

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG012020\
 Data File : BG044127.D
 Acq On : 21 Jan 2020 10:50
 Operator : JU
 Sample : L1176-16
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-14

Quant Time: Jan 21 11:35:20 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

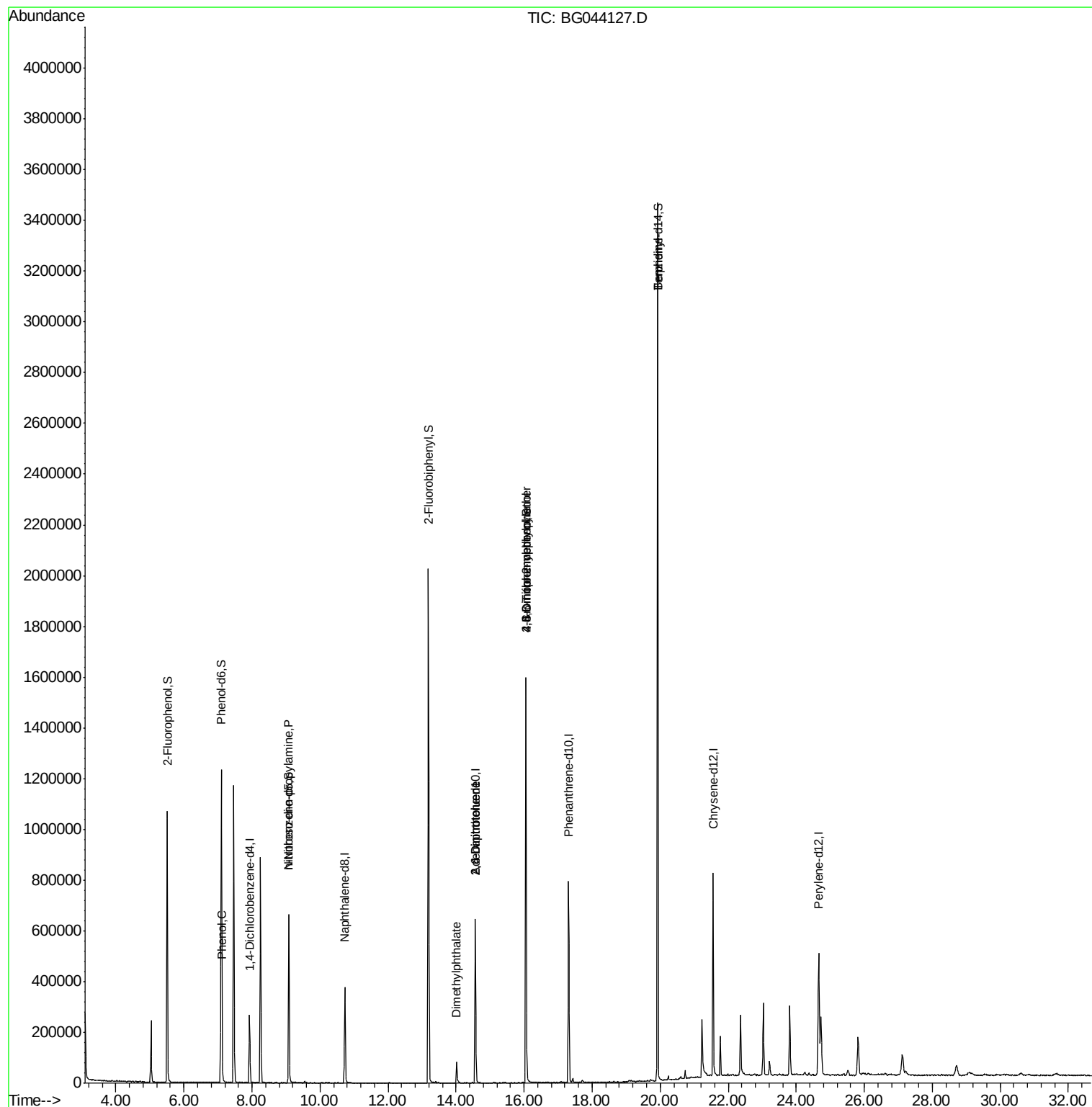
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	76977	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	348767	20.00	ng	-0.03
39) Acenaphthene-d10	14.56	164	246537	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	523360	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	453234	20.00	ng	-0.03
87) Perylene-d12	24.66	264	493620	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	526985	125.70	ng	-0.03
7) Phenol-d6	7.10	99	770922	131.55	ng	-0.02
23) Nitrobenzene-d5	9.08	82	441177	67.67	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	306907	118.96	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1090774	80.16	ng	-0.03
79) Terphenyl-d14	19.93	244	1661101	89.63	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	24610	4.08	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	9.08	70	57519	13.18	ng	# 78
50) Dimethylphthalate	14.02	163	67847	3.88	ng	97
51) 2,6-Dinitrotoluene	14.56	165	31670	8.00	ng	# 25
57) 2,4-Dinitrotoluene	14.56	165	31670	5.88	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.06	198	986	4.72	ng	# 1
67) 4-Bromophenyl-phenylether	16.06	248	22739	3.86	ng	# 1
77) Benzidine	19.93	184	28498	2.50	ng	# 93

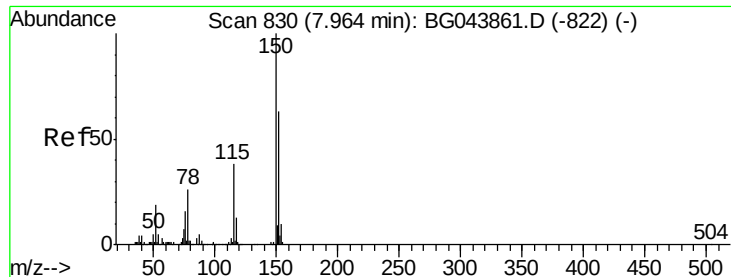
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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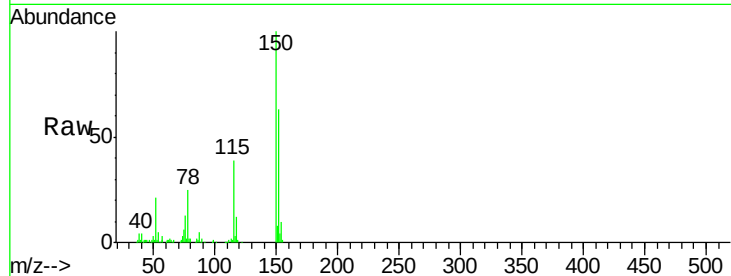


#1

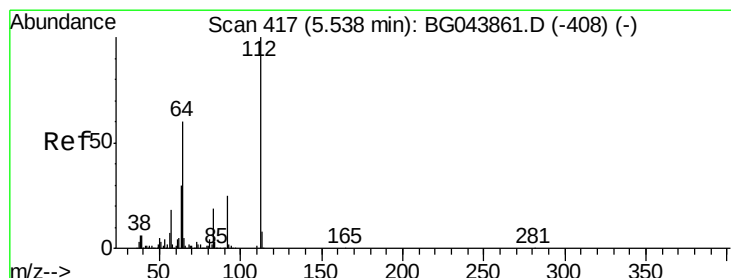
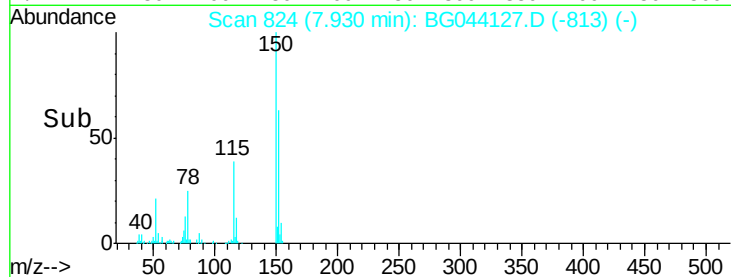
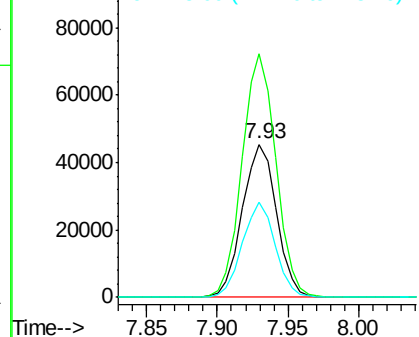
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_G
ClientSampleId :
EP-14

Tgt Ion:152 Resp: 76977
Ion Ratio Lower Upper
152 100
150 158.7 127.0 190.4
115 62.2 47.8 71.8



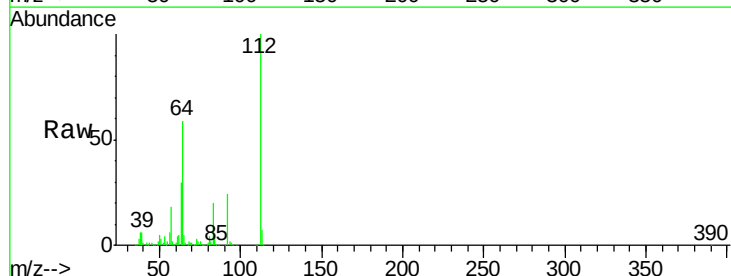
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



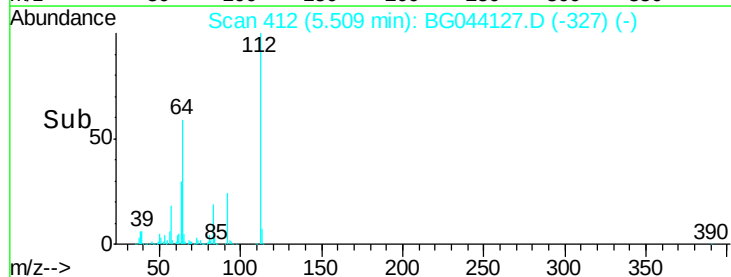
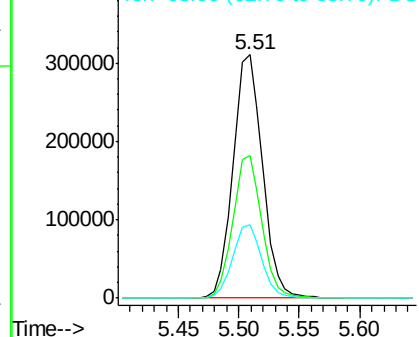
#5

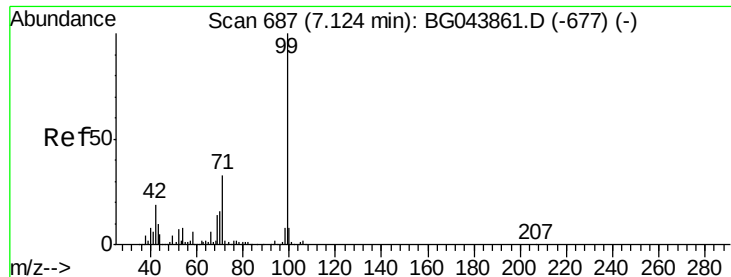
2-Fluorophenol
Concen: 125.70 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

Tgt Ion:112 Resp: 526985
Ion Ratio Lower Upper
112 100
64 58.8 47.8 71.6
63 30.3 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 131.55 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044127.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_G

ClientSampleId :

EP-14

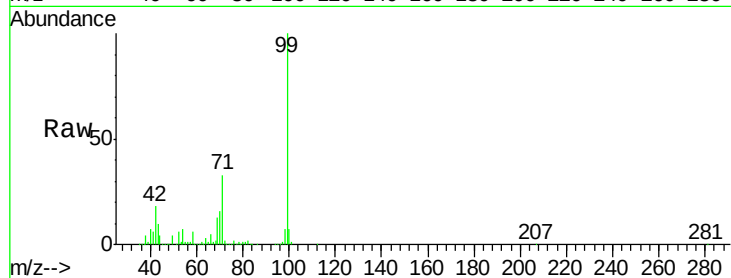
Tgt Ion: 99 Resp: 770922

Ion Ratio Lower Upper

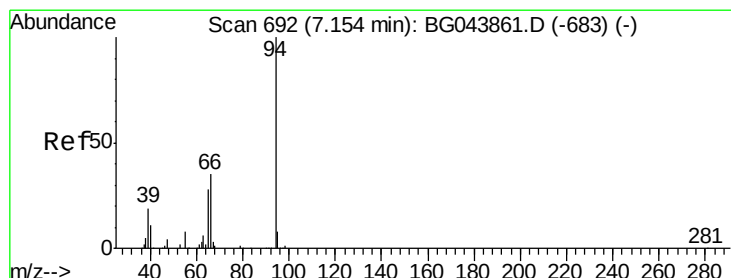
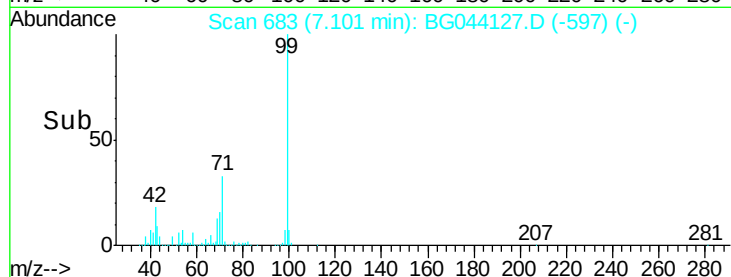
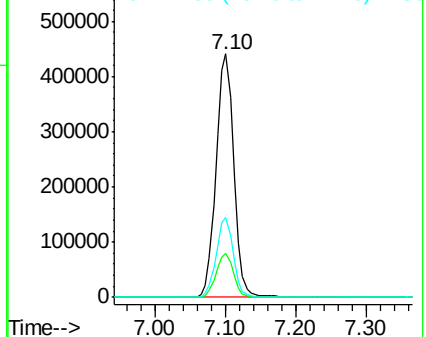
99 100

42 18.1 14.9 22.3

71 32.8 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: 4.08 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044127.D

Acq: 21 Jan 2020 10:50

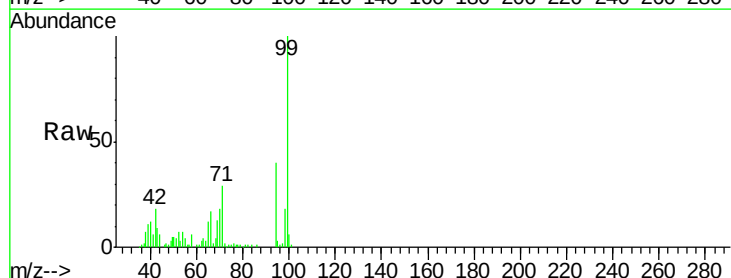
Tgt Ion: 94 Resp: 24610

Ion Ratio Lower Upper

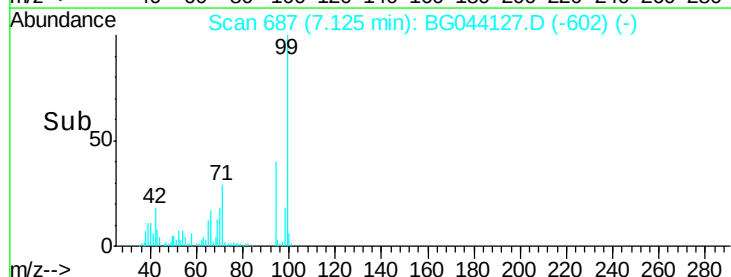
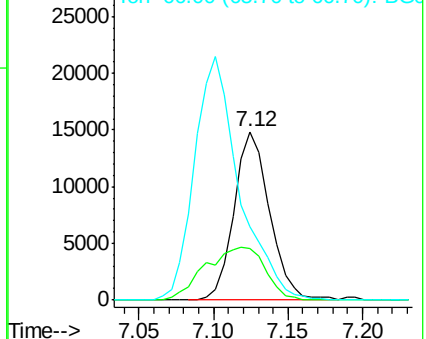
94 100

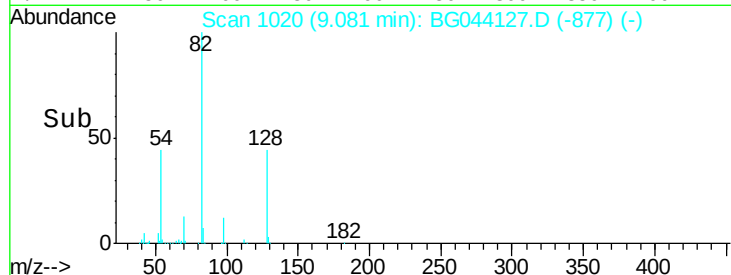
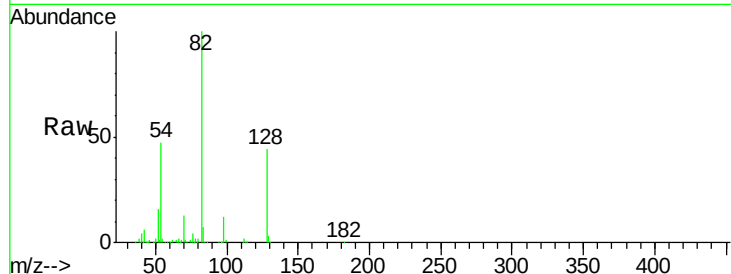
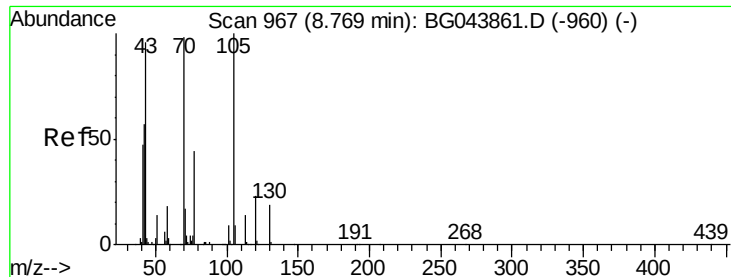
65 31.0 8.1 48.1

66 43.3 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

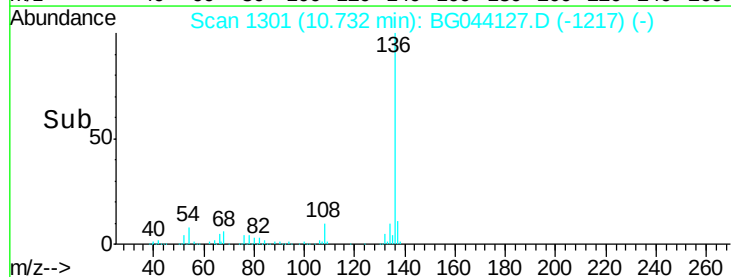
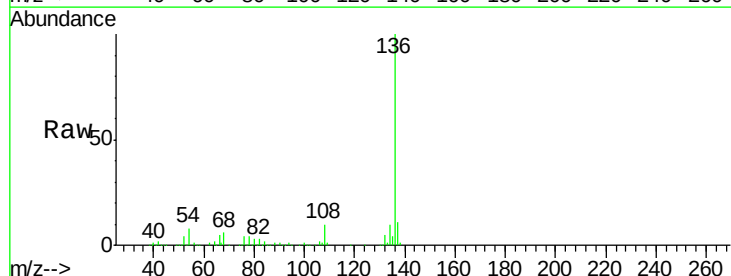
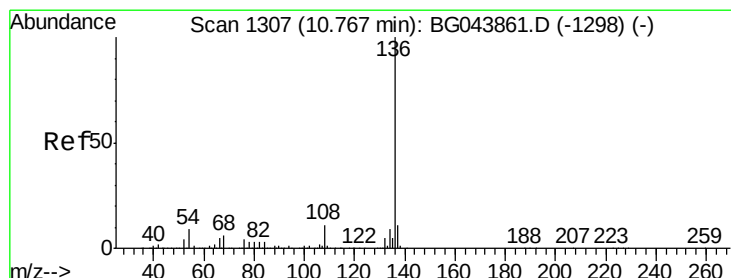
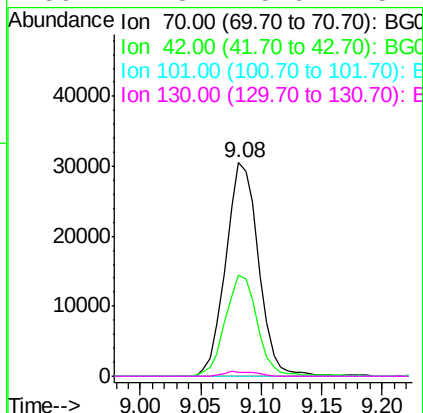




#19
n-Nitroso-di-n-propylamine
Concen: 13.18 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

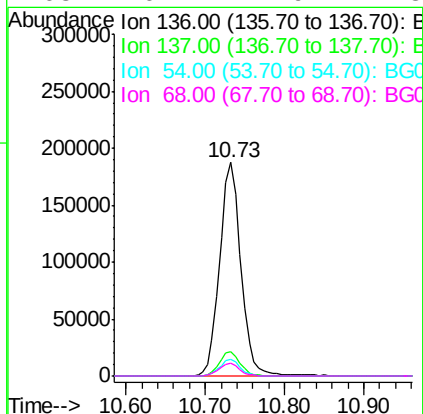
Instrument :
BNA_G
ClientSampleId :
EP-14

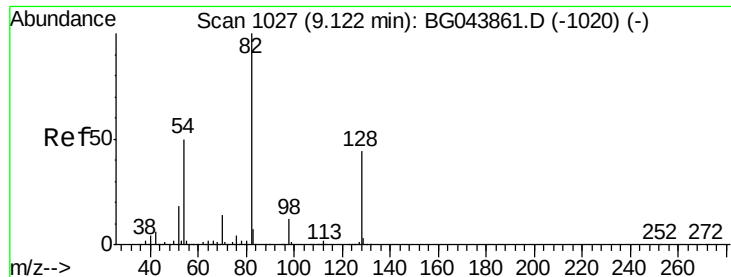
Tgt Ion: 70 Resp: 57519
Ion Ratio Lower Upper
70 100
42 47.2 47.0 70.4
101 0.0 7.2 10.8#
130 1.8 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

Tgt Ion: 136 Resp: 348767
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.8 7.0 10.4
68 6.1 4.9 7.3

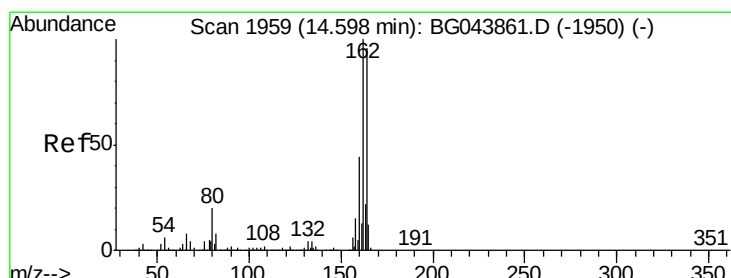
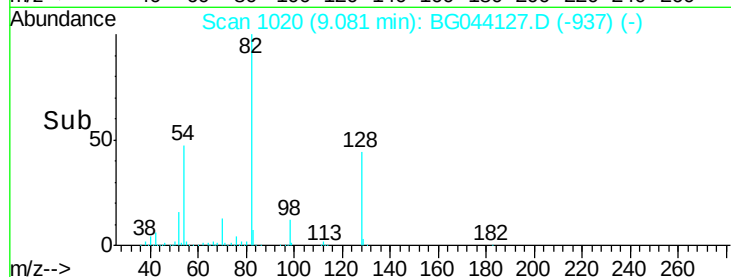
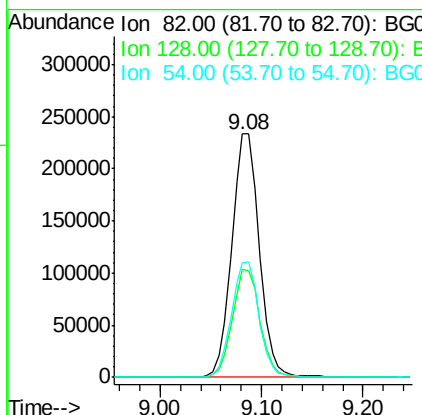
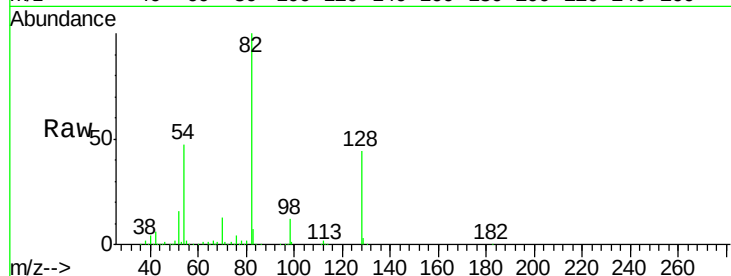




#23
 Nitrobenzene-d5
 Concen: 67.67 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.04 min
 Lab File: BG044127.D
 Acq: 21 Jan 2020 10:50

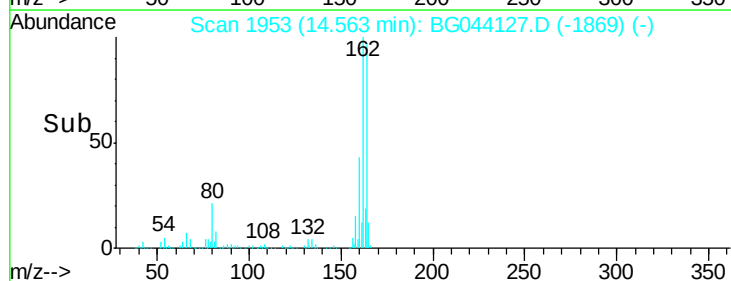
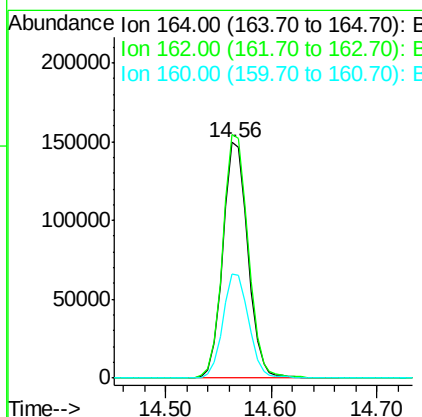
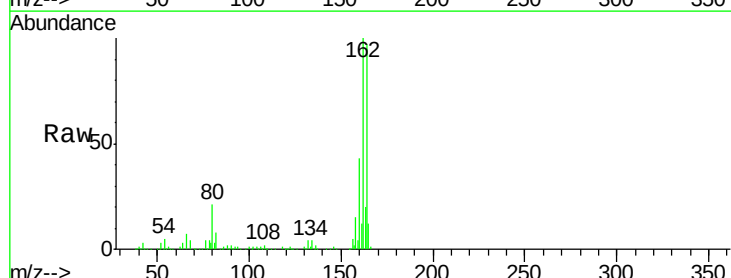
Instrument :
 BNA_G
 ClientSampleId :
 EP-14

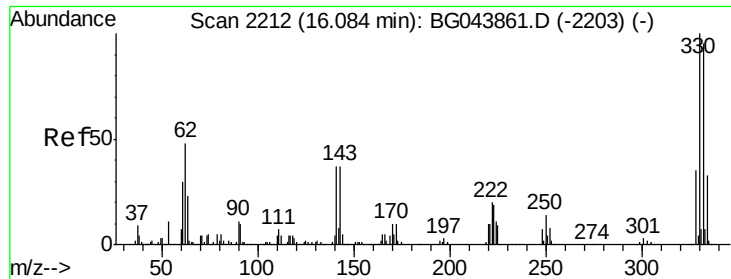
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.1	52.7
54	47.0	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.03 min
 Lab File: BG044127.D
 Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.0	124.4
160	44.4	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 118.96 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044127.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_G

ClientSampleId :

EP-14

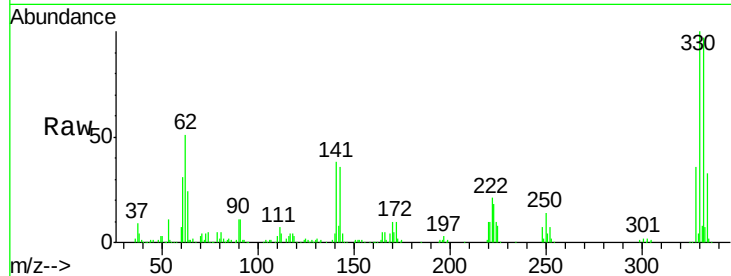
Tgt Ion:330 Resp: 306907

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

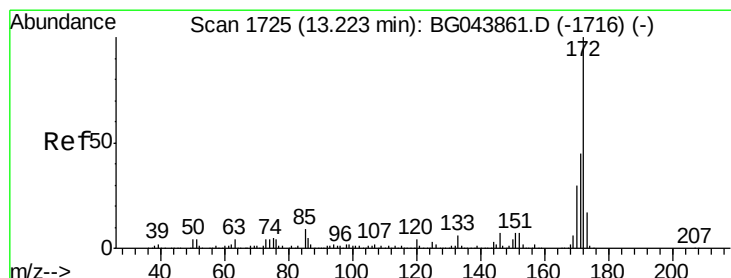
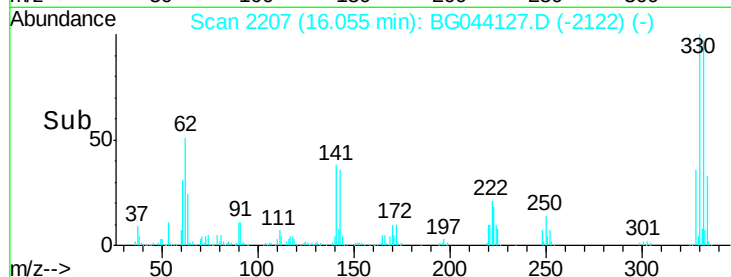
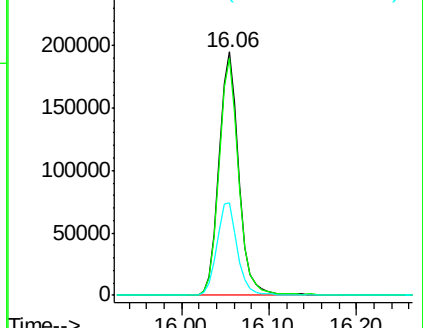
141 39.3 33.1 49.7



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: 80.16 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044127.D

Acq: 21 Jan 2020 10:50

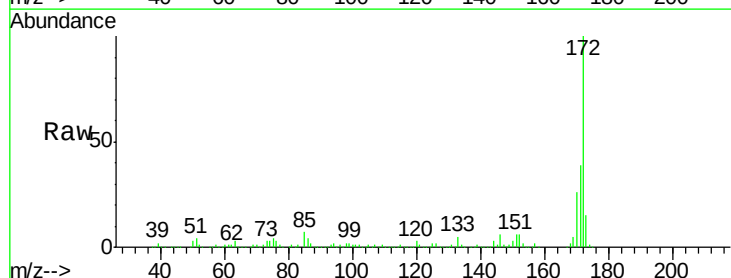
Tgt Ion:172 Resp: 1090774

Ion Ratio Lower Upper

172 100

171 38.5 35.8 53.8

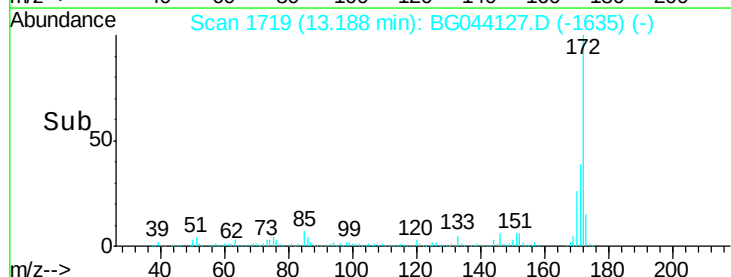
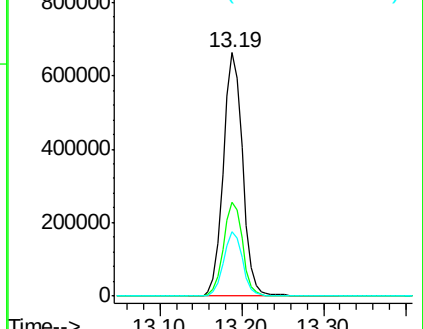
170 26.3 24.2 36.4

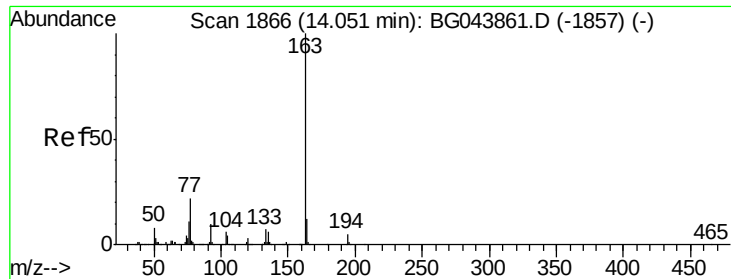


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

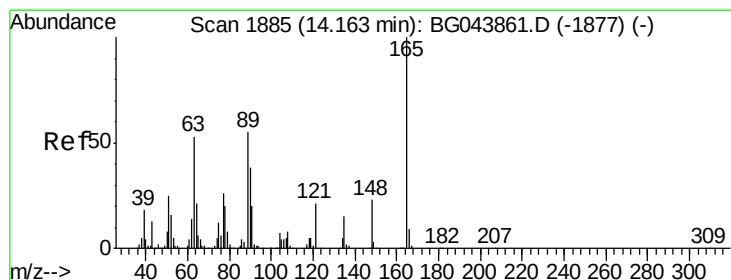
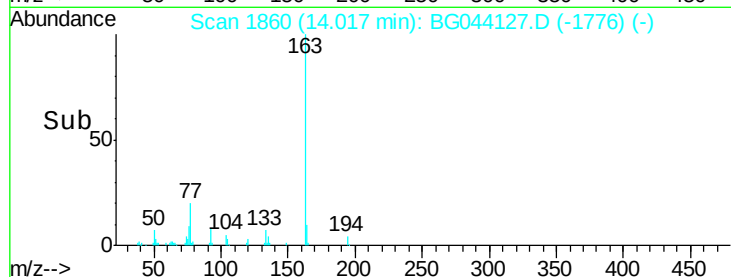
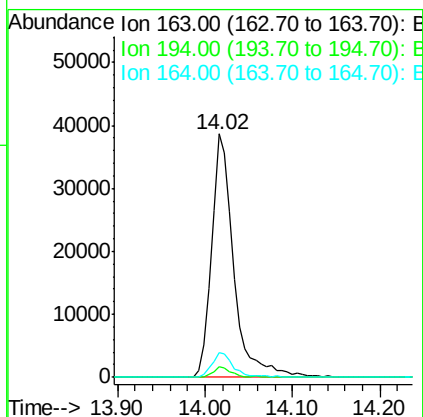
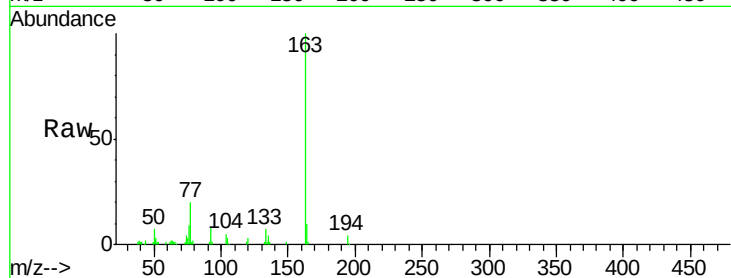




#50
Dimethylphthalate
Concen: 3.88 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.03 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

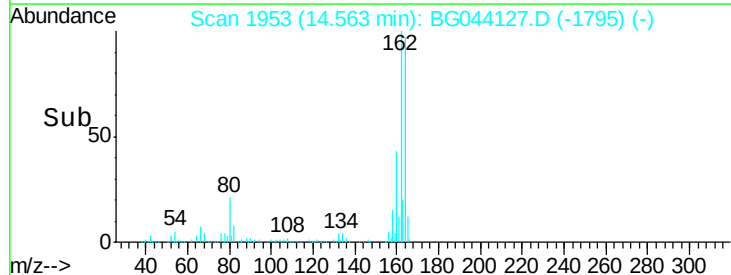
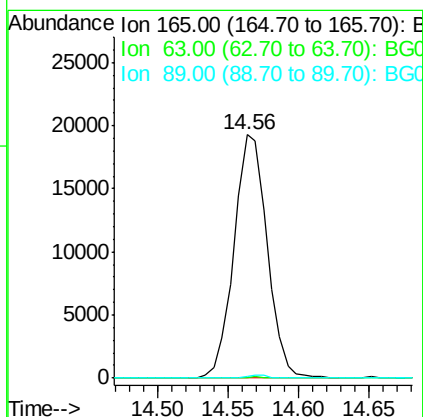
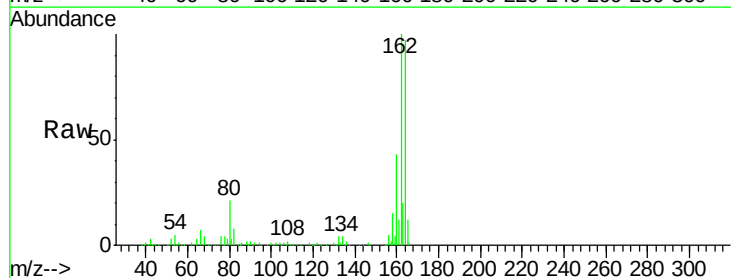
Instrument :
BNA_G
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EP-14

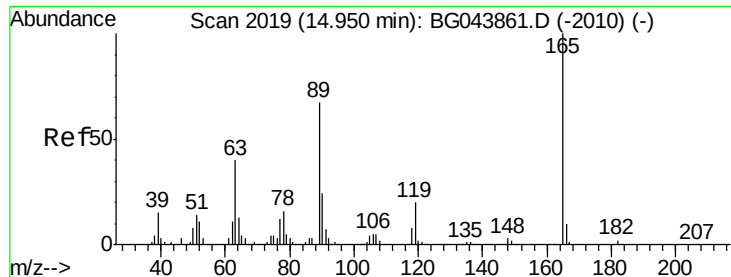
Tgt Ion:163 Resp: 67847
Ion Ratio Lower Upper
163 100
194 4.3 3.7 5.5
164 10.0 9.3 13.9



#51
2,6-Dinitrotoluene
Concen: 8.00 ng
RT: 14.56 min Scan# 1953
Delta R.T. 0.40 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

Tgt Ion:165 Resp: 31670
Ion Ratio Lower Upper
165 100
63 0.0 43.1 64.7#
89 0.9 43.8 65.6#

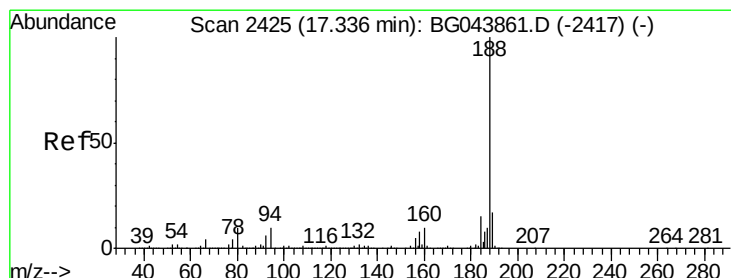
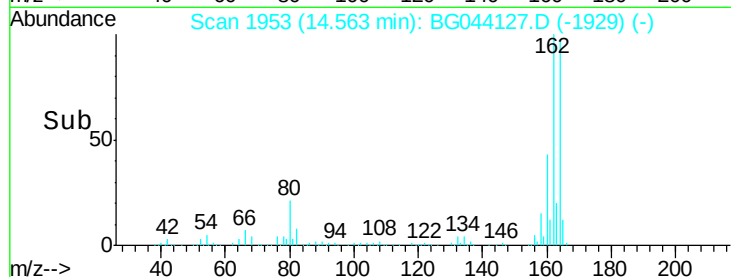
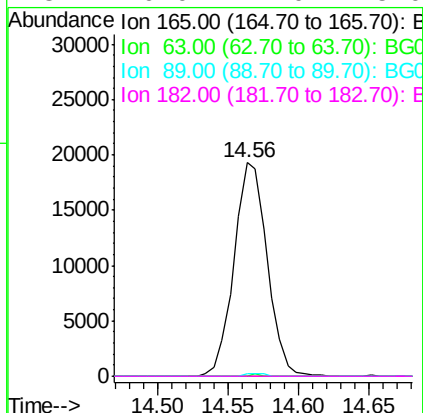
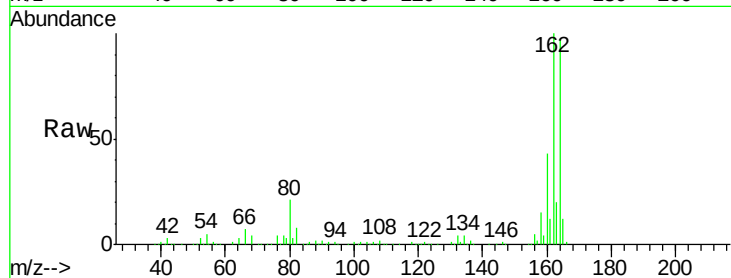




#57
 2,4-Dinitrotoluene
 Concen: 5.88 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044127.D
 Acq: 21 Jan 2020 10:50

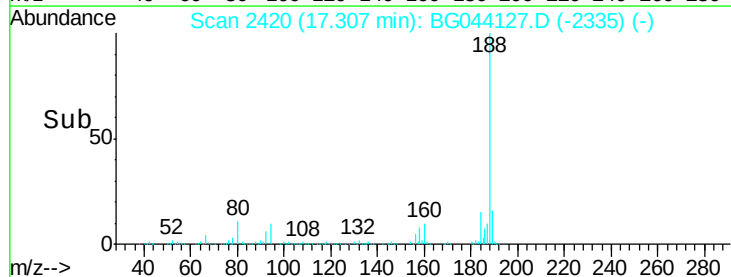
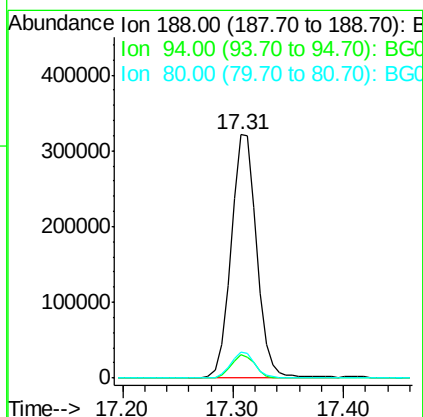
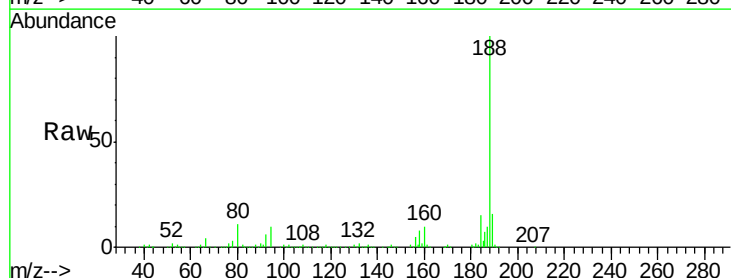
Instrument :
 BNA_G
 ClientSampleId :
 EP-14

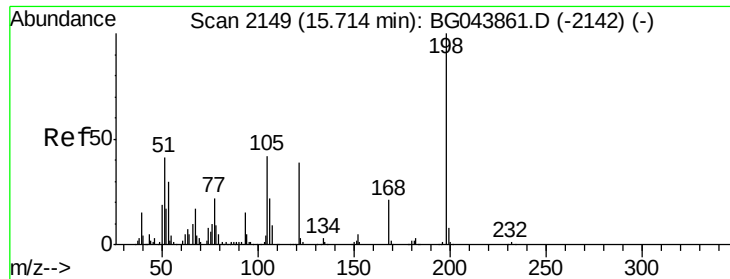
Tgt Ion:	165	Resp:	31670
Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.9	47.9#
89	0.9	53.8	80.6#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044127.D
 Acq: 21 Jan 2020 10:50

Tgt Ion:	188	Resp:	523360
Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.9	11.9
80	10.7	8.2	12.4

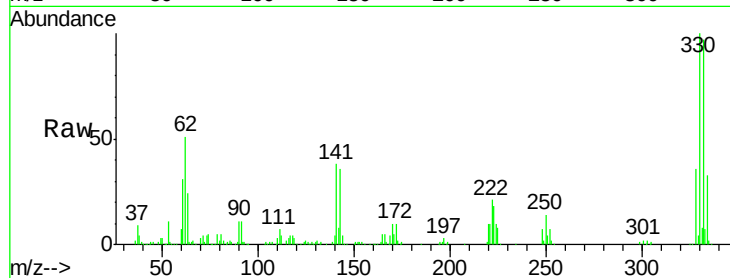




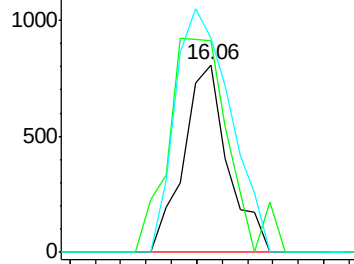
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.72 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. 0.34 min
 Lab File: BG044127.D
 Acq: 21 Jan 2020 10:50

Instrument :
 BNA_G
 ClientSampled :
 EP-14

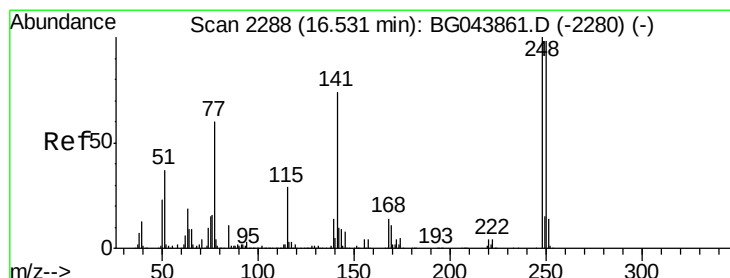
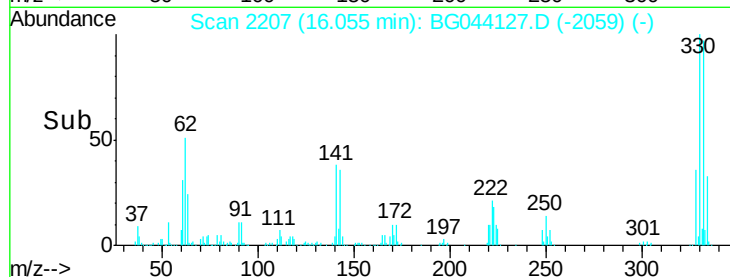
Tgt Ion:198 Resp: 986
 Ion Ratio Lower Upper
 198 100
 51 112.6 22.5 62.5#
 105 114.2 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG043861.D (-2142) (-)
 Ion 105.00 (104.70 to 105.70): E

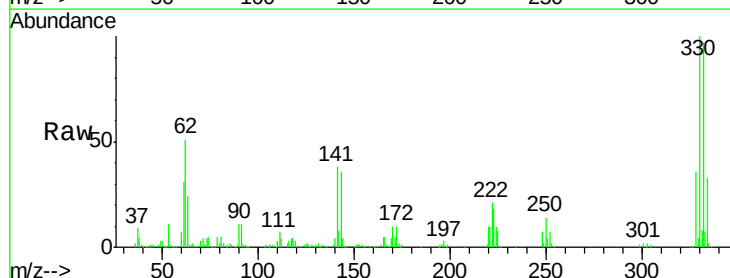


Time--> 16.00 16.05 16.10

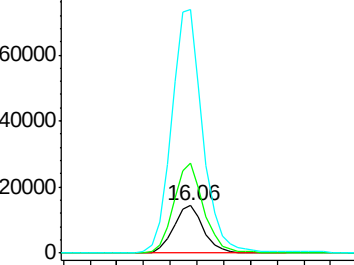


#67
 4-Bromophenyl-phenylether
 Concen: 3.86 ng
 RT: 16.06 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044127.D
 Acq: 21 Jan 2020 10:50

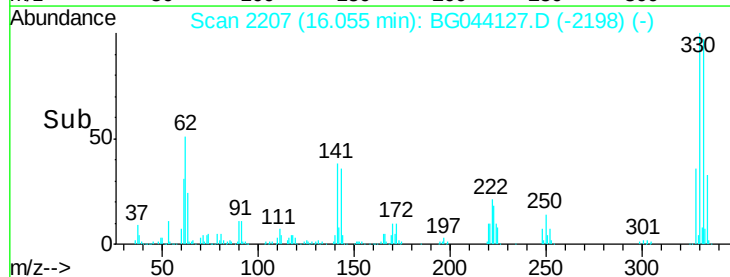
Tgt Ion:248 Resp: 22739
 Ion Ratio Lower Upper
 248 100
 250 189.3 78.2 117.2#
 141 510.5 59.3 88.9#

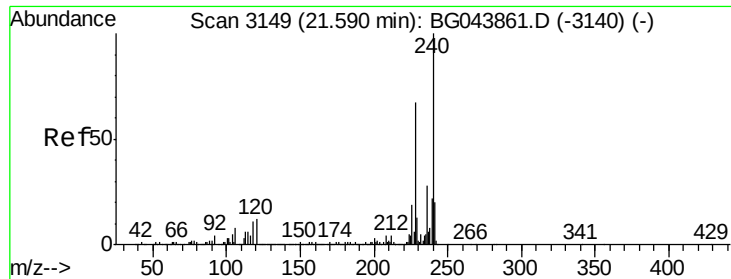


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time--> 16.00 16.10

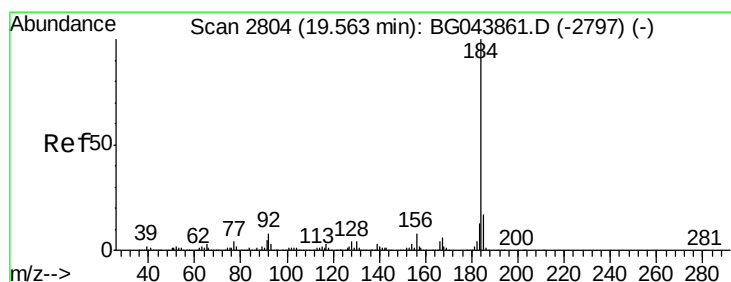
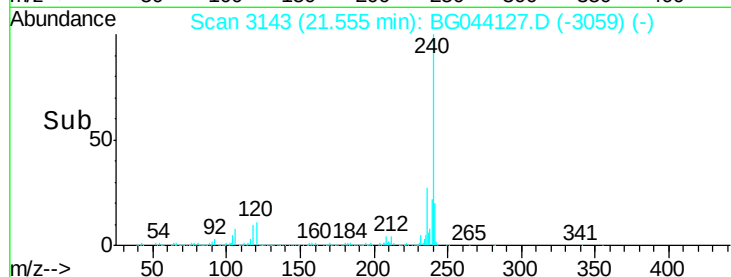
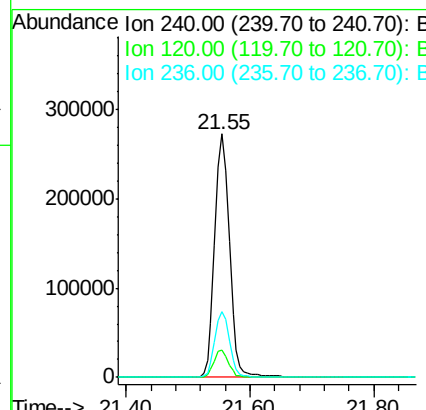
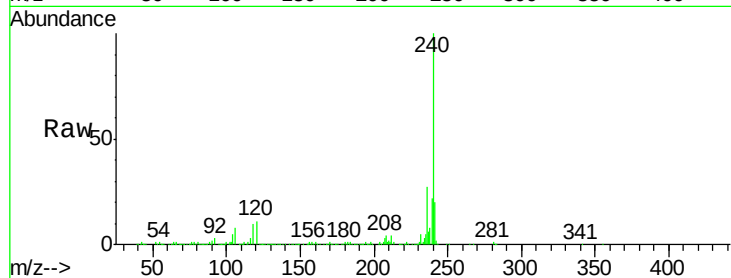




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.03 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

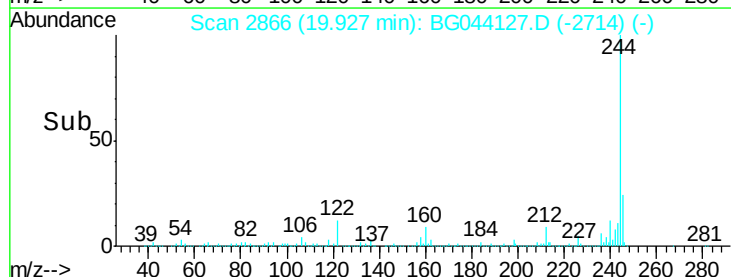
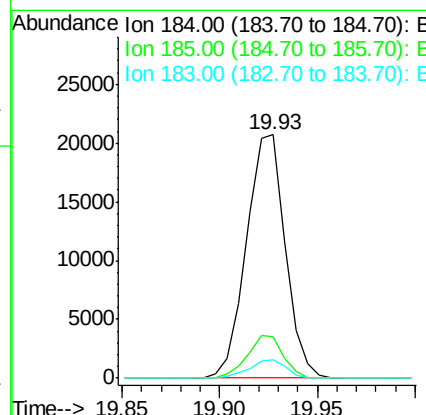
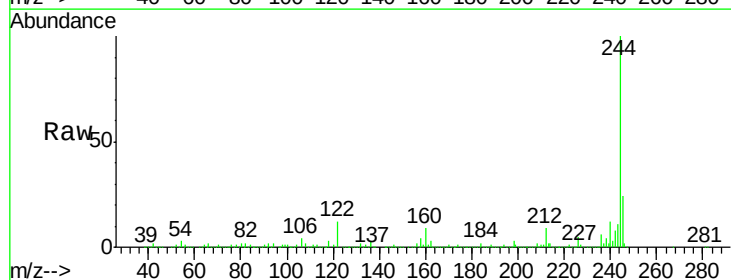
Instrument :
BNA_G
ClientSampleId :
EP-14

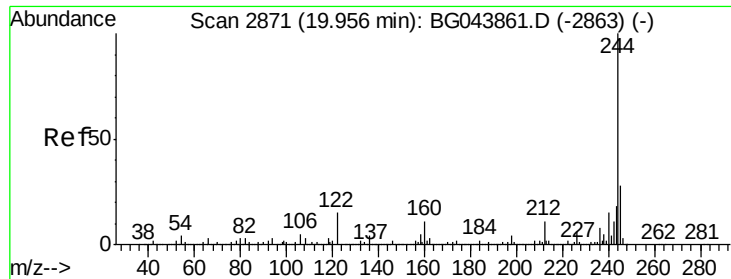
Tgt Ion:240 Resp: 453234
Ion Ratio Lower Upper
240 100
120 11.4 9.6 14.4
236 27.1 22.2 33.2



#77
Benzidine
Concen: 2.50 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044127.D
Acq: 21 Jan 2020 10:50

Tgt Ion:184 Resp: 28498
Ion Ratio Lower Upper
184 100
185 17.2 13.4 20.0
183 7.7 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.63 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044127.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_G

ClientSampleId :

EP-14

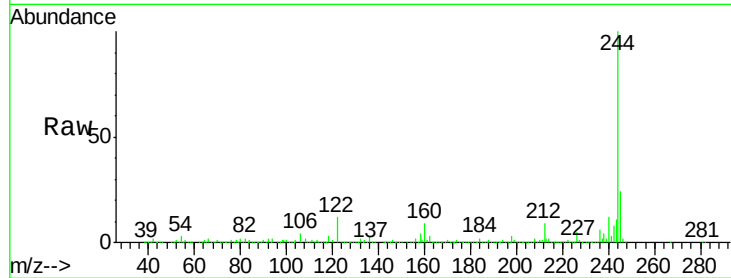
Tgt Ion:244 Resp: 1661101

Ion Ratio Lower Upper

244 100

212 9.0 8.6 13.0

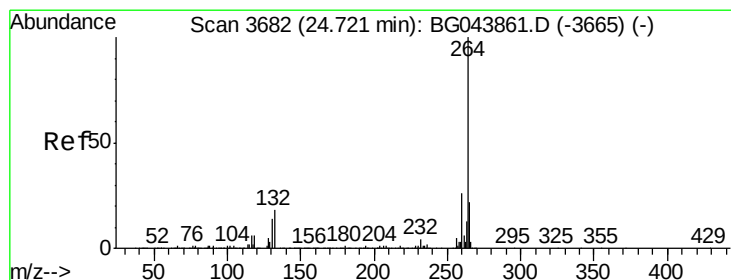
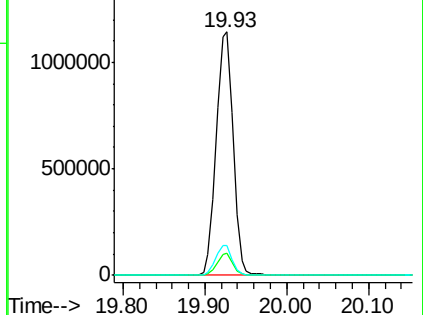
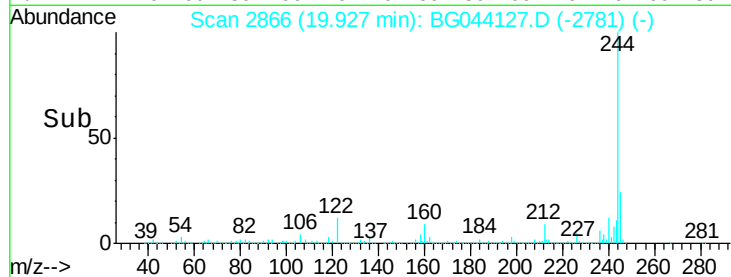
122 12.1 11.9 17.9



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: BG044127.D

Acq: 21 Jan 2020 10:50

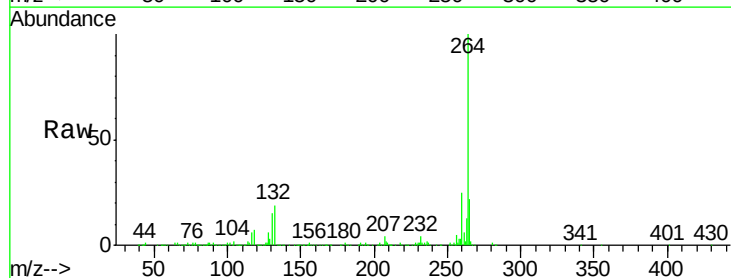
Tgt Ion:264 Resp: 493620

Ion Ratio Lower Upper

264 100

260 24.9 20.4 30.6

265 22.4 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

