

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081719\
 Data File : BG042293.D
 Acq On : 17 Aug 2019 16:44
 Operator : HP/JU
 Sample : K4371-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-222

Quant Time: Aug 19 05:58:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

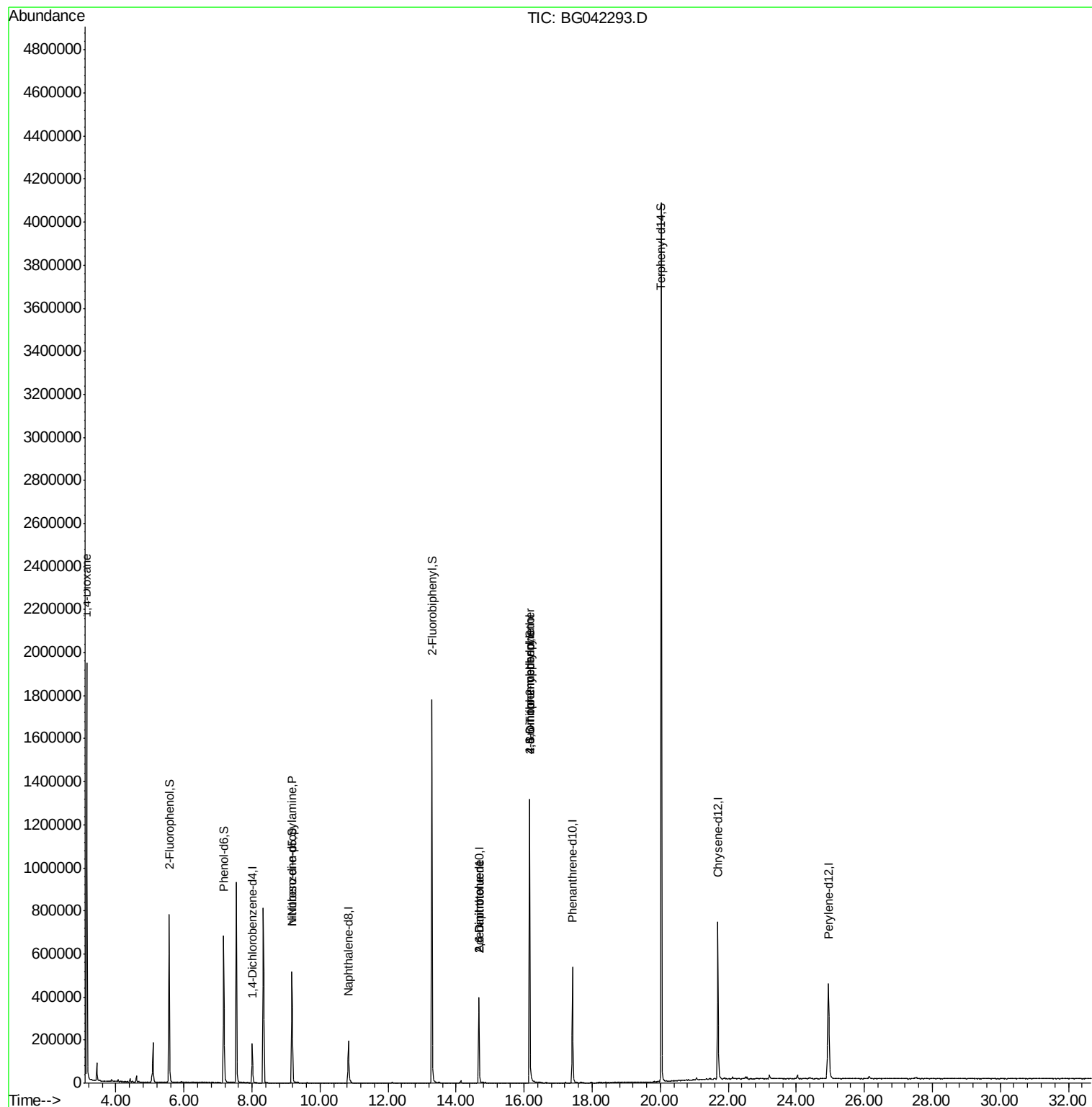
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	61474	20.00	ng	-0.04
21) Naphthalene-d8	10.83	136	226149	20.00	ng	-0.04
39) Acenaphthene-d10	14.67	164	164921	20.00	ng	-0.04
64) Phenanthrene-d10	17.42	188	399871	20.00	ng	-0.04
76) Chrysene-d12	21.69	240	480379	20.00	ng	-0.04
87) Perylene-d12	24.94	264	546756	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	402795	127.48	ng	-0.03
7) Phenol-d6	7.17	99	482681	113.31	ng	-0.02
23) Nitrobenzene-d5	9.17	82	343032	104.38	ng	-0.04
42) 2,4,6-Tribromophenol	16.16	330	337583	180.21	ng	-0.03
45) 2-Fluorobiphenyl	13.29	172	1038680	111.08	ng	-0.04
79) Terphenyl-d14	20.03	244	1977804	94.21	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	3.14	88	19320	12.991	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	43207	13.971	ng	# 64
51) 2,6-Dinitrotoluene	14.67	165	21776	9.246	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	21774	6.723	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.15	198	804	7.204	ng	# 36
67) 4-Bromophenyl-phenylether	16.16	248	23424	4.756	ng	# 1

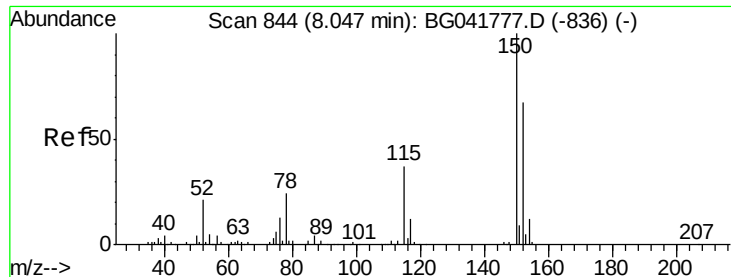
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.04 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-222

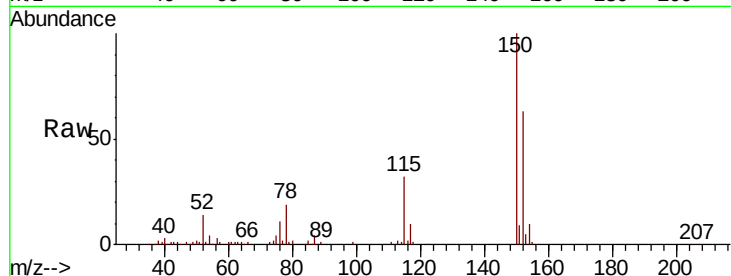
Tgt Ion:152 Resp: 61474

Ion Ratio Lower Upper

152 100

150 160.0 126.9 190.3

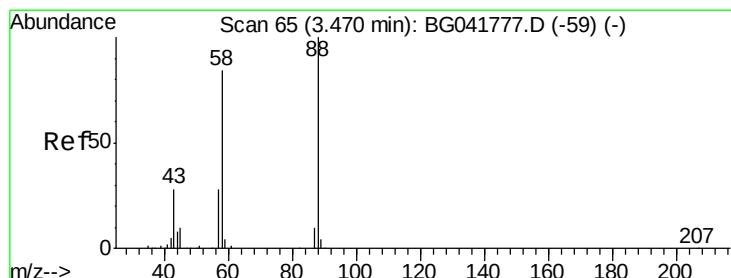
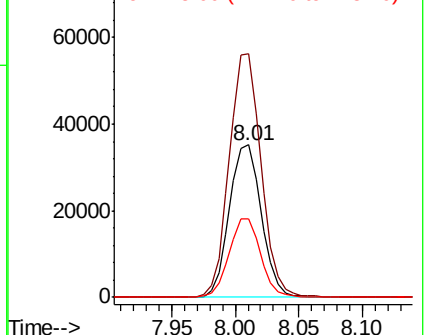
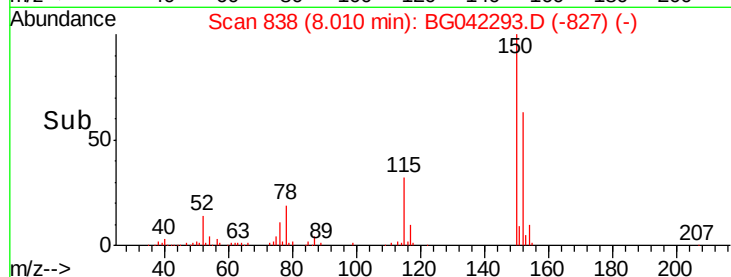
115 51.5 45.0 67.6



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



#2

1,4-Dioxane

Concen: 12.991 ng

RT: 3.14 min Scan# 9

Delta R.T. -0.33 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

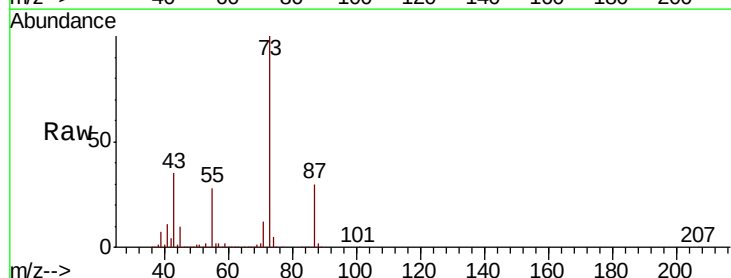
Tgt Ion: 88 Resp: 19320

Ion Ratio Lower Upper

88 100

58 25.6 76.2 114.2#

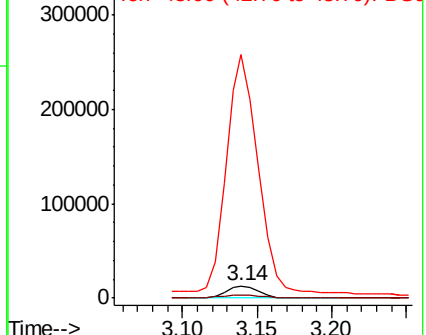
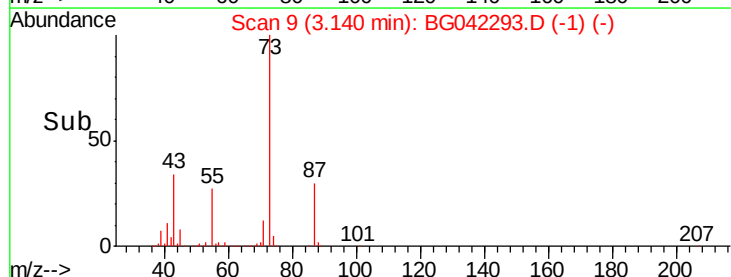
43 1979.6 27.2 40.8#

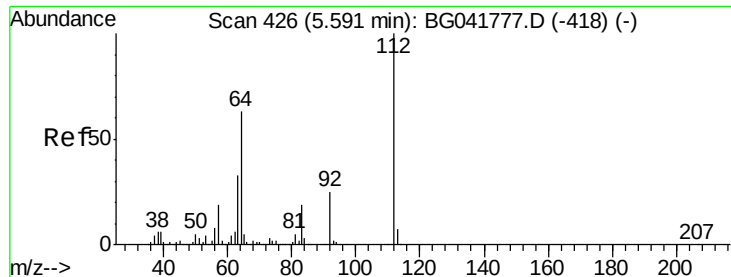


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 127.483 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-222

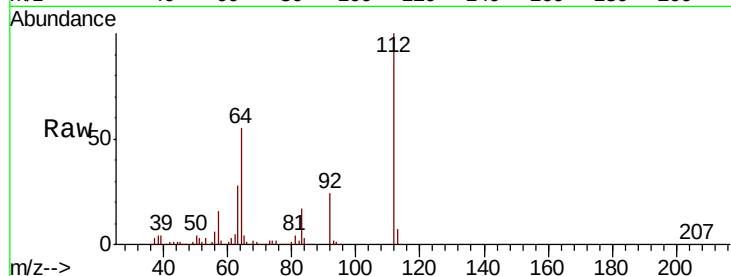
Tgt Ion: 112 Resp: 402795

Ion Ratio Lower Upper

112 100

64 55.0 55.4 83.2#

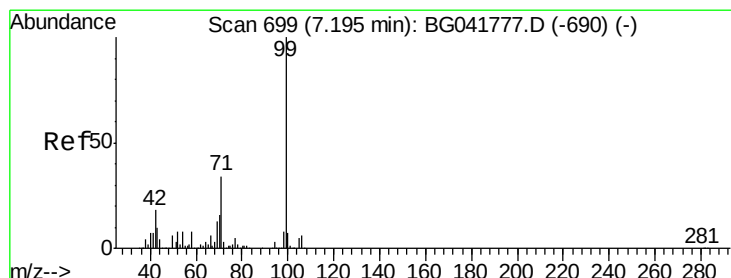
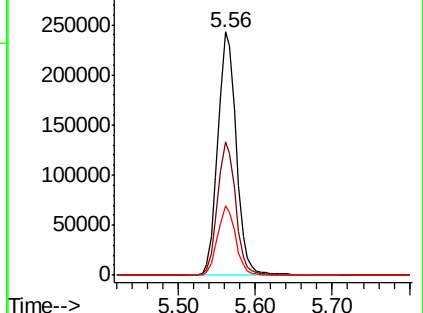
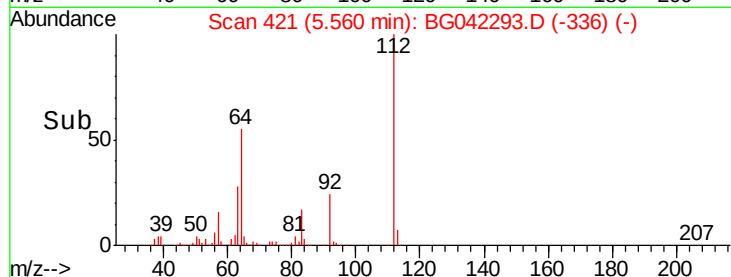
63 28.4 29.1 43.7#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 113.314 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

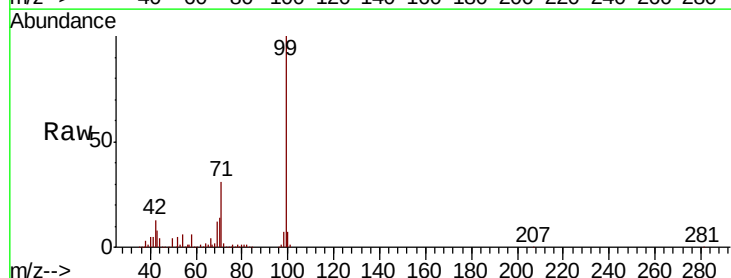
Tgt Ion: 99 Resp: 482681

Ion Ratio Lower Upper

99 100

42 13.2 17.6 26.4#

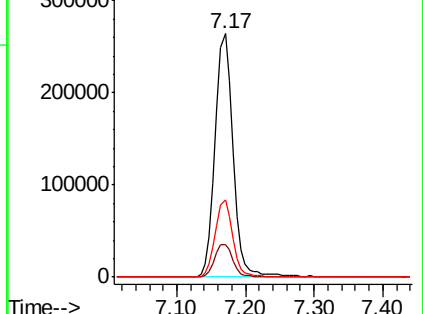
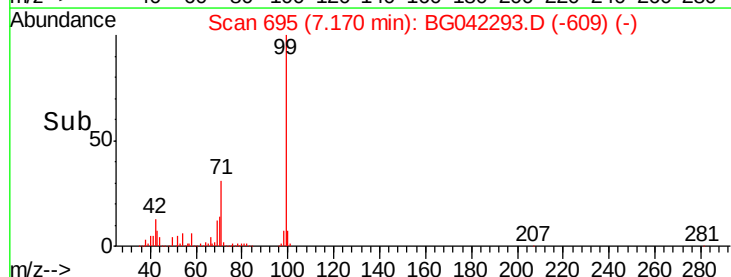
71 31.5 27.8 41.6

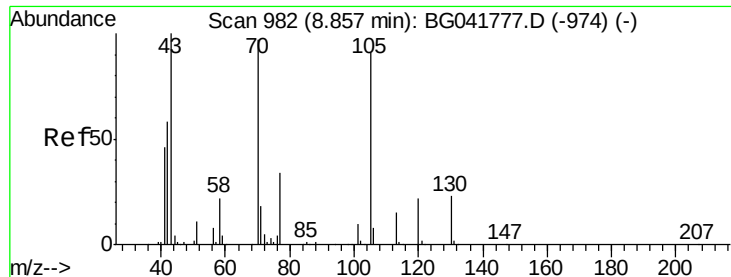


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

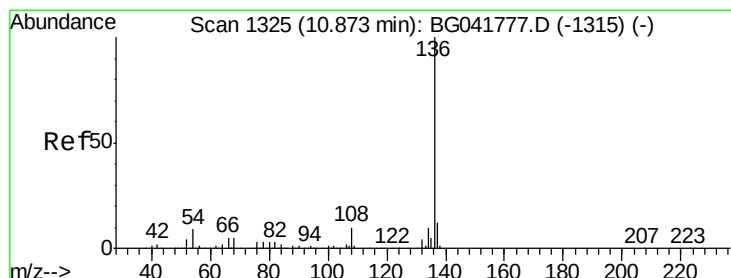
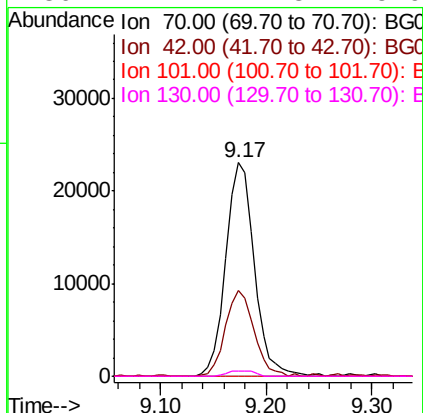
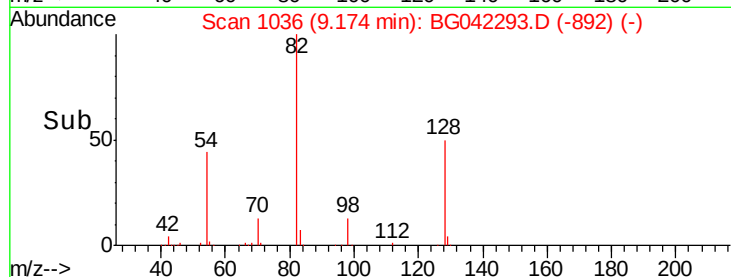
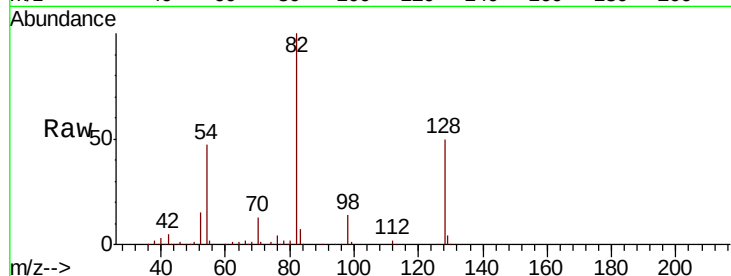




#19
n-Nitroso-di-n-propylamine
Concen: 13.971 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.32 min
Lab File: BG042293.D
Acq: 17 Aug 2019 16:44

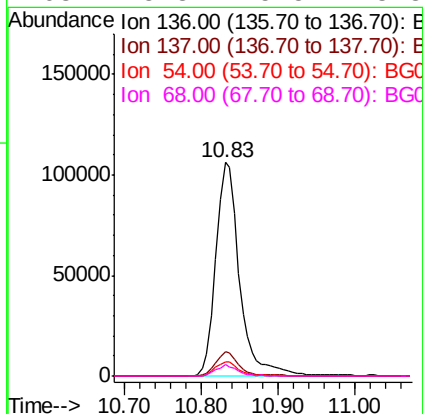
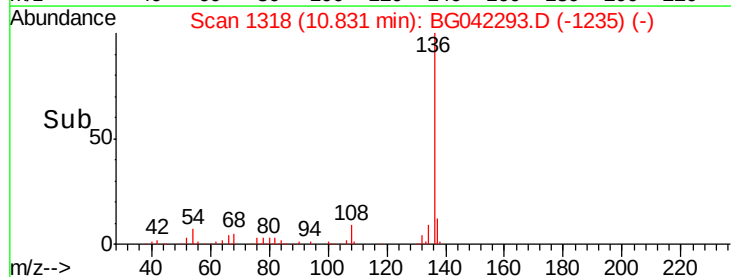
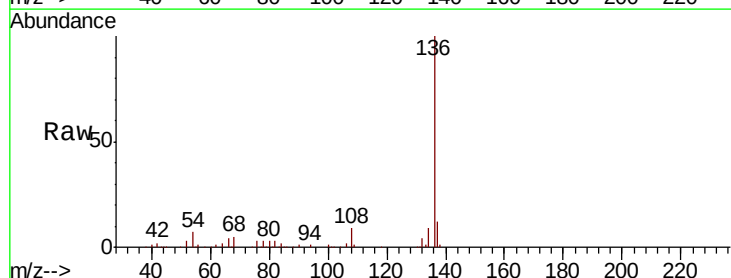
Instrument :
BNA_G
ClientSampleId :
VNJ-222

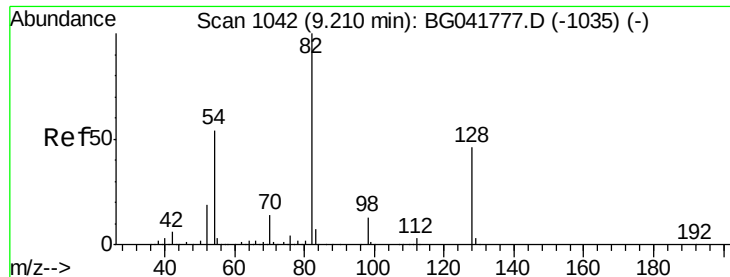
Tgt Ion: 70 Resp: 43207
Ion Ratio Lower Upper
70 100
42 40.5 55.8 83.6#
101 0.0 8.1 12.1#
130 2.7 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.04 min
Lab File: BG042293.D
Acq: 17 Aug 2019 16:44

Tgt Ion: 136 Resp: 226149
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 6.9 8.7 13.1#
68 5.3 5.5 8.3#

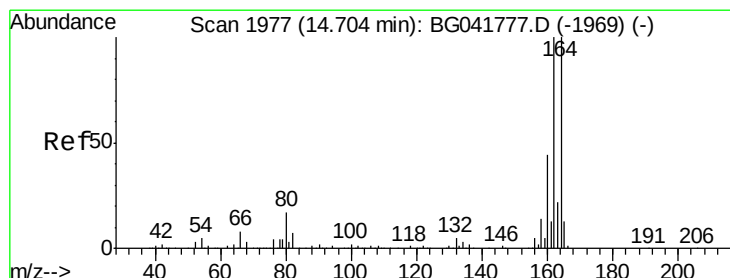
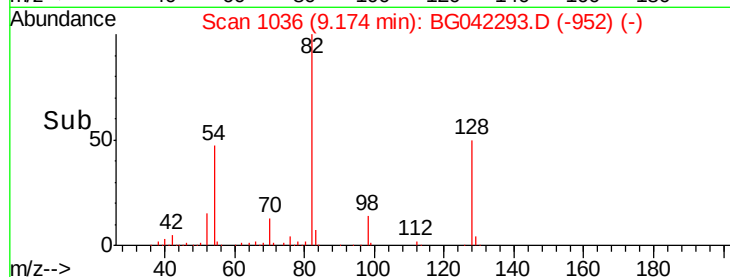
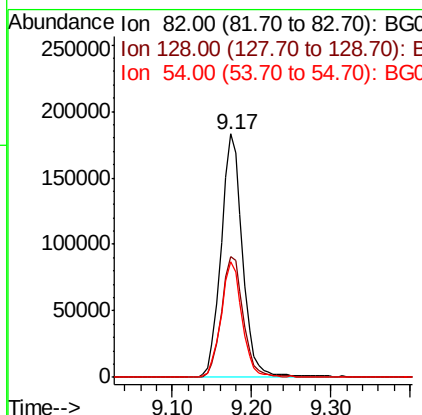
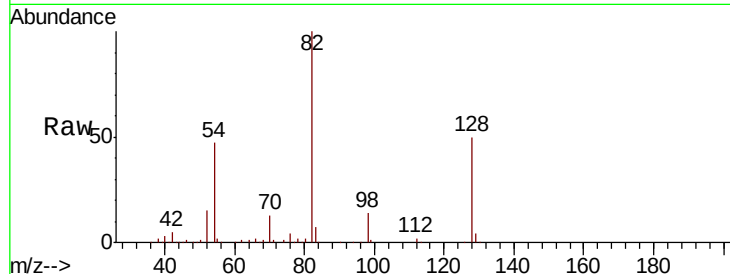




#23
Nitrobenzene-d5
Concen: 104.383 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.04 min
Lab File: BG042293.D
Acq: 17 Aug 2019 16:44

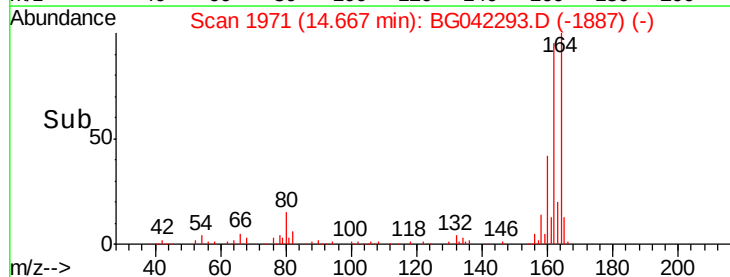
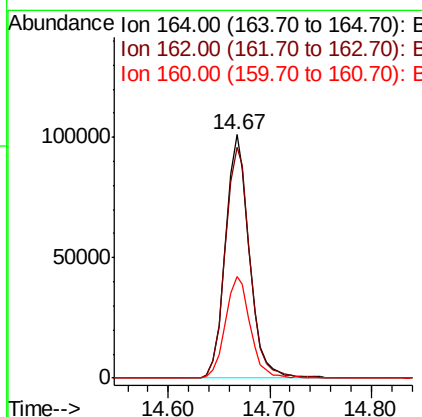
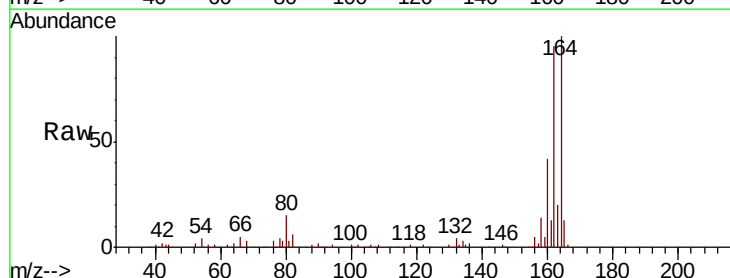
Instrument :
BNA_G
ClientSampled :
VNJ-222

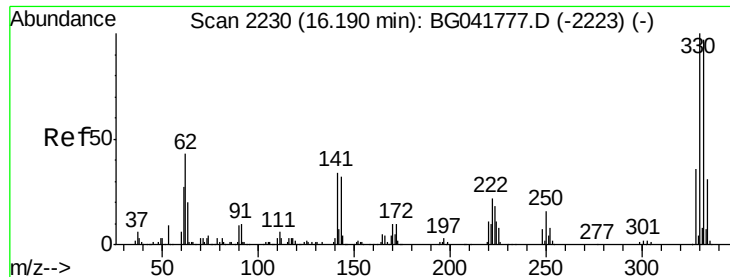
Tgt Ion: 82 Resp: 343032
Ion Ratio Lower Upper
82 100
128 49.8 35.1 52.7
54 47.5 48.7 73.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.04 min
Lab File: BG042293.D
Acq: 17 Aug 2019 16:44

Tgt Ion: 164 Resp: 164921
Ion Ratio Lower Upper
164 100
162 94.9 79.6 119.4
160 41.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 180.210 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.03 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

Instrument :

BNA_G

ClientSampled :

VNJ-222

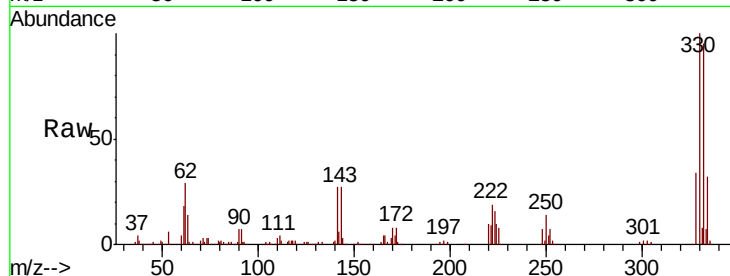
Tgt Ion:330 Resp: 337583

Ion Ratio Lower Upper

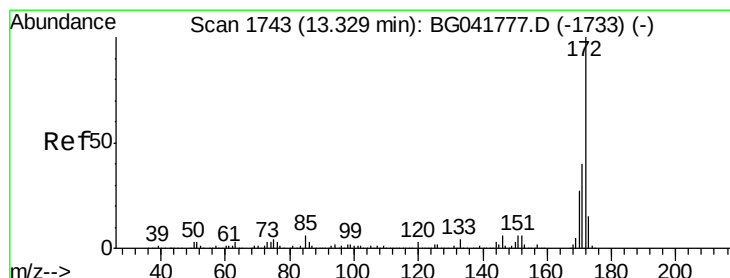
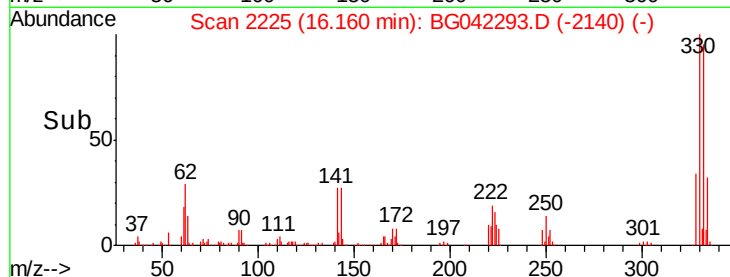
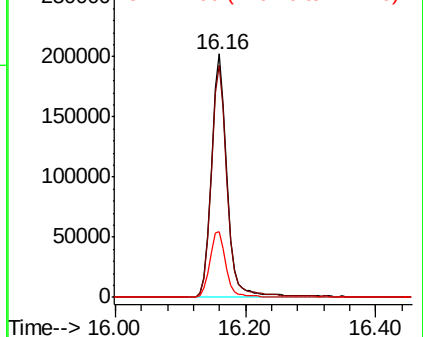
330 100

332 96.2 77.4 116.0

141 28.0 31.9 47.9#



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: 111.080 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.04 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

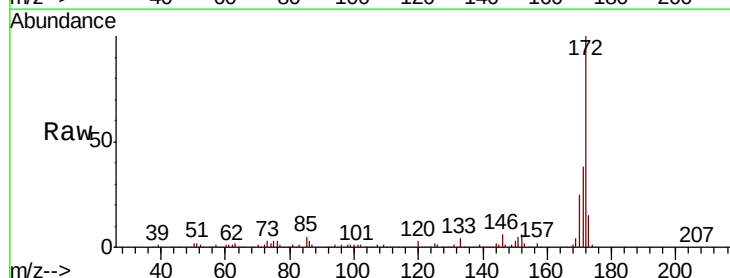
Tgt Ion:172 Resp: 1038680

Ion Ratio Lower Upper

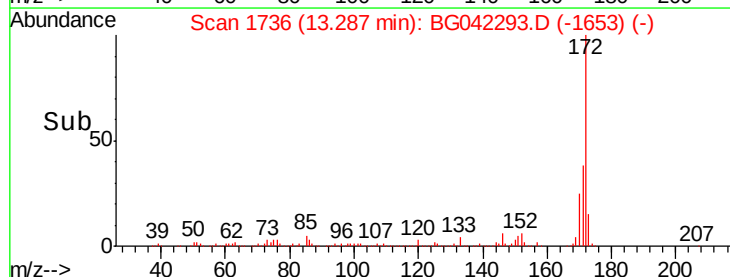
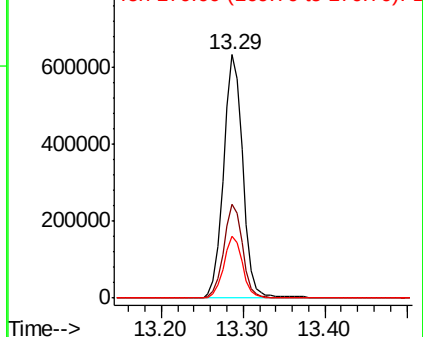
172 100

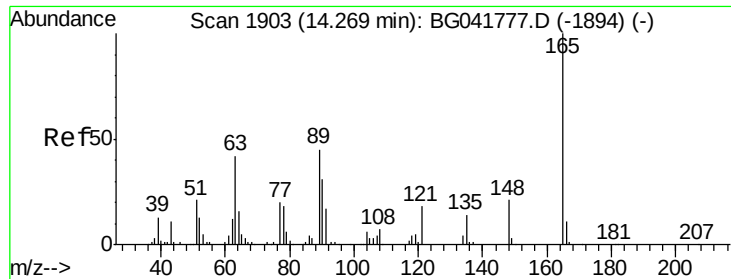
171 38.3 35.0 52.4

170 25.2 23.5 35.3



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

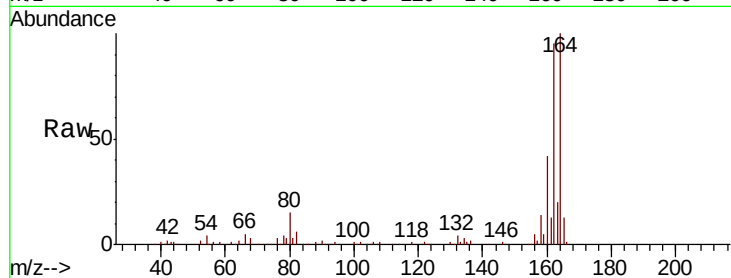




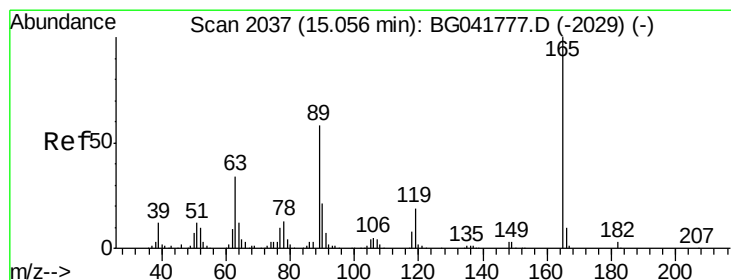
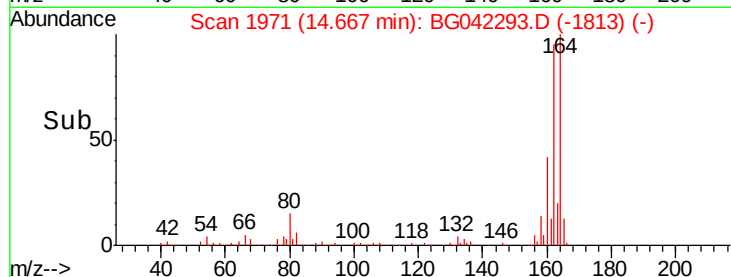
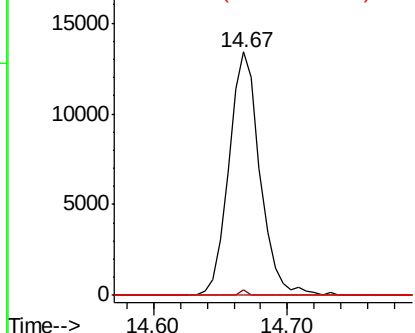
#51
 2,6-Dinitrotoluene
 Concen: 9.246 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.40 min
 Lab File: BG042293.D
 Acq: 17 Aug 2019 16:44

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-222

Tgt Ion:165 Resp: 21776
 Ion Ratio Lower Upper
 165 100
 63 2.4 42.4 63.6#
 89 0.0 42.1 63.1#

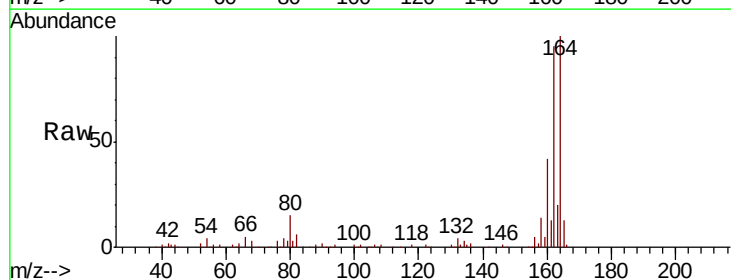


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

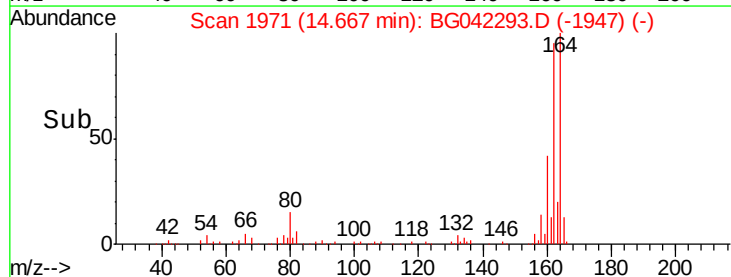
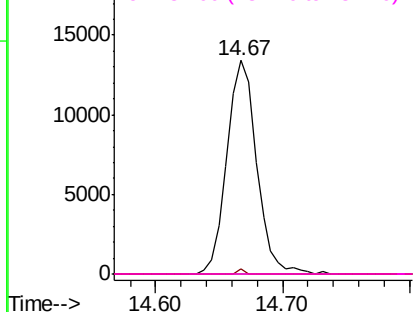


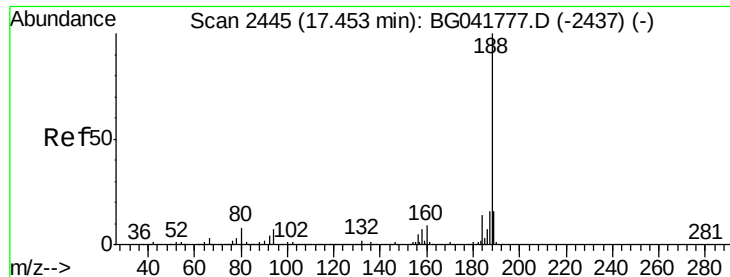
#57
 2,4-Dinitrotoluene
 Concen: 6.723 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.39 min
 Lab File: BG042293.D
 Acq: 17 Aug 2019 16:44

Tgt Ion:165 Resp: 21774
 Ion Ratio Lower Upper
 165 100
 63 2.4 31.7 47.5#
 89 0.0 50.2 75.4#
 182 0.0 2.6 4.0#



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

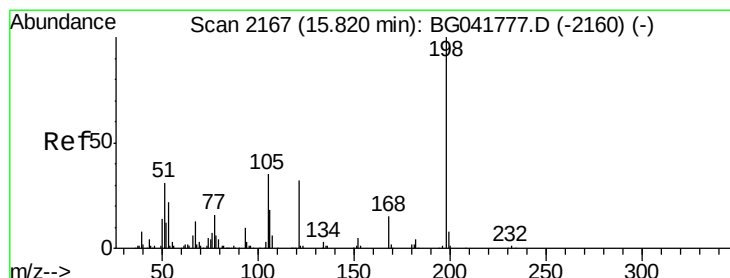
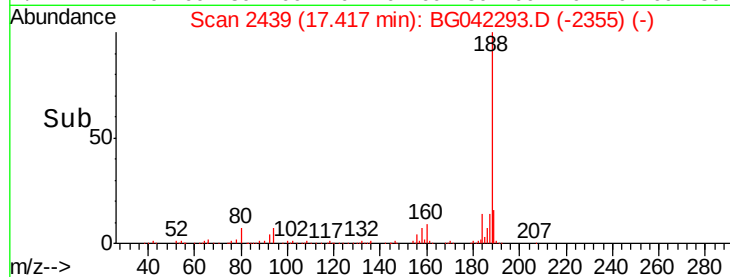
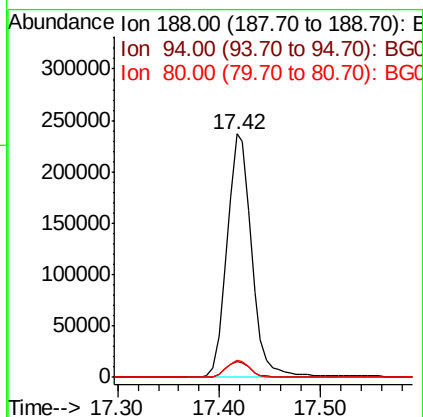
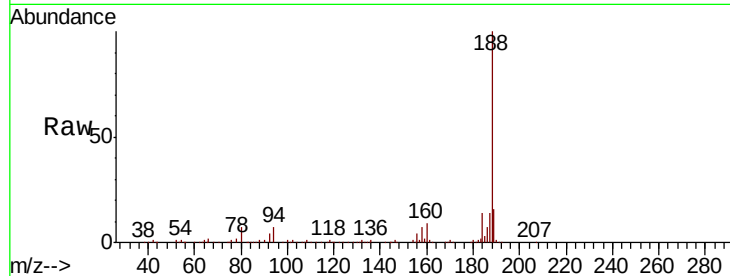




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.04 min
Lab File: BG042293.D
Acq: 17 Aug 2019 16:44

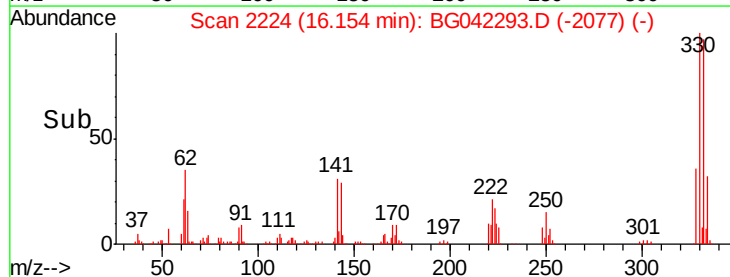
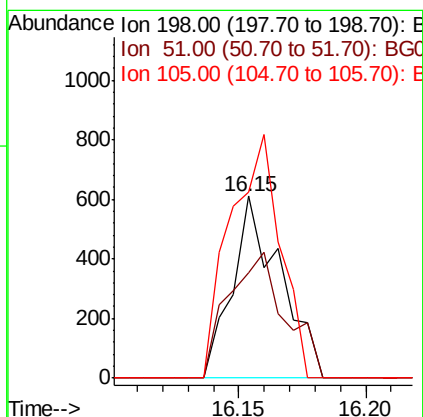
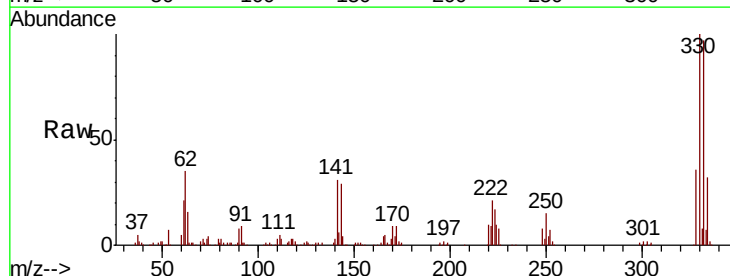
Instrument :
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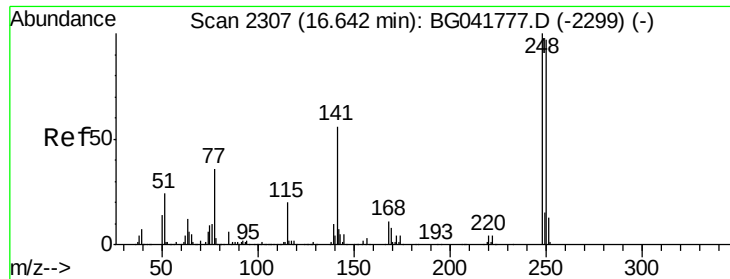
Tgt Ion:188 Resp: 399871
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 7.2 8.0 12.0#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.204 ng
RT: 16.15 min Scan# 2224
Delta R.T. 0.33 min
Lab File: BG042293.D
Acq: 17 Aug 2019 16:44

Tgt Ion:198 Resp: 804
Ion Ratio Lower Upper
198 100
51 58.2 22.3 62.3
105 102.3 18.0 58.0#

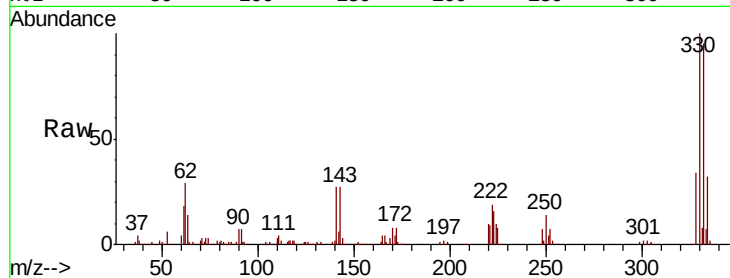




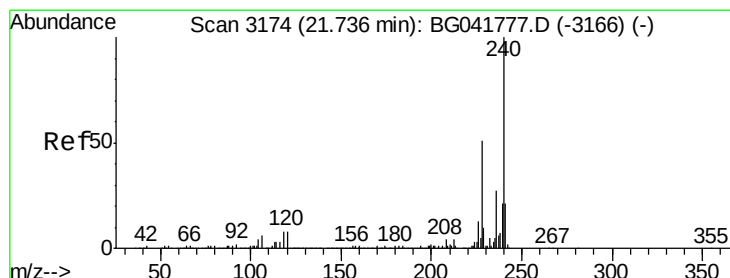
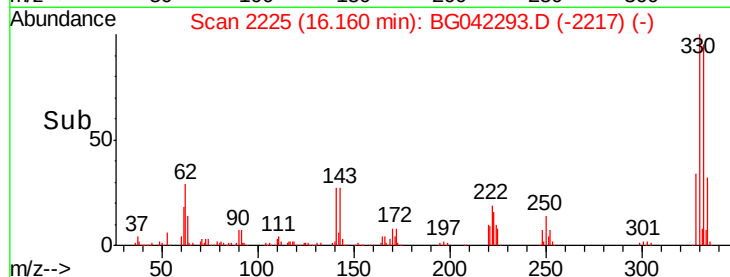
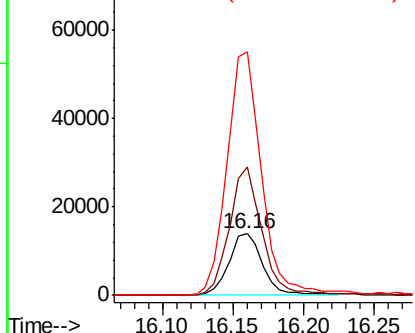
#67
 4-Bromophenyl-phenylether
 Concen: 4.756 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.48 min
 Lab File: BG042293.D
 Acq: 17 Aug 2019 16:44

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-222

Tgt Ion:248 Resp: 23424
 Ion Ratio Lower Upper
 248 100
 250 209.4 78.1 117.1#
 141 396.5 49.6 74.4#

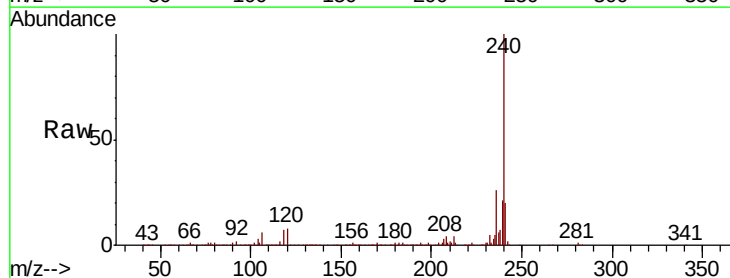


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

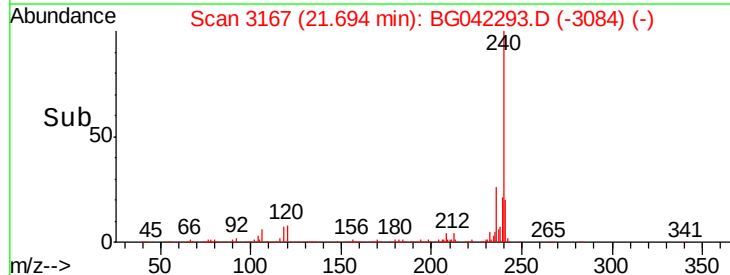
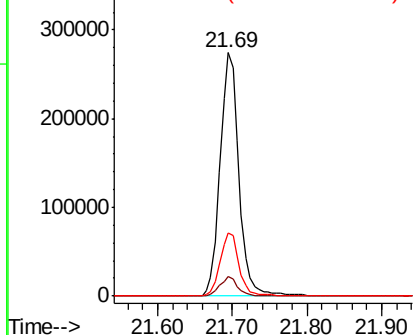


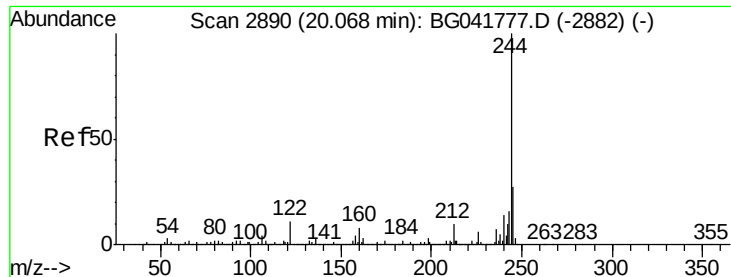
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3167
 Delta R.T. -0.04 min
 Lab File: BG042293.D
 Acq: 17 Aug 2019 16:44

Tgt Ion:240 Resp: 480379
 Ion Ratio Lower Upper
 240 100
 120 8.2 8.0 12.0
 236 26.0 22.6 33.8



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





#79

Terphenyl-d14

Concen: 94.212 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.04 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

Instrument :

BNA_G

ClientSampleId :

VNJ-222

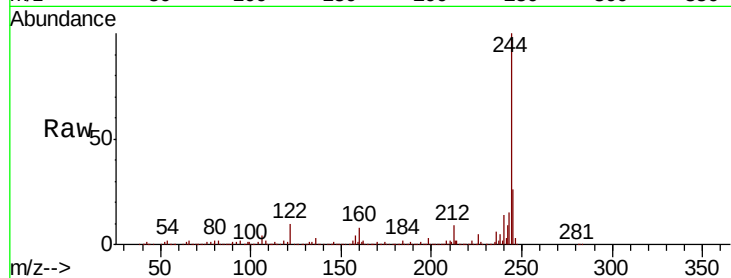
Tgt Ion:244 Resp: 1977804

Ion Ratio Lower Upper

244 100

212 8.8 9.7 14.5#

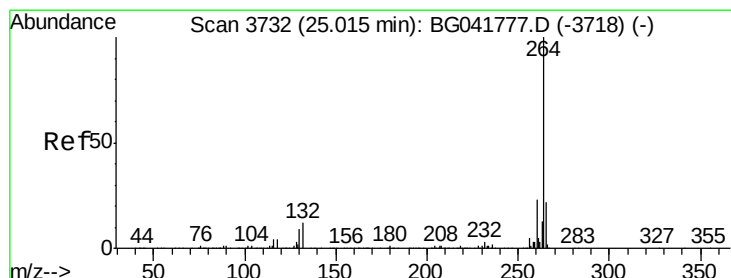
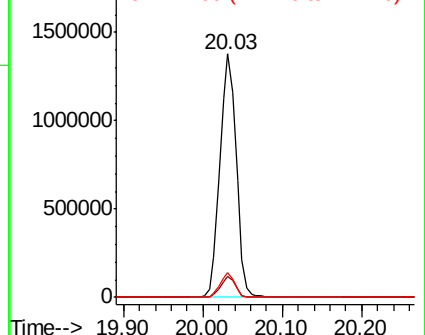
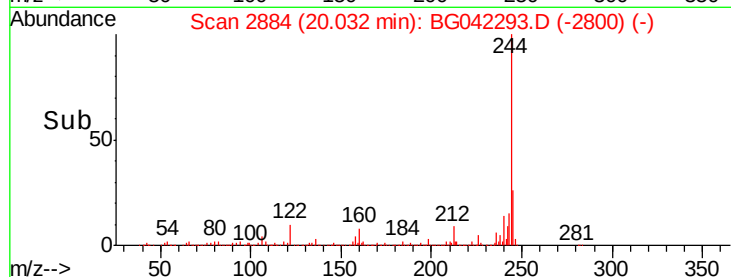
122 10.1 12.5 18.7#



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: 24.94 min Scan# 3720

Delta R.T. -0.07 min

Lab File: BG042293.D

Acq: 17 Aug 2019 16:44

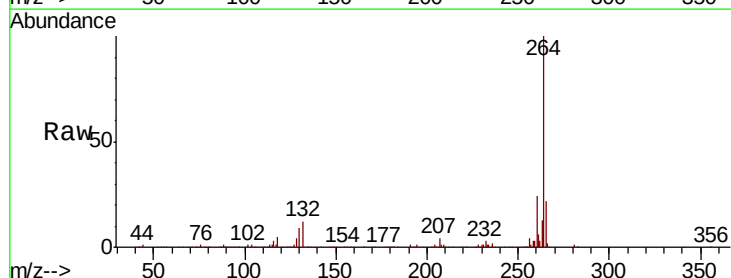
Tgt Ion:264 Resp: 546756

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.5 18.0 27.0



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

