

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020320\
 Data File : BG044279.D
 Acq On : 3 Feb 2020 19:20
 Operator : CG/JU
 Sample : L1346-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 04 00:30:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	71027	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	311894	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	245330	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	551297	20.00	ng	0.00
76) Chrysene-d12	21.54	240	489746	20.00	ng	0.00
87) Perylene-d12	24.64	264	542866	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	450470	111.93	ng	0.00
7) Phenol-d6	7.08	99	634458	117.40	ng	0.00
23) Nitrobenzene-d5	9.07	82	375979	68.06	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	288471	100.16	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	896012	61.16	ng	0.00
79) Terphenyl-d14	19.92	244	1471974	61.82	ng	0.00

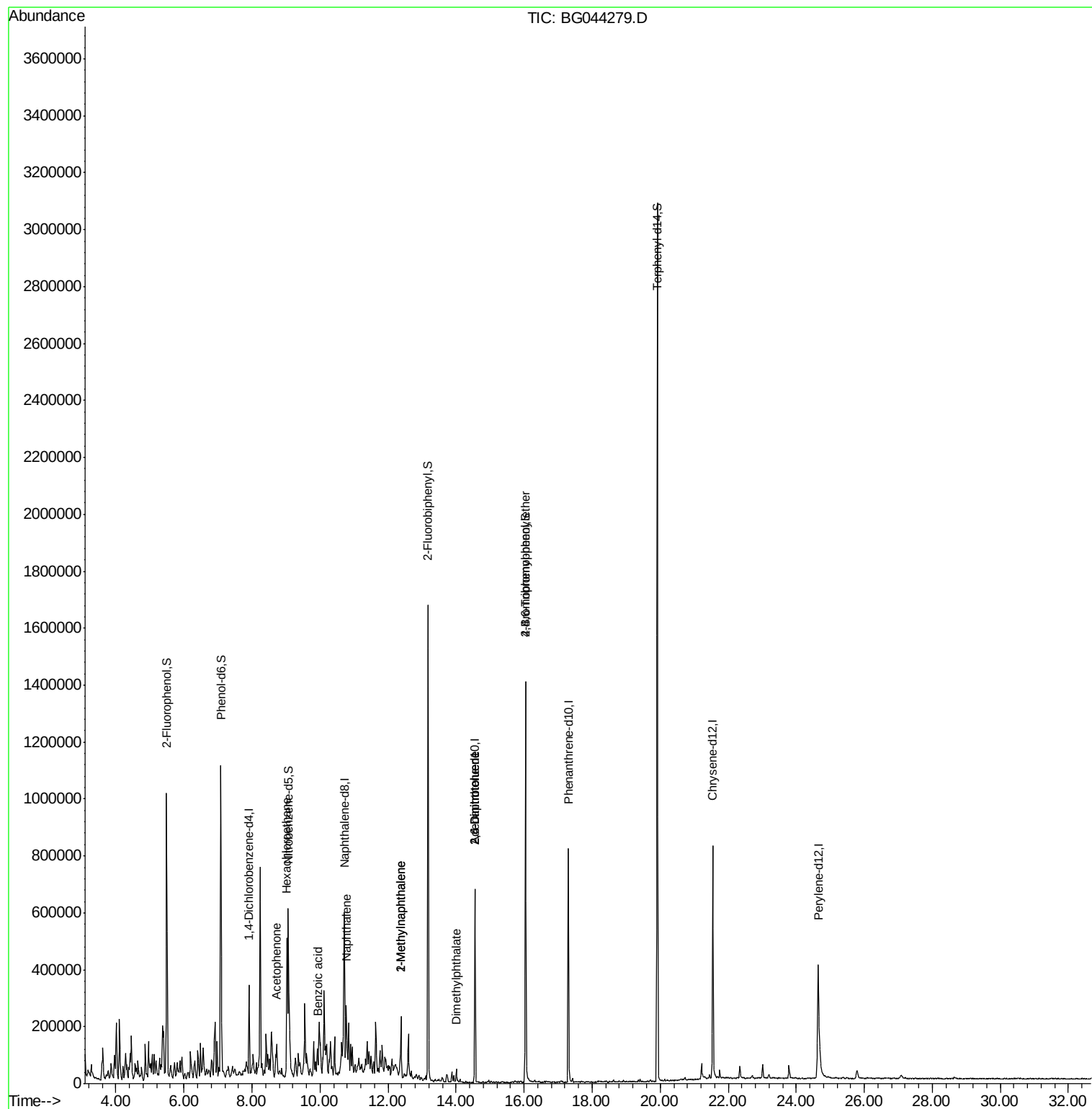
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.03	117	50979	25.973	ng	# 1
22) Acetophenone	8.73	105	75647	9.970	ng	# 58
31) Naphthalene	10.77	128	43708	2.888	ng	# 85
32) Benzoic acid	9.94	122	775	14.381	ng	# 1
37) 2-Methylnaphthalene	12.38	142	100239	8.922	ng	96
38) 1-Methylnaphthalene	12.38	142	100239	9.463	ng	99
50) Dimethylphthalate	14.01	163	37433	2.123	ng	# 99
51) 2,6-Dinitrotoluene	14.56	165	31865	8.104	ng	# 30
57) 2,4-Dinitrotoluene	14.56	165	31865	5.782	ng	# 28
67) 4-Bromophenyl-phenylether	16.04	248	19481	3.243	ng	# 1

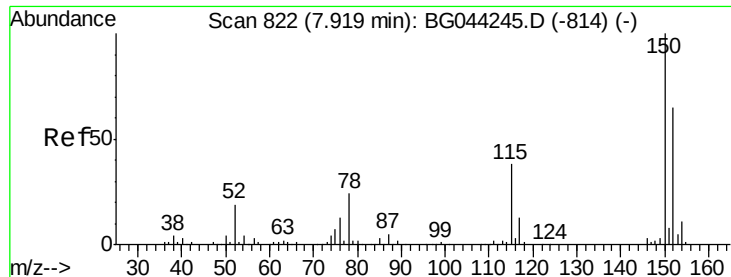
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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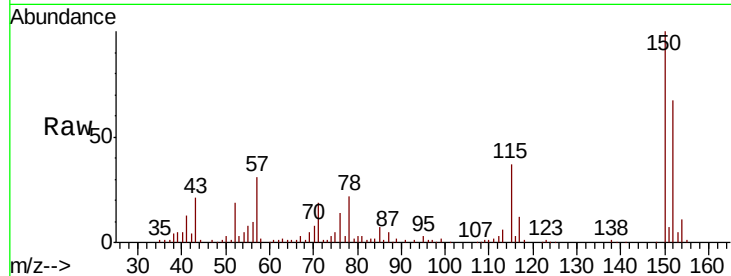


#1

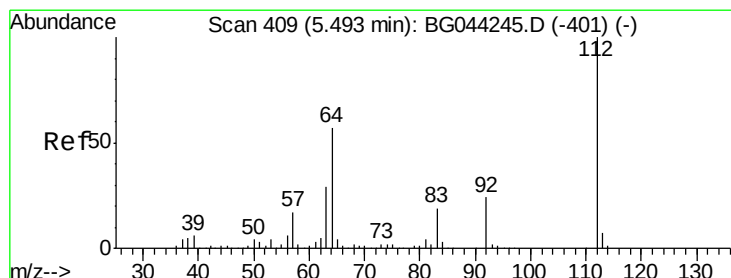
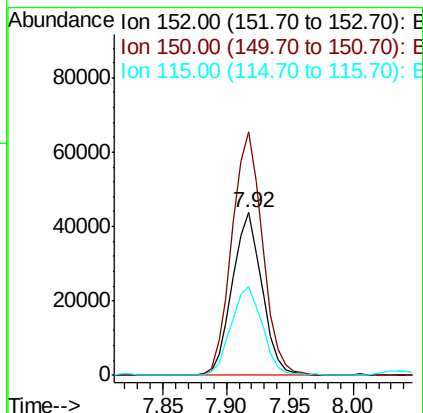
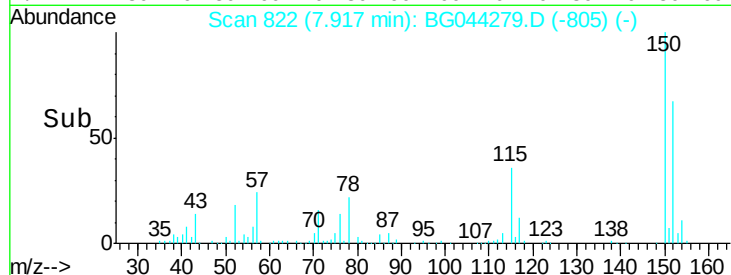
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	122.6	183.8
115	55.0	46.0	69.0



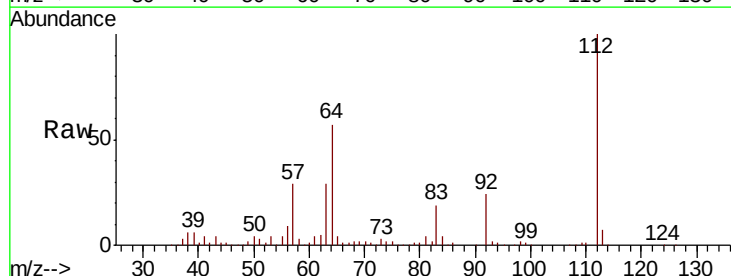
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



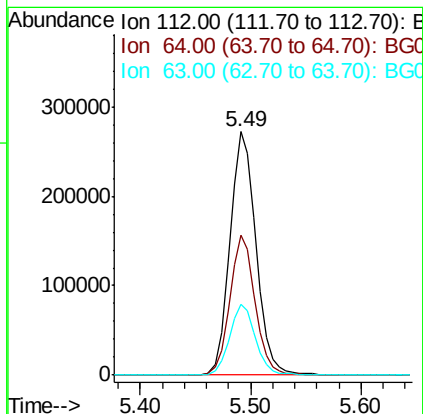
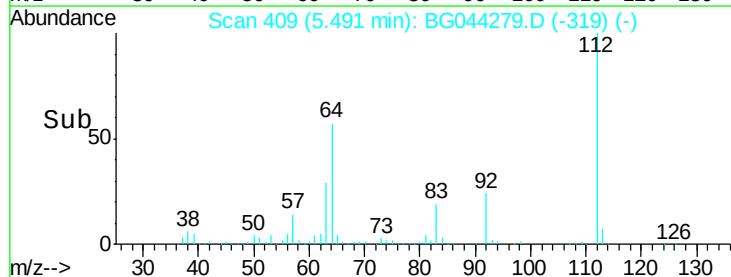
#5

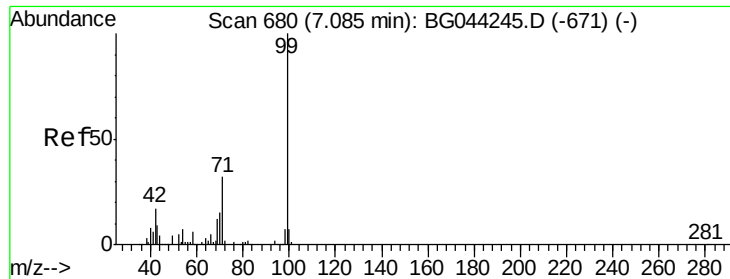
2-Fluorophenol
Concen: 111.930 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.4	68.2
63	29.3	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: 117.397 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

Instrument :

BNA_G

ClientSampled :

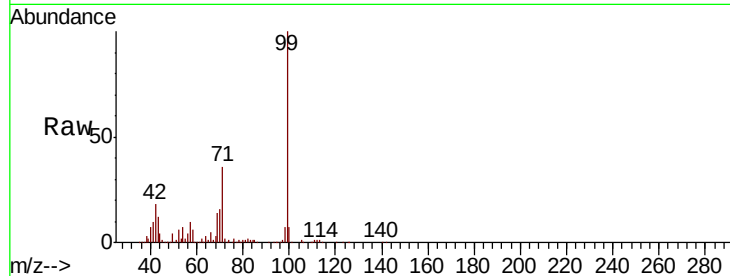
Tot Ion: 99 Resp: 634458

Ion Ratio Lower Upper

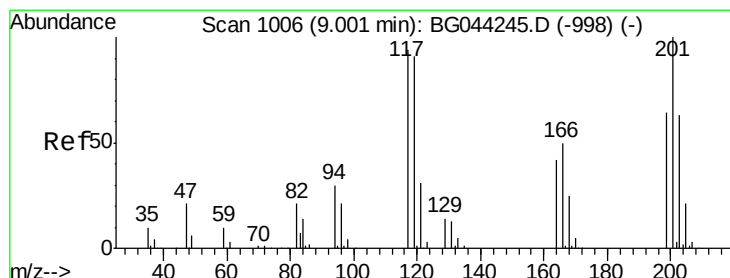
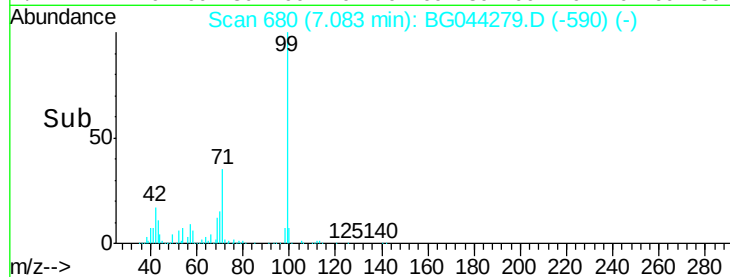
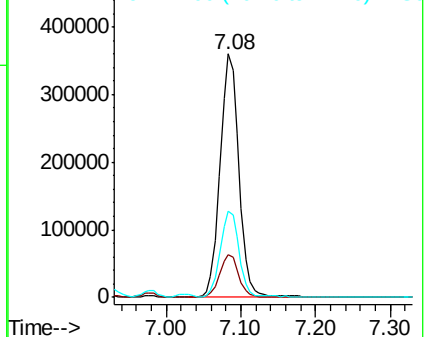
99 100

42 17.7 13.8 20.6

71 35.5 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



#18

Hexachloroethane

Concen: 25.973 ng

RT: 9.03 min Scan# 1012

Delta R.T. 0.03 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

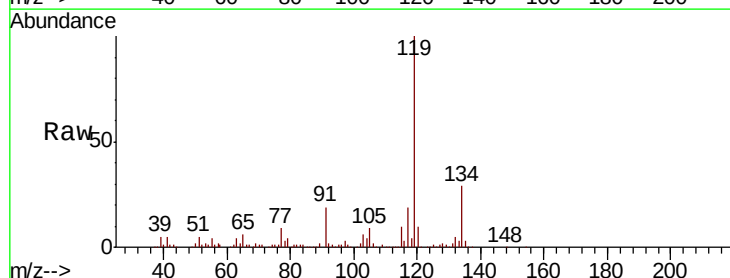
Tgt Ion: 117 Resp: 50979

Ion Ratio Lower Upper

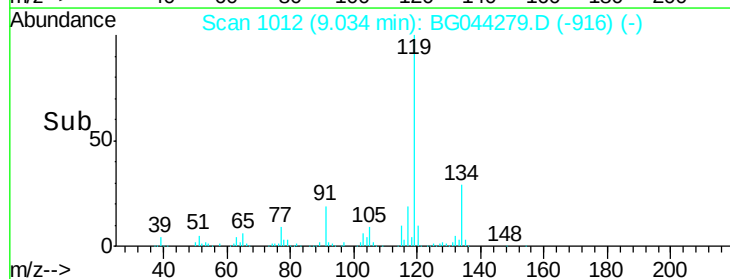
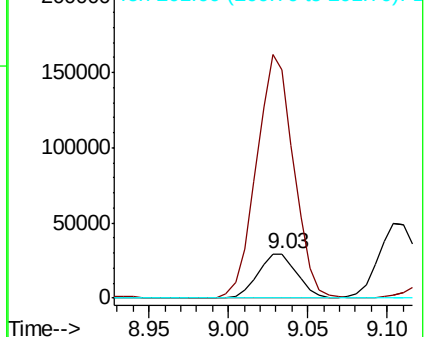
117 100

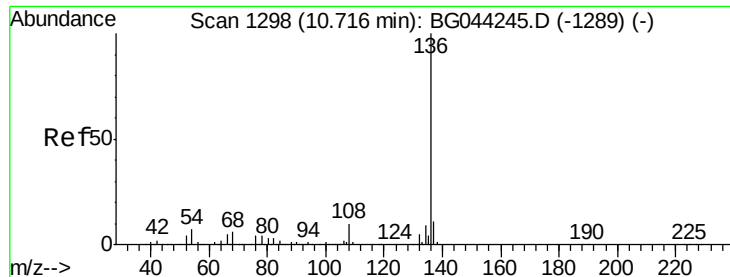
119 514.0 77.5 116.3#

201 0.0 84.9 127.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

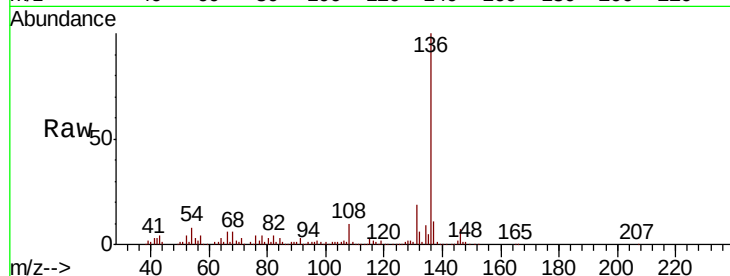




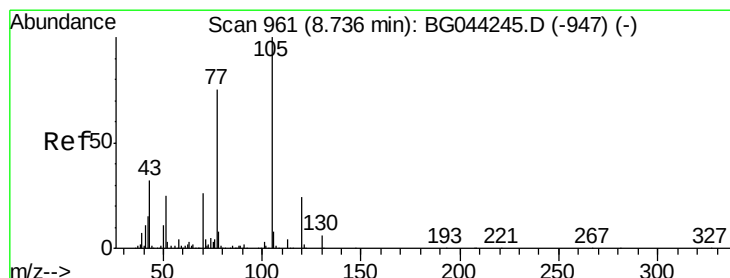
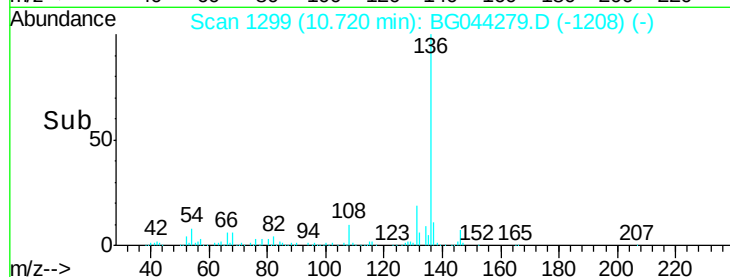
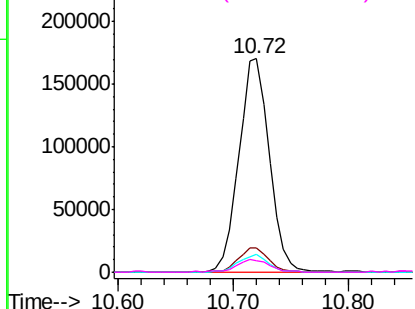
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	311894
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.8 13.2
54	8.3	5.8 8.8
68	5.7	4.6 6.8

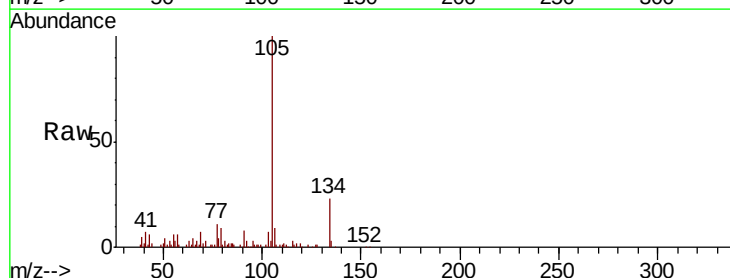


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

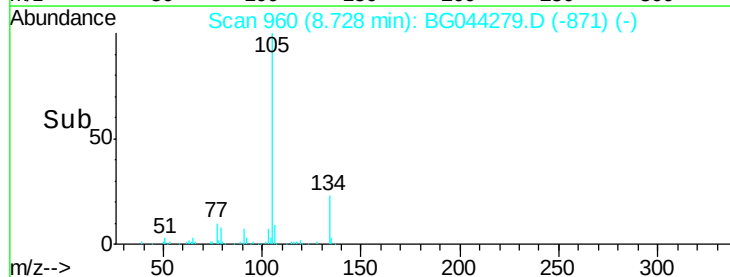
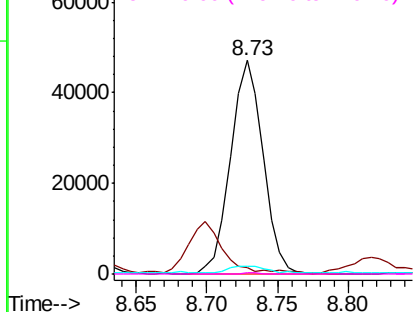


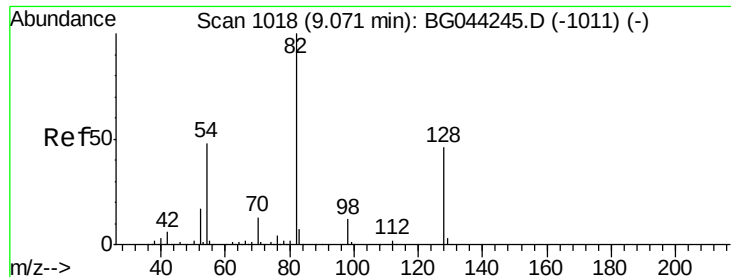
#22
Acetophenone
Concen: 9.970 ng
RT: 8.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Tgt Ion:105	Resp:	75647
Ion	Ratio	Lower Upper
105	100	
71	2.9	3.4 5.0#
51	3.8	20.2 30.4#
120	0.4	19.1 28.7#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

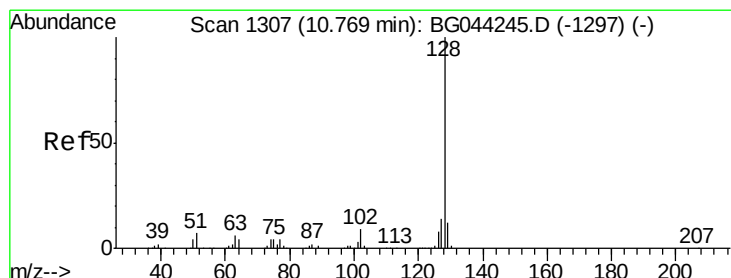
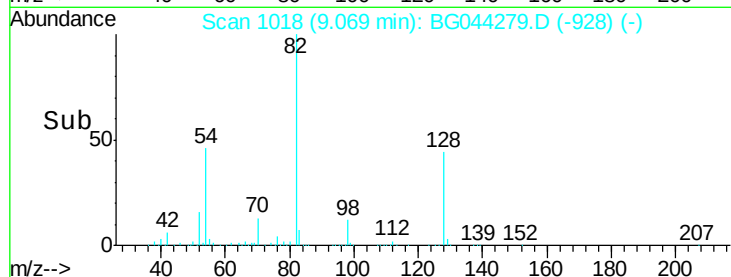
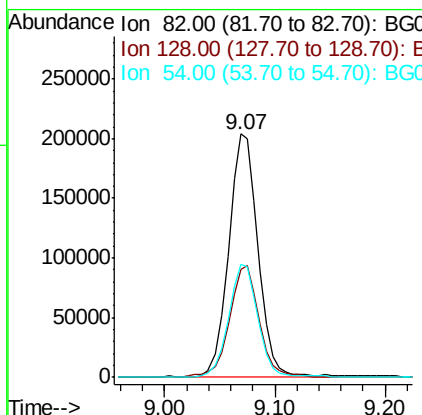
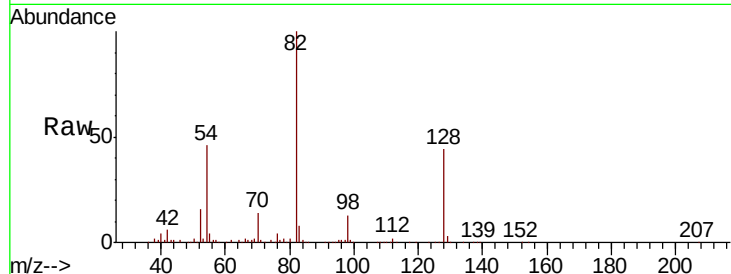




#23
Nitrobenzene-d5
Concen: 68.056 ng
RT: 9.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

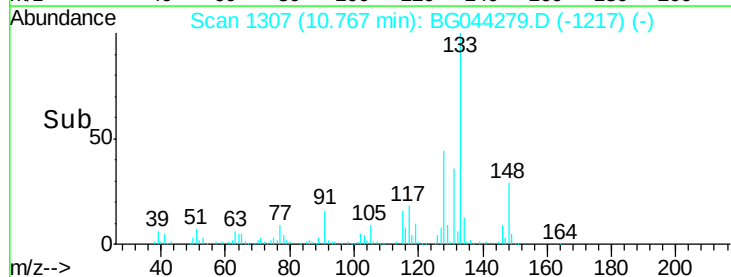
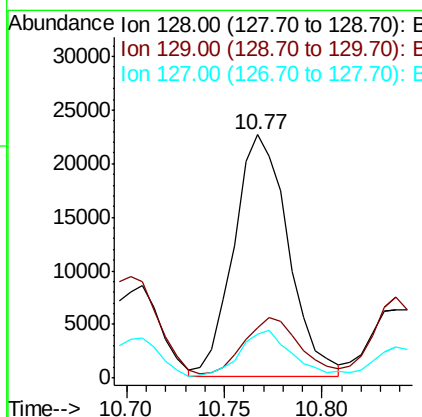
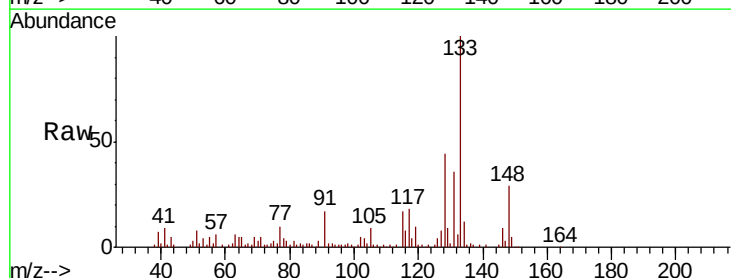
Instrument :
BNA_G
ClientSampled :

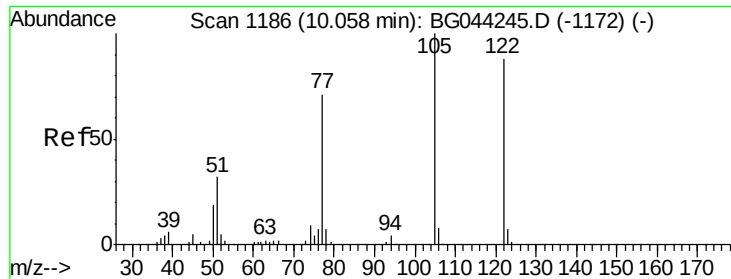
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.5	54.7
54	46.5	38.6	58.0



#31
Naphthalene
Concen: 2.888 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	20.7	9.3	13.9#
127	17.9	11.6	17.4#

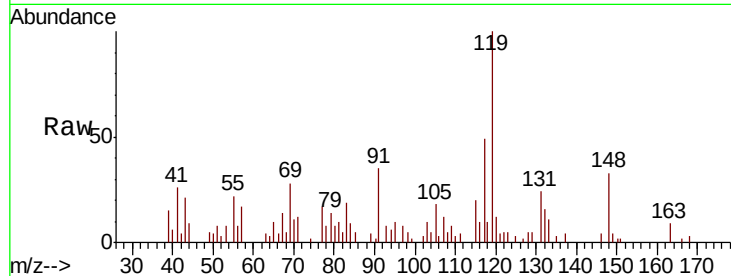




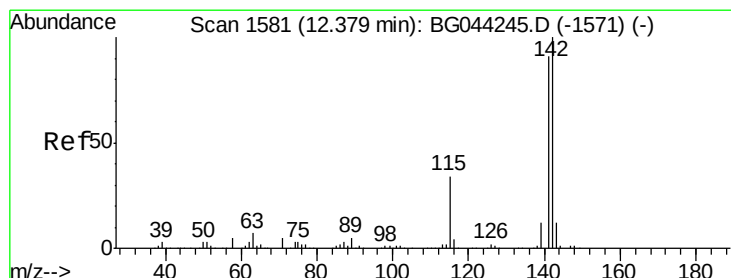
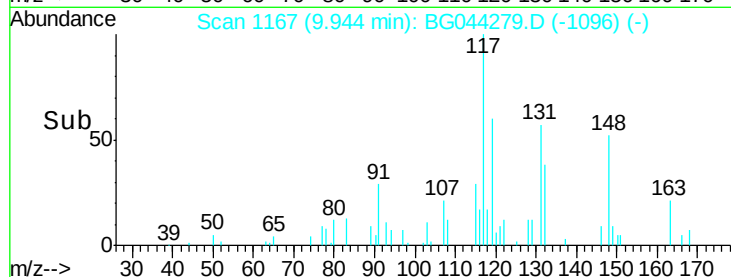
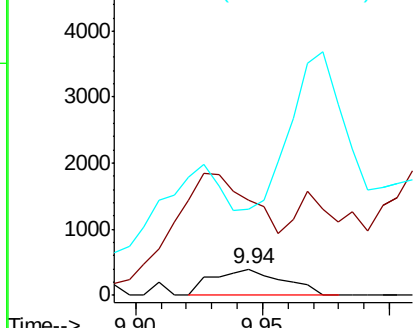
#32
Benzoic acid
Concen: 14.381 ng
RT: 9.94 min Scan# 1167
Delta R.T. -0.11 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	363.0	93.5	133.5#
77	329.9	61.0	101.0#

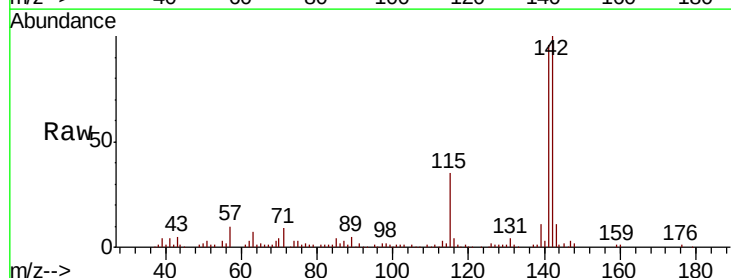


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

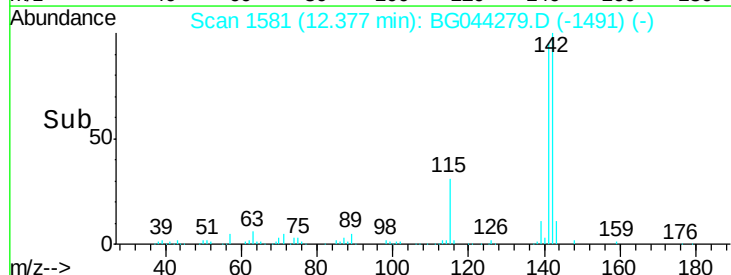
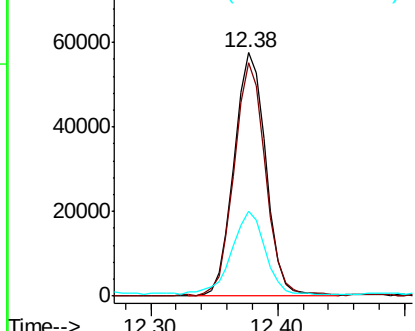


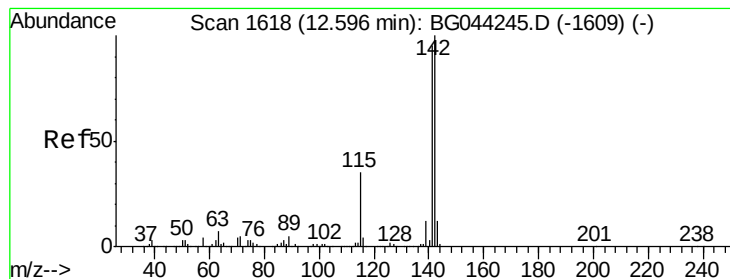
#37
2-Methylnaphthalene
Concen: 8.922 ng
RT: 12.38 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG044279.D
Acq: 3 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.6	73.2	109.8
115	34.8	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 9.463 ng

RT: 12.38 min Scan# 1581

Delta R.T. -0.22 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

Instrument :

BNA_G

ClientSampleId :

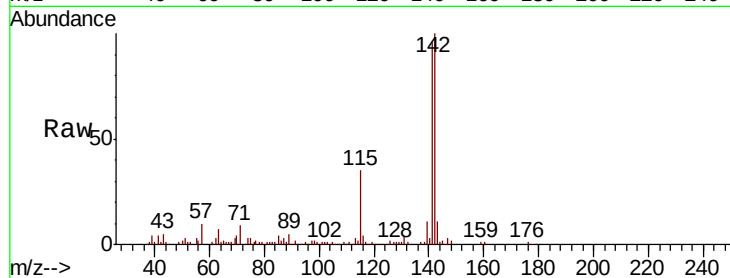
Tot Ion:142 Resp: 100239

Ion Ratio Lower Upper

142 100

141 95.6 75.8 113.6

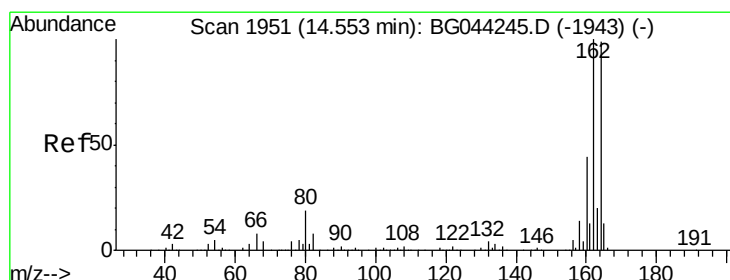
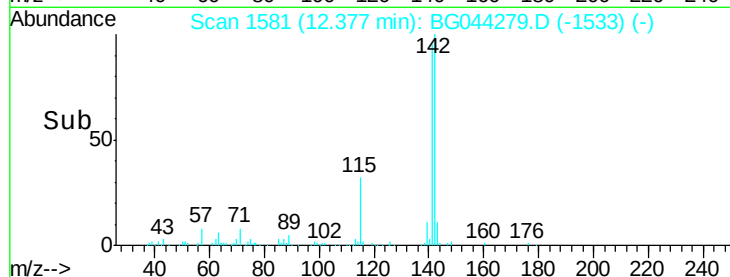
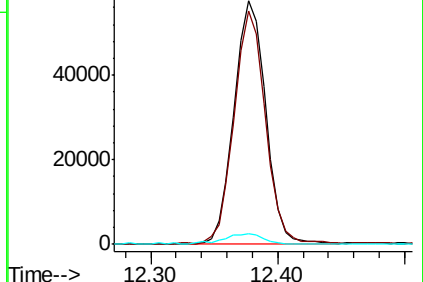
116 4.2 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

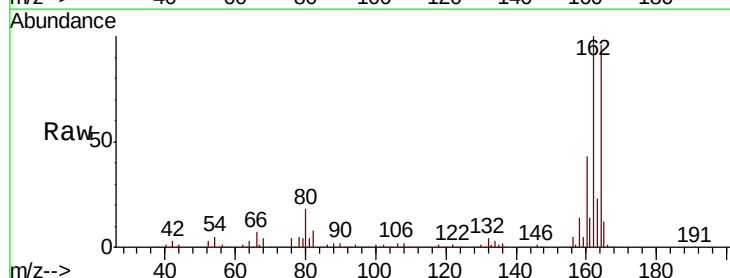
Tgt Ion:164 Resp: 245330

Ion Ratio Lower Upper

164 100

162 104.3 80.7 121.1

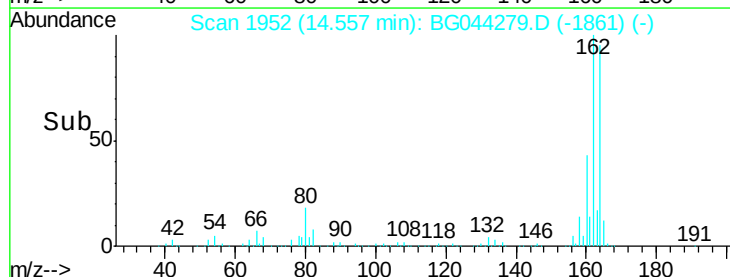
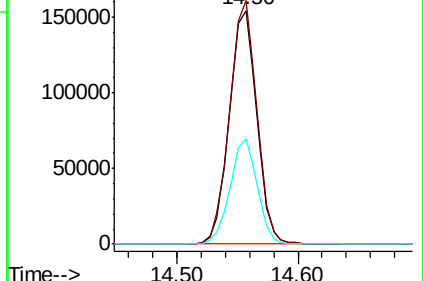
160 45.0 35.3 52.9

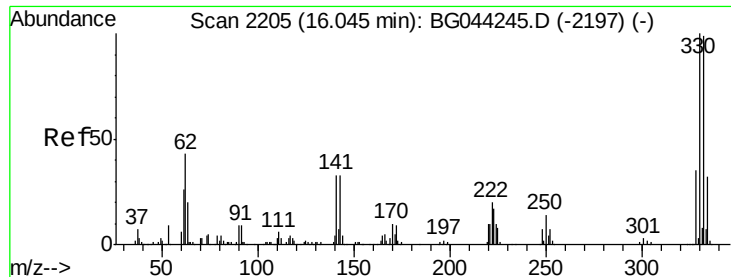


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 100.162 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

Instrument :

BNA_G

ClientSampleId :

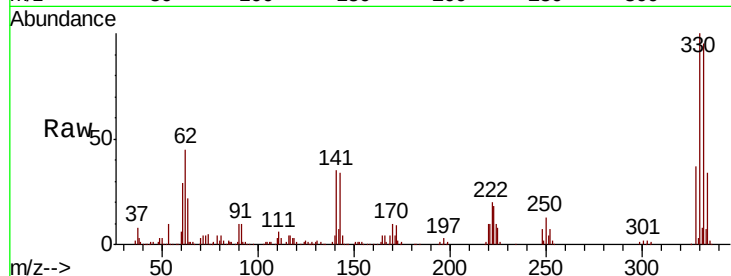
Tot Ion:330 Resp: 288471

Ion Ratio Lower Upper

330 100

332 94.8 77.2 115.8

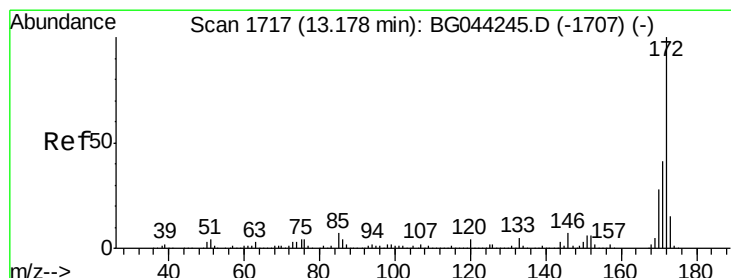
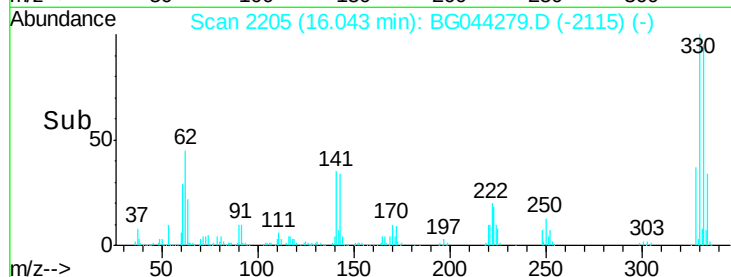
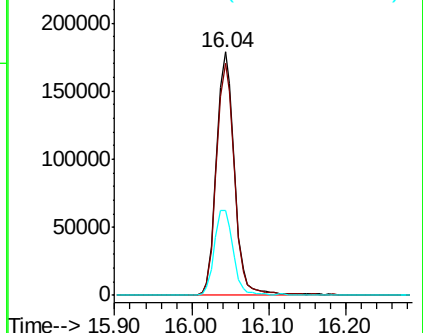
141 36.2 28.3 42.5



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: 61.159 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

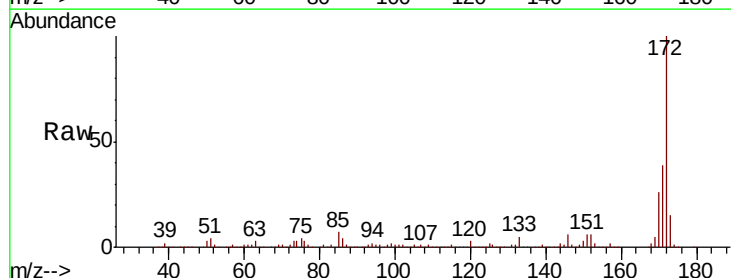
Tgt Ion:172 Resp: 896012

Ion Ratio Lower Upper

172 100

171 39.0 32.9 49.3

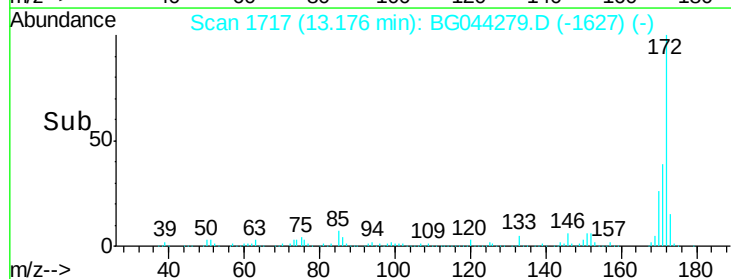
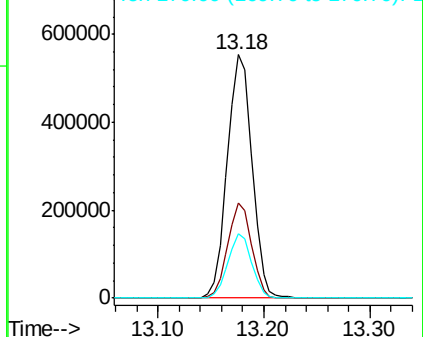
170 26.3 22.0 33.0

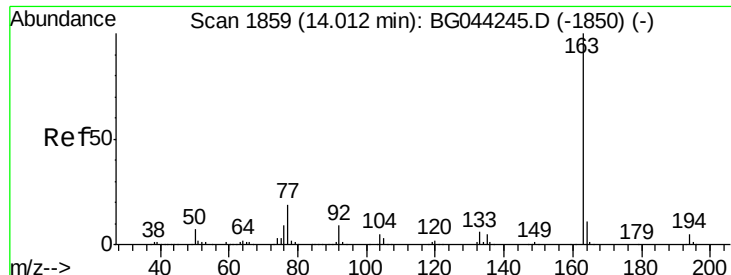


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.123 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

Instrument :

BNA_G

ClientSampled :

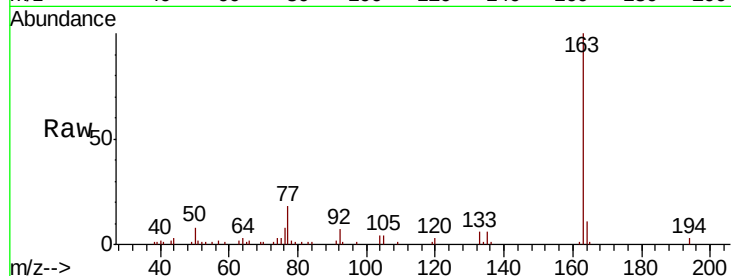
Tot Ion:163 Resp: 37433

Ion Ratio Lower Upper

163 100

194 3.4 3.6 5.4#

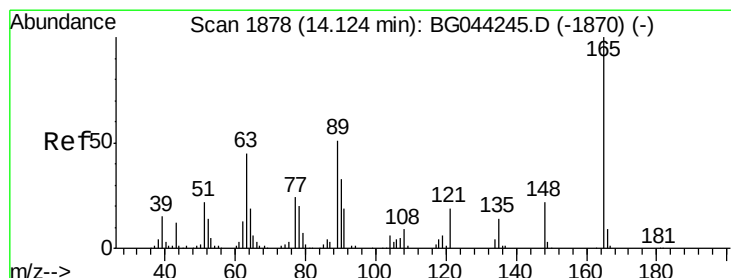
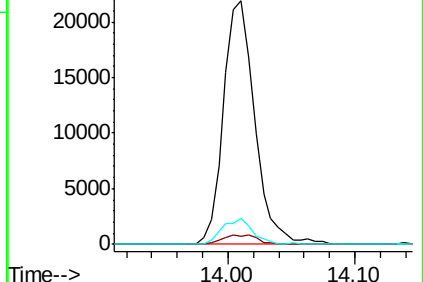
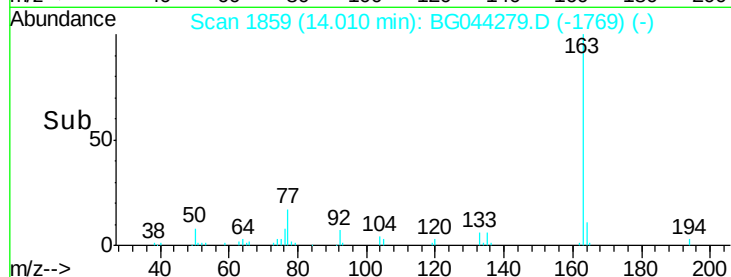
164 10.6 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 8.104 ng

RT: 14.56 min Scan# 1952

Delta R.T. 0.43 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

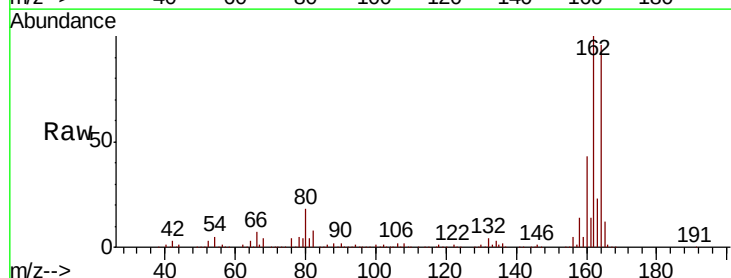
Tgt Ion:165 Resp: 31865

Ion Ratio Lower Upper

165 100

63 1.8 38.7 58.1#

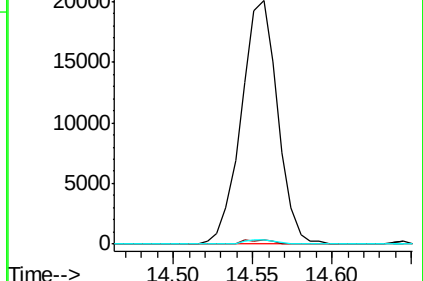
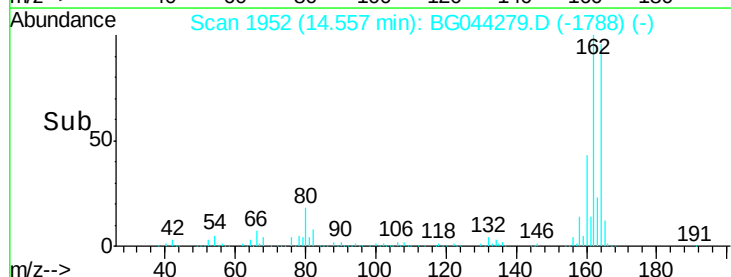
89 1.8 40.4 60.6#

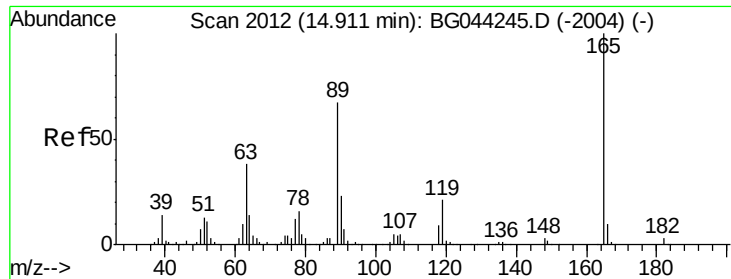


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

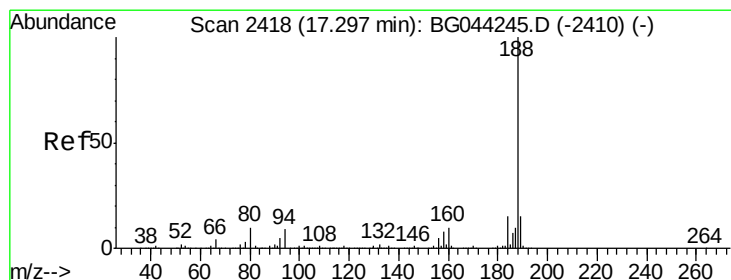
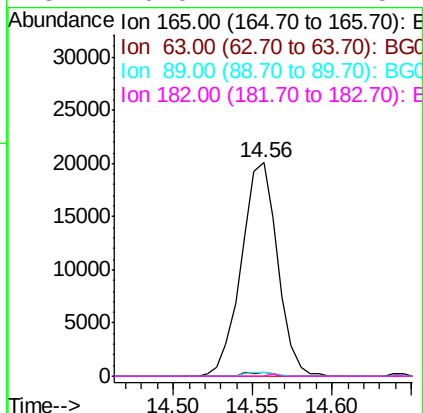
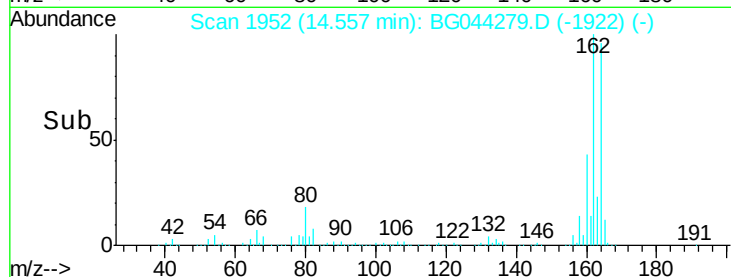
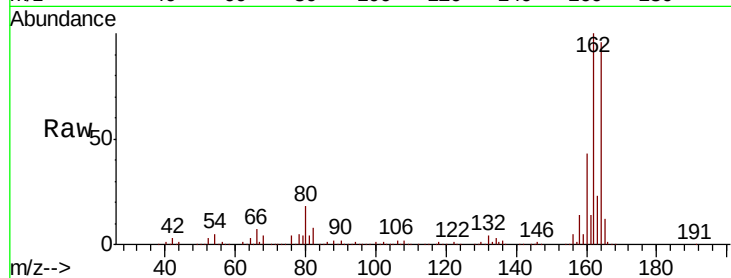




#57
 2,4-Dinitrotoluene
 Concen: 5.782 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.35 min
 Lab File: BG044279.D
 Acq: 3 Feb 2020 19:20

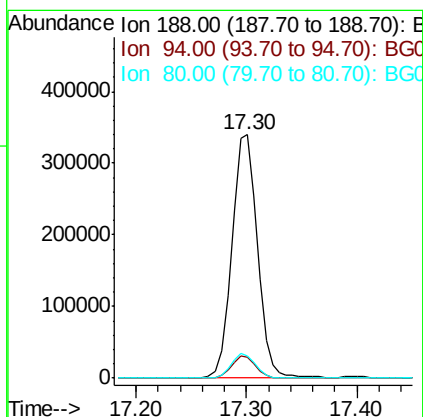
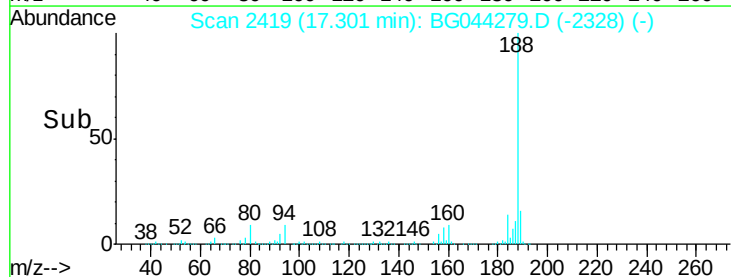
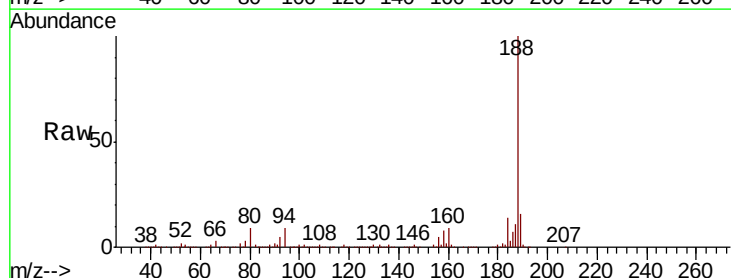
Instrument :
 BNA_G
 ClientSampleId :

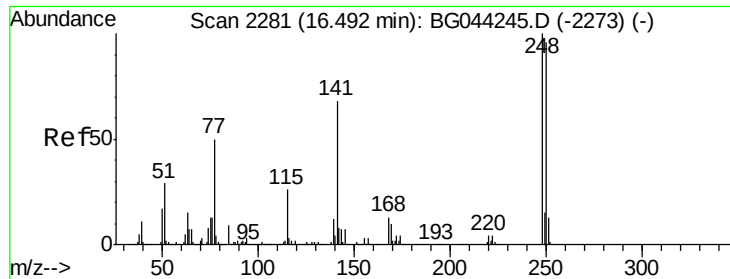
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	30.3	45.5#
89	1.8	53.4	80.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BG044279.D
 Acq: 3 Feb 2020 19:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.2
80	9.4	7.7	11.5

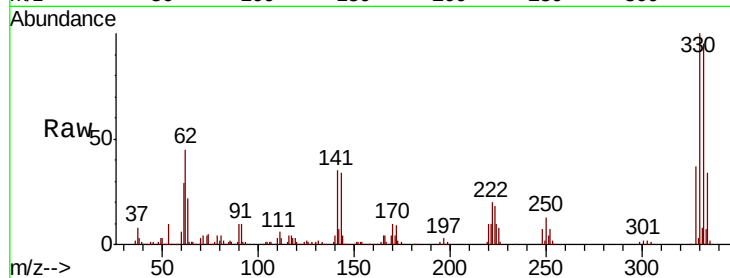




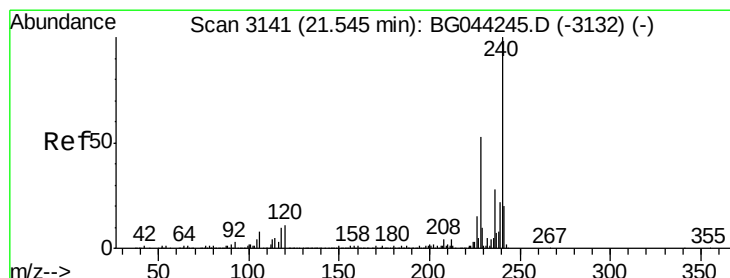
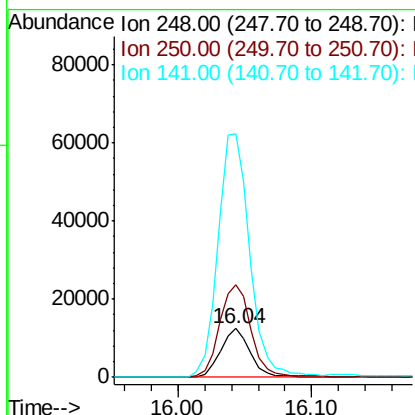
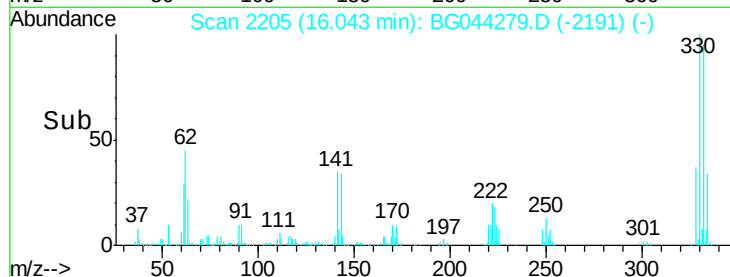
#67
 4-Bromophenyl-phenylether
 Concen: 3.243 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG044279.D
 Acq: 3 Feb 2020 19:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 19481
 Ion Ratio Lower Upper
 248 100
 250 190.7 76.6 114.8#
 141 502.3 54.7 82.1#

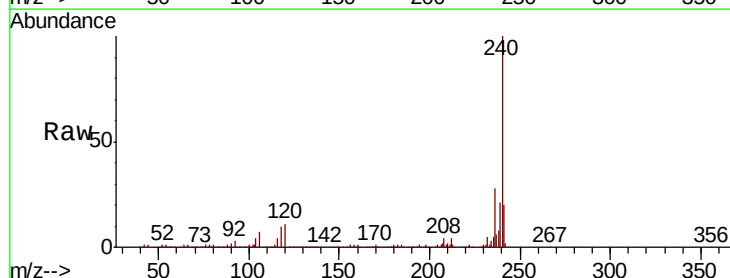


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

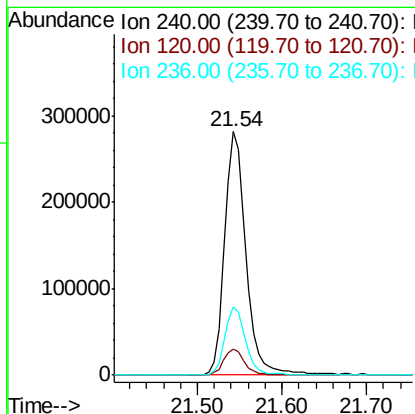
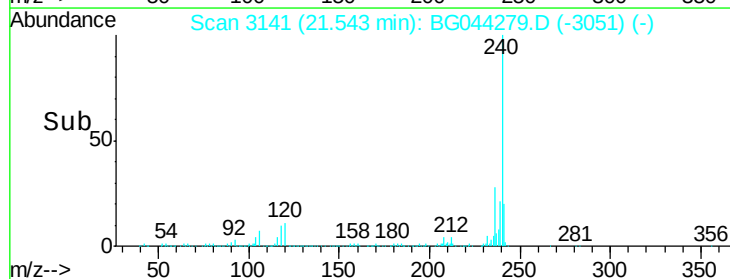


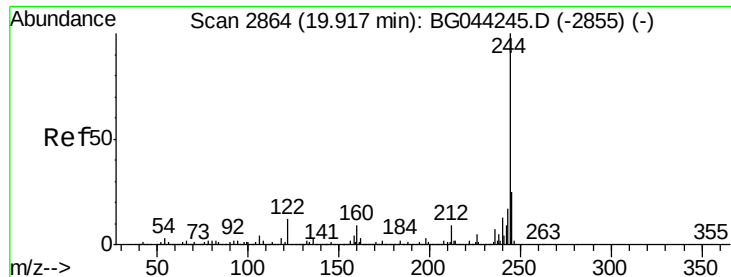
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG044279.D
 Acq: 3 Feb 2020 19:20

Tgt Ion:240 Resp: 489746
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.4 12.6
 236 28.0 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





#79

Terphenyl-d14

Concen: 61.821 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

Instrument :

BNA_G

ClientSampled :

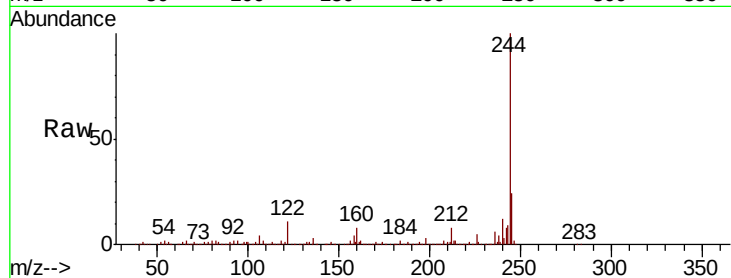
Tot Ion:244 Resp: 1471974

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.2

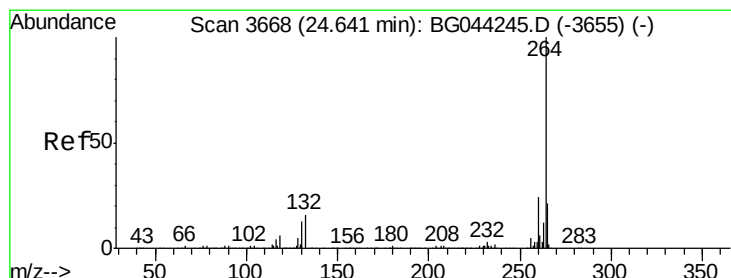
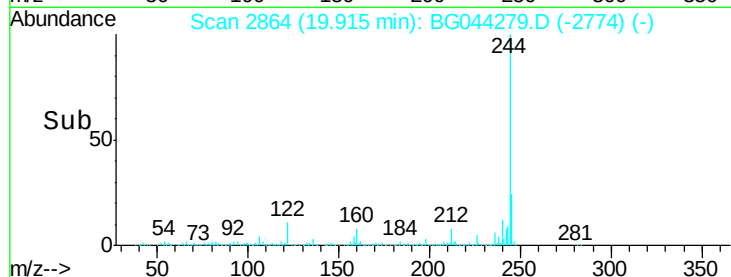
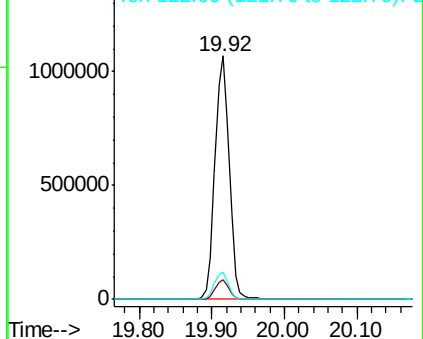
122 11.4 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3669

Delta R.T. 0.00 min

Lab File: BG044279.D

Acq: 3 Feb 2020 19:20

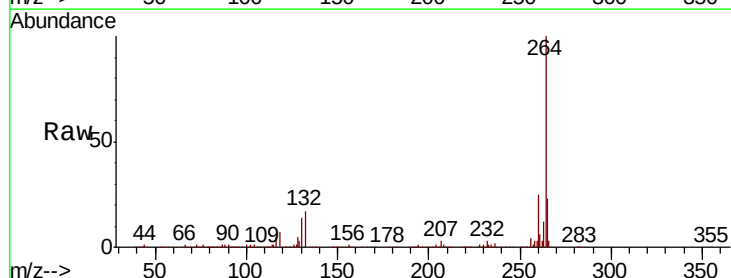
Tgt Ion:264 Resp: 542866

Ion Ratio Lower Upper

264 100

260 25.3 19.4 29.2

265 23.3 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

