

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040898.D
 Acq On : 12 May 2019 7:51
 Operator : HP/JU
 Sample : K2767-18
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS012-1218-01

Quant Time: May 13 03:52:18 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	52839	20.00	ng	-0.02
21) Naphthalene-d8	10.95	136	226471	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	169479	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	430233	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	430355	20.00	ng	-0.04
87) Perylene-d12	25.14	264	472067	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	451576	150.65	ng	-0.02
7) Phenol-d6	7.28	99	684565	148.32	ng	-0.02
23) Nitrobenzene-d5	9.31	82	470823	96.06	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	355625	152.66	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	885715	75.48	ng	-0.03
79) Terphenyl-d14	20.10	244	1473186	75.84	ng	-0.03

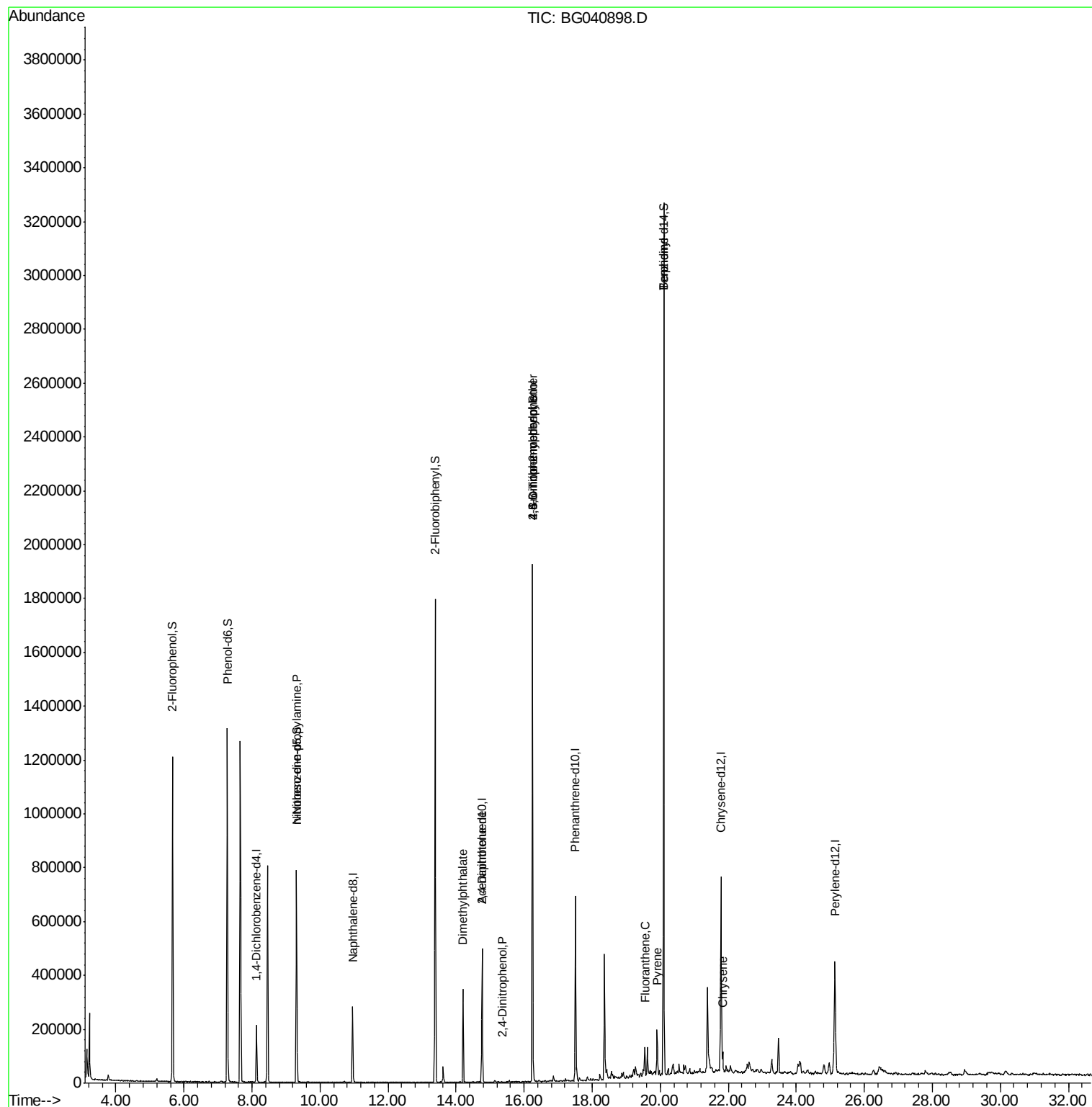
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.28	77	1509	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.31	70	66368	15.975	ng	# 71
50) Dimethylphthalate	14.20	163	208267	14.687	ng	# 99
54) 2,4-Dinitrophenol	15.35	184	68	7.054	ng	# 21
57) 2,4-Dinitrotoluene	14.76	165	21458	5.706	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.24	198	1171	7.572	ng	# 1
67) 4-Bromophenyl-phenylether	16.25	248	25396	4.738	ng	# 1
75) Fluoranthene	19.55	202	61633	2.134	ng	95
77) Benzidine	20.10	184	27073	2.298	ng	96
78) Pyrene	19.91	202	110267	4.088	ng	97
83) Chrysene	21.84	228	54327	2.100	ng	99

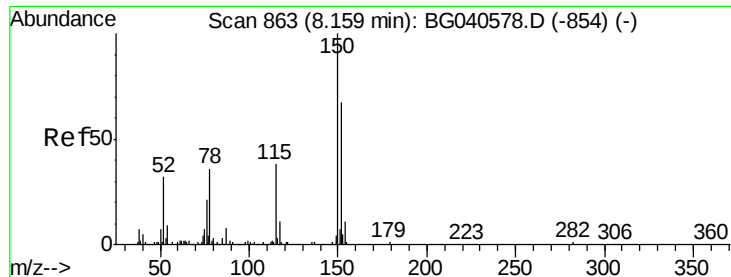
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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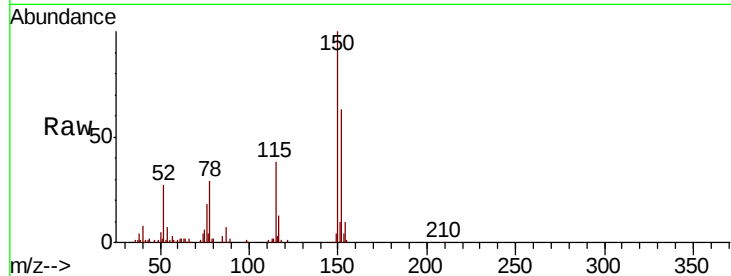


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: BG040898.D
 Acq: 12 May 2019 7:51

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS012-1218-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	120.2	180.2
115	60.6	46.2	69.2

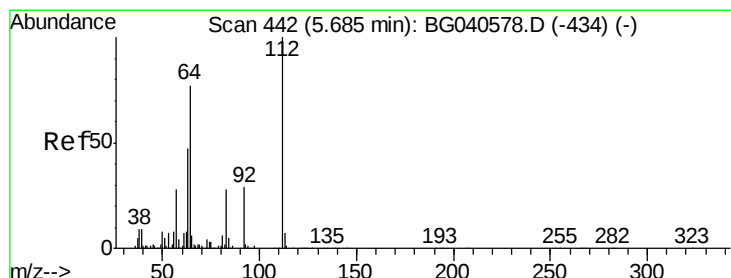
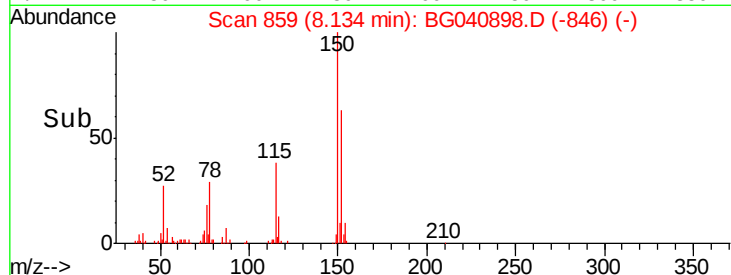
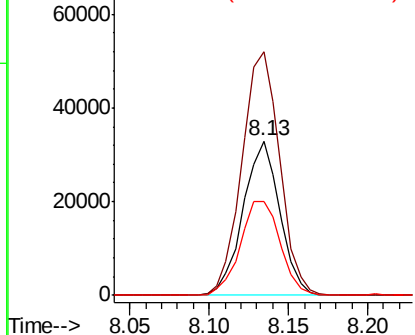


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

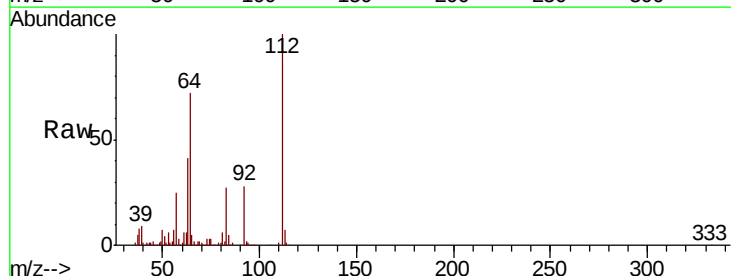
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 150.651 ng
 RT: 5.67 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BG040898.D
 Acq: 12 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	61.4	92.0
63	41.1	37.8	56.6

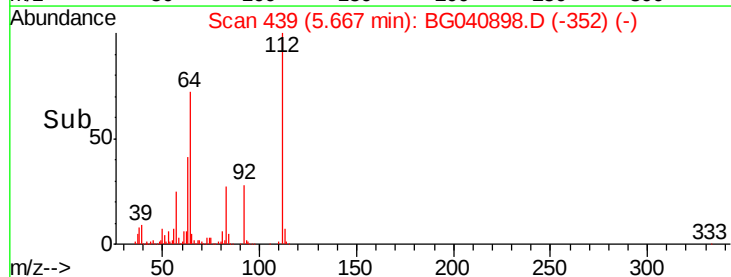
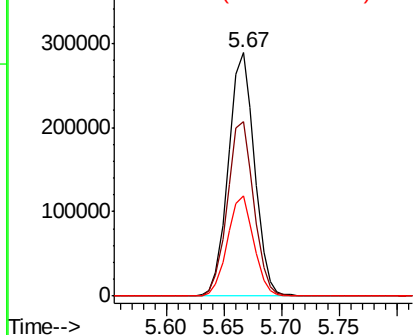


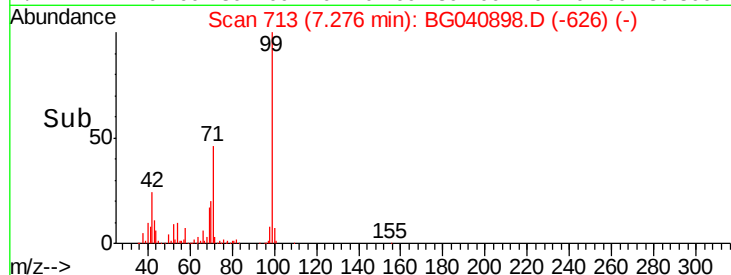
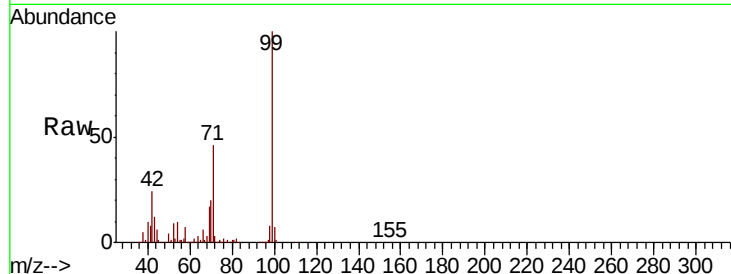
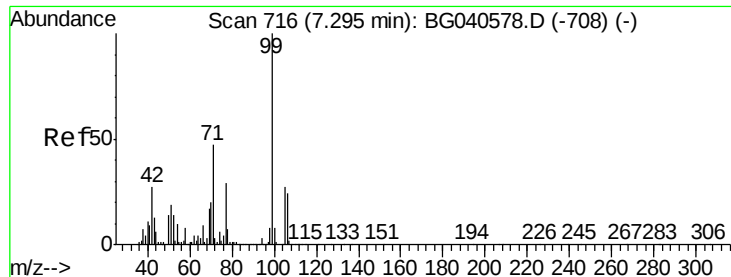
Abundance

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: 148.325 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

Instrument :

BNA_G

ClientSampleId :

P026-SS012-1218-01

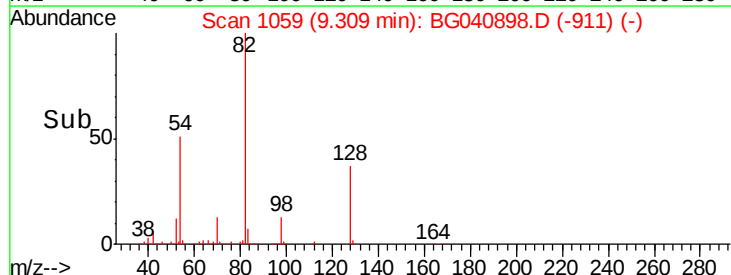
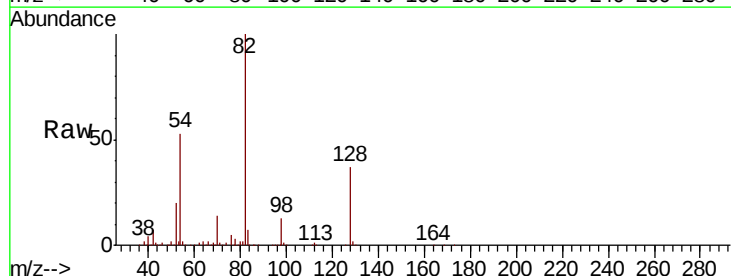
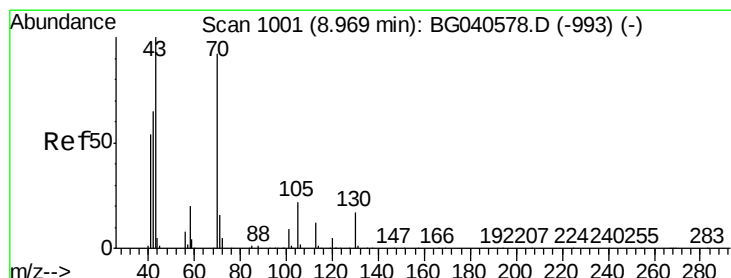
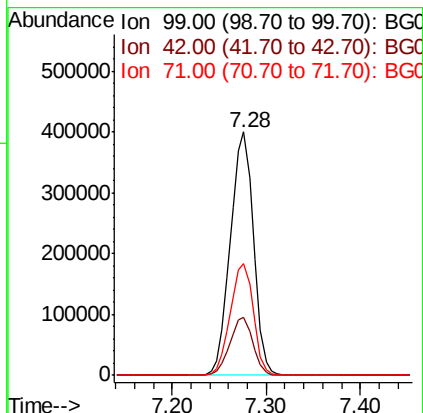
Tgt Ion: 99 Resp: 684565

Ion Ratio Lower Upper

99 100

42 24.0 21.8 32.8

71 45.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 15.975 ng

RT: 9.31 min Scan# 1059

Delta R.T. 0.34 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

Tgt Ion: 70 Resp: 66368

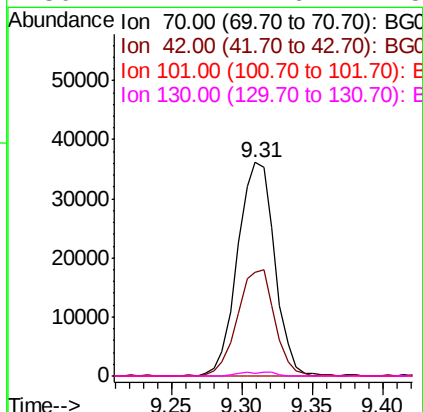
Ion Ratio Lower Upper

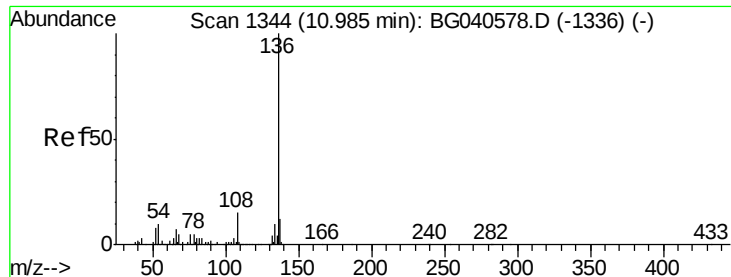
70 100

42 48.7 57.1 85.7#

101 0.0 7.8 11.8#

130 1.2 14.6 21.8#

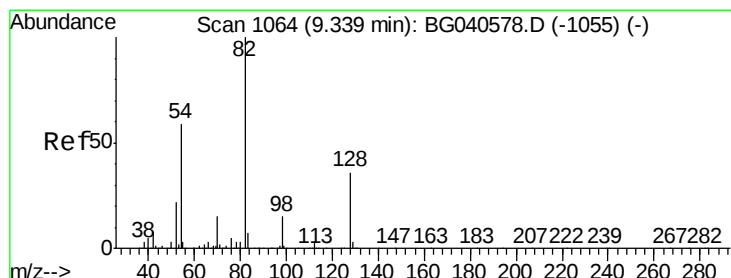
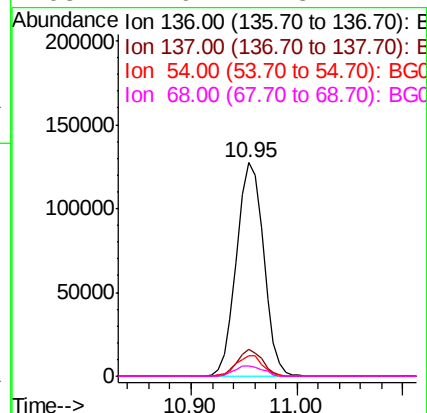
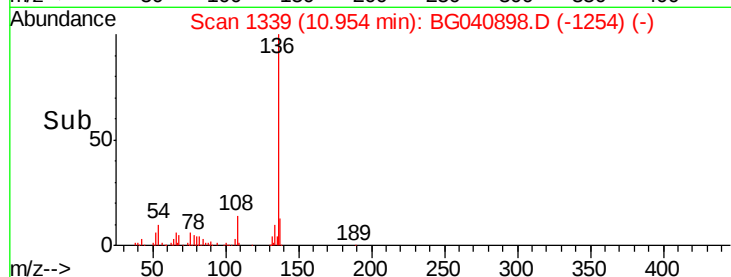
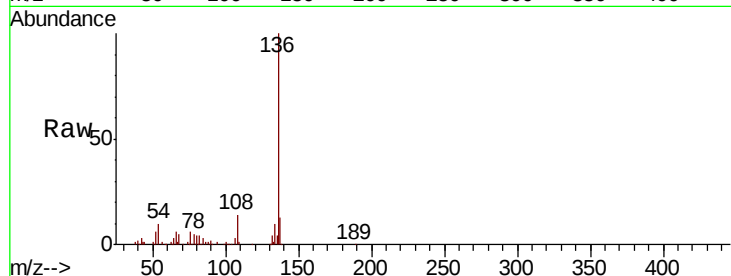




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040898.D
Acq: 12 May 2019 7:51

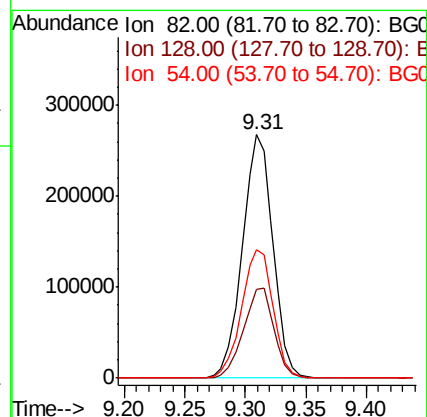
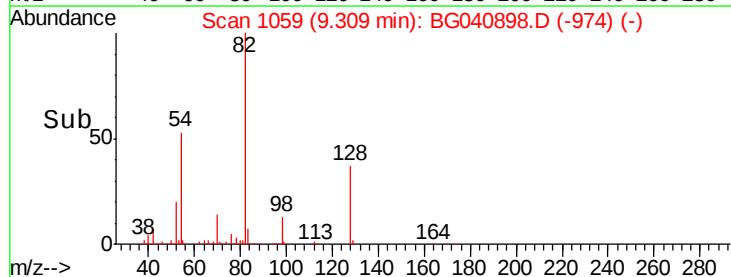
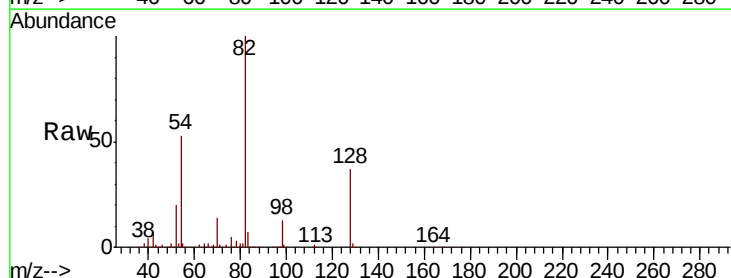
Instrument :
BNA_G
ClientSampleId :
P026-SS012-1218-01

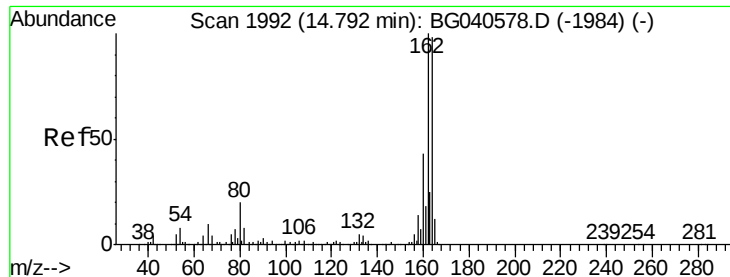
Tgt Ion:	136	Resp:	226471
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	9.6	8.6	12.8
68	4.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 96.061 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040898.D
Acq: 12 May 2019 7:51

Tgt Ion:	82	Resp:	470823
Ion	Ratio	Lower	Upper
82	100		
128	36.6	28.9	43.3
54	53.0	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: BG040898.D

Acq: 12 May 2019 7:51

Instrument :

BNA_G

ClientSampleId :

P026-SS012-1218-01

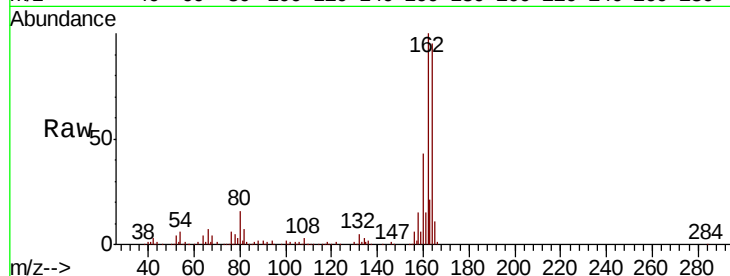
Tgt Ion:164 Resp: 169479

Ion Ratio Lower Upper

164 100

162 105.1 81.9 122.9

160 45.4 35.4 53.2

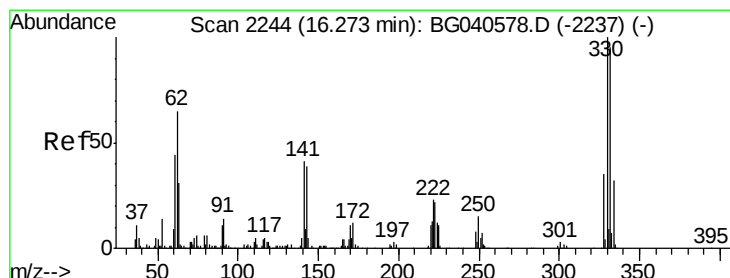
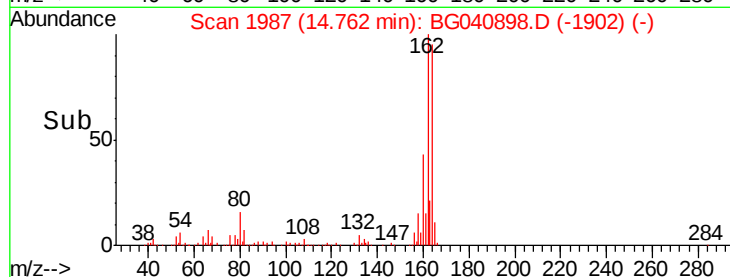
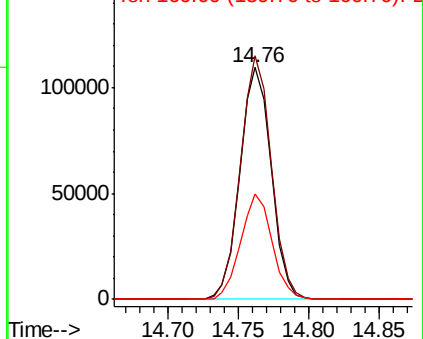


Abundance

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: 152.660 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

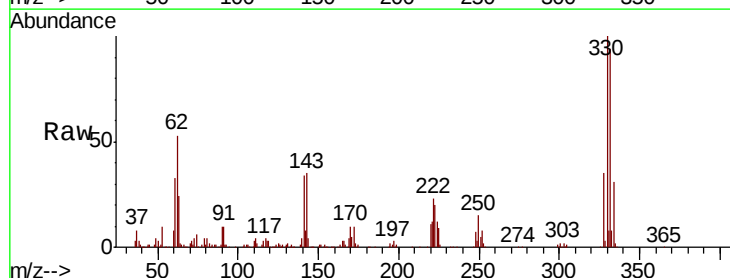
Tgt Ion:330 Resp: 355625

Ion Ratio Lower Upper

330 100

332 93.9 75.9 113.9

141 34.3 32.4 48.6

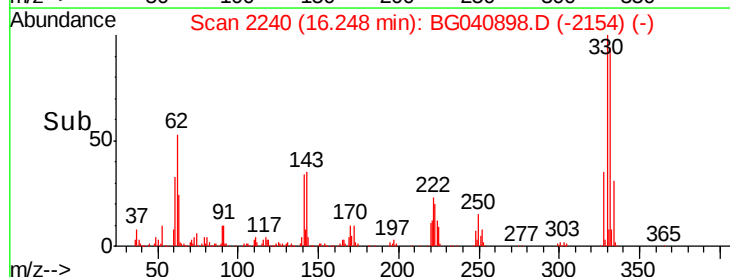
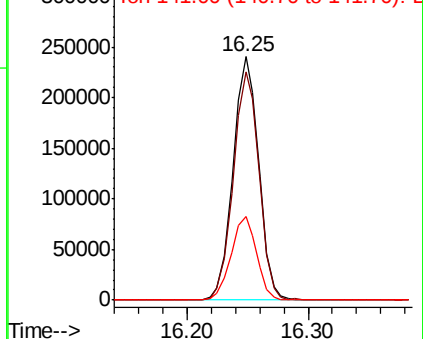


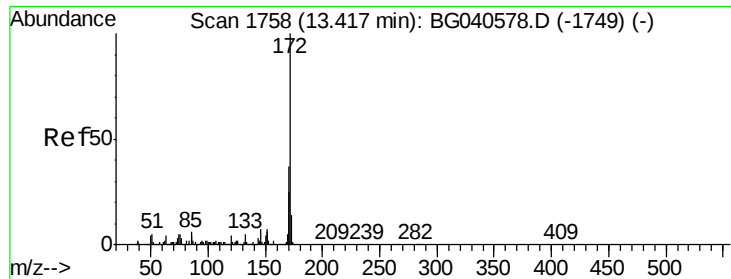
Abundance

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

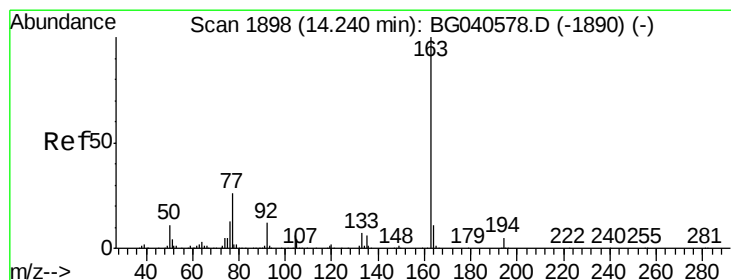
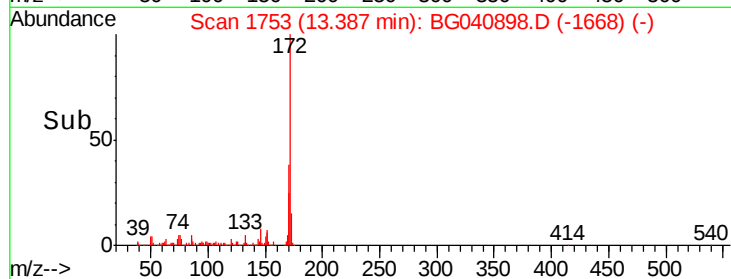
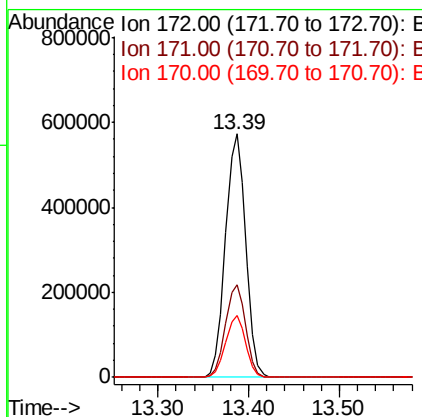
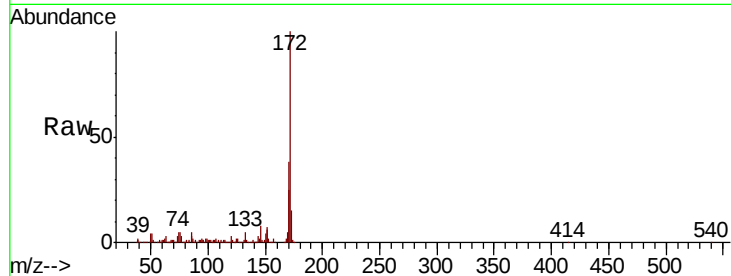




#45
2-Fluorobiphenyl
Concen: 75.475 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.03 min
Lab File: BG040898.D
Acq: 12 May 2019 7:51

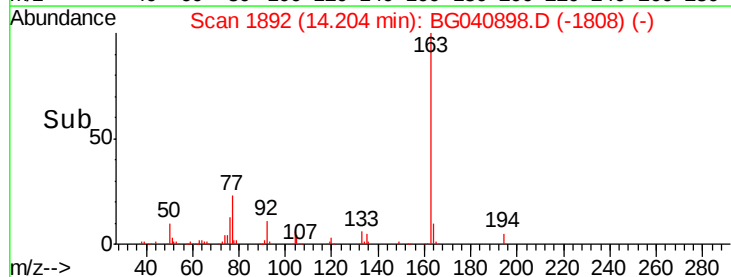
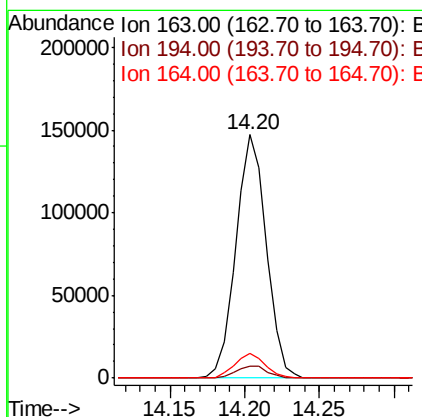
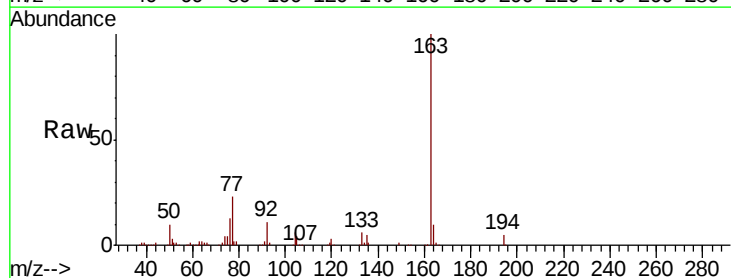
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P026-SS012-1218-01

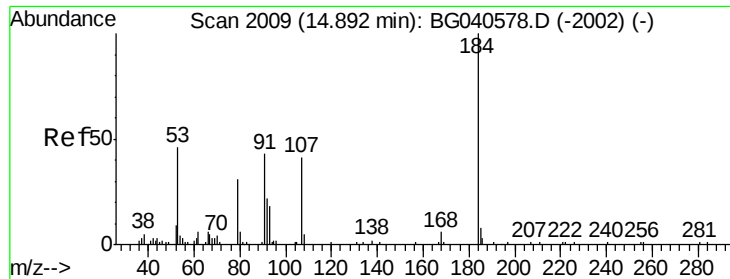
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.4	44.2
170	25.3	19.9	29.9



#50
Dimethylphthalate
Concen: 14.687 ng
RT: 14.20 min Scan# 1892
Delta R.T. -0.04 min
Lab File: BG040898.D
Acq: 12 May 2019 7:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	10.3	8.8	13.2

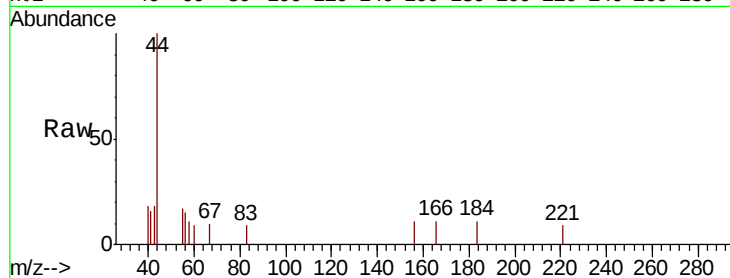




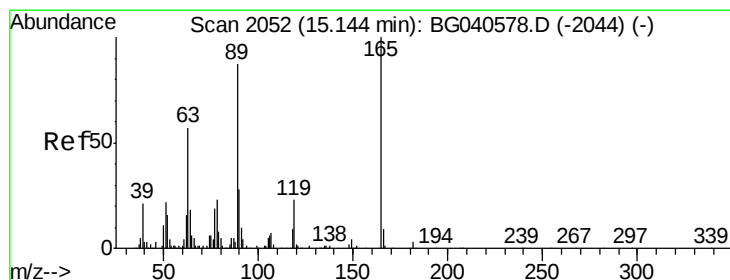
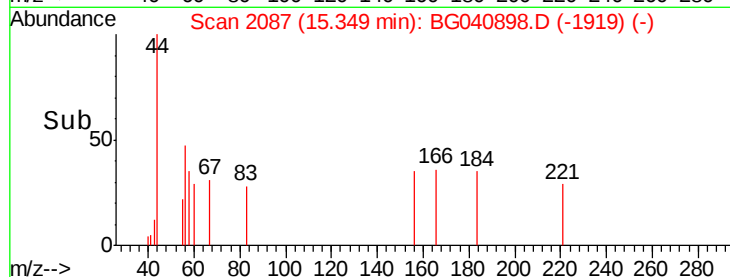
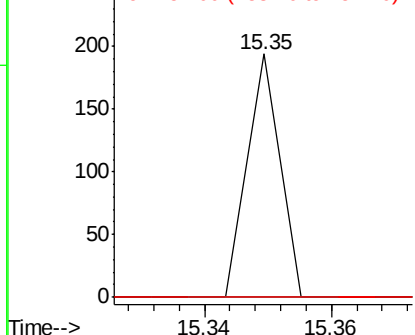
#54
2,4-Dinitrophenol
Concen: 7.054 ng
RT: 15.35 min Scan# 2087
Delta R.T. 0.46 min
Lab File: BG040898.D
Acq: 12 May 2019 7:51

Instrument :
BNA_G
ClientSampleId :
P026-SS012-1218-01

Tgt Ion:184 Resp: 68
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

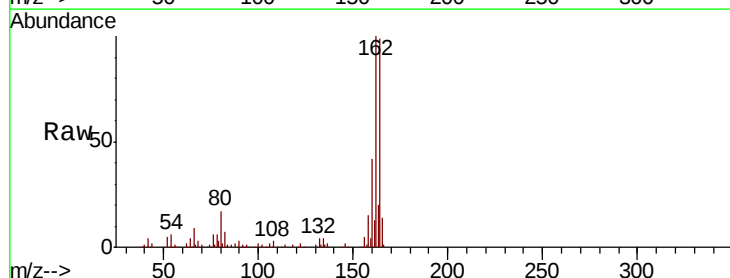


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

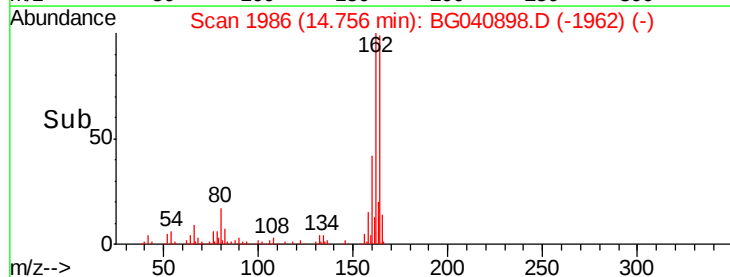
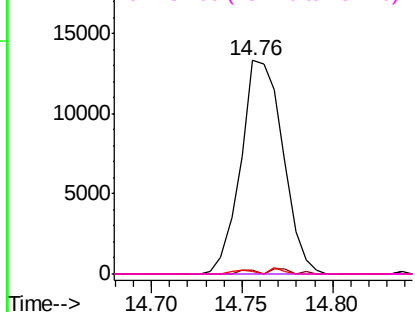


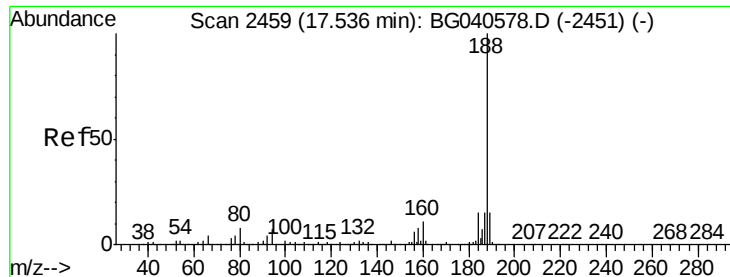
#57
2,4-Dinitrotoluene
Concen: 5.706 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.39 min
Lab File: BG040898.D
Acq: 12 May 2019 7:51

Tgt Ion:165 Resp: 21458
Ion Ratio Lower Upper
165 100
63 1.8 45.8 68.8#
89 1.2 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: BG040898.D

Acq: 12 May 2019 7:51

Instrument :

BNA_G

ClientSampleId :

P026-SS012-1218-01

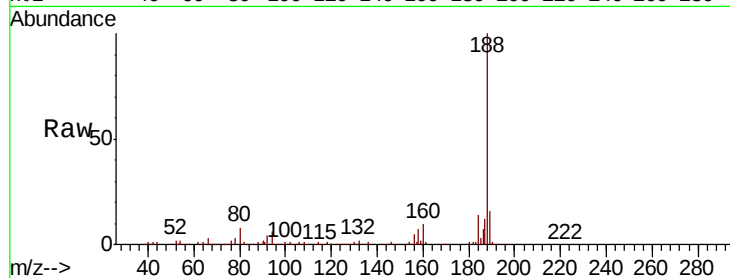
Tgt Ion:188 Resp: 430233

Ion Ratio Lower Upper

188 100

94 6.4 5.6 8.4

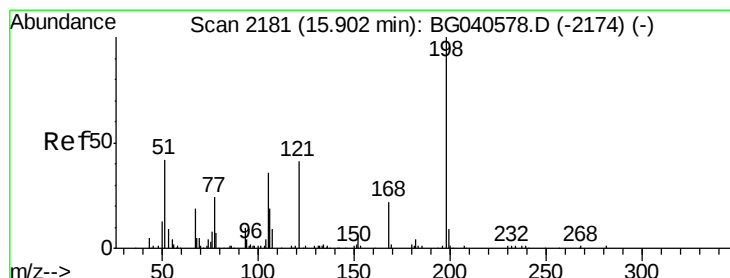
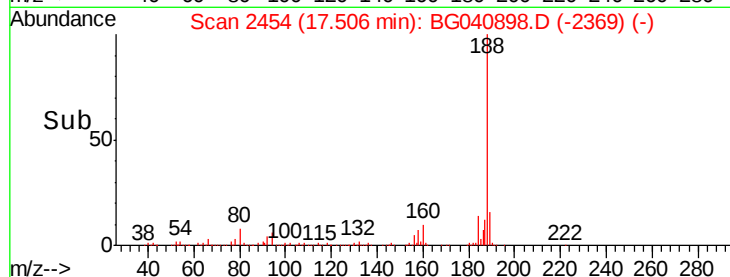
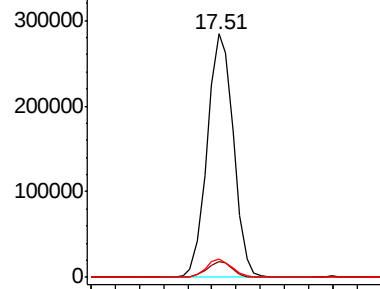
80 7.5 6.4 9.6



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: 7.572 ng

RT: 16.24 min Scan# 2239

Delta R.T. 0.34 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

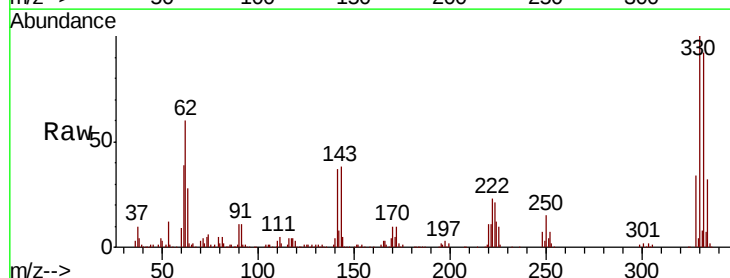
Tgt Ion:198 Resp: 1171

Ion Ratio Lower Upper

198 100

51 110.3 35.9 75.9#

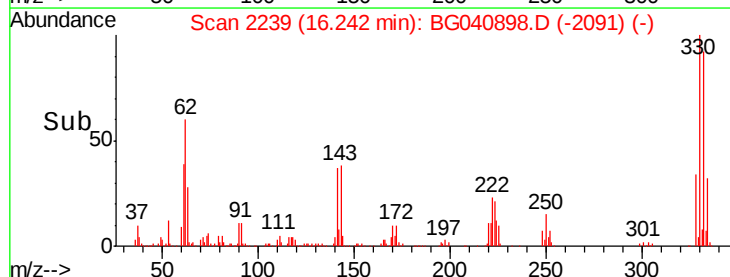
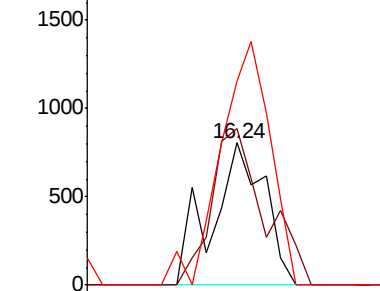
105 142.8 21.2 61.2#

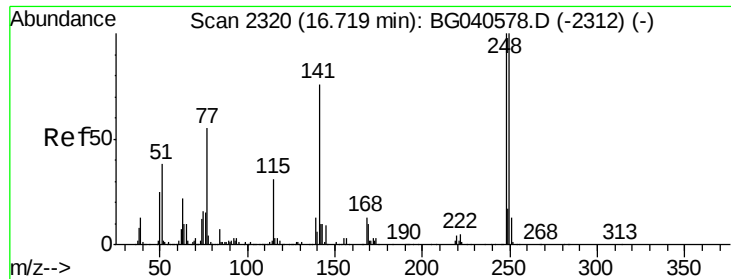


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

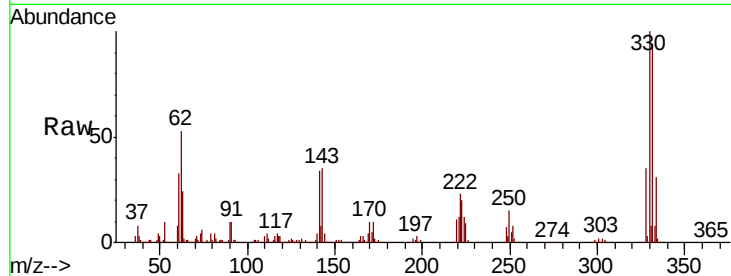




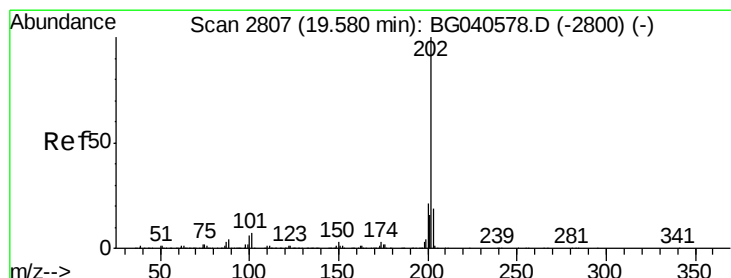
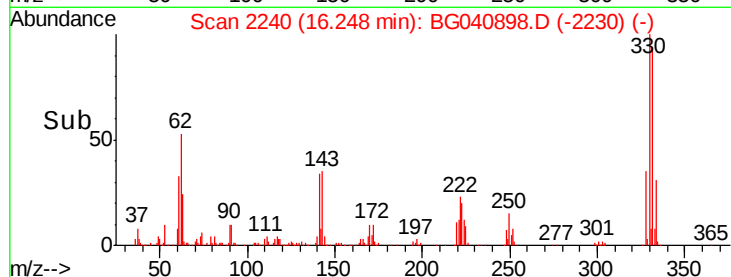
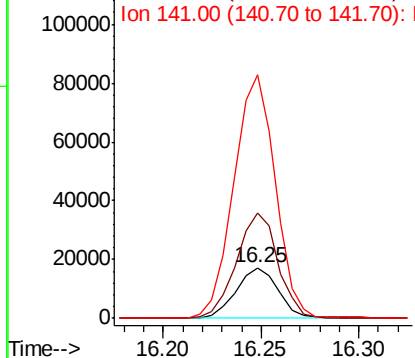
#67
 4-Bromophenyl-phenylether
 Concen: 4.738 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040898.D
 Acq: 12 May 2019 7:51

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS012-1218-01

Tgt Ion:248 Resp: 25396
 Ion Ratio Lower Upper
 248 100
 250 209.2 79.8 119.6#
 141 481.0 60.8 91.2#

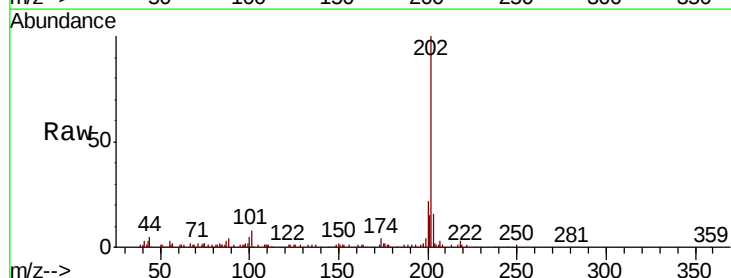


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

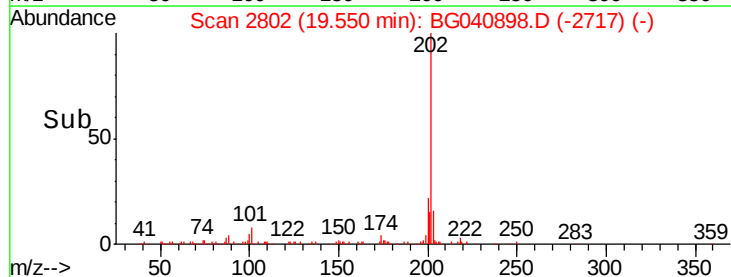
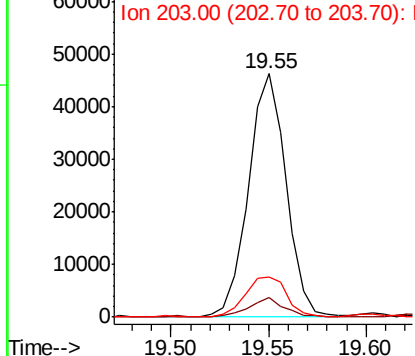


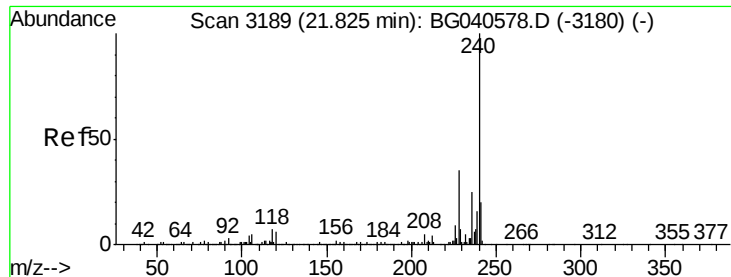
#75
 Fluoranthene
 Concen: 2.134 ng
 RT: 19.55 min Scan# 2802
 Delta R.T. -0.03 min
 Lab File: BG040898.D
 Acq: 12 May 2019 7:51

Tgt Ion:202 Resp: 61633
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 27.5
 203 16.3 0.0 39.3



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3183

Delta R.T. -0.04 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

Instrument :

BNA_G

ClientSampleId :

P026-SS012-1218-01

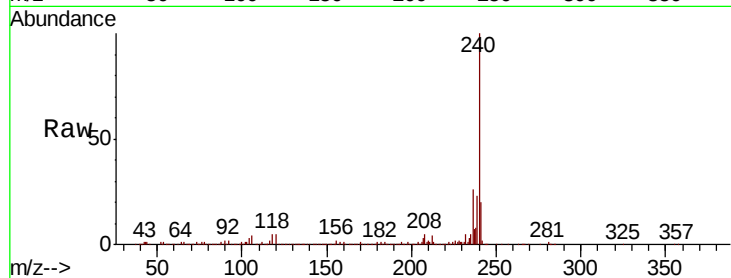
Tgt Ion:240 Resp: 430355

Ion Ratio Lower Upper

240 100

120 5.5 5.0 7.6

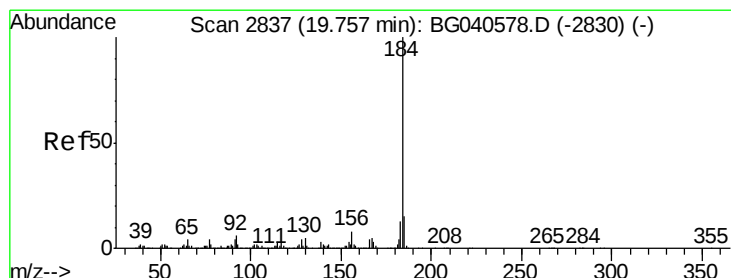
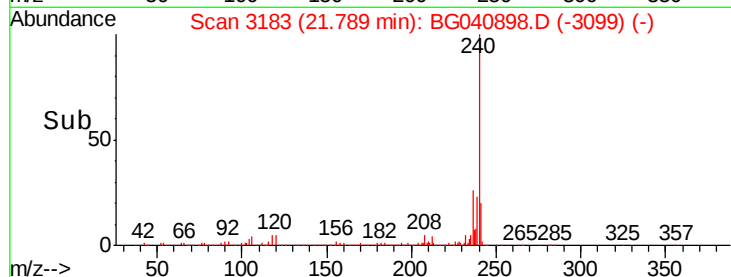
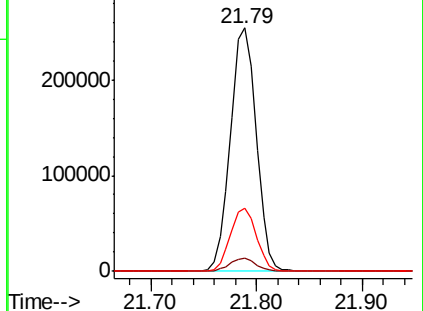
236 26.1 20.3 30.5



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



#77

Benzidine

Concen: 2.298 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

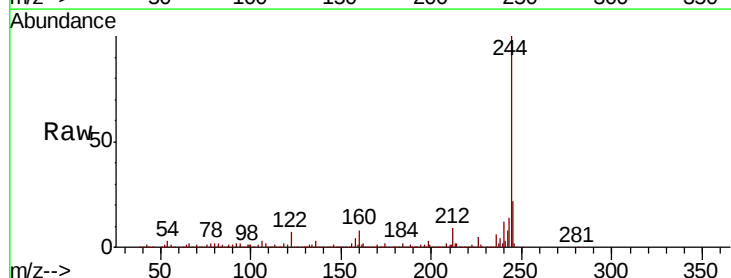
Tgt Ion:184 Resp: 27073

Ion Ratio Lower Upper

184 100

185 16.3 11.8 17.8

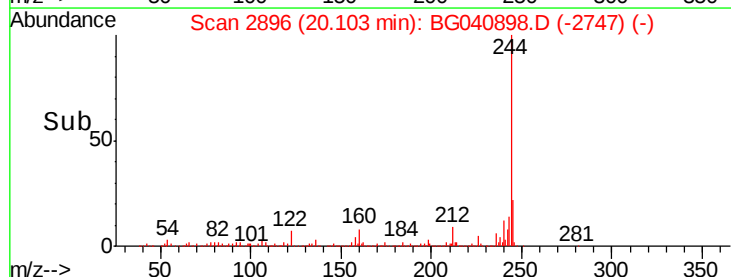
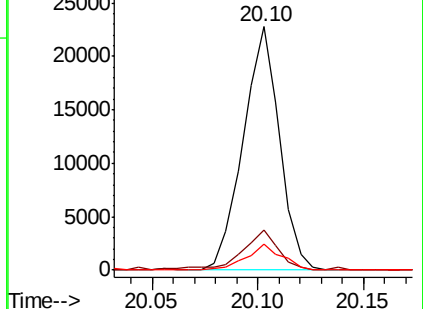
183 10.9 10.2 15.2

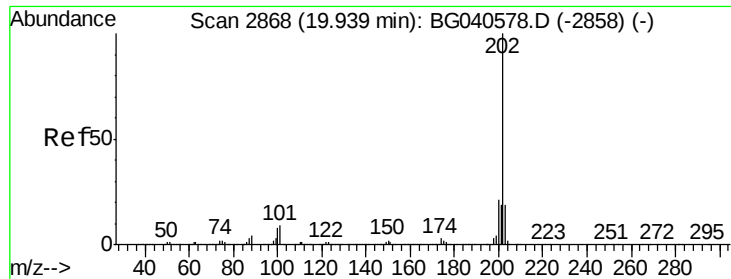


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pyrene

Concen: 4.088 ng

RT: 19.91 min Scan# 2864

Delta R.T. -0.02 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

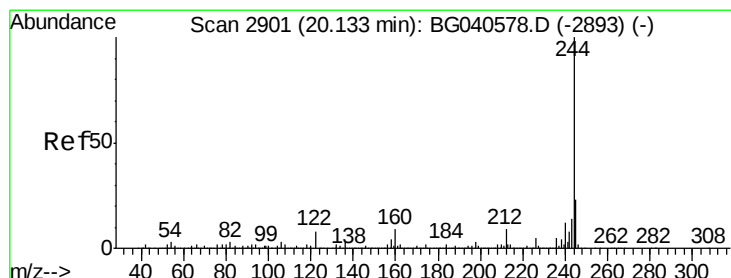
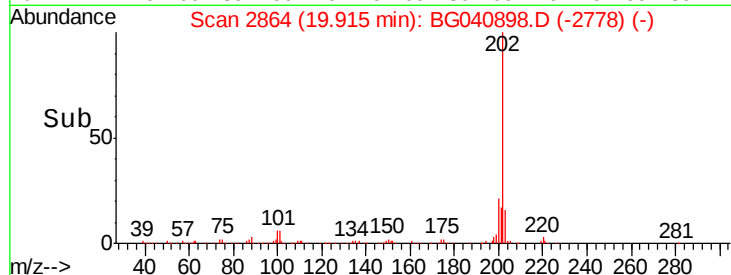
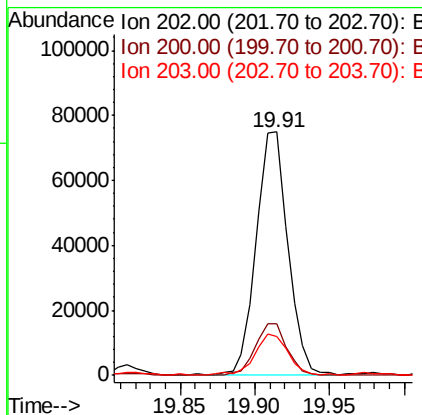
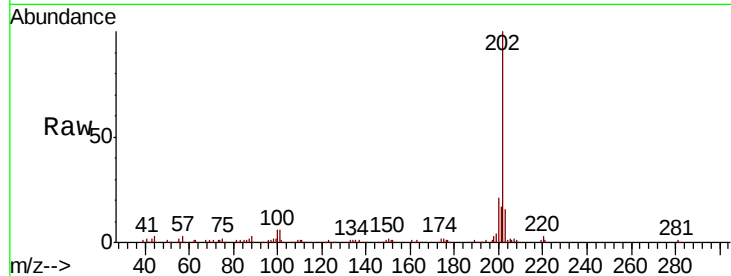
Instrument :

BNA_G

ClientSampleId :

P026-SS012-1218-01

Tgt Ion:	202	Resp:	110267
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	16.2	15.0	22.4



#79

Terphenyl-d14

Concen: 75.838 ng

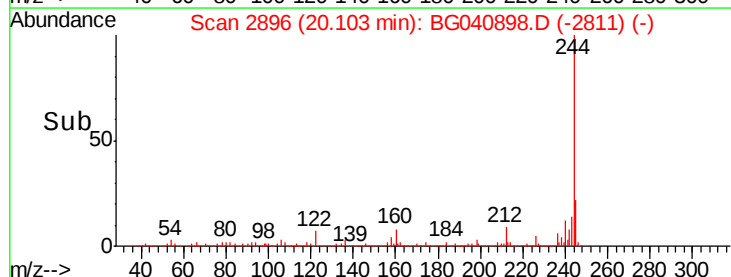
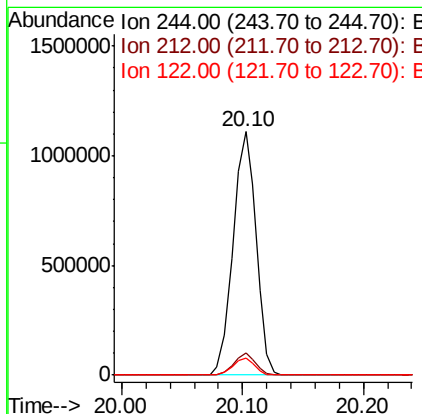
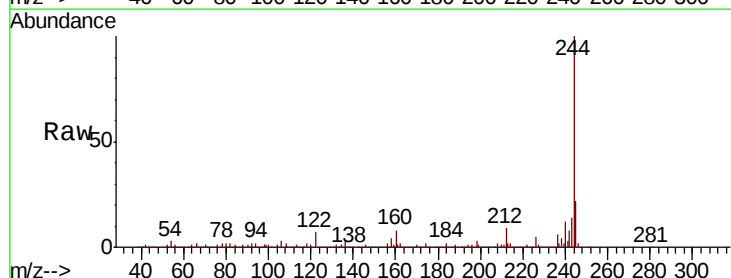
RT: 20.10 min Scan# 2896

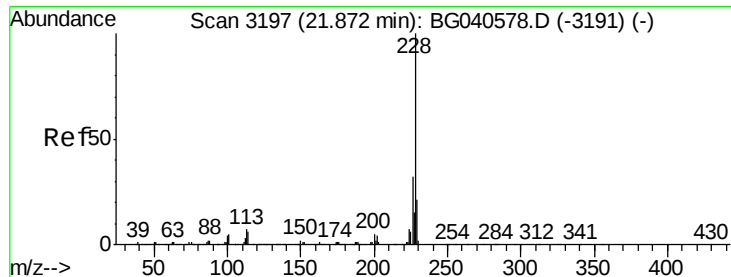
Delta R.T. -0.03 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

Tgt Ion:	244	Resp:	1473186
Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.2	10.8
122	7.2	6.6	10.0





#83

Chrysene

Concen: 2.100 ng

RT: 21.84 min Scan# 3191

Delta R.T. -0.04 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

Instrument :

BNA_G

ClientSampleId :

P026-SS012-1218-01

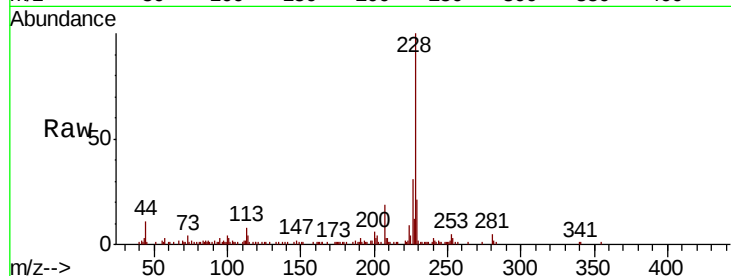
Tgt Ion:228 Resp: 54327

Ion Ratio Lower Upper

228 100

226 31.4 25.5 38.3

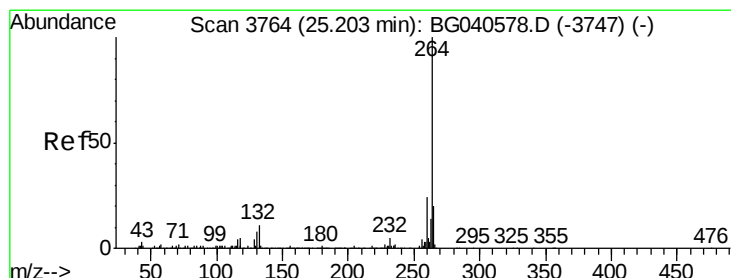
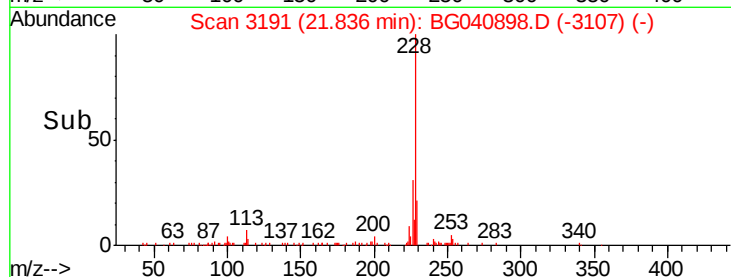
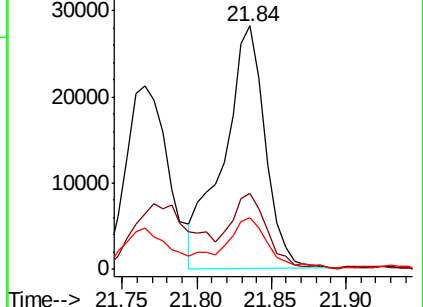
229 21.1 16.8 25.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.14 min Scan# 3753

Delta R.T. -0.07 min

Lab File: BG040898.D

Acq: 12 May 2019 7:51

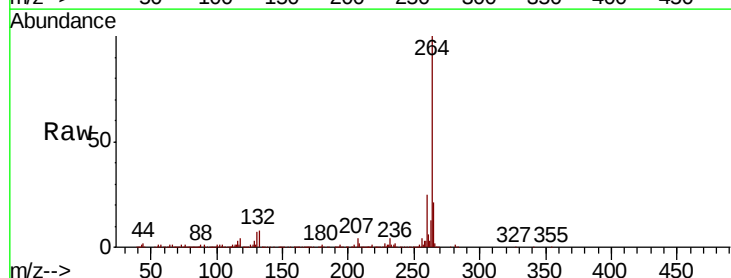
Tgt Ion:264 Resp: 472067

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.0 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

