

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
 Data File : BG044540.D
 Acq On : 21 Feb 2020 3:45
 Operator : CG/JU
 Sample : PB126885BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 06:52:46 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

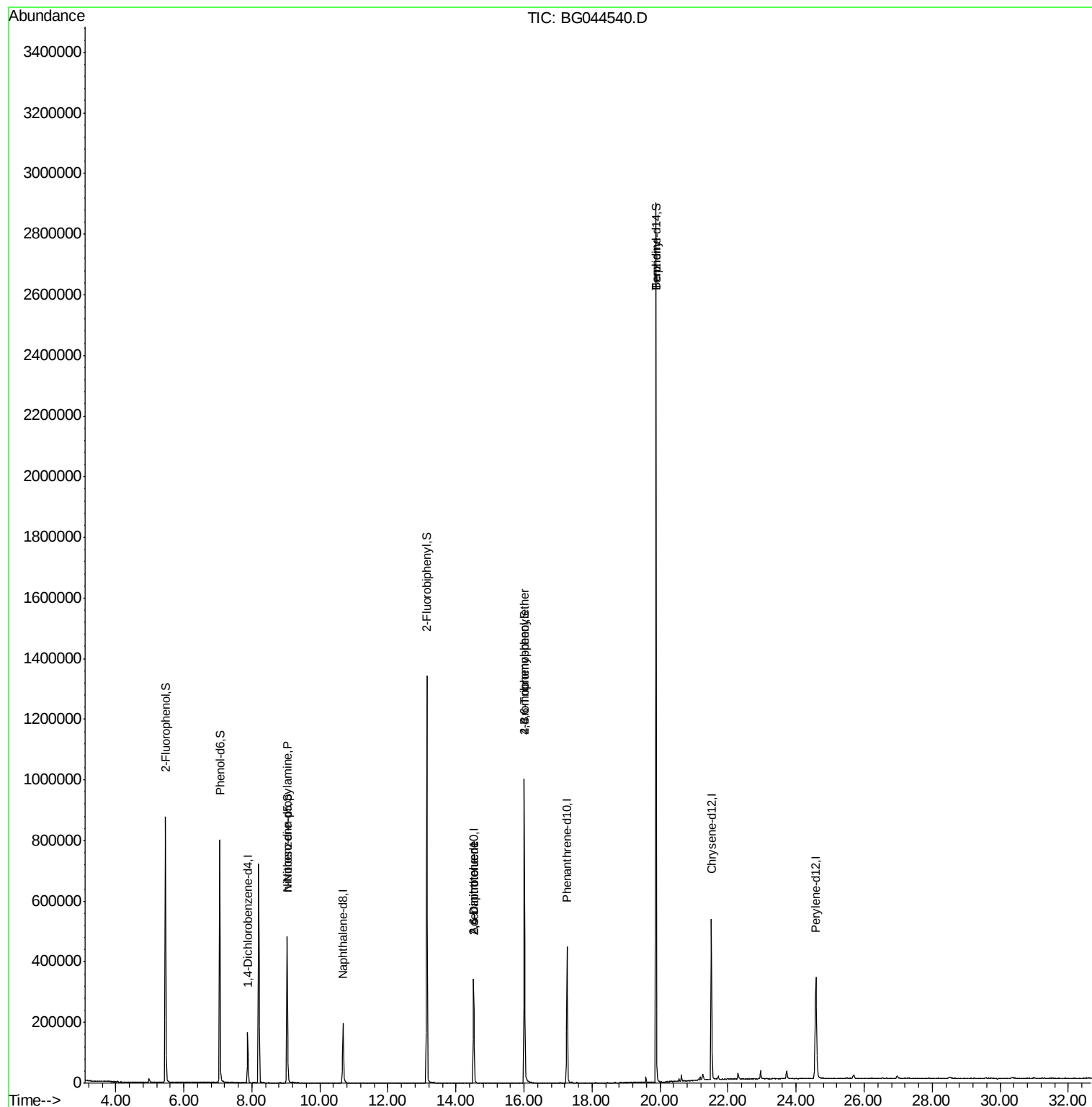
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	50432	20.00	ng	-0.03
21) Naphthalene-d8	10.68	136	202872	20.00	ng	-0.02
39) Acenaphthene-d10	14.52	164	133845	20.00	ng	-0.03
64) Phenanthrene-d10	17.26	188	311403	20.00	ng	-0.03
76) Chrysene-d12	21.51	240	334902	20.00	ng	-0.03
87) Perylene-d12	24.58	264	357894	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	432993	151.52	ng	-0.02
7) Phenol-d6	7.05	99	552322	143.93	ng	-0.03
23) Nitrobenzene-d5	9.04	82	325460	90.57	ng	-0.03
42) 2,4,6-Tribromophenol	16.01	330	214284	136.38	ng	-0.02
45) 2-Fluorobiphenyl	13.14	172	770302	96.37	ng	-0.02
79) Terphenyl-d14	19.88	244	1412268	86.74	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.04	70	42737	16.711	ng	# 71
51) 2,6-Dinitrotoluene	14.52	165	17547	8.180	ng	# 29
57) 2,4-Dinitrotoluene	14.52	165	17547	5.836	ng	# 27
67) 4-Bromophenyl-phenylether	16.01	248	14507	4.276	ng	# 1
77) Benzidine	19.88	184	21093	2.271	ng	# 91

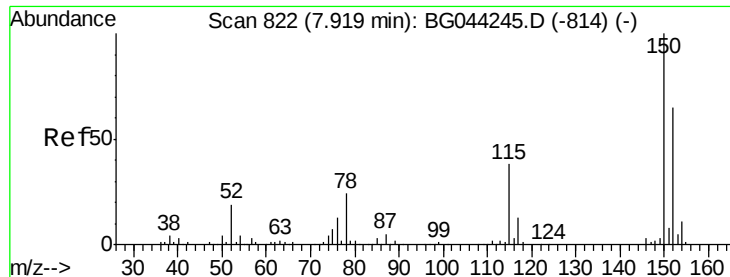
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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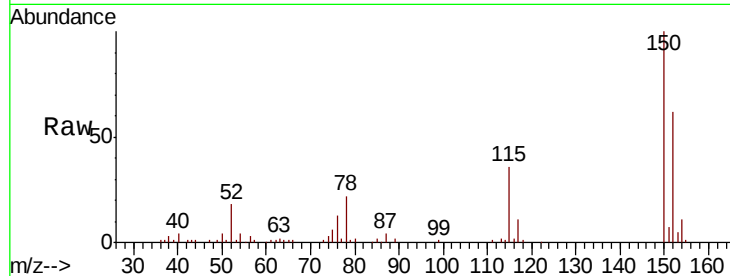


#1

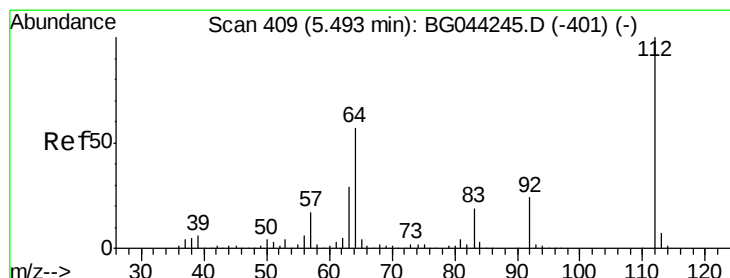
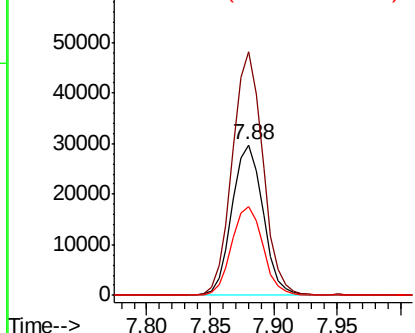
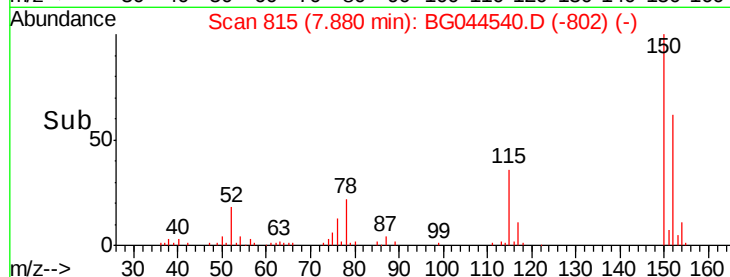
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 815
 Delta R.T. -0.03 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 50432
 Ion Ratio Lower Upper
 152 100
 150 161.7 122.6 183.8
 115 58.9 46.0 69.0



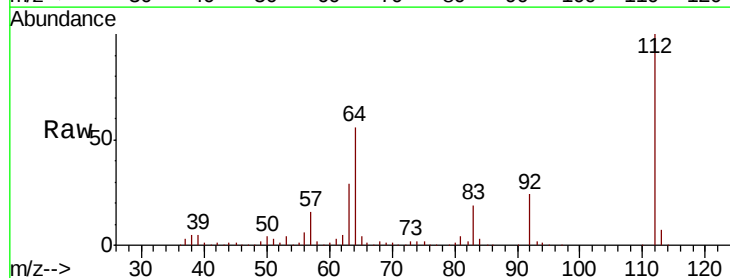
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



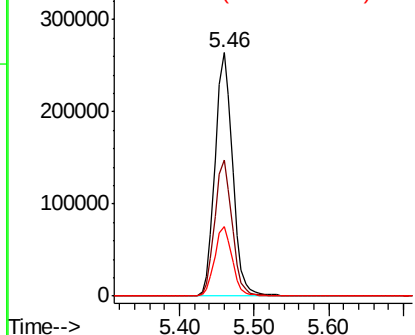
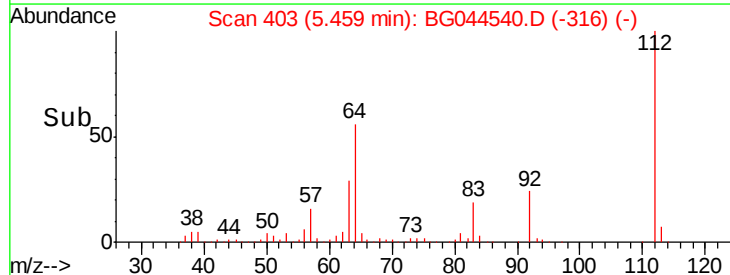
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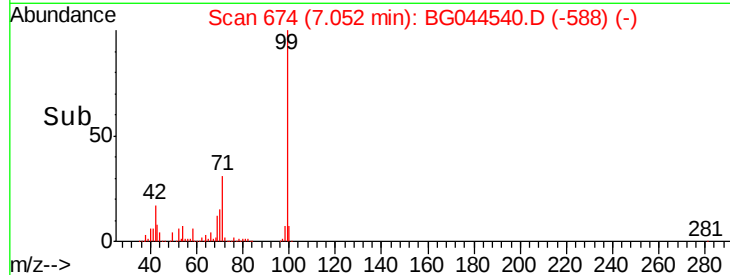
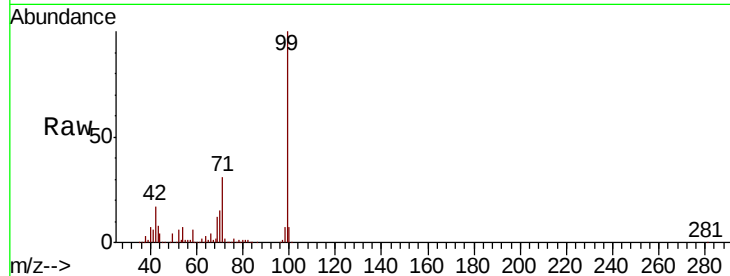
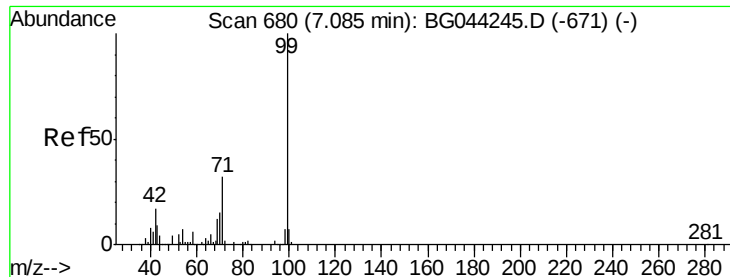
2-Fluorophenol
 Concen: 151.524 ng
 RT: 5.46 min Scan# 403
 Delta R.T. -0.02 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

Tgt Ion:112 Resp: 432993
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.4 68.2
 63 28.7 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: 143.934 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.03 min

Lab File: BG044540.D

Acq: 21 Feb 2020 3:45

Instrument :

BNA_G

ClientSampleId :

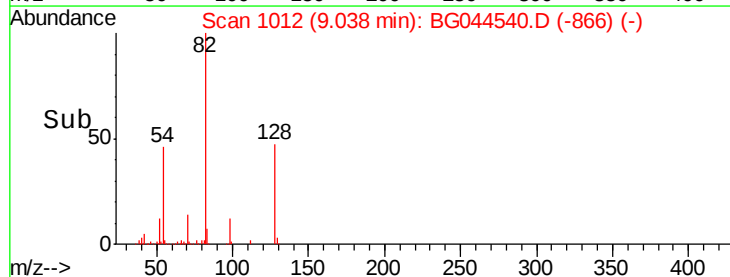
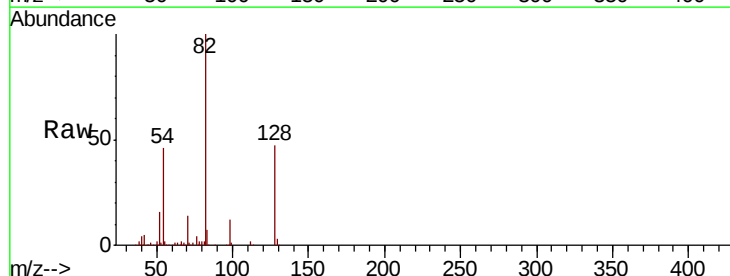
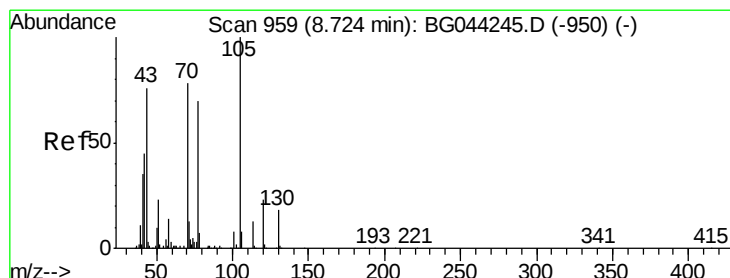
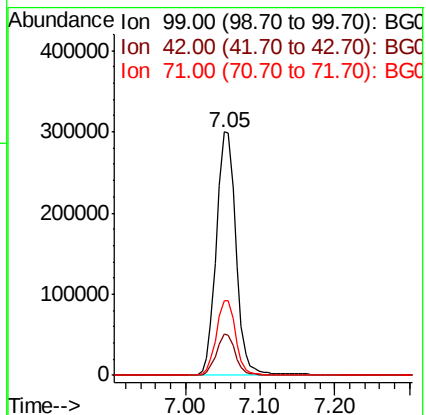
Tot Ion: 99 Resp: 552322

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.6

71 30.8 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.711 ng

RT: 9.04 min Scan# 1012

Delta R.T. 0.33 min

Lab File: BG044540.D

Acq: 21 Feb 2020 3:45

Tgt Ion: 70 Resp: 42737

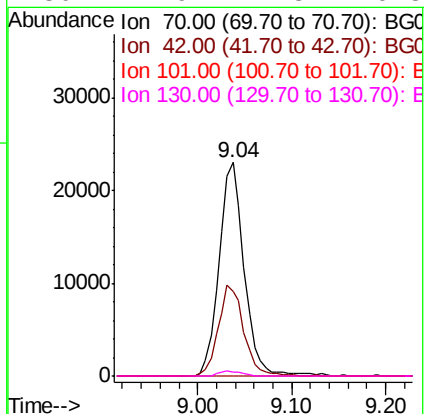
Ion Ratio Lower Upper

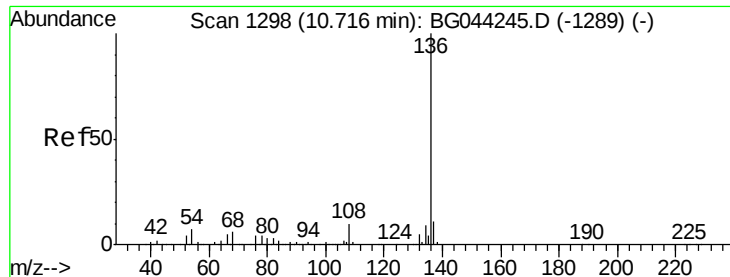
70 100

42 39.4 46.2 69.2#

101 0.0 8.4 12.6#

130 1.9 17.8 26.8#

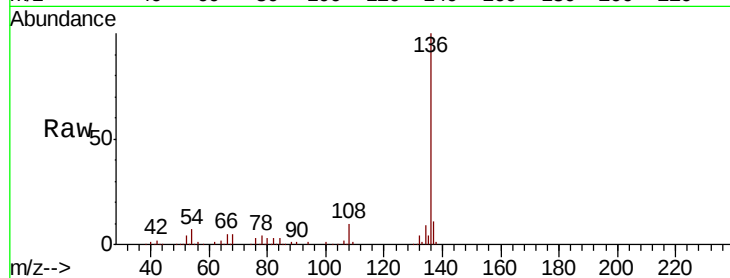




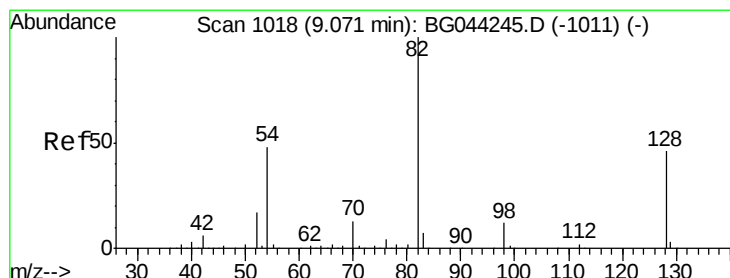
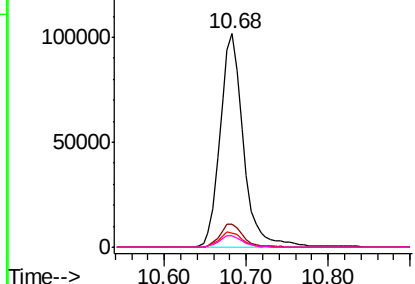
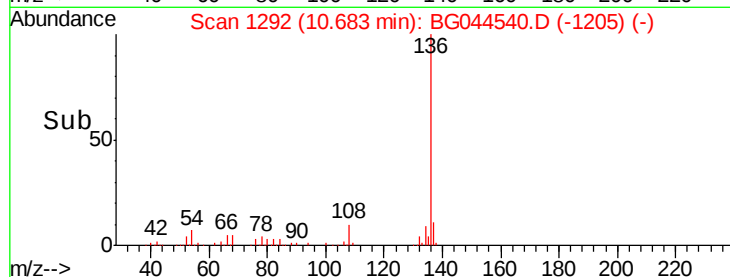
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BG044540.D
Acq: 21 Feb 2020 3:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	202872
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	6.5	5.8 8.8
68	5.1	4.6 6.8

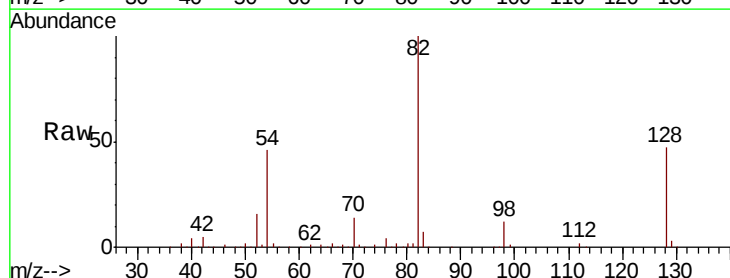


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

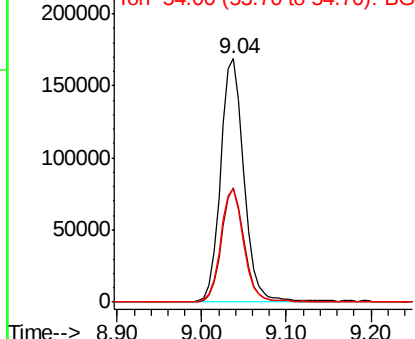
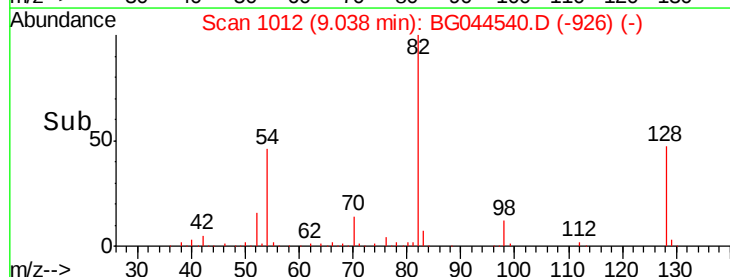


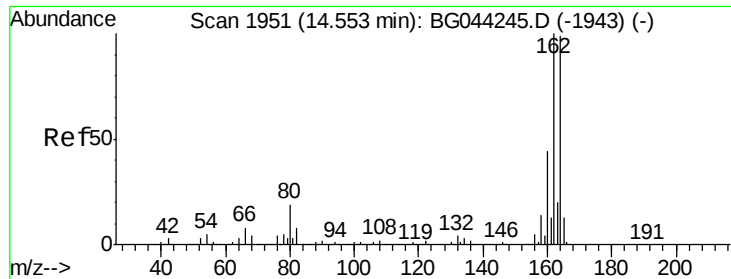
#23
Nitrobenzene-d5
Concen: 90.571 ng
RT: 9.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BG044540.D
Acq: 21 Feb 2020 3:45

Tgt Ion: 82	Resp:	325460
Ion Ratio	Lower	Upper
82	100	
128	46.8	36.5 54.7
54	46.4	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

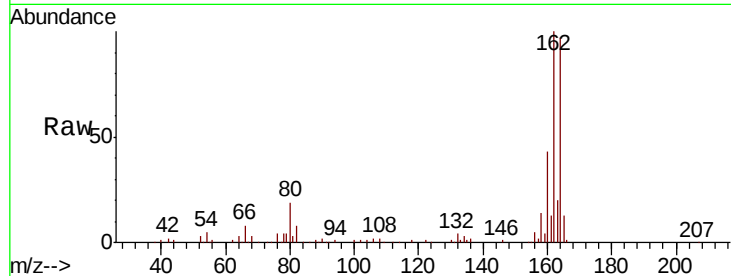




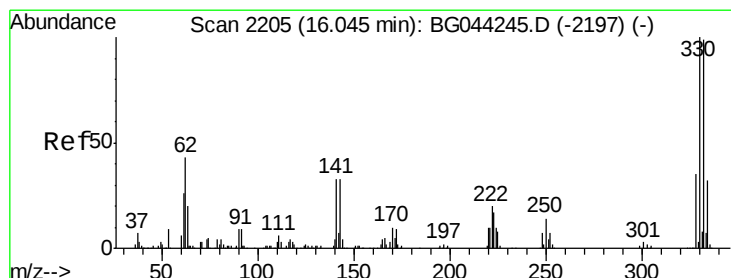
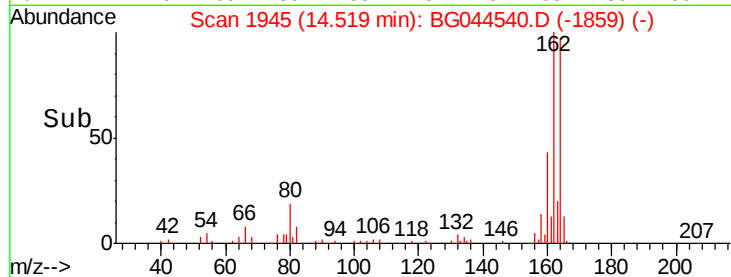
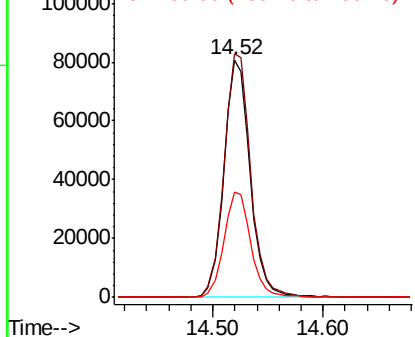
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.03 min
Lab File: BG044540.D
Acq: 21 Feb 2020 3:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 133845
Ion Ratio Lower Upper
164 100
162 102.6 80.7 121.1
160 44.3 35.3 52.9

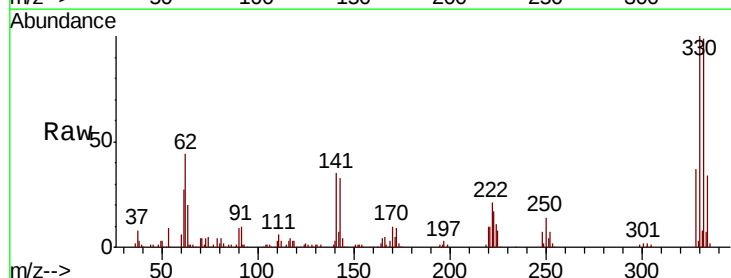


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

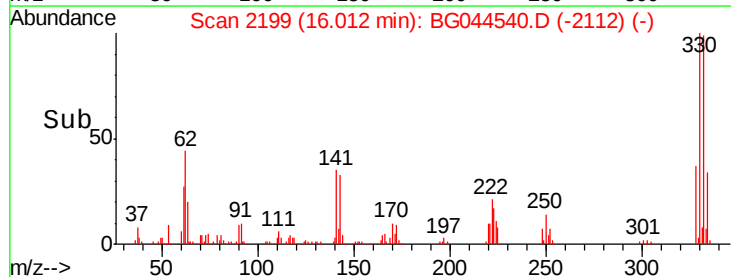
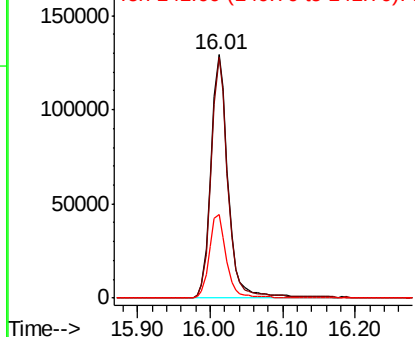


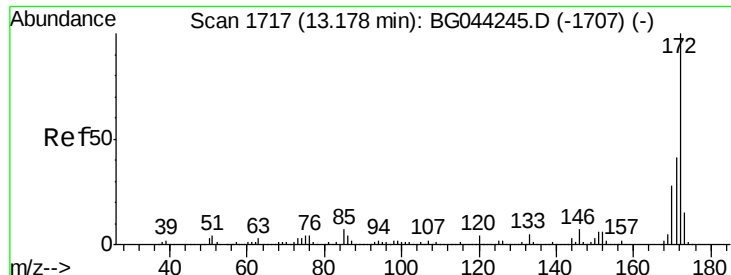
#42
2,4,6-Tribromophenol
Concen: 136.377 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BG044540.D
Acq: 21 Feb 2020 3:45

Tgt Ion:330 Resp: 214284
Ion Ratio Lower Upper
330 100
332 96.0 77.2 115.8
141 34.3 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

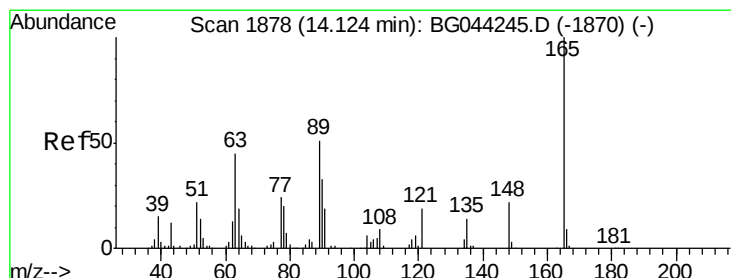
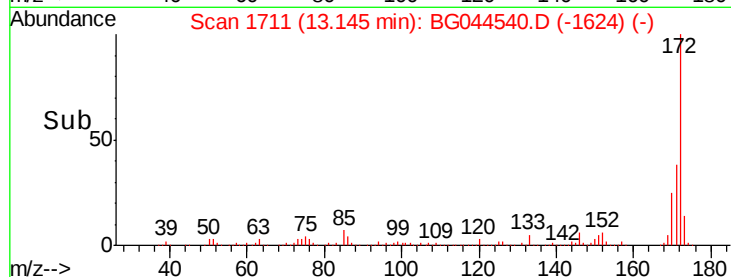
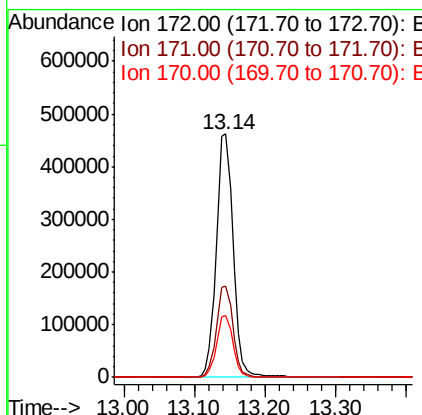
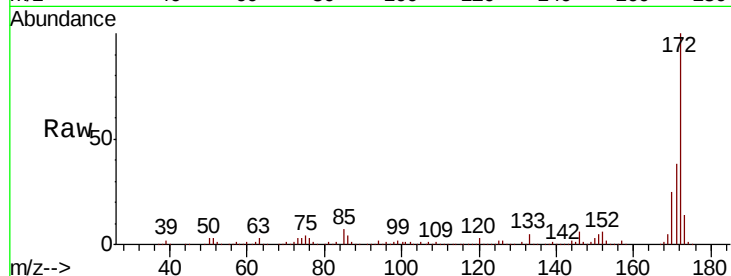




#45
 2-Fluorobiphenyl
 Concen: 96.374 ng
 RT: 13.14 min Scan# 1711
 Delta R.T. -0.02 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

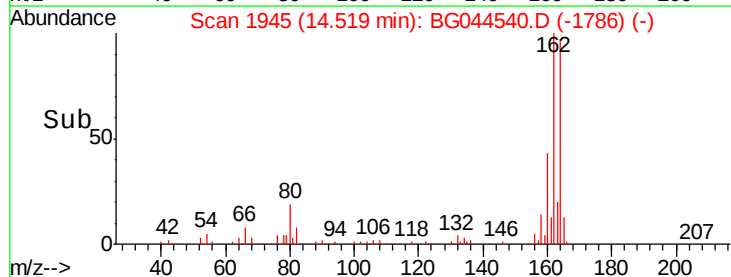
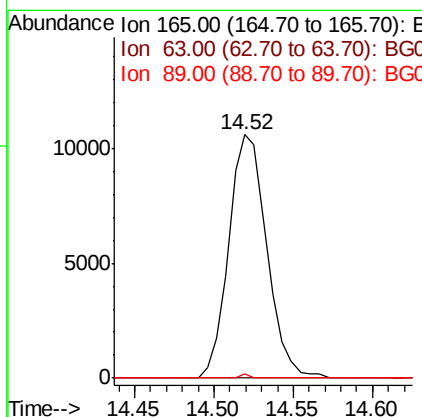
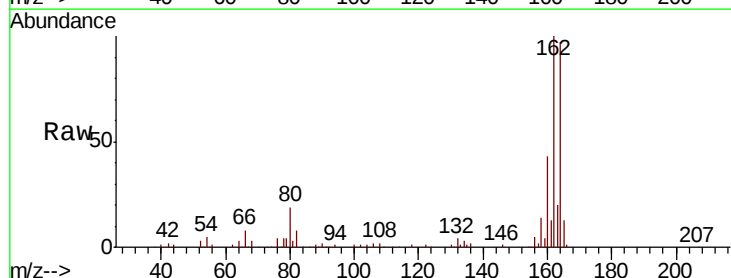
Instrument :
 BNA_G
 ClientSampleId :

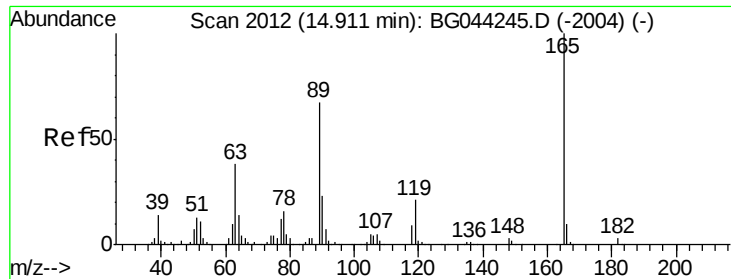
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	32.9	49.3
170	25.3	22.0	33.0



#51
 2,6-Dinitrotoluene
 Concen: 8.180 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. 0.40 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.5	40.4	60.6#

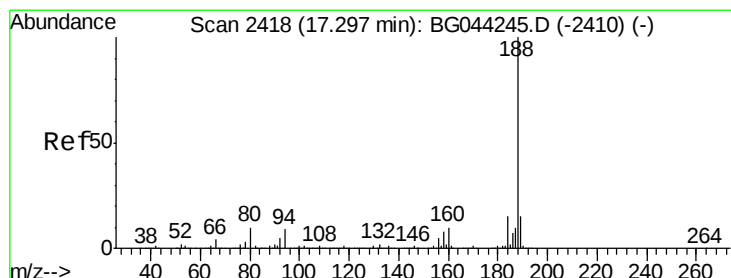
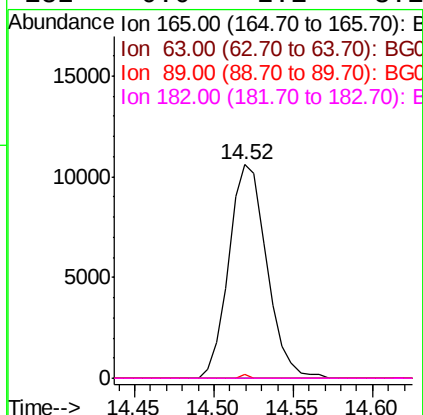
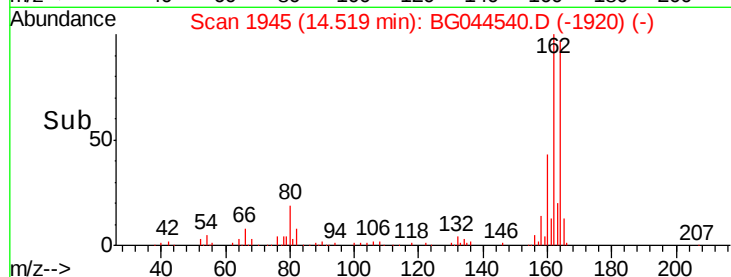
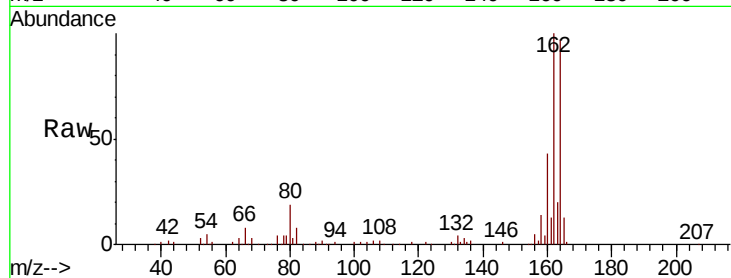




#57
 2,4-Dinitrotoluene
 Concen: 5.836 ng
 RT: 14.52 min Scan# 1945
 Delta R.T. -0.38 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

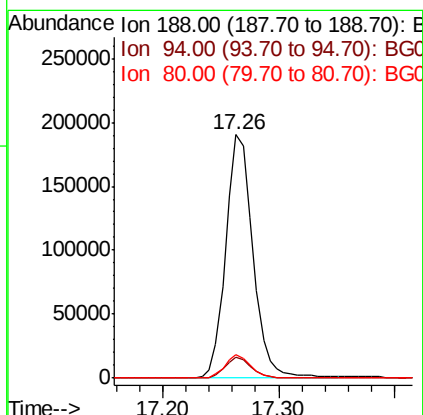
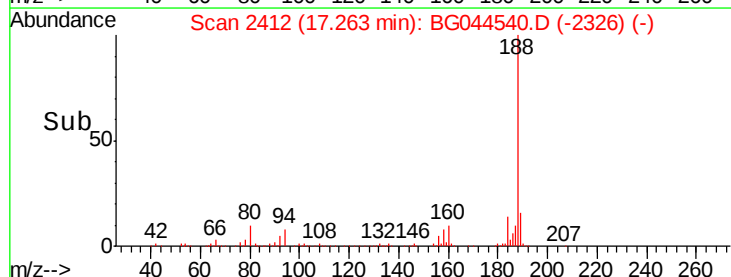
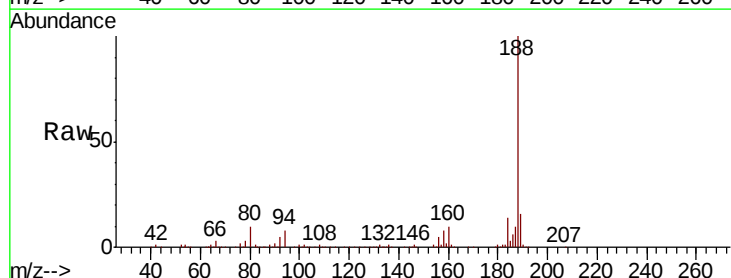
Instrument :
 BNA_G
 ClientSampleId :

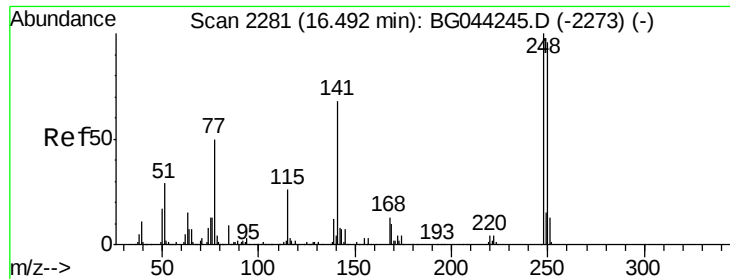
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.5	53.4	80.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.26 min Scan# 2412
 Delta R.T. -0.03 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.2
80	9.8	7.7	11.5

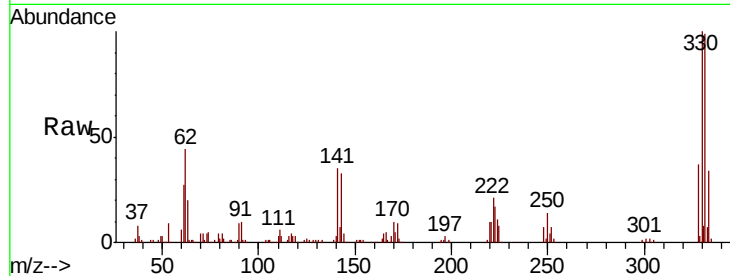




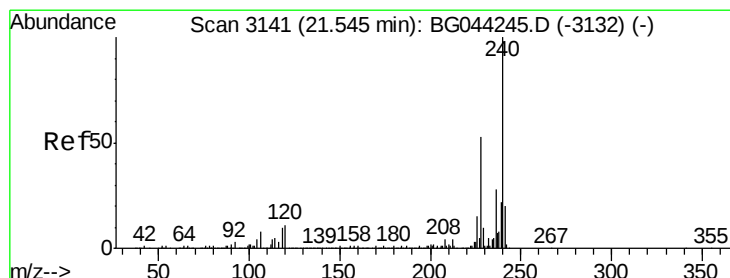
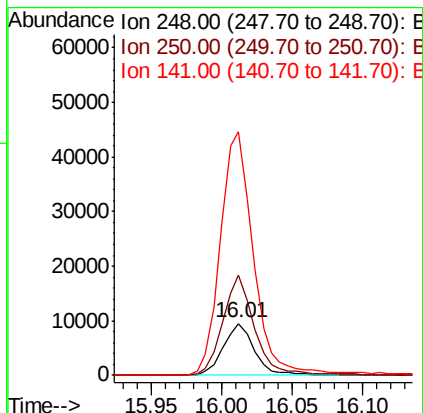
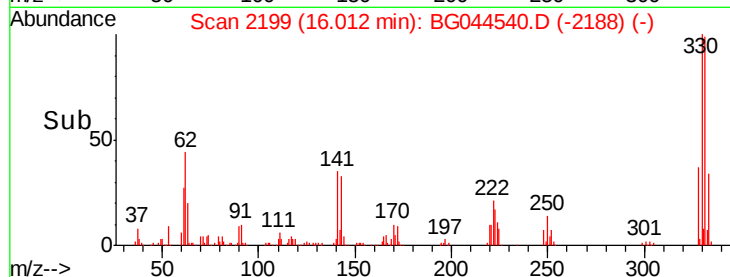
#67
 4-Bromophenyl-phenylether
 Concen: 4.276 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. -0.47 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14507
 Ion Ratio Lower Upper
 248 100
 250 193.6 76.6 114.8#
 141 470.2 54.7 82.1#

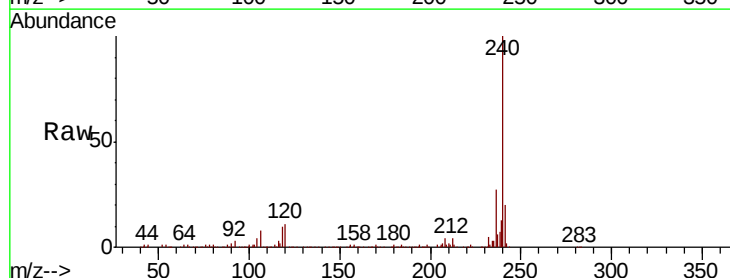


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

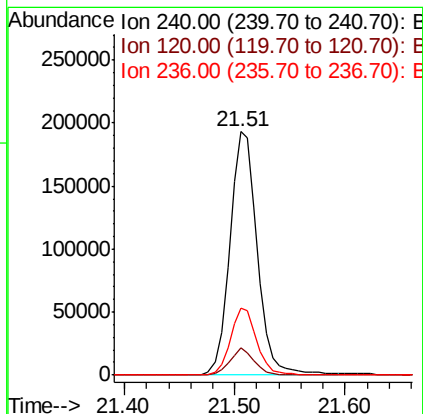
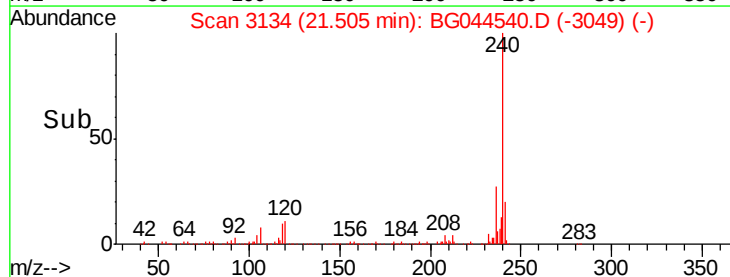


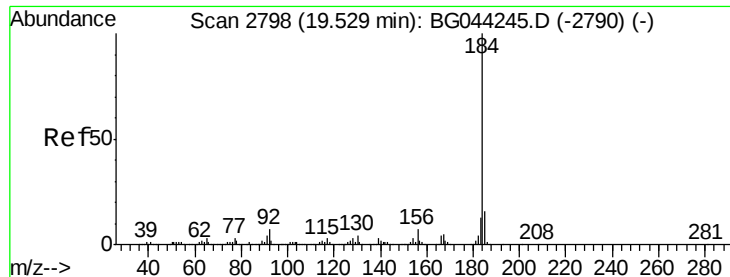
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3134
 Delta R.T. -0.03 min
 Lab File: BG044540.D
 Acq: 21 Feb 2020 3:45

Tgt Ion:240 Resp: 334902
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.4 12.6
 236 27.3 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: 2.271 ng

RT: 19.88 min Scan# 2858

Delta R.T. 0.36 min

Lab File: BG044540.D

Acq: 21 Feb 2020 3:45

Instrument :

BNA_G

ClientSampleId :

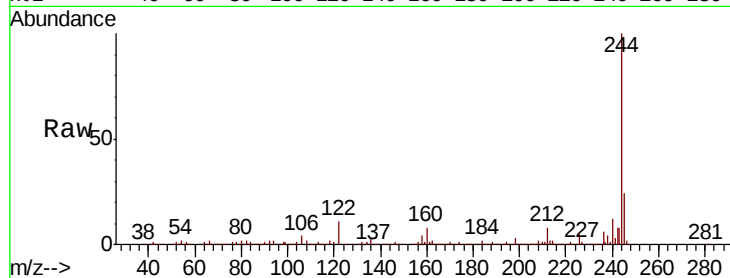
Tot Ion:184 Resp: 21093

Ion Ratio Lower Upper

184 100

185 18.0 12.9 19.3

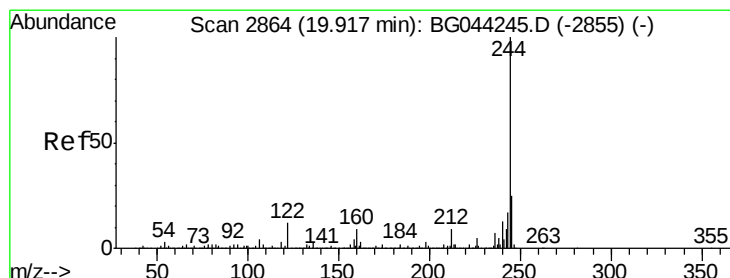
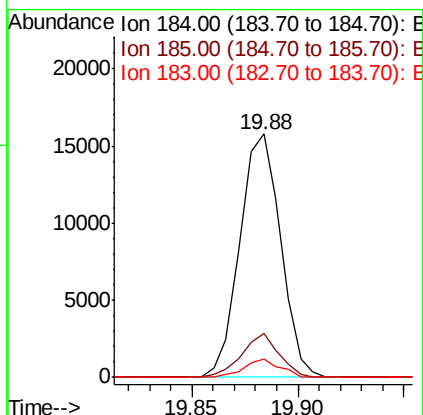
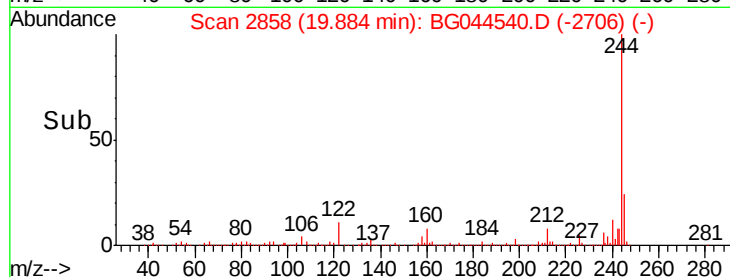
183 7.5 10.8 16.2#



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: 86.737 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BG044540.D

Acq: 21 Feb 2020 3:45

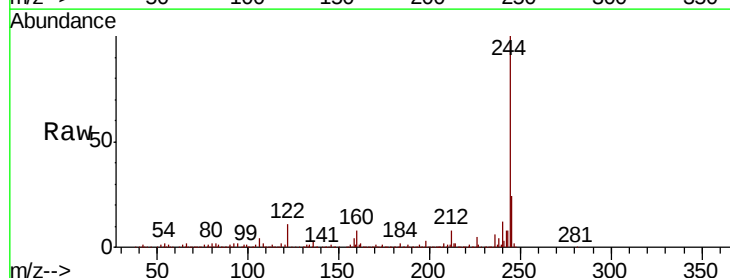
Tgt Ion:244 Resp: 1412268

Ion Ratio Lower Upper

244 100

212 8.1 7.4 11.2

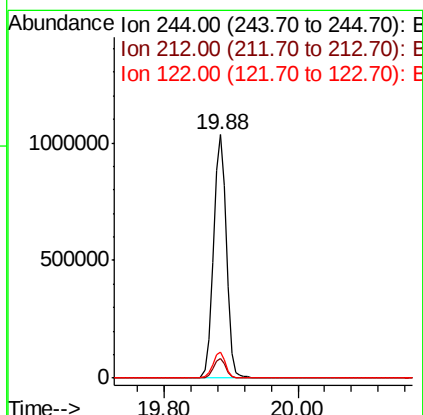
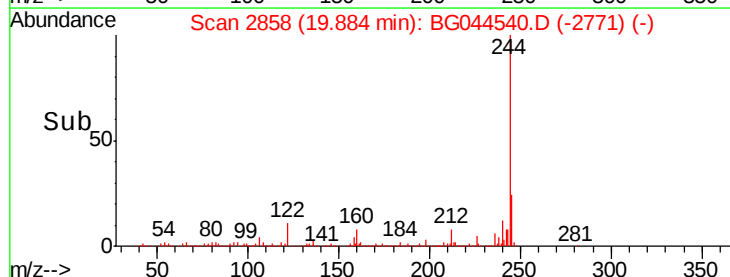
122 10.7 9.8 14.6

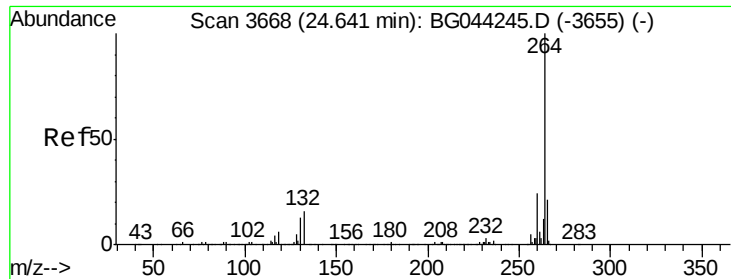


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.58 min Scan# 3657
Delta R.T. -0.04 min
Lab File: BG044540.D
Acq: 21 Feb 2020 3:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.8	16.7	25.1

