

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044129.D
 Acq On : 21 Jan 2020 12:07
 Operator : JU
 Sample : L1162-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AOC-9-NORTH

Quant Time: Jan 21 13:23:14 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

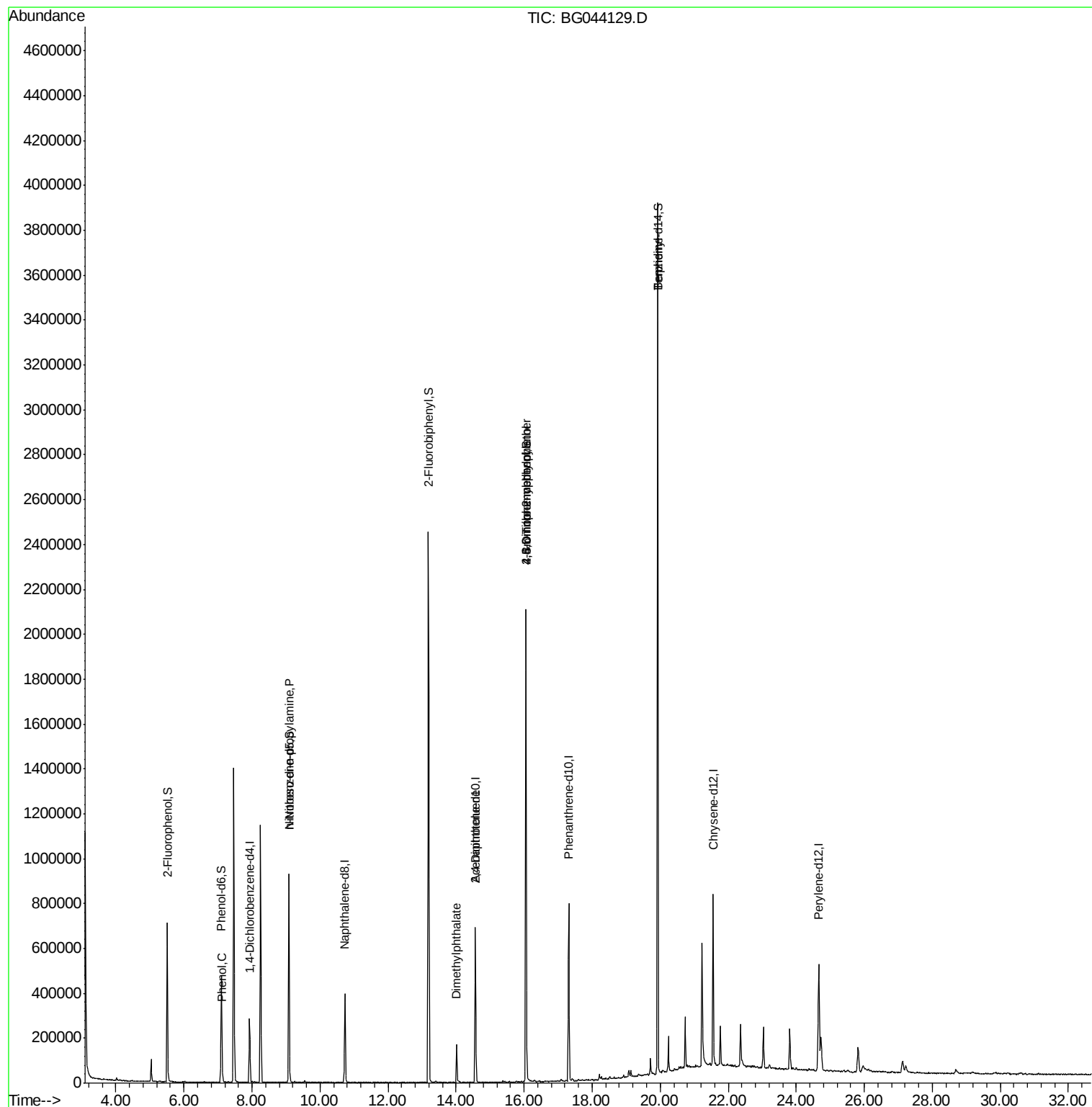
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	84446	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	365745	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	249116	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	512912	20.00	ng	-0.02
76) Chrysene-d12	21.55	240	431623	20.00	ng	-0.04
87) Perylene-d12	24.66	264	482760	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	353949	76.96	ng	-0.03
7) Phenol-d6	7.10	99	306754	47.72	ng	-0.02
23) Nitrobenzene-d5	9.09	82	588289	86.05	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	391740	150.27	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1353806	98.46	ng	-0.04
79) Terphenyl-d14	19.93	244	1756930	103.80	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	27810	4.20	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	9.09	70	78437	16.38	ng	# 77
50) Dimethylphthalate	14.02	163	127958	7.23	ng	97
57) 2,4-Dinitrotoluene	14.57	165	32794	6.03	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1368	4.86	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	28400	4.92	ng	# 1
77) Benzidine	19.93	184	31047	2.86	ng	# 83

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

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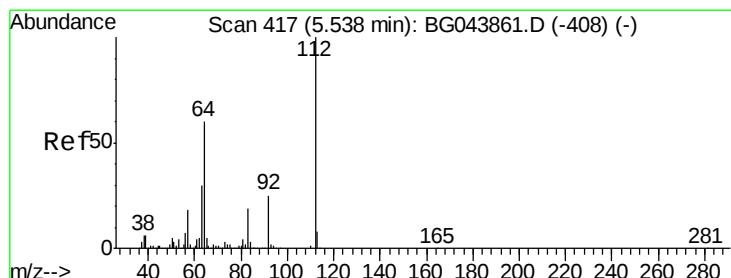
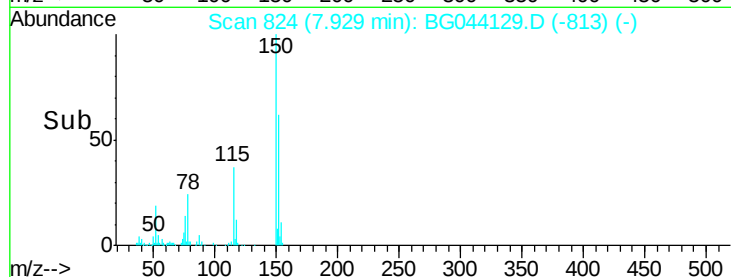
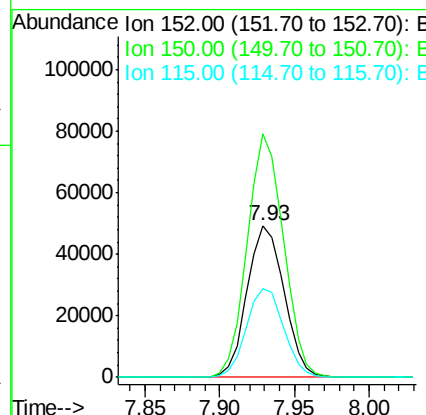
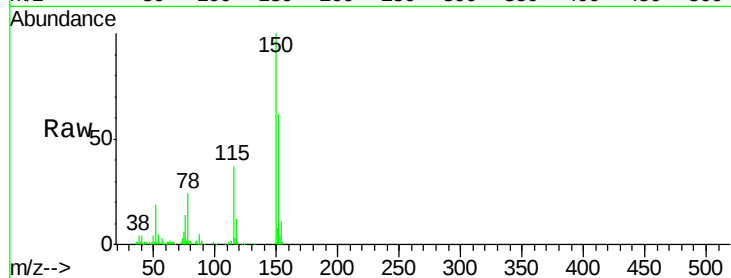


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

Instrument :
BNA_G
ClientSampleId :
AOC-9-NORTH

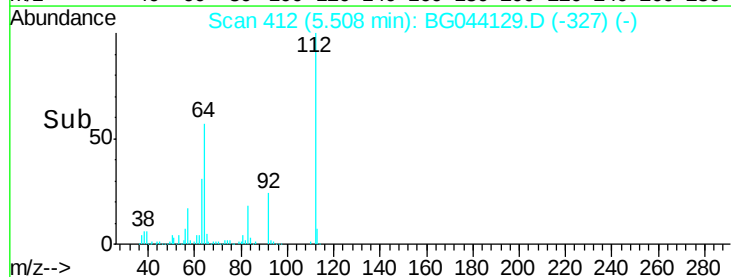
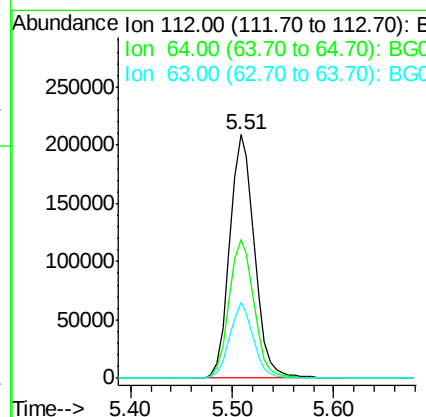
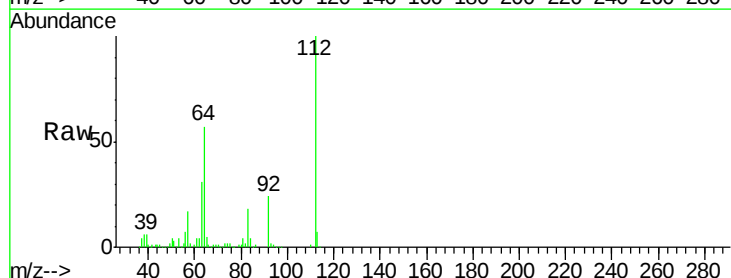
Tgt Ion:152 Resp: 84446
Ion Ratio Lower Upper
152 100
150 160.3 127.0 190.4
115 58.7 47.8 71.8



#5

2-Fluorophenol
Concen: 76.96 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

Tgt Ion:112 Resp: 353949
Ion Ratio Lower Upper
112 100
64 56.9 47.8 71.6
63 31.2 24.3 36.5





#7

Phenol-d6

Concen: 47.72 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044129.D

Acq: 21 Jan 2020 12:07

Instrument :

BNA_G

ClientSampleId :

AOC-9-NORTH

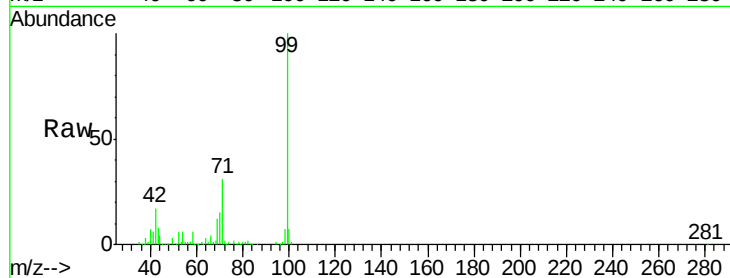
Tgt Ion: 99 Resp: 306754

Ion Ratio Lower Upper

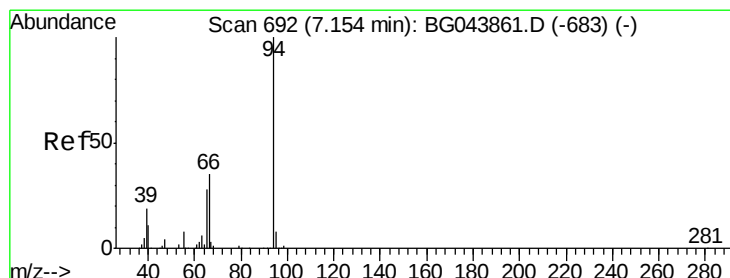
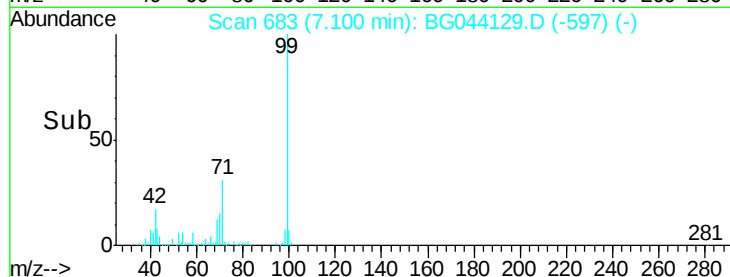
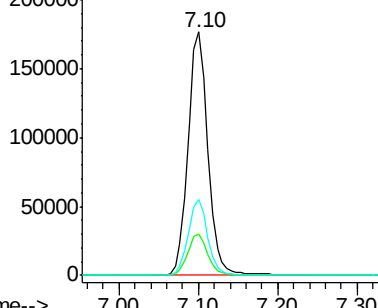
99 100

42 17.0 14.9 22.3

71 30.9 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



#10

Phenol

Concen: 4.20 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044129.D

Acq: 21 Jan 2020 12:07

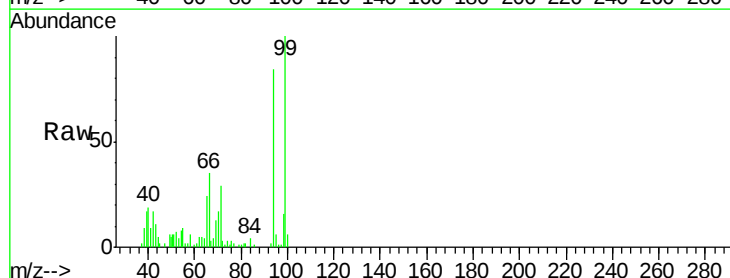
Tgt Ion: 94 Resp: 27810

Ion Ratio Lower Upper

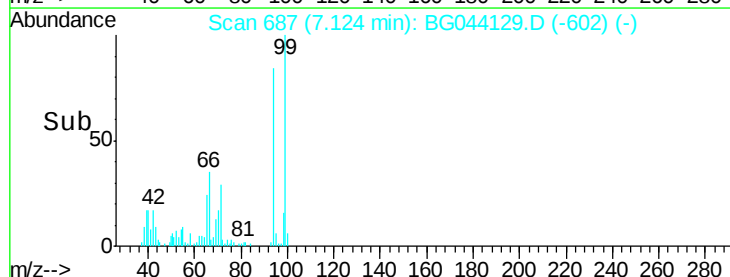
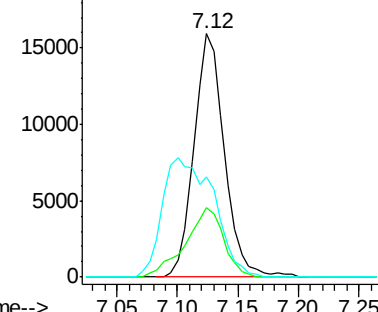
94 100

65 28.7 8.1 48.1

66 41.3 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

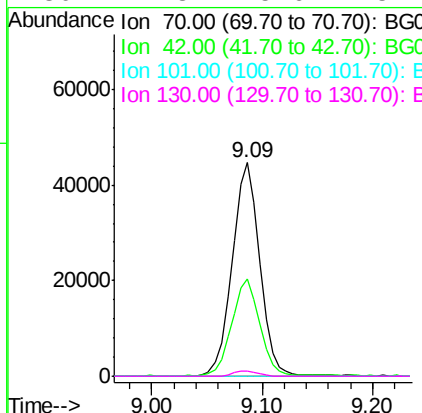
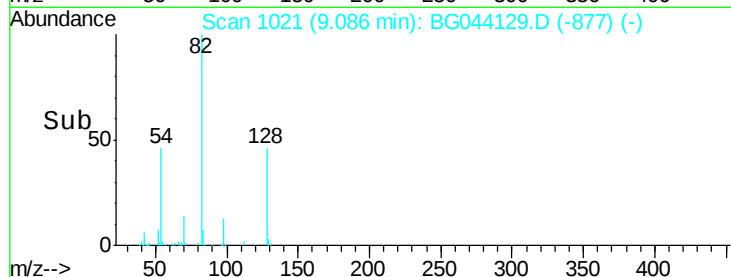
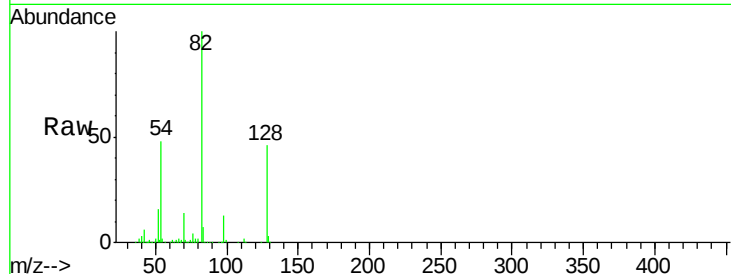




#19
n-Nitroso-di-n-propylamine
Concen: 16.38 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

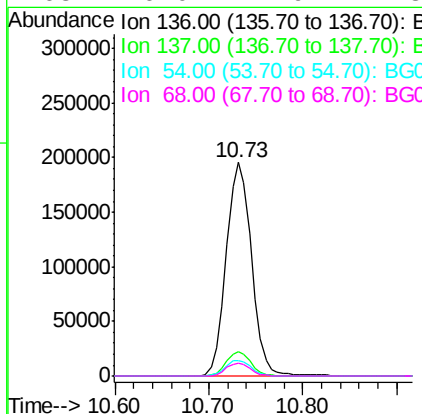
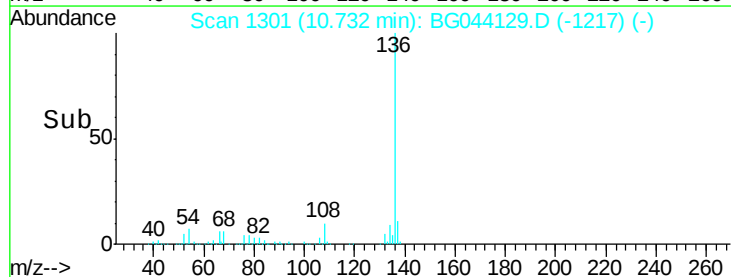
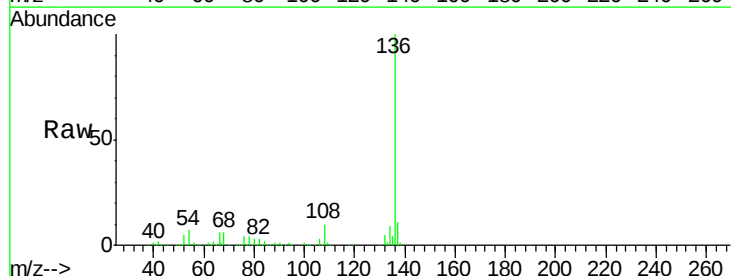
Instrument :
BNA_G
ClientSampleId :
AOC-9-NORTH

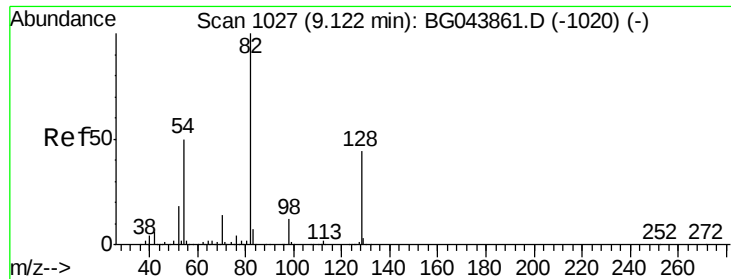
Tgt Ion: 70 Resp: 78437
Ion Ratio Lower Upper
70 100
42 45.7 47.0 70.4#
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

Tgt Ion: 136 Resp: 365745
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.4 7.0 10.4
68 6.0 4.9 7.3

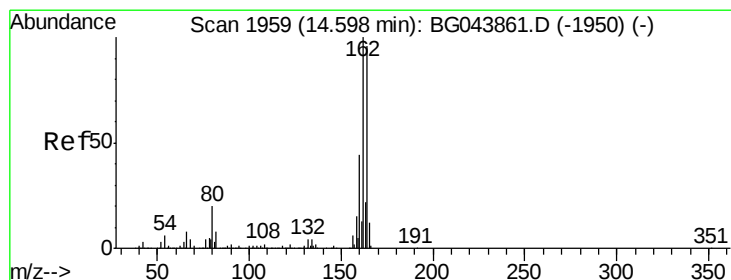
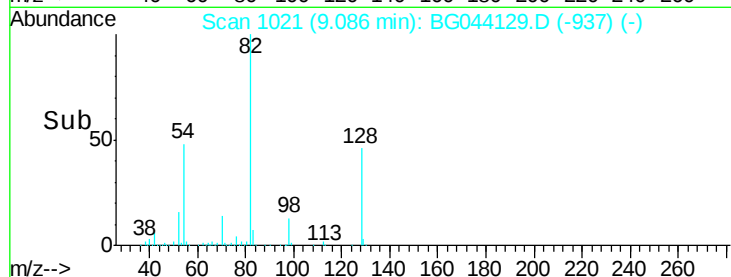
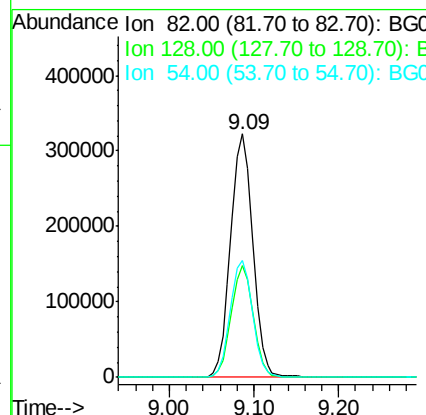
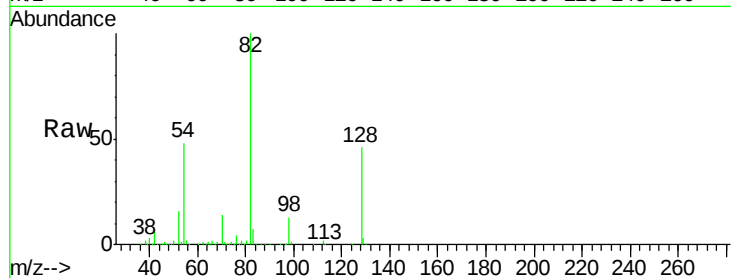




#23
 Nitrobenzene-d5
 Concen: 86.05 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.04 min
 Lab File: BG044129.D
 Acq: 21 Jan 2020 12:07

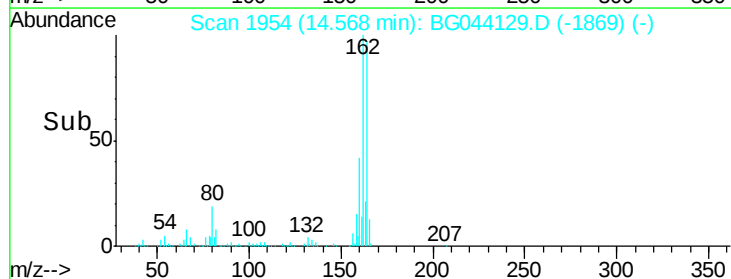
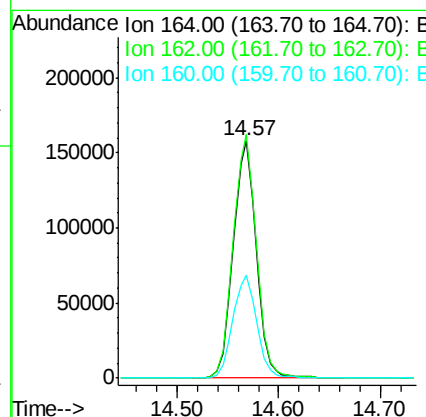
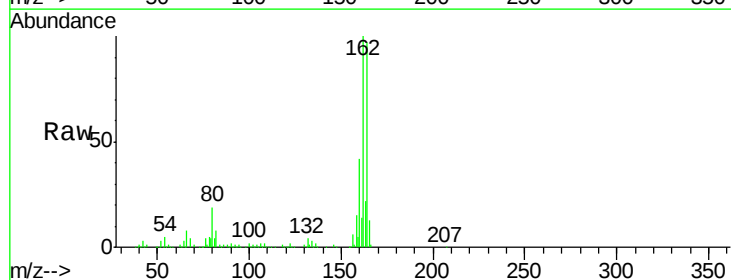
Instrument :
 BNA_G
 ClientSampleId :
 AOC-9-NORTH

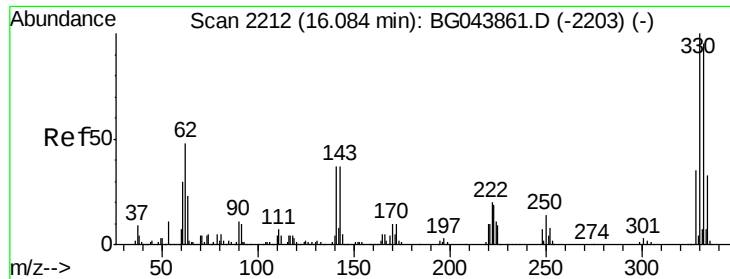
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.1	52.7
54	48.0	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.03 min
 Lab File: BG044129.D
 Acq: 21 Jan 2020 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	83.0	124.4
160	43.3	36.1	54.1

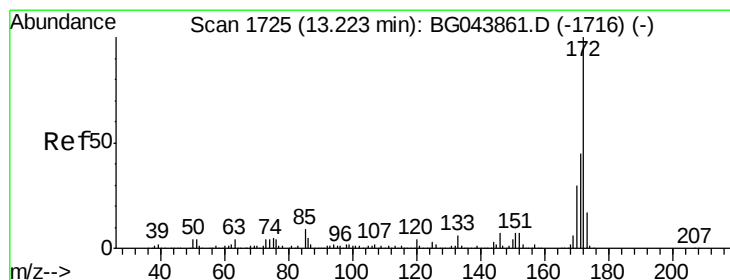
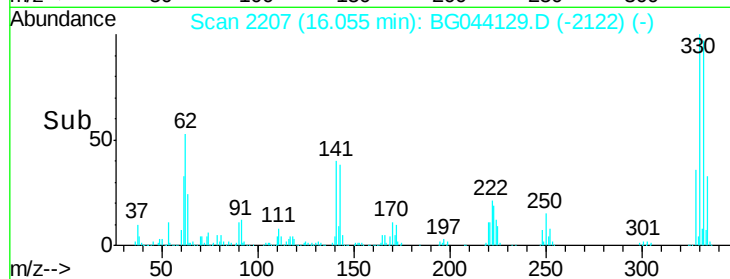
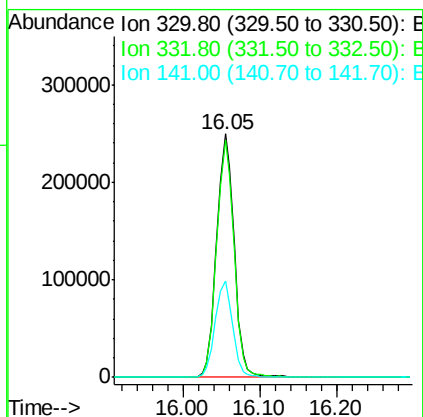
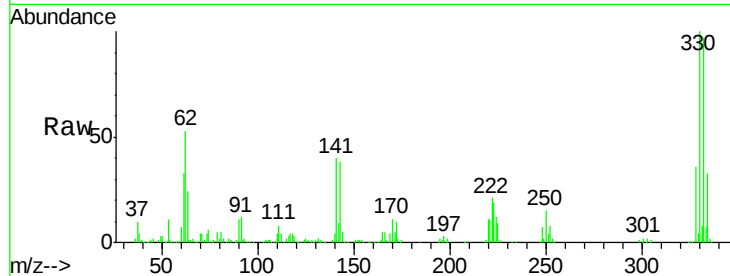




#42
 2,4,6-Tribromophenol
 Concen: 150.27 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.03 min
 Lab File: BG044129.D
 Acq: 21 Jan 2020 12:07

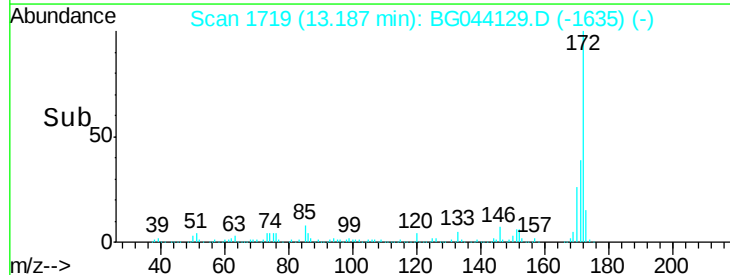
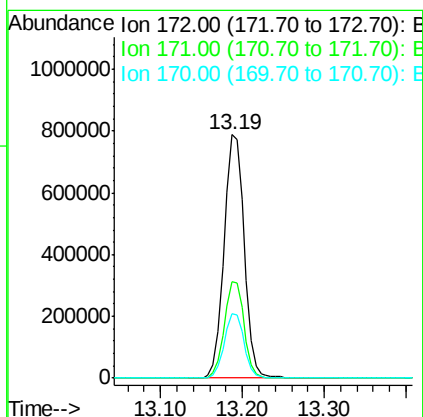
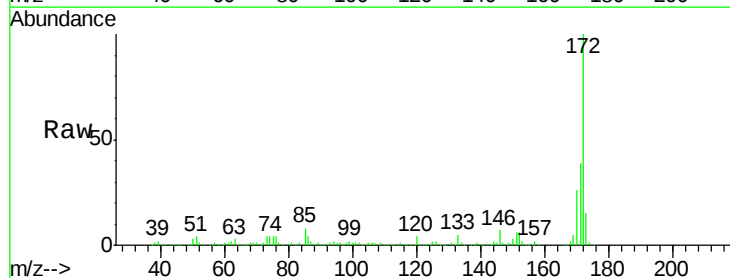
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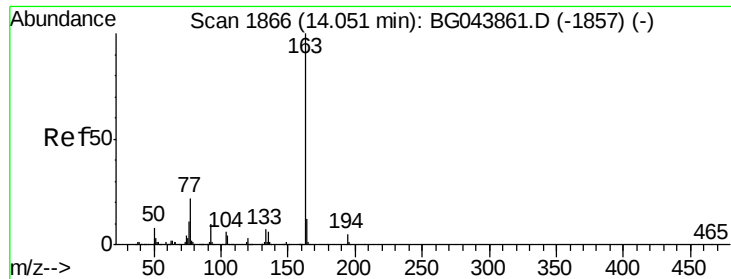
Tgt Ion:330 Resp: 391740
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.2 115.8
 141 39.5 33.1 49.7



#45
 2-Fluorobiphenyl
 Concen: 98.46 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.04 min
 Lab File: BG044129.D
 Acq: 21 Jan 2020 12:07

Tgt Ion:172 Resp: 1353806
 Ion Ratio Lower Upper
 172 100
 171 39.4 35.8 53.8
 170 26.3 24.2 36.4





#50

Dimethylphthalate

Concen: 7.23 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044129.D

Acq: 21 Jan 2020 12:07

Instrument :

BNA_G

ClientSampleId :

AOC-9-NORTH

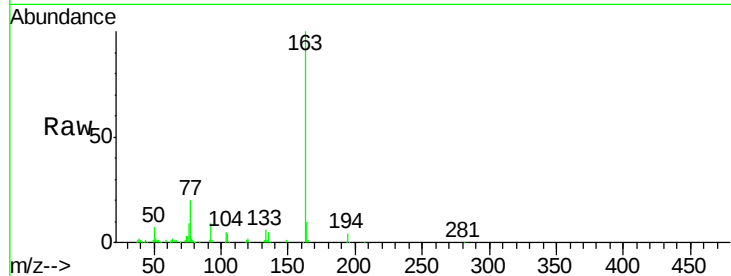
Tgt Ion:163 Resp: 127958

Ion Ratio Lower Upper

163 100

194 3.9 3.7 5.5

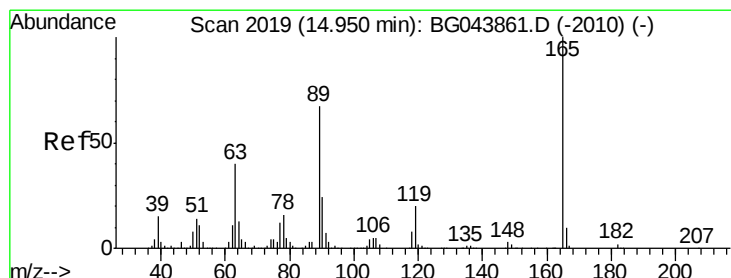
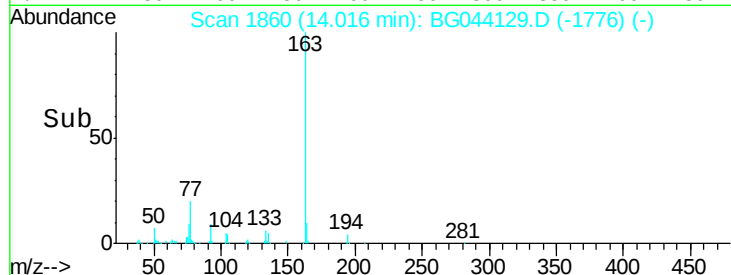
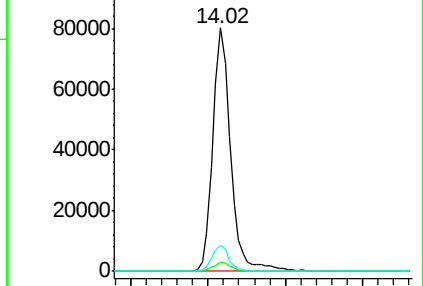
164 10.5 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.03 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.38 min

Lab File: BG044129.D

Acq: 21 Jan 2020 12:07

Tgt Ion:165 Resp: 32794

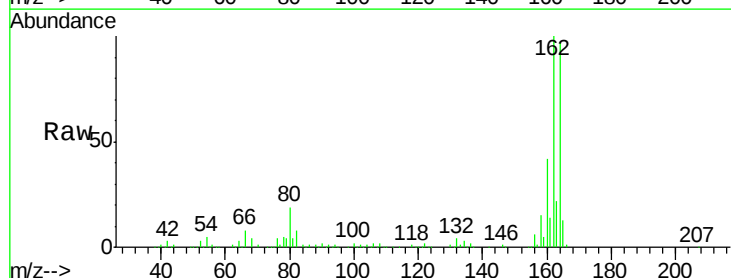
Ion Ratio Lower Upper

165 100

63 1.3 31.9 47.9#

89 2.0 53.8 80.6#

182 0.0 2.0 3.0#

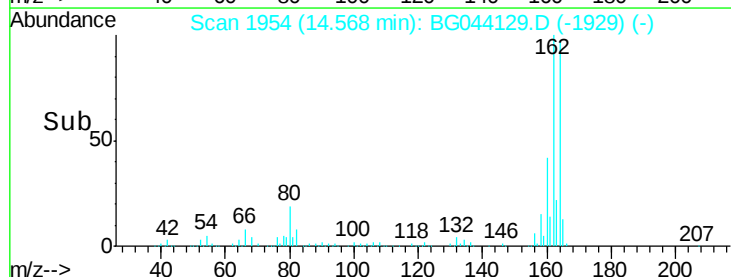
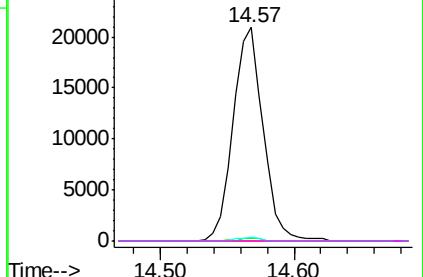


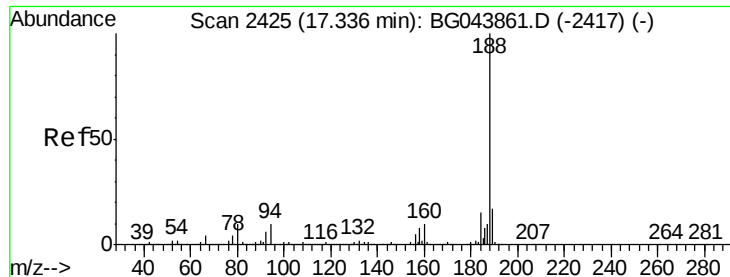
Abundance Ion 165.00 (164.70 to 165.70): E

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

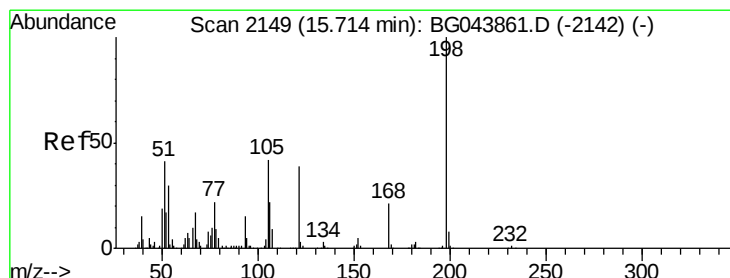
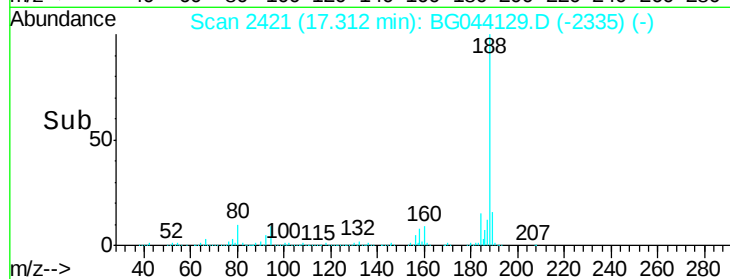
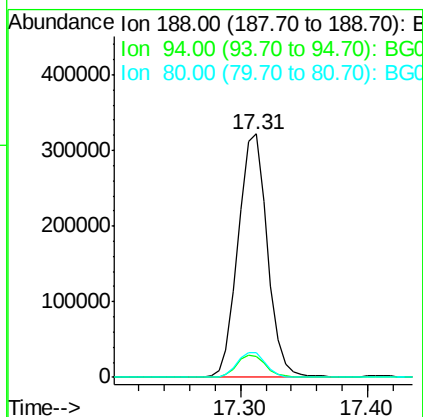
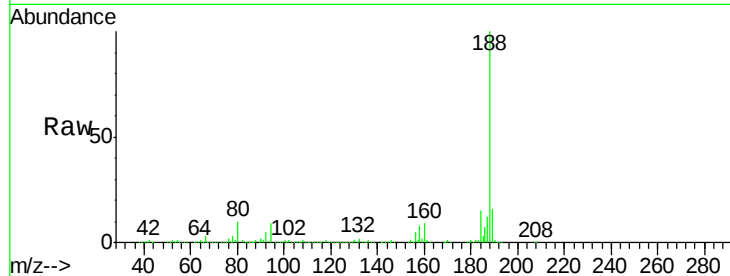




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.31 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

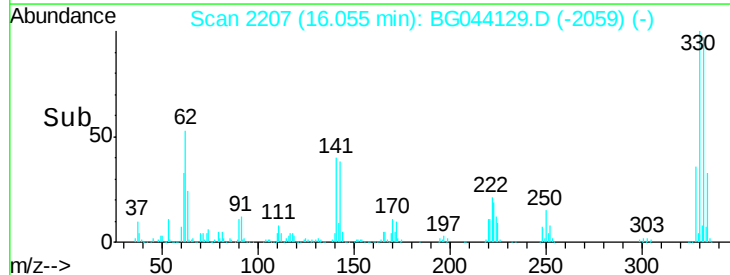
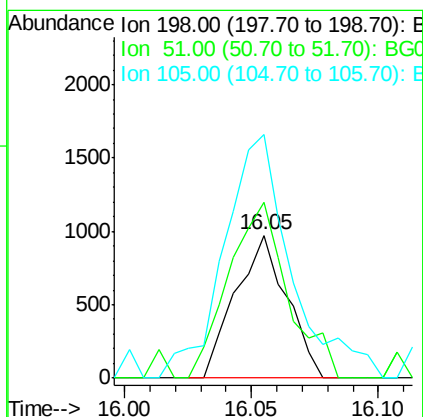
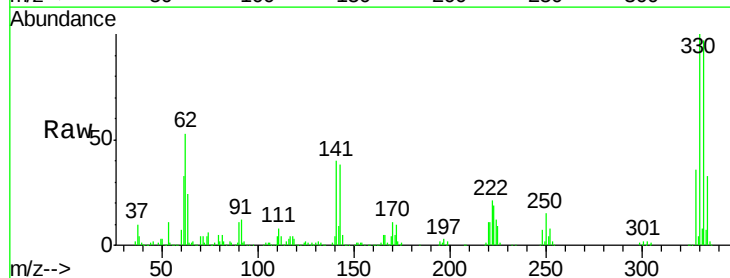
Instrument :
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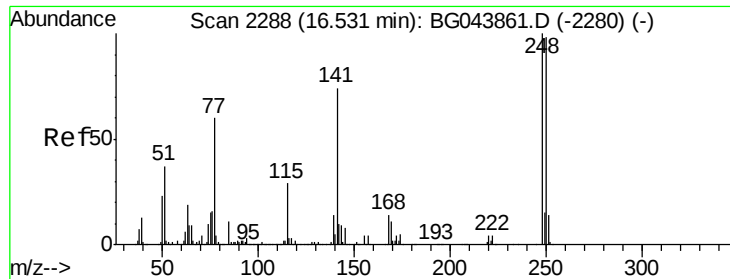
Tgt Ion:188 Resp: 512912
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 10.0 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 4.86 ng
RT: 16.05 min Scan# 2207
Delta R.T. 0.34 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

Tgt Ion:198 Resp: 1368
Ion Ratio Lower Upper
198 100
51 123.0 22.5 62.5#
105 170.2 22.3 62.3#

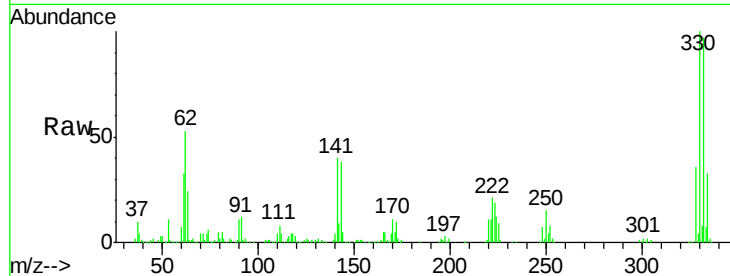




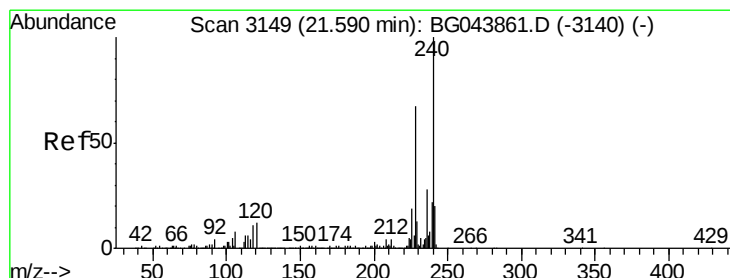
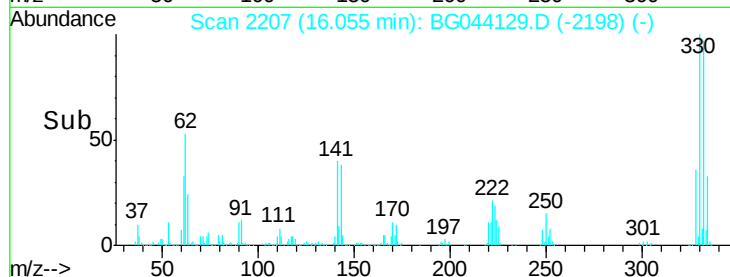
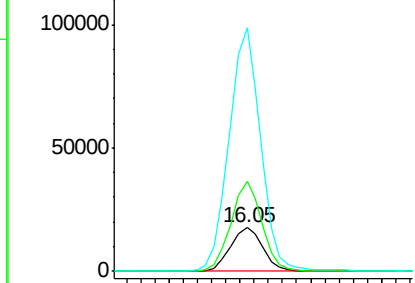
#67
 4-Bromophenyl-phenylether
 Concen: 4.92 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044129.D
 Acq: 21 Jan 2020 12:07

Instrument :
 BNA_G
 ClientSampleId :
 AOC-9-NORTH

Tgt Ion:248 Resp: 28400
 Ion Ratio Lower Upper
 248 100
 250 206.1 78.2 117.2#
 141 559.7 59.3 88.9#

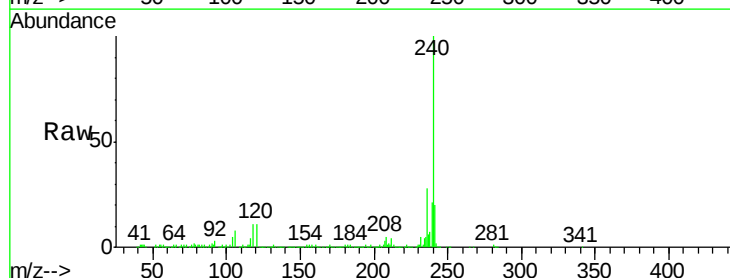


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

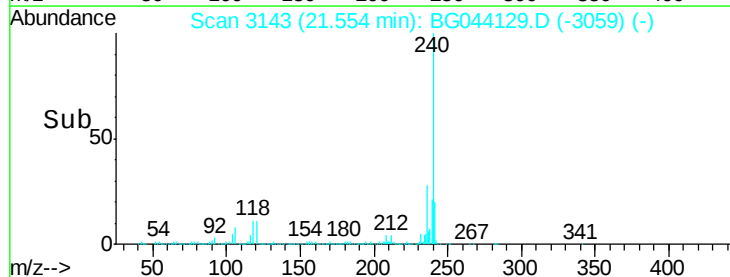
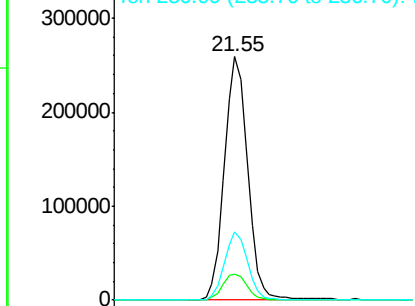


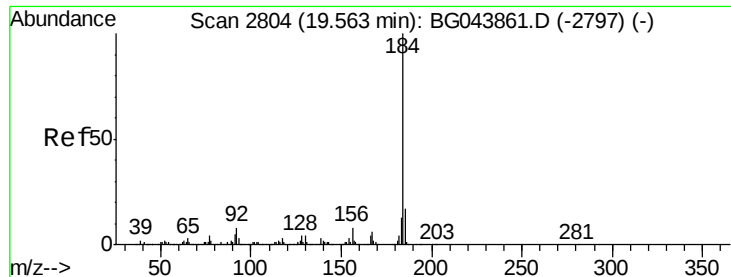
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.04 min
 Lab File: BG044129.D
 Acq: 21 Jan 2020 12:07

Tgt Ion:240 Resp: 431623
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.6 14.4
 236 27.9 22.2 33.2



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: 2.86 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044129.D

Acq: 21 Jan 2020 12:07

Instrument :

BNA_G

ClientSampleId :

AOC-9-NORTH

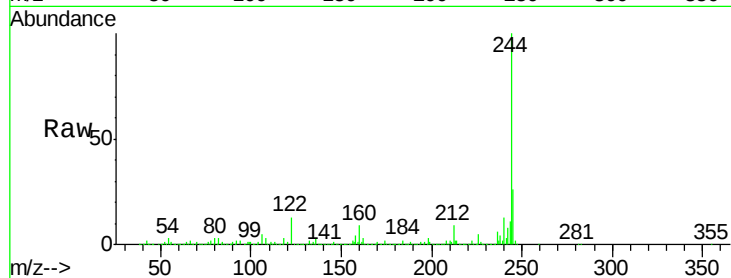
Tgt Ion:184 Resp: 31047

Ion Ratio Lower Upper

184 100

185 25.3 13.4 20.0#

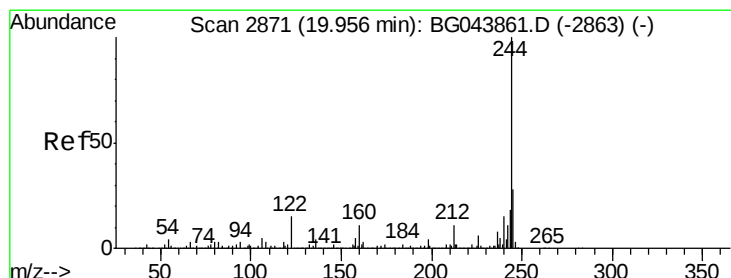
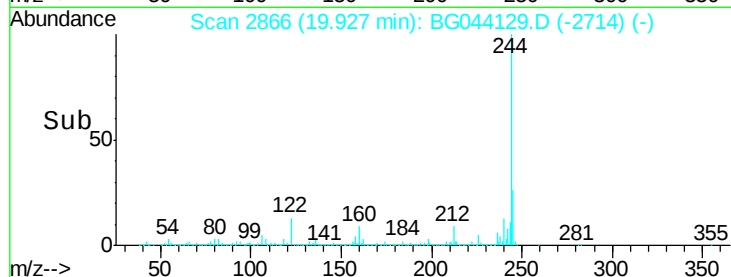
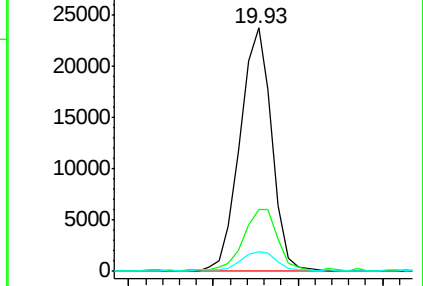
183 8.1 10.6 15.8#



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: 103.80 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044129.D

Acq: 21 Jan 2020 12:07

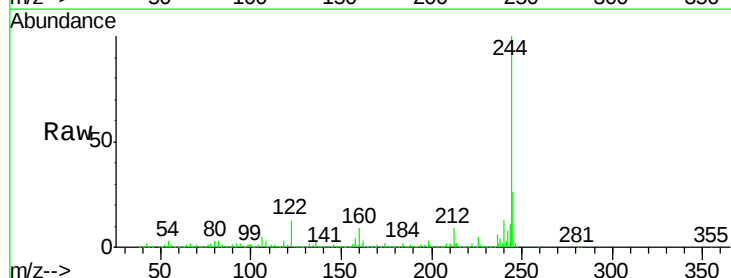
Tgt Ion:244 Resp: 1756930

Ion Ratio Lower Upper

244 100

212 9.0 8.6 13.0

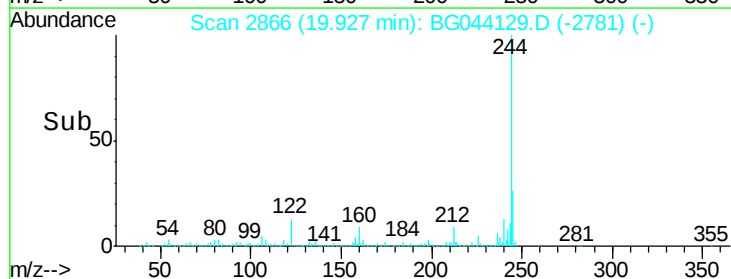
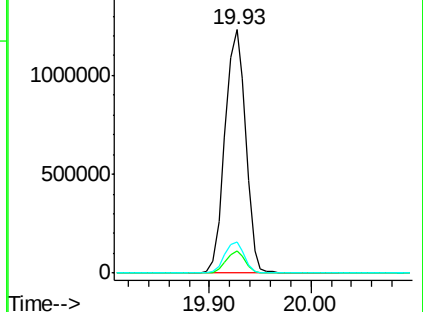
122 12.7 11.9 17.9

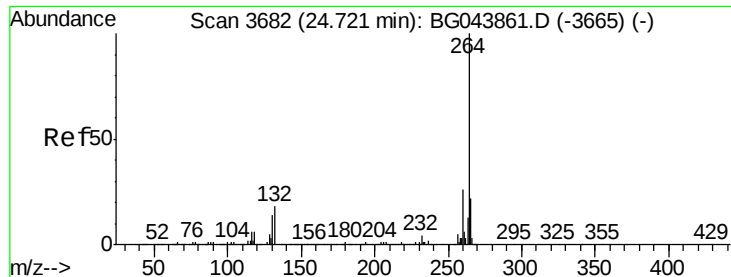


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.00 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044129.D
Acq: 21 Jan 2020 12:07

Instrument :
BNA_G
ClientSampleId :
AOC-9-NORTH

Tgt Ion: 264 Resp: 482760
Ion Ratio Lower Upper
264 100
260 24.3 20.4 30.6
265 21.1 17.4 26.2

