

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032127.D
 Acq On : 18 Jan 2018 7:46
 Operator : SJ/JU
 Sample : J1167-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-2

Quant Time: Jan 18 10:05:45 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	52131	20.00	ng	-0.03
21) Naphthalene-d8	11.63	136	202809	20.00	ng	-0.03
38) Acenaphthene-d10	15.38	164	137561	20.00	ng	-0.02
63) Phenanthrene-d10	18.11	188	372245	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	468531	20.00	ng	-0.03
86) Perylene-d12	26.16	264	503383	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.17	112	393496	138.05	ng	-0.02
7) Phenol-d6	7.85	99	436014	121.46	ng	-0.02
23) Nitrobenzene-d5	9.94	82	330538	110.26	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	374915	164.70	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	1108958	99.96	ng	-0.03
78) Terphenyl-d14	20.65	244	2157542	101.68	ng	-0.02

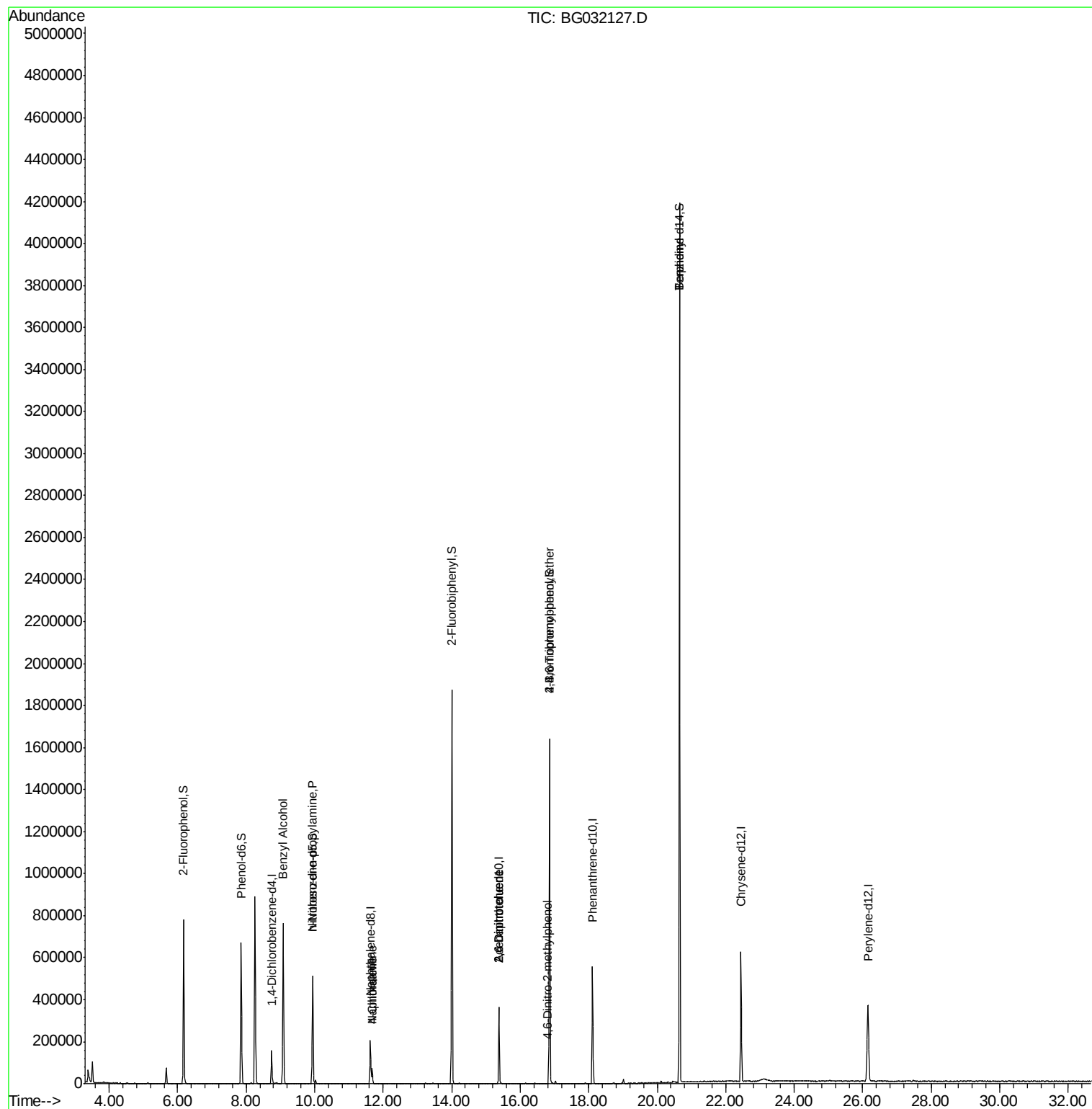
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.08	79	5545	2.126	ng	# 32
19) n-Nitroso-di-n-propylamine	9.94	70	46185	20.735	ng	# 76
31) Naphthalene	11.67	128	70503	7.018	ng	# 99
33) 4-Chloroaniline	11.68	127	9950	2.310	ng	# 39
50) 2,6-Dinitrotoluene	15.38	165	17406	6.966	ng	# 20
56) 2,4-Dinitrotoluene	15.38	165	17406	5.174	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.79	198	67	4.910	ng	# 29
66) 4-Bromophenyl-phenylether	16.86	248	31781	6.001	ng	# 1
76) Benzidine	20.65	184	31854	2.719	ng	# 92

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

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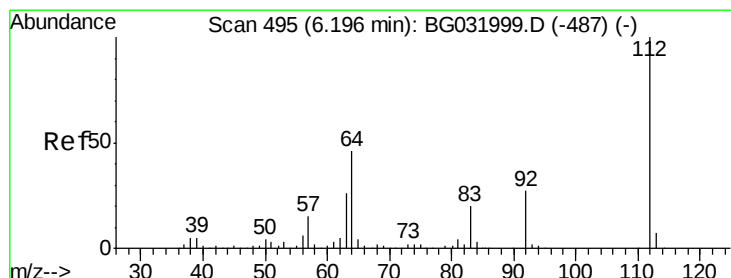
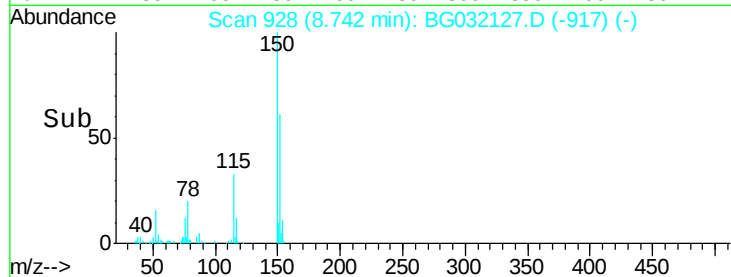
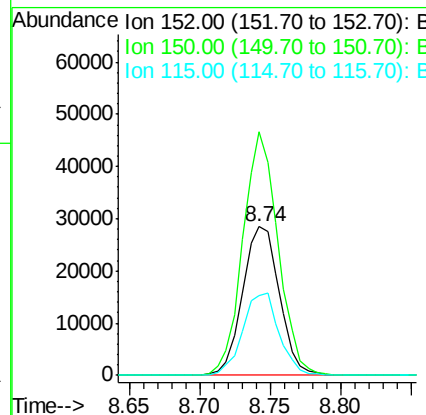
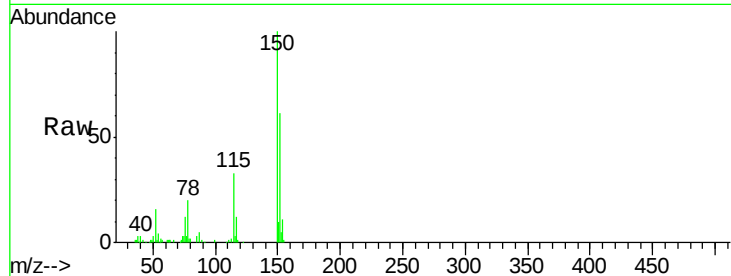


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Instrument :
BNA_G
ClientSampleId :
DRUM-1-2

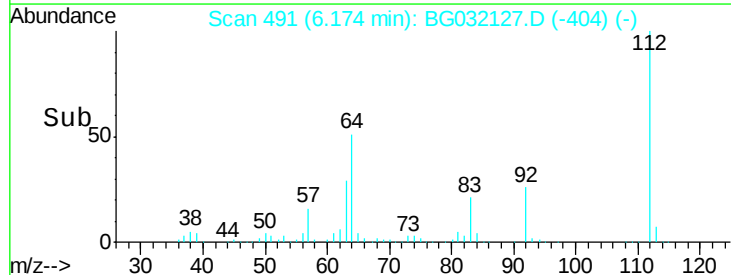
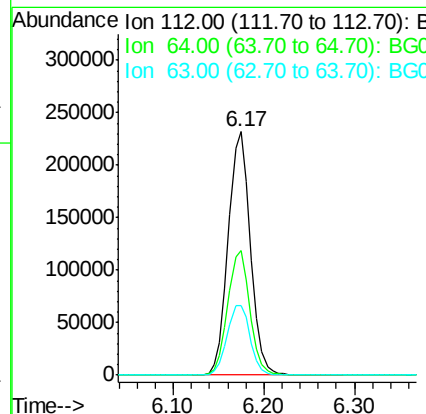
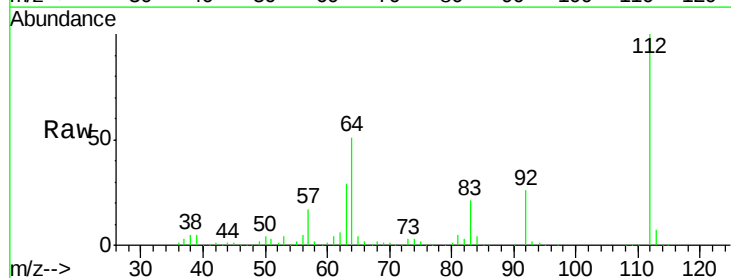
Tgt Ion:152 Resp: 52131
Ion Ratio Lower Upper
152 100
150 163.8 126.6 189.8
115 53.6 53.0 79.4

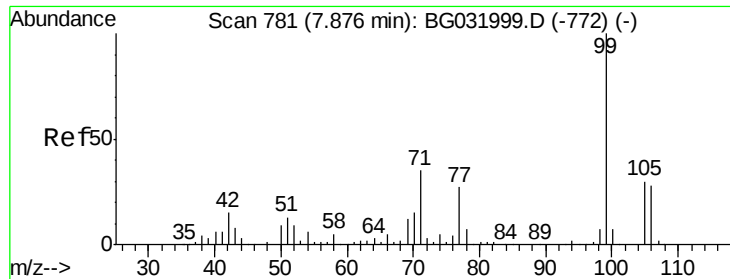


#5

2-Fluorophenol
Concen: 138.052 ng
RT: 6.17 min Scan# 491
Delta R.T. -0.02 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Tgt Ion:112 Resp: 393496
Ion Ratio Lower Upper
112 100
64 51.3 56.3 84.5#
63 28.6 30.1 45.1#





#7

Phenol-d6

Concen: 121.458 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG032127.D

Acq: 18 Jan 2018 7:46

Instrument :

BNA_G

ClientSampleId :

DRUM-1-2

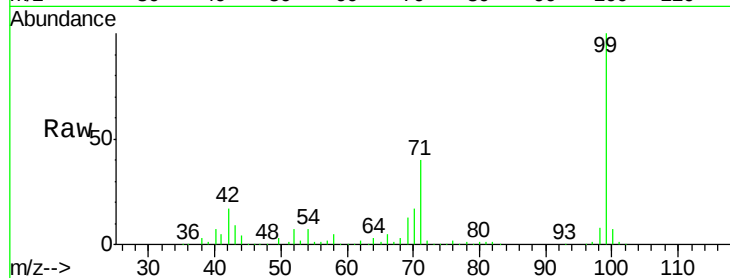
Tgt Ion: 99 Resp: 436014

Ion Ratio Lower Upper

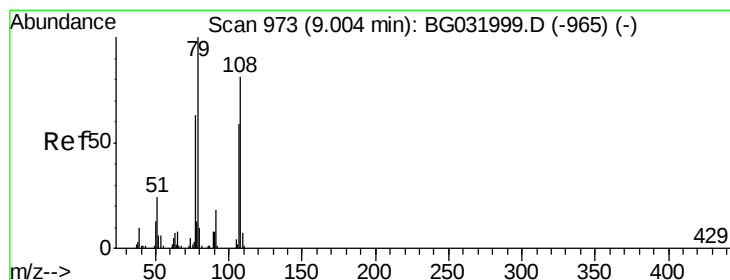
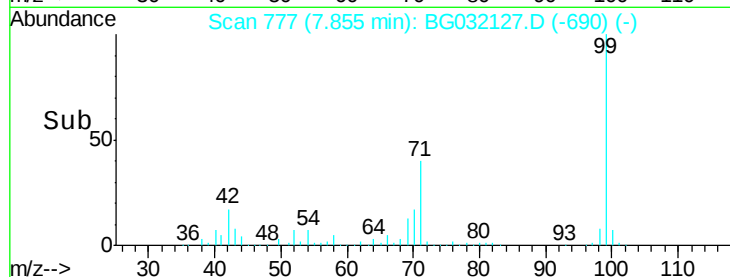
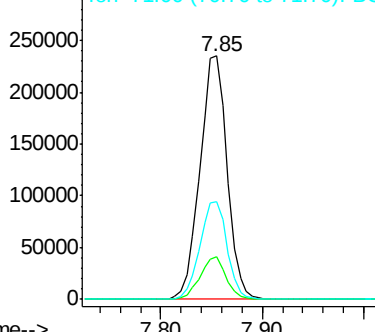
99 100

42 17.3 14.1 21.1

71 40.0 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.126 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.08 min

Lab File: BG032127.D

Acq: 18 Jan 2018 7:46

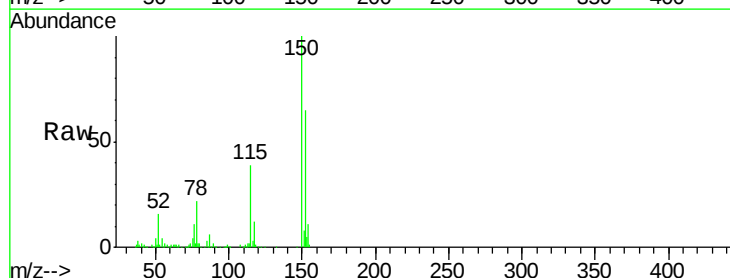
Tgt Ion: 79 Resp: 5545

Ion Ratio Lower Upper

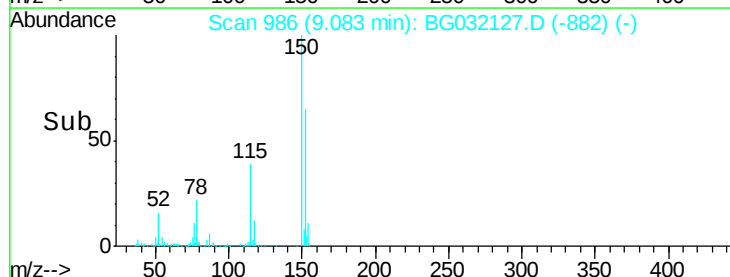
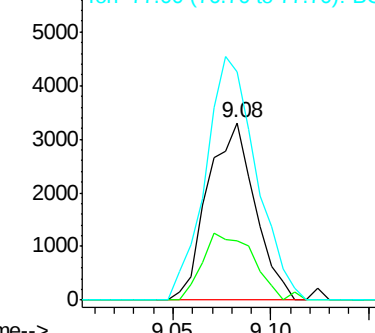
79 100

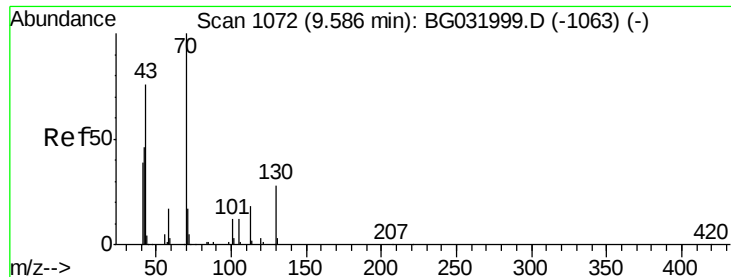
108 33.5 57.2 85.8#

77 128.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

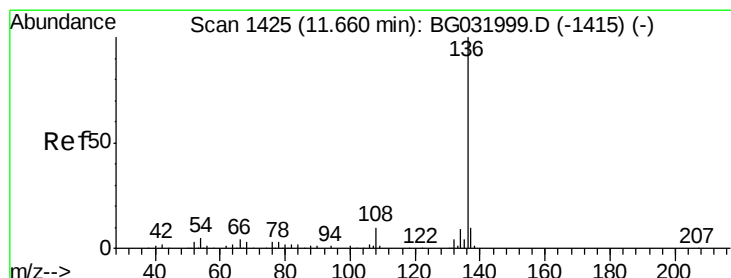
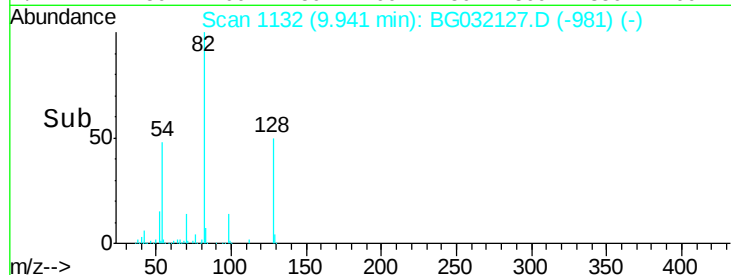
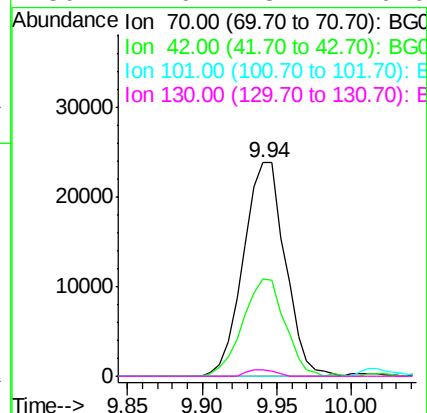
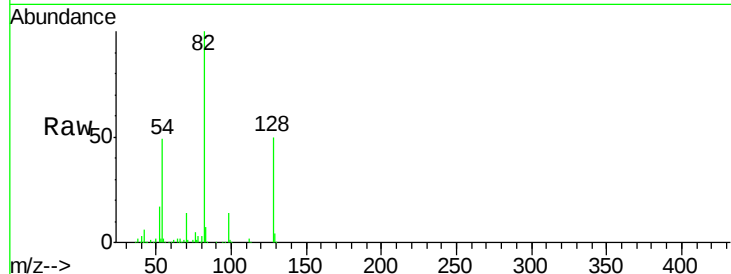




#19
n-Nitroso-di-n-propylamine
Concen: 20.735 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.35 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

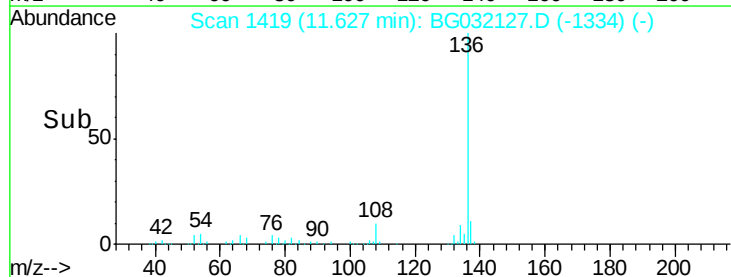
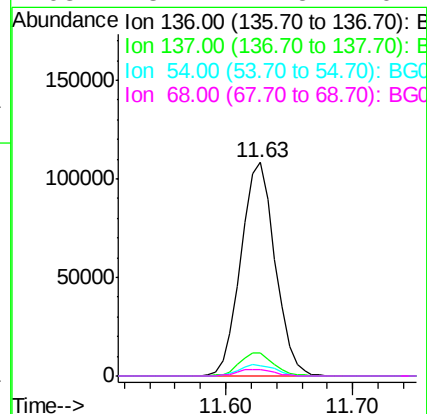
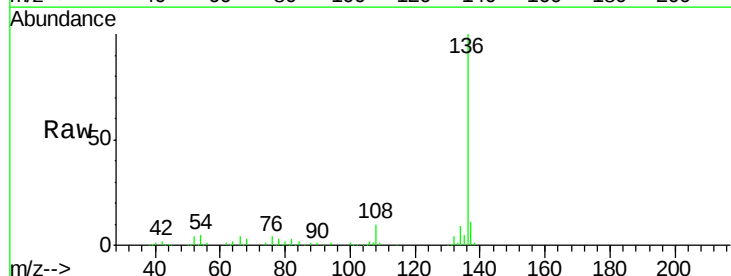
Instrument :
BNA_G
ClientSampleId :
DRUM-1-2

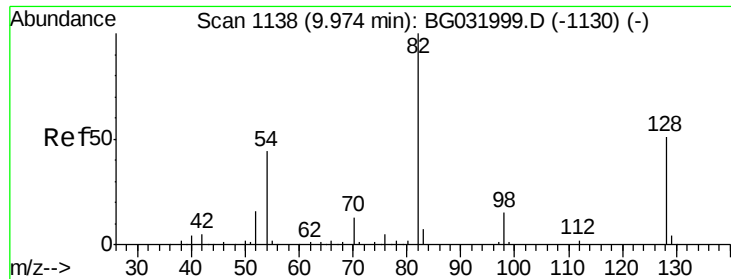
Tgt Ion: 70 Resp: 46185
Ion Ratio Lower Upper
70 100
42 45.7 49.1 73.7#
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.03 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Tgt Ion: 136 Resp: 202809
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 4.8 10.3 15.5#
68 3.2 4.5 6.7#

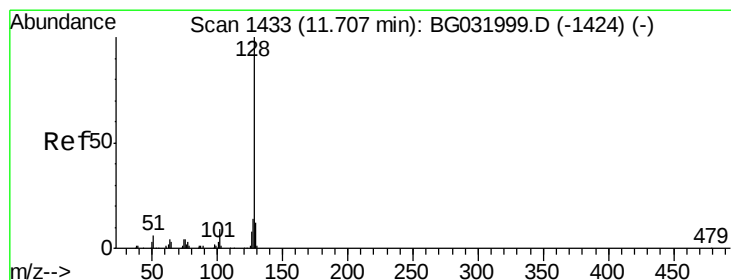
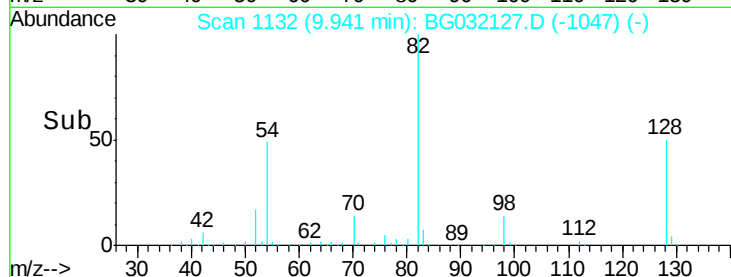
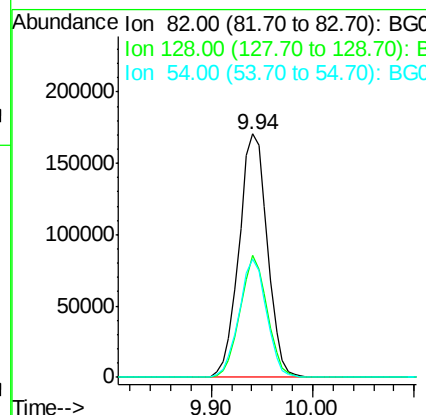
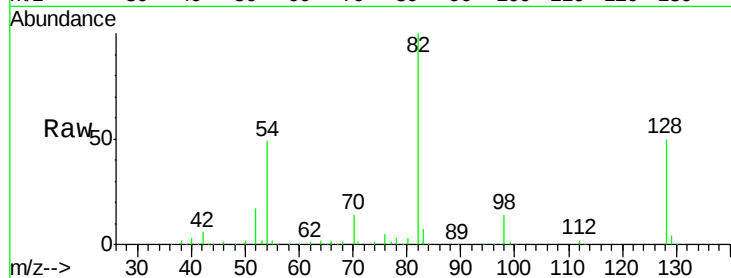




#23
Nitrobenzene-d5
Concen: 110.263 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.03 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

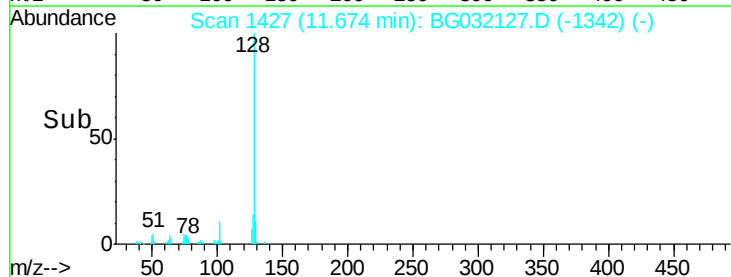
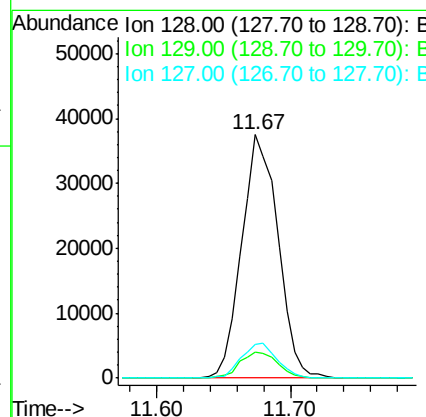
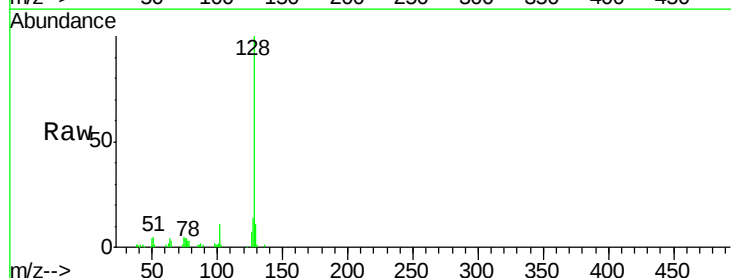
Instrument :
BNA_G
ClientSampleId :
DRUM-1-2

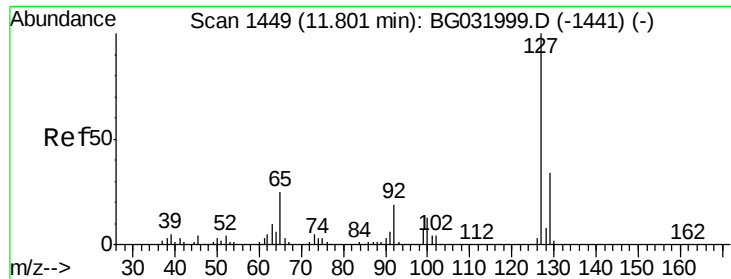
Tgt Ion: 82 Resp: 330538
Ion Ratio Lower Upper
82 100
128 50.3 29.7 44.5#
54 48.8 43.1 64.7



#31
Naphthalene
Concen: 7.018 ng
RT: 11.67 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Tgt Ion: 128 Resp: 70503
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.8 11.6 17.4

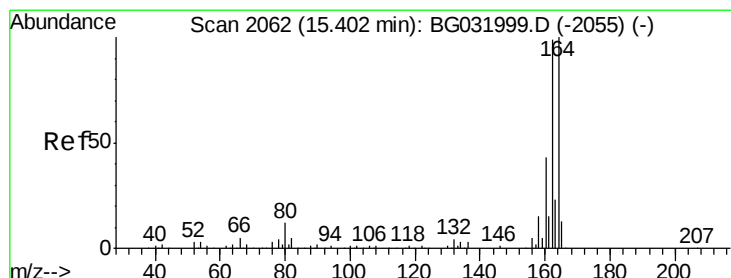
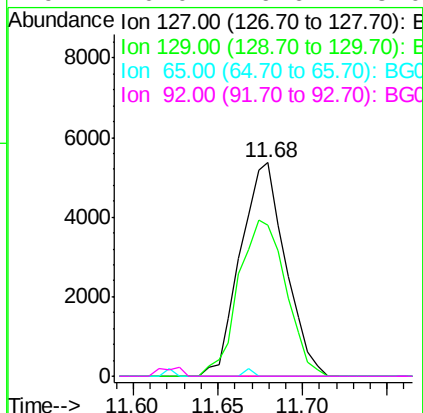
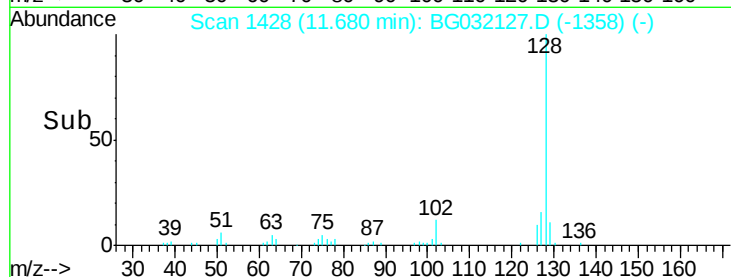
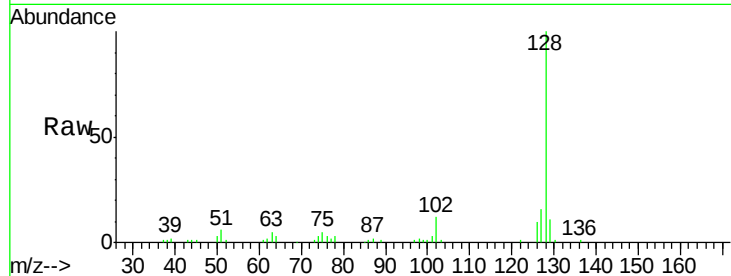




#33
4-Chloroaniline
Concen: 2.310 ng
RT: 11.68 min Scan# 1428
Delta R.T. -0.12 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

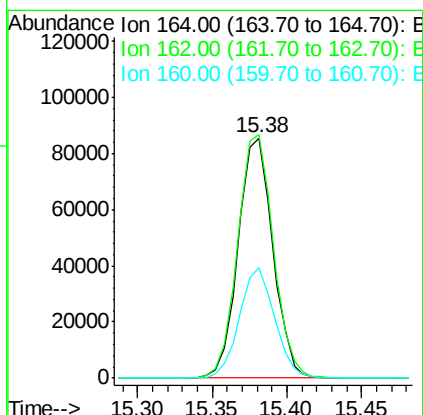
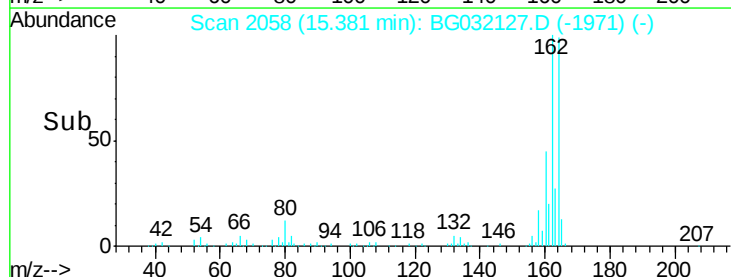
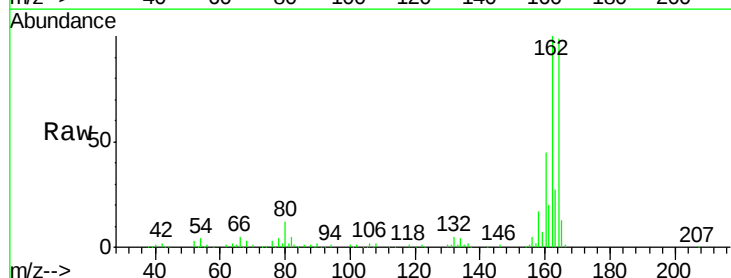
Instrument :
BNA_G
ClientSampleId :
DRUM-1-2

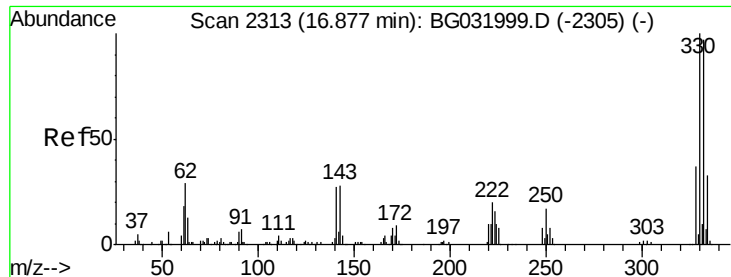
Tgt Ion:	127	Resp:	9950
Ion	Ratio	Lower	Upper
127	100		
129	70.7	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Tgt Ion:	164	Resp:	137561
Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.8	118.2
160	46.0	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 164.703 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032127.D

Acq: 18 Jan 2018 7:46

Instrument :

BNA_G

ClientSampleId :

DRUM-1-2

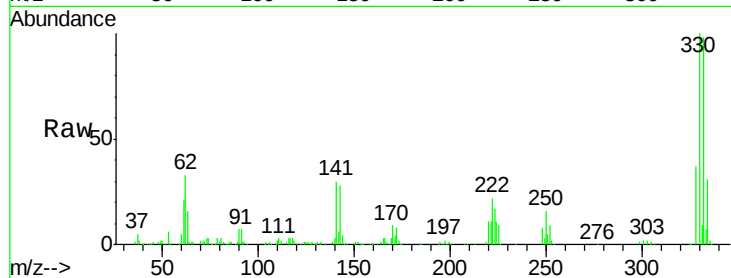
Tgt Ion:330 Resp: 374915

Ion Ratio Lower Upper

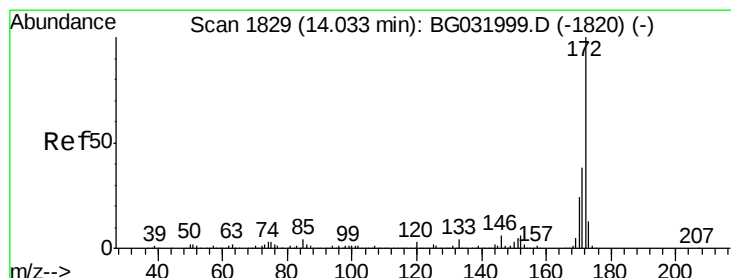
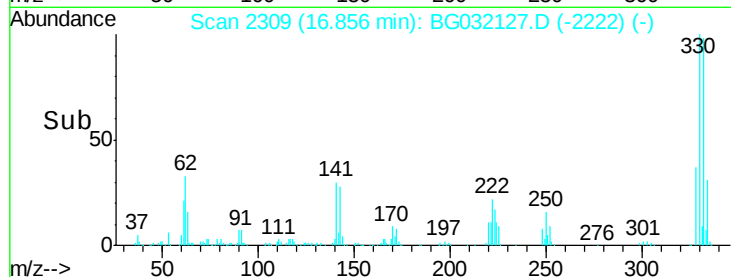
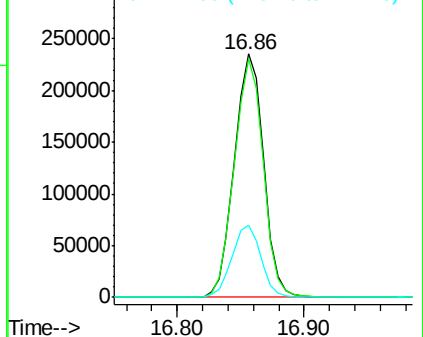
330 100

332 96.8 77.0 115.6

141 29.5 25.2 37.8



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



#44

2-Fluorobiphenyl

Concen: 99.960 ng

RT: 14.01 min Scan# 1824

Delta R.T. -0.03 min

Lab File: BG032127.D

Acq: 18 Jan 2018 7:46

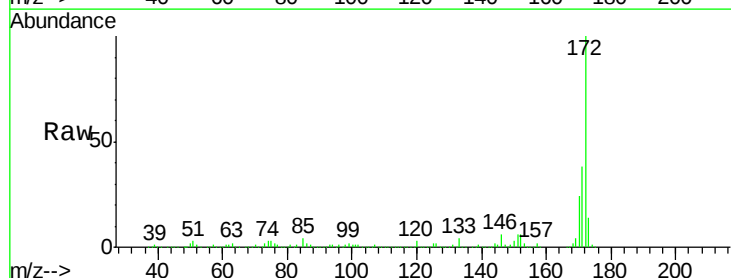
Tgt Ion:172 Resp: 1108958

Ion Ratio Lower Upper

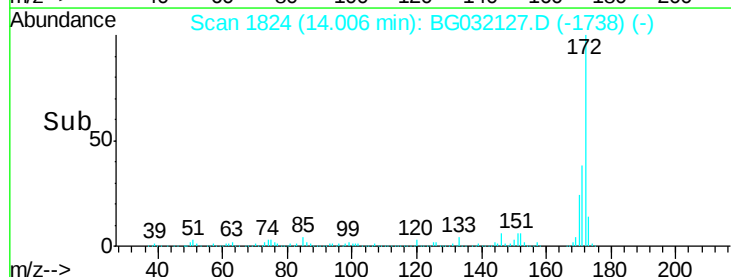
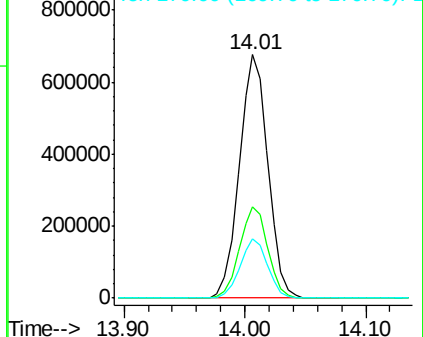
172 100

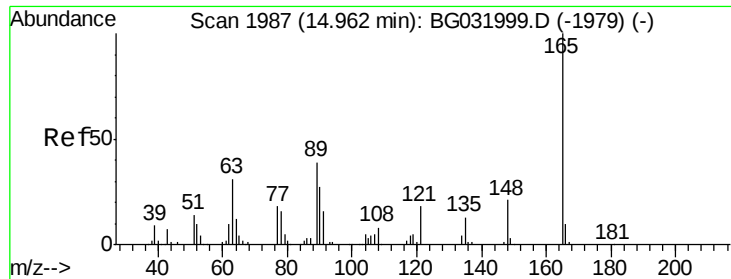
171 37.5 30.0 45.0

170 24.1 19.5 29.3



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

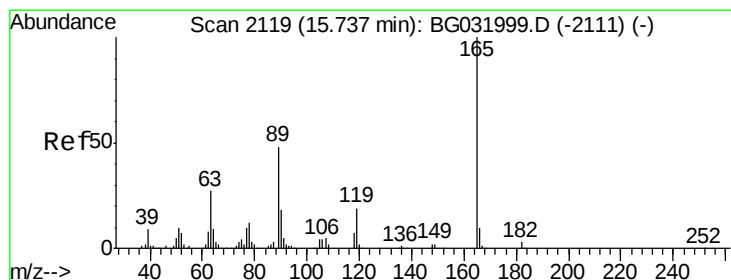
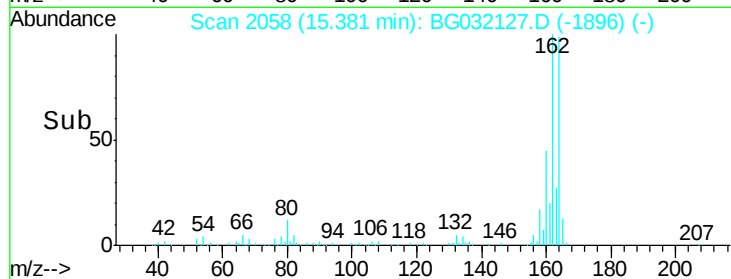
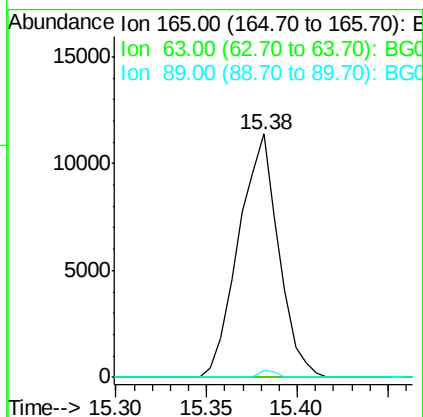
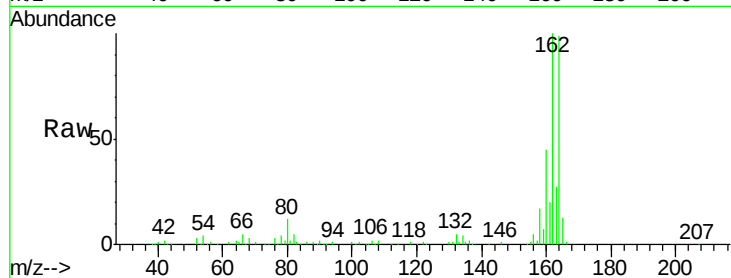




#50
 2,6-Dinitrotoluene
 Concen: 6.966 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. 0.42 min
 Lab File: BG032127.D
 Acq: 18 Jan 2018 7:46

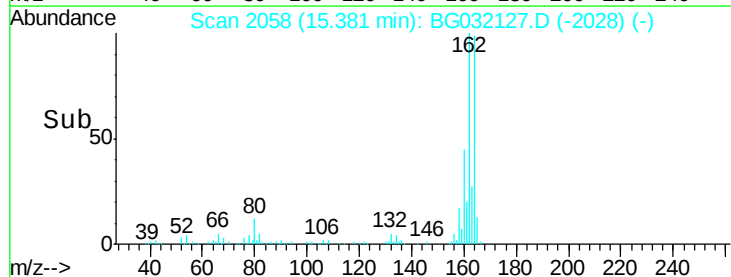
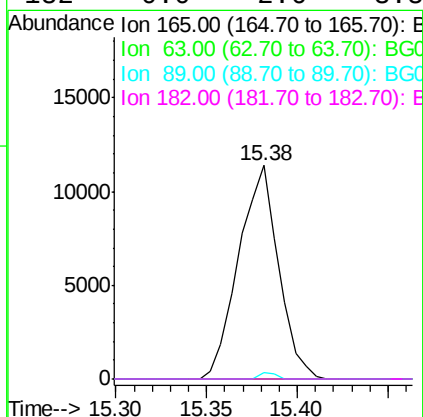
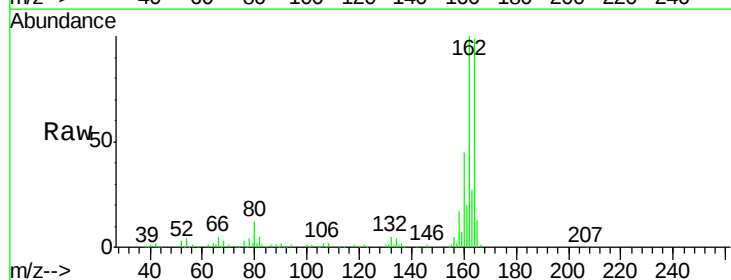
Instrument :
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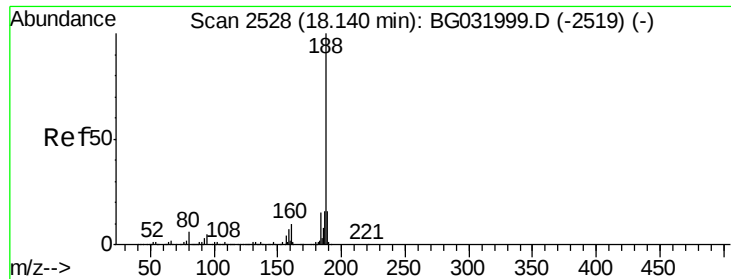
Tgt Ion:165 Resp: 17406
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 2.9 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.174 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.36 min
 Lab File: BG032127.D
 Acq: 18 Jan 2018 7:46

Tgt Ion:165 Resp: 17406
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.9 66.9 100.3#
 182 0.0 2.6 3.8#

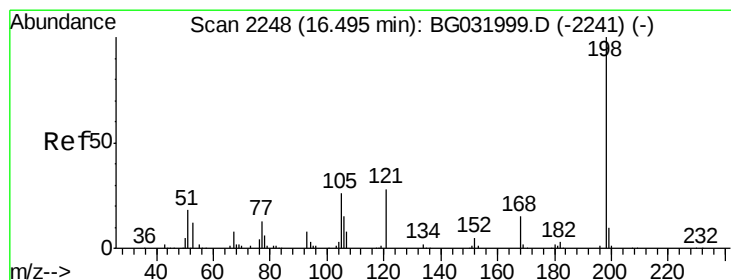
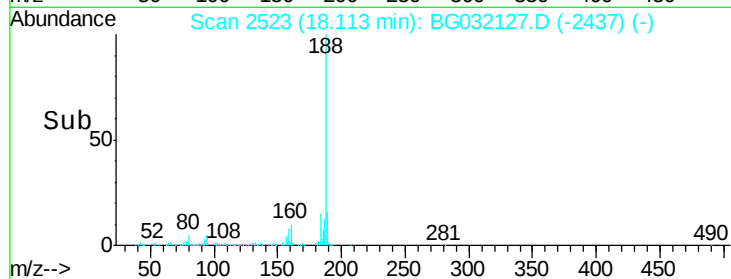
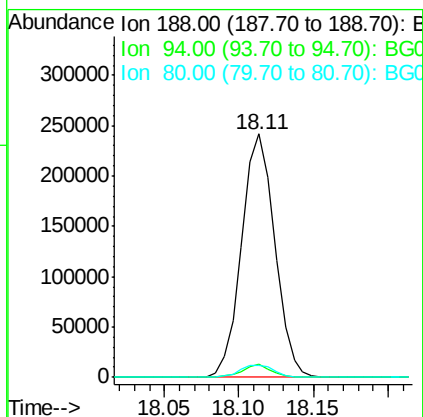
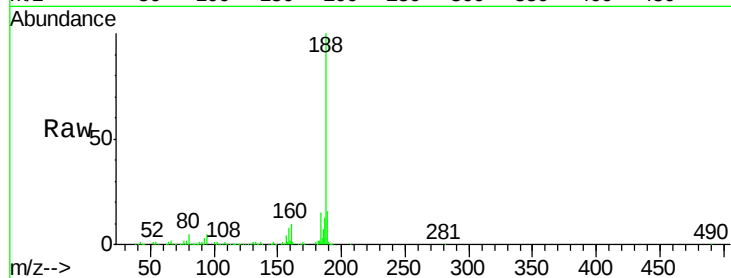




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.03 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

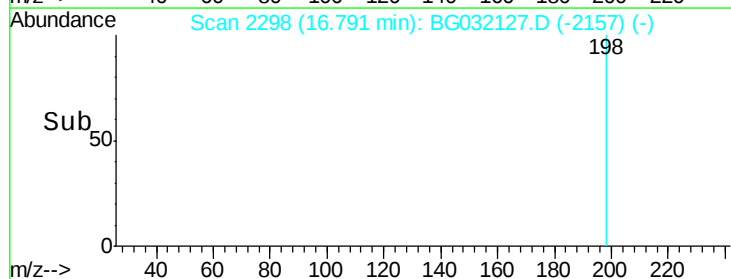
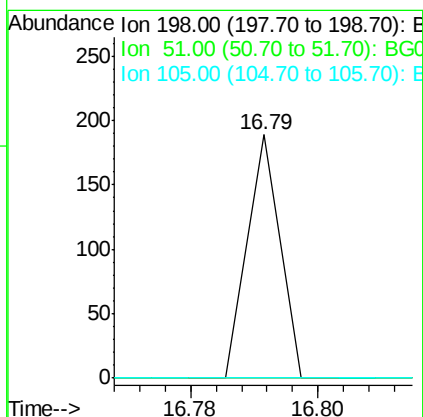
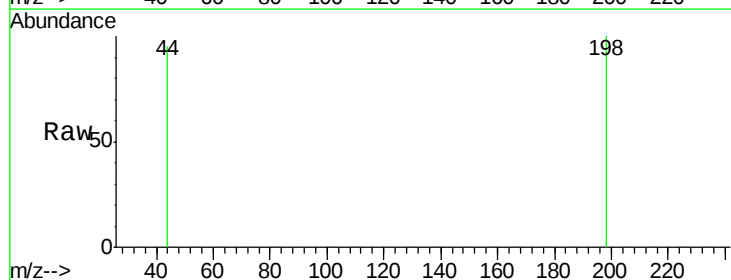
Instrument :
BNA_G
ClientSampleId :
DRUM-1-2

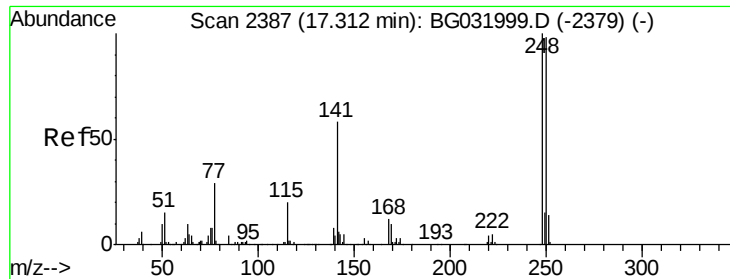
Tgt Ion:188 Resp: 372245
Ion Ratio Lower Upper
188 100
94 5.2 6.9 10.3#
80 5.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 4.910 ng
RT: 16.79 min Scan# 2298
Delta R.T. 0.30 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Tgt Ion:198 Resp: 67
Ion Ratio Lower Upper
198 100
51 0.0 30.6 70.6#
105 0.0 23.8 63.8#

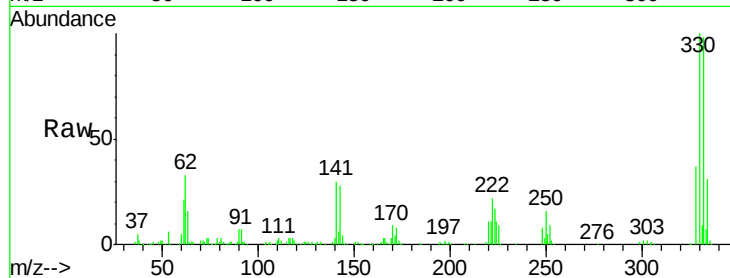




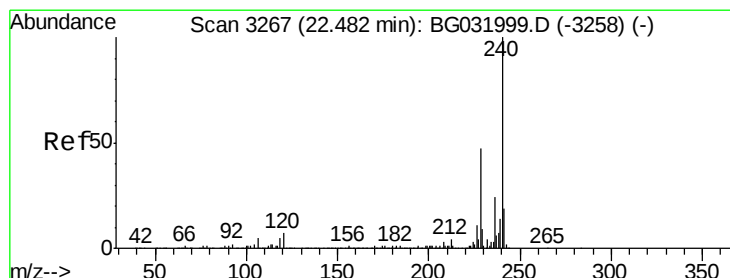
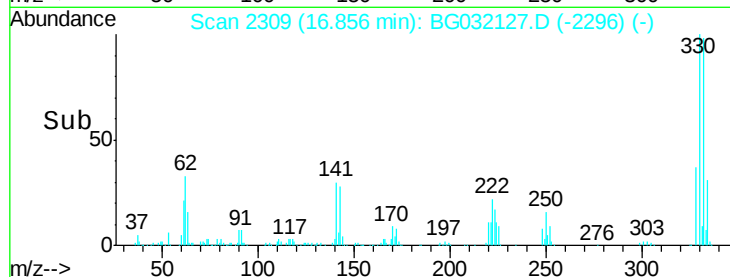
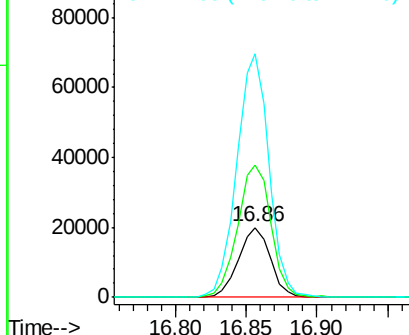
#66
 4-Bromophenyl-phenylether
 Concen: 6.001 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.46 min
 Lab File: BG032127.D
 Acq: 18 Jan 2018 7:46

Instrument :
 BNA_G
 ClientSampleId :
 DRUM-1-2

Tgt Ion:248 Resp: 31781
 Ion Ratio Lower Upper
 248 100
 250 189.5 77.1 115.7#
 141 348.8 50.8 76.2#

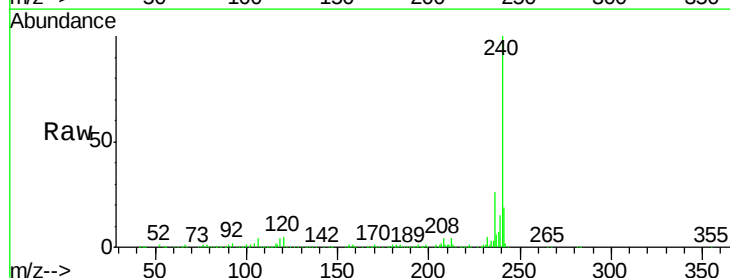


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

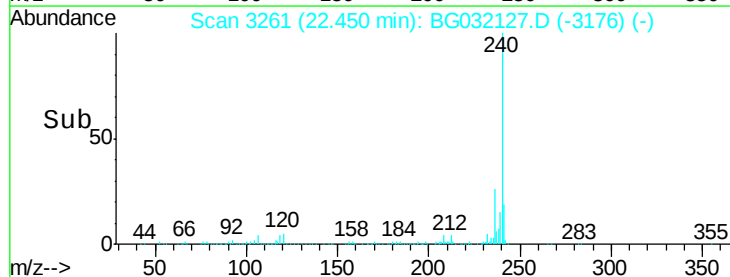
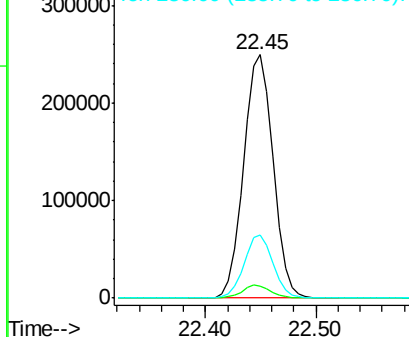


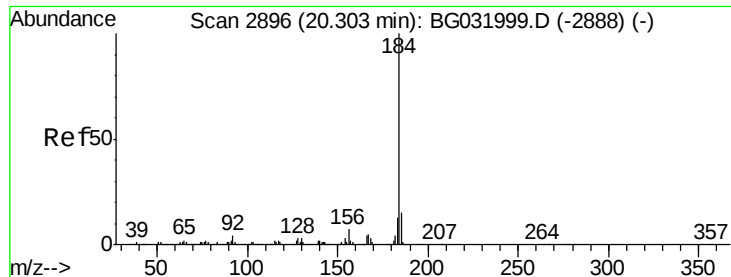
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.45 min Scan# 3261
 Delta R.T. -0.03 min
 Lab File: BG032127.D
 Acq: 18 Jan 2018 7:46

Tgt Ion:240 Resp: 468531
 Ion Ratio Lower Upper
 240 100
 120 4.7 6.8 10.2#
 236 25.8 20.9 31.3



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





#76

Benzidine

Concen: 2.719 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.35 min

Lab File: BG032127.D

Acq: 18 Jan 2018 7:46

Instrument :

BNA_G

ClientSampleId :

DRUM-1-2

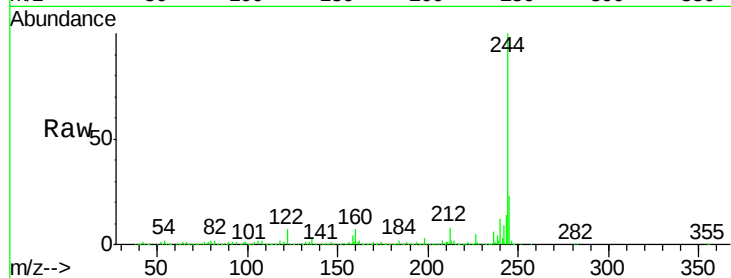
Tgt Ion:184 Resp: 31854

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

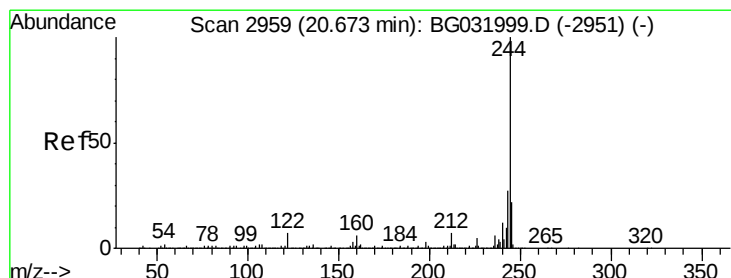
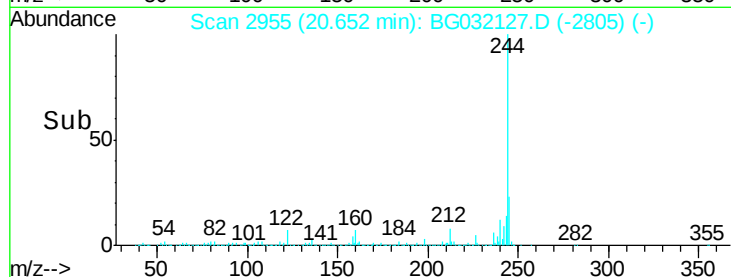
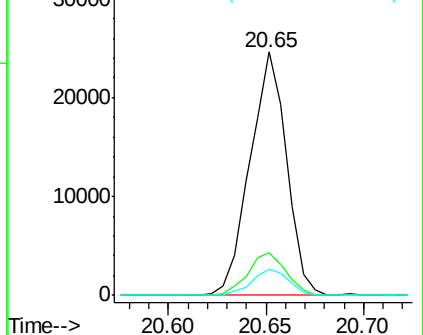
183 10.8 10.6 16.0



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



#78

Terphenyl-d14

Concen: 101.678 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032127.D

Acq: 18 Jan 2018 7:46

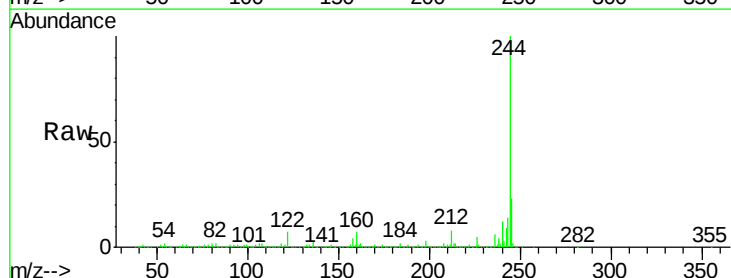
Tgt Ion:244 Resp: 2157542

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

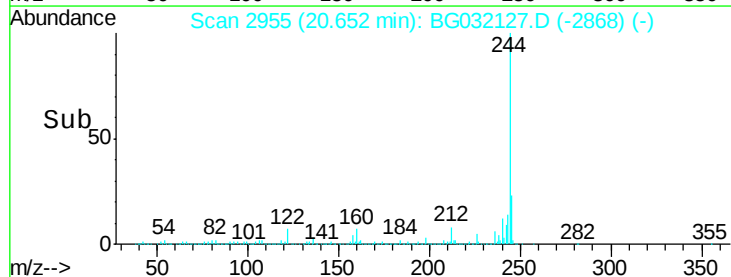
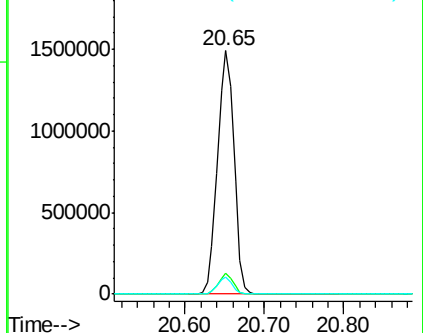
122 7.1 7.0 10.4

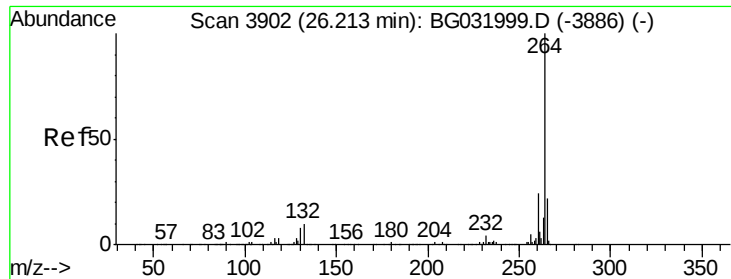


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

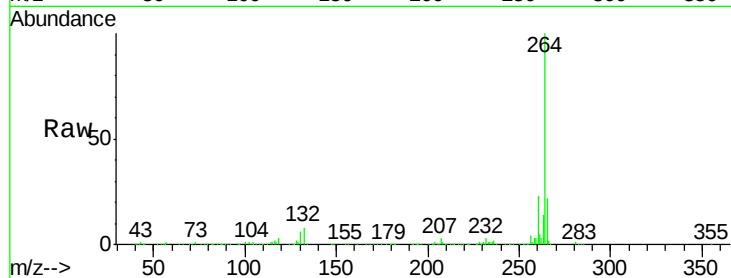




#86
Perylene-d12
Concen: 20.000 ng
RT: 26.16 min Scan# 3892
Delta R.T. -0.06 min
Lab File: BG032127.D
Acq: 18 Jan 2018 7:46

Instrument :
BNA_G
ClientSampleId :
DRUM-1-2

Tgt Ion:264 Resp: 503383
Ion Ratio Lower Upper
264 100
260 22.6 17.4 26.0
265 21.7 17.7 26.5



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

