

Data File : BG044093.D
Acq On : 20 Jan 2020 11:46
Operator : JU
Sample : SP5028
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP5028

Quant Time: Jan 21 04:38:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

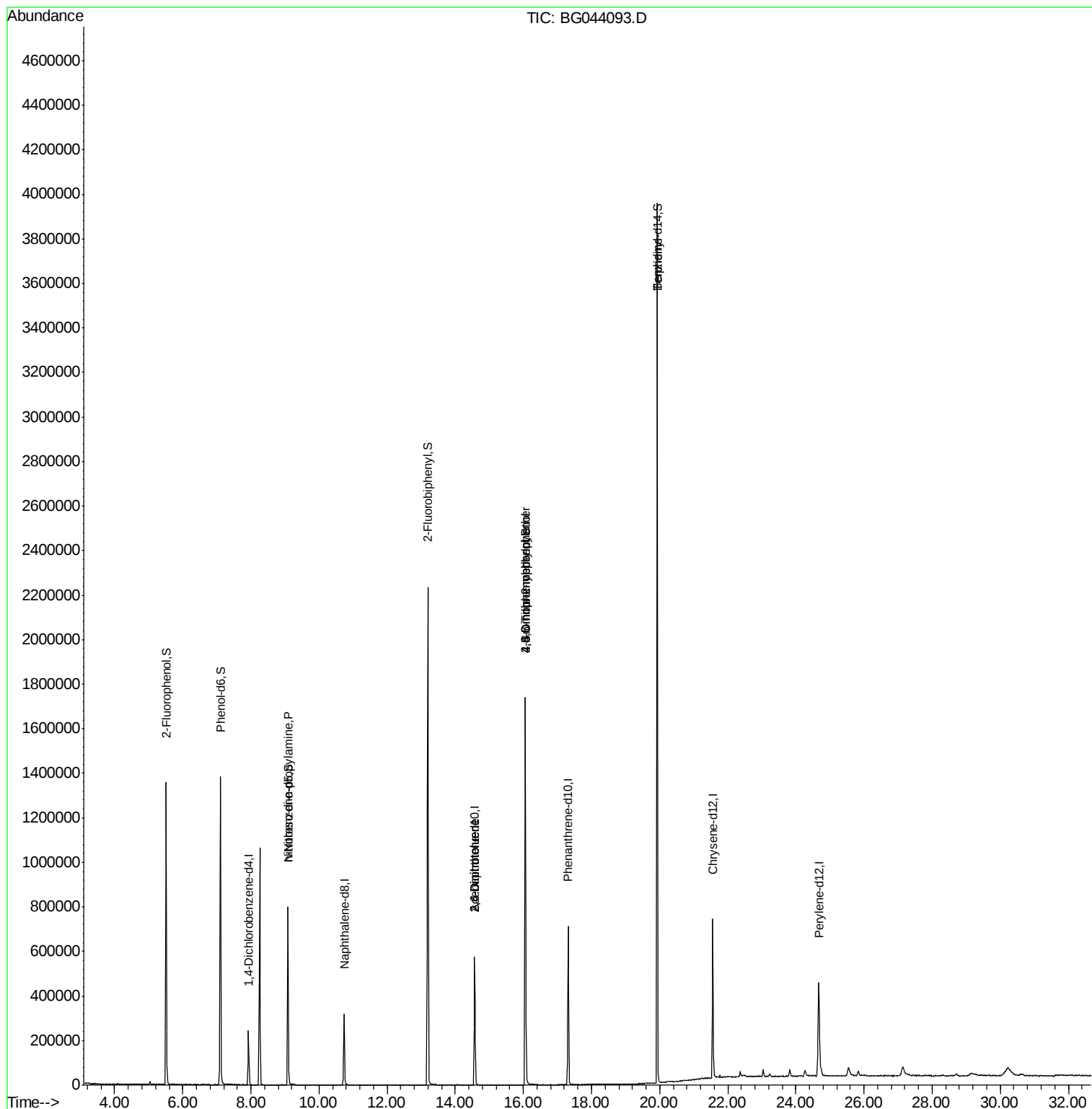
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	71578	20.00	ng	-0.03
21) Naphthalene-d8	10.74	136	314303	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	216276	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	480280	20.00	ng	-0.02
76) Chrysene-d12	21.56	240	413134	20.00	ng	-0.03
87) Perylene-d12	24.67	264	451783	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	666396	170.94	ng	-0.02
7) Phenol-d6	7.11	99	866239	158.97	ng	-0.02
23) Nitrobenzene-d5	9.09	82	515748	87.78	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	349787	154.55	ng	-0.02
45) 2-Fluorobiphenyl	13.19	172	1224395	102.57	ng	-0.03
79) Terphenyl-d14	19.93	244	1859433	120.26	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	67025	16.517	ng	# 78
51) 2,6-Dinitrotoluene	14.57	165	28267	8.144	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	28267	5.985	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1339	4.881	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	24920	4.613	ng	# 1
77) Benzidine	19.93	184	32326	3.113	ng	# 91

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

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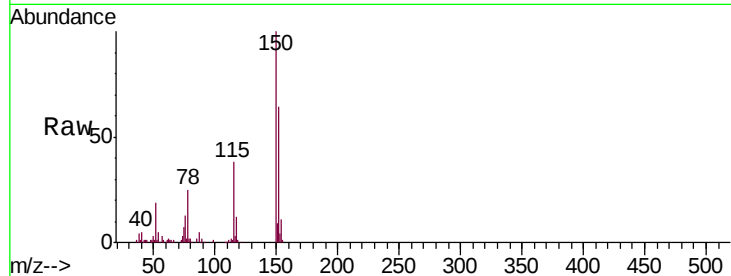


#1

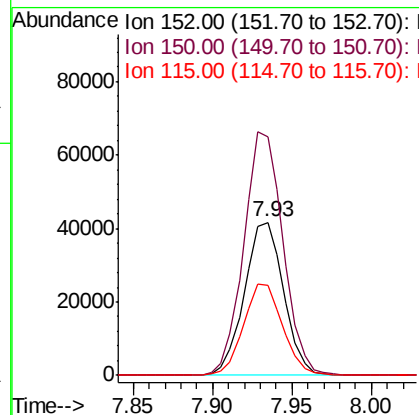
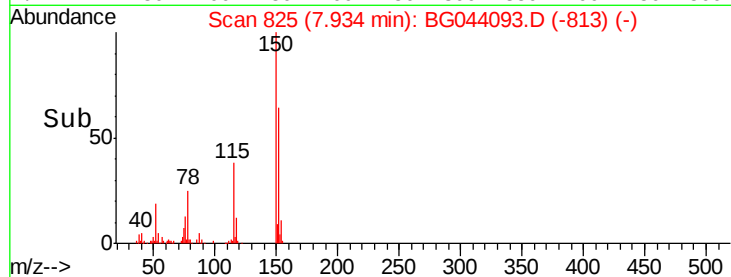
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 825
Delta R.T. -0.03 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Instrument :
BNA_G
ClientSampleId :
SP5028

Tgt Ion:152 Resp: 71578
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.4
115 59.3 47.8 71.8



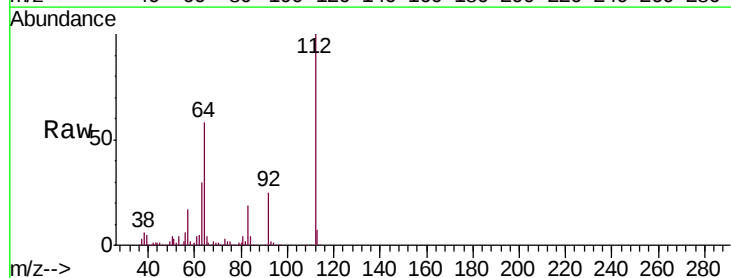
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



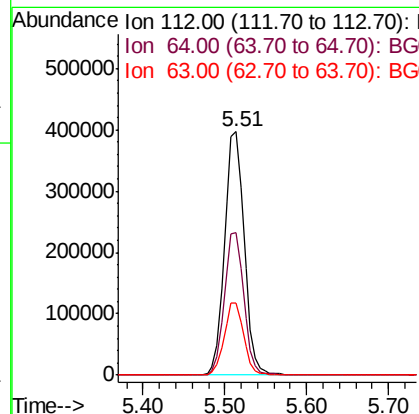
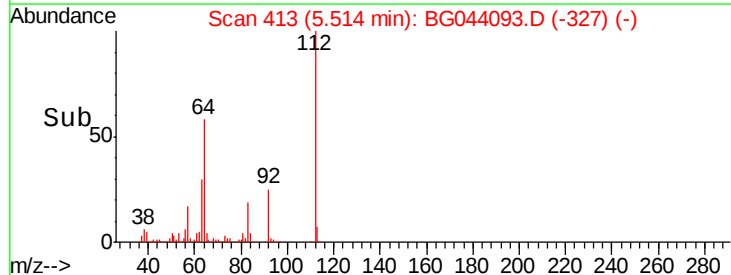
#5

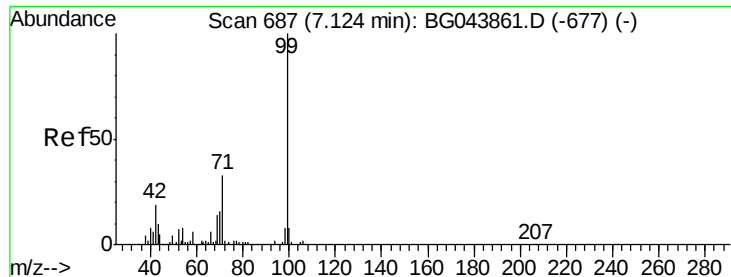
2-Fluorophenol
Concen: 170.944 ng
RT: 5.51 min Scan# 413
Delta R.T. -0.02 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:112 Resp: 666396
Ion Ratio Lower Upper
112 100
64 58.4 47.8 71.6
63 29.8 24.3 36.5



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: 158.968 ng

RT: 7.11 min Scan# 684

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

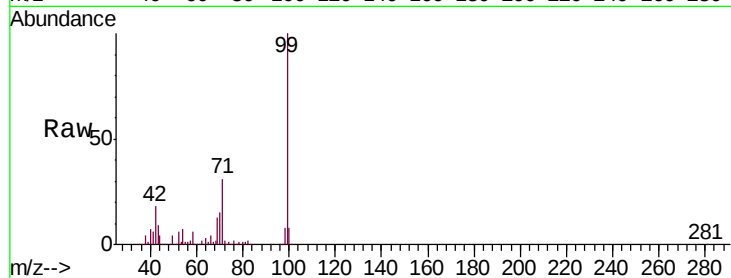
Tgt Ion: 99 Resp: 866239

Ion Ratio Lower Upper

99 100

42 18.3 14.9 22.3

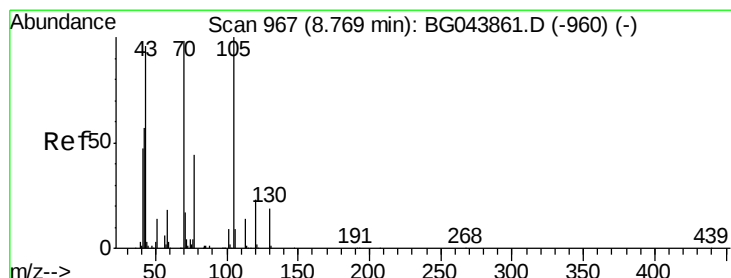
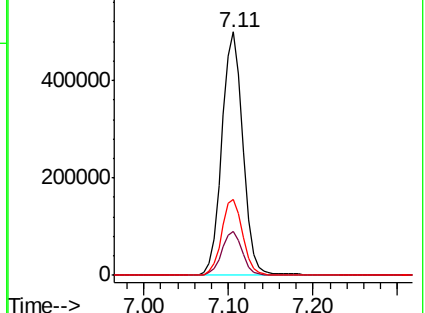
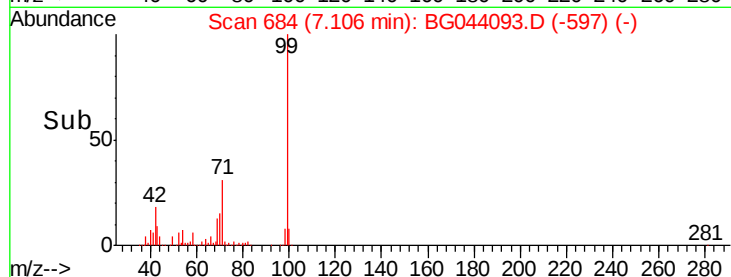
71 31.3 26.4 39.6



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: 16.517 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.32 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Tgt Ion: 70 Resp: 67025

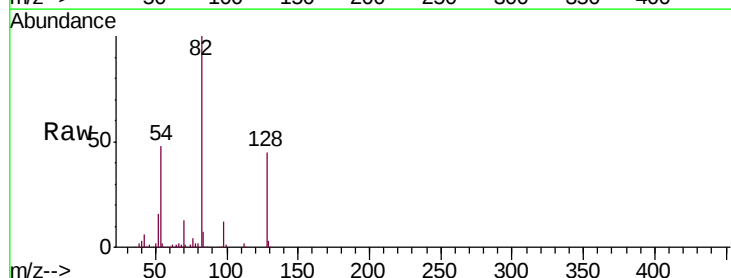
Ion Ratio Lower Upper

70 100

42 46.7 47.0 70.4#

101 0.0 7.2 10.8#

130 1.9 15.6 23.4#

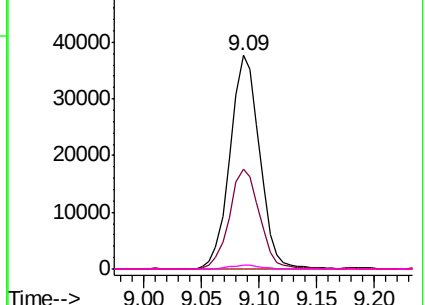
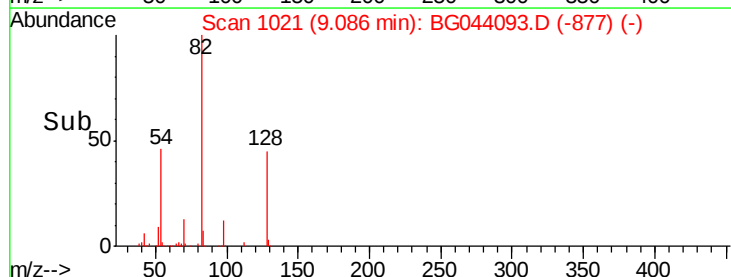


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

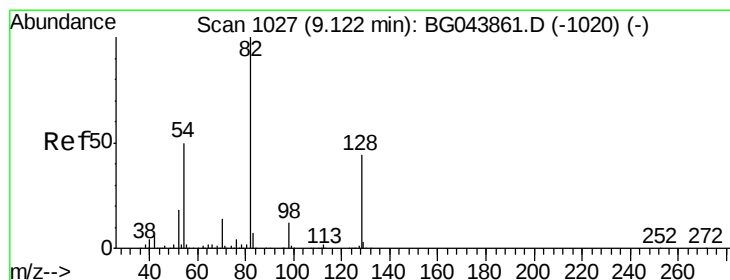
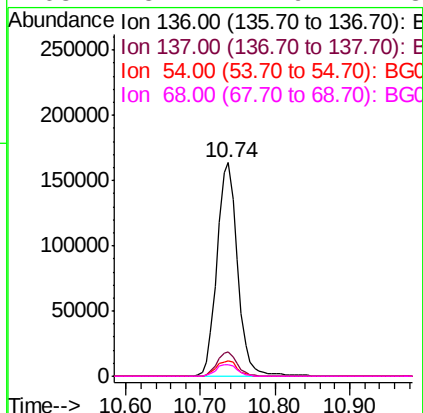
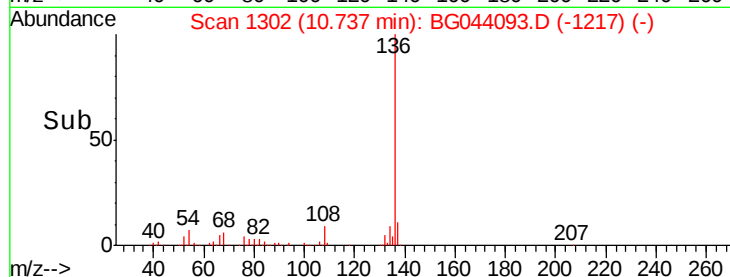
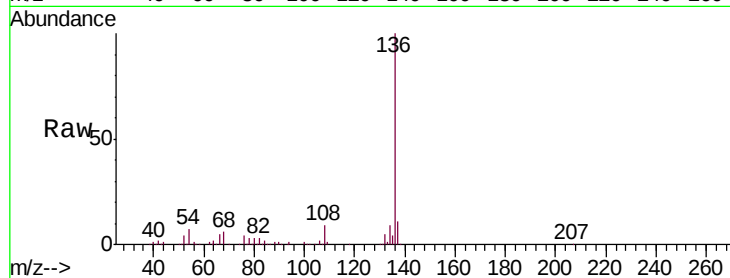




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.74 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

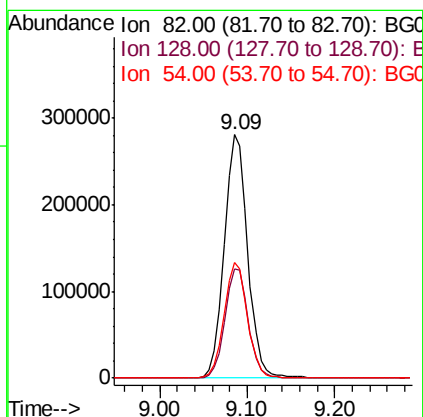
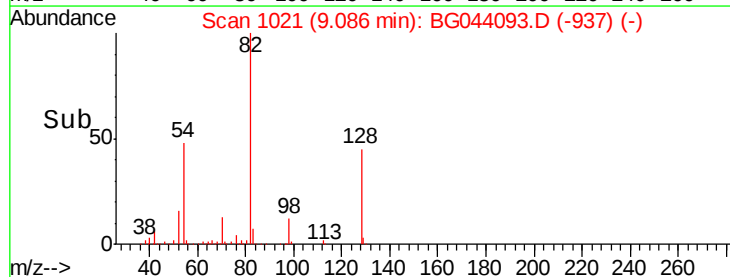
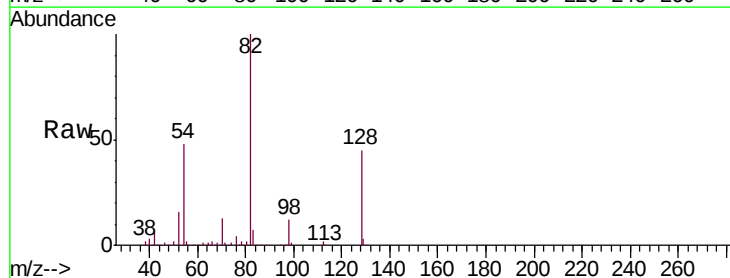
Instrument :
BNA_G
ClientSampleId :
SP5028

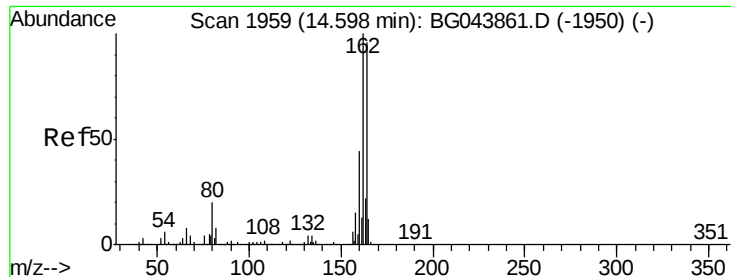
Tgt Ion:	136	Resp:	314303
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.2	7.0	10.4
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 87.783 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:	82	Resp:	515748
Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.1	52.7
54	47.6	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

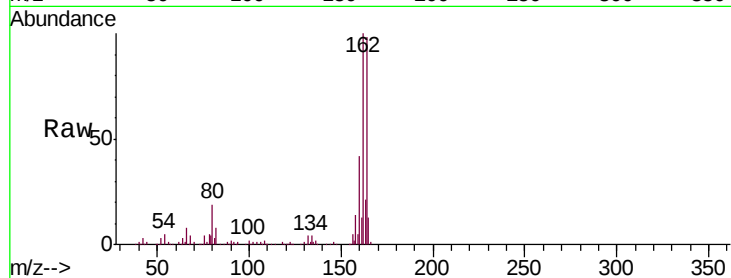
Tgt Ion:164 Resp: 216276

Ion Ratio Lower Upper

164 100

162 102.1 83.0 124.4

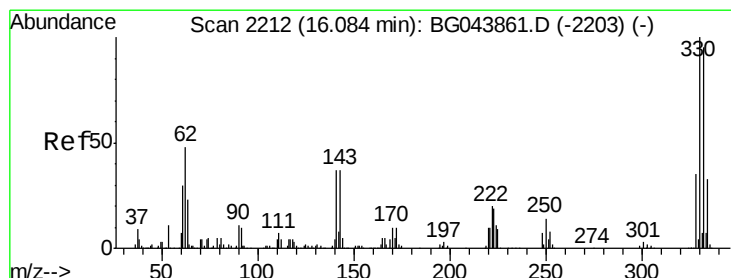
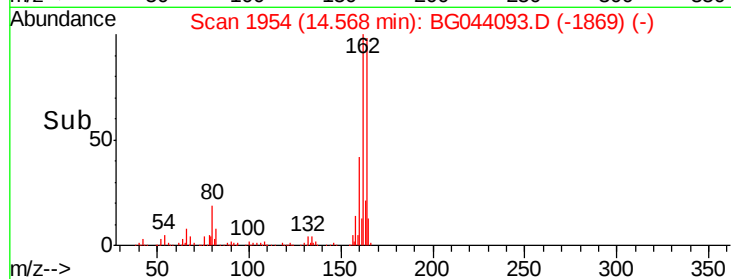
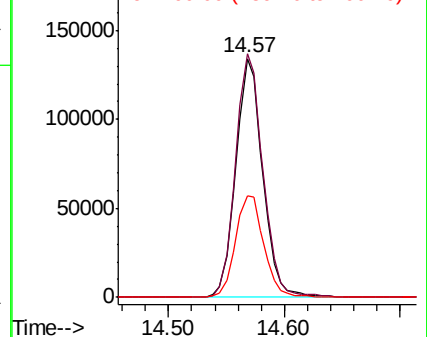
160 42.7 36.1 54.1



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: 154.548 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

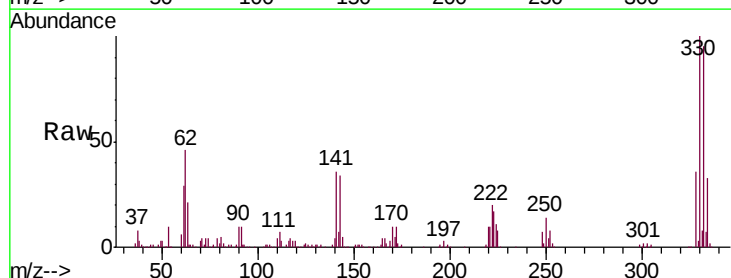
Tgt Ion:330 Resp: 349787

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

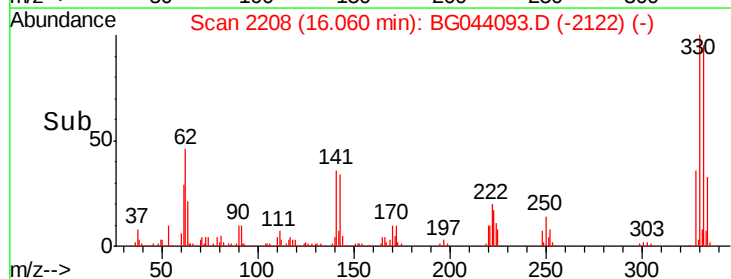
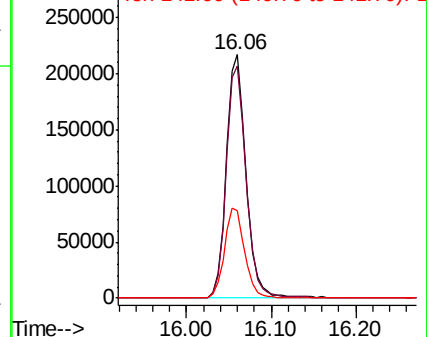
141 38.1 33.1 49.7

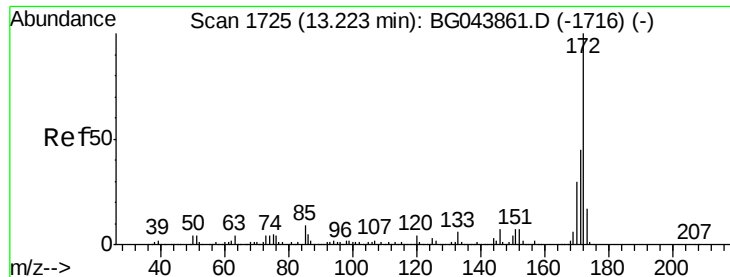


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

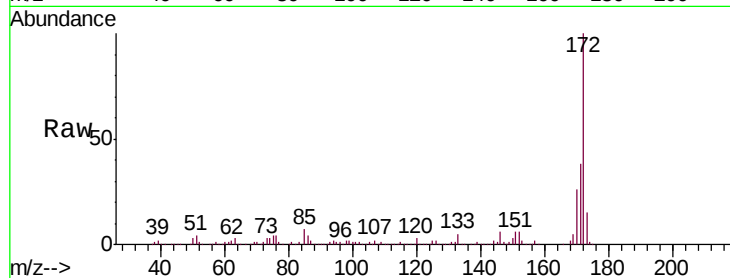




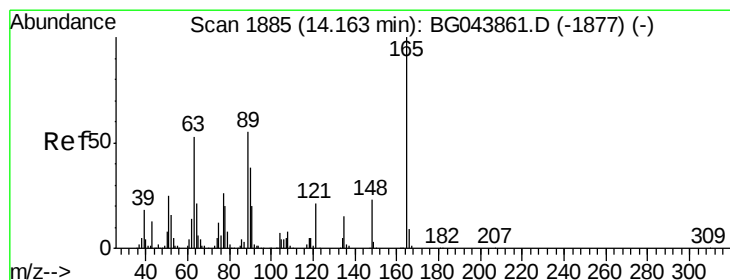
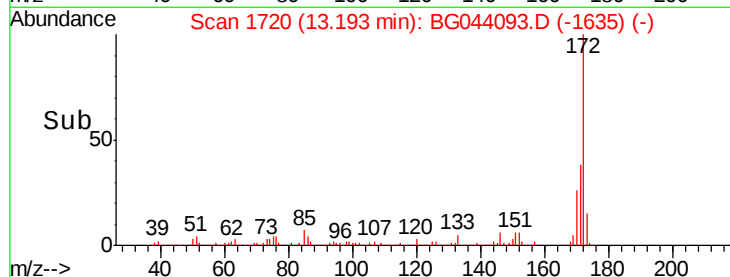
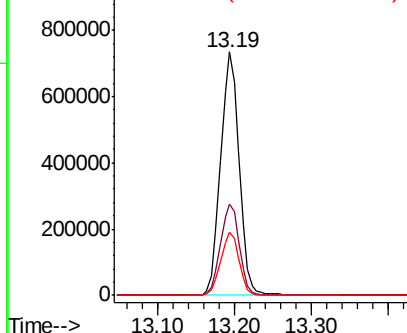
#45
 2-Fluorobiphenyl
 Concen: 102.569 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. -0.03 min
 Lab File: BG044093.D
 Acq: 20 Jan 2020 11:46

Instrument :
 BNA_G
 ClientSampled :
 SP5028

Tgt Ion:172 Resp: 1224395
 Ion Ratio Lower Upper
 172 100
 171 37.7 35.8 53.8
 170 26.0 24.2 36.4

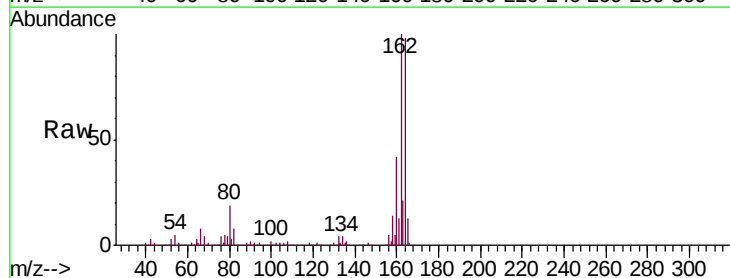


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

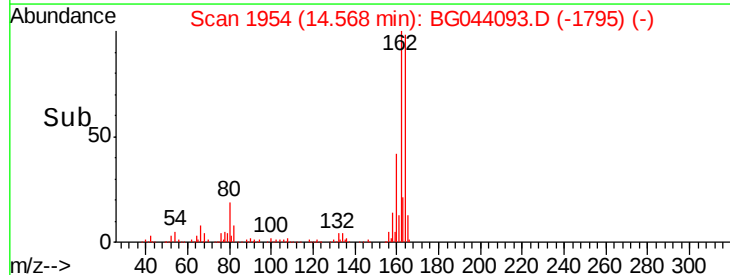
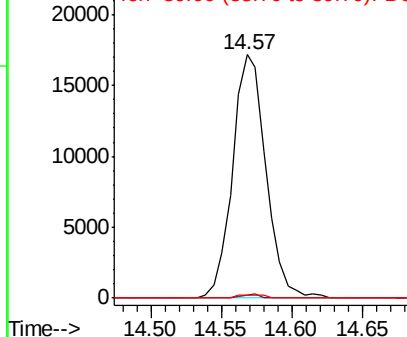


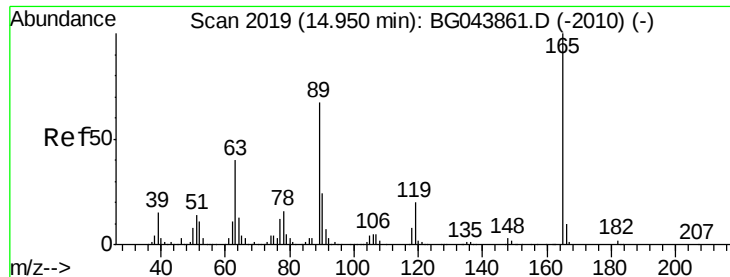
#51
 2,6-Dinitrotoluene
 Concen: 8.144 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.40 min
 Lab File: BG044093.D
 Acq: 20 Jan 2020 11:46

Tgt Ion:165 Resp: 28267
 Ion Ratio Lower Upper
 165 100
 63 1.3 43.1 64.7#
 89 1.1 43.8 65.6#



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

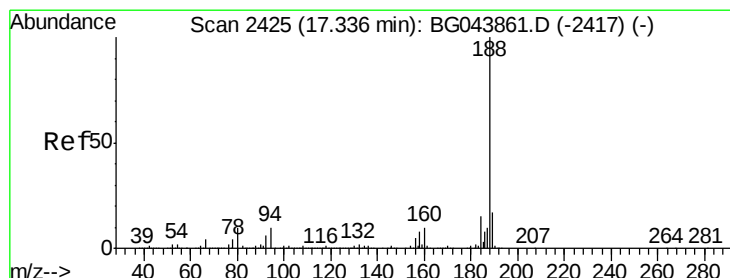
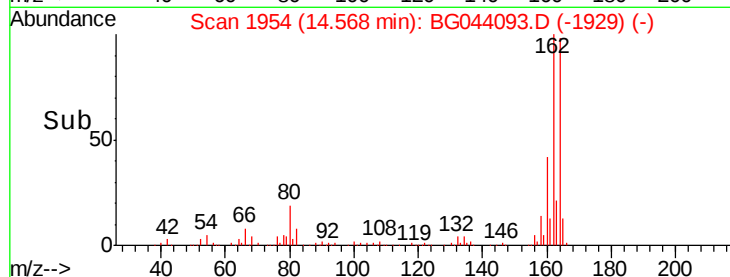
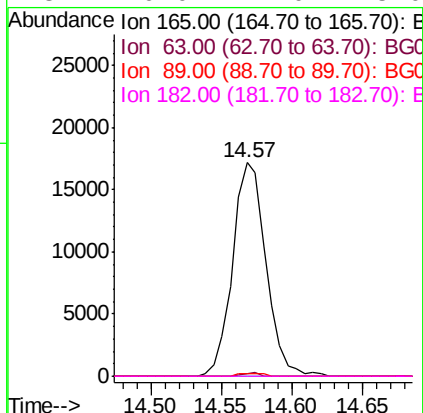
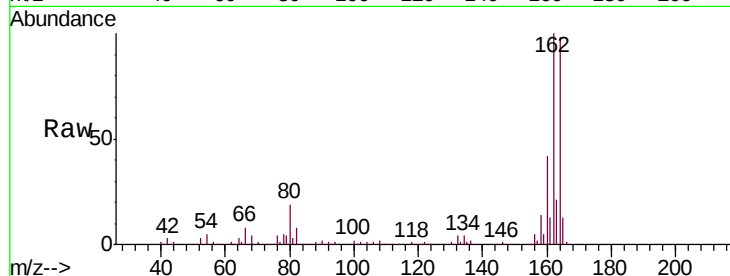




#57
2,4-Dinitrotoluene
Concen: 5.985 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.38 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

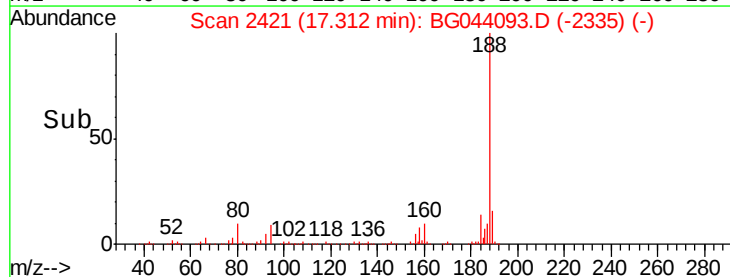
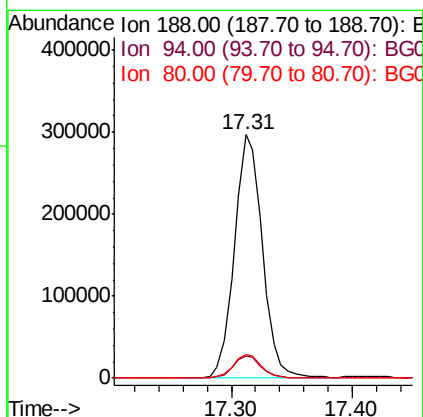
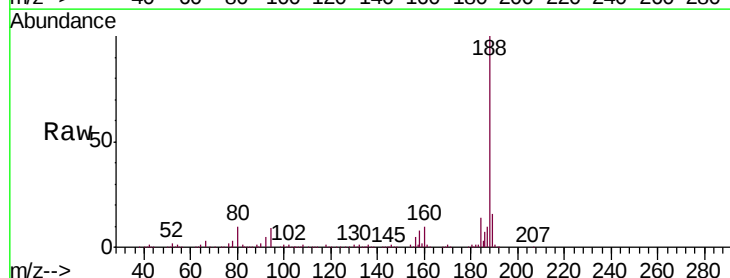
Instrument :
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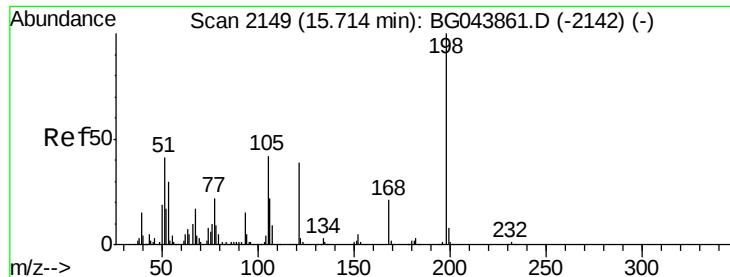
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	9.8	8.2	12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 4.881 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

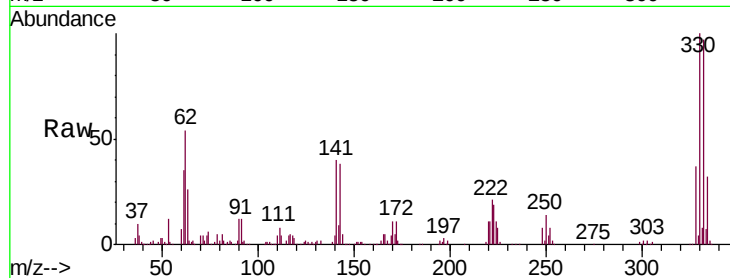
Tgt Ion:198 Resp: 1339

Ion Ratio Lower Upper

198 100

51 115.7 22.5 62.5#

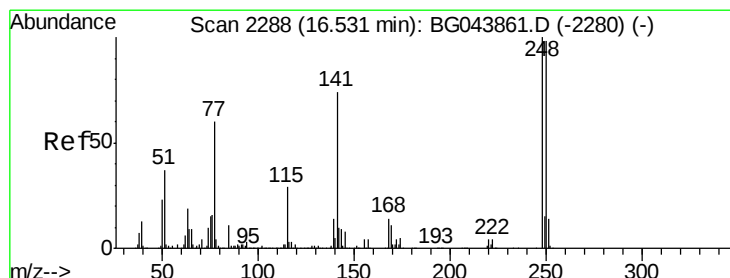
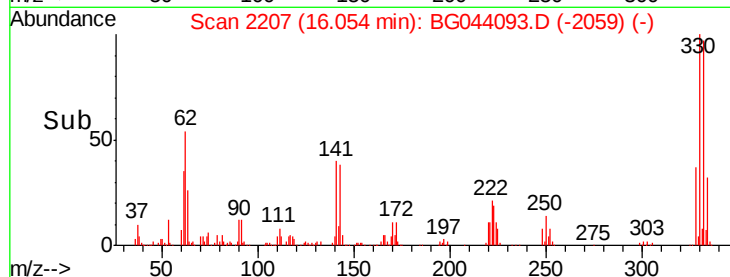
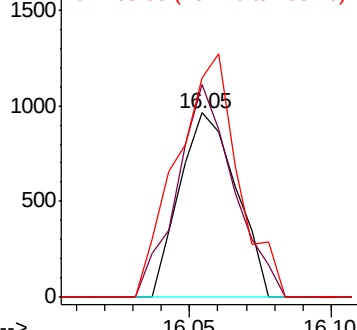
105 119.0 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.613 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.47 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

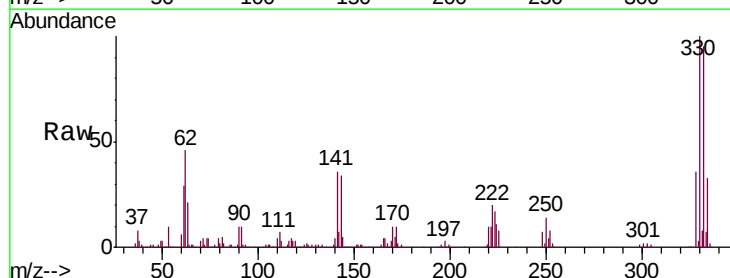
Tgt Ion:248 Resp: 24920

Ion Ratio Lower Upper

248 100

250 192.9 78.2 117.2#

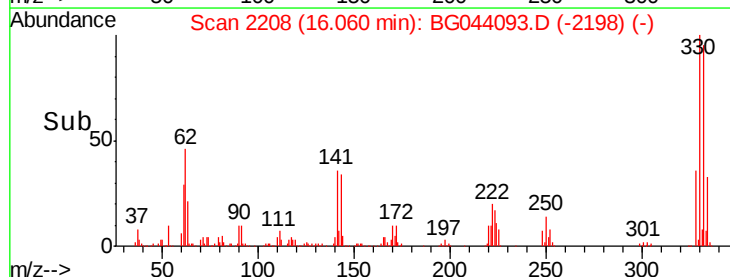
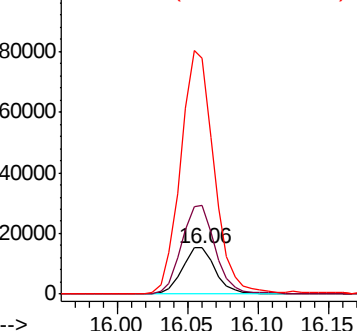
141 508.2 59.3 88.9#

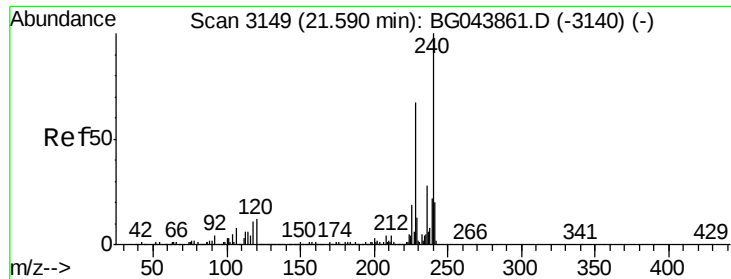


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

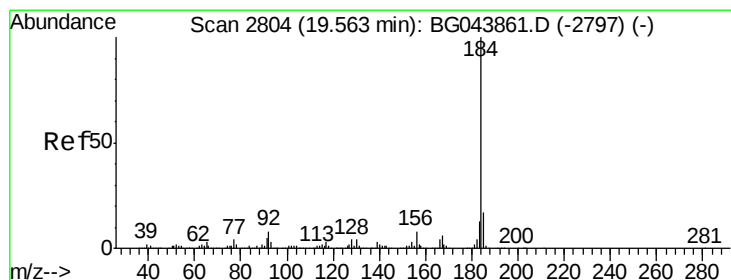
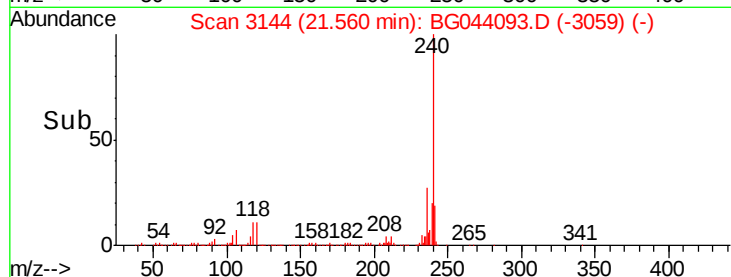
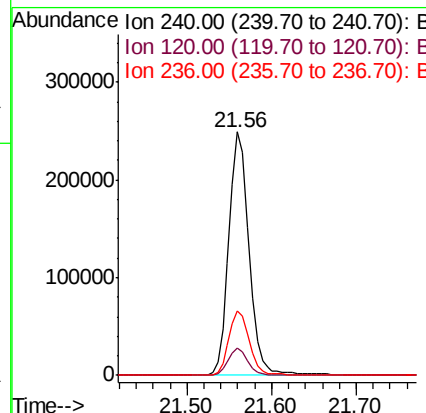
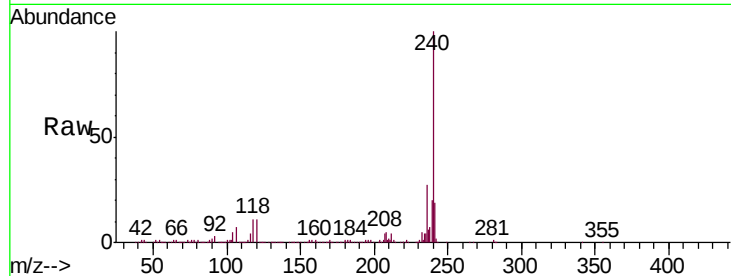




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.03 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

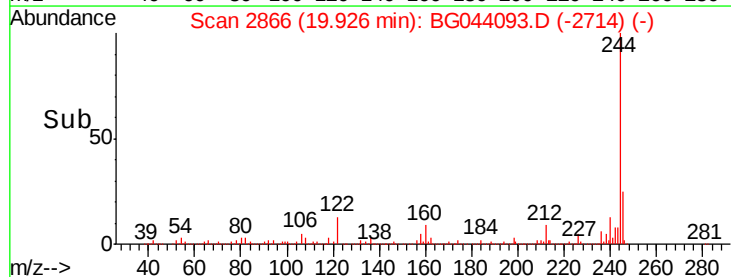
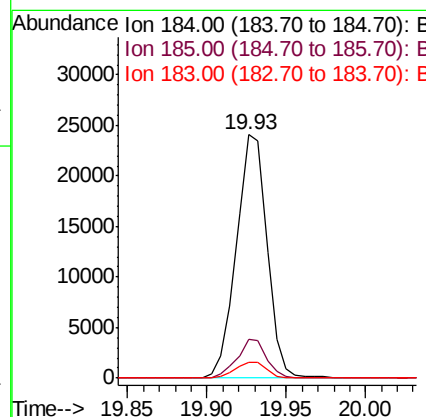
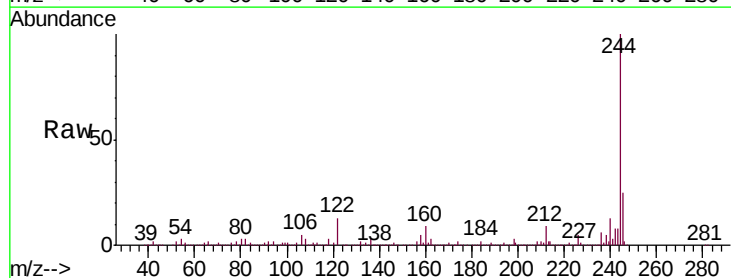
Instrument :
BNA_G
ClientSampleId :
SP5028

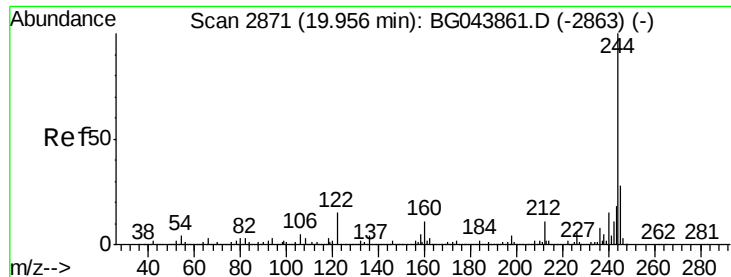
Tgt Ion:240 Resp: 413134
Ion Ratio Lower Upper
240 100
120 11.2 9.6 14.4
236 26.7 22.2 33.2



#77
Benzidine
Concen: 3.113 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044093.D
Acq: 20 Jan 2020 11:46

Tgt Ion:184 Resp: 32326
Ion Ratio Lower Upper
184 100
185 15.7 13.4 20.0
183 6.4 10.6 15.8#





#79

Terphenyl-d14

Concen: 120.258 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

Instrument :

BNA_G

ClientSampleId :

SP5028

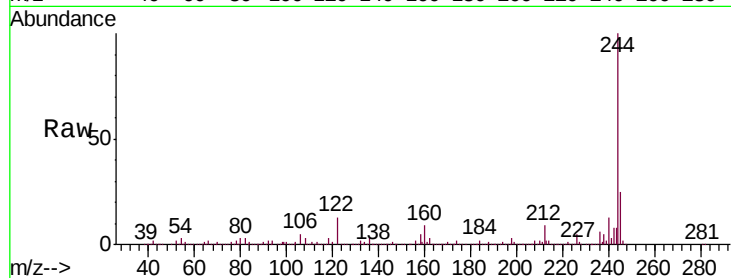
Tgt Ion:244 Resp: 1859433

Ion Ratio Lower Upper

244 100

212 9.1 8.6 13.0

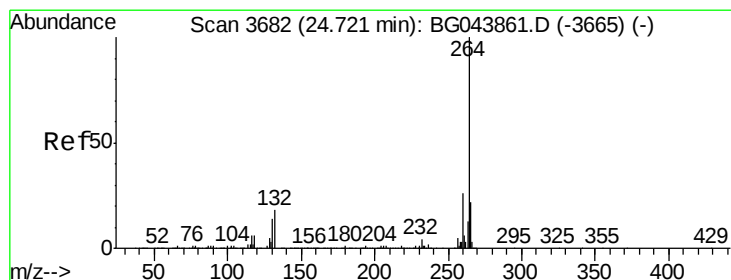
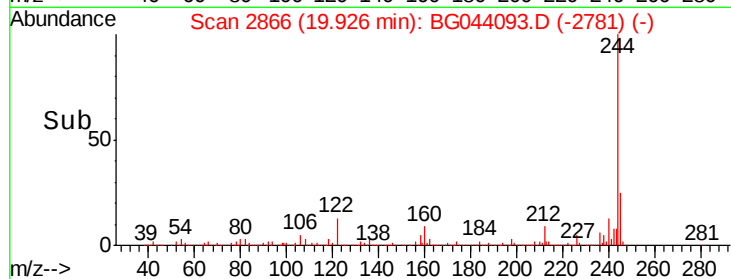
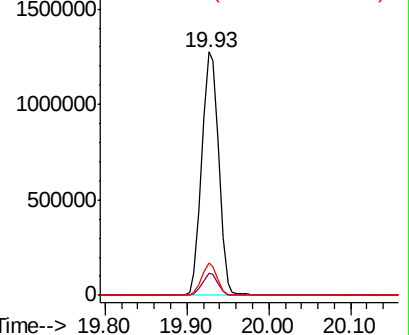
122 13.4 11.9 17.9



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: 24.67 min Scan# 3674

Delta R.T. -0.05 min

Lab File: BG044093.D

Acq: 20 Jan 2020 11:46

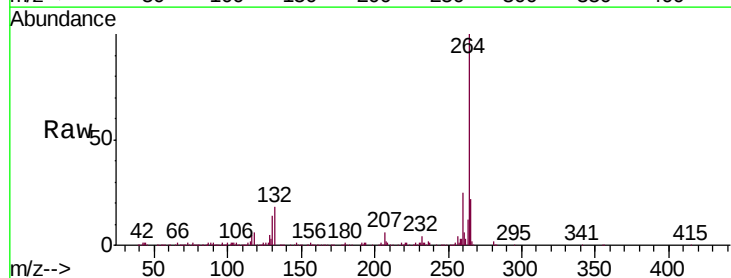
Tgt Ion:264 Resp: 451783

Ion Ratio Lower Upper

264 100

260 24.6 20.4 30.6

265 21.9 17.4 26.2



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

