

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021920\
 Data File : BG044515.D
 Acq On : 20 Feb 2020 9:10
 Operator : CG/JU
 Sample : L1573-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 20 10:20:58 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

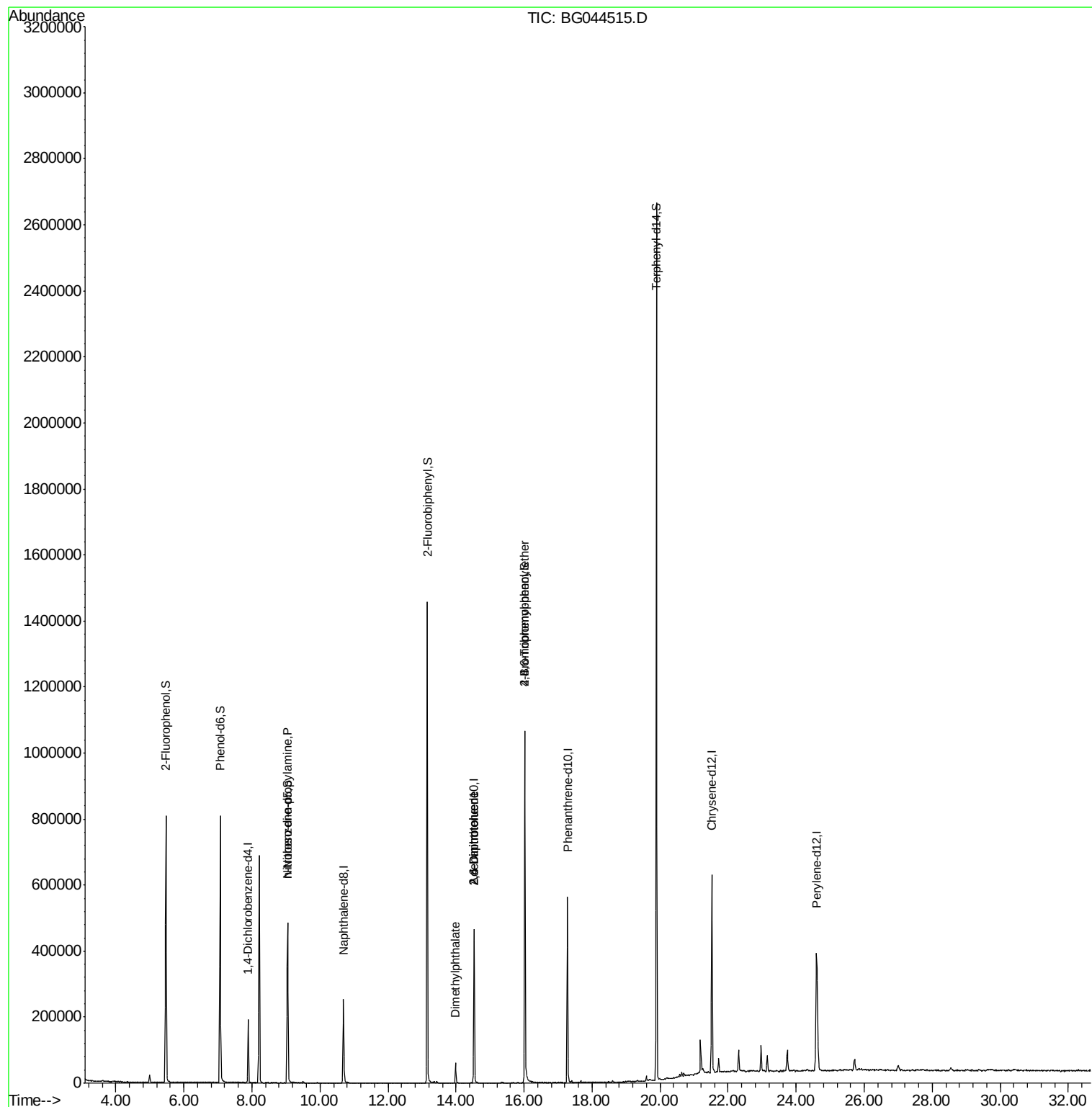
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	56970	20.00	ng	-0.02
21) Naphthalene-d8	10.69	136	248687	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	174544	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	377516	20.00	ng	-0.02
76) Chrysene-d12	21.52	240	368359	20.00	ng	-0.02
87) Perylene-d12	24.60	264	384986	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	399941	123.90	ng	-0.01
7) Phenol-d6	7.07	99	533093	122.98	ng	-0.01
23) Nitrobenzene-d5	9.05	82	331624	75.28	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	232259	113.35	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	811497	77.85	ng	-0.01
79) Terphenyl-d14	19.89	244	1271271	70.99	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.04	70	42214	14.612	ng	# 76
50) Dimethylphthalate	13.98	163	52371	4.174	ng	# 97
51) 2,6-Dinitrotoluene	14.53	165	22678	8.107	ng	# 30
57) 2,4-Dinitrotoluene	14.53	165	22678	5.784	ng	# 28
67) 4-Bromophenyl-phenylether	16.02	248	15914	3.869	ng	# 1

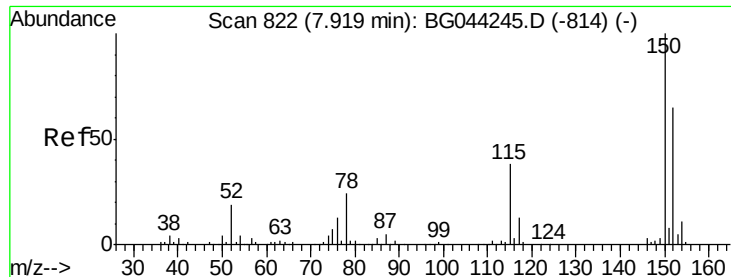
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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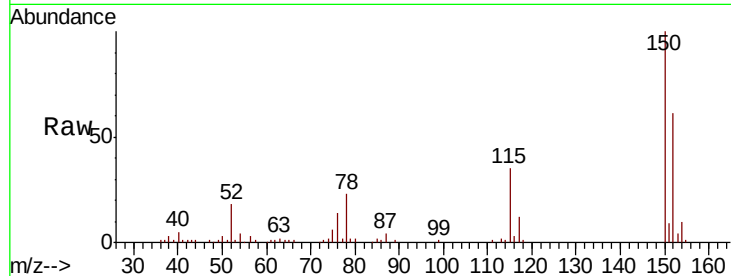


#1

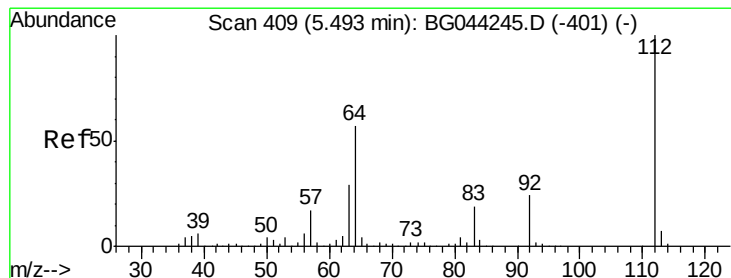
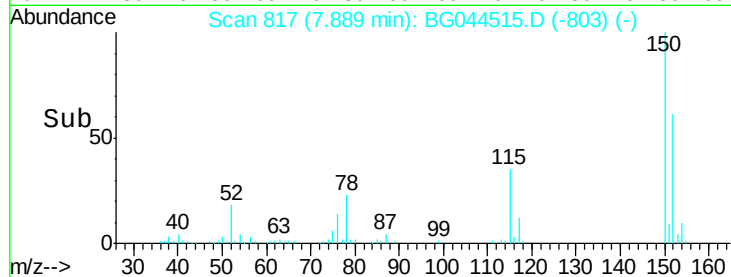
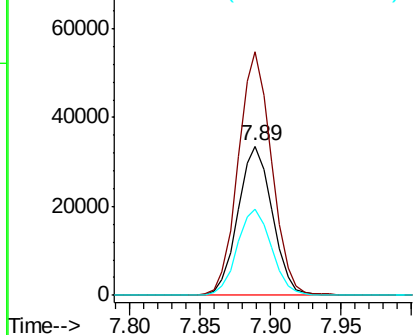
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 817
 Delta R.T. -0.02 min
 Lab File: BG044515.D
 Acq: 20 Feb 2020 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	122.6	183.8
115	57.7	46.0	69.0



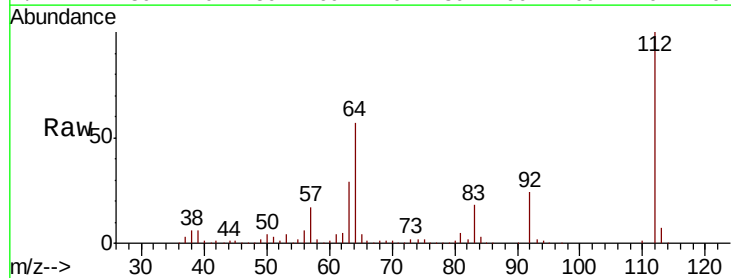
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



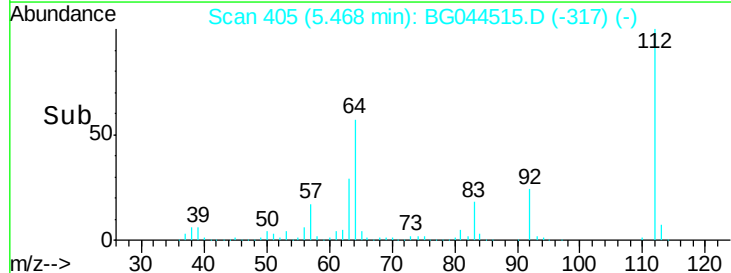
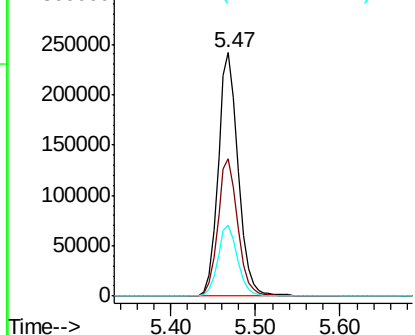
#5

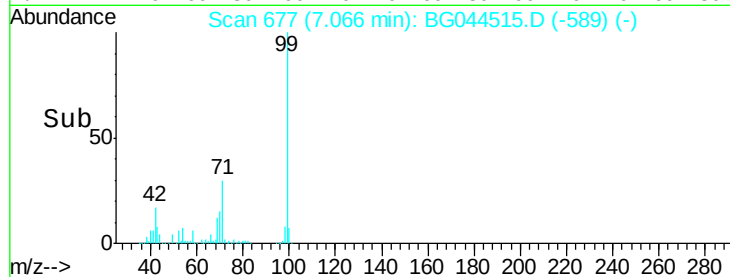
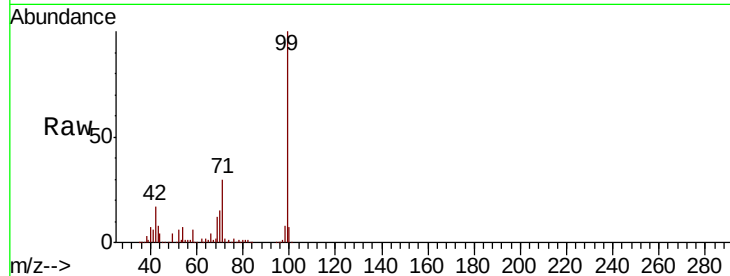
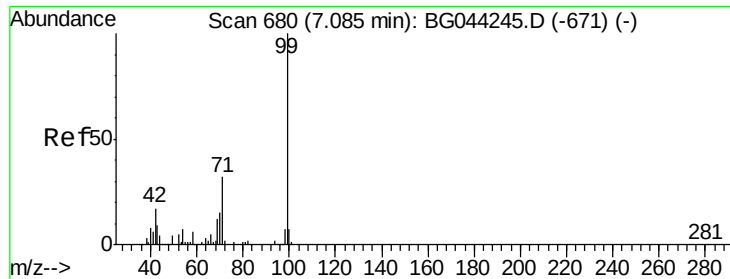
2-Fluorophenol
 Concen: 123.896 ng
 RT: 5.47 min Scan# 405
 Delta R.T. -0.01 min
 Lab File: BG044515.D
 Acq: 20 Feb 2020 9:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.4	68.2
63	28.9	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: 122.980 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044515.D

Acq: 20 Feb 2020 9:10

Instrument :

BNA_G

ClientSampleId :

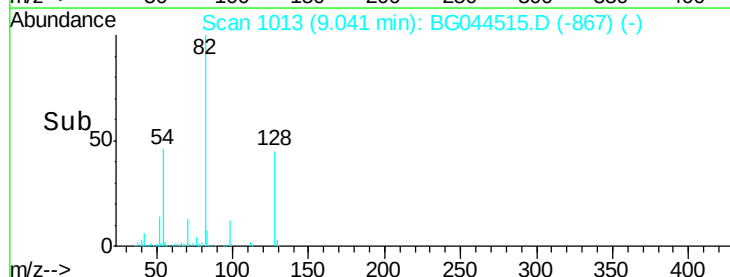
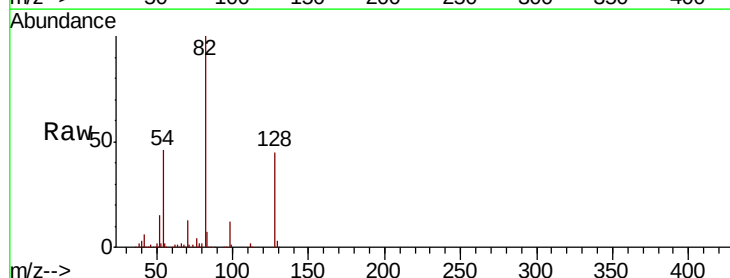
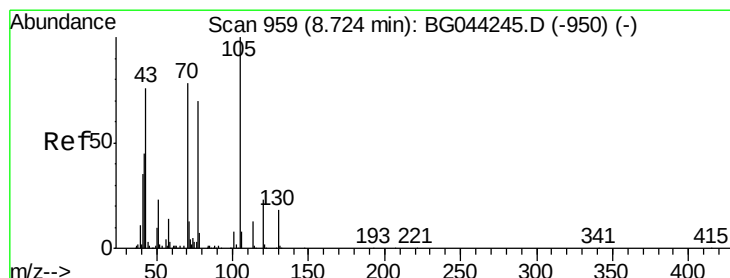
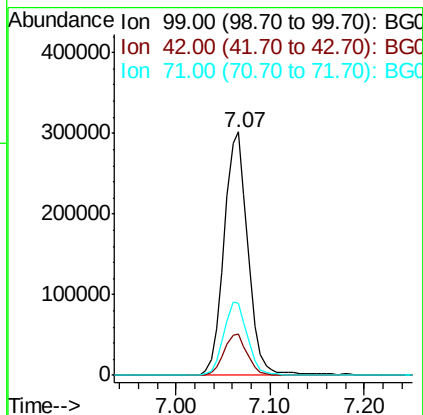
Tot Ion: 99 Resp: 533093

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

71 29.6 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.612 ng

RT: 9.04 min Scan# 1013

Delta R.T. 0.33 min

Lab File: BG044515.D

Acq: 20 Feb 2020 9:10

Tgt Ion: 70 Resp: 42214

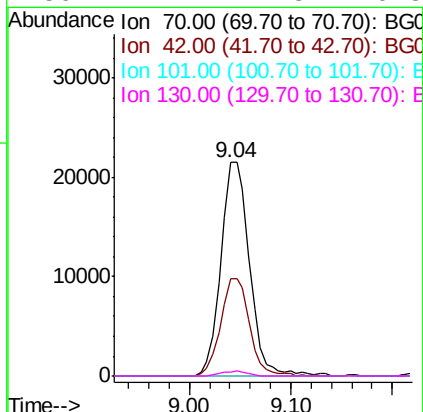
Ion Ratio Lower Upper

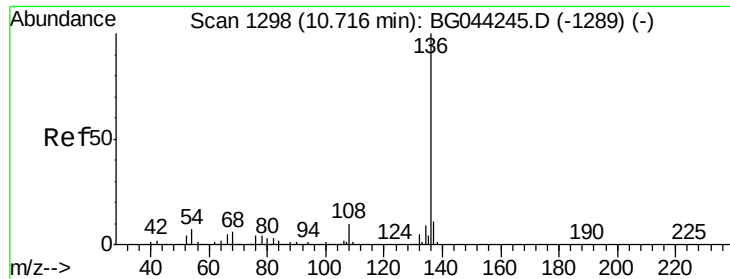
70 100

42 45.7 46.2 69.2#

101 0.0 8.4 12.6#

130 1.7 17.8 26.8#

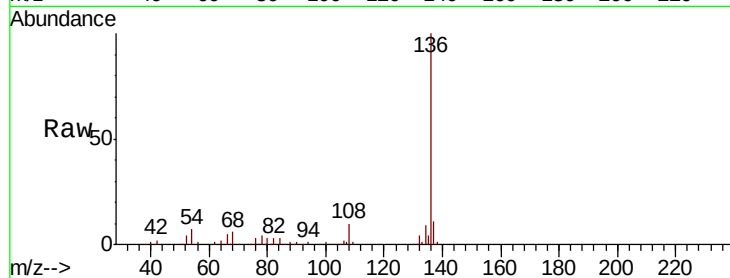




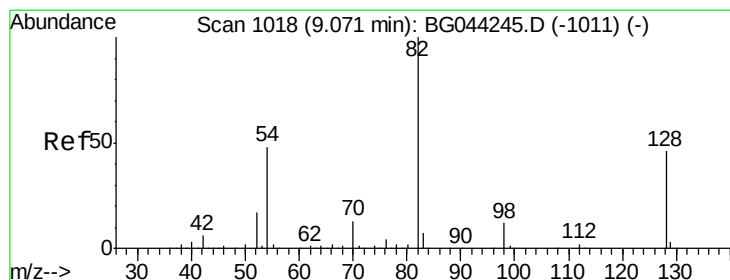
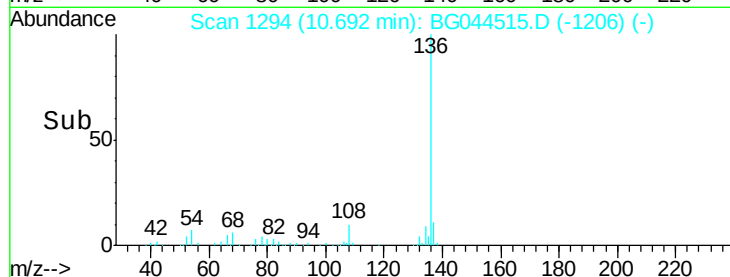
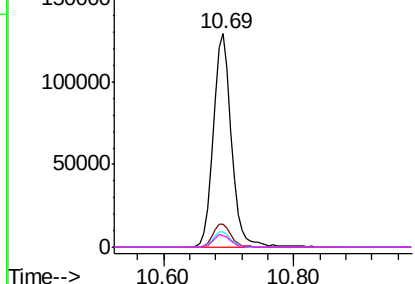
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.69 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG044515.D
Acq: 20 Feb 2020 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	248687
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.8 13.2
54	7.2	5.8 8.8
68	5.6	4.6 6.8

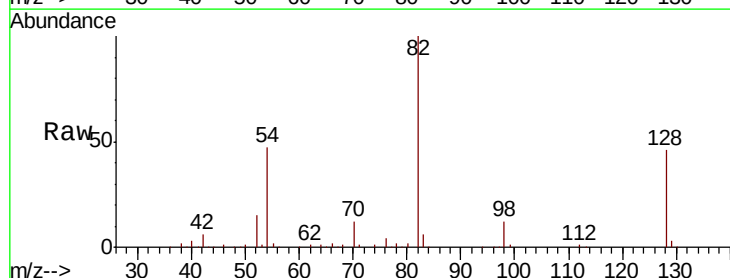


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
150000
Ion 54.00 (53.70 to 54.70): BGC
100000
Ion 68.00 (67.70 to 68.70): BGC
50000
0

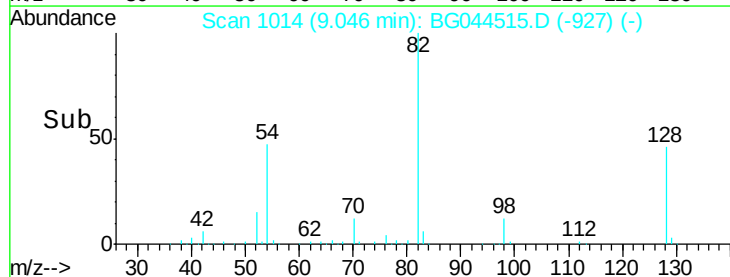
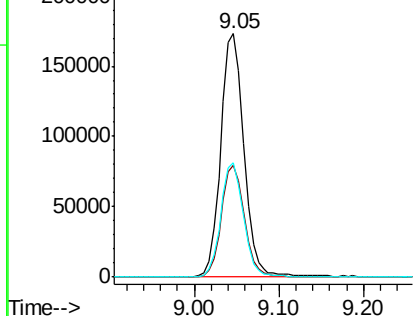


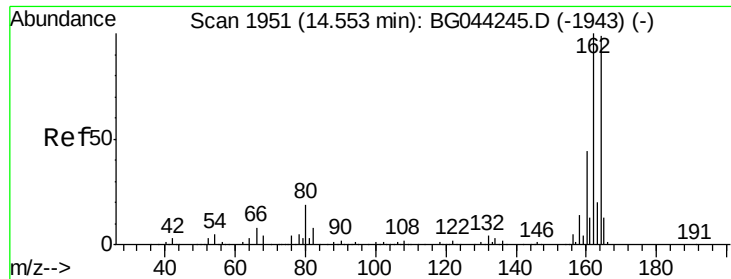
#23
Nitrobenzene-d5
Concen: 75.284 ng
RT: 9.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BG044515.D
Acq: 20 Feb 2020 9:10

Tgt Ion: 82	Resp:	331624
Ion Ratio	Lower	Upper
82	100	
128	45.8	36.5 54.7
54	46.8	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
Ion 128.00 (127.70 to 128.70): E
150000
Ion 54.00 (53.70 to 54.70): BGC
100000
50000
0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.02 min

Lab File: BG044515.D

Acq: 20 Feb 2020 9:10

Instrument :

BNA_G

ClientSampleId :

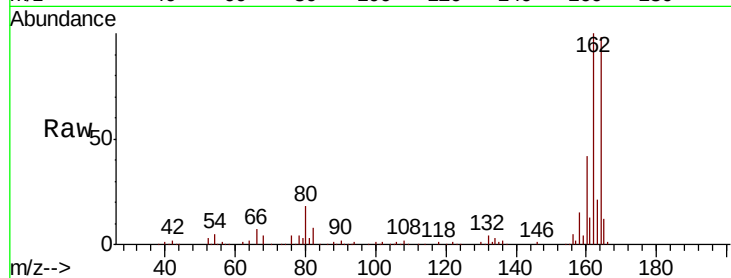
Tot Ion:164 Resp: 174544

Ion Ratio Lower Upper

164 100

162 102.3 80.7 121.1

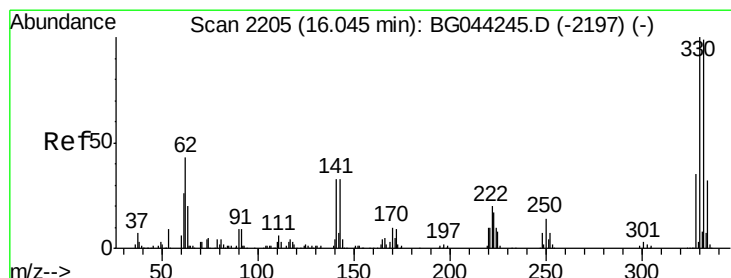
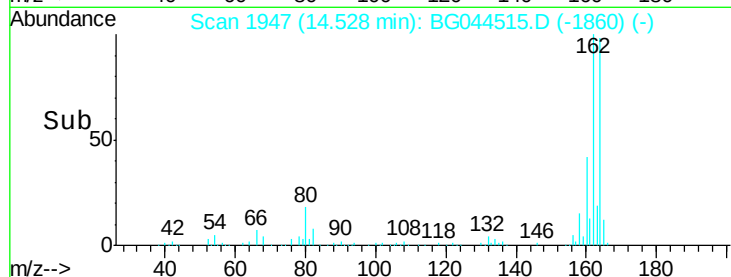
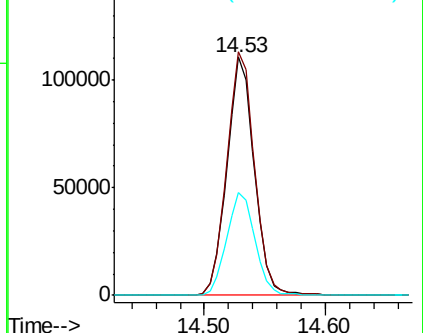
160 43.2 35.3 52.9



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: 113.350 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG044515.D

Acq: 20 Feb 2020 9:10

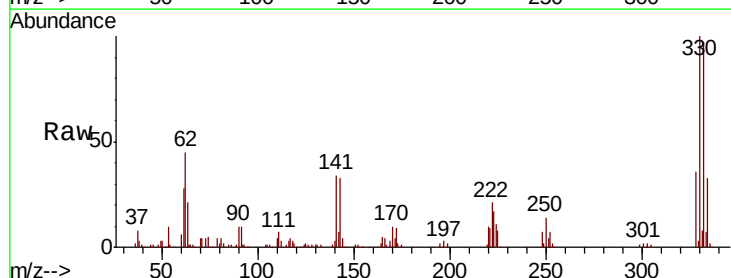
Tgt Ion:330 Resp: 232259

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

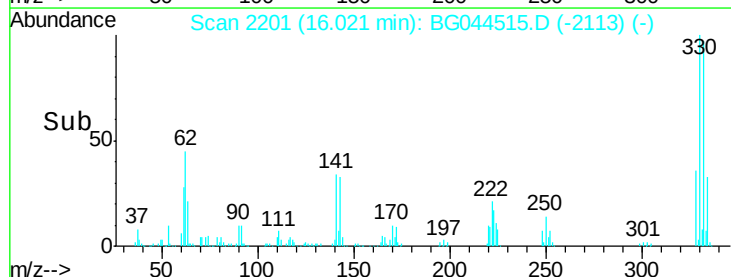
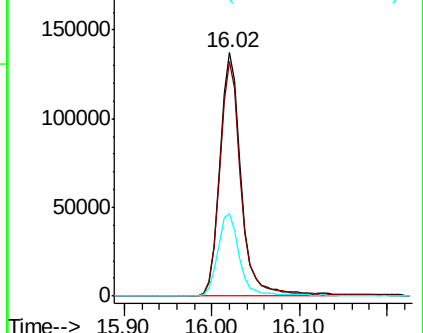
141 34.6 28.3 42.5

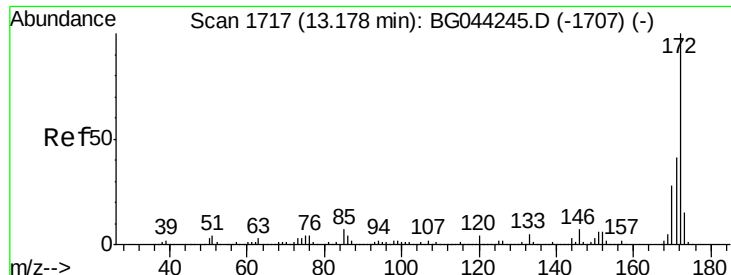


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



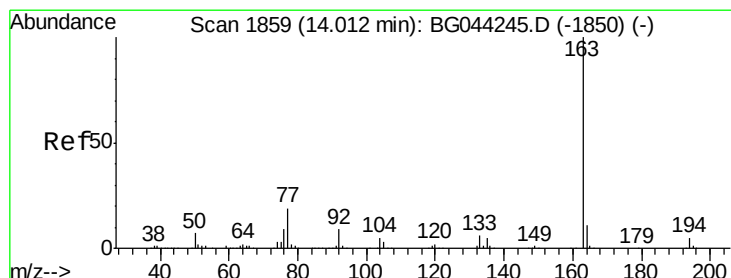
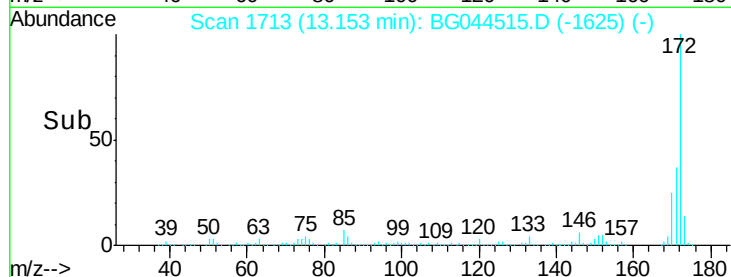
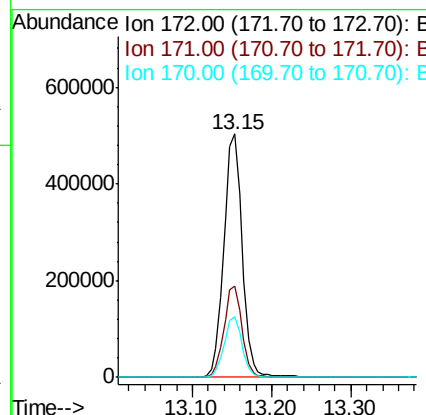
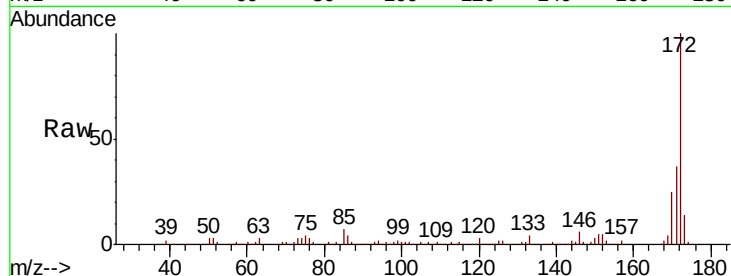


#45
 2-Fluorobiphenyl
 Concen: 77.854 ng
 RT: 13.15 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG044515.D
 Acq: 20 Feb 2020 9:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 811497

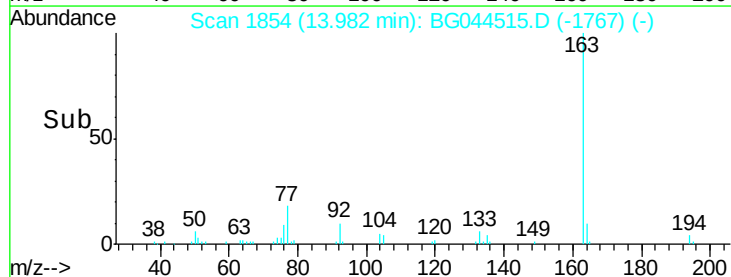
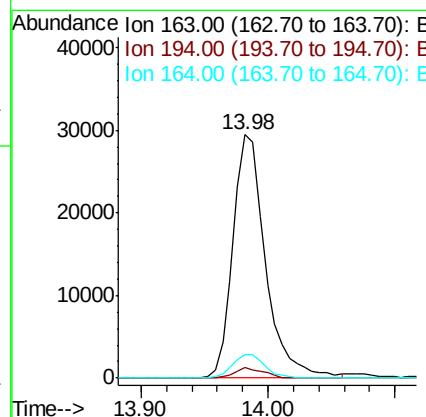
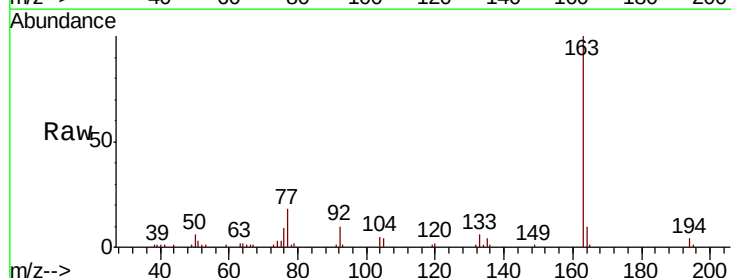
Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.9	49.3
170	24.9	22.0	33.0

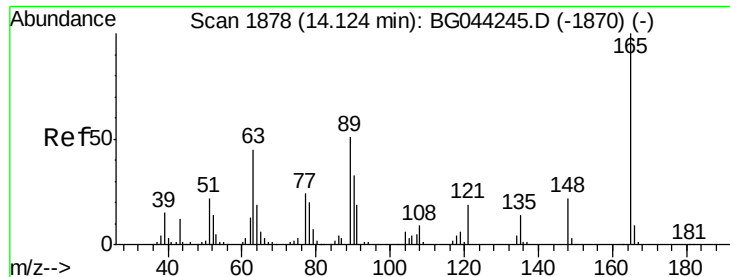


#50
 Dimethylphthalate
 Concen: 4.174 ng
 RT: 13.98 min Scan# 1854
 Delta R.T. -0.02 min
 Lab File: BG044515.D
 Acq: 20 Feb 2020 9:10

Tgt Ion:163 Resp: 52371

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	9.7	8.7	13.1

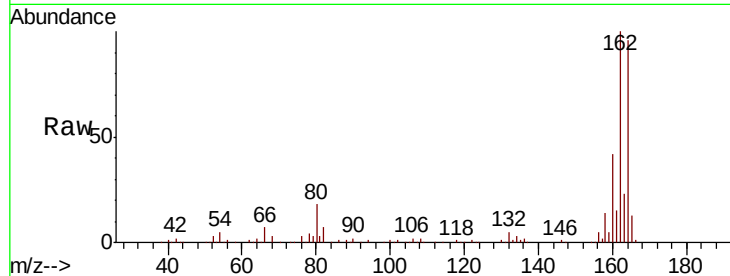




#51
 2,6-Dinitrotoluene
 Concen: 8.107 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG044515.D
 Acq: 20 Feb 2020 9:10

Instrument :
 BNA_G
 ClientSampleId :

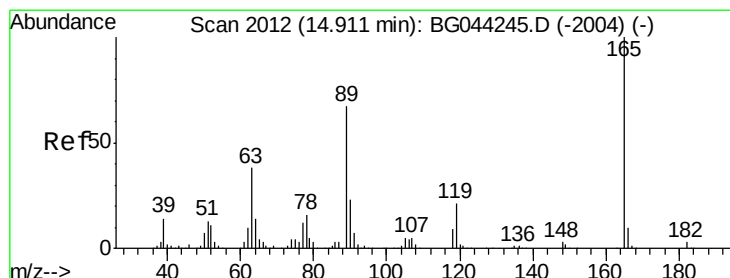
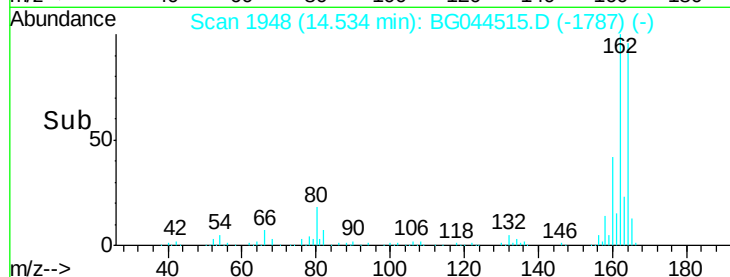
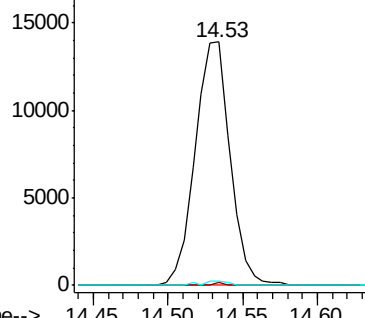
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.7	58.1#
89	1.6	40.4	60.6#



Abundance Ion 165.00 (164.70 to 165.70): E

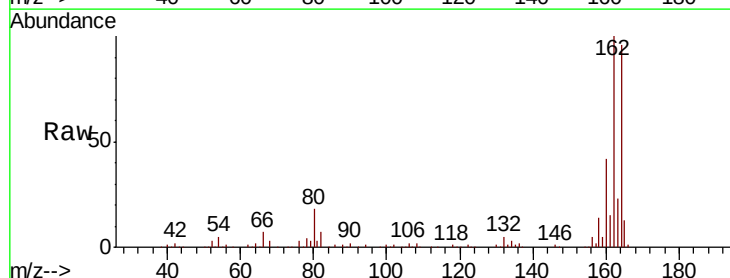
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57
 2,4-Dinitrotoluene
 Concen: 5.784 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG044515.D
 Acq: 20 Feb 2020 9:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.3	45.5#
89	1.6	53.4	80.2#
182	0.0	2.1	3.1#

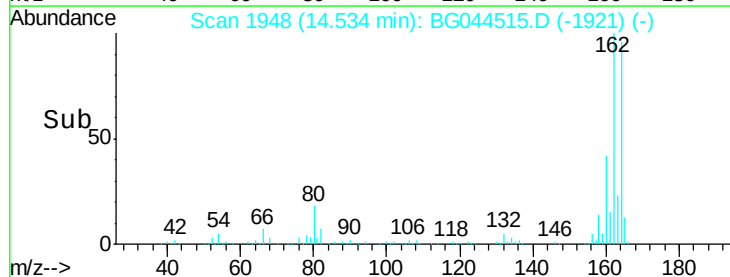
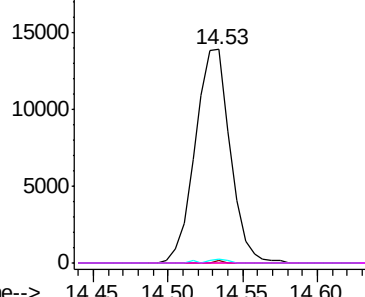


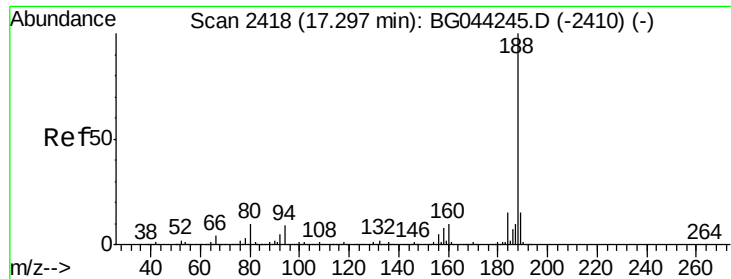
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG044515.D

Acq: 20 Feb 2020 9:10

Instrument :

BNA_G

ClientSampleId :

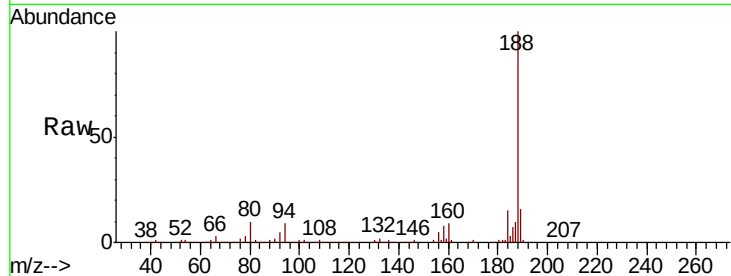
Tot Ion:188 Resp: 377516

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

300000

250000

200000

150000

100000

50000

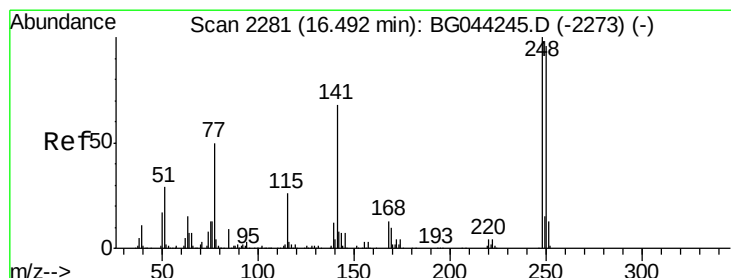
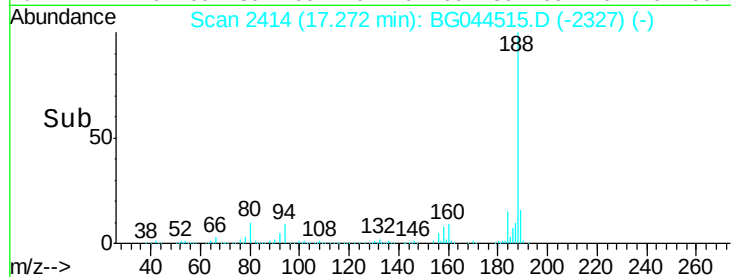
0

17.20

17.27

17.30

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.869 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.46 min

Lab File: BG044515.D

Acq: 20 Feb 2020 9:10

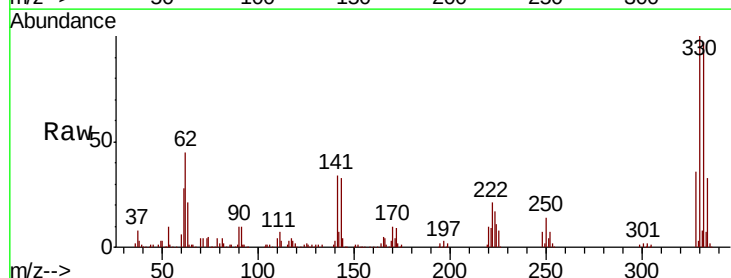
Tgt Ion:248 Resp: 15914

Ion Ratio Lower Upper

248 100

250 194.9 76.6 114.8#

141 488.7 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

60000

50000

40000

30000

20000

10000

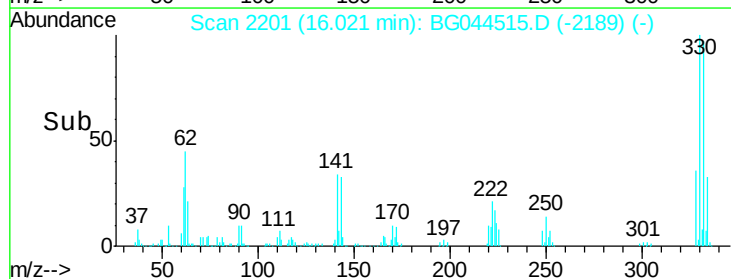
0

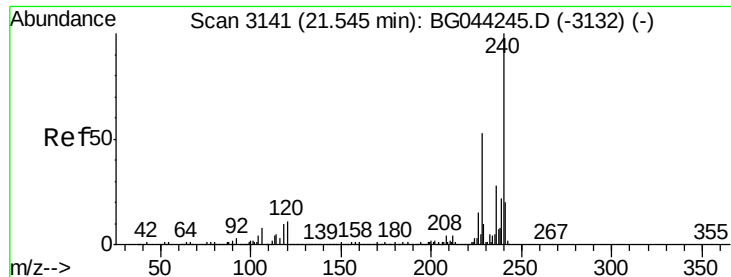
16.00

16.02

16.10

Time-->

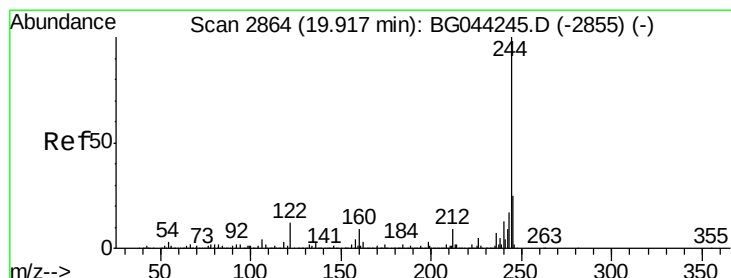
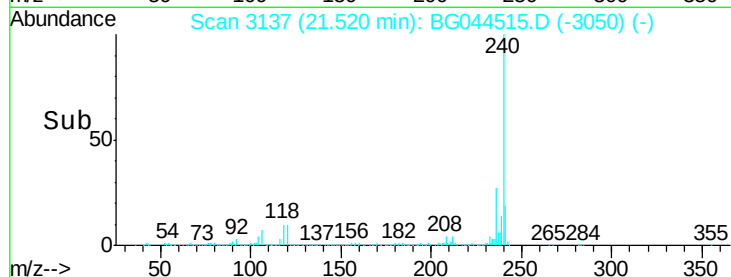
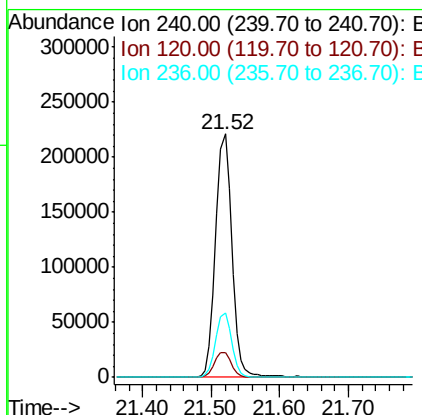
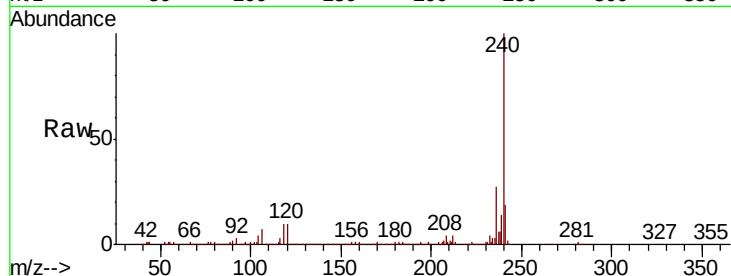




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG044515.D
Acq: 20 Feb 2020 9:10

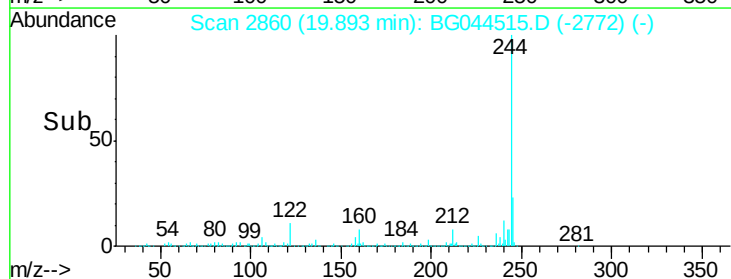
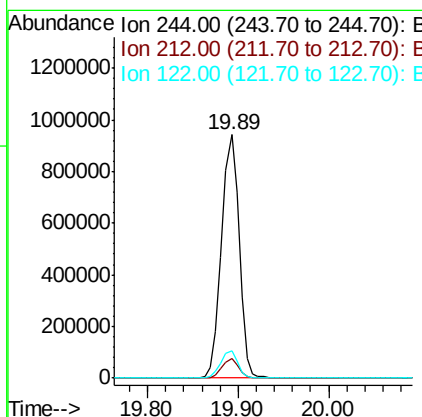
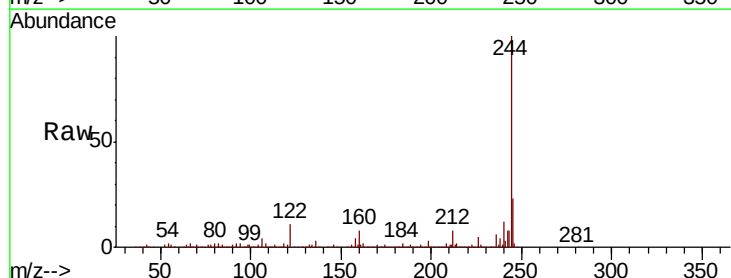
Instrument :
BNA_G
ClientSampleId :

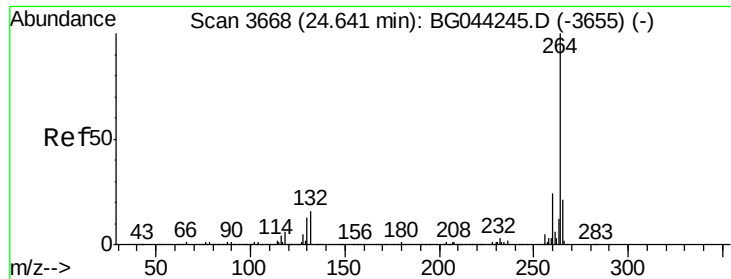
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.4	12.6
236	26.6	22.1	33.1



#79
Terphenyl-d14
Concen: 70.986 ng
RT: 19.89 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG044515.D
Acq: 20 Feb 2020 9:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.4	11.2
122	11.0	9.8	14.6

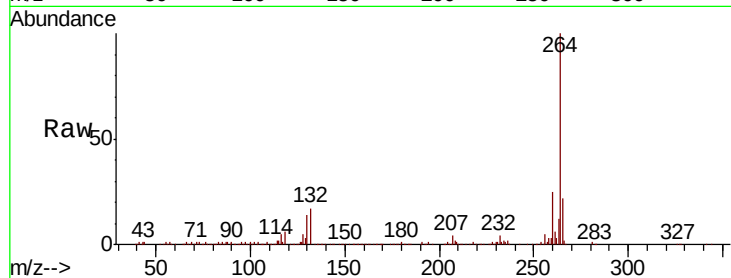




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.60 min Scan# 3661
Delta R.T. -0.02 min
Lab File: BG044515.D
Acq: 20 Feb 2020 9:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.7	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

