

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080119\
 Data File : BG041862.D
 Acq On : 1 Aug 2019 14:16
 Operator : HP/JU
 Sample : K4021-16RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-A

Quant Time: Aug 02 01:30:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

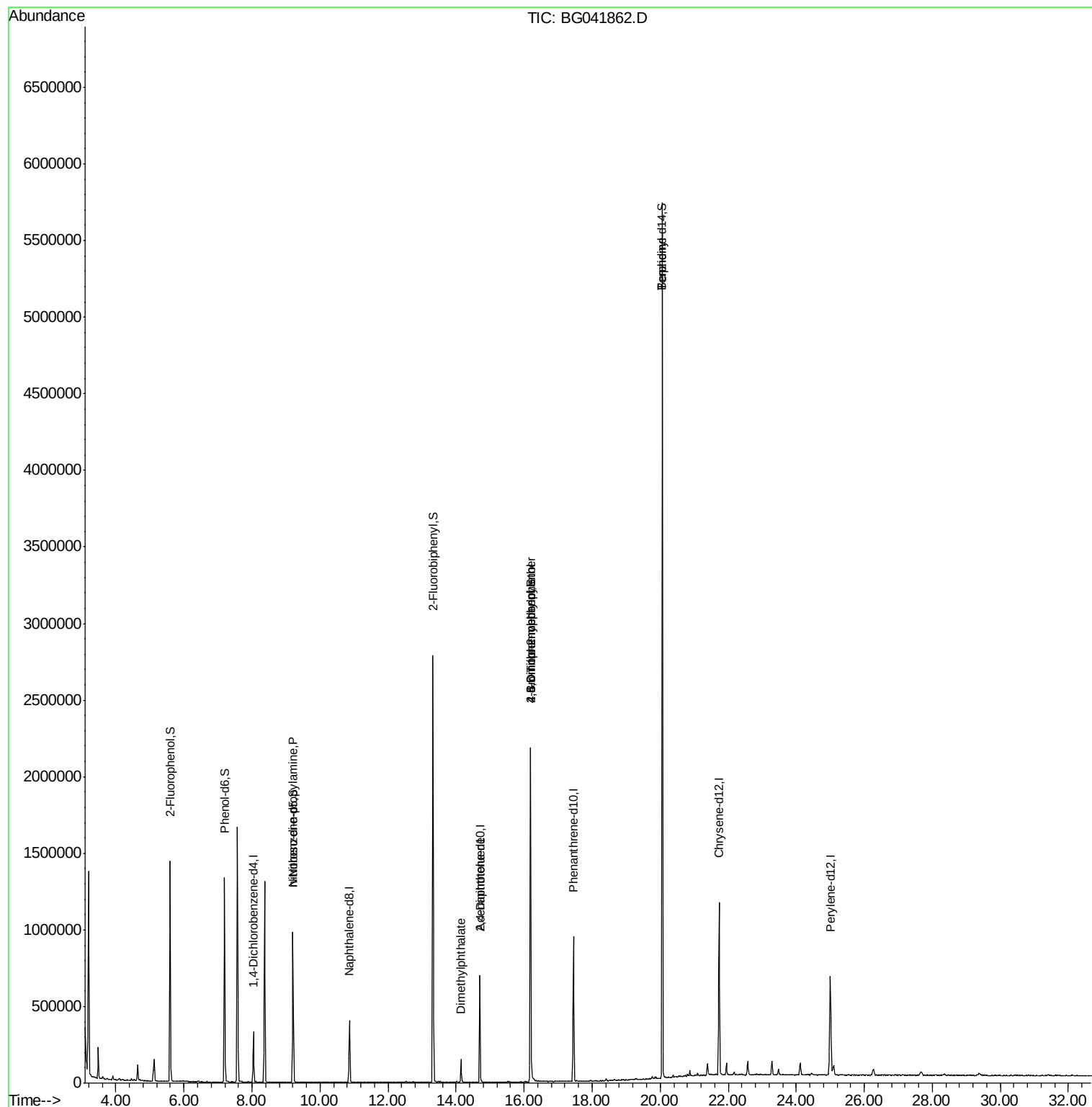
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	102444	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	377556	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	267106	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	625160	20.00	ng	0.00
76) Chrysene-d12	21.73	240	663491	20.00	ng	0.00
87) Perylene-d12	25.00	264	763678	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	657438	124.86	ng	0.00
7) Phenol-d6	7.20	99	792595	111.66	ng	0.00
23) Nitrobenzene-d5	9.20	82	608609	110.93	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	495812	163.42	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1515143	100.05	ng	0.00
79) Terphenyl-d14	20.06	244	2561430	88.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	82899	16.086	ng	Qvalue 69
50) Dimethylphthalate	14.15	163	118729	6.509	ng	97
57) 2,4-Dinitrotoluene	14.70	165	35187	6.708	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.19	198	1306	7.218	ng	# 1
67) 4-Bromophenyl-phenylether	16.19	248	37172	4.827	ng	# 1
77) Benzidine	20.06	184	46301	2.138	ng	# 93

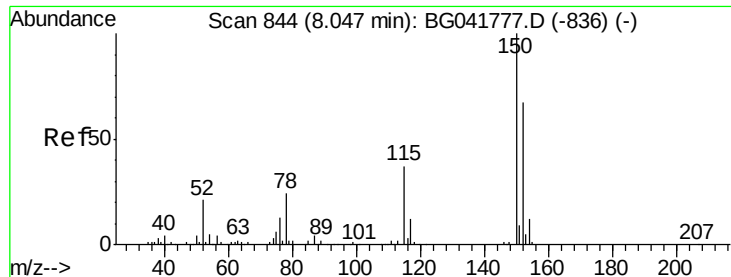
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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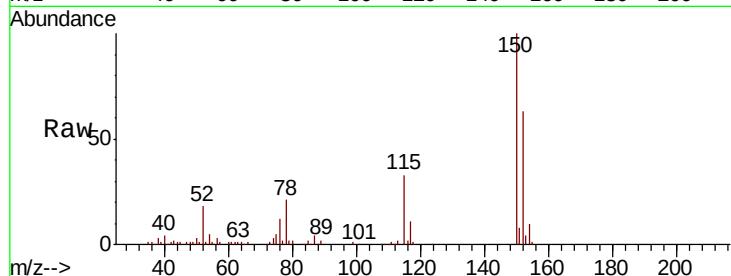


#1

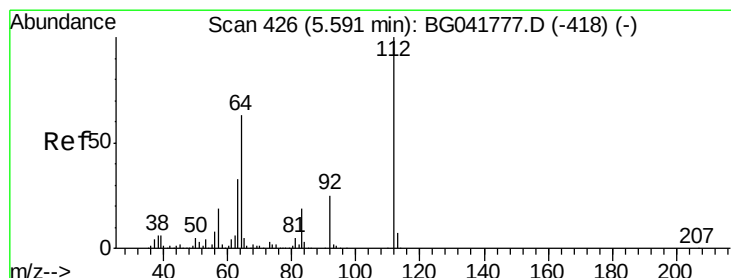
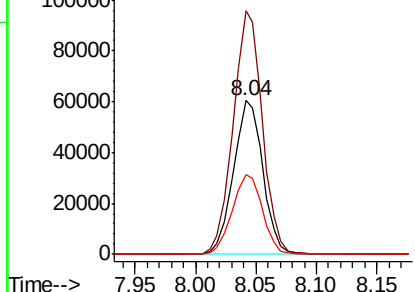
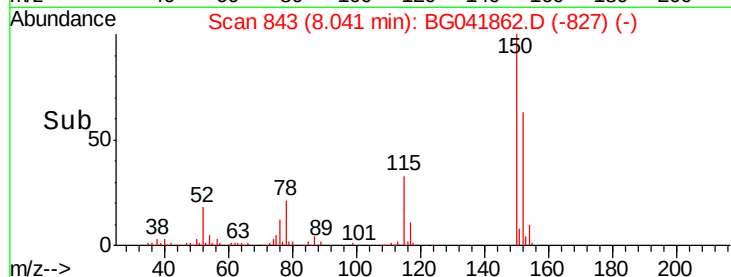
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041862.D
Acq: 1 Aug 2019 14:16

Instrument :
BNA_F
ClientSampleId :
TP-8-A

Tgt Ion:152 Resp: 102444
Ion Ratio Lower Upper
152 100
150 158.3 126.9 190.3
115 51.7 45.0 67.6



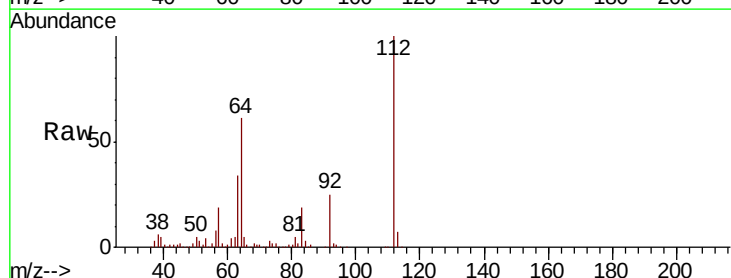
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



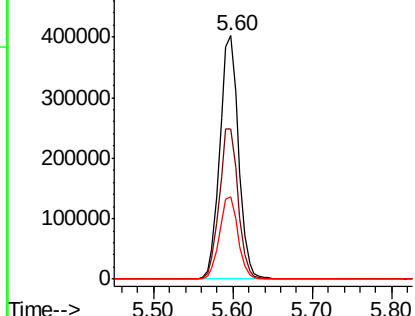
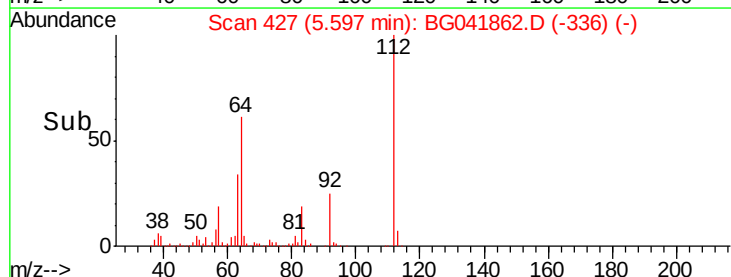
#5

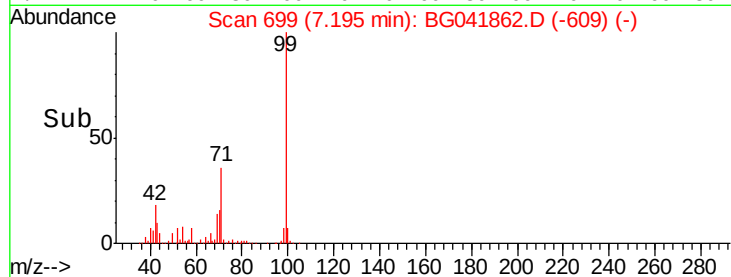
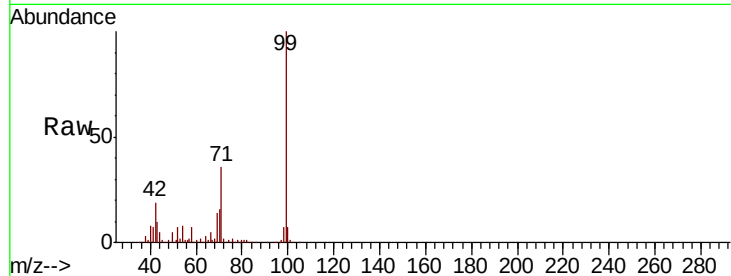
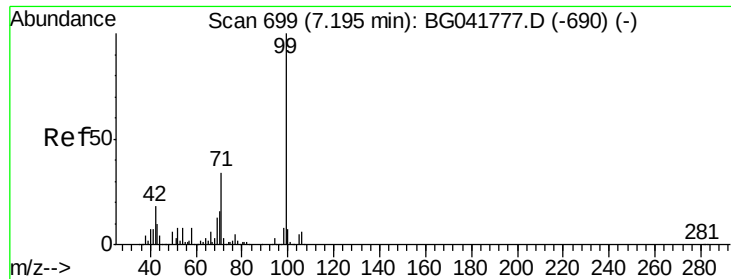
2-Fluorophenol
Concen: 124.861 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG041862.D
Acq: 1 Aug 2019 14:16

Tgt Ion:112 Resp: 657438
Ion Ratio Lower Upper
112 100
64 61.5 55.4 83.2
63 34.1 29.1 43.7



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: 111.656 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

Instrument :

BNA_F

ClientSampleId :

TP-8-A

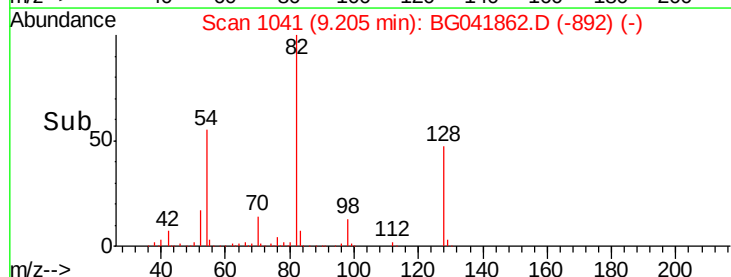
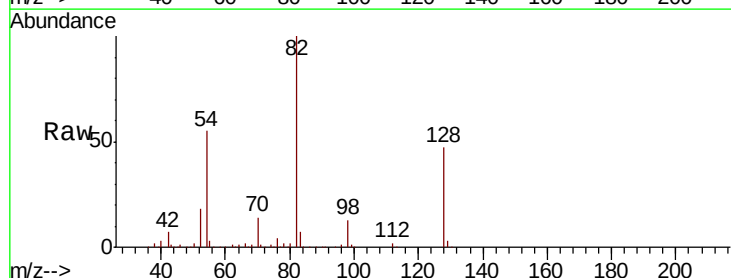
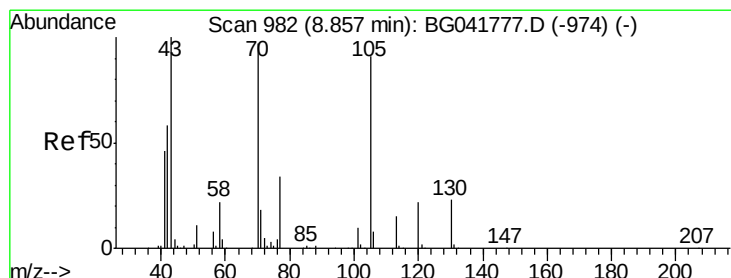
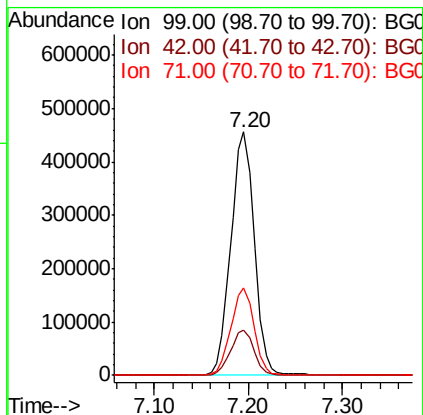
Tgt Ion: 99 Resp: 792595

Ion Ratio Lower Upper

99 100

42 18.6 17.6 26.4

71 35.9 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.086 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

Tgt Ion: 70 Resp: 82899

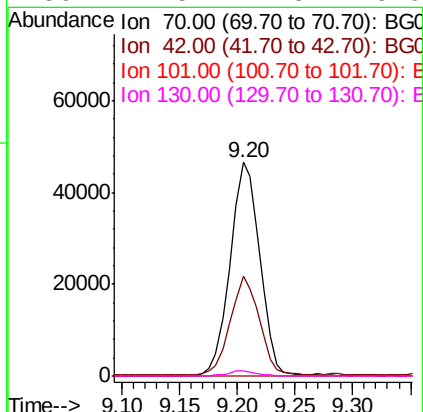
Ion Ratio Lower Upper

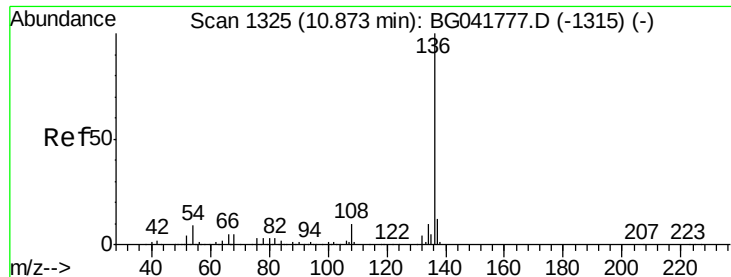
70 100

42 46.8 55.8 83.6#

101 0.0 8.1 12.1#

130 2.5 17.3 25.9#

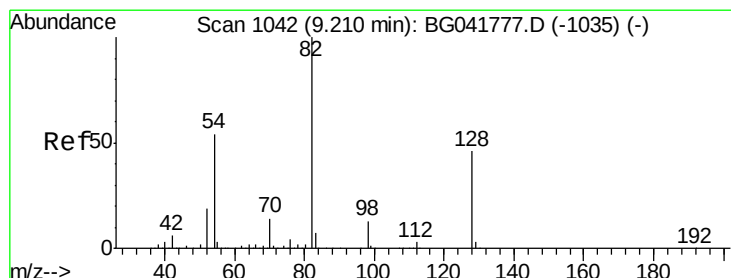
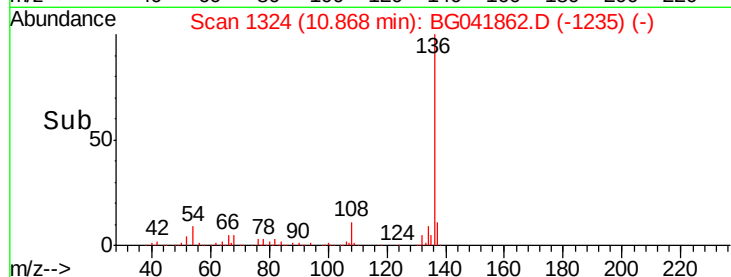
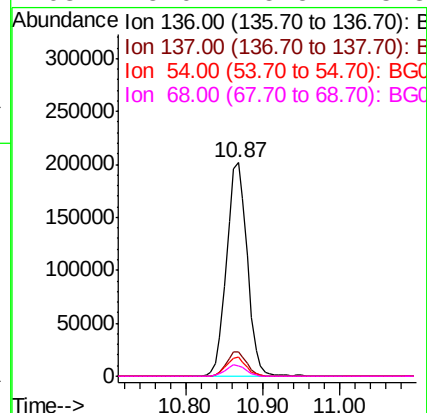
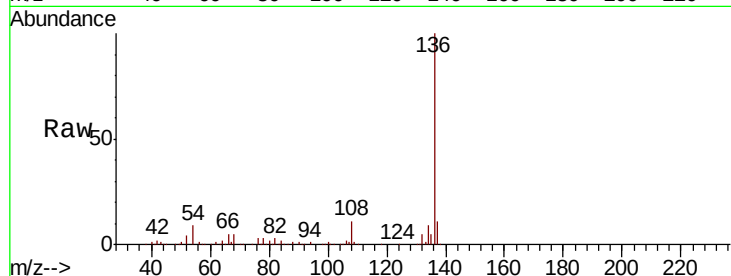




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041862.D
Acq: 1 Aug 2019 14:16

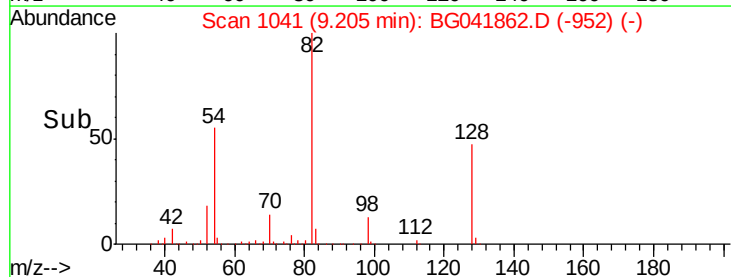
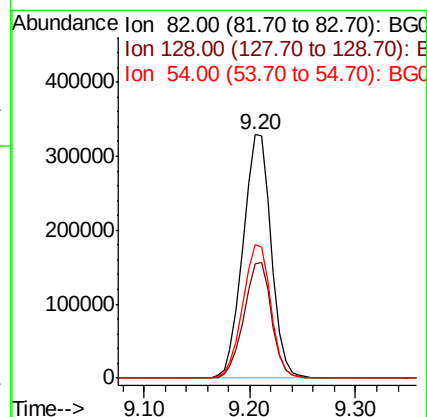
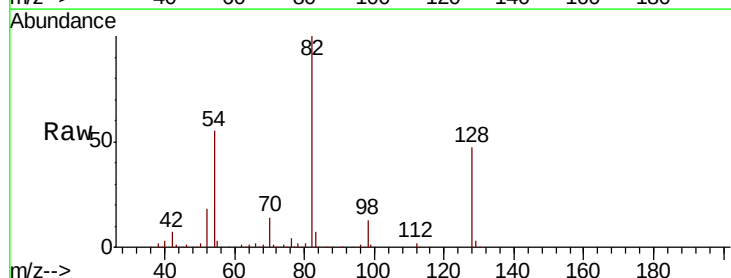
Instrument :
BNA_F
ClientSampleId :
TP-8-A

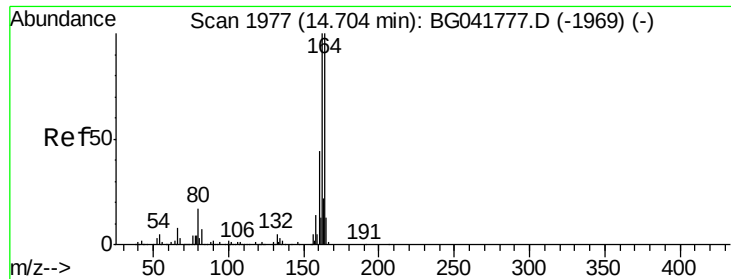
Tgt Ion:	136	Resp:	377556
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	8.9	8.7	13.1
68	5.0	5.5	8.3#



#23
Nitrobenzene-d5
Concen: 110.930 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041862.D
Acq: 1 Aug 2019 14:16

Tgt Ion:	82	Resp:	608609
Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.1	52.7
54	54.9	48.7	73.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

Instrument :

BNA_F

ClientSampleId :

TP-8-A

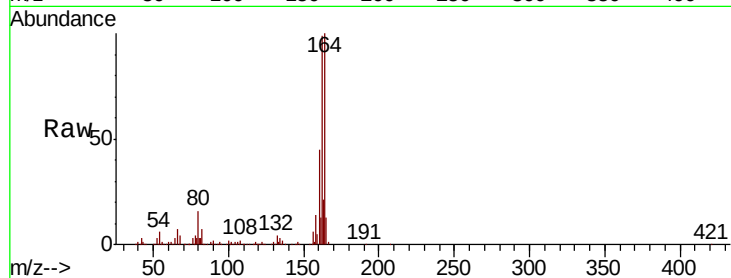
Tgt Ion:164 Resp: 267106

Ion Ratio Lower Upper

164 100

162 99.5 79.6 119.4

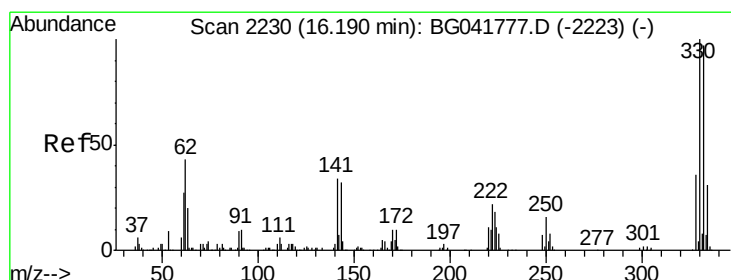
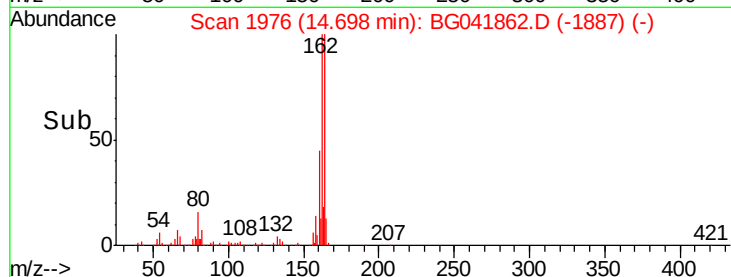
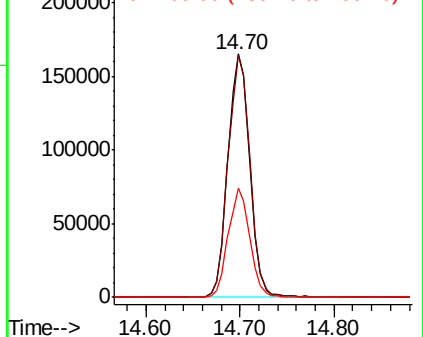
160 45.0 35.4 53.0



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: 163.421 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

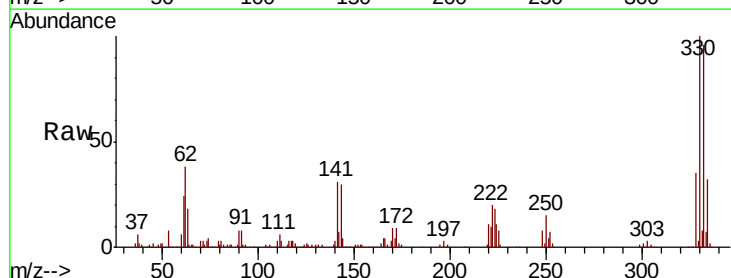
Tgt Ion:330 Resp: 495812

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

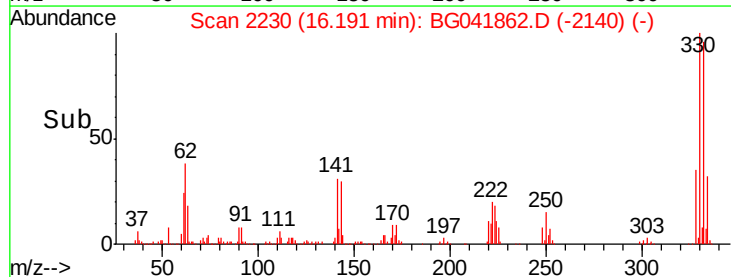
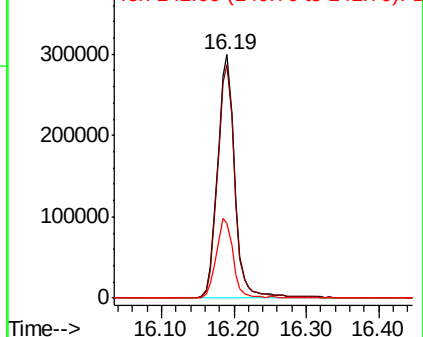
141 32.3 31.9 47.9

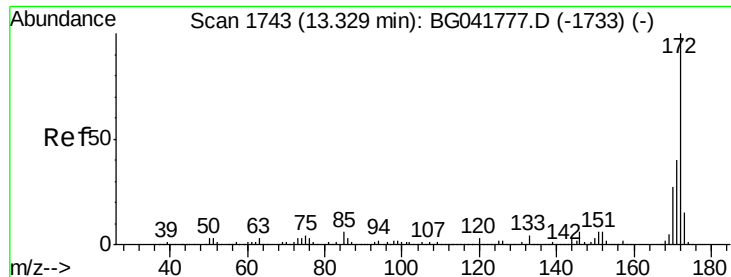


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

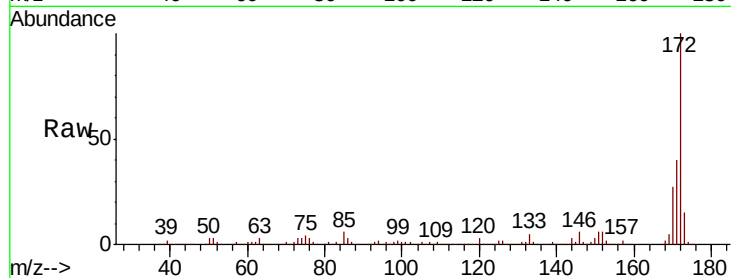




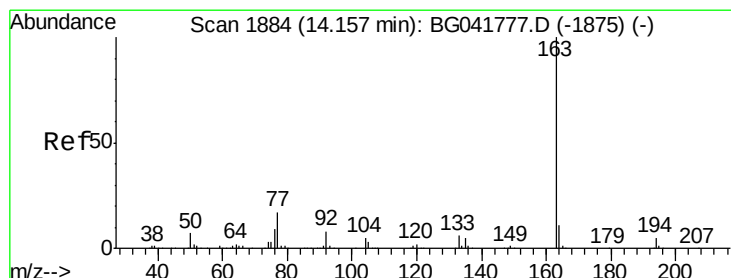
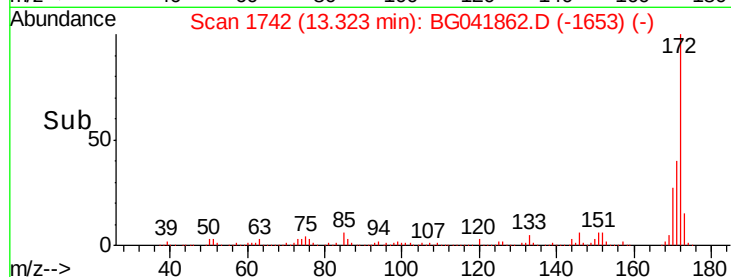
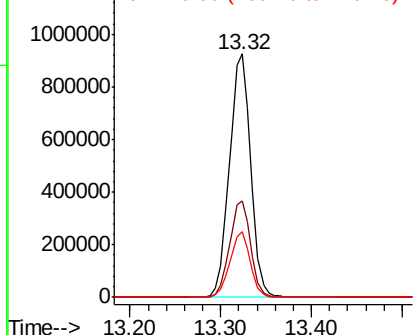
#45
 2-Fluorobiphenyl
 Concen: 100.046 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. -0.01 min
 Lab File: BG041862.D
 Acq: 1 Aug 2019 14:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-A

Tgt Ion:172 Resp: 1515143
 Ion Ratio Lower Upper
 172 100
 171 39.8 35.0 52.4
 170 26.8 23.5 35.3

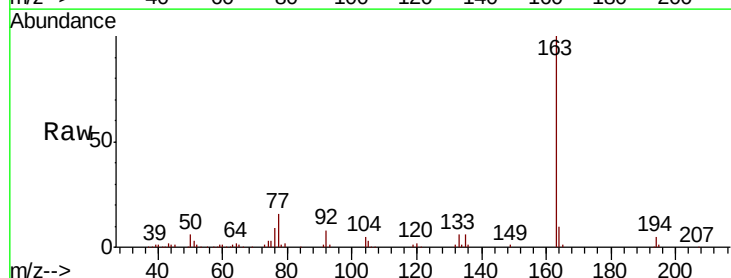


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

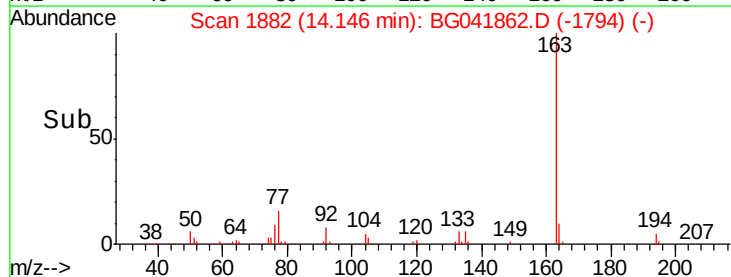
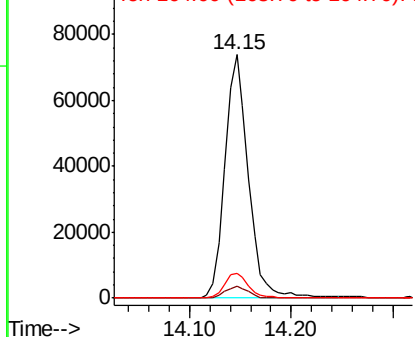


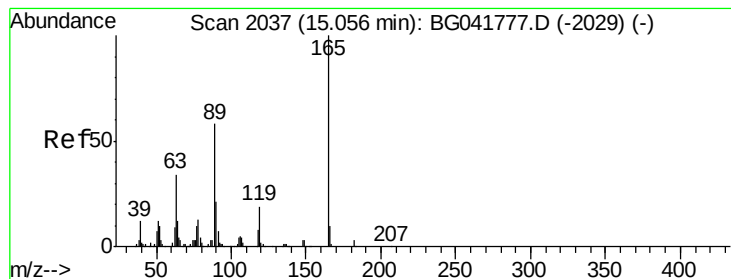
#50
 Dimethylphthalate
 Concen: 6.509 ng
 RT: 14.15 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: BG041862.D
 Acq: 1 Aug 2019 14:16

Tgt Ion:163 Resp: 118729
 Ion Ratio Lower Upper
 163 100
 194 5.1 4.2 6.2
 164 10.4 9.4 14.2



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: 6.708 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.36 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

Instrument :

BNA_F

ClientSampleId :

TP-8-A

Tgt Ion:165 Resp: 35187

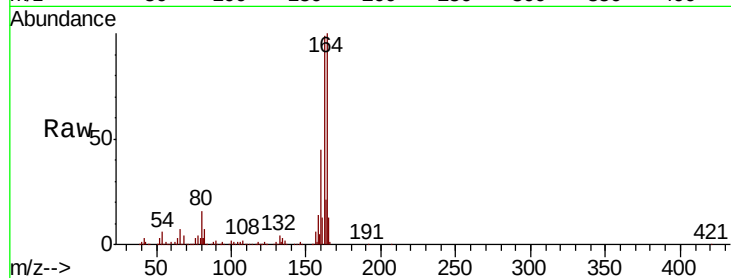
Ion Ratio Lower Upper

165 100

63 2.0 31.7 47.5#

89 2.3 50.2 75.4#

182 0.0 2.6 4.0#

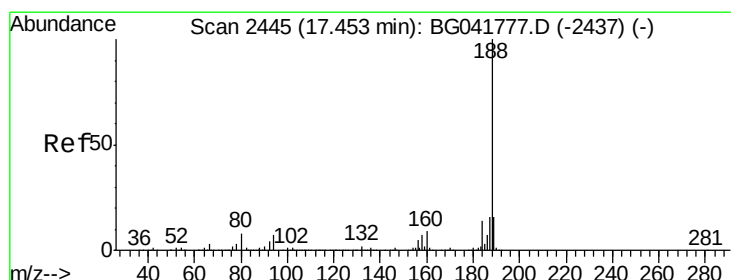
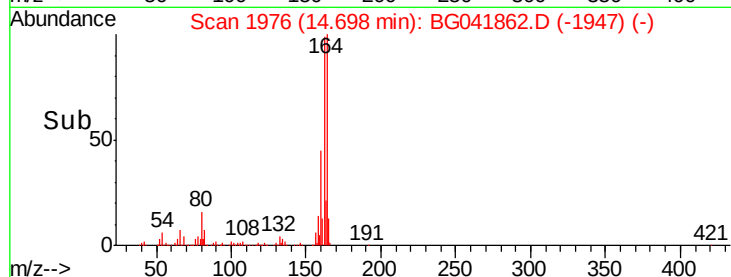
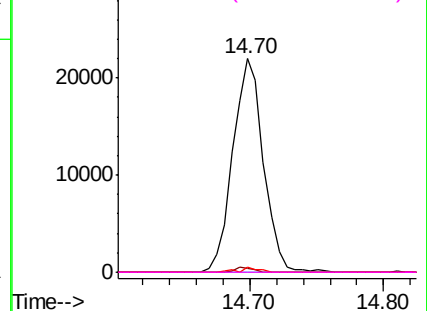


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.45 min Scan# 2444

Delta R.T. -0.01 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

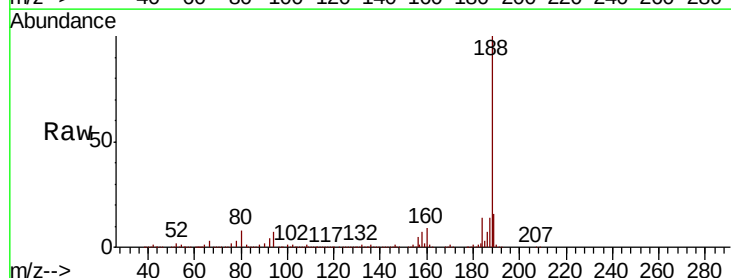
Tgt Ion:188 Resp: 625160

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

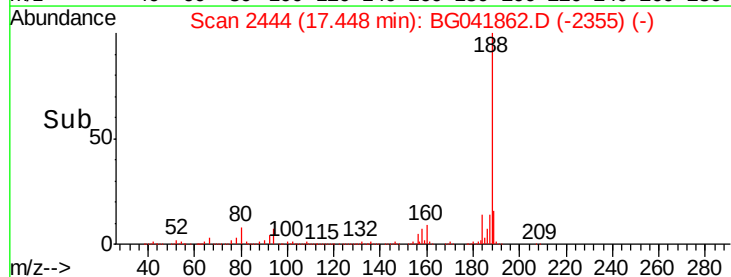
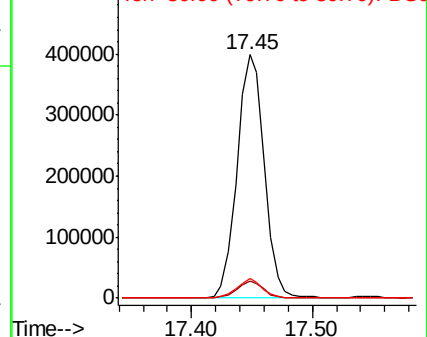
80 8.2 8.0 12.0

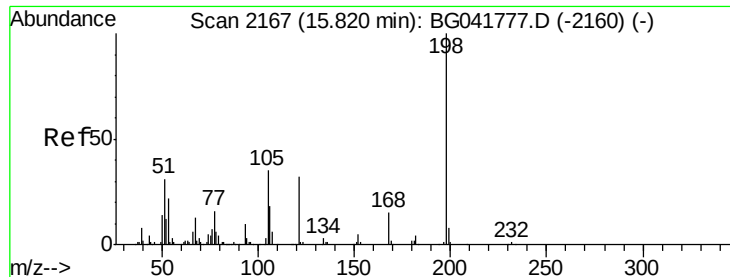


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

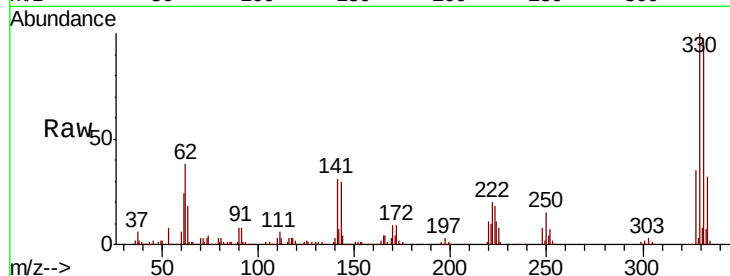




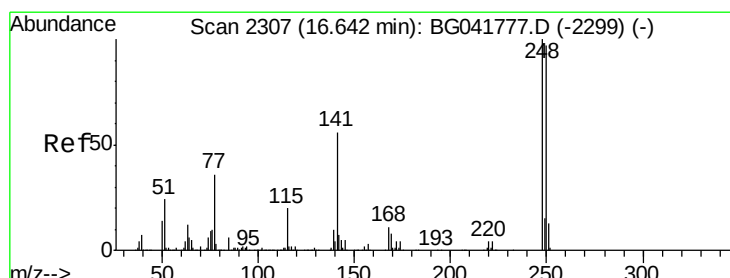
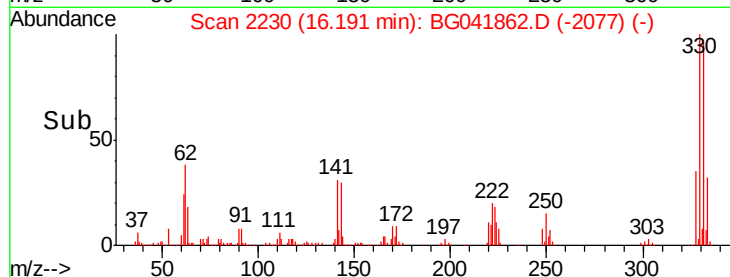
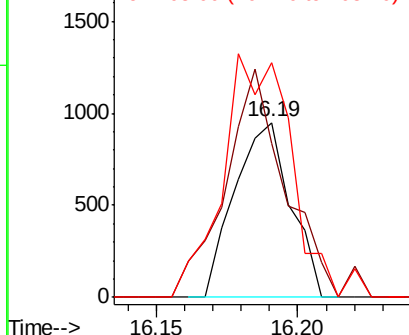
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.218 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.37 min
 Lab File: BG041862.D
 Acq: 1 Aug 2019 14:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-A

Tgt Ion:198 Resp: 1306
 Ion Ratio Lower Upper
 198 100
 51 88.3 22.3 62.3#
 105 134.2 18.0 58.0#

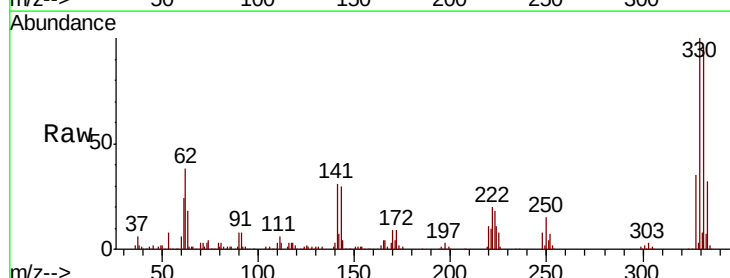


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG041777.D (-2160) (-)
 Ion 105.00 (104.70 to 105.70): E

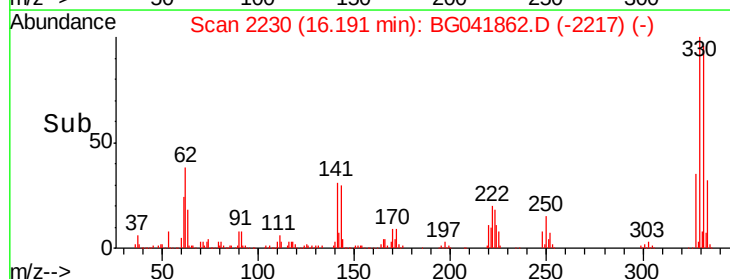
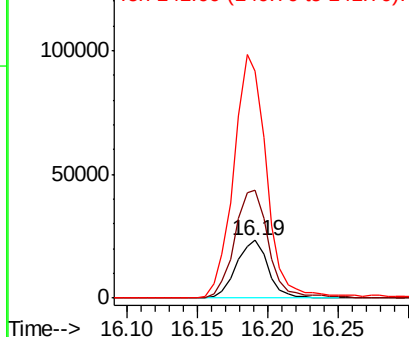


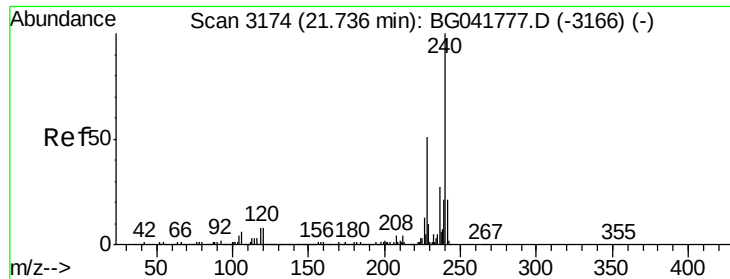
#67
 4-Bromophenyl-phenylether
 Concen: 4.827 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.45 min
 Lab File: BG041862.D
 Acq: 1 Aug 2019 14:16

Tgt Ion:248 Resp: 37172
 Ion Ratio Lower Upper
 248 100
 250 188.1 78.1 117.1#
 141 394.0 49.6 74.4#



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

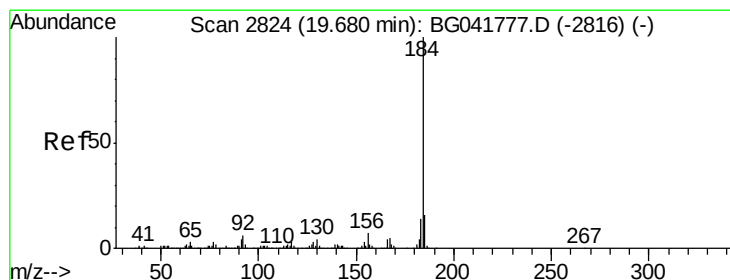
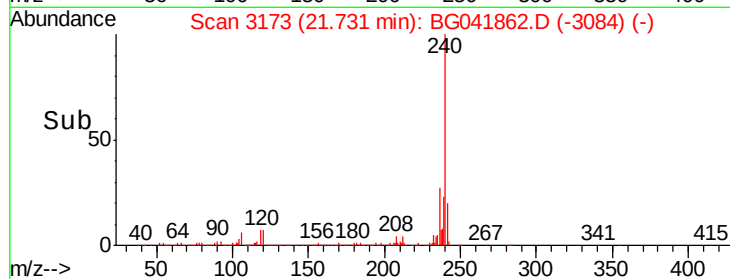
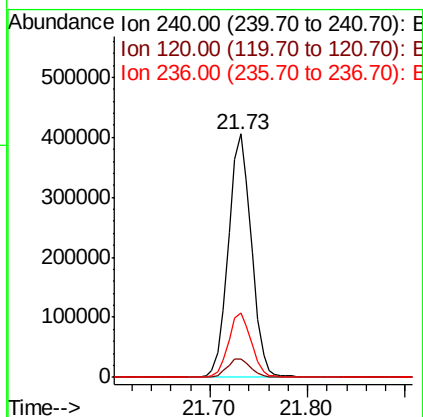
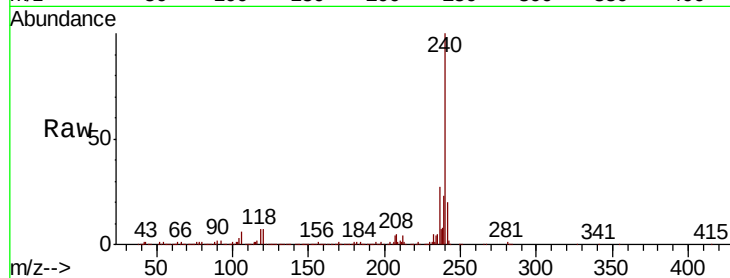




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG041862.D
Acq: 1 Aug 2019 14:16

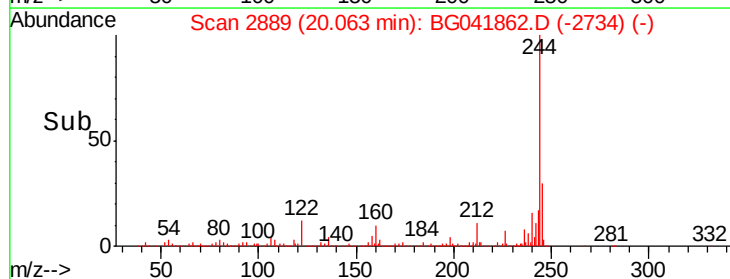
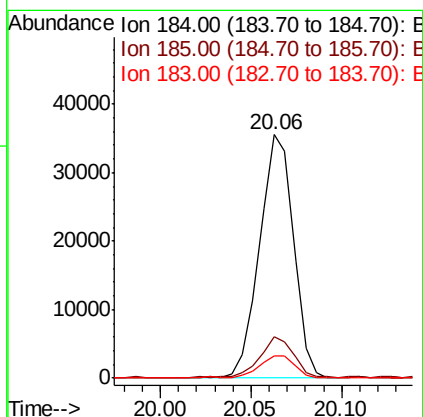
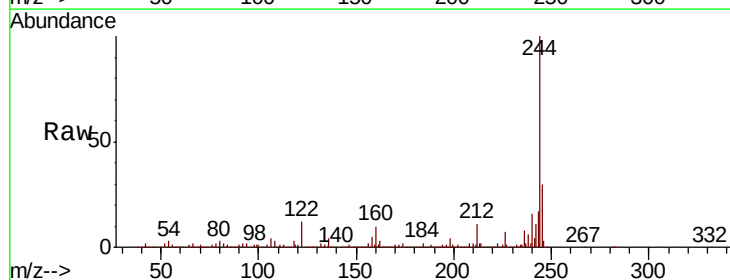
Instrument :
BNA_F
ClientSampled :
TP-8-A

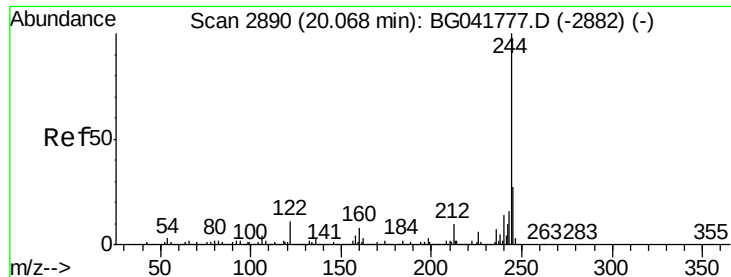
Tgt Ion:240 Resp: 663491
Ion Ratio Lower Upper
240 100
120 7.4 8.0 12.0#
236 26.7 22.6 33.8



#77
Benzidine
Concen: 2.138 ng
RT: 20.06 min Scan# 2889
Delta R.T. 0.38 min
Lab File: BG041862.D
Acq: 1 Aug 2019 14:16

Tgt Ion:184 Resp: 46301
Ion Ratio Lower Upper
184 100
185 17.0 13.0 19.4
183 9.1 11.8 17.6#





#79

Terphenyl-d14

Concen: 88.339 ng

RT: 20.06 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

Instrument :

BNA_F

ClientSampleId :

TP-8-A

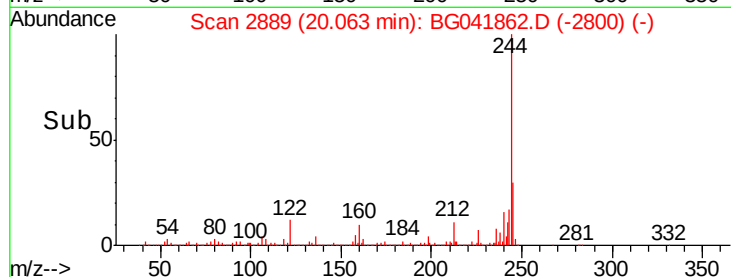
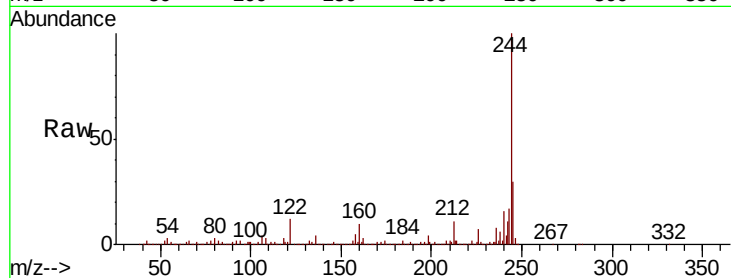
Tgt Ion:244 Resp: 2561430

Ion Ratio Lower Upper

244 100

212 11.2 9.7 14.5

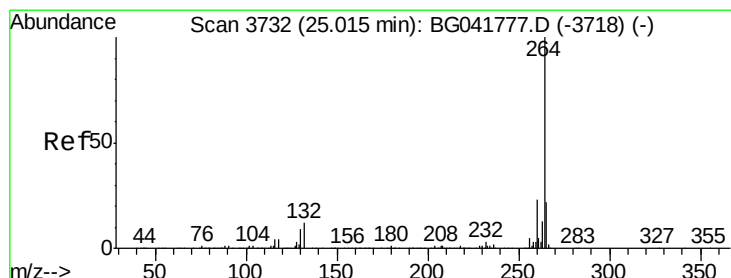
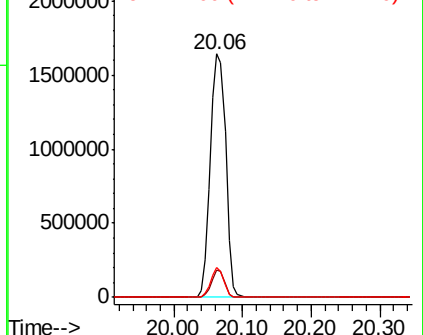
122 12.3 12.5 18.7#



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: 25.00 min Scan# 3730

Delta R.T. -0.01 min

Lab File: BG041862.D

Acq: 1 Aug 2019 14:16

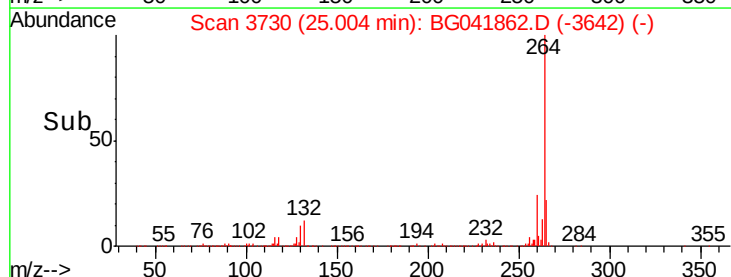
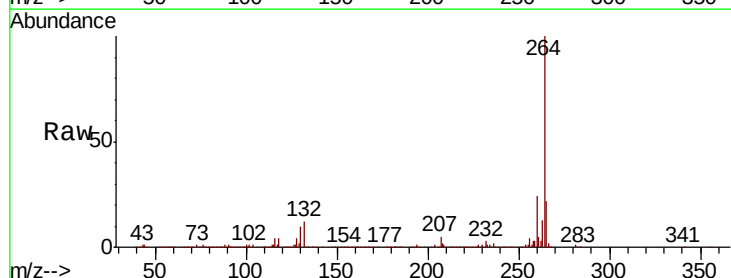
Tgt Ion:264 Resp: 763678

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.7 18.0 27.0



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

