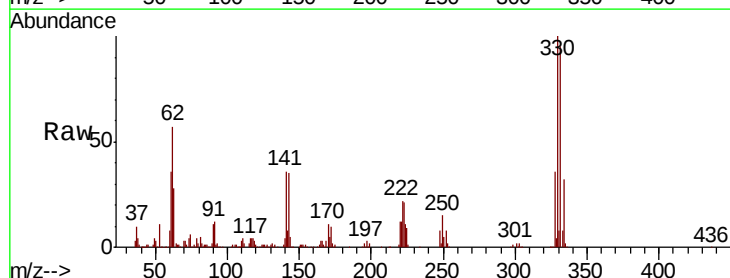
Tgt Ion:248 Resp: 24472

Ion Ratio Lower Upper

248 100

250 187.8 79.8 119.6#

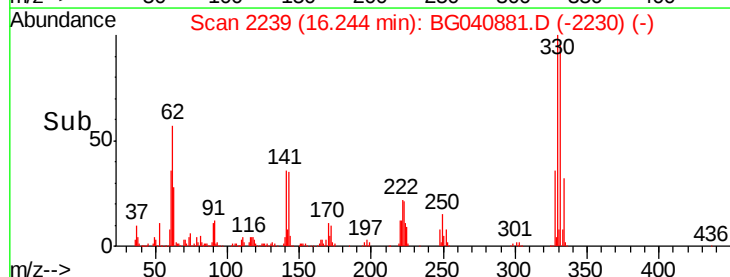
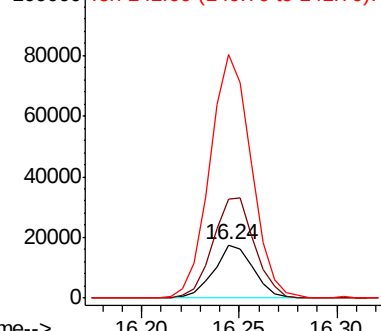
141 460.1 60.8 91.2#

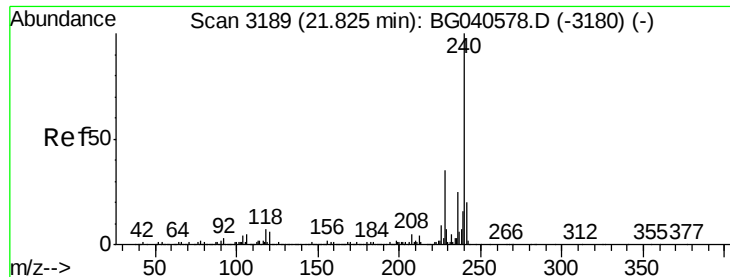


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

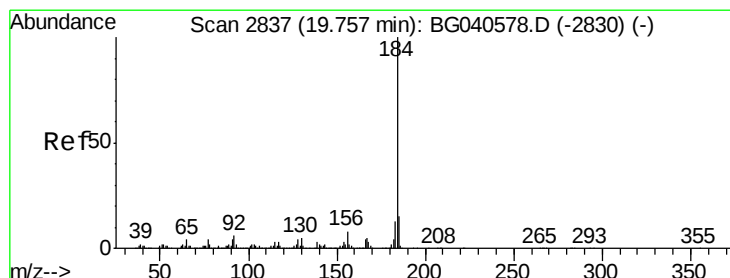
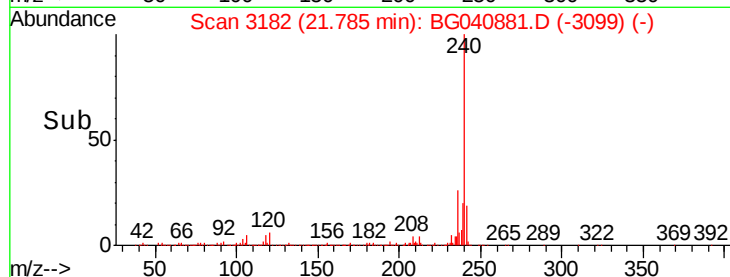
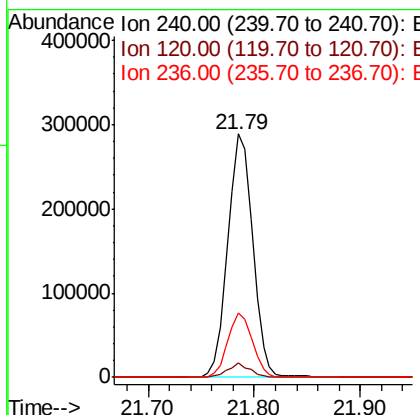
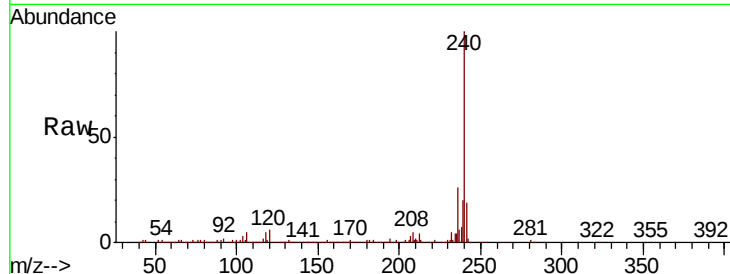




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3182
Delta R.T. -0.04 min
Lab File: BG040881.D
Acq: 11 May 2019 19:51

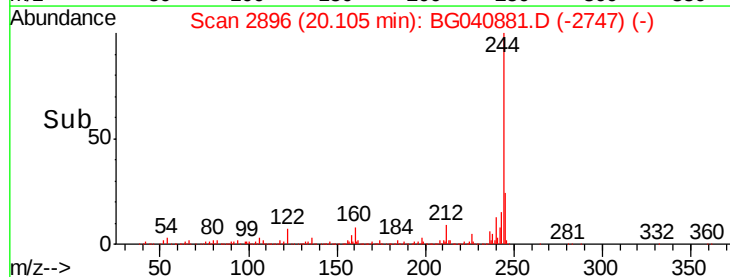
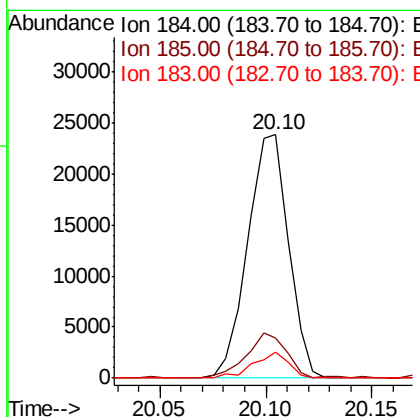
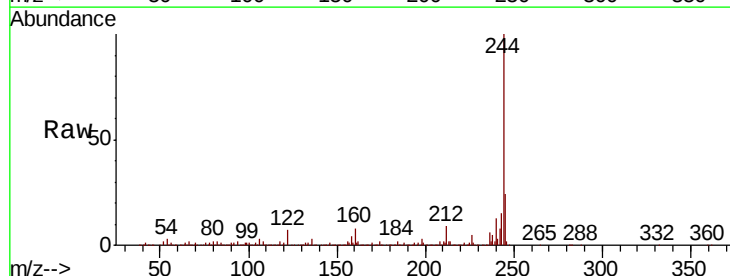
Instrument :
BNA_G
ClientSampleId :
P026-SS008-1218-01

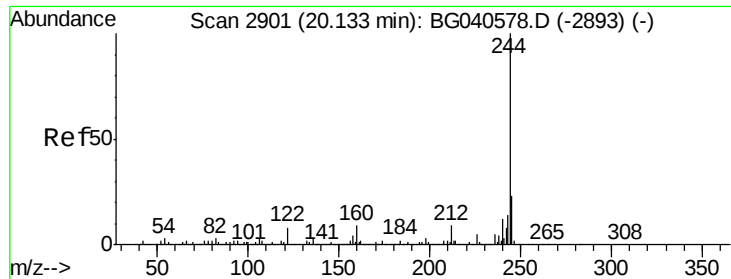
Tgt Ion: 240 Resp: 472676
Ion Ratio Lower Upper
240 100
120 5.7 5.0 7.6
236 26.3 20.3 30.5



#77
Benzidine
Concen: 2.478 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040881.D
Acq: 11 May 2019 19:51

Tgt Ion: 184 Resp: 32074
Ion Ratio Lower Upper
184 100
185 16.6 11.8 17.8
183 10.9 10.2 15.2





#79

Terphenyl-d14

Concen: 81.378 ng

RT: 20.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: BG040881.D

Acq: 11 May 2019 19:51

Instrument :

BNA_G

ClientSampleId :

P026-SS008-1218-01

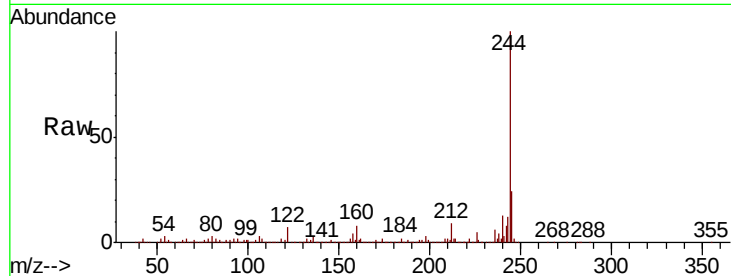
Tgt Ion:244 Resp: 1736259

Ion Ratio Lower Upper

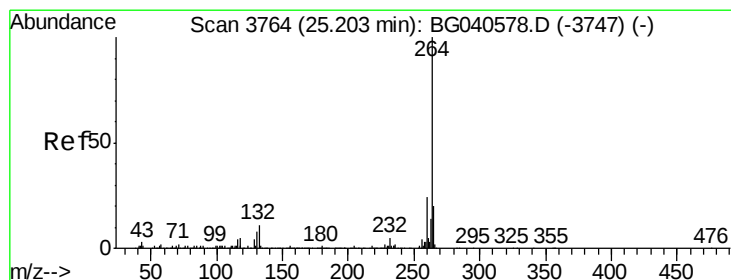
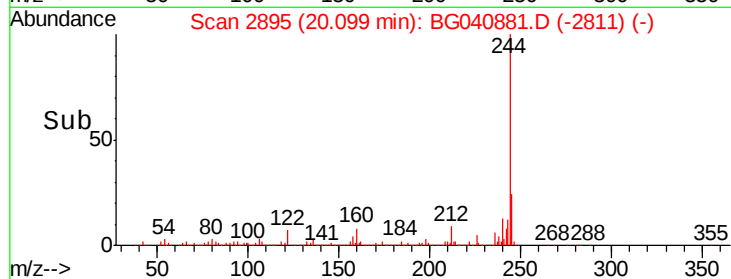
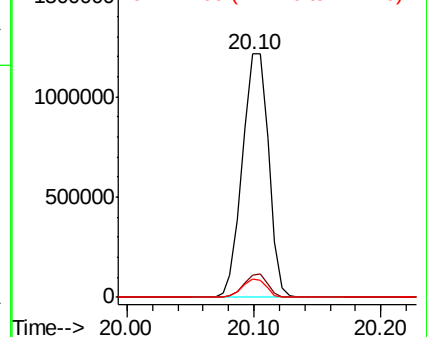
244 100

212 9.1 7.2 10.8

122 7.4 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: BG040881.D

Acq: 11 May 2019 19:51

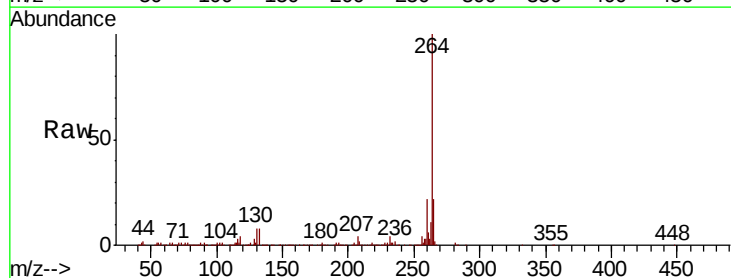
Tgt Ion:264 Resp: 501785

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 21.6 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

