

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052920\
 Data File : BG045526.D
 Acq On : 29 May 2020 16:38
 Operator : CG/JU
 Sample : L2746-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM-EB-4

Quant Time: May 29 17:20:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 11:17:45 2020
 Response via : Initial Calibration

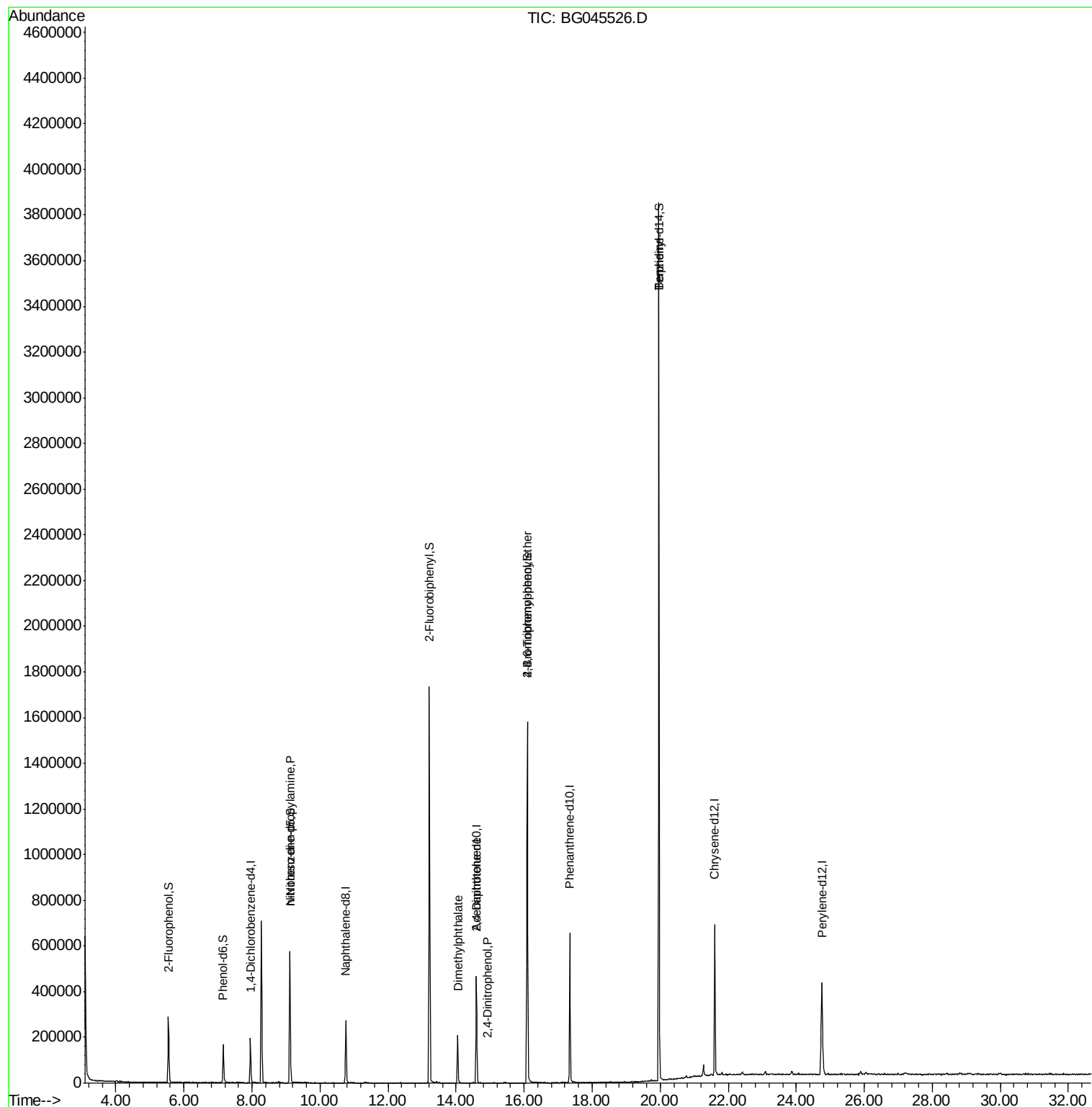
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	58039	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	239947	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	176594	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	429153	20.00	ng	0.00
76) Chrysene-d12	21.60	240	426675	20.00	ng	0.00
87) Perylene-d12	24.75	264	456982	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	142620	48.02	ng	0.00
7) Phenol-d6	7.16	99	117952	27.90	ng	0.00
23) Nitrobenzene-d5	9.12	82	402959	91.58	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	335816	148.69	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	996824	95.75	ng	0.00
79) Terphenyl-d14	19.97	244	1967071	107.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	55158	18.870	ng	Qvalue # 83
50) Dimethylphthalate	14.05	163	147977	12.215	ng	99
54) 2,4-Dinitrophenol	14.93	184	56	5.488	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	23434	5.919	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	23199	4.992	ng	# 1
77) Benzidine	19.96	184	37880	3.161	ng	# 85

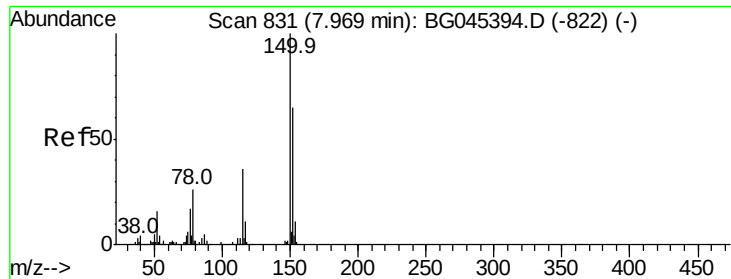
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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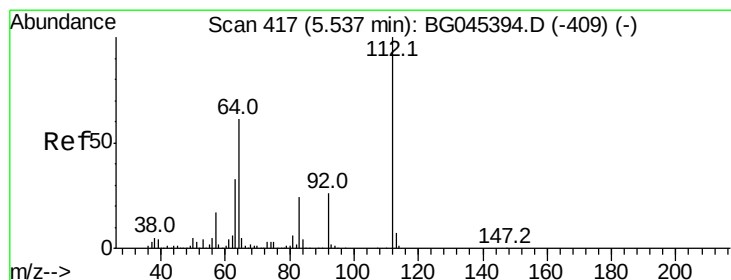
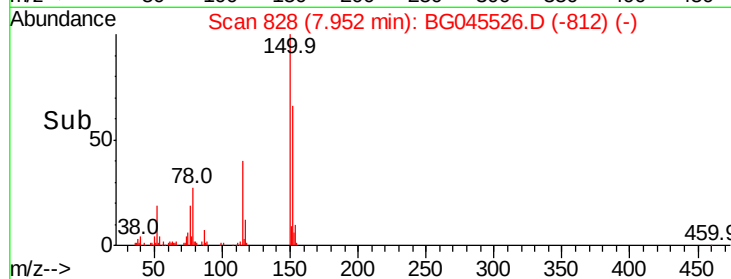
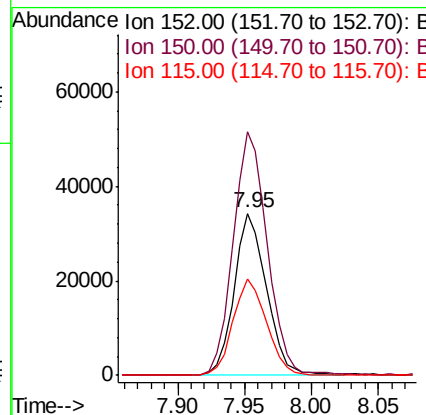
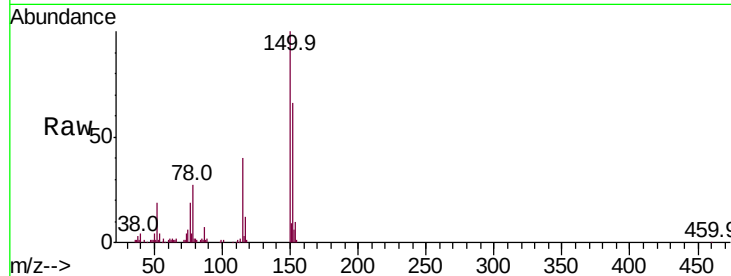


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG045526.D
Acq: 29 May 2020 16:38

Instrument :
BNA_G
ClientSampleId :
NM-EB-4

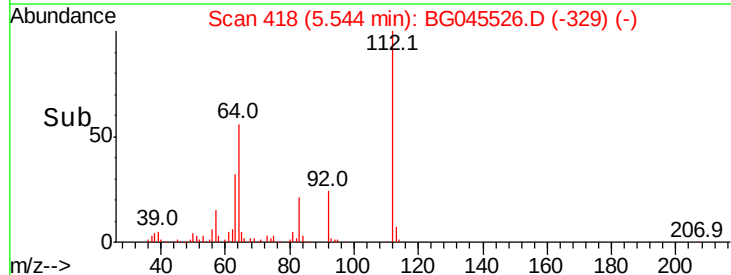
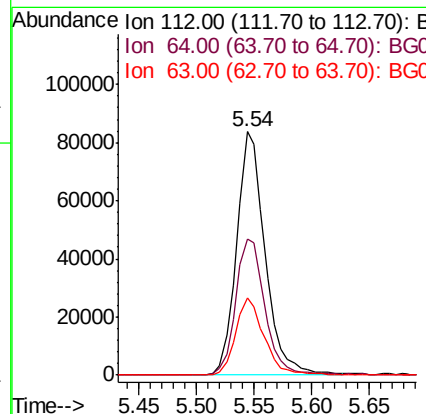
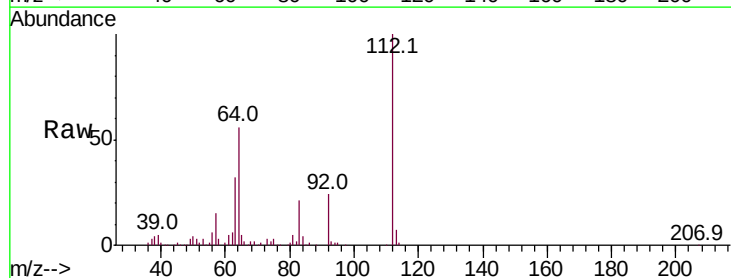
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.4	183.6
115	59.4	44.2	66.4

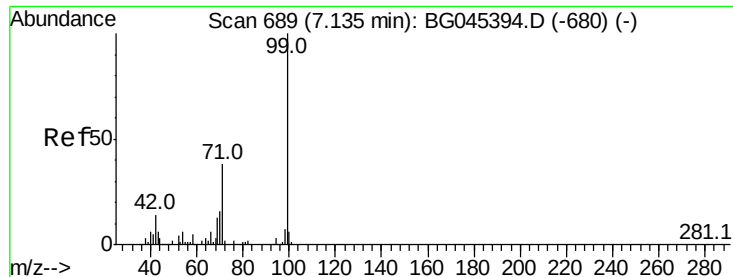


#5

2-Fluorophenol
Concen: 48.023 ng
RT: 5.54 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG045526.D
Acq: 29 May 2020 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	48.6	72.8
63	32.0	26.5	39.7





#7

Phenol-d6

Concen: 27.905 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Instrument :

BNA_G

ClientSampleId :

NM-EB-4

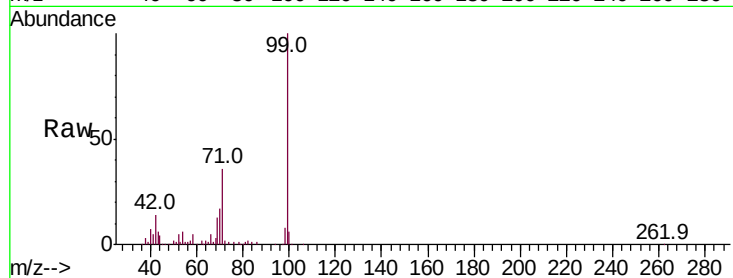
Tot Ion: 99 Resp: 117952

Ion Ratio Lower Upper

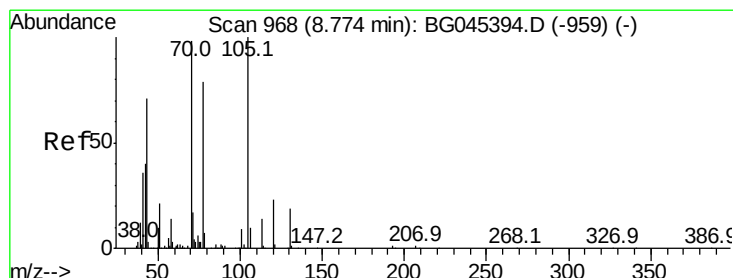
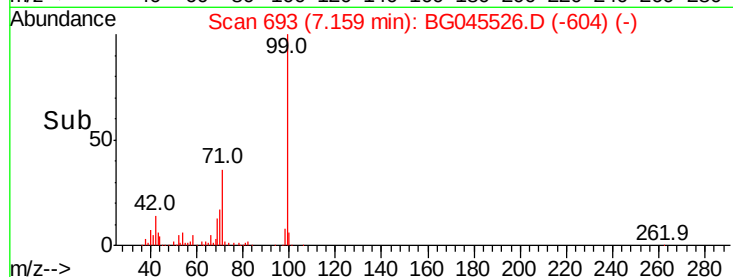
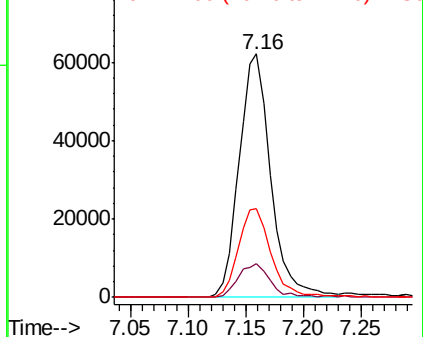
99 100

42 13.8 11.3 16.9

71 36.3 30.8 46.2



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: 18.870 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Tgt Ion: 70 Resp: 55158

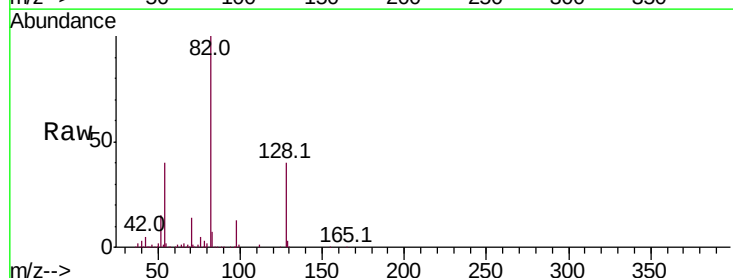
Ion Ratio Lower Upper

70 100

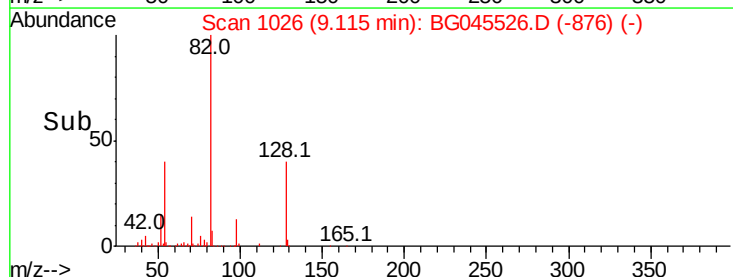
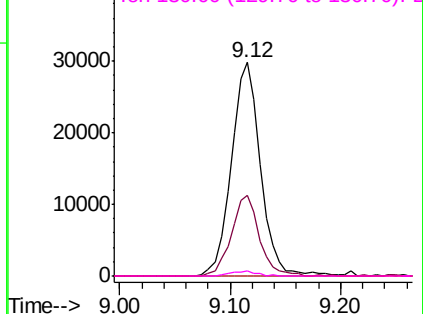
42 38.0 33.2 49.8

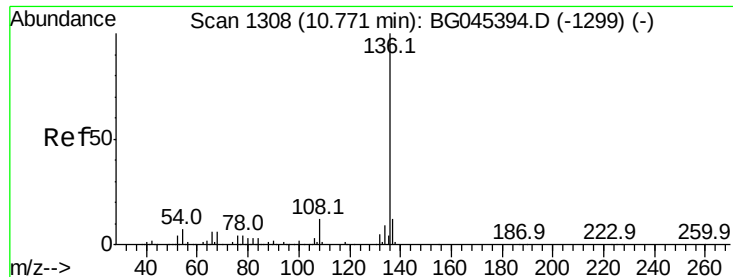
101 0.0 7.8 11.6#

130 2.4 15.4 23.2#



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

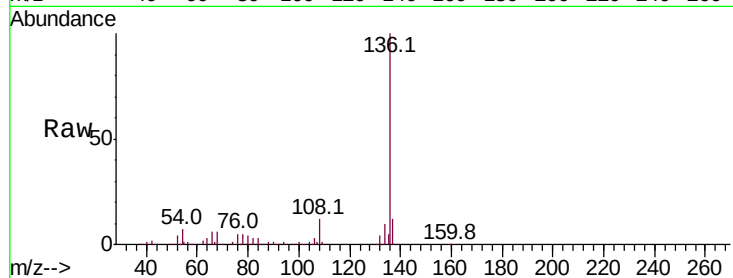




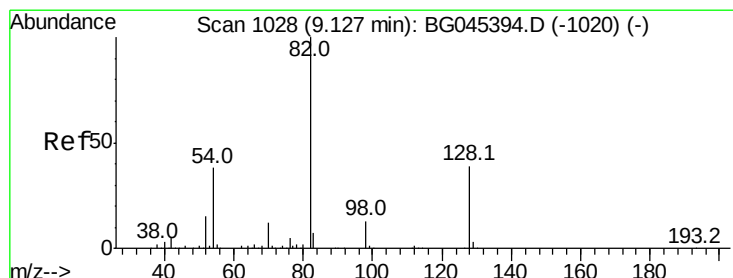
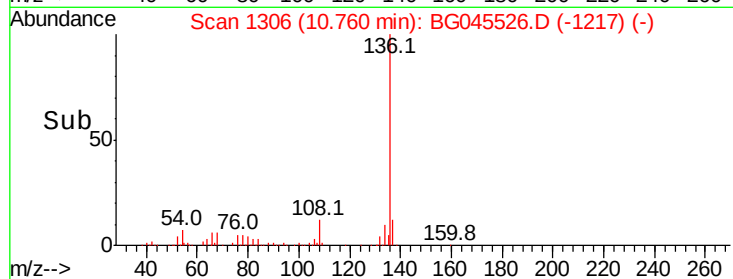
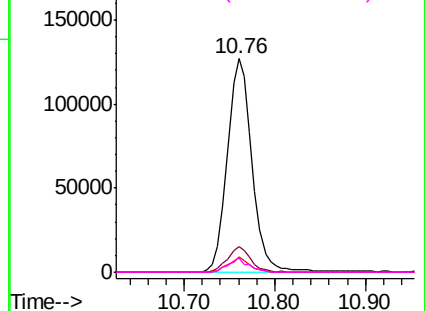
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG045526.D
Acq: 29 May 2020 16:38

Instrument :
BNA_G
ClientSampleId :
NM-EB-4

Tot Ion:136	Resp:	239947	
Ion Ratio	Lower	Upper	
136 100			
137 12.2	9.4	14.2	
54 7.2	5.8	8.6	
68 6.4	4.5	6.7	

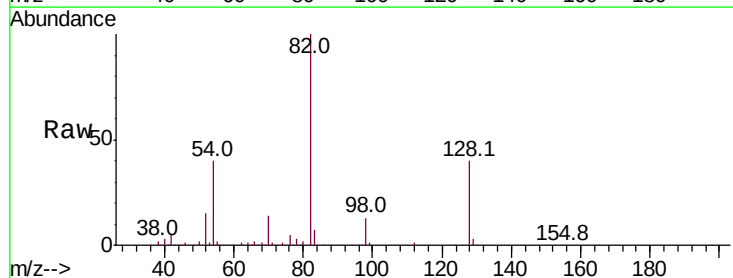


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

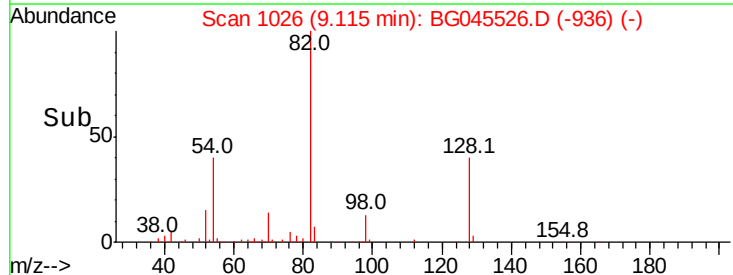
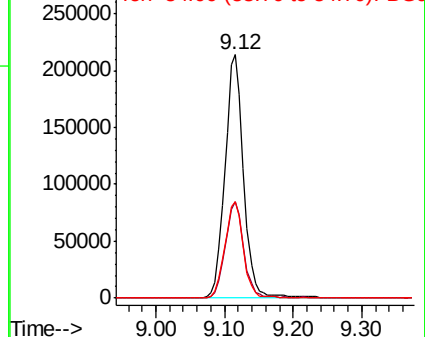


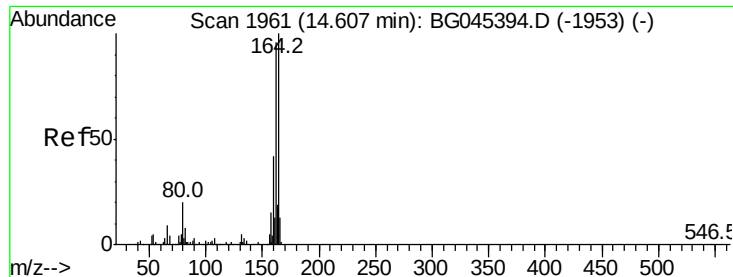
#23
Nitrobenzene-d5
Concen: 91.578 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG045526.D
Acq: 29 May 2020 16:38

Tgt	Ion: 82	Resp:	402959
Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.9	46.3
54	39.7	30.3	45.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Instrument :

BNA_G

ClientSampleId :

NM-EB-4

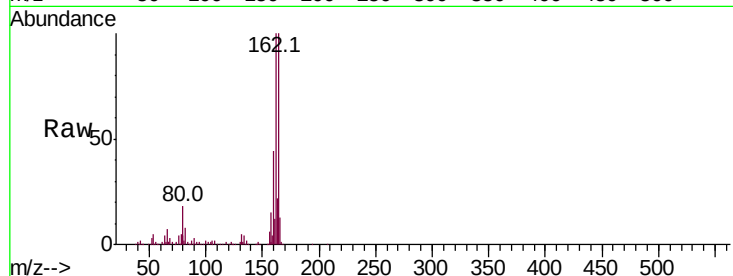
Tot Ion:164 Resp: 176594

Ion Ratio Lower Upper

164 100

162 99.6 76.9 115.3

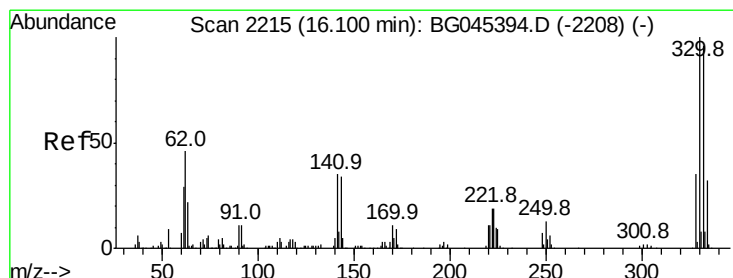
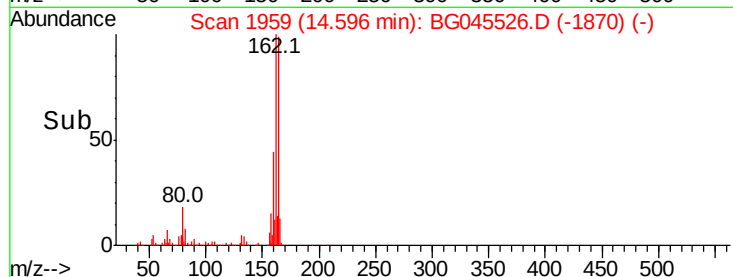
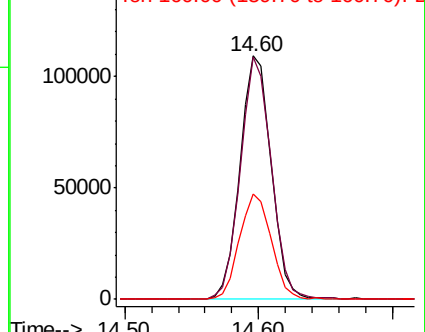
160 43.5 33.8 50.8



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: 148.694 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

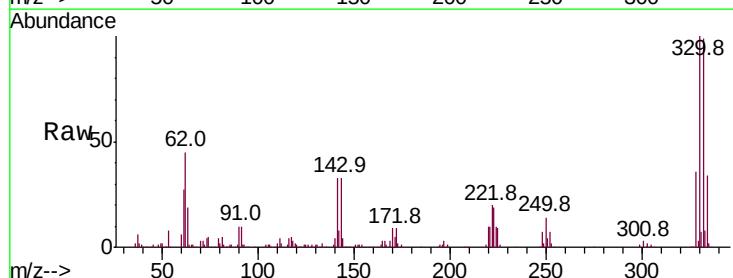
Tgt Ion:330 Resp: 335816

Ion Ratio Lower Upper

330 100

332 96.9 78.2 117.4

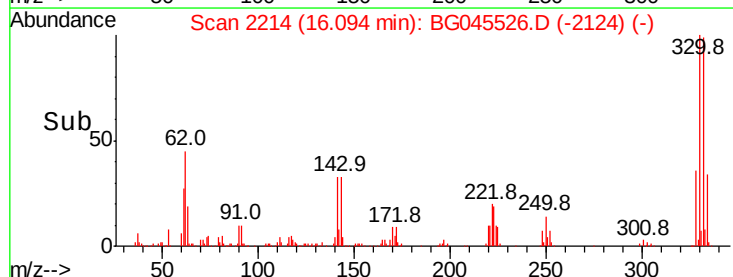
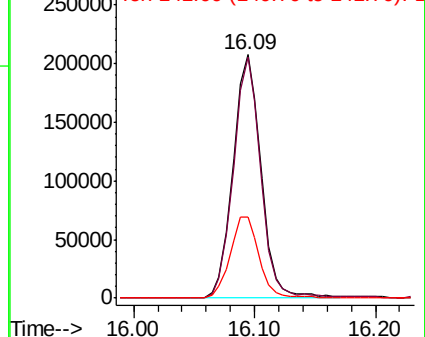
141 34.6 28.2 42.4

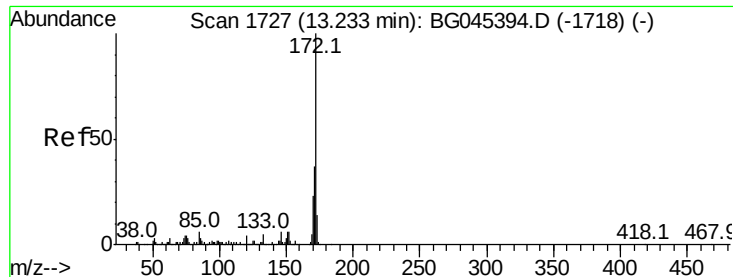


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 95.746 ng

RT: 13.22 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Instrument :

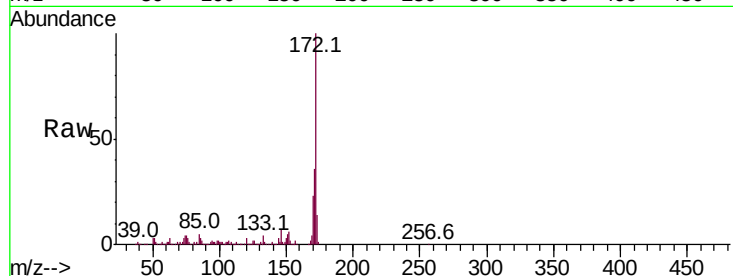
BNA_G

ClientSampleId :

NM-EB-4

Tot Ion:172 Resp: 996824

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.5	44.3
170	23.2	18.5	27.7

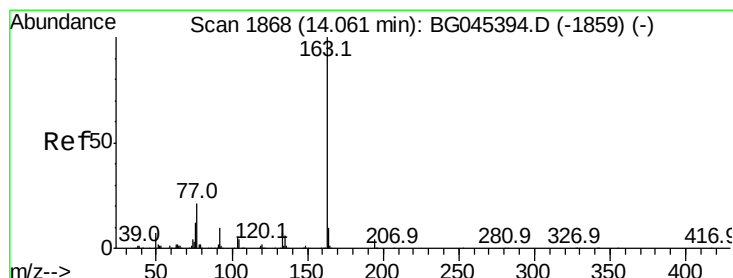
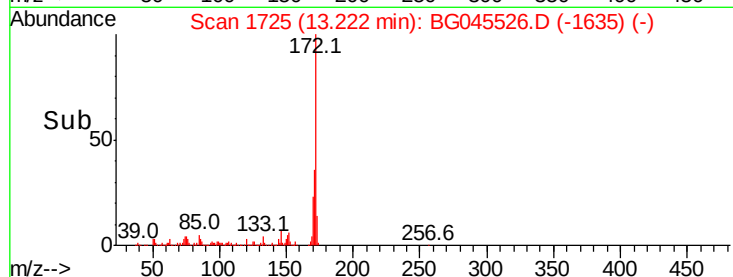
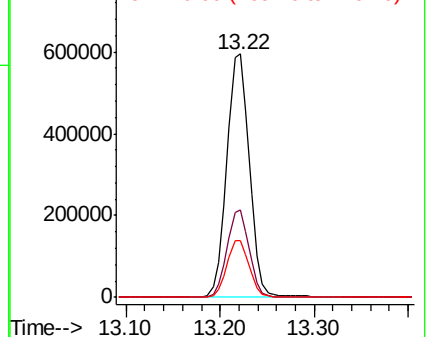


Abundance

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: 12.215 ng

RT: 14.05 min Scan# 1866

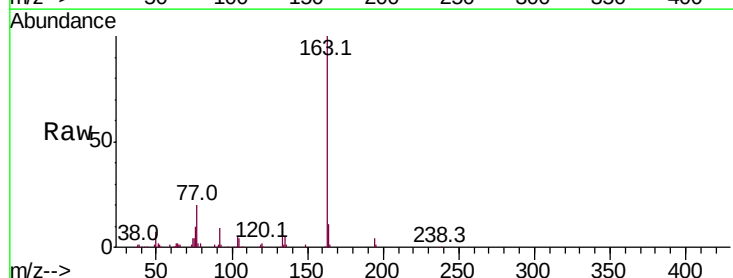
Delta R.T. -0.01 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Tgt Ion:163 Resp: 147977

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.9	8.3	12.5

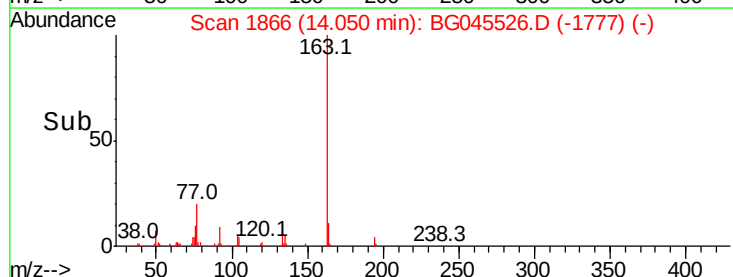
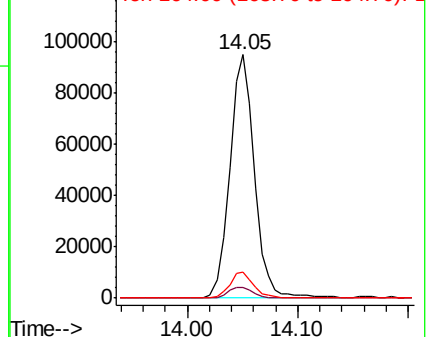


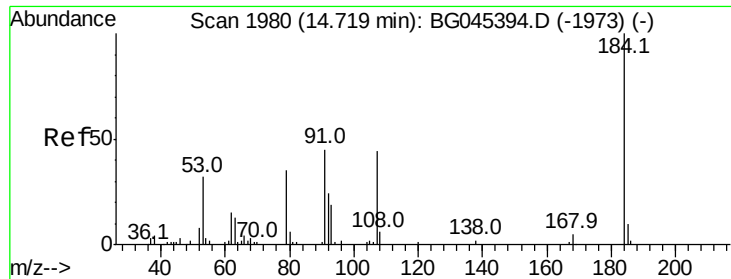
Abundance

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

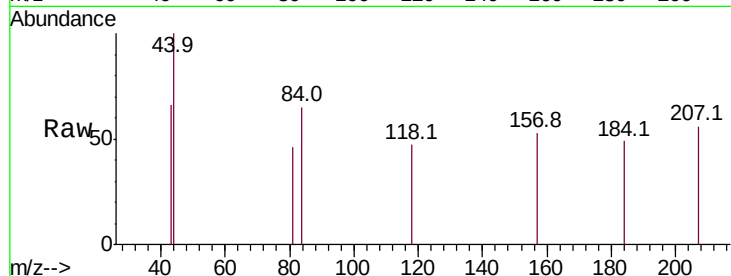




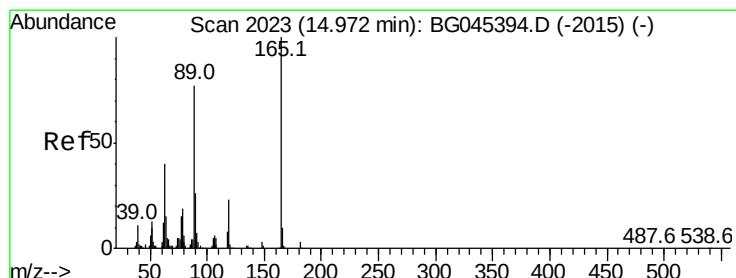
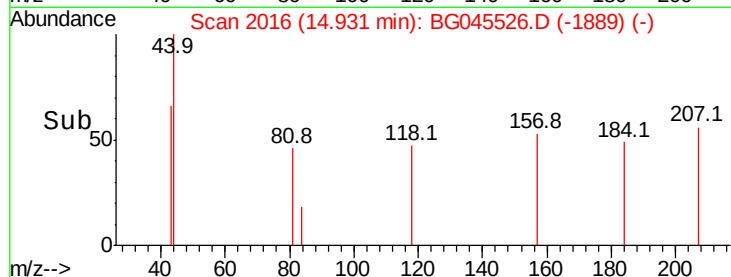
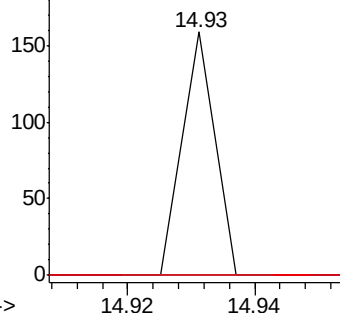
#54
 2,4-Dinitrophenol
 Concen: 5.488 ng
 RT: 14.93 min Scan# 2016
 Delta R.T. 0.22 min
 Lab File: BG045526.D
 Acq: 29 May 2020 16:38

Instrument :
 BNA_G
 ClientSampleId :
 NM-EB-4

Tot Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.8 71.6#
 154 0.0 58.3 87.5#

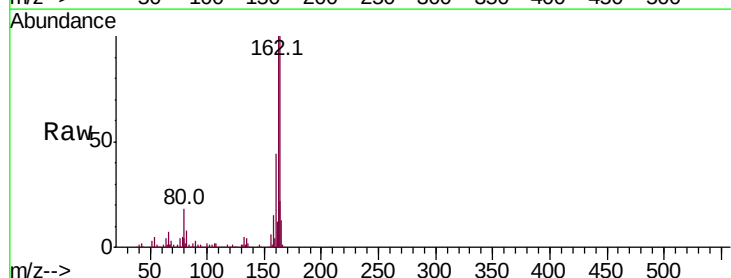


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

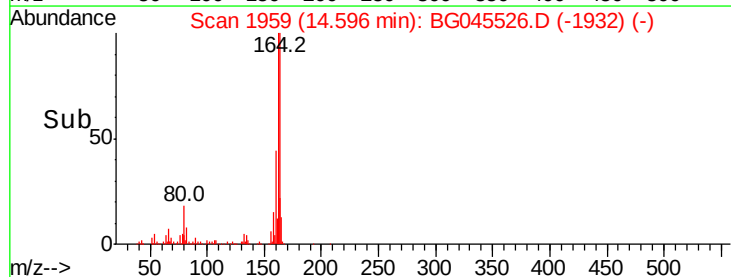
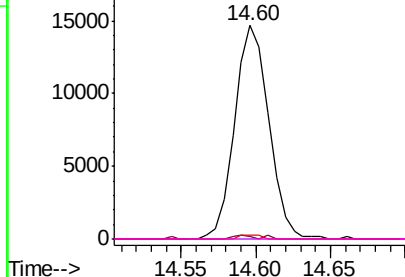


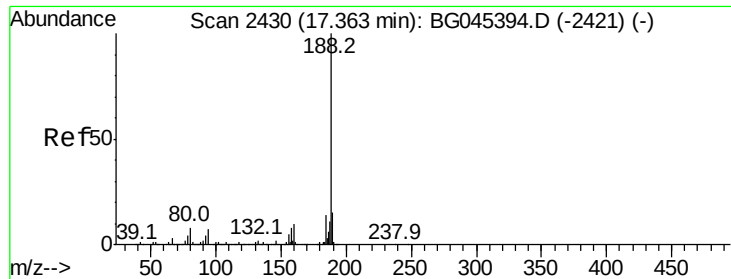
#57
 2,4-Dinitrotoluene
 Concen: 5.919 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. -0.37 min
 Lab File: BG045526.D
 Acq: 29 May 2020 16:38

Tgt Ion:165 Resp: 23434
 Ion Ratio Lower Upper
 165 100
 63 1.2 32.5 48.7#
 89 1.8 61.8 92.6#
 182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.35 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Instrument :

BNA_G

ClientSampleId :

NM-EB-4

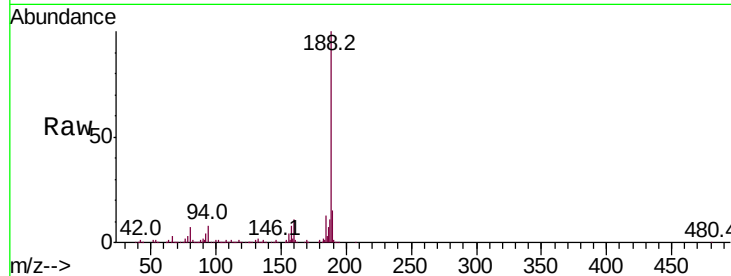
Tot Ion:188 Resp: 429153

Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

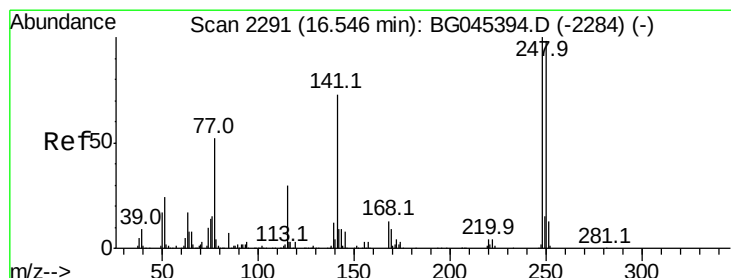
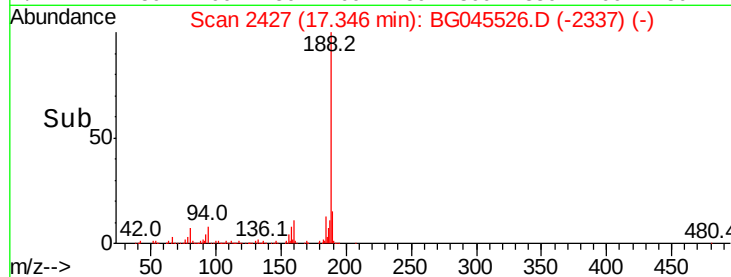
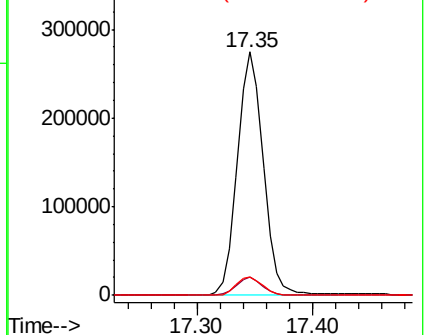
80 7.4 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 4.992 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.44 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

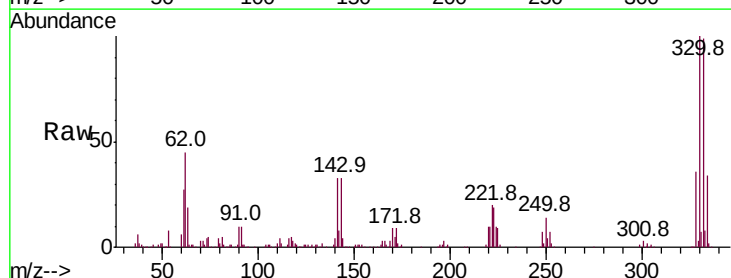
Tgt Ion:248 Resp: 23199

Ion Ratio Lower Upper

248 100

250 198.6 78.6 117.8#

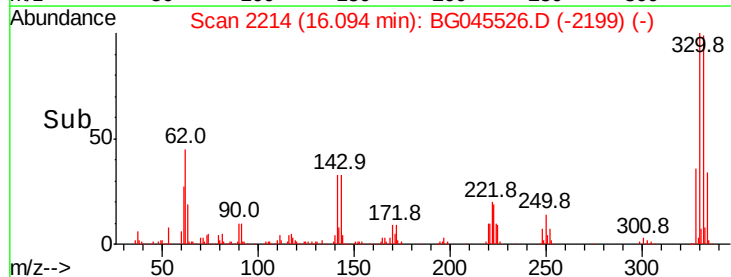
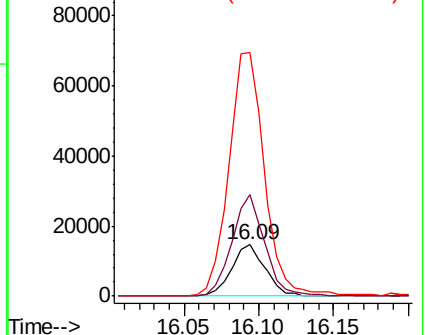
141 476.0 58.2 87.2#

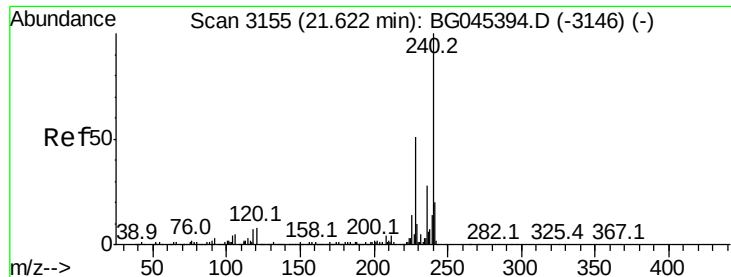


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

Instrument :

BNA_G

ClientSampleId :

NM-EB-4

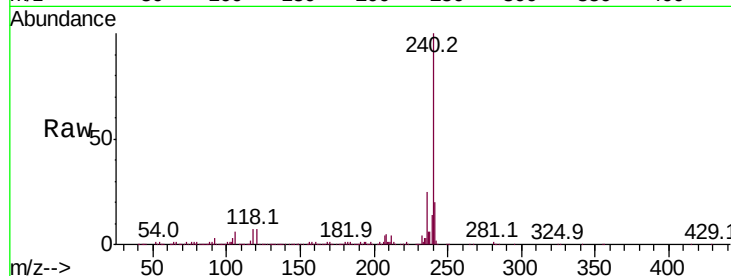
Tot Ion:240 Resp: 426675

Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

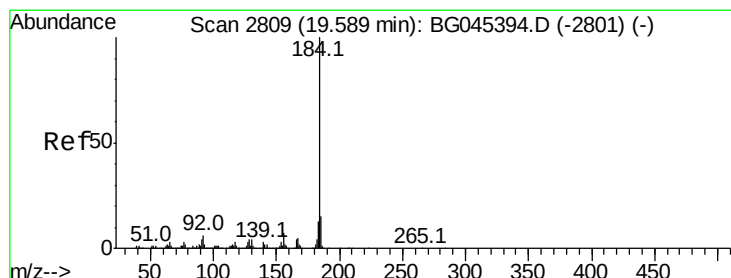
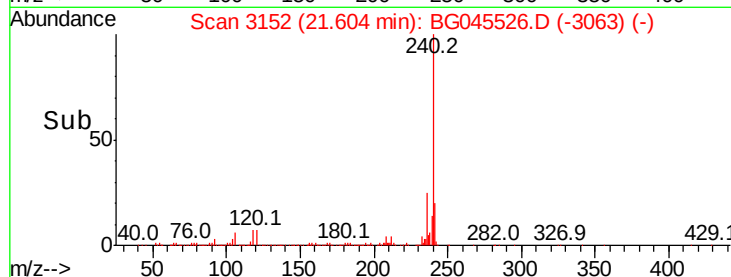
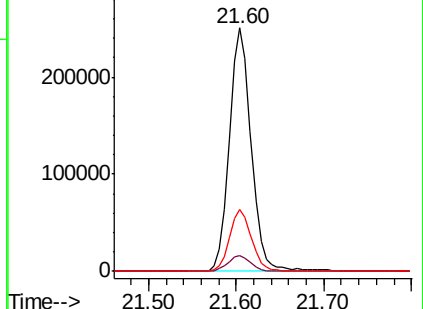
236 25.4 22.3 33.5



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: 3.161 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045526.D

Acq: 29 May 2020 16:38

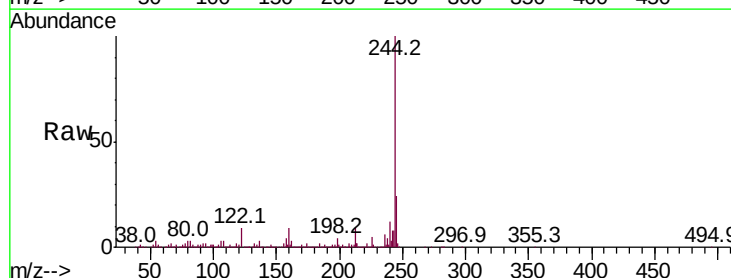
Tgt Ion:184 Resp: 37880

Ion Ratio Lower Upper

184 100

185 14.4 11.7 17.5

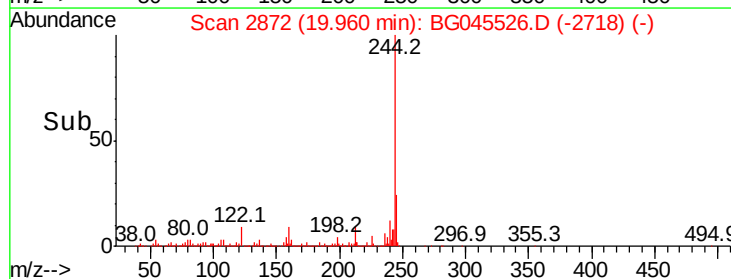
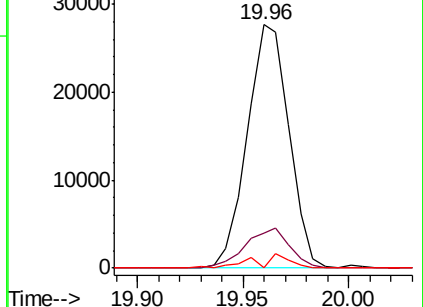
183 0.0 10.2 15.4#

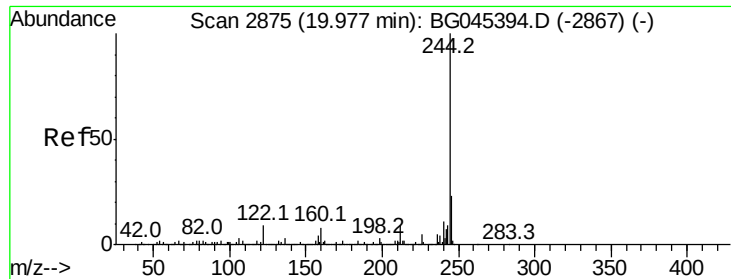


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



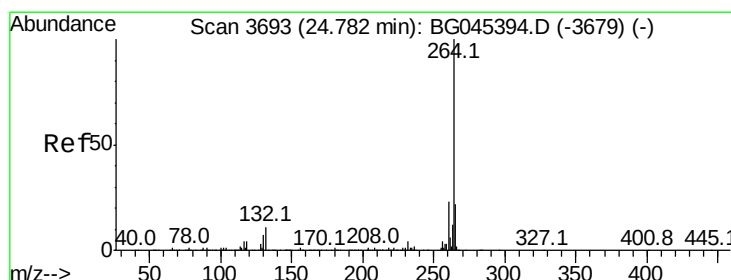
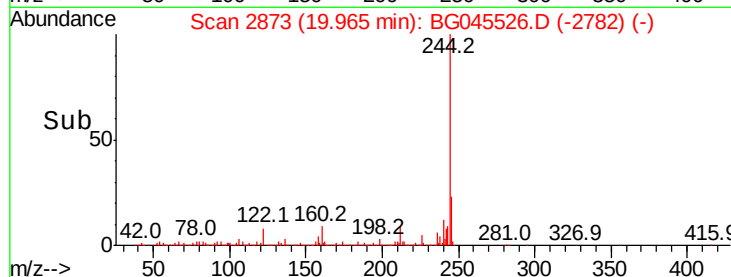
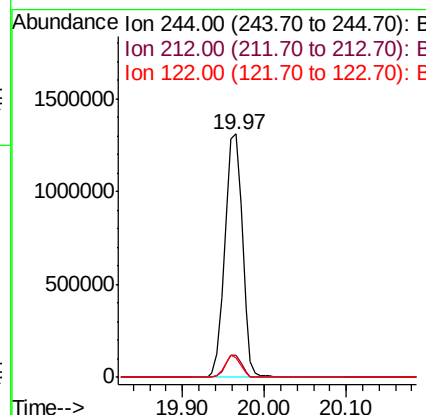
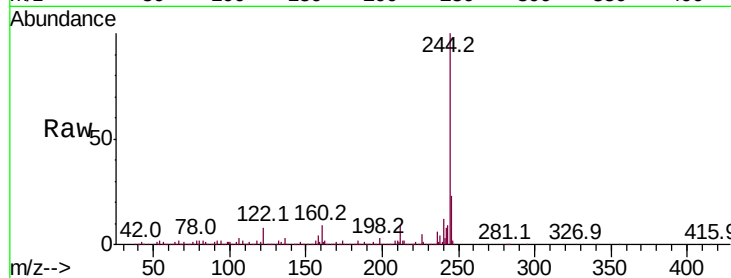


#79
 Terphenyl-d14
 Concen: 107.524 ng
 RT: 19.97 min Scan# 2873
 Delta R.T. 0.01 min
 Lab File: BG045526.D
 Acq: 29 May 2020 16:38

Instrument :
 BNA_G
 ClientSampleId :
 NM-EB-4

Tot Ion:244 Resp: 1967071

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.4	11.0
122	8.2	6.8	10.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.75 min Scan# 3688
 Delta R.T. -0.00 min
 Lab File: BG045526.D
 Acq: 29 May 2020 16:38

Tgt Ion:264 Resp: 456982

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	23.8	17.6	26.4

