

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044479.D
 Acq On : 18 Feb 2020 19:19
 Operator : CG/JU
 Sample : L1544-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 19 01:20:00 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

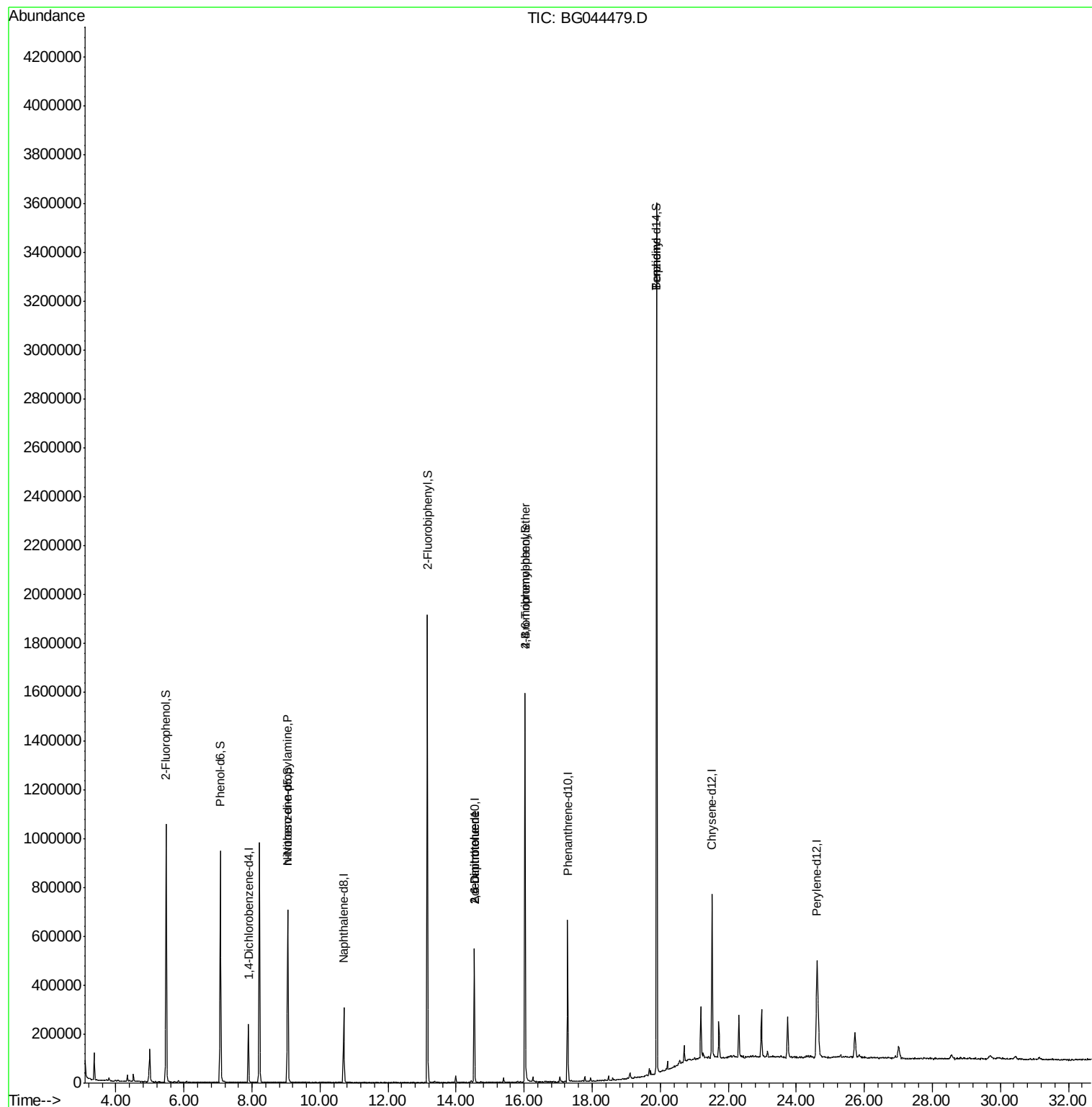
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	69045	20.00	ng	-0.01
21) Naphthalene-d8	10.70	136	293914	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	202215	20.00	ng	-0.01
64) Phenanthrene-d10	17.28	188	434560	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	396724	20.00	ng	-0.01
87) Perylene-d12	24.61	264	429745	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	515364	131.73	ng	0.00
7) Phenol-d6	7.07	99	618367	117.70	ng	0.00
23) Nitrobenzene-d5	9.05	82	464001	89.13	ng	-0.01
42) 2,4,6-Tribromophenol	16.02	330	330308	139.14	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	1079911	89.43	ng	0.00
79) Terphenyl-d14	19.90	244	1673784	86.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.05	70	59687	17.047	ng	# 75
51) 2,6-Dinitrotoluene	14.53	165	25854	7.977	ng	# 29
57) 2,4-Dinitrotoluene	14.53	165	25854	5.692	ng	# 26
67) 4-Bromophenyl-phenylether	16.02	248	21824	4.610	ng	# 1
77) Benzidine	19.90	184	27684	2.516	ng	# 91

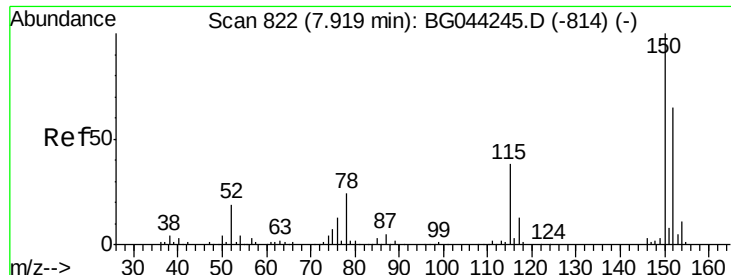
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration



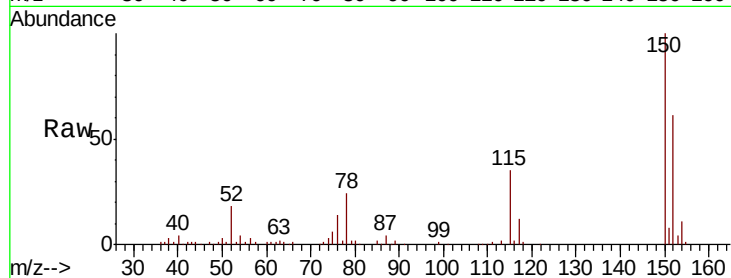


#1

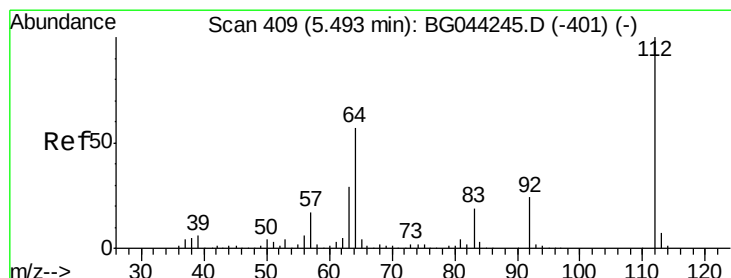
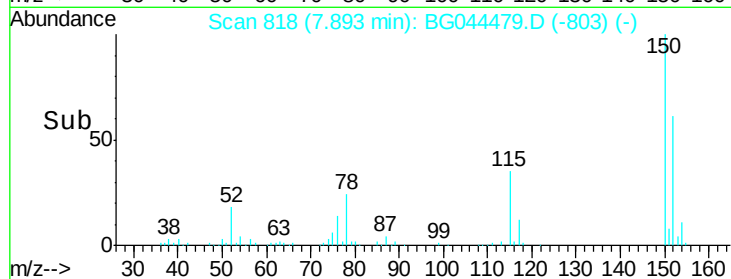
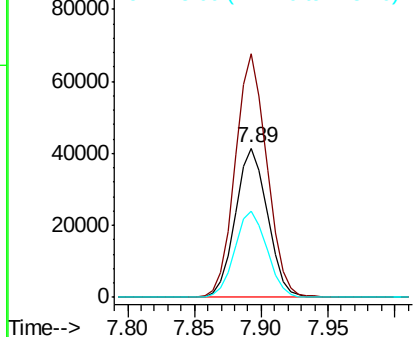
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 69045
Ion Ratio Lower Upper
152 100
150 163.4 122.6 183.8
115 57.6 46.0 69.0



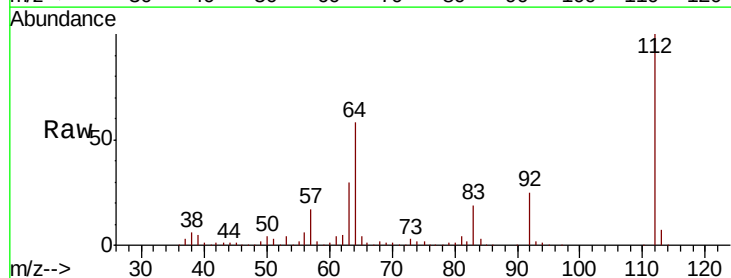
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



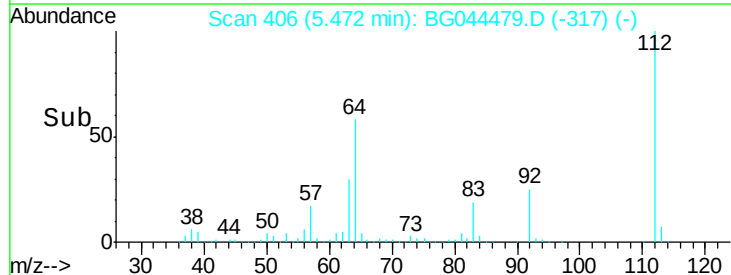
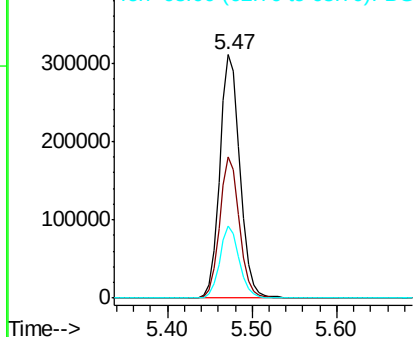
#5

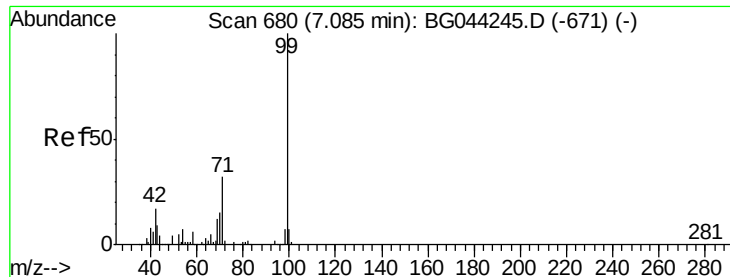
2-Fluorophenol
Concen: 131.731 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

Tgt Ion:112 Resp: 515364
Ion Ratio Lower Upper
112 100
64 57.8 45.4 68.2
63 29.6 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.704 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG044479.D

Acq: 18 Feb 2020 19:19

Instrument :

BNA_G

ClientSampleId :

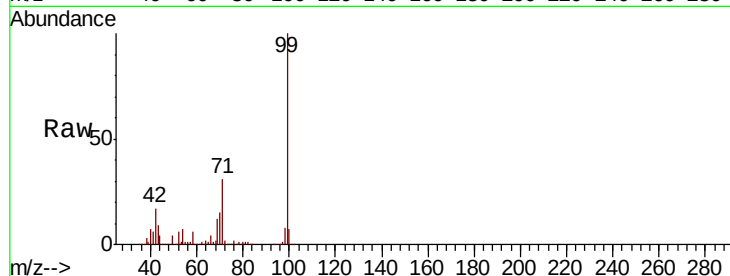
Tot Ion: 99 Resp: 618367

Ion Ratio Lower Upper

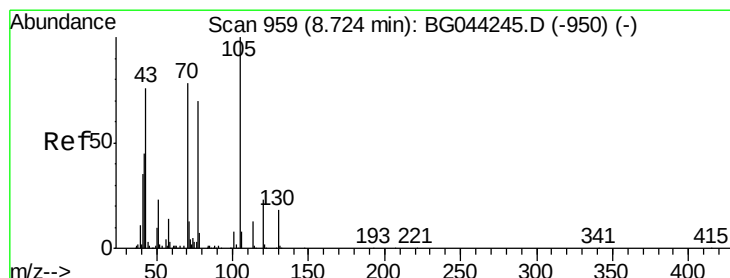
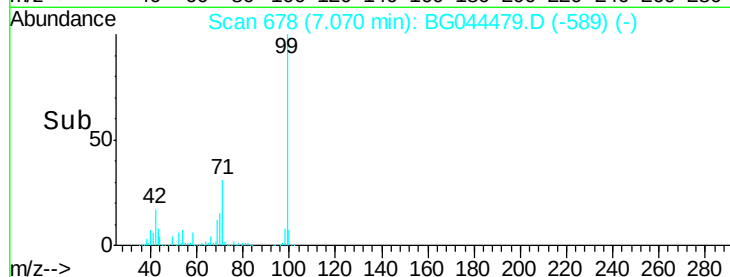
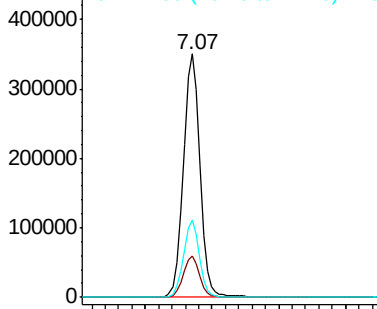
99 100

42 17.1 13.8 20.6

71 31.5 25.5 38.3



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: 17.047 ng

RT: 9.05 min Scan# 1015

Delta R.T. 0.34 min

Lab File: BG044479.D

Acq: 18 Feb 2020 19:19

Tgt Ion: 70 Resp: 59687

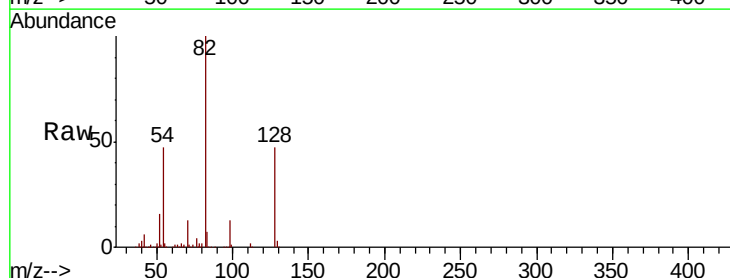
Ion Ratio Lower Upper

70 100

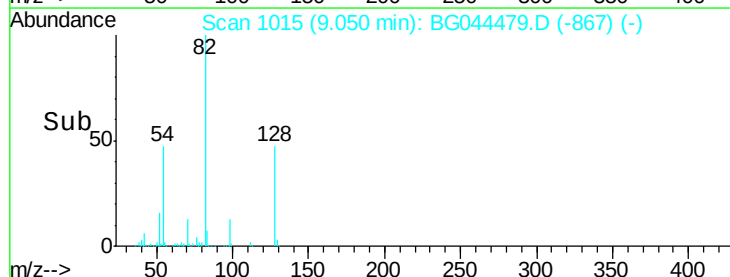
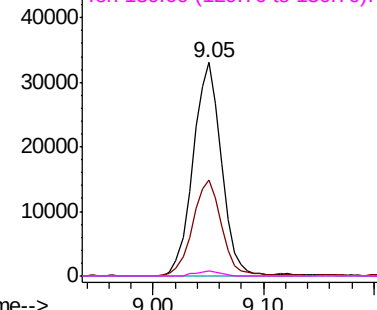
42 45.0 46.2 69.2#

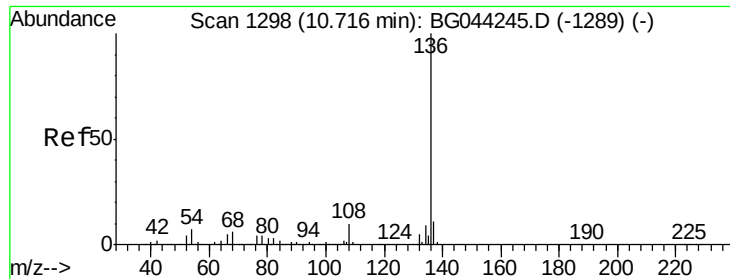
101 0.0 8.4 12.6#

130 2.1 17.8 26.8#



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

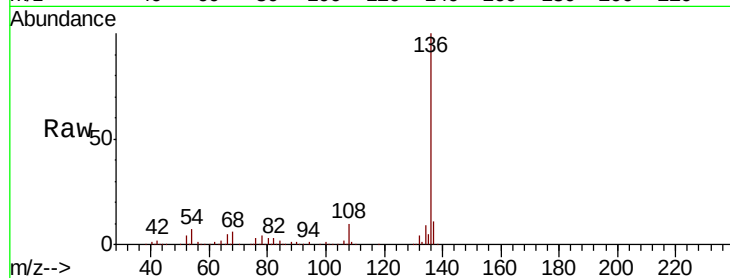




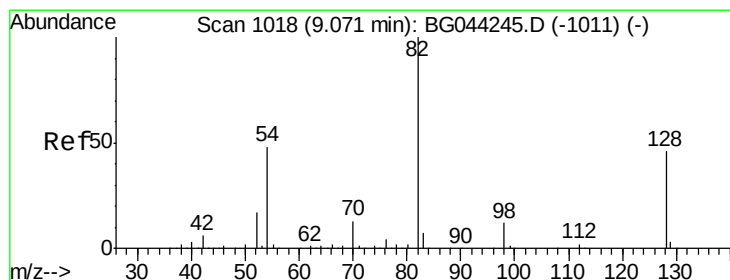
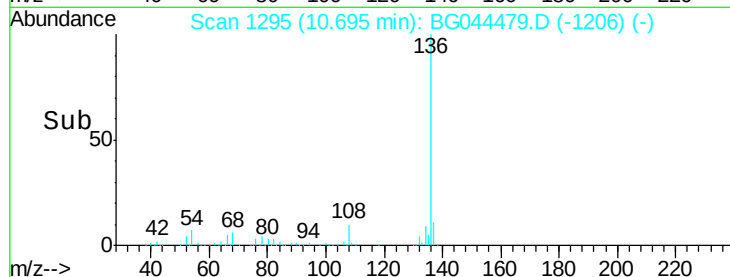
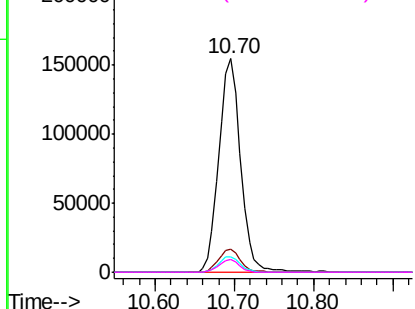
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	293914
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 7.2	5.8	8.8
68 5.8	4.6	6.8

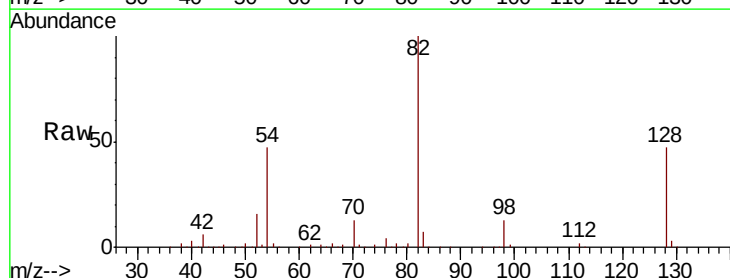


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

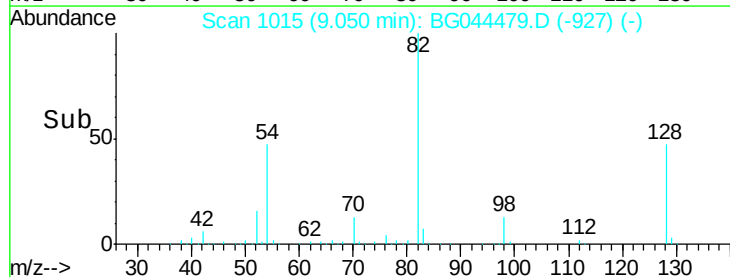
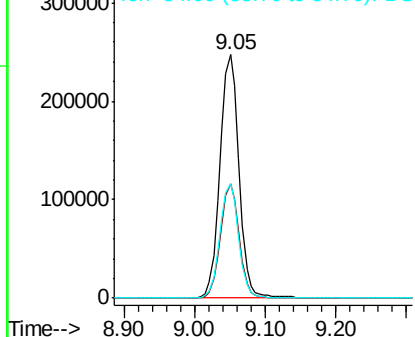


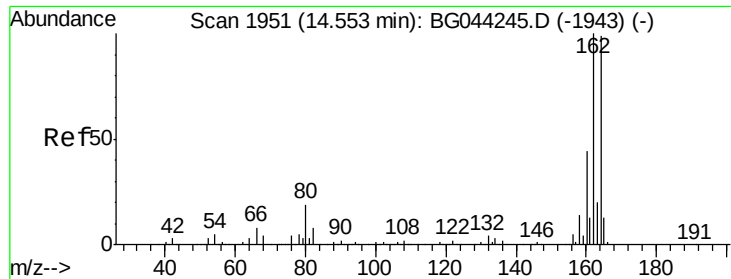
#23
Nitrobenzene-d5
Concen: 89.127 ng
RT: 9.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

Tgt Ion: 82	Resp: 464001
Ion Ratio	Lower Upper
82 100	
128 47.0	36.5 54.7
54 46.9	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

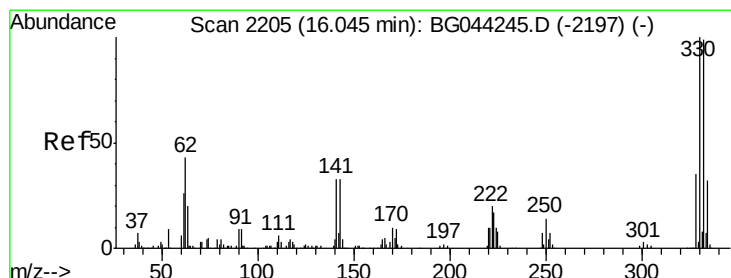
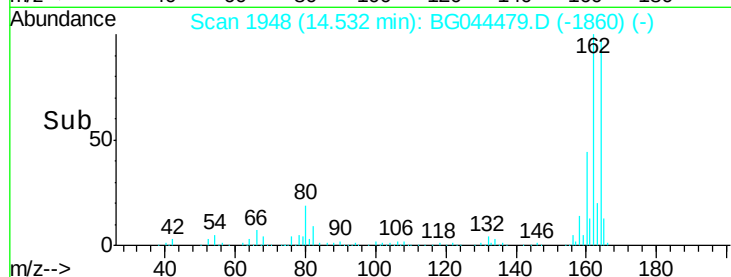
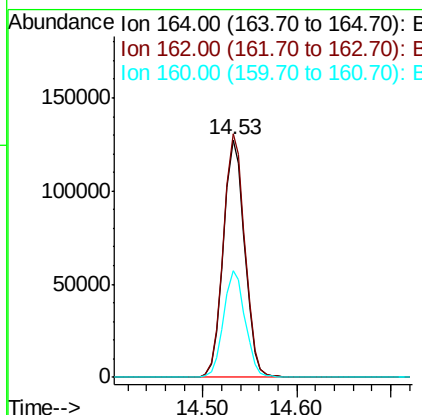
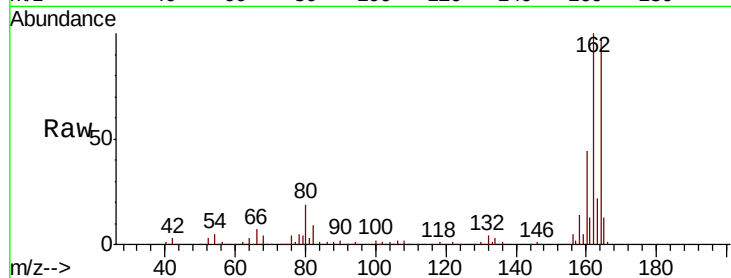




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

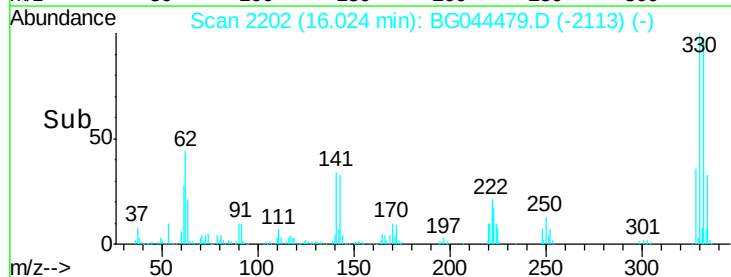
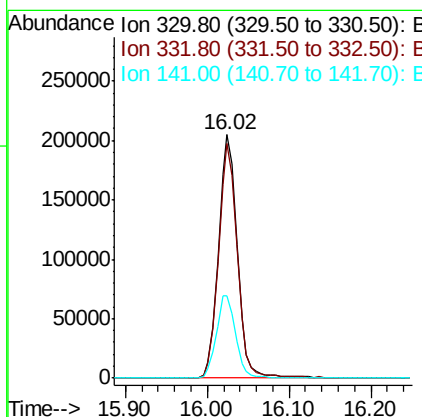
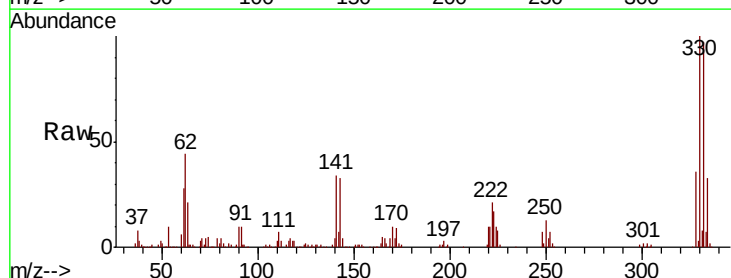
Instrument :
BNA_G
ClientSampleId :

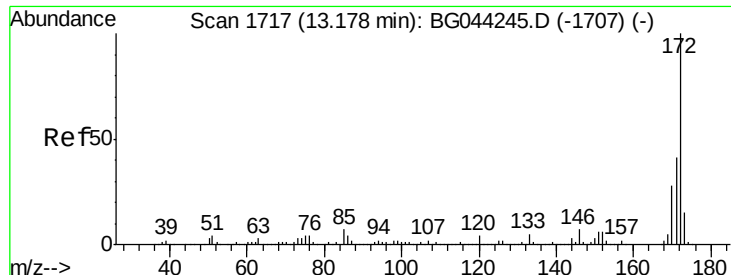
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.7	121.1
160	45.1	35.3	52.9



#42
2,4,6-Tribromophenol
Concen: 139.142 ng
RT: 16.02 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	35.1	28.3	42.5



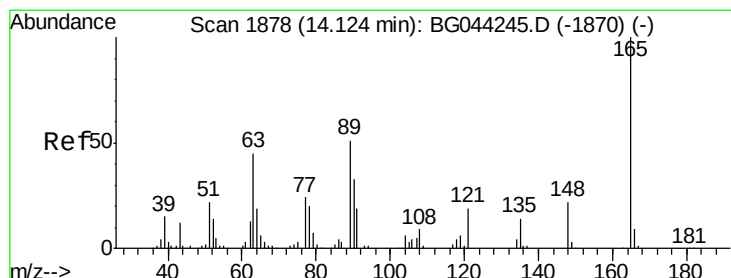
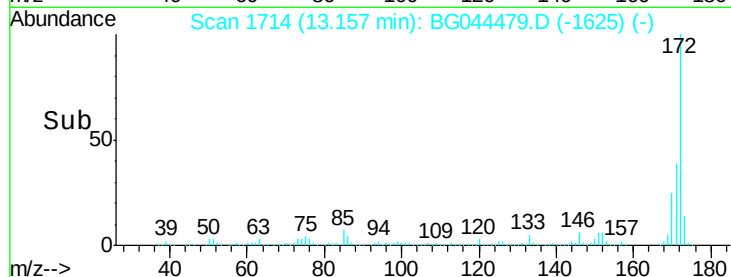
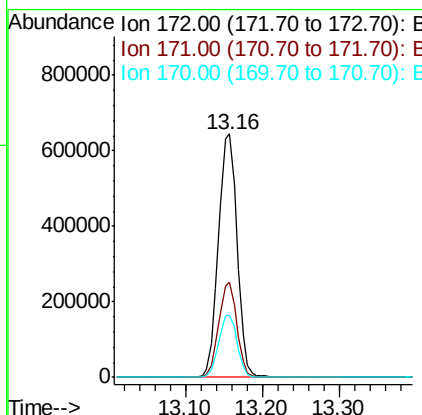
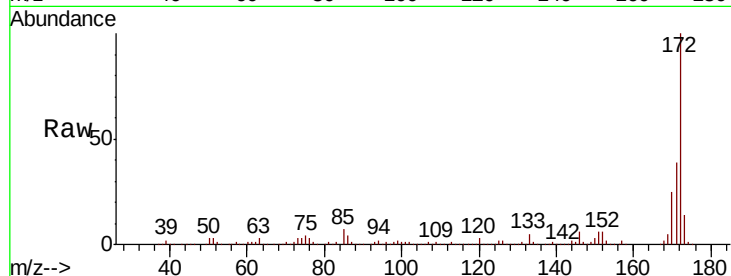


#45
 2-Fluorobiphenyl
 Concen: 89.428 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG044479.D
 Acq: 18 Feb 2020 19:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1079911

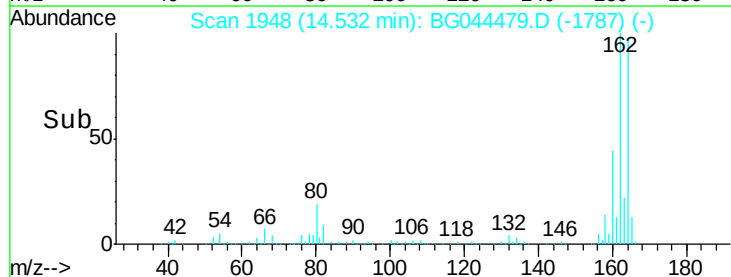
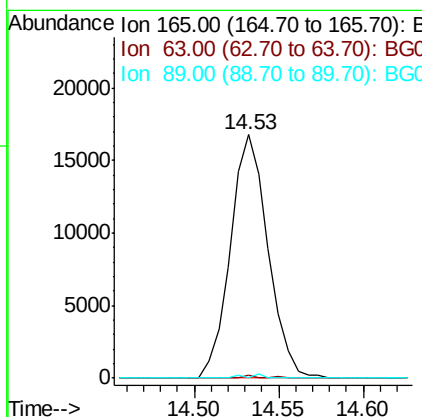
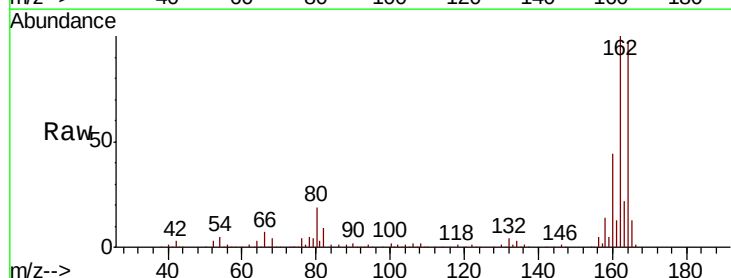
Ion	Ratio	Lower	Upper
172	100		
171	39.3	32.9	49.3
170	25.4	22.0	33.0

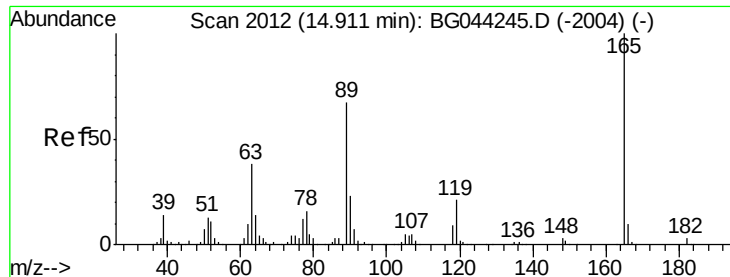


#51
 2,6-Dinitrotoluene
 Concen: 7.977 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG044479.D
 Acq: 18 Feb 2020 19:19

Tgt Ion:165 Resp: 25854

Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.7	58.1#
89	0.0	40.4	60.6#

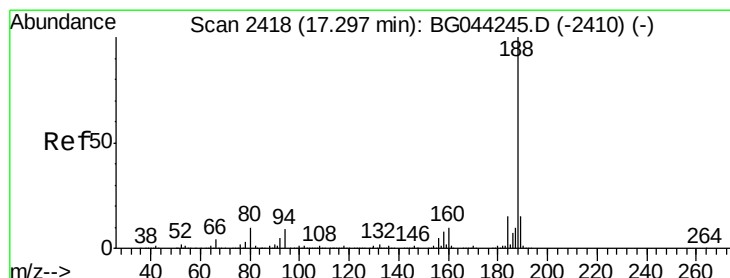
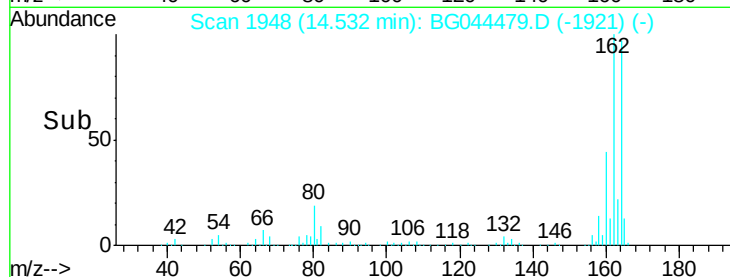
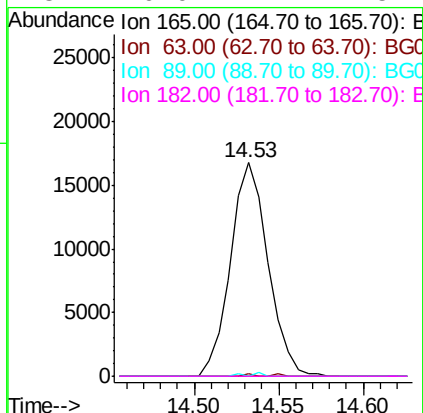
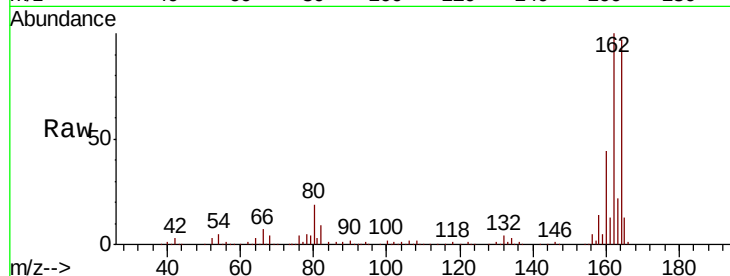




#57
 2,4-Dinitrotoluene
 Concen: 5.692 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG044479.D
 Acq: 18 Feb 2020 19:19

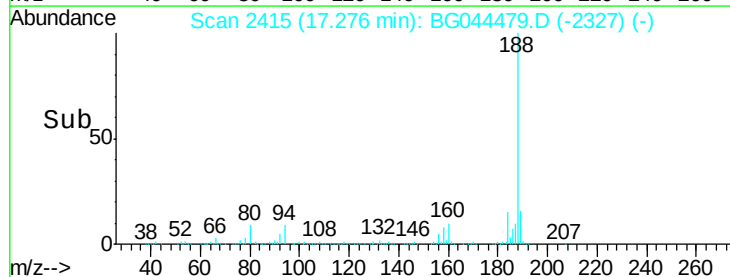
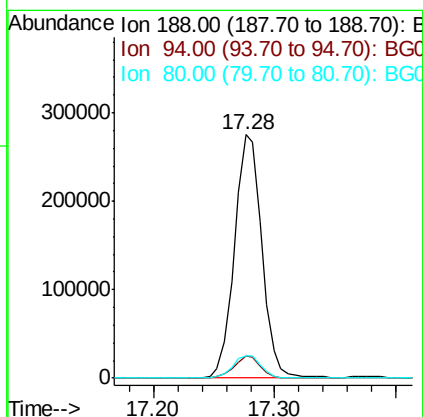
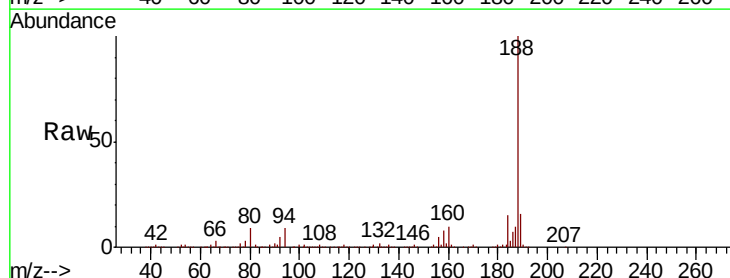
Instrument :
 BNA_G
 ClientSampled :

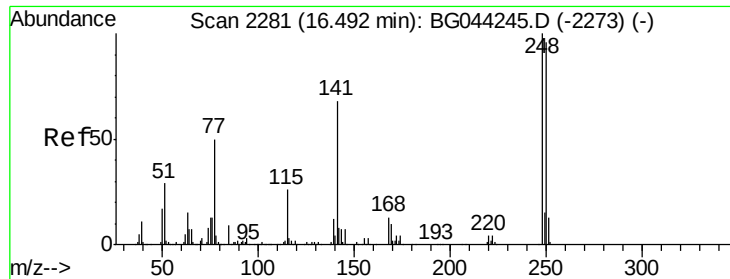
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.3	45.5#
89	0.0	53.4	80.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG044479.D
 Acq: 18 Feb 2020 19:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.2	7.7	11.5

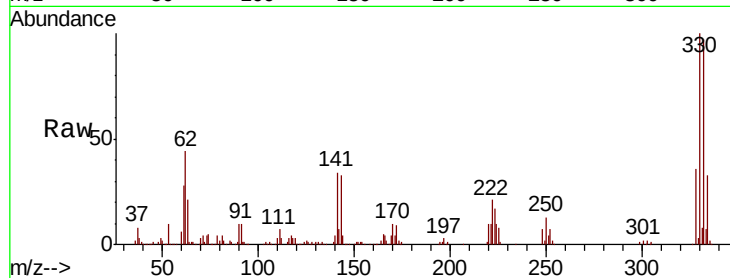




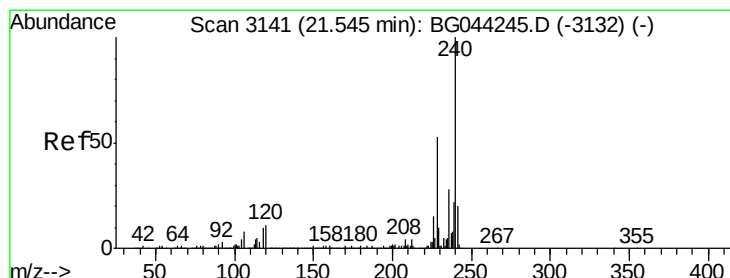
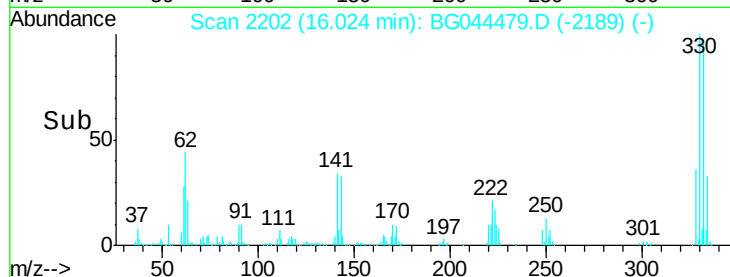
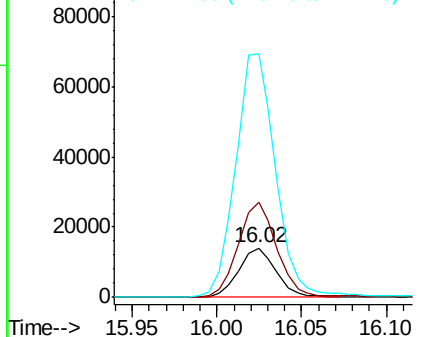
#67
 4-Bromophenyl-phenylether
 Concen: 4.610 ng
 RT: 16.02 min Scan# 2202
 Delta R.T. -0.45 min
 Lab File: BG044479.D
 Acq: 18 Feb 2020 19:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 21824
 Ion Ratio Lower Upper
 248 100
 250 193.0 76.6 114.8#
 141 496.1 54.7 82.1#

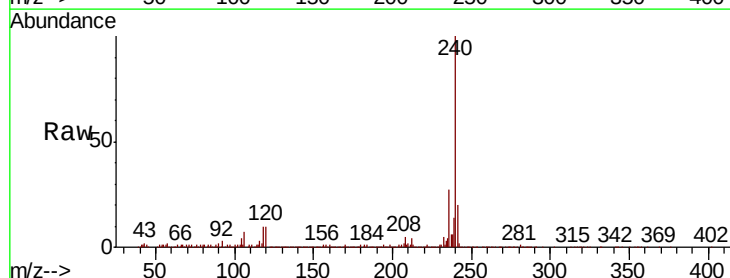


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

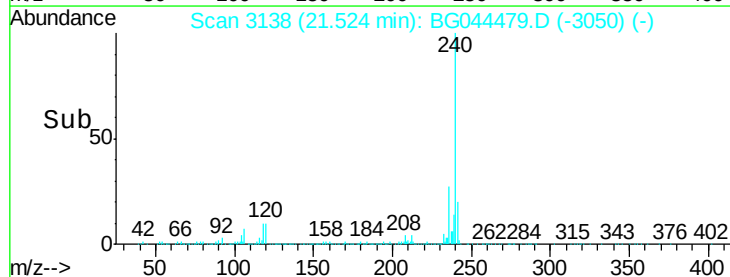
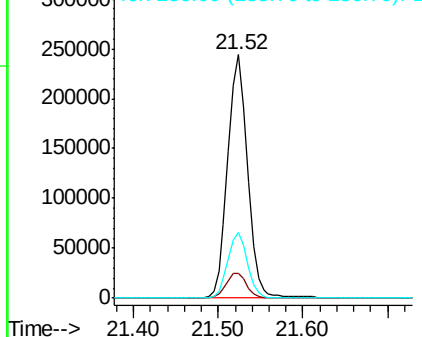


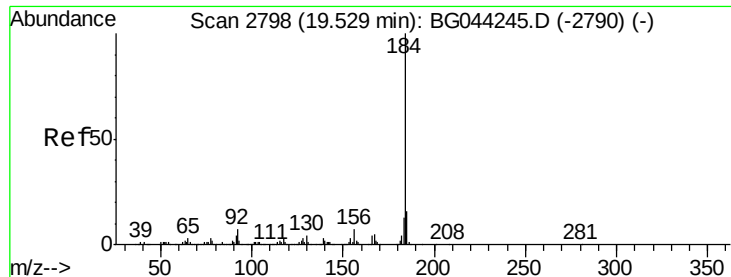
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.52 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG044479.D
 Acq: 18 Feb 2020 19:19

Tgt Ion:240 Resp: 396724
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.4 12.6
 236 27.0 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: 2.516 ng

RT: 19.90 min Scan# 2861

Delta R.T. 0.38 min

Lab File: BG044479.D

Acq: 18 Feb 2020 19:19

Instrument :

BNA_G

ClientSampled :

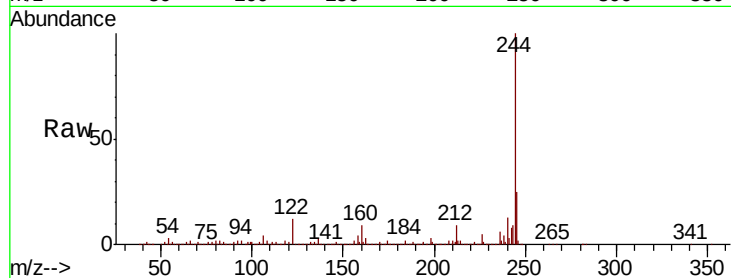
Tot Ion:184 Resp: 27684

Ion Ratio Lower Upper

184 100

185 17.9 12.9 19.3

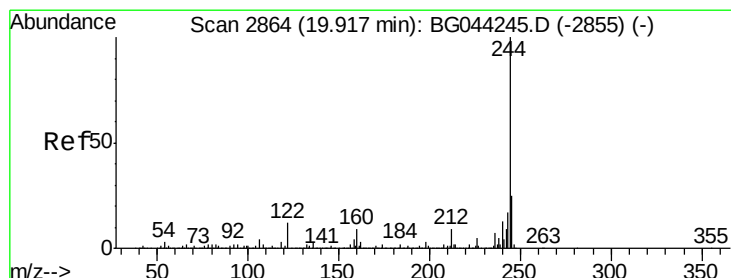
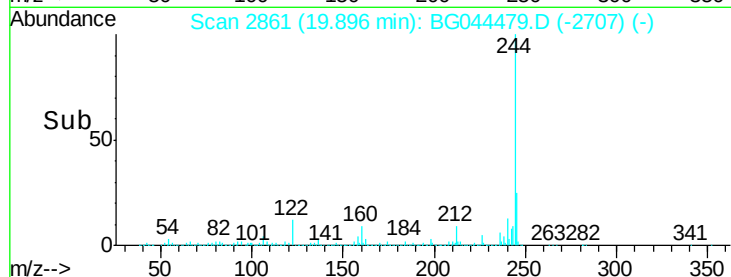
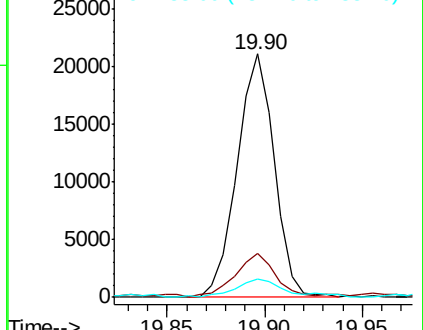
183 7.3 10.8 16.2#



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: 86.780 ng

RT: 19.90 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BG044479.D

Acq: 18 Feb 2020 19:19

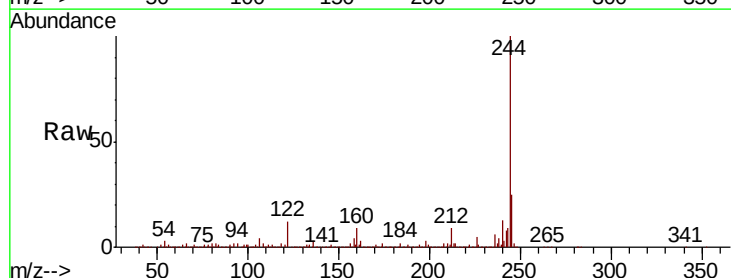
Tgt Ion:244 Resp: 1673784

Ion Ratio Lower Upper

244 100

212 9.1 7.4 11.2

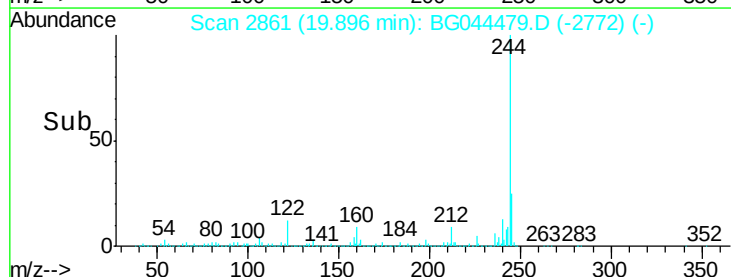
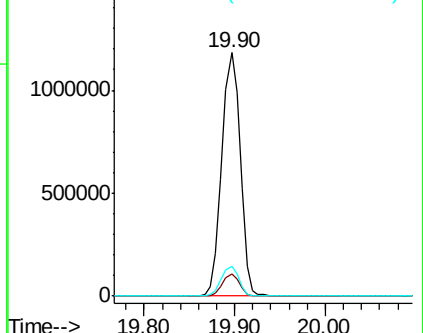
122 12.1 9.8 14.6

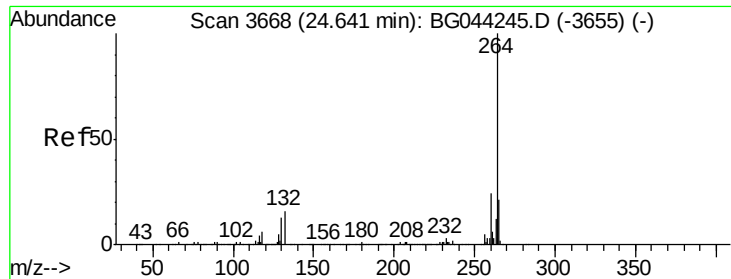


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

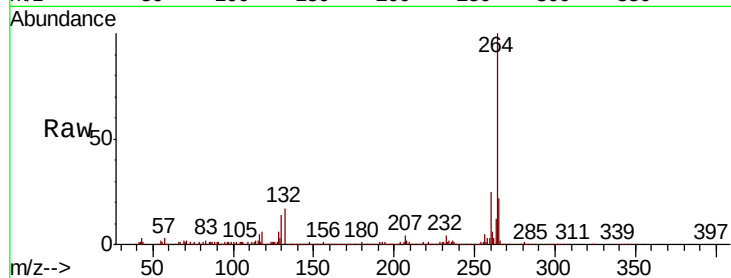




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.61 min Scan# 3663
Delta R.T. -0.01 min
Lab File: BG044479.D
Acq: 18 Feb 2020 19:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.1	16.7	25.1



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

