

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
 Data File : BG044524.D
 Acq On : 20 Feb 2020 17:17
 Operator : CG/JU
 Sample : L1566-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 06:49:04 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

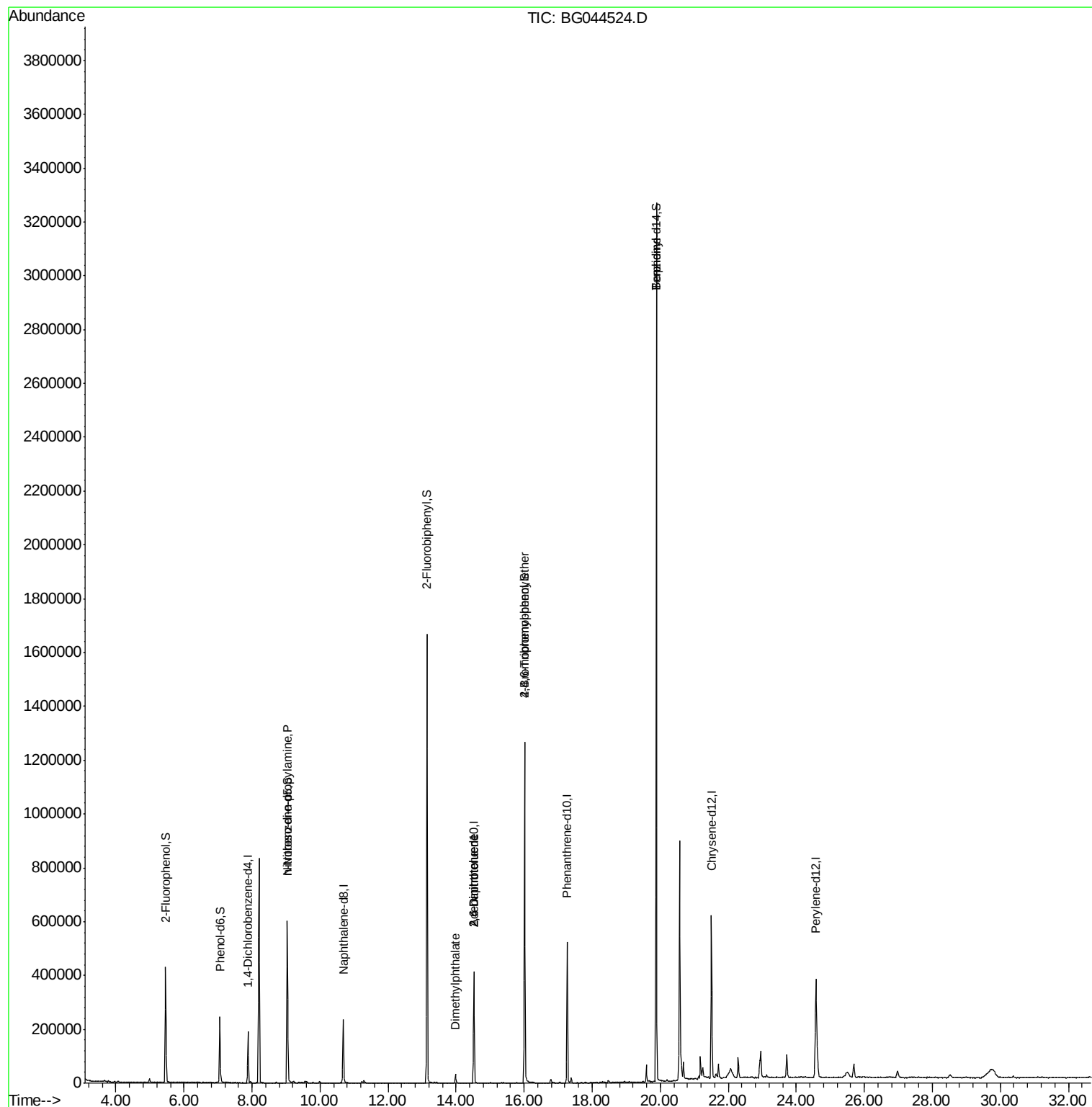
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	57440	20.00	ng	-0.02
21) Naphthalene-d8	10.68	136	234187	20.00	ng	-0.02
39) Acenaphthene-d10	14.52	164	151993	20.00	ng	-0.02
64) Phenanthrene-d10	17.26	188	346592	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	351244	20.00	ng	-0.03
87) Perylene-d12	24.57	264	374862	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	221642	68.10	ng	-0.02
7) Phenol-d6	7.05	99	168334	38.52	ng	-0.02
23) Nitrobenzene-d5	9.04	82	403771	97.34	ng	-0.02
42) 2,4,6-Tribromophenol	16.01	330	269512	151.05	ng	-0.02
45) 2-Fluorobiphenyl	13.15	172	941049	103.68	ng	-0.02
79) Terphenyl-d14	19.89	244	1589488	93.08	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.04	70	51446	17.662	ng	# 75
50) Dimethylphthalate	13.98	163	32567	2.981	ng	# 98
51) 2,6-Dinitrotoluene	14.52	165	20240	8.308	ng	# 28
57) 2,4-Dinitrotoluene	14.52	165	20240	5.928	ng	# 26
67) 4-Bromophenyl-phenylether	16.01	248	18011	4.770	ng	# 1
77) Benzidine	19.89	184	24576	2.523	ng	# 90

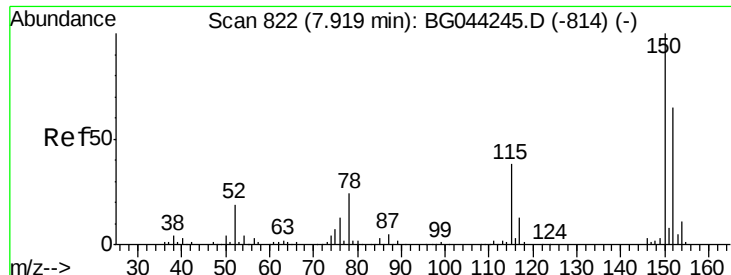
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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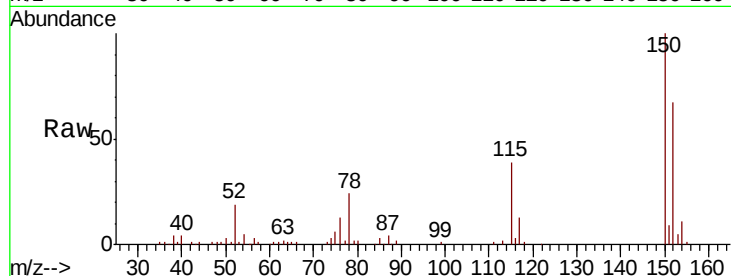


#1

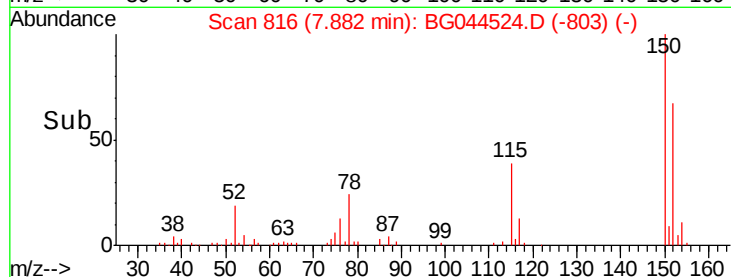
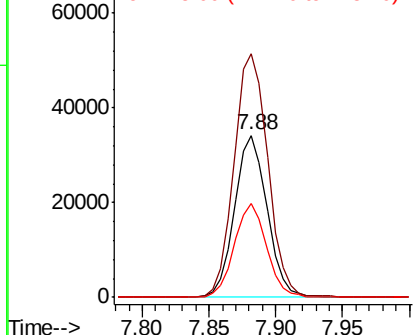
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BG044524.D
 Acq: 20 Feb 2020 17:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 57440
 Ion Ratio Lower Upper
 152 100
 150 150.1 122.6 183.8
 115 58.0 46.0 69.0



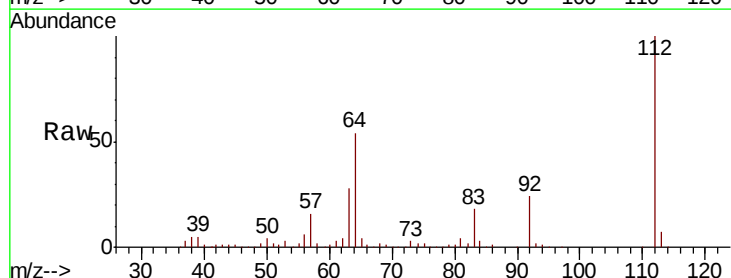
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



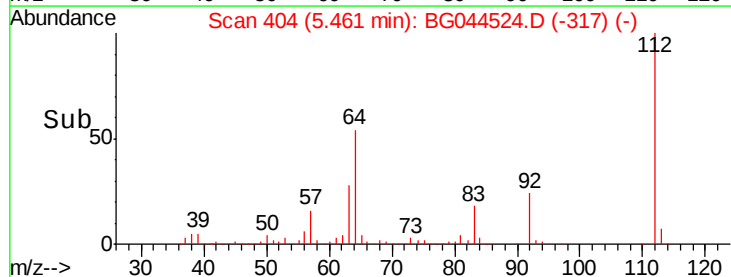
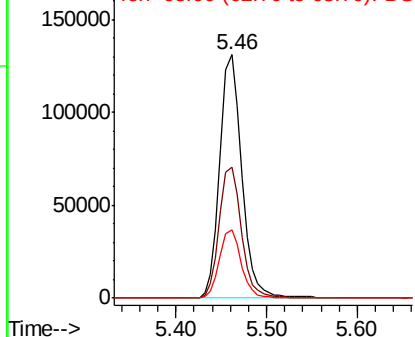
#5

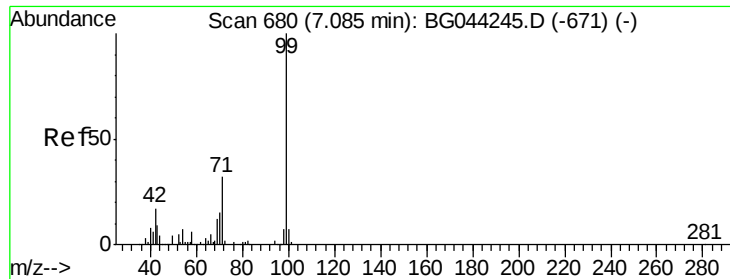
2-Fluorophenol
 Concen: 68.099 ng
 RT: 5.46 min Scan# 404
 Delta R.T. -0.02 min
 Lab File: BG044524.D
 Acq: 20 Feb 2020 17:17

Tgt Ion:112 Resp: 221642
 Ion Ratio Lower Upper
 112 100
 64 54.0 45.4 68.2
 63 28.1 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: 38.516 ng

RT: 7.05 min Scan# 675

Delta R.T. -0.02 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

Instrument :

BNA_G

ClientSampleId :

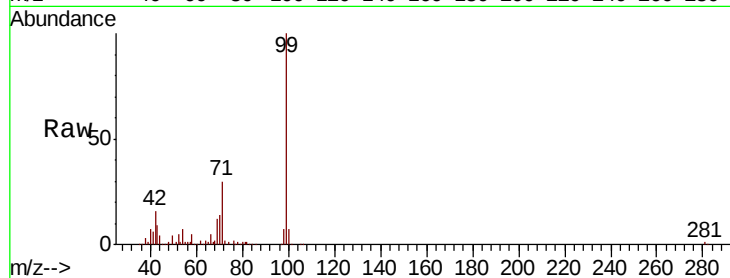
Tot Ion: 99 Resp: 168334

Ion Ratio Lower Upper

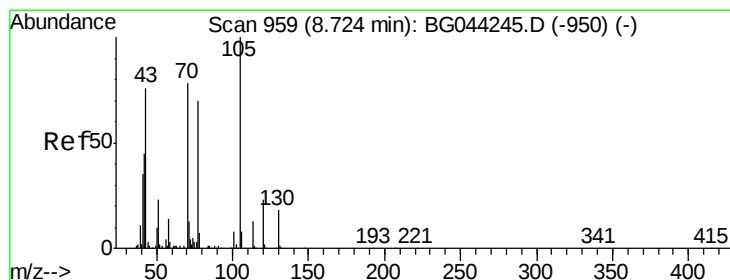
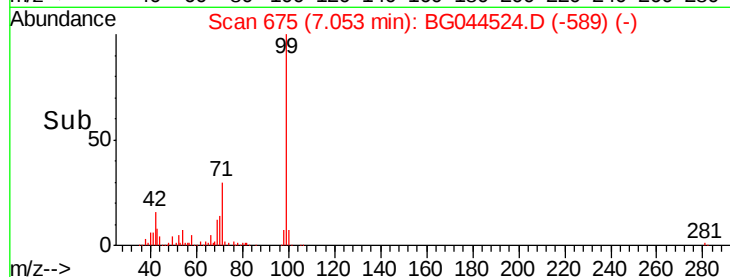
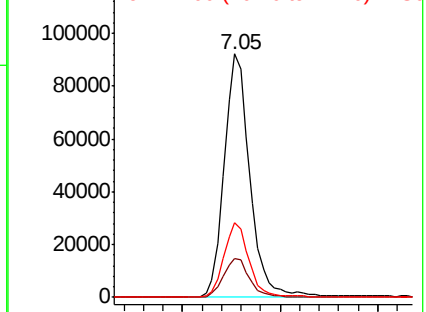
99 100

42 15.9 13.8 20.6

71 30.4 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: 17.662 ng

RT: 9.04 min Scan# 1013

Delta R.T. 0.33 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

Tgt Ion: 70 Resp: 51446

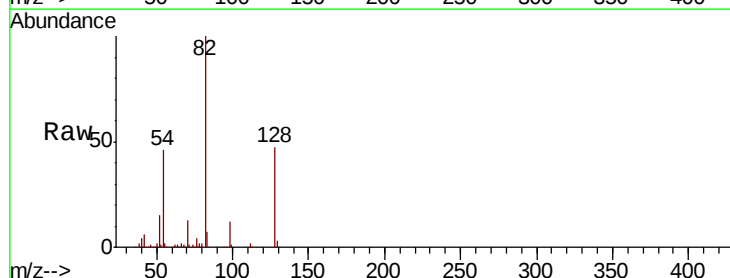
Ion Ratio Lower Upper

70 100

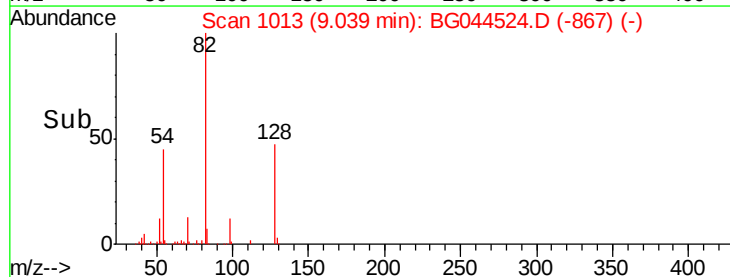
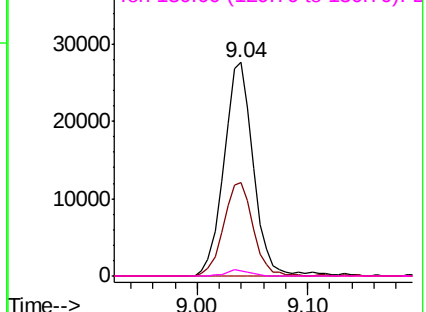
42 44.1 46.2 69.2#

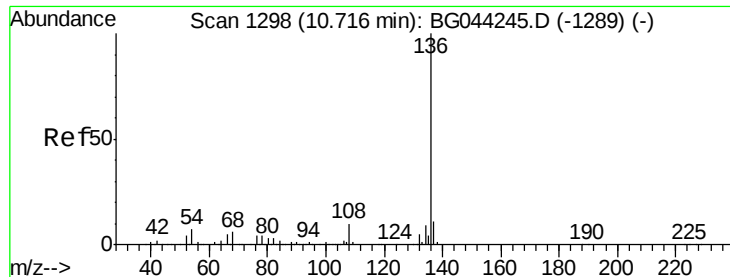
101 0.0 8.4 12.6#

130 2.6 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

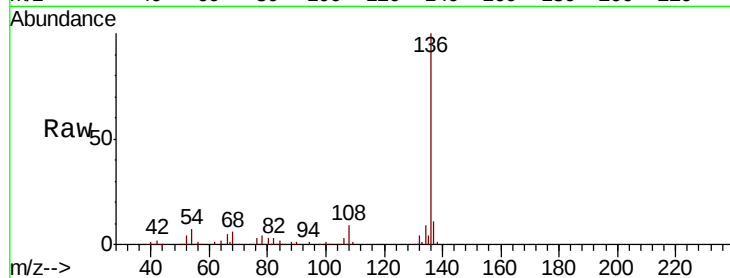




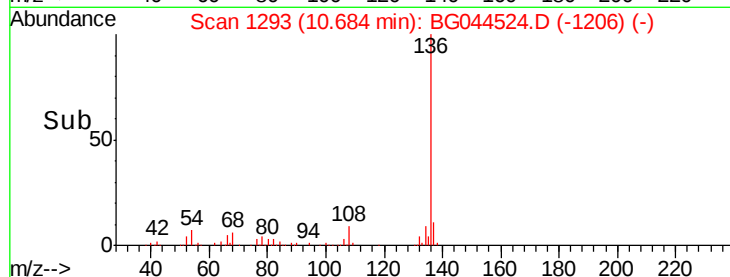
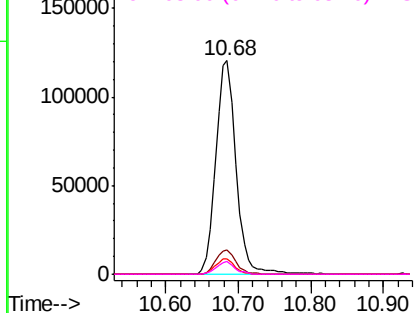
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BG044524.D
Acq: 20 Feb 2020 17:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	234187
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.8	13.2
54 7.4	5.8	8.8
68 5.7	4.6	6.8

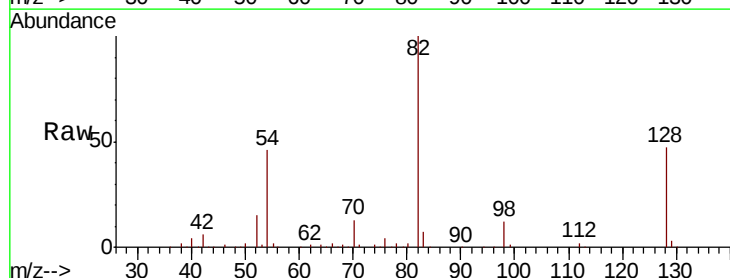


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

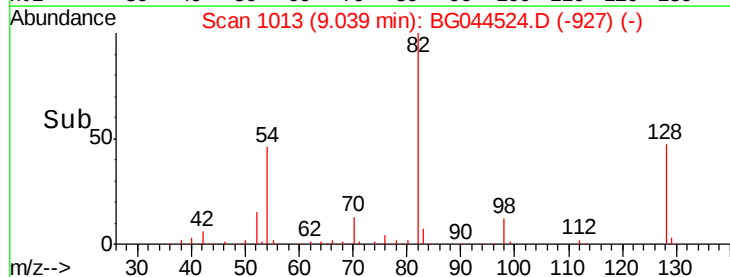
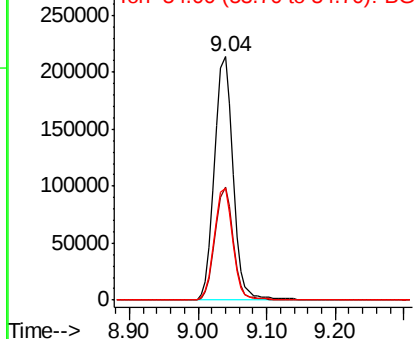


#23
Nitrobenzene-d5
Concen: 97.339 ng
RT: 9.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BG044524.D
Acq: 20 Feb 2020 17:17

Tgt	Ion: 82	Resp:	403771
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.5	54.7
54	46.1	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# 1946

Delta R.T. -0.02 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

Instrument :

BNA_G

ClientSampleId :

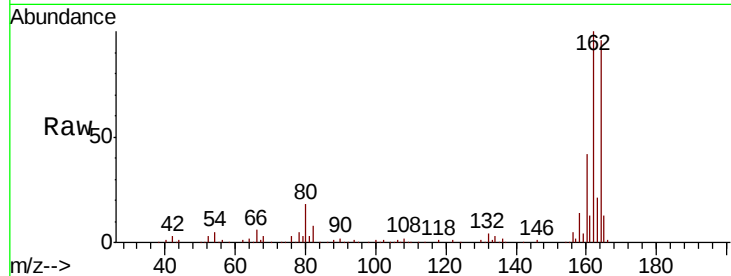
Tot Ion:164 Resp: 151993

Ion Ratio Lower Upper

164 100

162 103.9 80.7 121.1

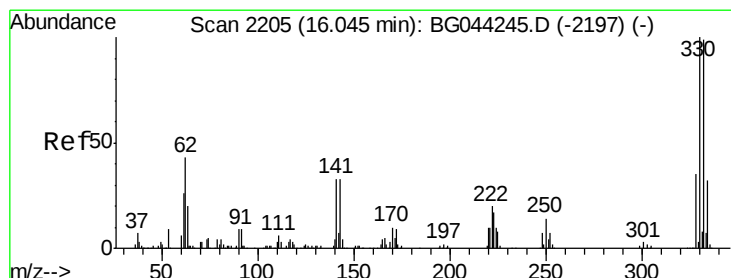
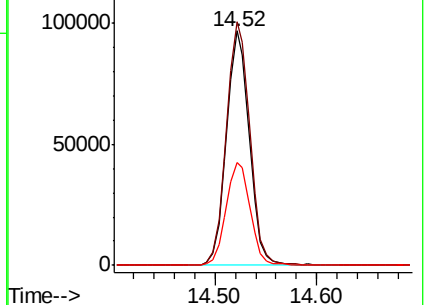
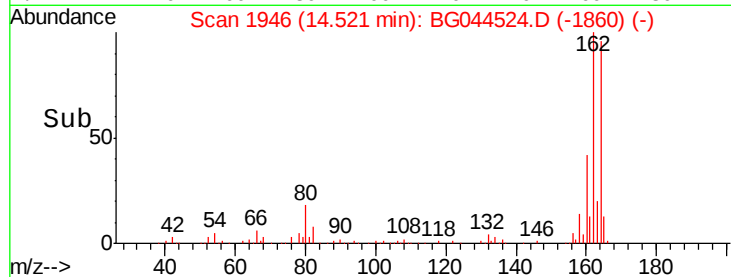
160 43.8 35.3 52.9



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: 151.045 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

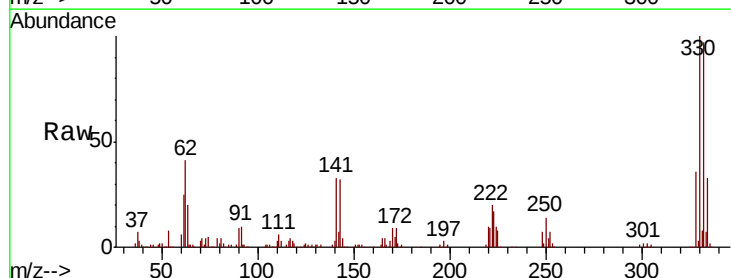
Tgt Ion:330 Resp: 269512

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

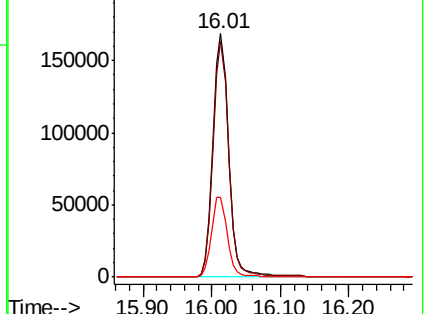
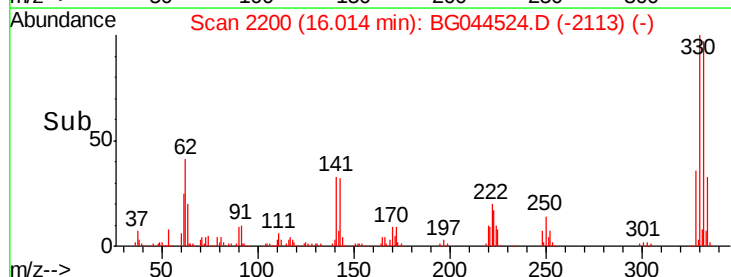
141 32.9 28.3 42.5



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

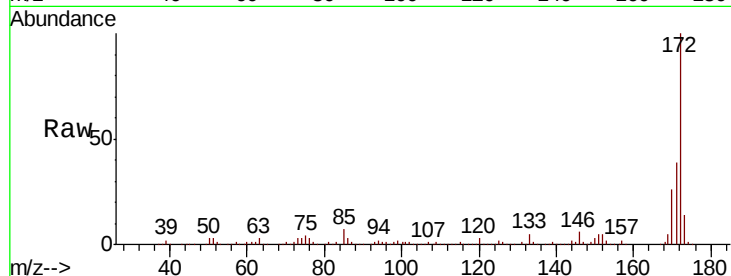




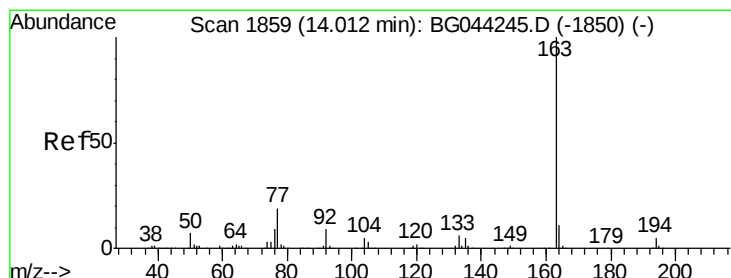
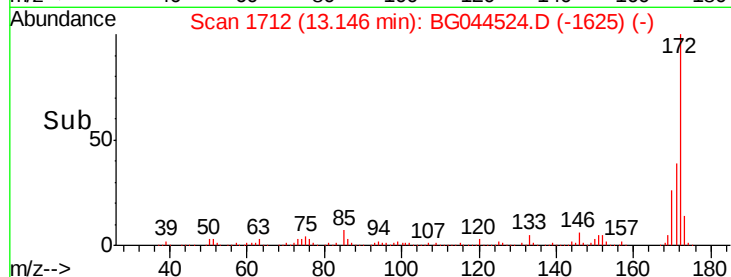
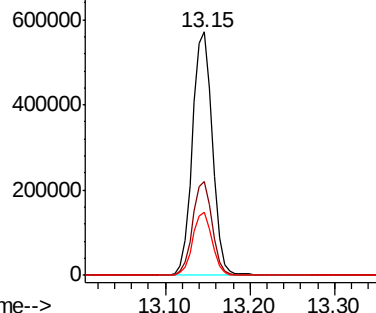
#45
2-Fluorobiphenyl
Concen: 103.678 ng
RT: 13.15 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BG044524.D
Acq: 20 Feb 2020 17:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	32.9	49.3
170	25.7	22.0	33.0

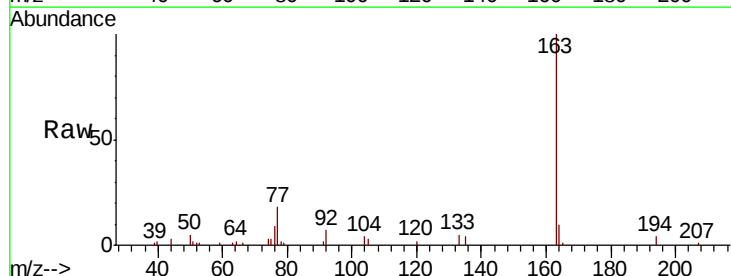


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

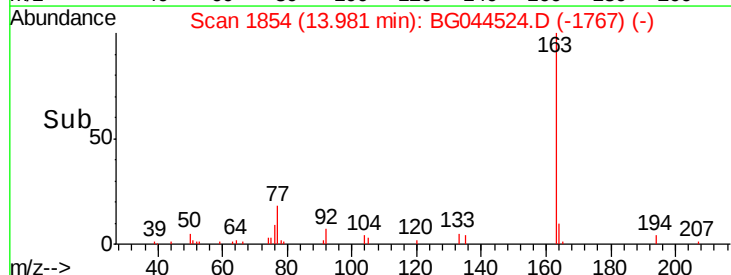
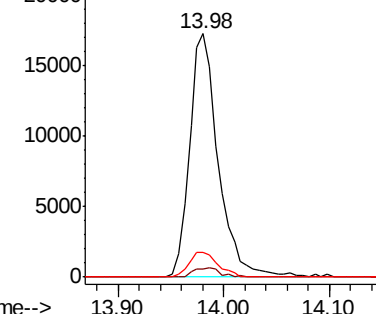


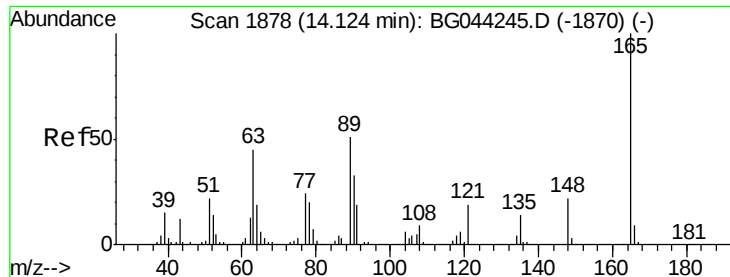
#50
Dimethylphthalate
Concen: 2.981 ng
RT: 13.98 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BG044524.D
Acq: 20 Feb 2020 17:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.6	5.4#
164	10.3	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

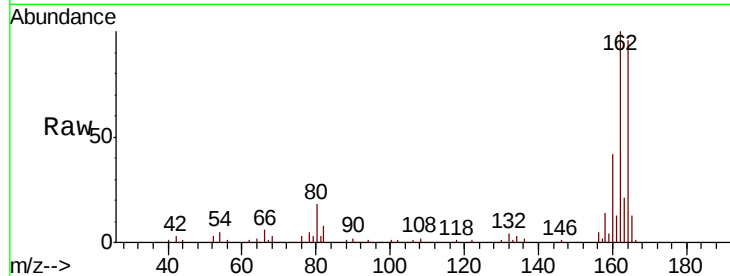




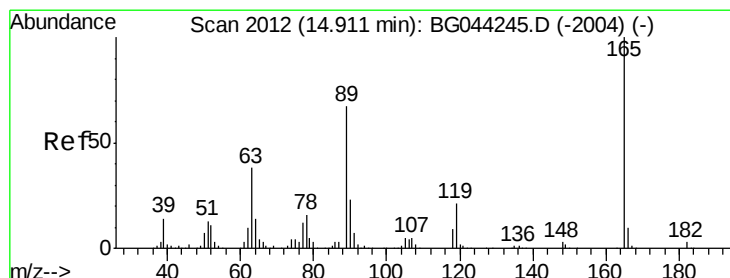
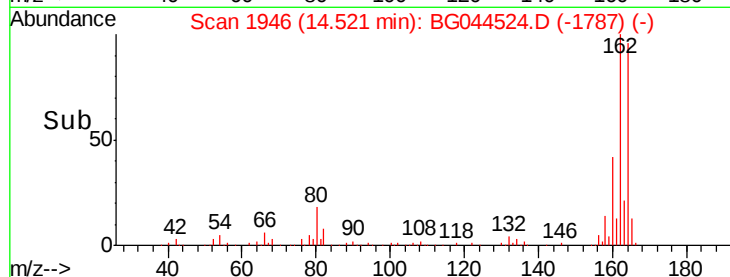
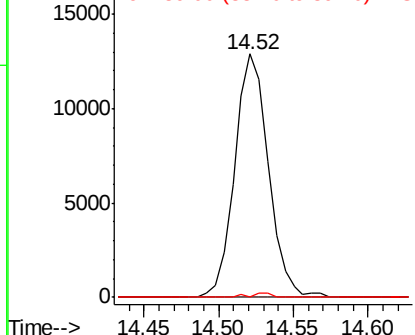
#51
2,6-Dinitrotoluene
Concen: 8.308 ng
RT: 14.52 min Scan# 1946
Delta R.T. 0.41 min
Lab File: BG044524.D
Acq: 20 Feb 2020 17:17

Instrument :
BNA_G
ClientSampleId :

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



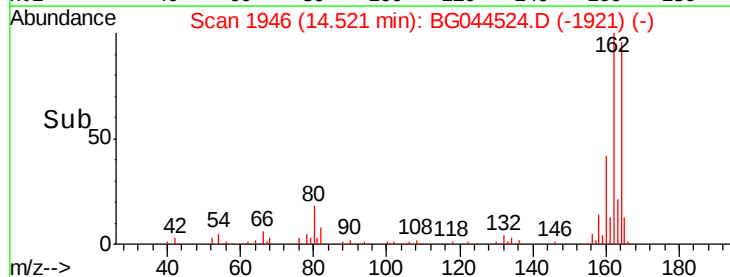
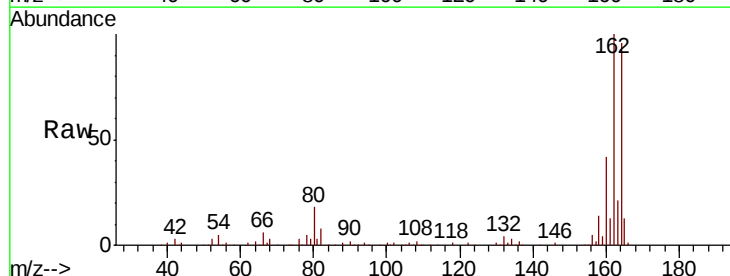
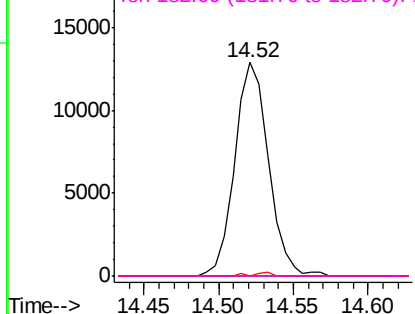
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

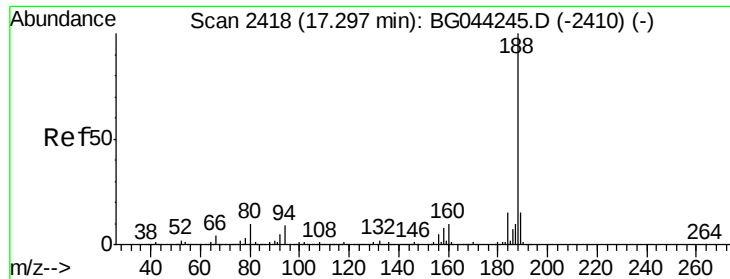


#57
2,4-Dinitrotoluene
Concen: 5.928 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.38 min
Lab File: BG044524.D
Acq: 20 Feb 2020 17:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	0.0	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: 17.26 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

Instrument :

BNA_G

ClientSampleId :

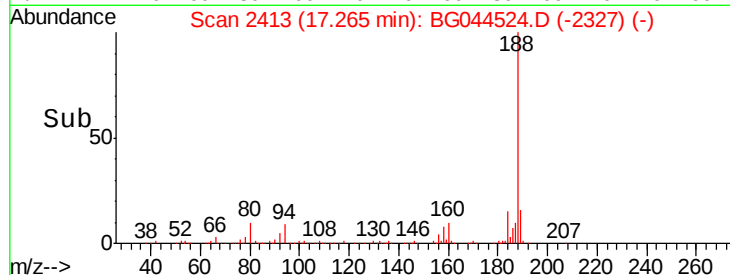
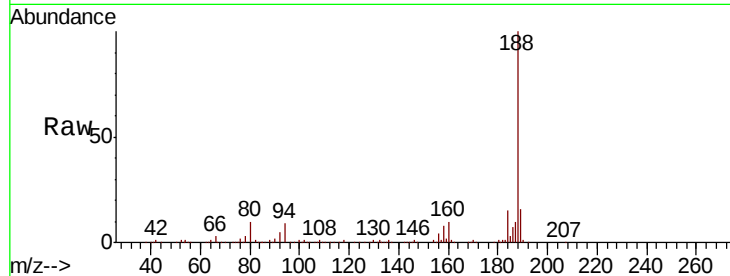
Tot Ion:188 Resp: 346592

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

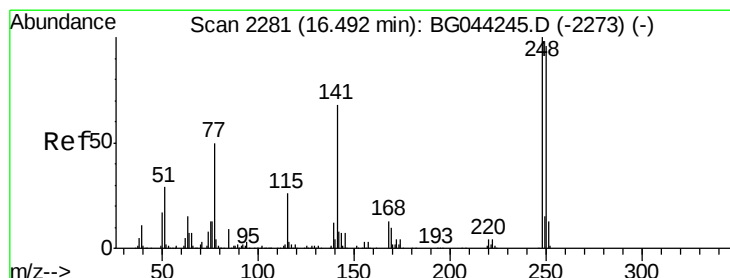
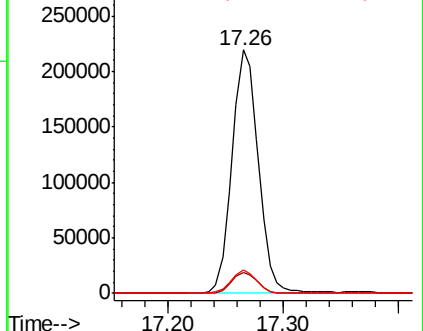
80 9.6 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 4.770 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

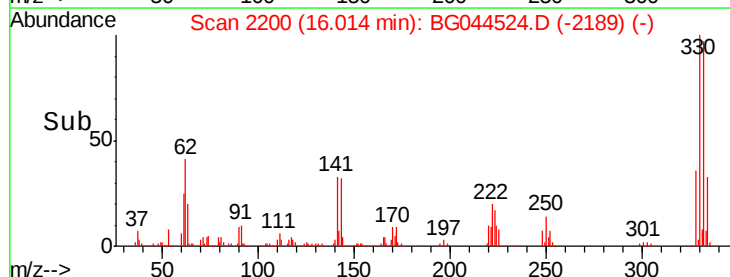
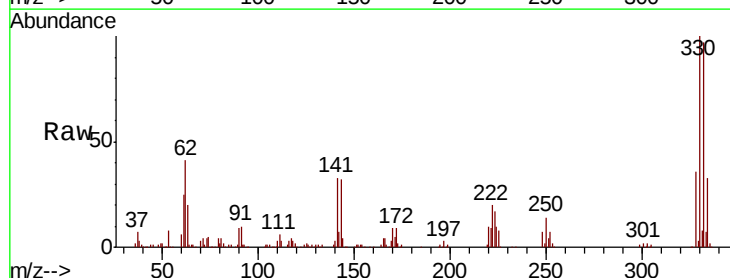
Tgt Ion:248 Resp: 18011

Ion Ratio Lower Upper

248 100

250 201.6 76.6 114.8#

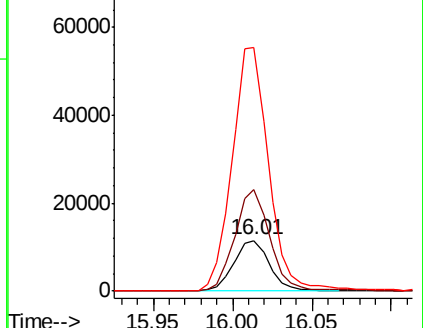
141 484.0 54.7 82.1#



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

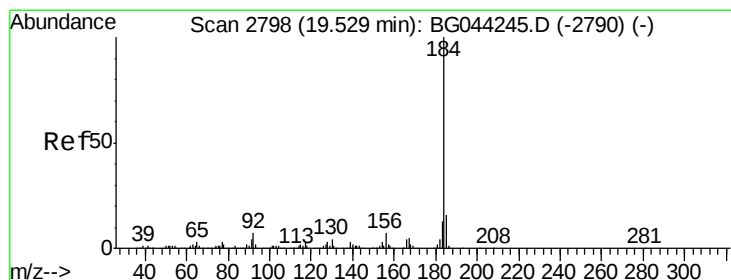
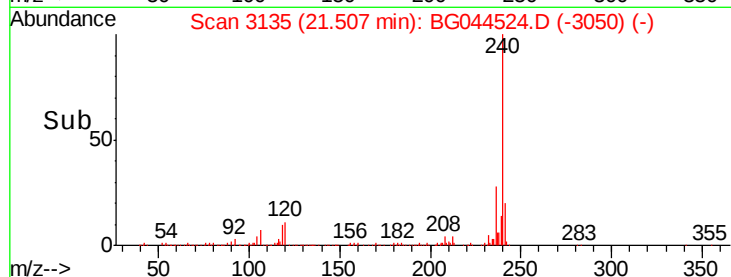
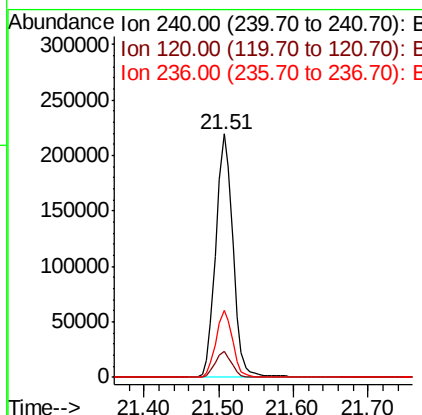
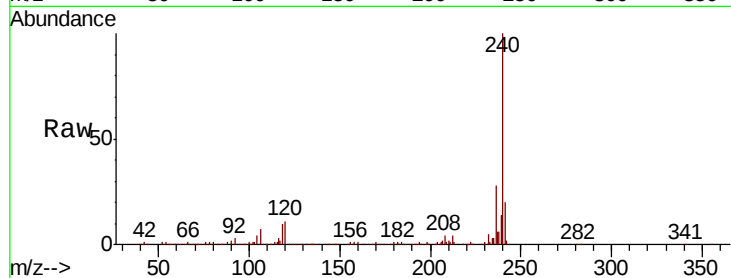




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3135
 Delta R.T. -0.03 min
 Lab File: BG044524.D
 Acq: 20 Feb 2020 17:17

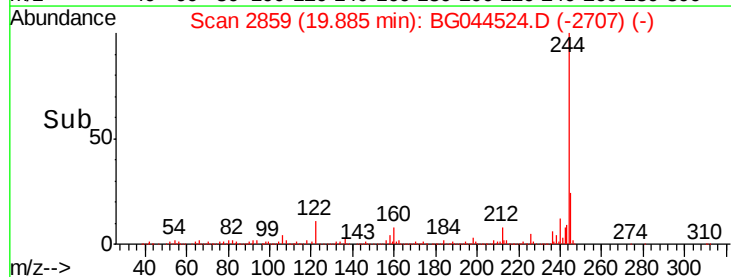
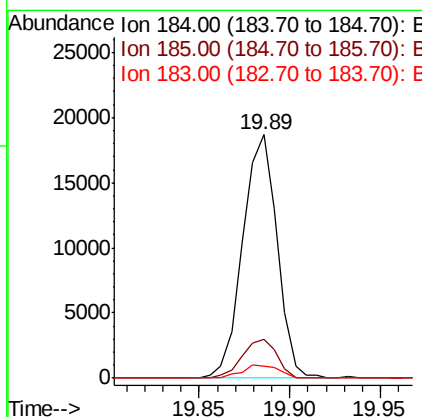
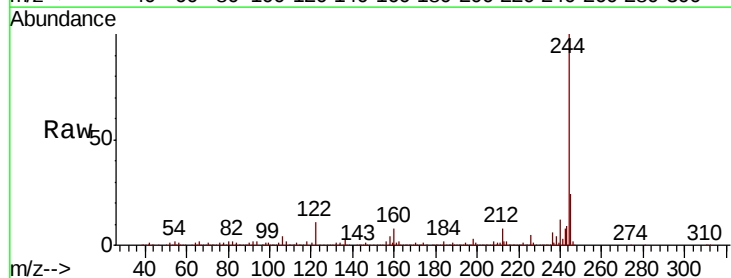
Instrument :
 BNA_G
 ClientSampleId :

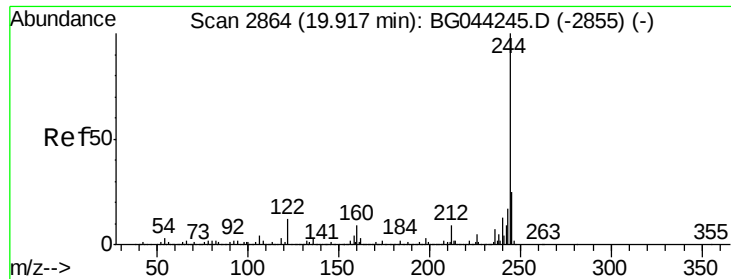
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	27.6	22.1	33.1



#77
 Benzidine
 Concen: 2.523 ng
 RT: 19.89 min Scan# 2859
 Delta R.T. 0.36 min
 Lab File: BG044524.D
 Acq: 20 Feb 2020 17:17

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.9	19.3
183	5.2	10.8	16.2#





#79

Terphenyl-d14

Concen: 93.080 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

Instrument :

BNA_G

ClientSampleId :

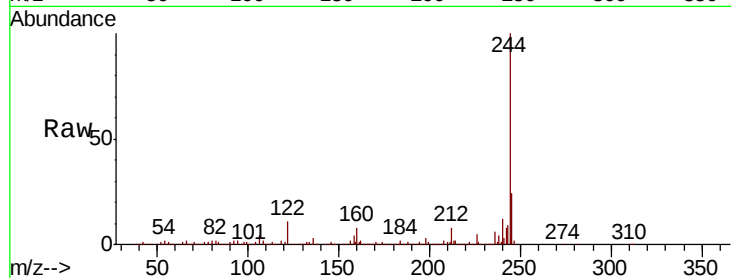
Tot Ion:244 Resp: 1589488

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.2

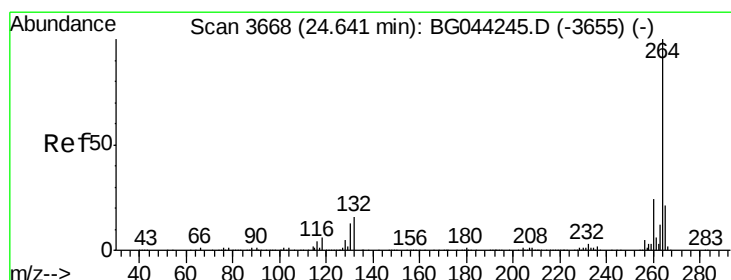
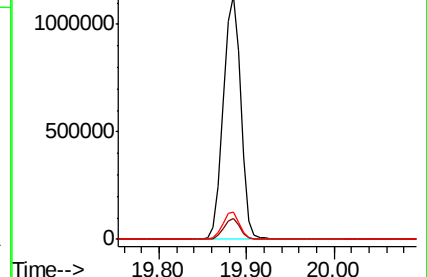
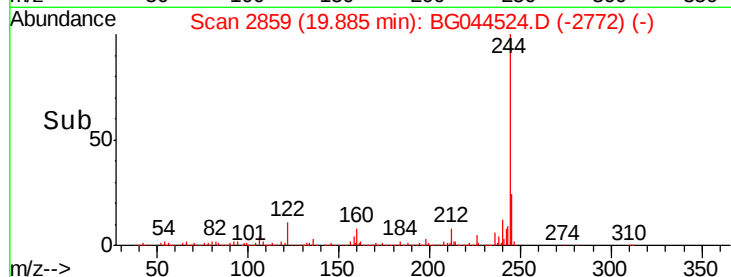
122 11.1 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 24.57 min Scan# 3657

Delta R.T. -0.05 min

Lab File: BG044524.D

Acq: 20 Feb 2020 17:17

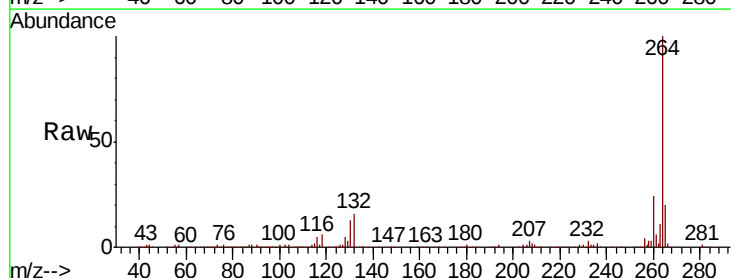
Tgt Ion:264 Resp: 374862

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 20.4 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

