

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044500.D
 Acq On : 19 Feb 2020 22:02
 Operator : CG/JU
 Sample : L1558-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 20 07:17:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

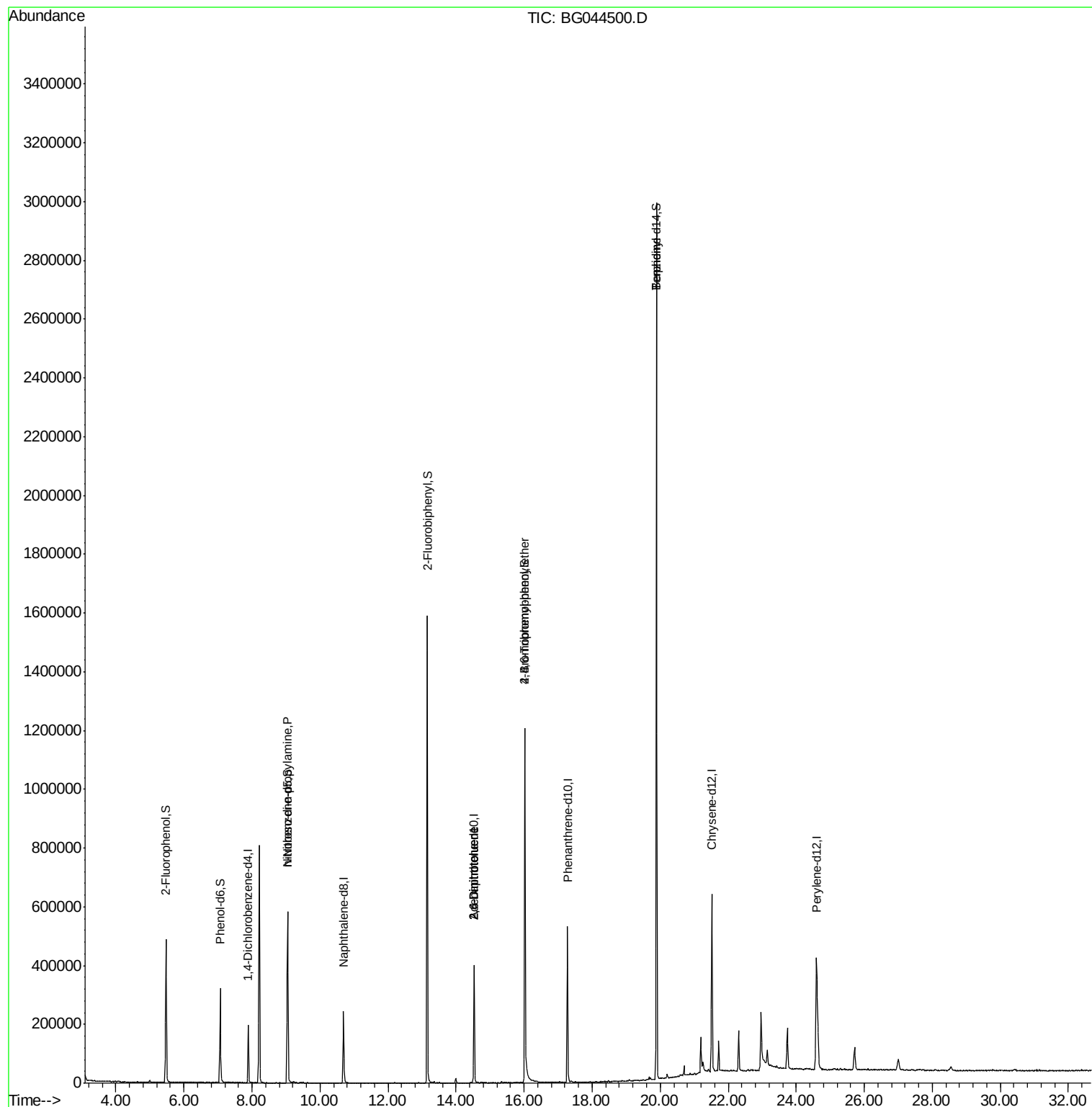
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	59899	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	234899	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	150628	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	356566	20.00	ng	-0.02
76) Chrysene-d12	21.52	240	373957	20.00	ng	-0.02
87) Perylene-d12	24.60	264	389542	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	259911	76.58	ng	-0.01
7) Phenol-d6	7.07	99	219066	48.07	ng	-0.01
23) Nitrobenzene-d5	9.05	82	390831	93.93	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	293682	166.08	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	881064	97.95	ng	-0.01
79) Terphenyl-d14	19.89	244	1458931	80.25	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	50178	16.520	ng	# 74
51) 2,6-Dinitrotoluene	14.53	165	19665	8.146	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	19665	5.812	ng	# 28
67) 4-Bromophenyl-phenylether	16.02	248	19664	5.062	ng	# 1
77) Benzidine	19.89	184	22266	2.147	ng	# 91

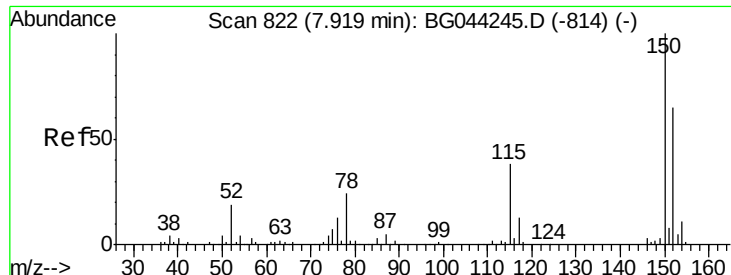
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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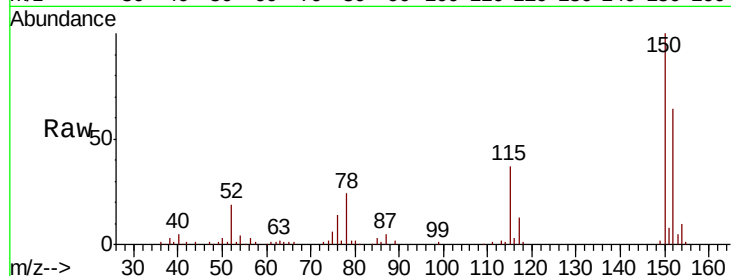


#1

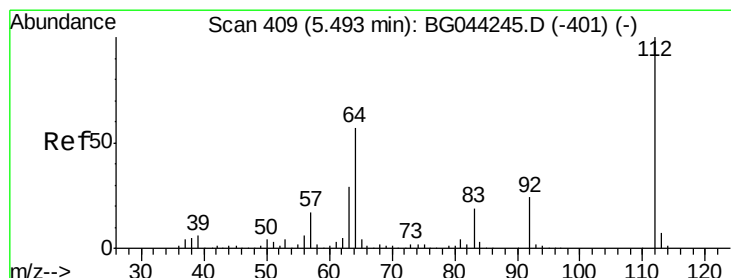
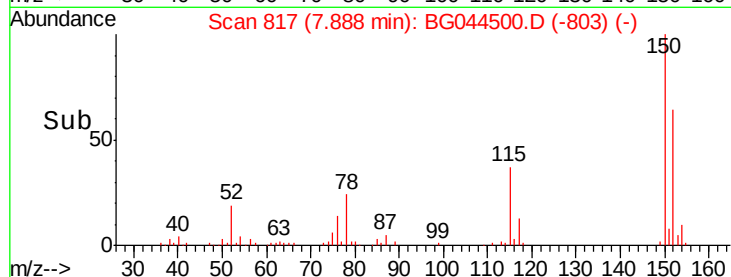
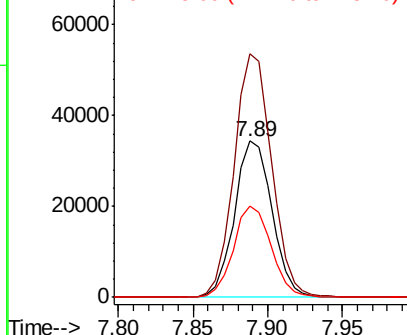
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.6	183.8
115	58.0	46.0	69.0



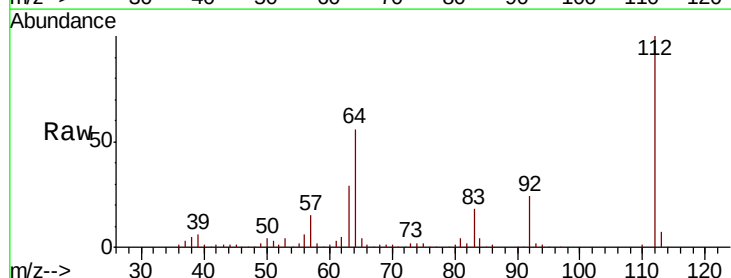
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



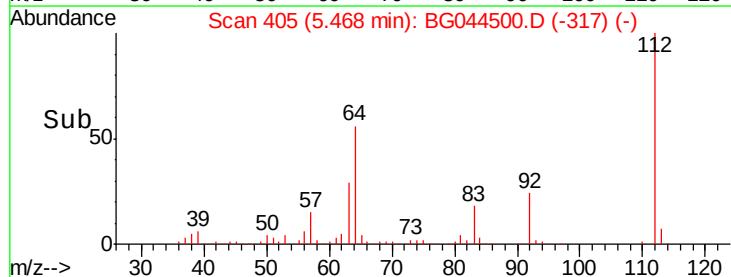
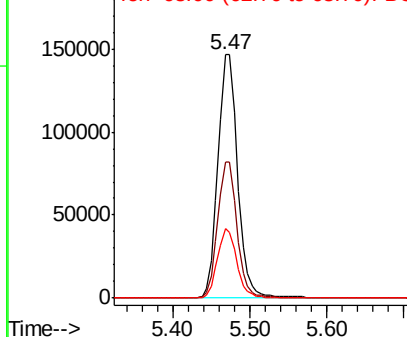
#5

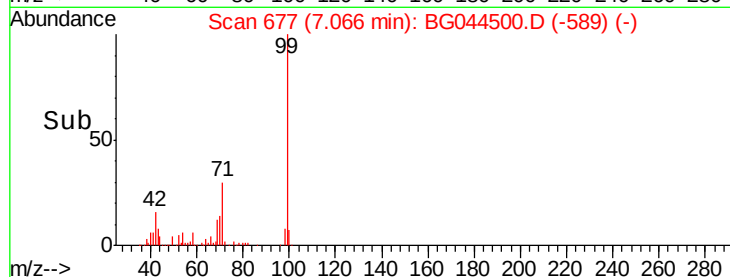
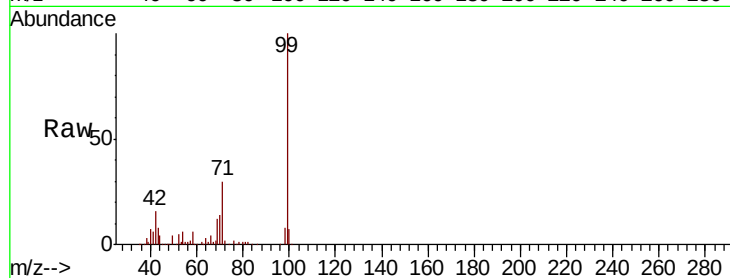
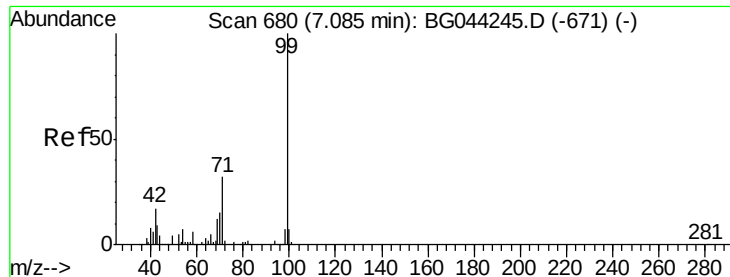
2-Fluorophenol
Concen: 76.579 ng
RT: 5.47 min Scan# 405
Delta R.T. -0.01 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.2
63	28.5	22.9	34.3



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: 48.066 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044500.D

Acq: 19 Feb 2020 22:02

Instrument :

BNA_G

ClientSampleId :

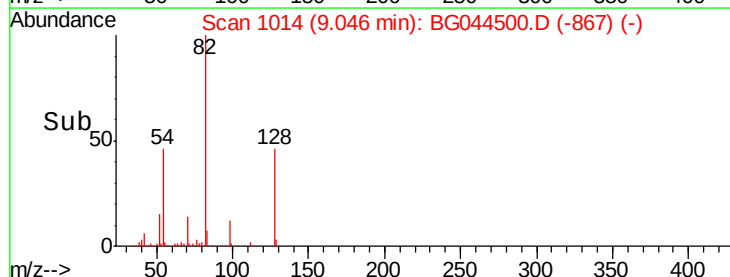
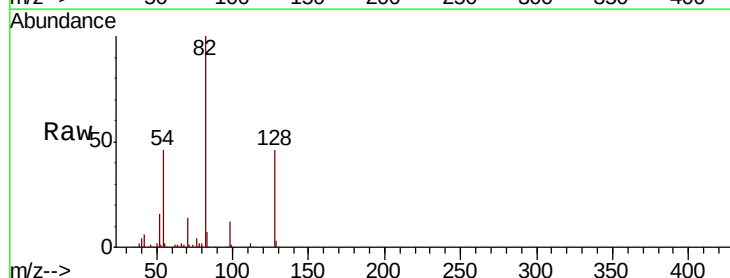
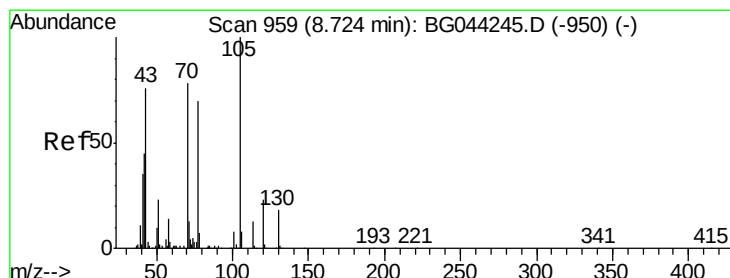
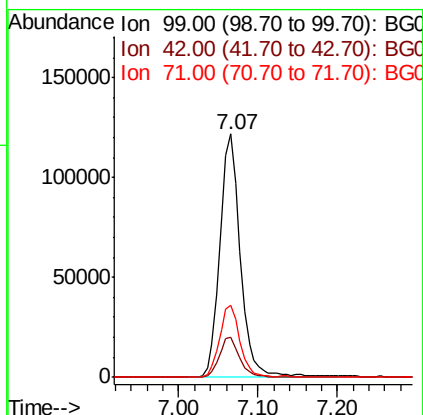
Tot Ion: 99 Resp: 219066

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.6

71 29.5 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.520 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.34 min

Lab File: BG044500.D

Acq: 19 Feb 2020 22:02

Tgt Ion: 70 Resp: 50178

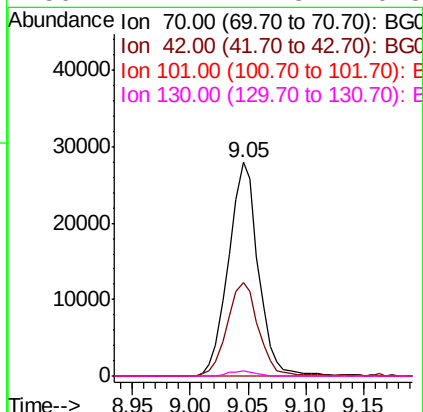
Ion Ratio Lower Upper

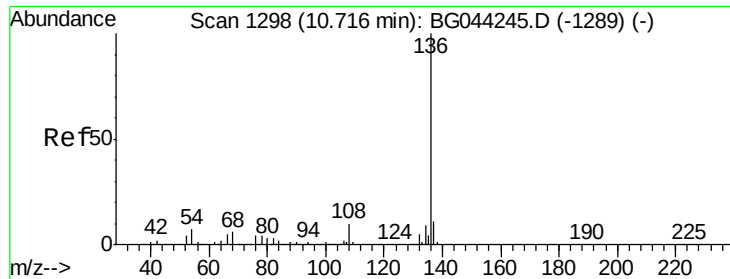
70 100

42 43.7 46.2 69.2#

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#

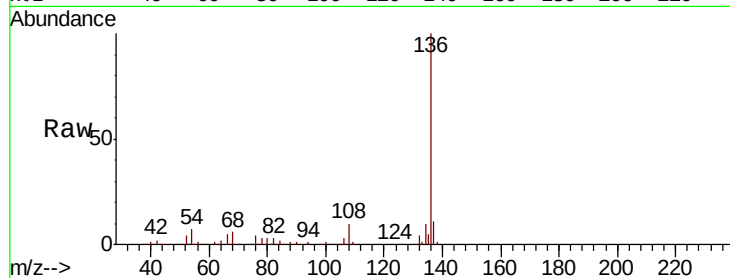




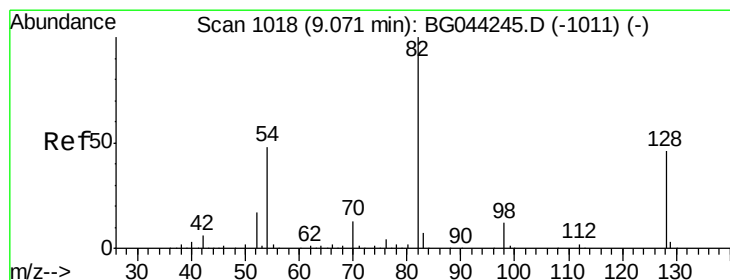
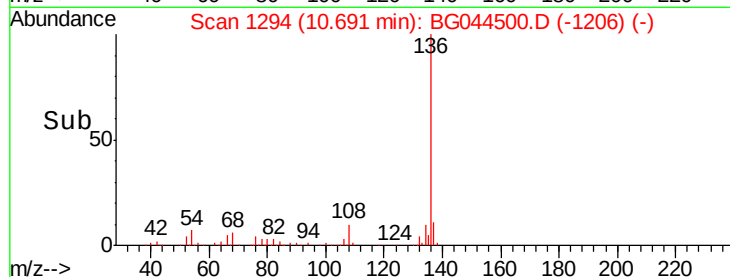
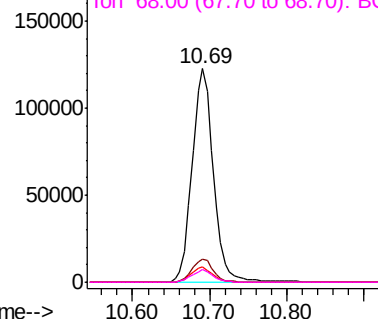
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	234899
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.3	5.8	8.8
68	6.2	4.6	6.8

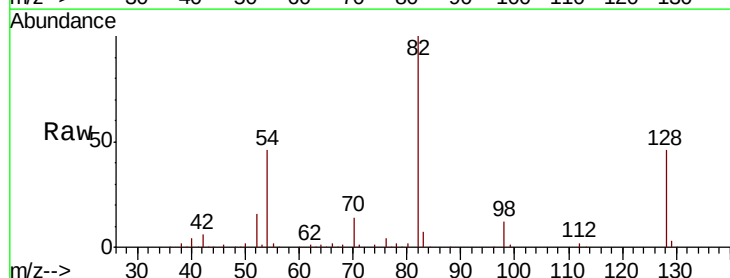


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

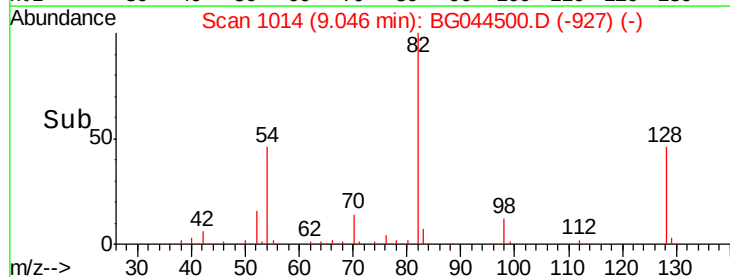
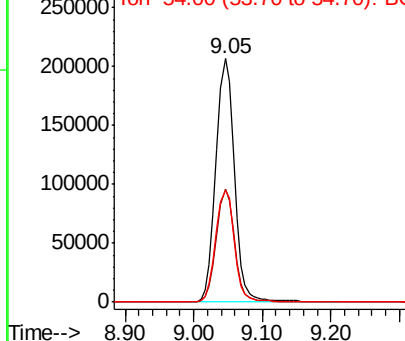


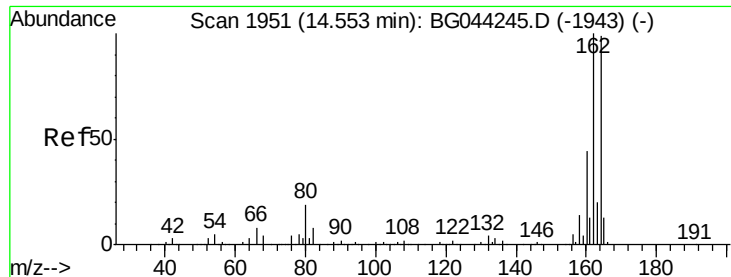
#23
Nitrobenzene-d5
Concen: 93.933 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Tgt Ion:	82	Resp:	390831
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	45.9	38.6	58.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044500.D

Acq: 19 Feb 2020 22:02

Instrument :

BNA_G

ClientSampleId :

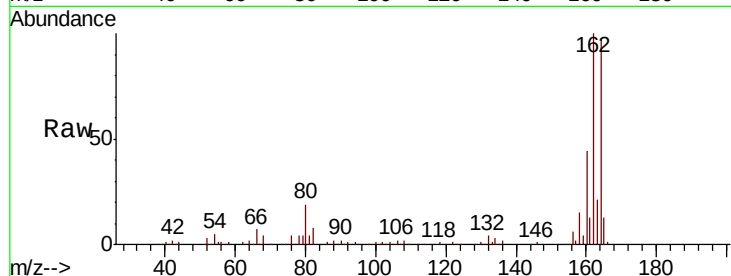
Tot Ion:164 Resp: 150628

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

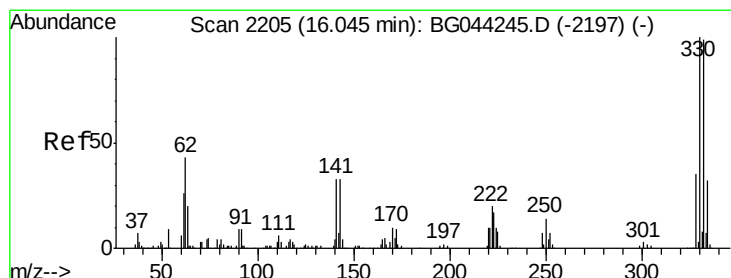
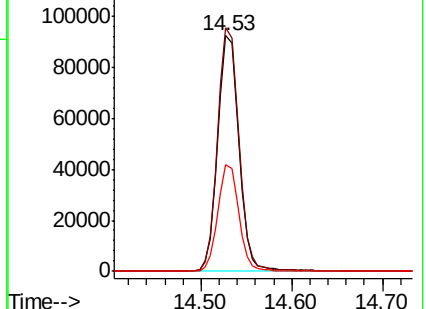
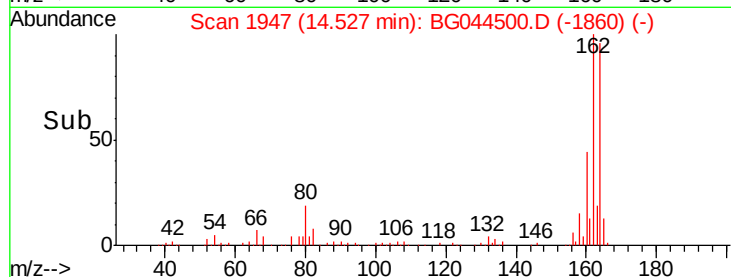
160 45.1 35.3 52.9



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: 166.083 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044500.D

Acq: 19 Feb 2020 22:02

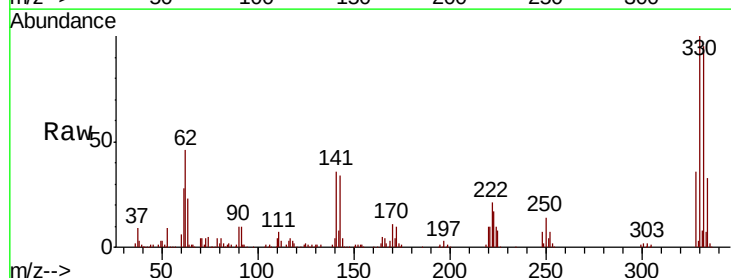
Tgt Ion:330 Resp: 293682

Ion Ratio Lower Upper

330 100

332 94.8 77.2 115.8

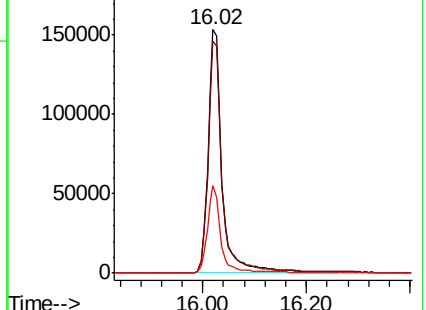
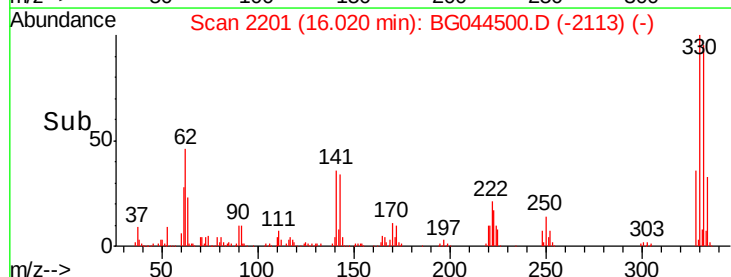
141 34.1 28.3 42.5

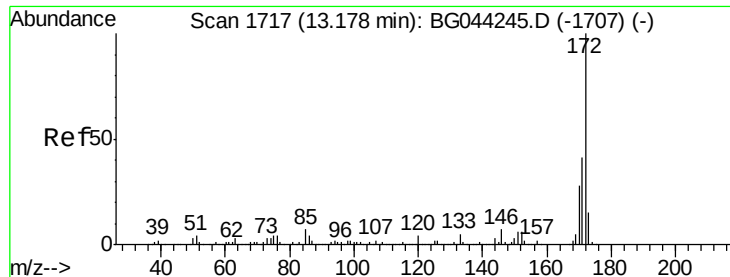


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

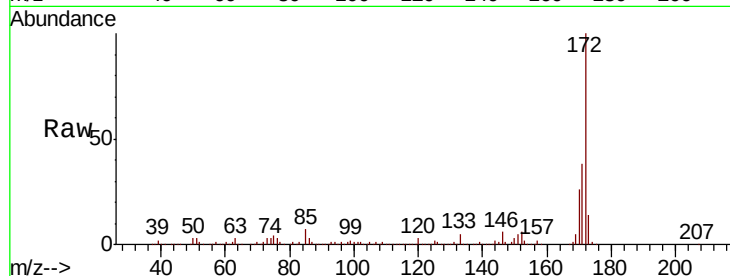




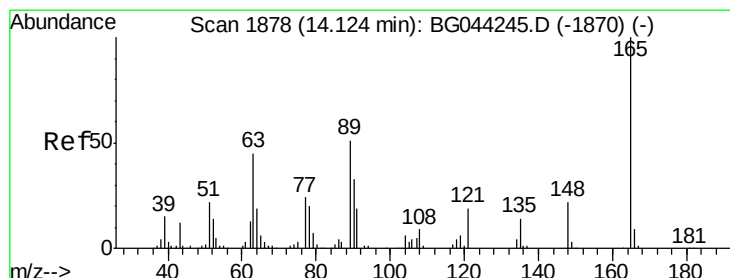
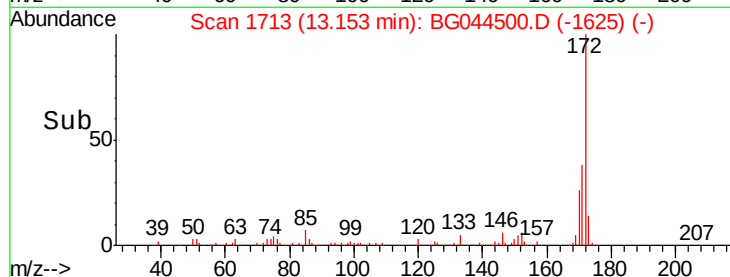
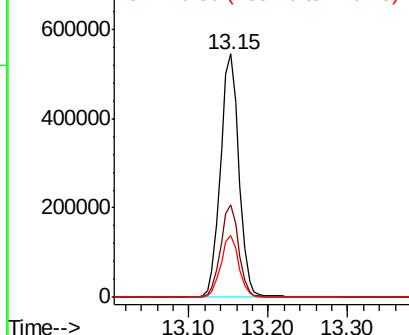
#45
2-Fluorobiphenyl
Concen: 97.949 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	32.9	49.3
170	25.6	22.0	33.0

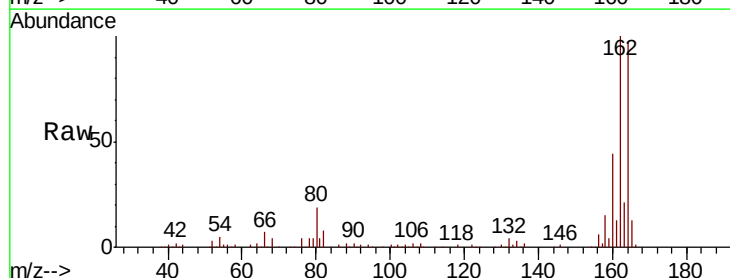


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

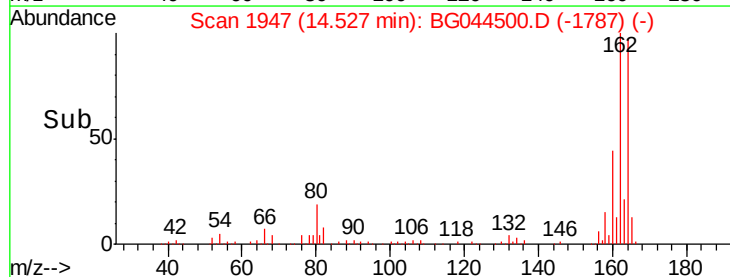
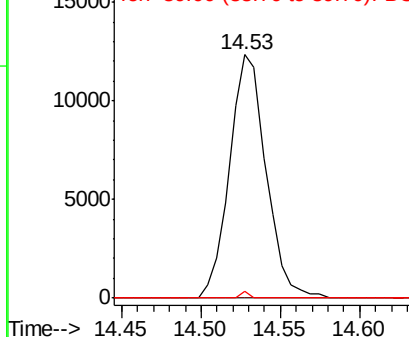


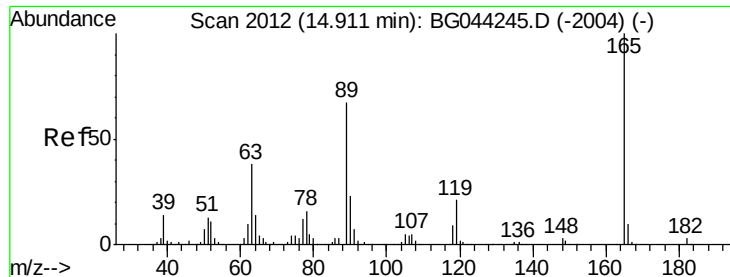
#51
2,6-Dinitrotoluene
Concen: 8.146 ng
RT: 14.53 min Scan# 1947
Delta R.T. 0.41 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	2.6	40.4	60.6#



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

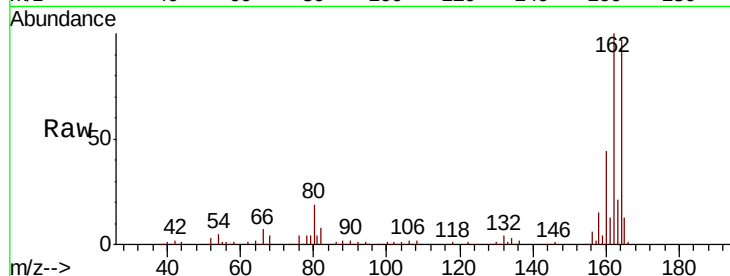




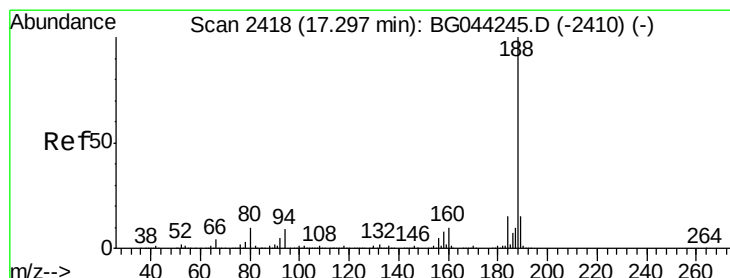
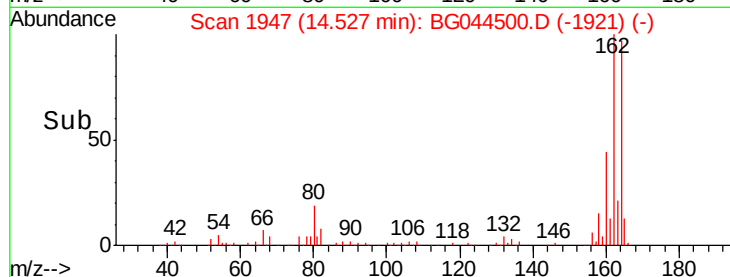
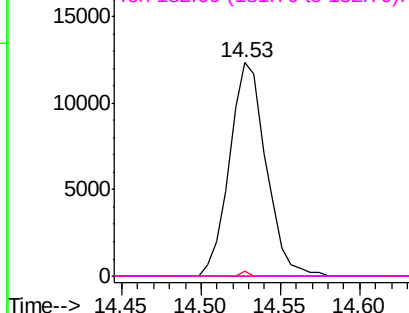
#57
 2,4-Dinitrotoluene
 Concen: 5.812 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.38 min
 Lab File: BG044500.D
 Acq: 19 Feb 2020 22:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	19665
Ion Ratio	Lower	Upper
165	100	
63	0.0	30.3 45.5#
89	2.6	53.4 80.2#
182	0.0	2.1 3.1#

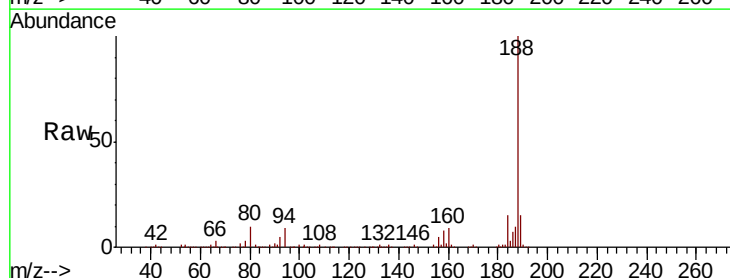


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

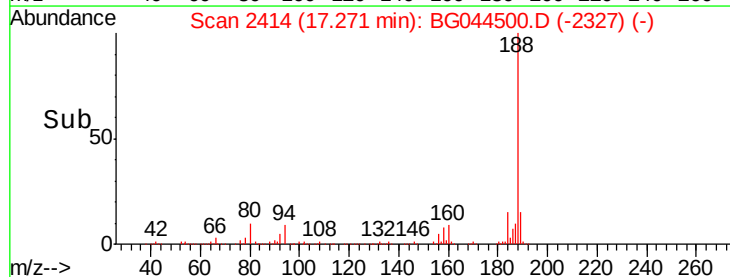
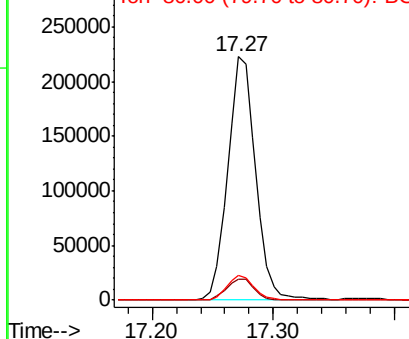


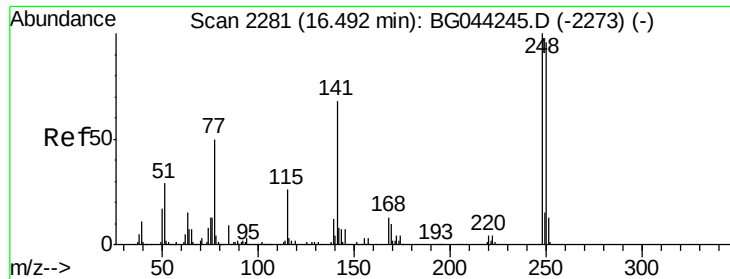
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.27 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BG044500.D
 Acq: 19 Feb 2020 22:02

Tgt Ion:188	Resp:	356566
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.4 11.2
80	10.1	7.7 11.5



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

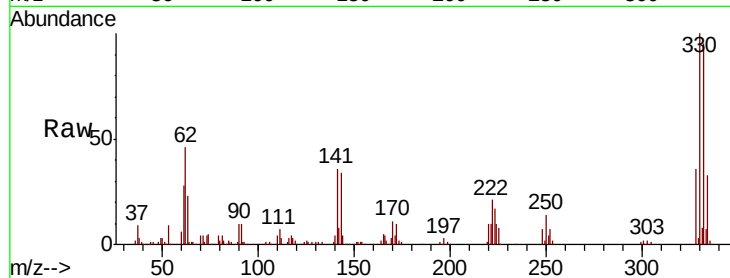




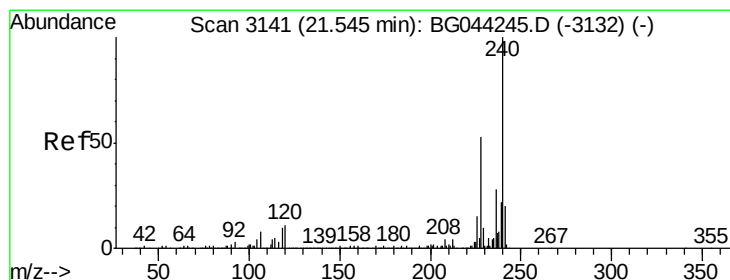
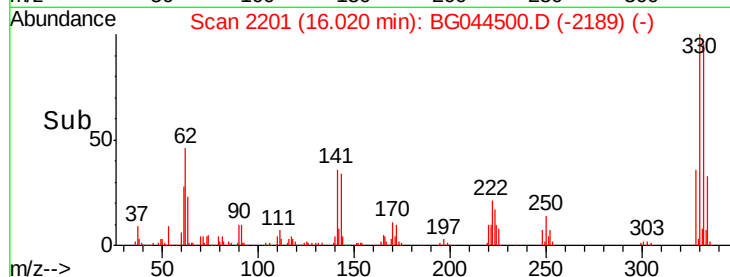
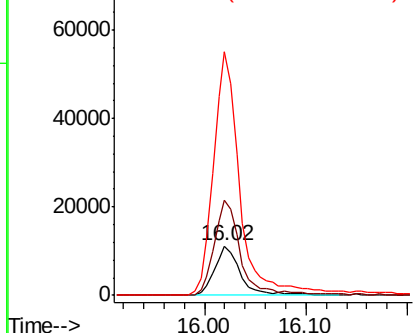
#67
4-Bromophenyl-phenylether
Concen: 5.062 ng
RT: 16.02 min Scan# 2201
Delta R.T. -0.46 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19664
Ion Ratio Lower Upper
248 100
250 192.1 76.6 114.8#
141 492.0 54.7 82.1#

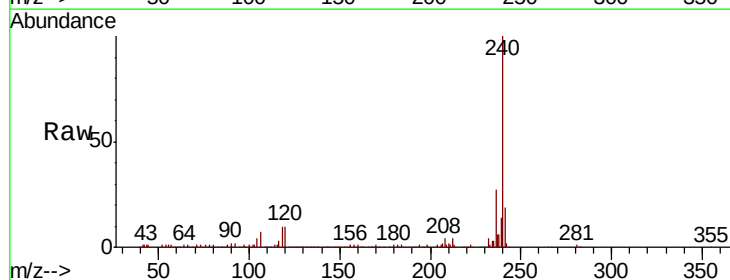


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

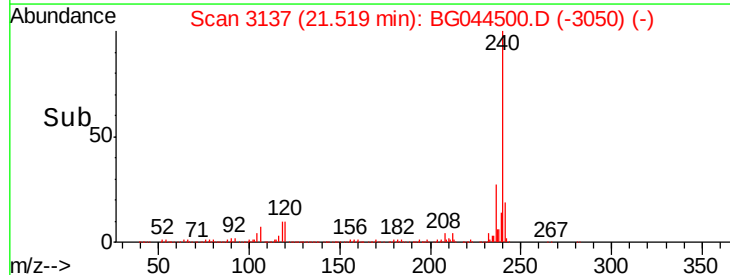
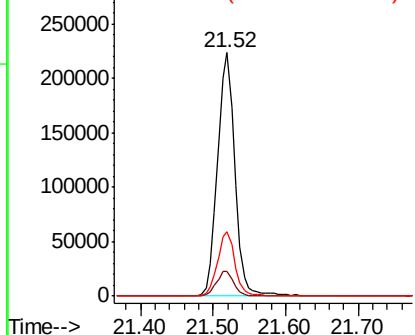


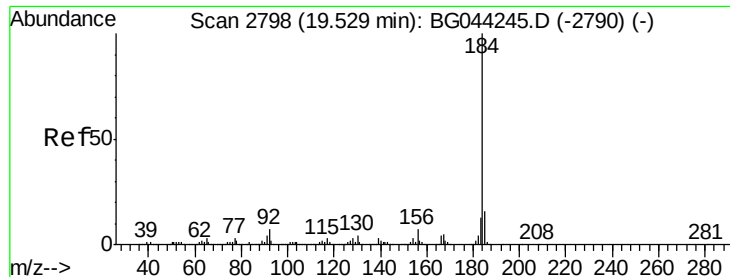
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Tgt Ion:240 Resp: 373957
Ion Ratio Lower Upper
240 100
120 10.0 8.4 12.6
236 26.6 22.1 33.1



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: 2.147 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.37 min

Lab File: BG044500.D

Acq: 19 Feb 2020 22:02

Instrument :

BNA_G

ClientSampleId :

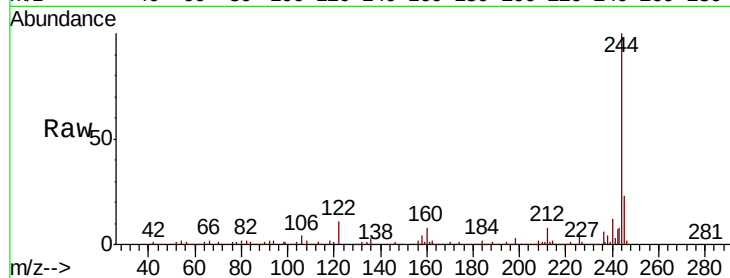
Tot Ion:184 Resp: 22266

Ion Ratio Lower Upper

184 100

185 17.3 12.9 19.3

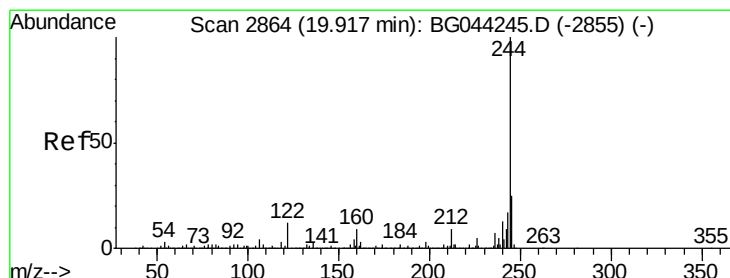
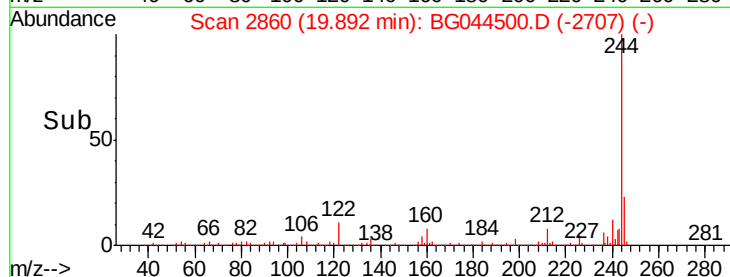
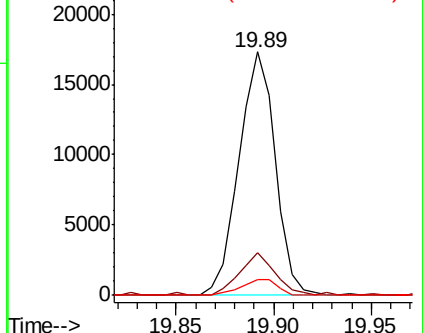
183 6.4 10.8 16.2#



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



#79

Terphenyl-d14

Concen: 80.245 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG044500.D

Acq: 19 Feb 2020 22:02

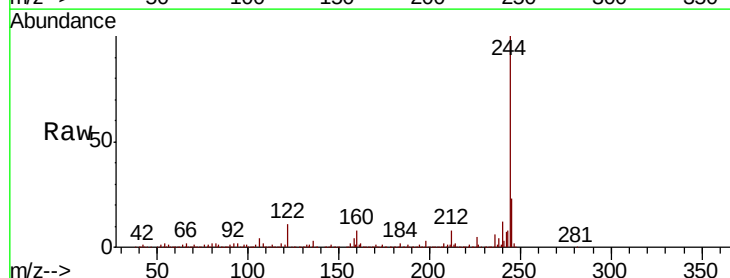
Tgt Ion:244 Resp: 1458931

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.2

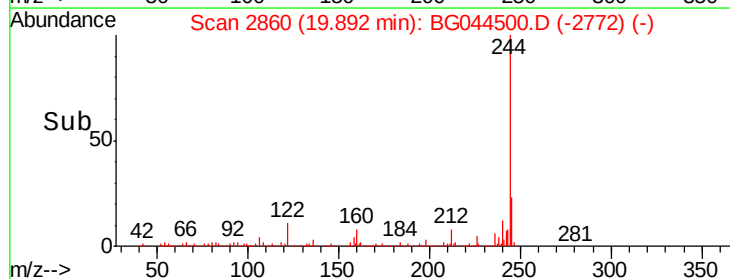
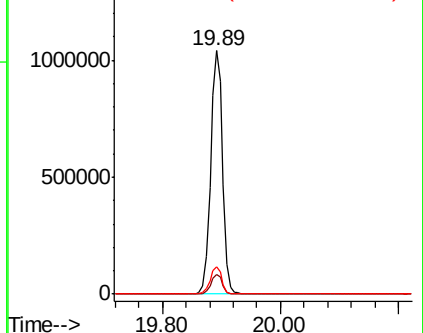
122 11.4 9.8 14.6

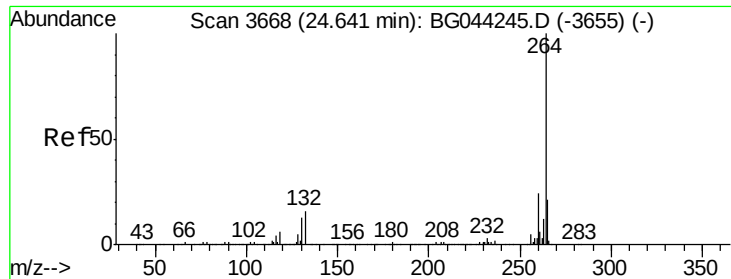


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.60 min Scan# 3661
Delta R.T. -0.02 min
Lab File: BG044500.D
Acq: 19 Feb 2020 22:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.8	16.7	25.1

