

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
 Data File : BG043254.D
 Acq On : 16 Oct 2019 20:53
 Operator : JU
 Sample : K5350-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-209

Quant Time: Oct 17 01:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	54349	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	203131	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	141873	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	320262	20.00	ng	0.01
76) Chrysene-d12	21.71	240	348633	20.00	ng	0.02
87) Perylene-d12	24.93	264	405843	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	350854	115.21	ng	0.00
7) Phenol-d6	7.22	99	492407	112.28	ng	0.00
23) Nitrobenzene-d5	9.21	82	306222	73.27	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	278063	113.98	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	734865	75.09	ng	0.00
79) Terphenyl-d14	20.03	244	1290915	78.90	ng	0.00

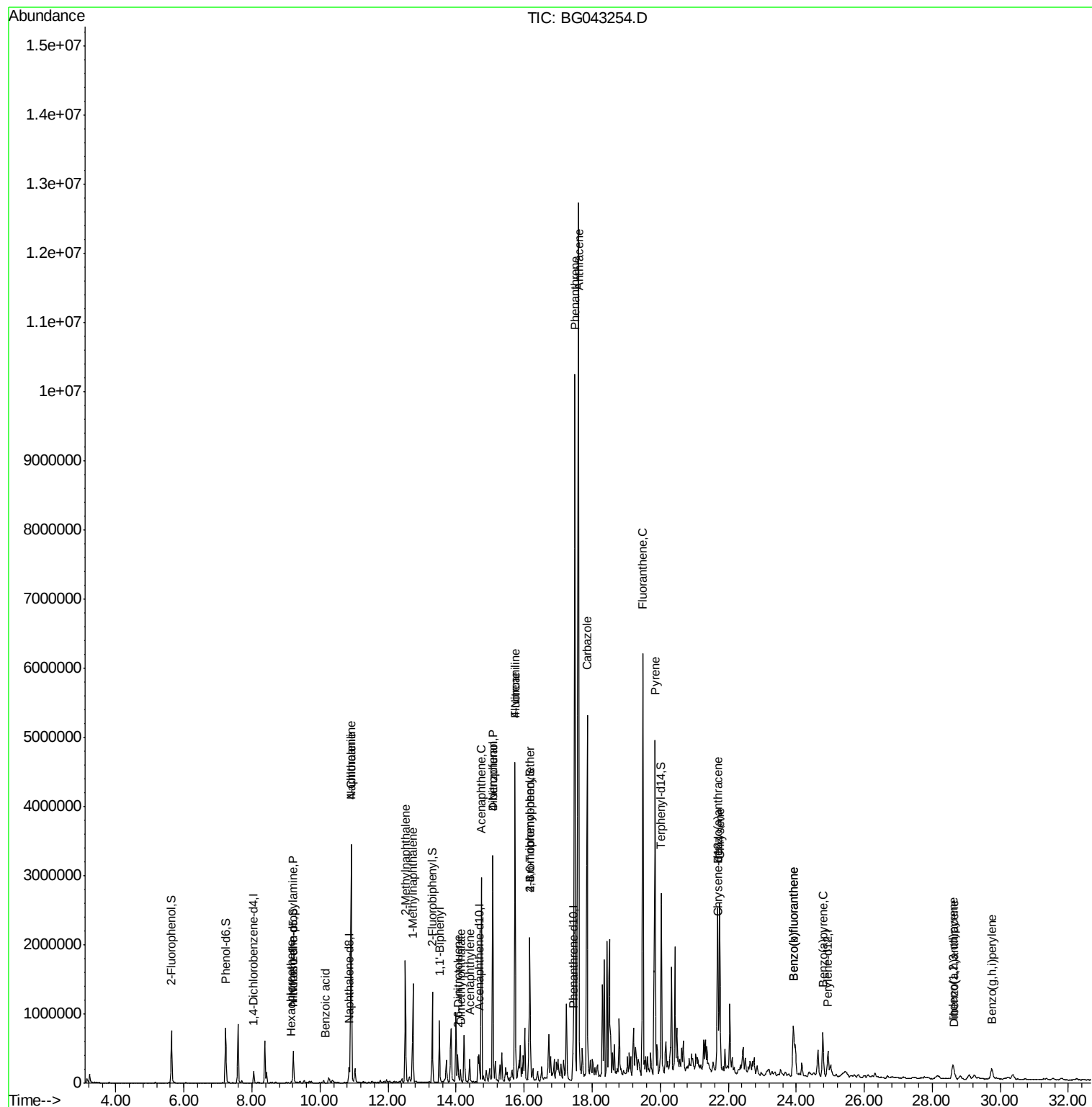
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.16	117	3561	2.341	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	43999	15.279	ng	# 70
31) Naphthalene	10.91	128	3035722	303.591	ng	# 92
32) Benzoic acid	10.15	122	53	2.827	ng	# 1
33) 4-Chloroaniline	10.92	127	484846	111.741	ng	# 35
37) 2-Methylnaphthalene	12.51	142	901251	118.146	ng	95
38) 1-Methylnaphthalene	12.73	142	702997	97.393	ng	100
46) 1,1'-Biphenyl	13.51	154	506209	47.050	ng	99
49) Acenaphthylene	14.40	152	87729	7.108	ng	# 81
50) Dimethylphthalate	14.13	163	92508	8.703	ng	98
51) 2,6-Dinitrotoluene	14.08	165	4583	2.025	ng	# 70
52) Acenaphthene	14.75	154	1107203	134.017	ng	99
55) Dibenzofuran	15.08	168	2099117	171.758	ng	# 93
56) 4-Nitrophenol	15.08	139	885085	496.537	ng	# 1
58) Fluorene	15.74	166	2341014	224.362	ng	# 97
62) 4-Nitroaniline	15.74	138	33966	13.312	ng	# 10
67) 4-Bromophenyl-phenylether	16.17	248	17747	4.415	ng	# 1
71) Phenanthrene	17.50	178	6111746	390.894	ng	# 44
72) Anthracene	17.60	178	7438527	476.556	ng	# 20
73) Carbazole	17.85	167	3715751	256.709	ng	# 81
75) Fluoranthene	19.49	202	3867661	187.020	ng	79
78) Pyrene	19.85	202	3139175	150.860	ng	# 83
81) Benzo(a)anthracene	21.68	228	1504446	69.256	ng	96
83) Chrysene	21.75	228	1663667	78.919	ng	94
86) Indeno(1,2,3-cd)pyrene	28.61	276	376793	14.358	ng	# 97
88) Benzo(b)fluoranthene	23.92	252	1048218	45.647	ng	98
89) Benzo(k)fluoranthene	23.92	252	1048218	46.142	ng	100
90) Benzo(a)pyrene	24.78	252	791549	36.535	ng	97
91) Dibenzo(a,h)anthracene	28.66	278	109012	4.907	ng	95
92) Benzo(g,h,i)perylene	29.75	276	326855	15.184	ng	98

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

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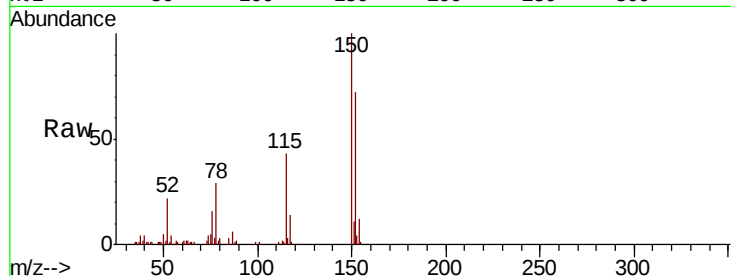


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.4	115.0	172.4
115	59.7	47.0	70.6

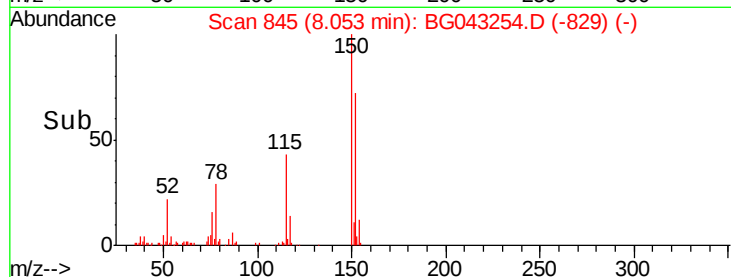
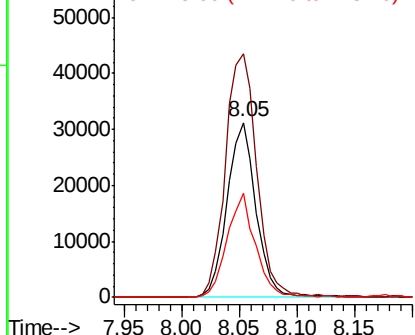


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

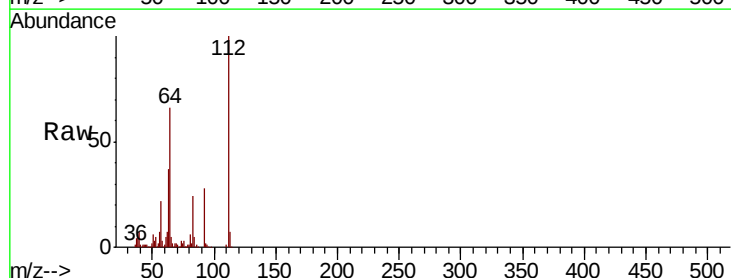
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.208 ng
RT: 5.63 min Scan# 433
Delta R.T. -0.01 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.6	84.8
63	36.9	35.1	52.7

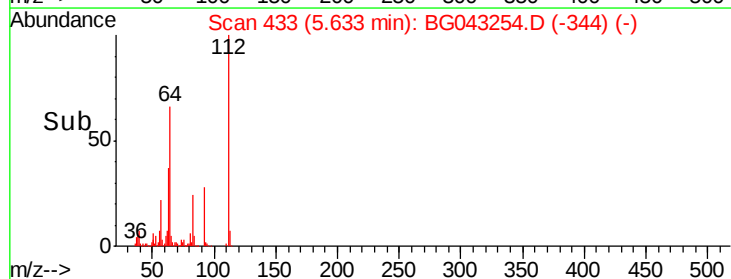
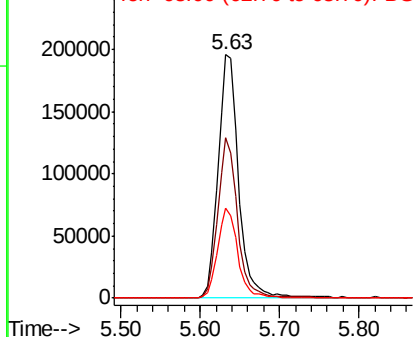


Abundance

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: 112.279 ng

RT: 7.22 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

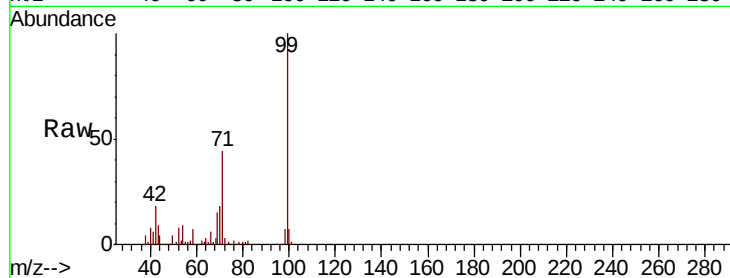
Tot Ion: 99 Resp: 492407

Ion Ratio Lower Upper

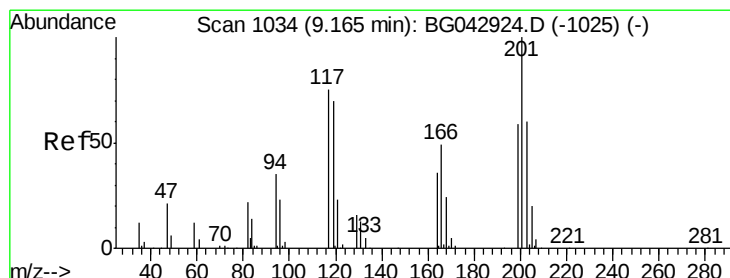
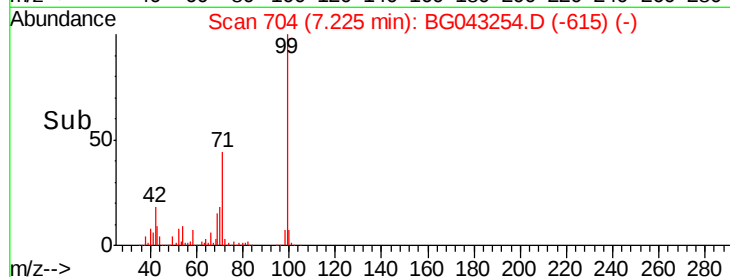
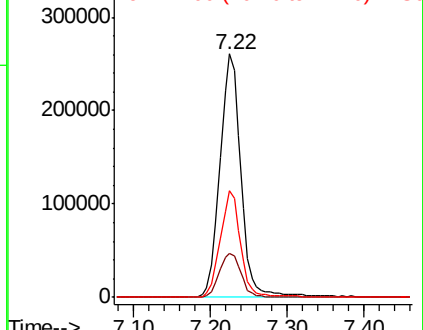
99 100

42 18.1 17.2 25.8

71 44.0 33.1 49.7



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



#18

Hexachloroethane

Concen: 2.341 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

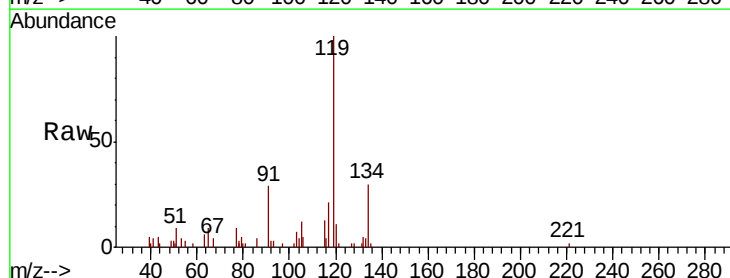
Tgt Ion: 117 Resp: 3561

Ion Ratio Lower Upper

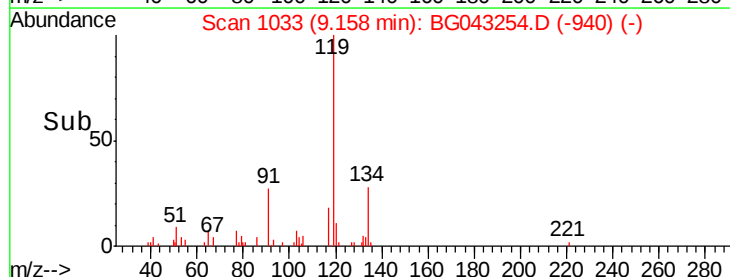
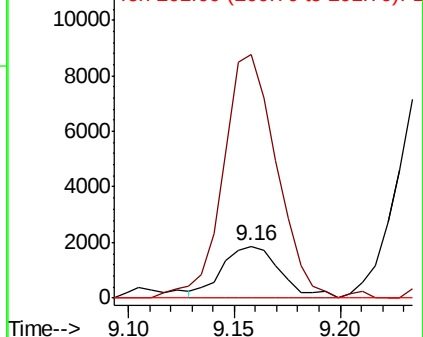
117 100

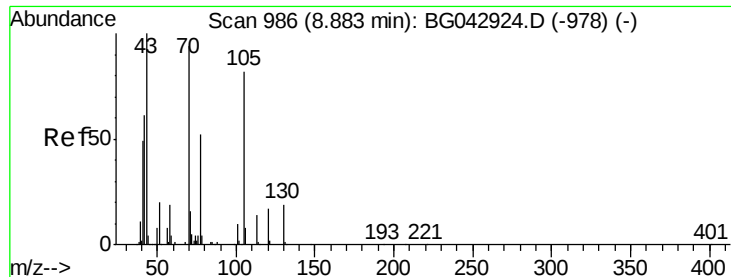
119 470.1 74.6 111.8#

201 0.0 106.0 159.0#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

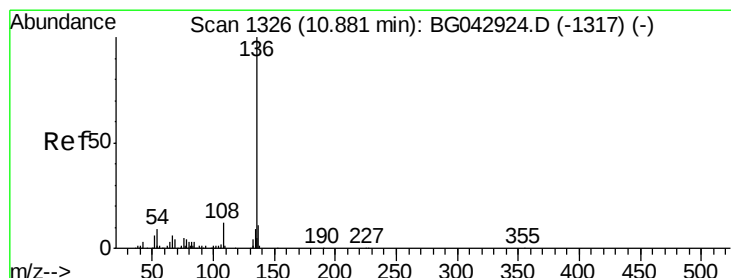
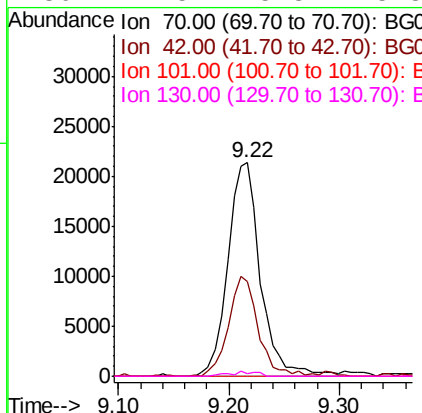
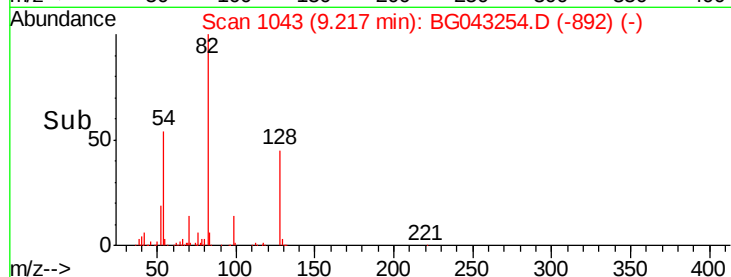
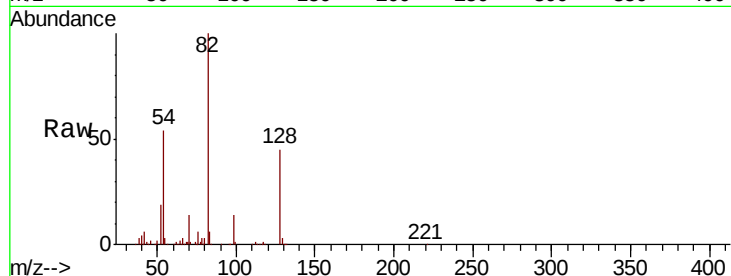




#19
n-Nitroso-di-n-propylamine
Concen: 15.279 ng
RT: 9.22 min Scan# 1043
Delta R.T. 0.36 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

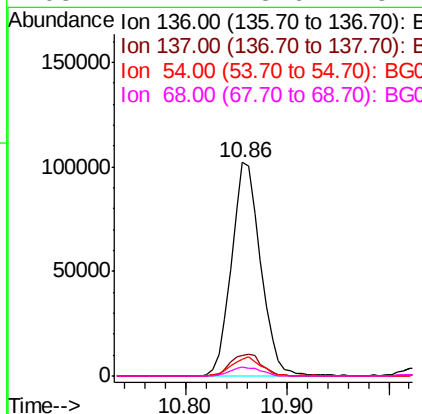
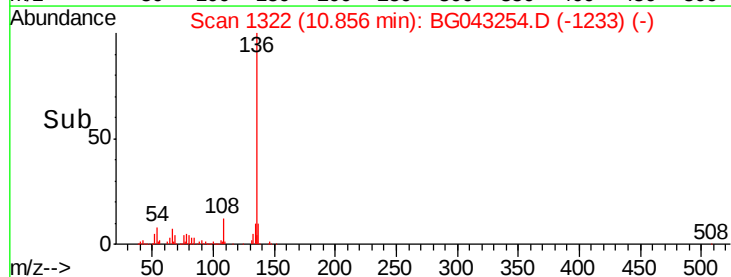
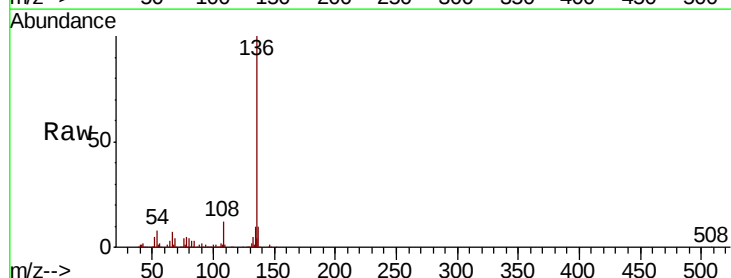
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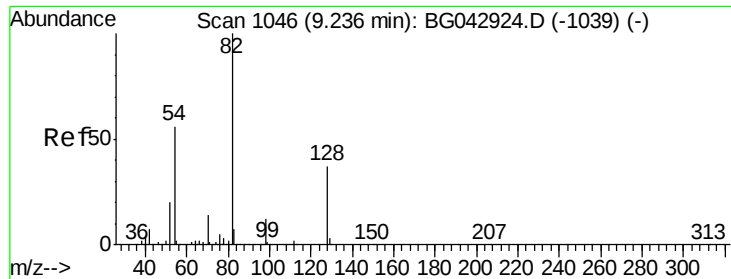
Tot Ion: 70 Resp: 43999
Ion Ratio Lower Upper
70 100
42 44.2 52.6 79.0#
101 0.0 8.7 13.1#
130 1.5 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion: 136 Resp: 203131
Ion Ratio Lower Upper
136 100
137 9.8 8.5 12.7
54 7.6 7.4 11.2
68 4.4 3.6 5.4

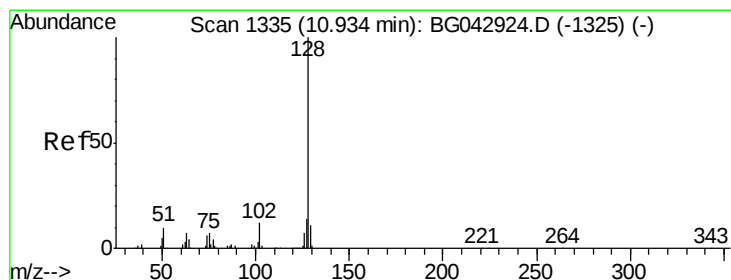
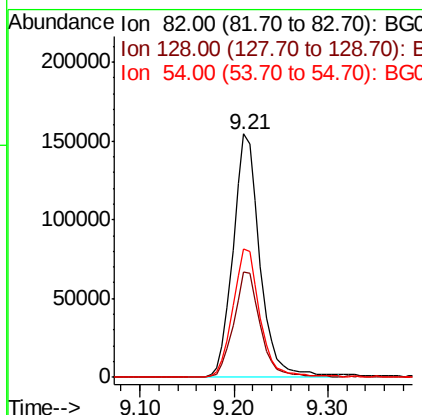
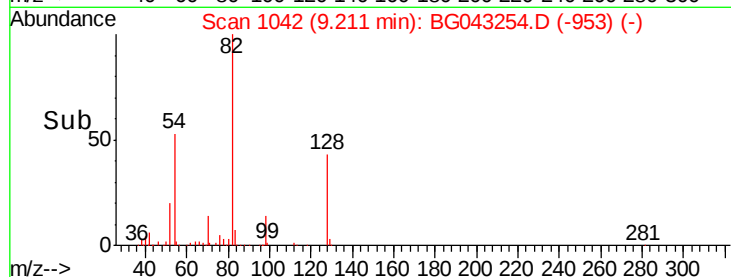
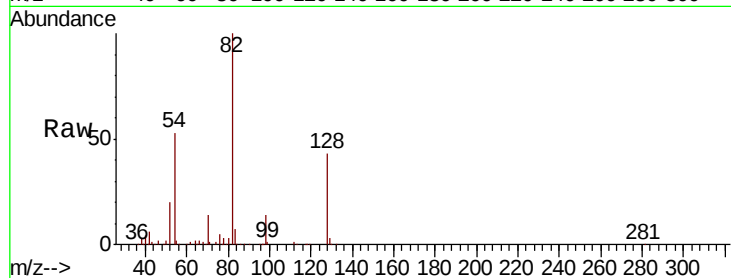




#23
Nitrobenzene-d5
Concen: 73.273 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

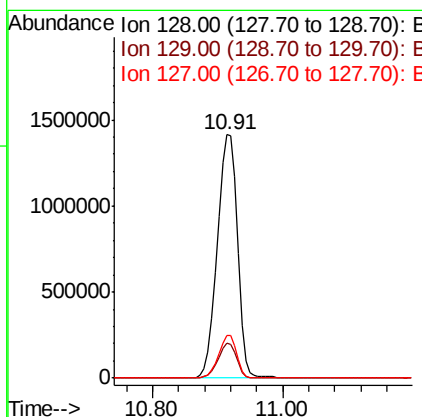
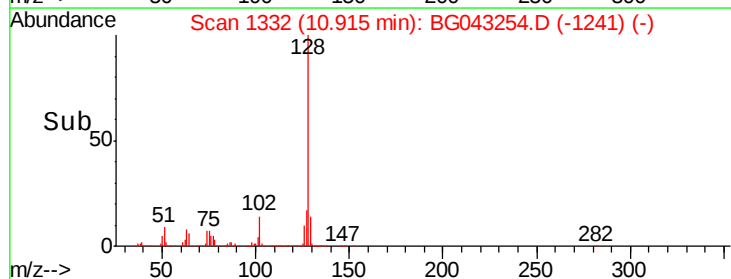
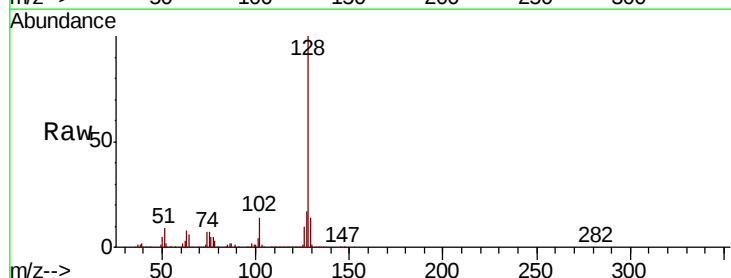
Instrument :
BNA_G
ClientSampleId :
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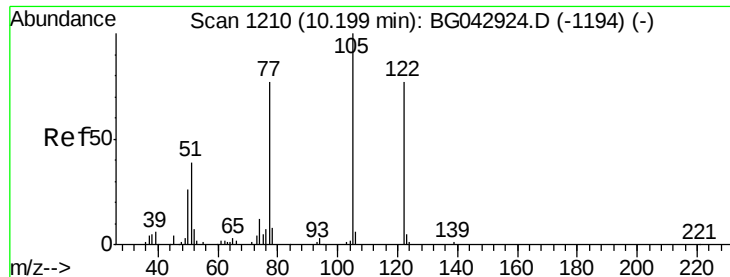
Tot Ion	82	Resp	306222
Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.5	44.3
54	53.0	44.6	67.0



#31
Naphthalene
Concen: 303.591 ng
RT: 10.91 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion	128	Resp	3035722
Ion	Ratio	Lower	Upper
128	100		
129	14.5	8.8	13.2#
127	17.3	11.3	16.9#

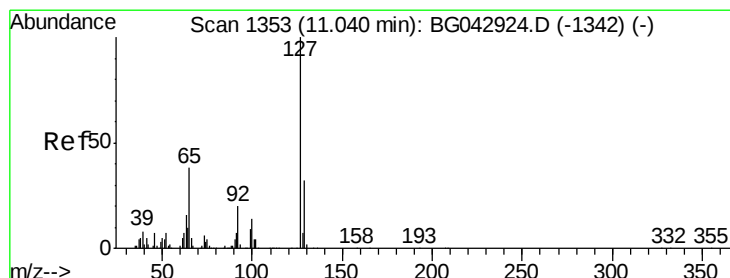
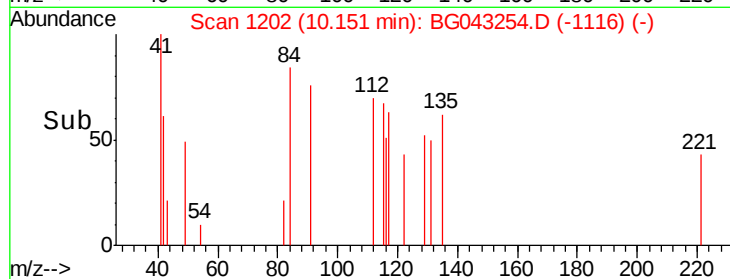
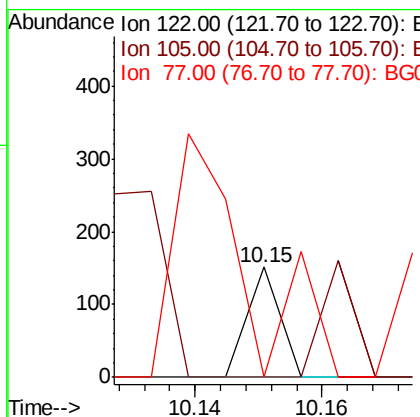
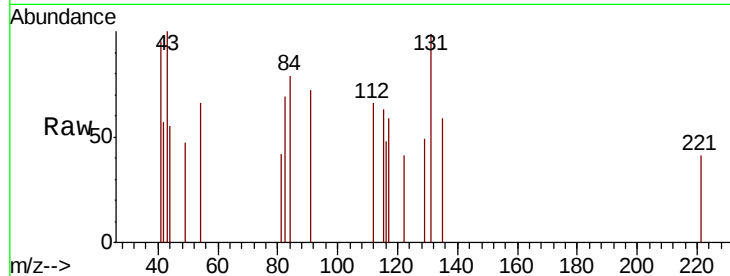




#32
Benzoic acid
Concen: 2.827 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

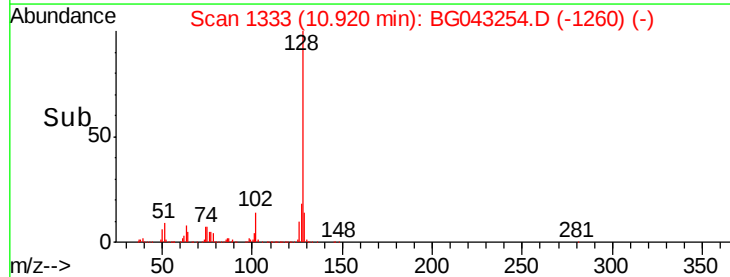
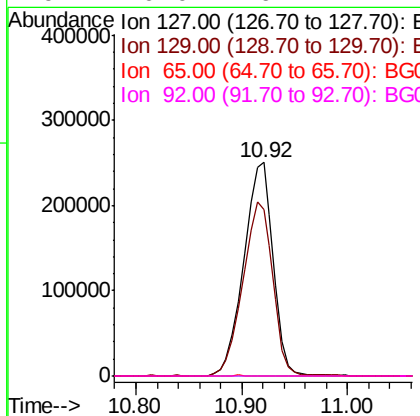
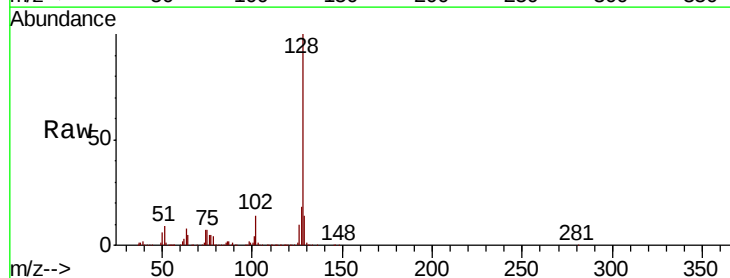
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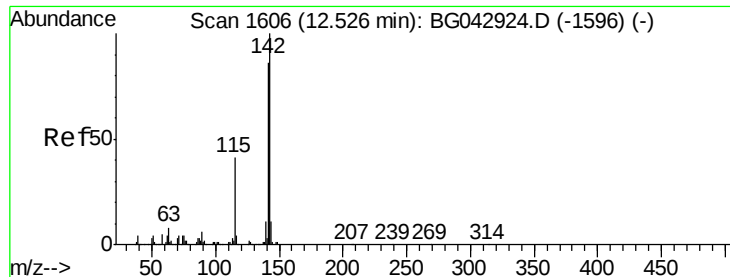
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#



#33
4-Chloroaniline
Concen: 111.741 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.10 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
127	100		
129	78.0	26.2	39.2#
65	0.0	30.6	45.8#
92	0.0	16.2	24.4#

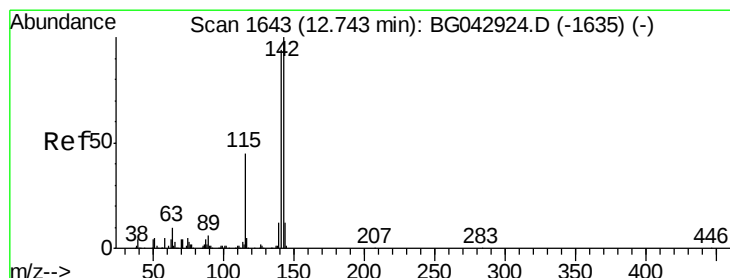
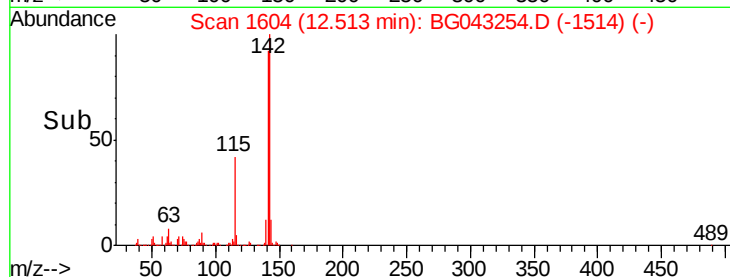
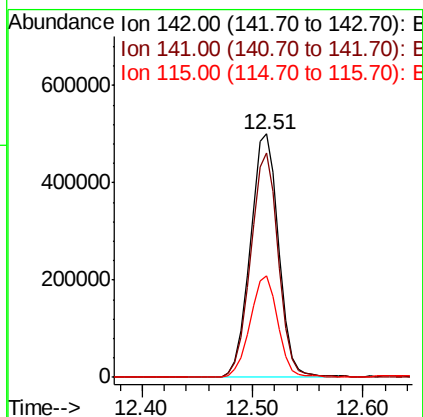
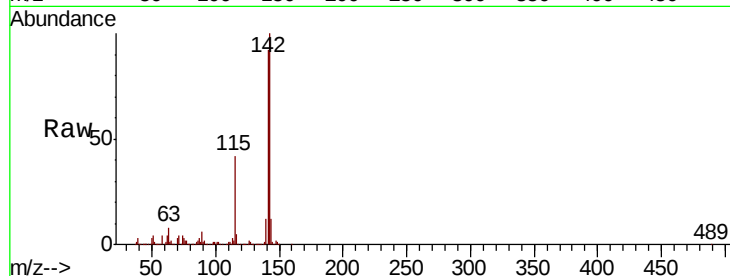




#37
2-Methylnaphthalene
Concen: 118.146 ng
RT: 12.51 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

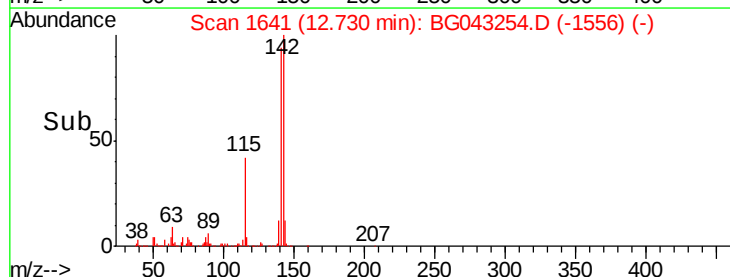
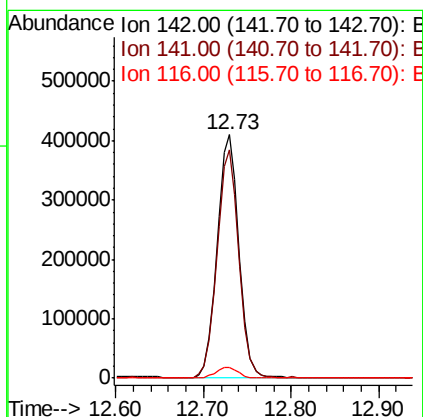
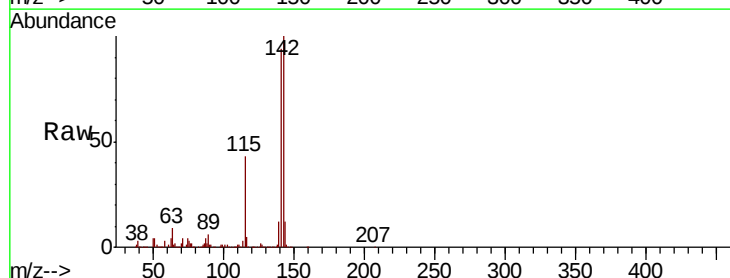
Instrument :
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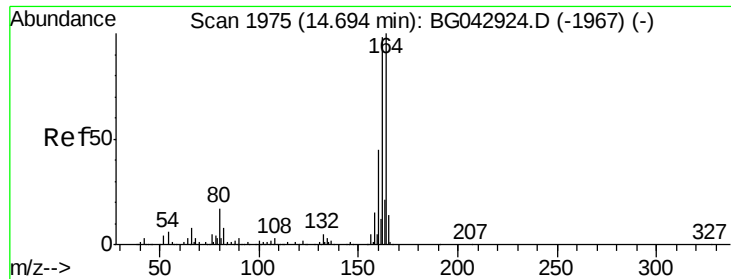
Tot Ion:142 Resp: 901251
Ion Ratio Lower Upper
142 100
141 92.2 69.0 103.4
115 41.7 32.8 49.2



#38
1-Methylnaphthalene
Concen: 97.393 ng
RT: 12.73 min Scan# 1641
Delta R.T. -0.00 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion:142 Resp: 702997
Ion Ratio Lower Upper
142 100
141 94.0 74.9 112.3
116 4.6 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

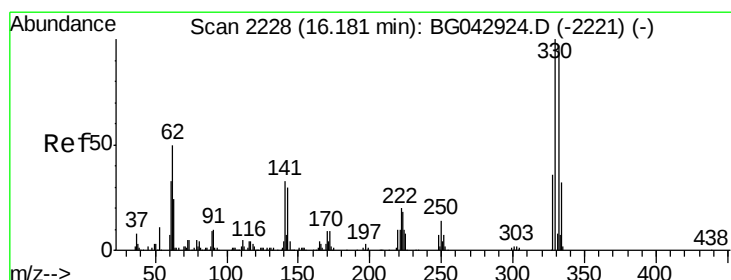
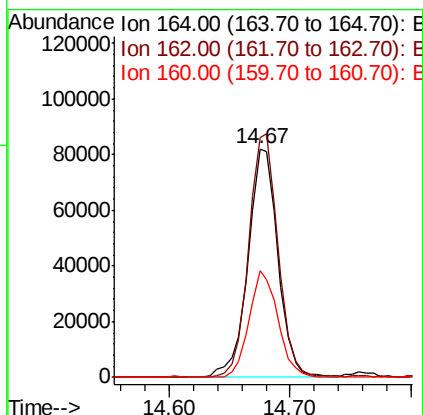
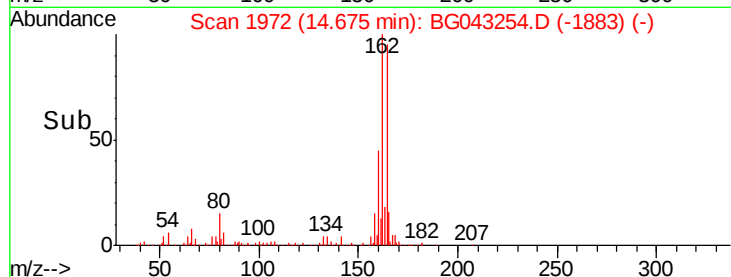
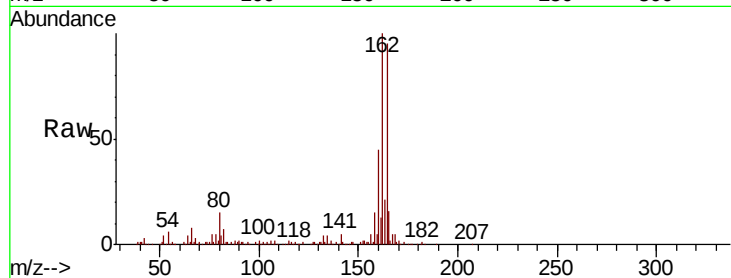
Tot Ion:164 Resp: 141873

Ion Ratio Lower Upper

164 100

162 105.1 78.5 117.7

160 46.8 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 113.979 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

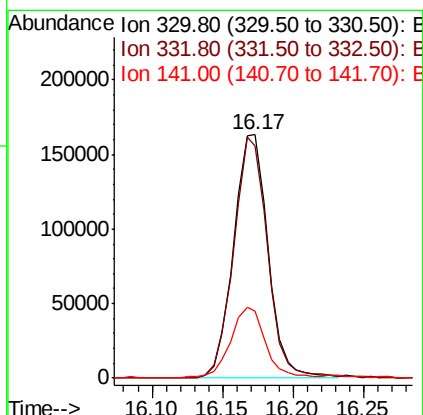
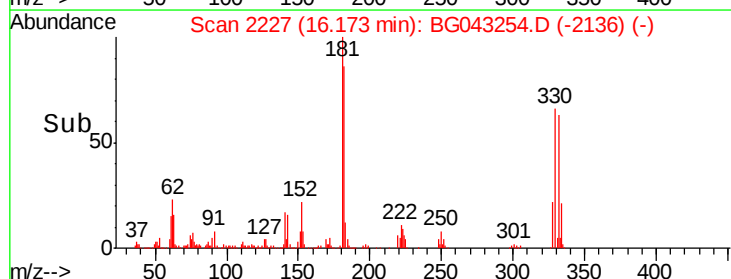
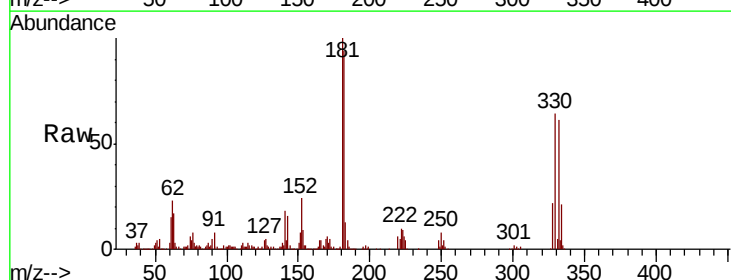
Tgt Ion:330 Resp: 278063

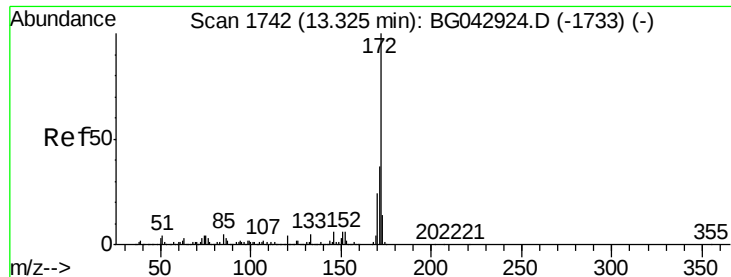
Ion Ratio Lower Upper

330 100

332 98.0 78.2 117.2

141 28.7 26.0 39.0

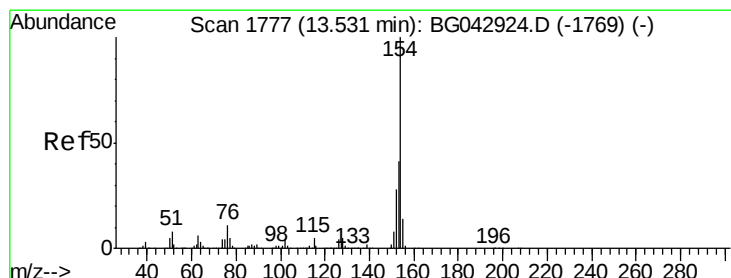
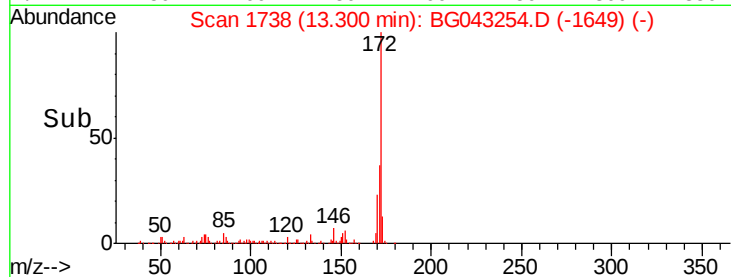
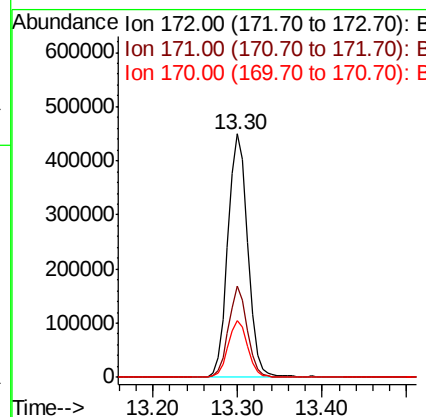
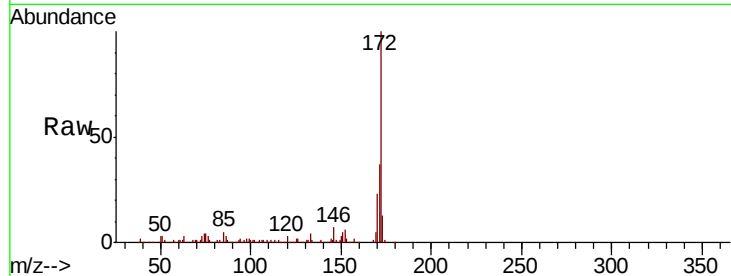




#45
 2-Fluorobiphenyl
 Concen: 75.091 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG043254.D
 Acq: 16 Oct 2019 20:53

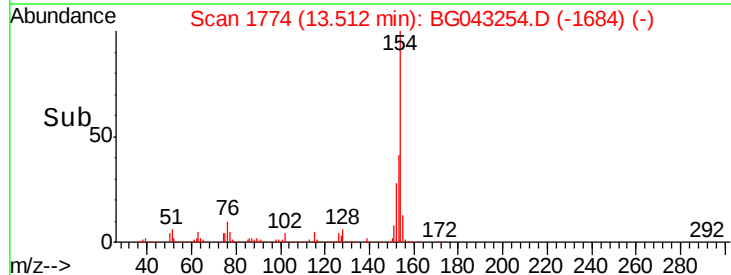
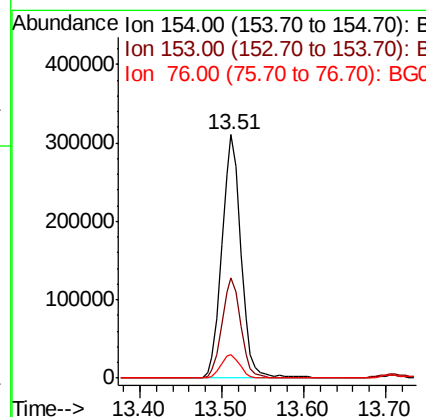
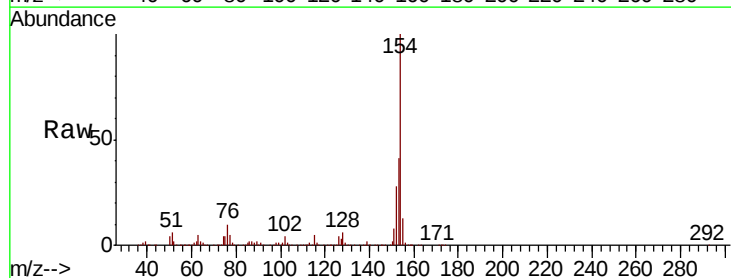
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-209

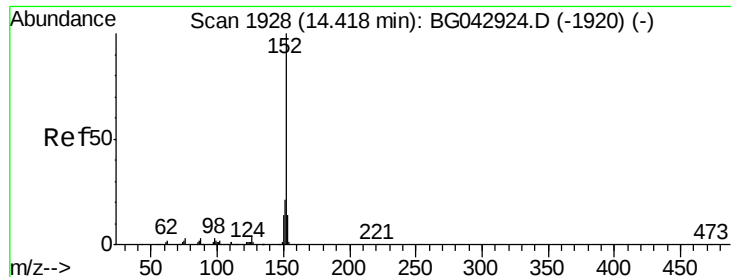
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	23.4	19.6	29.4



#46
 1,1'-Biphenyl
 Concen: 47.050 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG043254.D
 Acq: 16 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	9.7	0.0	31.3





#49

Acenaphthylene

Concen: 7.108 ng

RT: 14.40 min Scan# 1926

Delta R.T. 0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

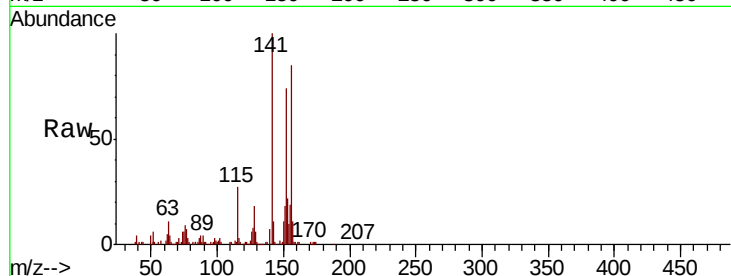
Tot Ion:152 Resp: 87729

Ion Ratio Lower Upper

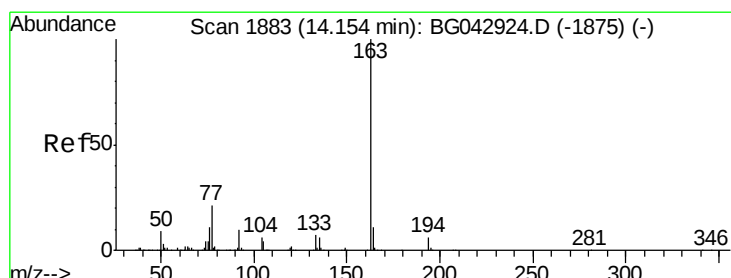
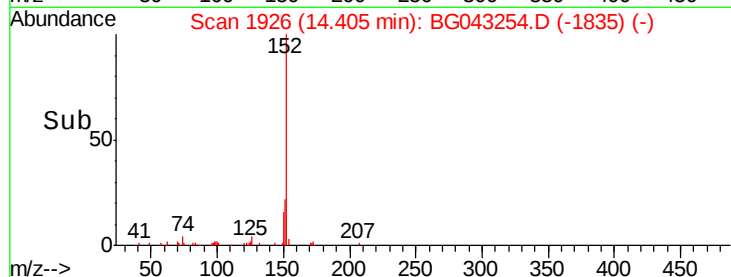
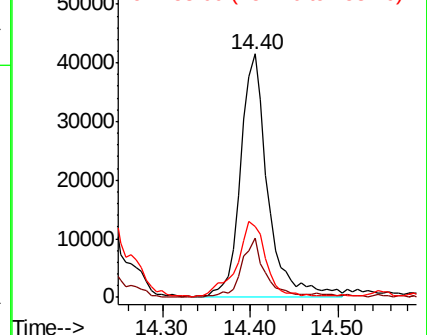
152 100

151 24.3 16.8 25.2

153 29.1 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.703 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

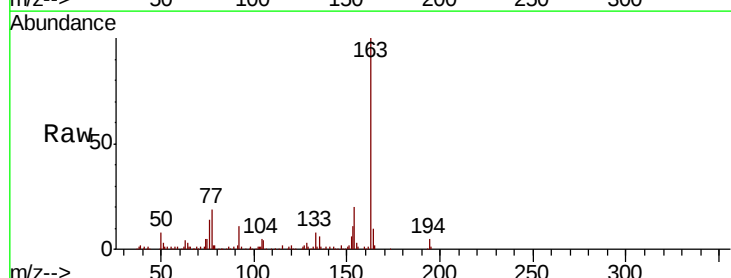
Tgt Ion:163 Resp: 92508

Ion Ratio Lower Upper

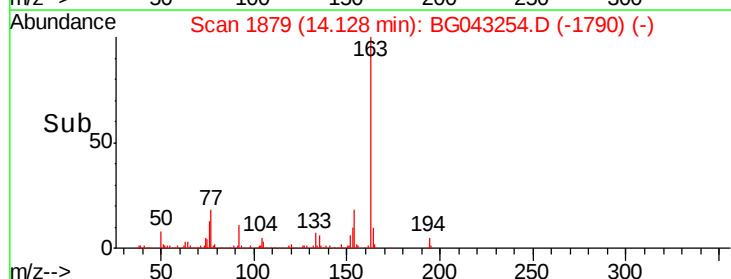
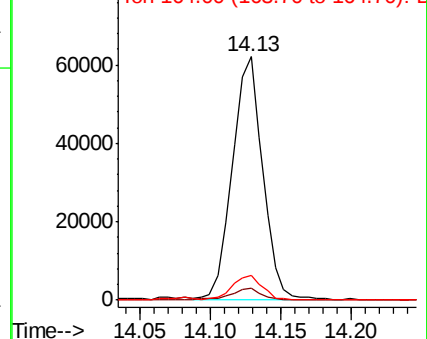
163 100

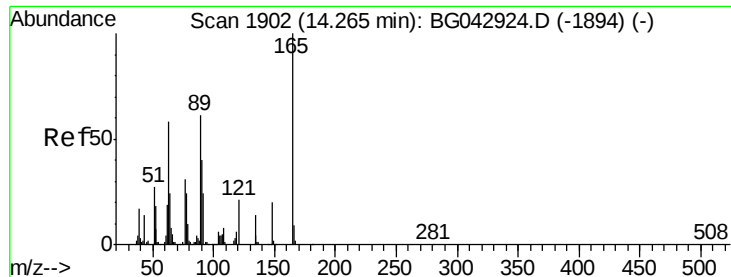
194 5.1 4.4 6.6

164 9.9 8.6 12.8



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





#51

2,6-Dinitrotoluene

Concen: 2.025 ng

RT: 14.08 min Scan# 1870

Delta R.T. -0.17 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

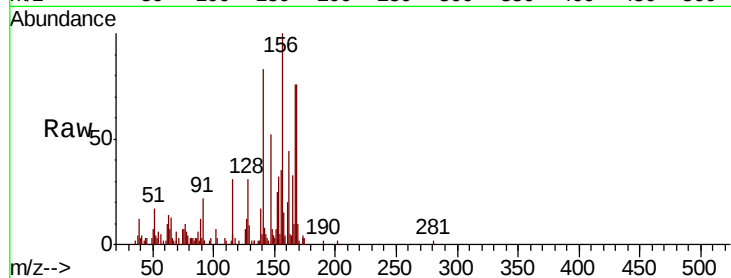
Tot Ion:165 Resp: 4583

Ion Ratio Lower Upper

165 100

63 41.8 50.3 75.5#

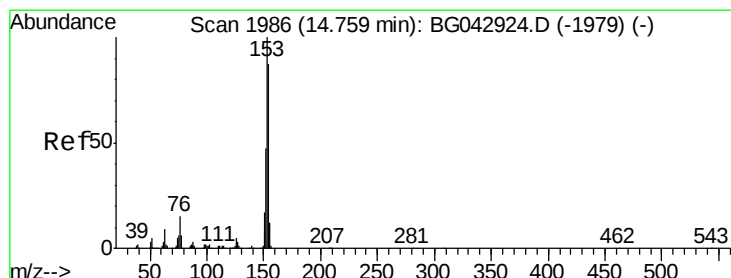
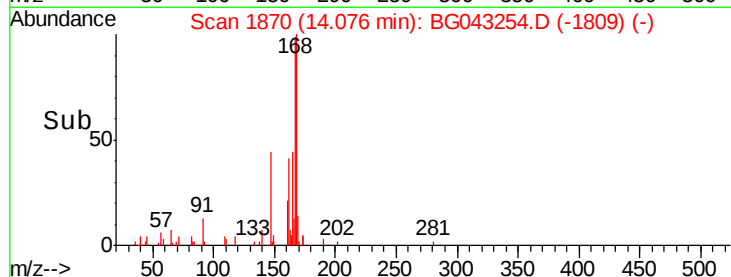
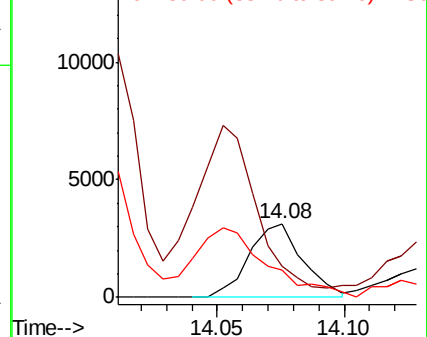
89 36.7 48.9 73.3#



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



#52

Acenaphthene

Concen: 134.017 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

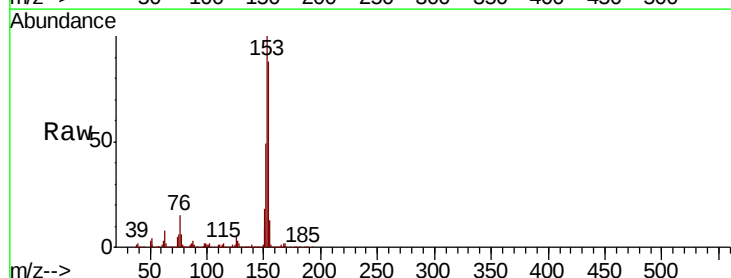
Tgt Ion:154 Resp: 1107203

Ion Ratio Lower Upper

154 100

153 114.0 91.4 137.0

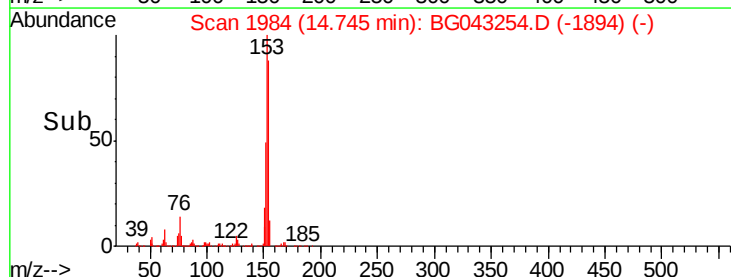
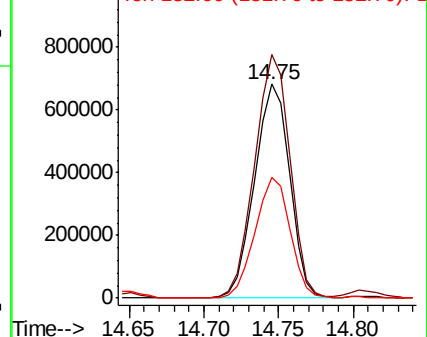
152 56.3 42.8 64.2

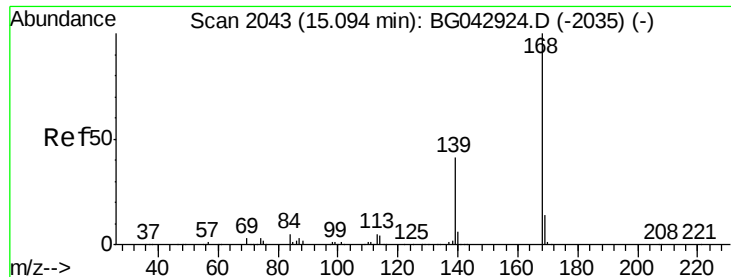


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

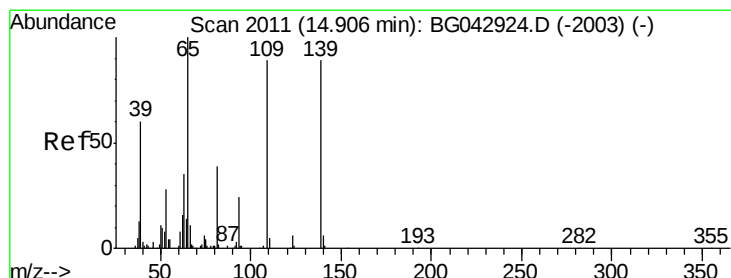
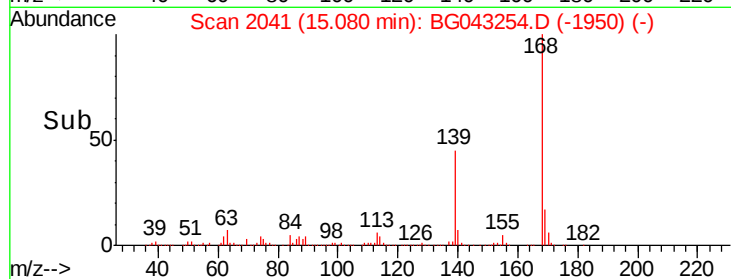
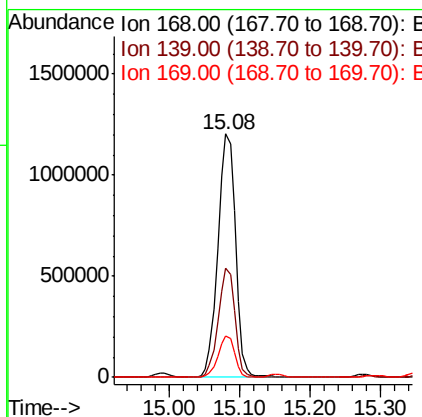
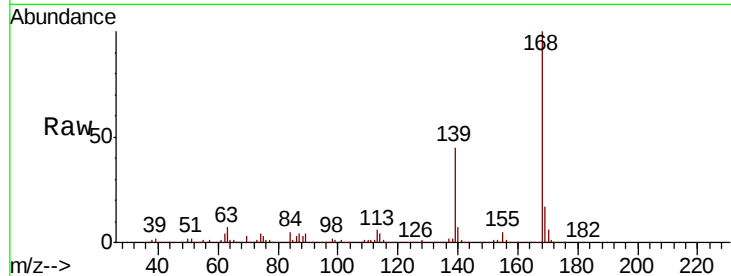




#55
Dibenzenofuran
Concen: 171.758 ng
RT: 15.08 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

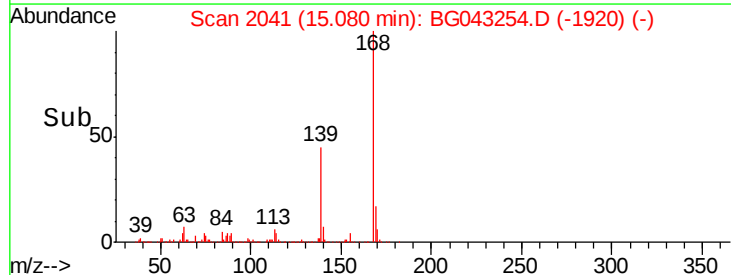
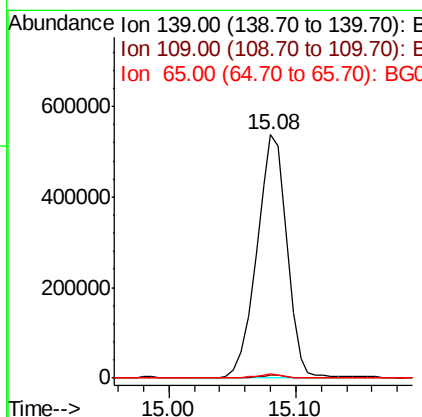
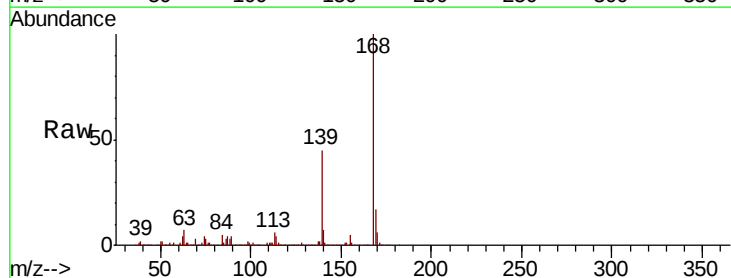
Instrument :
BNA_G
ClientSampleId :
VNJ-209

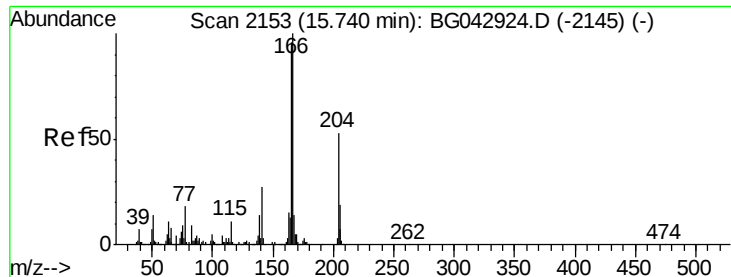
Tot Ion:168 Resp: 2099117
Ion Ratio Lower Upper
168 100
139 44.6 32.6 48.8
169 17.0 11.2 16.8#



#56
4-Nitrophenol
Concen: 496.537 ng
RT: 15.08 min Scan# 2041
Delta R.T. 0.18 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion:139 Resp: 885085
Ion Ratio Lower Upper
139 100
109 1.2 79.4 119.4#
65 1.5 92.5 132.5#





#58

Fluorene

Concen: 224.362 ng

RT: 15.74 min Scan# 2153

Delta R.T. 0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

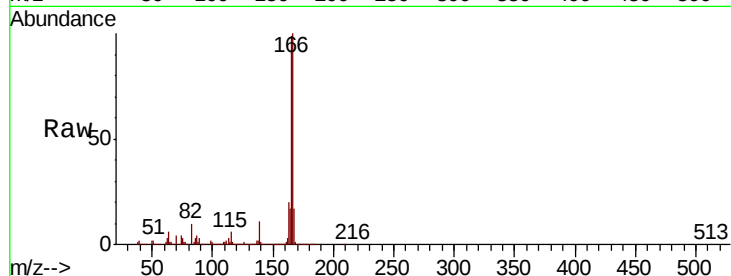
Tot Ion:166 Resp: 2341014

Ion Ratio Lower Upper

166 100

165 99.1 77.1 115.7

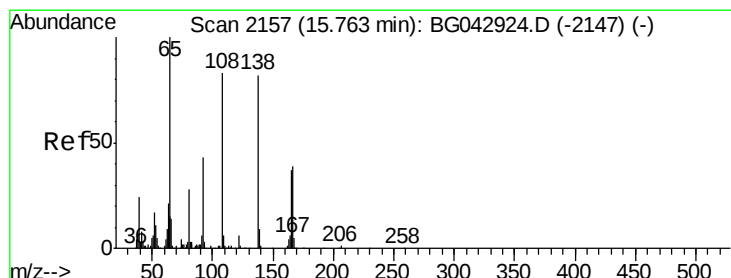
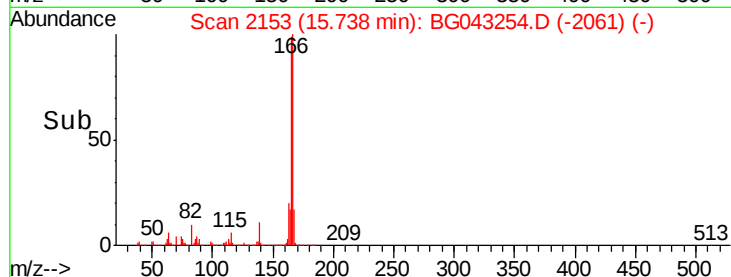
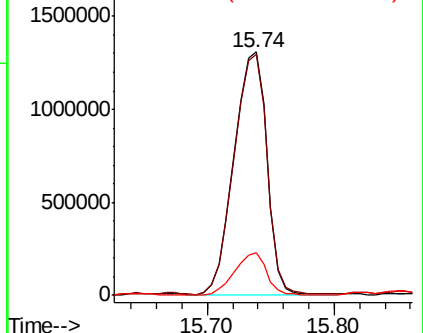
167 17.3 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#62

4-Nitroaniline

Concen: 13.312 ng

RT: 15.74 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

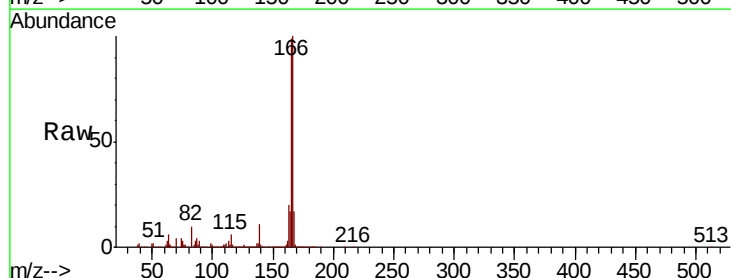
Tgt Ion:138 Resp: 33966

Ion Ratio Lower Upper

138 100

92 0.9 32.9 72.9#

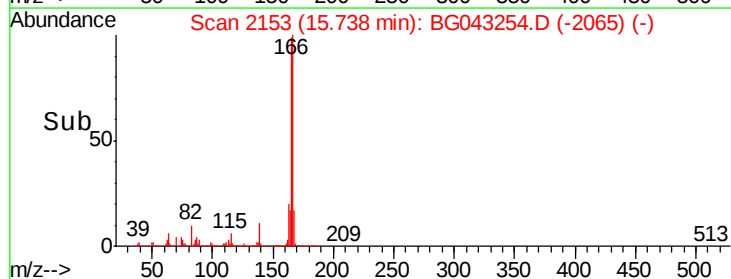
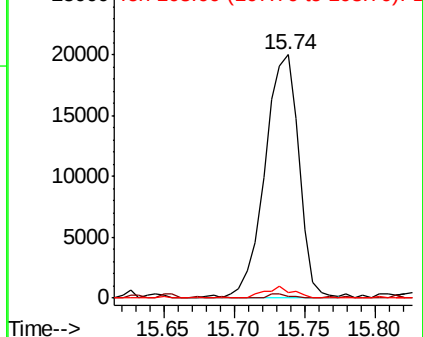
108 2.3 81.3 121.3#

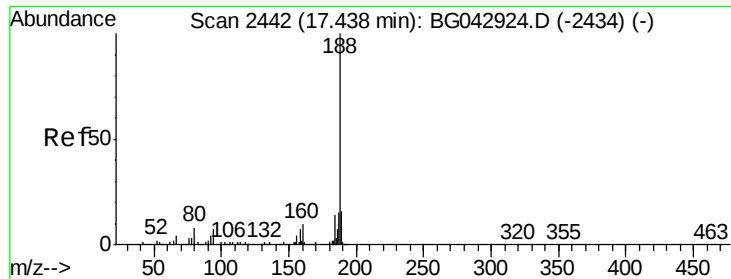


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

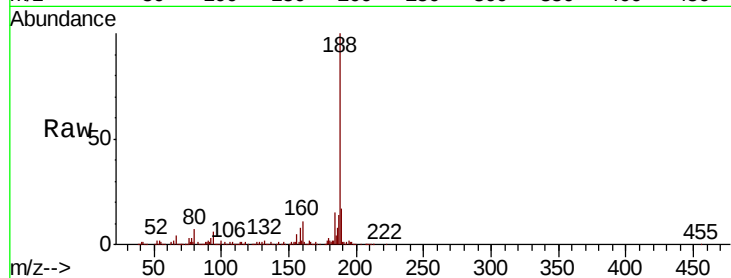
Tot Ion:188 Resp: 320262

Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

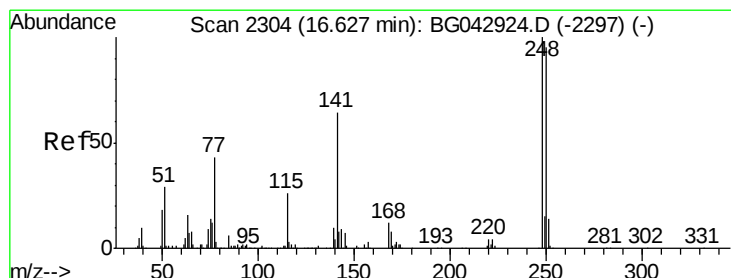
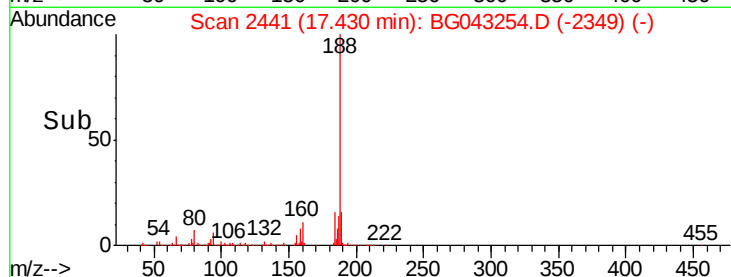
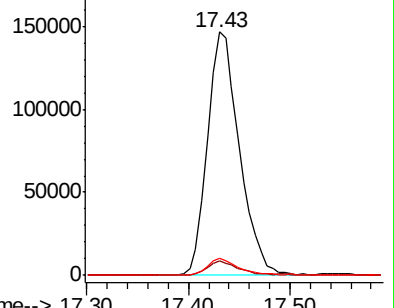
80 7.0 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 4.415 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.43 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

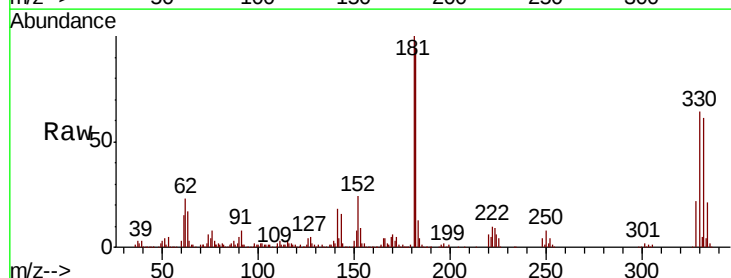
Tgt Ion:248 Resp: 17747

Ion Ratio Lower Upper

248 100

250 209.0 75.8 113.8#

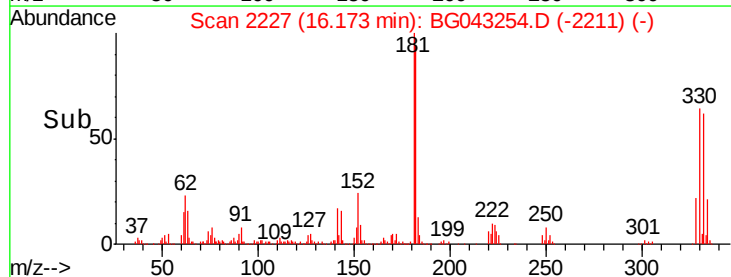
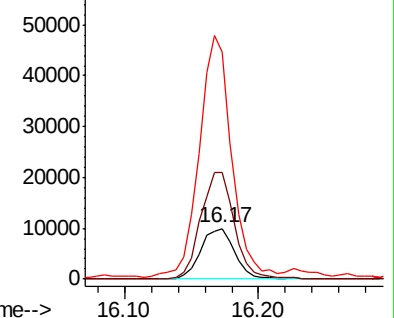
141 447.2 51.1 76.7#

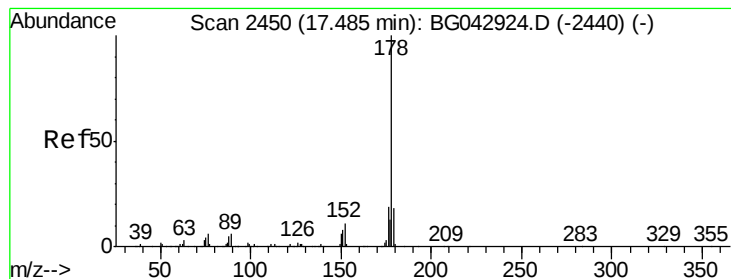


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 390.894 ng

RT: 17.50 min Scan# 2452

Delta R.T. 0.03 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

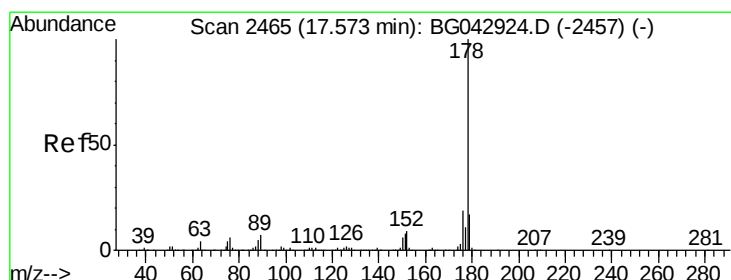
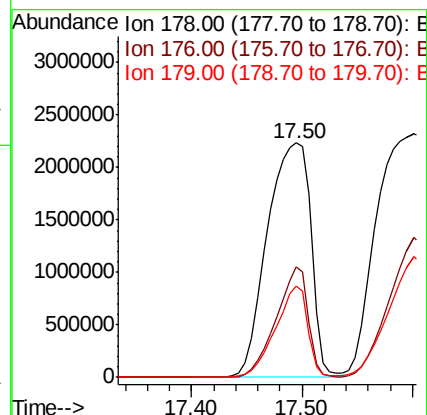
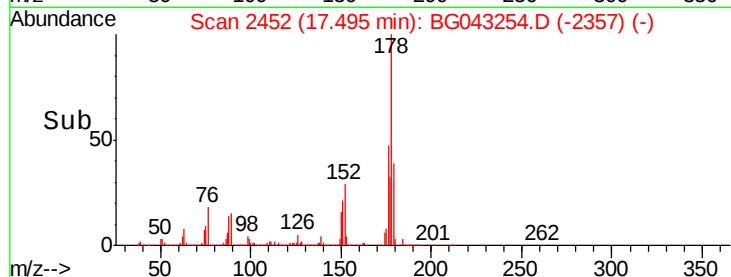
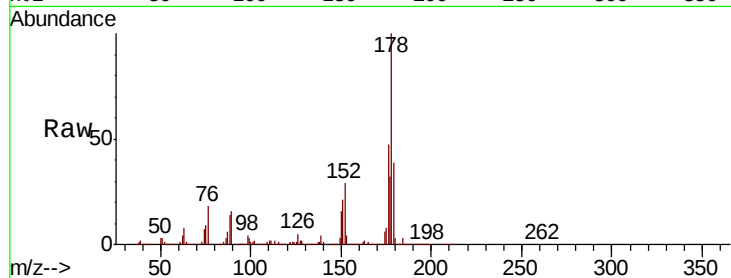
Tot Ion:178 Resp: 6111746

Ion Ratio Lower Upper

178 100

176 47.1 15.1 22.7#

179 39.0 14.1 21.1#



#72

Anthracene

Concen: 476.556 ng

RT: 17.60 min Scan# 2470

Delta R.T. 0.05 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

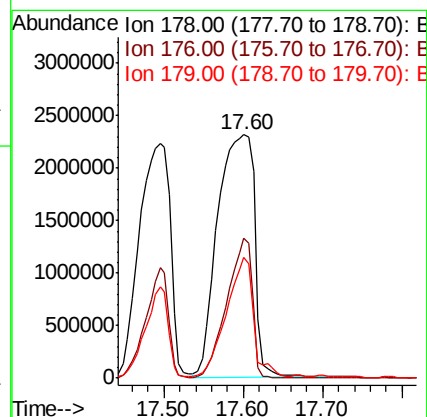
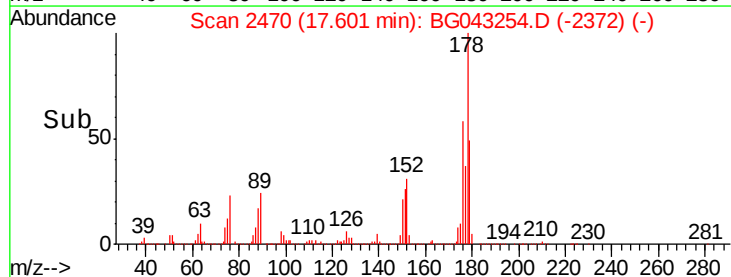
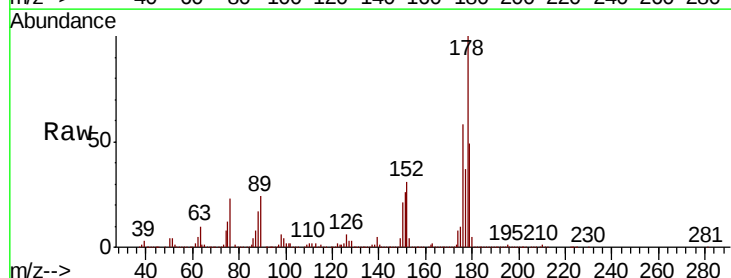
Tgt Ion:178 Resp: 7438527

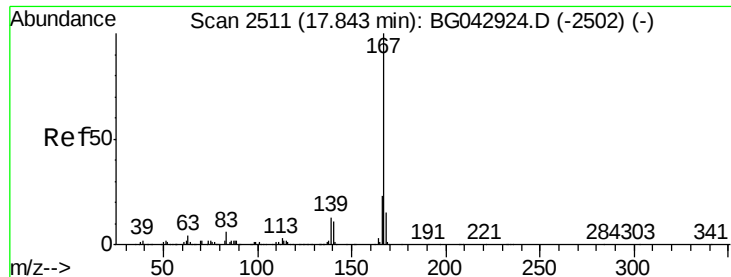
Ion Ratio Lower Upper

178 100

176 57.5 15.5 23.3#

179 49.5 13.5 20.3#

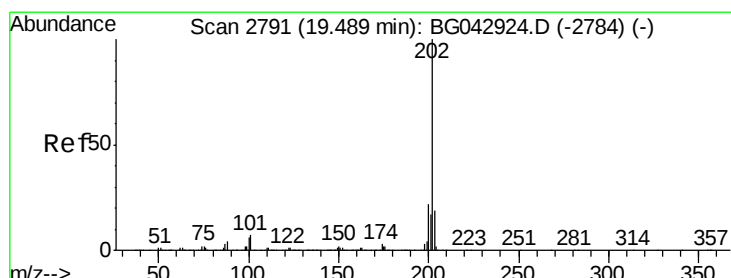
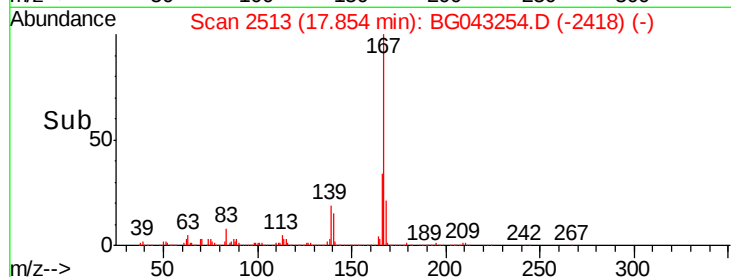
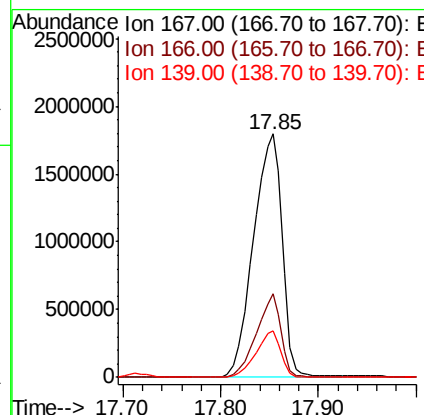
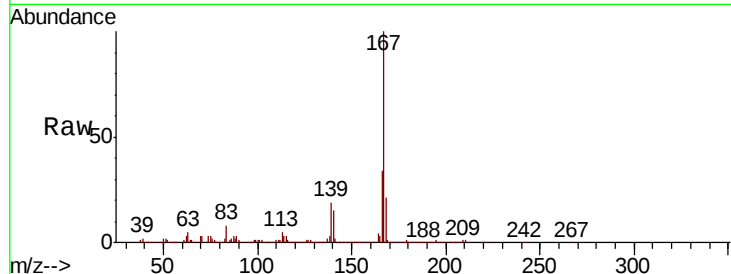




#73
 Carbazole
 Concen: 256.709 ng
 RT: 17.85 min Scan# 2513
 Delta R.T. 0.03 min
 Lab File: BG043254.D
 Acq: 16 Oct 2019 20:53

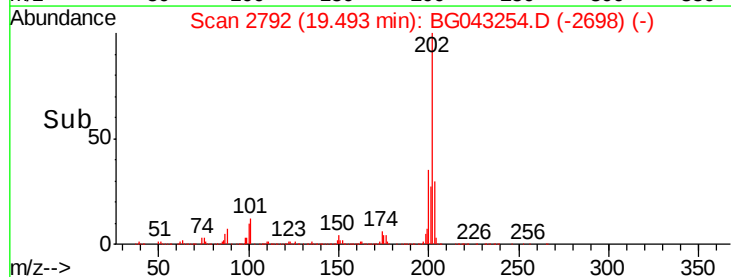
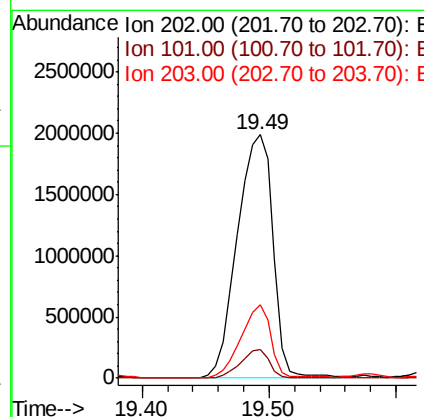
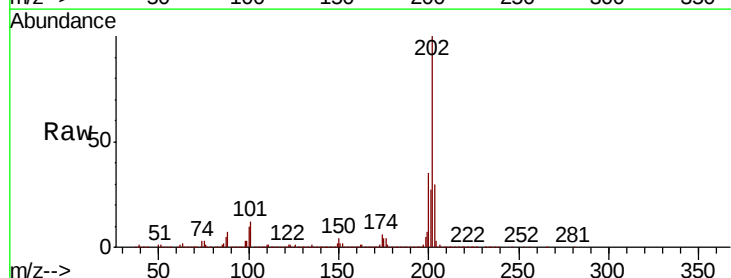
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-209

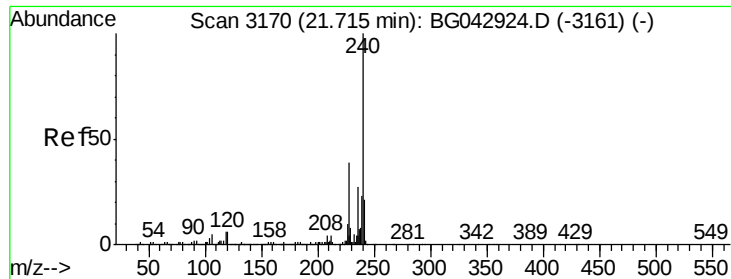
Tot Ion:167 Resp: 3715751
 Ion Ratio Lower Upper
 167 100
 166 34.3 18.6 28.0#
 139 19.2 10.8 16.2#



#75
 Fluoranthene
 Concen: 187.020 ng
 RT: 19.49 min Scan# 2792
 Delta R.T. 0.02 min
 Lab File: BG043254.D
 Acq: 16 Oct 2019 20:53

Tgt Ion:202 Resp: 3867661
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 27.3
 203 30.3 0.0 39.5

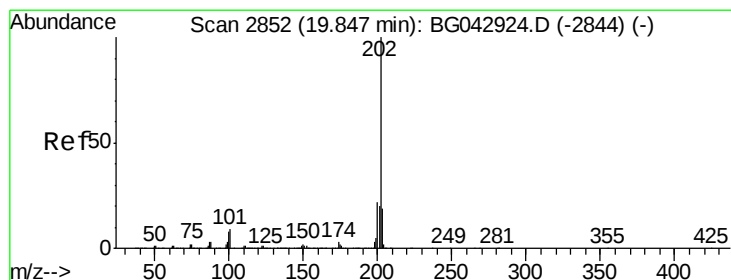
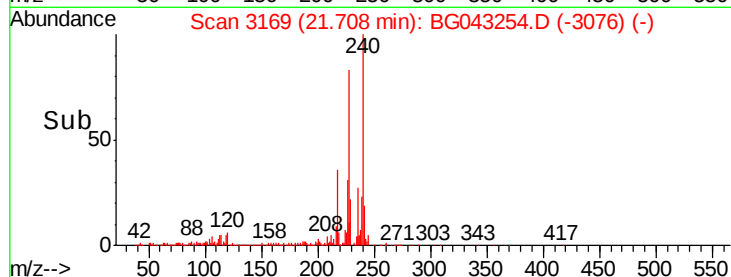
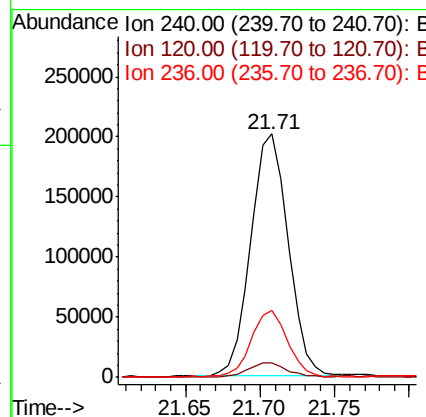
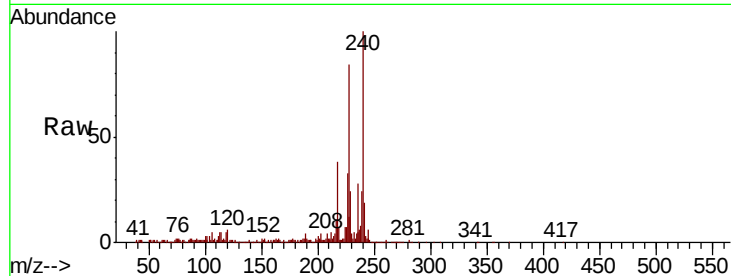




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. 0.02 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

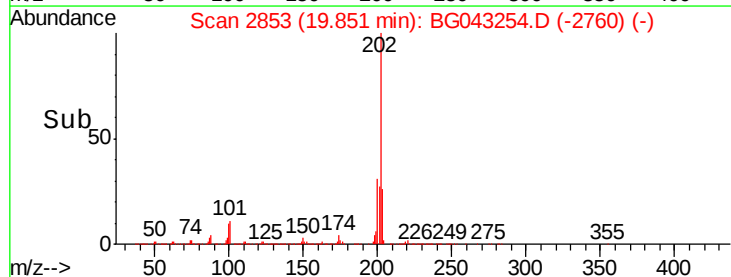
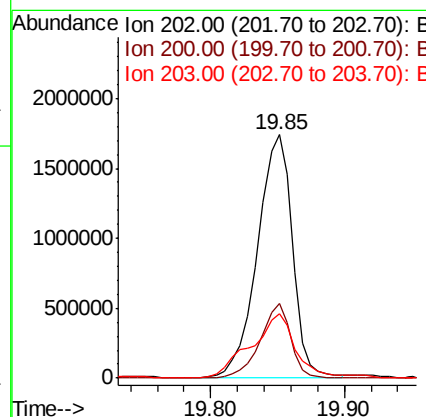
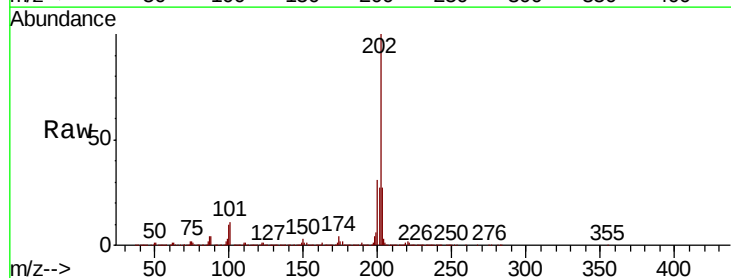
Instrument :
BNA_G
ClientSampleId :
VNJ-209

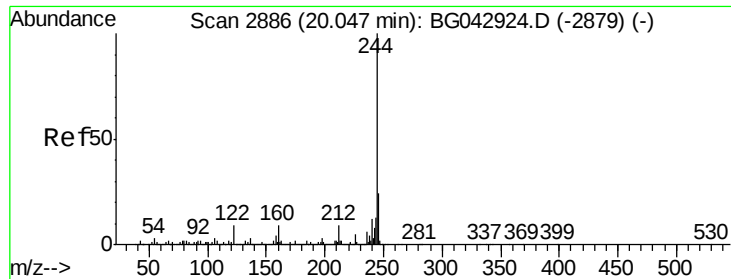
Tot Ion:240 Resp: 348633
Ion Ratio Lower Upper
240 100
120 5.7 4.8 7.2
236 27.6 21.4 32.0



#78
Pyrene
Concen: 150.860 ng
RT: 19.85 min Scan# 2853
Delta R.T. 0.02 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion:202 Resp: 3139175
Ion Ratio Lower Upper
202 100
200 30.6 17.6 26.4#
203 26.5 15.2 22.8#





#79

Terphenyl-d14

Concen: 78.902 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

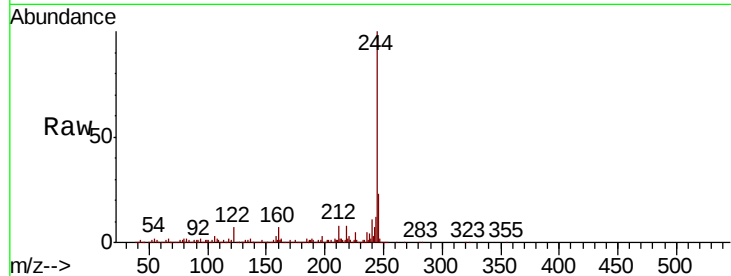
Tot Ion:244 Resp: 1290915

Ion Ratio Lower Upper

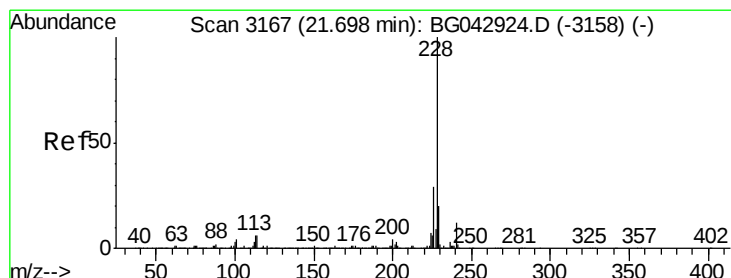
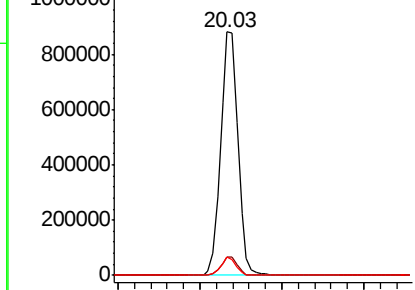
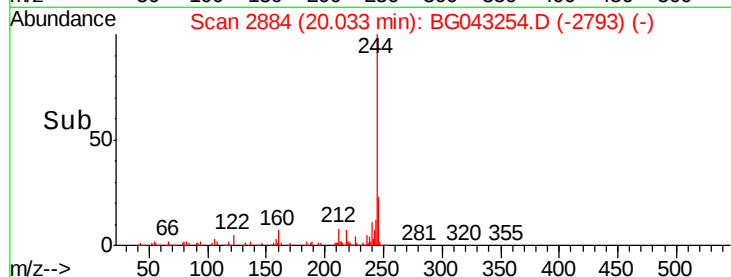
244 100

212 7.7 7.4 11.0

122 7.3 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E
1200000
Ion 212.00 (211.70 to 212.70): E
1000000
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 69.256 ng

RT: 21.68 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

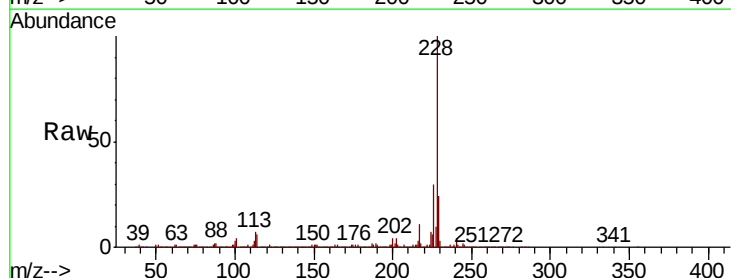
Tgt Ion:228 Resp: 1504446

Ion Ratio Lower Upper

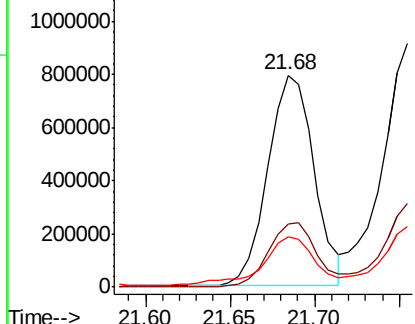
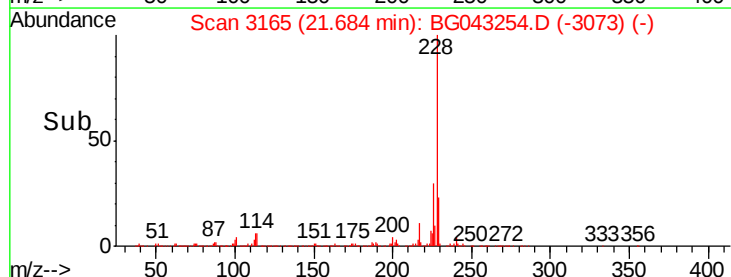
228 100

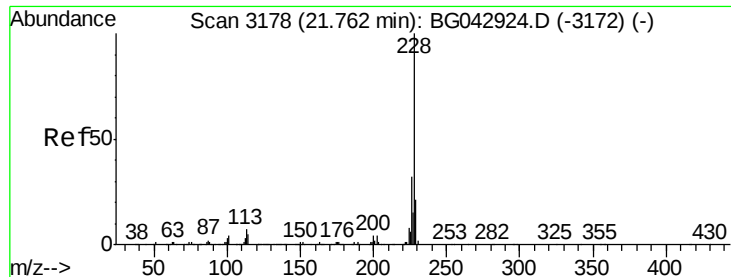
226 29.9 23.0 34.4

229 23.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
1200000
Ion 226.00 (225.70 to 226.70): E
1000000
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 78.919 ng

RT: 21.75 min Scan# 3177

Delta R.T. 0.02 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

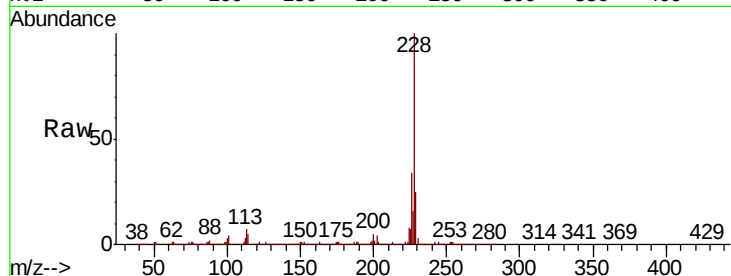
BNA_G

ClientSampleId :

VNJ-209

Tot Ion:228 Resp: 1663667

Ion	Ratio	Lower	Upper
228	100		
226	34.2	25.6	38.4
229	25.0	16.9	25.3

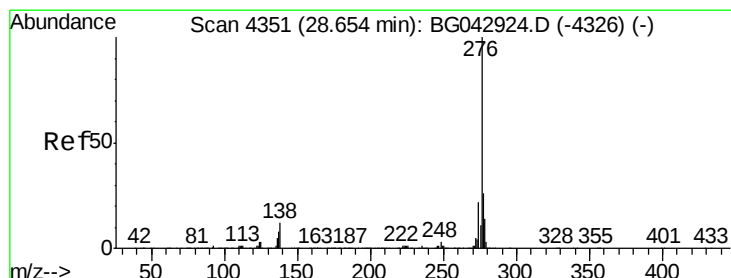
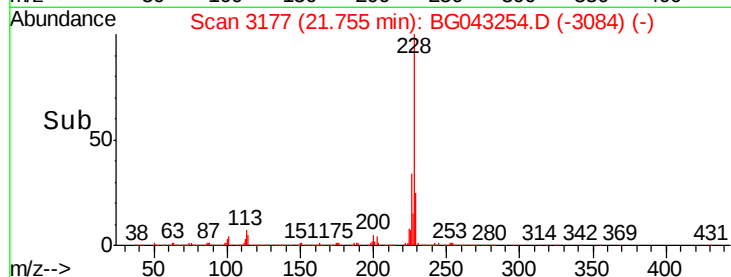
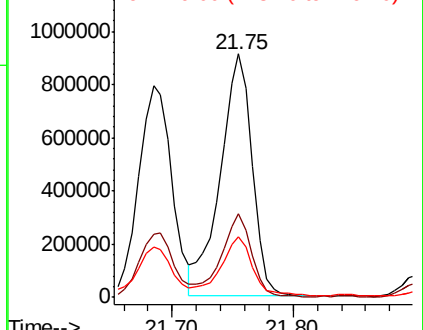


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 14.358 ng

RT: 28.61 min Scan# 4344

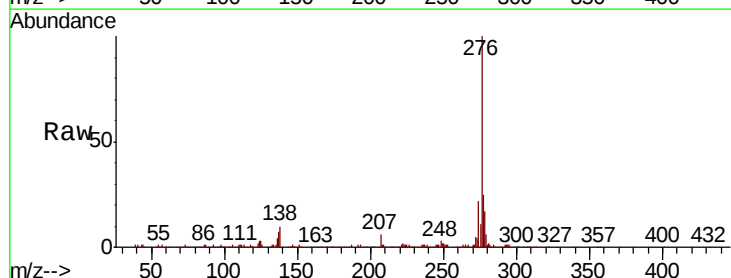
Delta R.T. 0.03 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Tgt Ion:276 Resp: 376793

Ion	Ratio	Lower	Upper
276	100		
138	11.9	7.0	10.6#
277	25.4	20.9	31.3

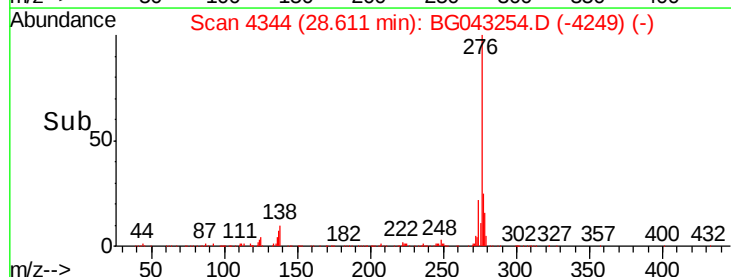
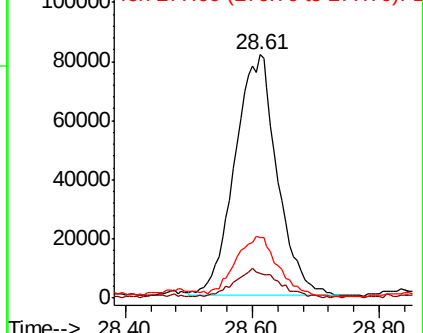


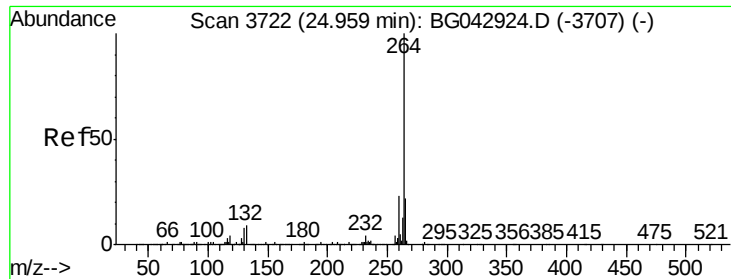
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



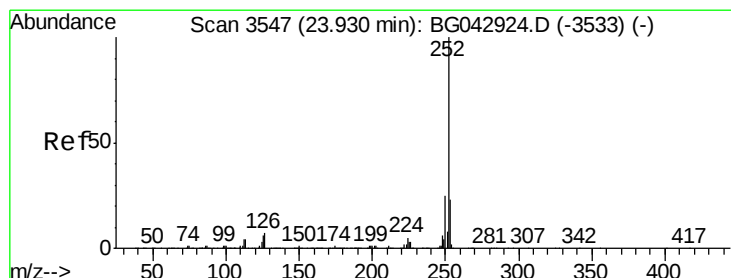
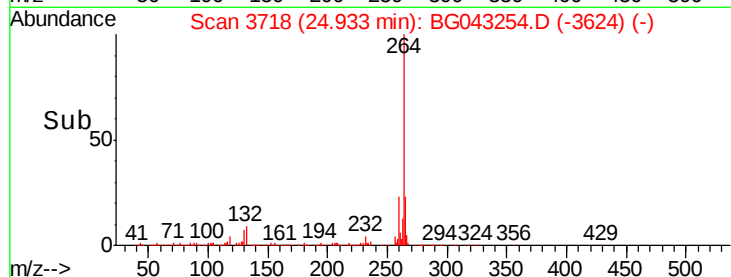
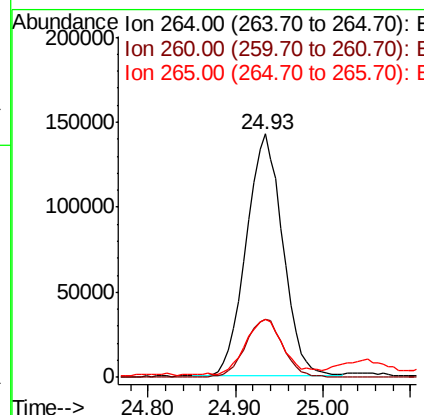
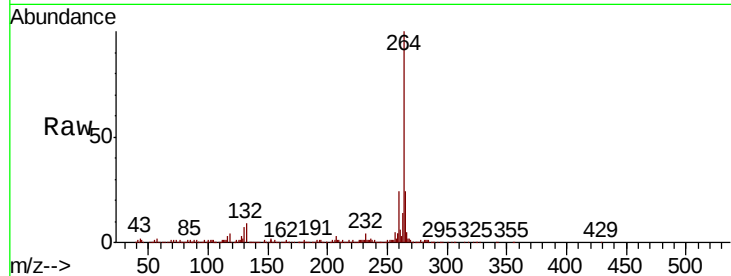


#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. 0.02 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Instrument :
BNA_G
ClientSampleId :
VNJ-209

Tot Ion:264 Resp: 405843

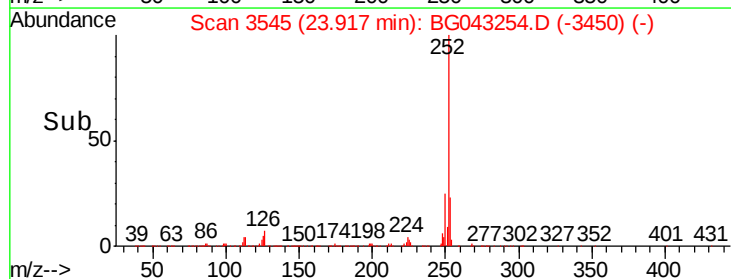
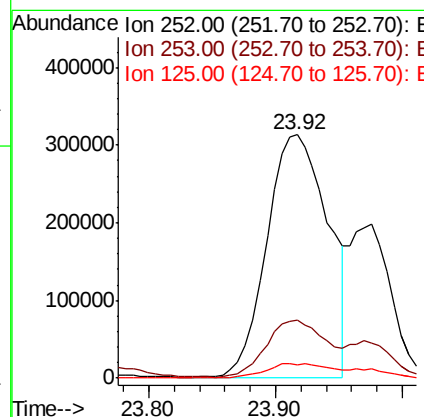
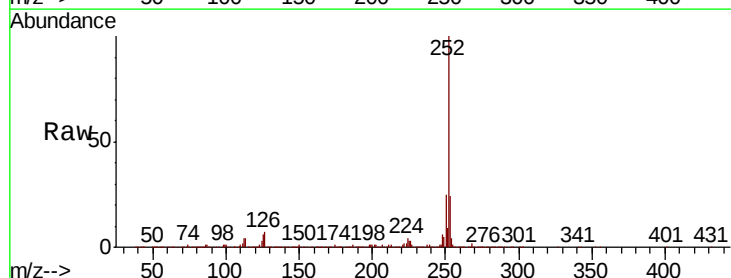
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	23.8	17.7	26.5

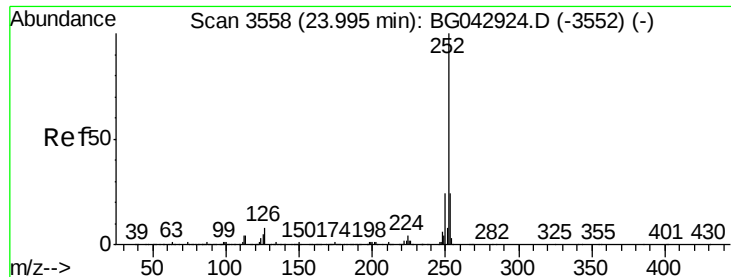


#88
Benzo(b)fluoranthene
Concen: 45.647 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.03 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion:252 Resp: 1048218

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	5.5	4.6	7.0

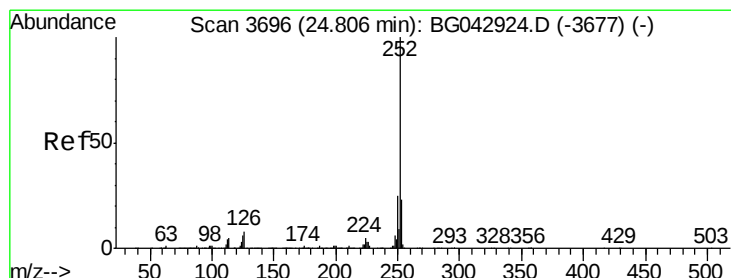
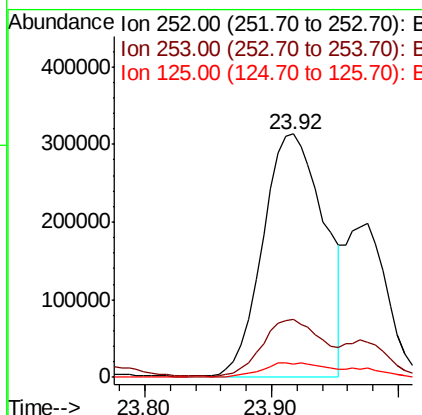
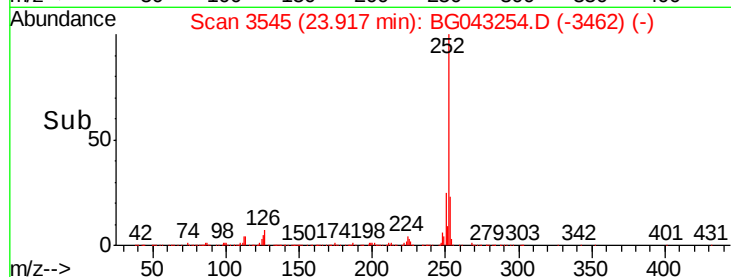
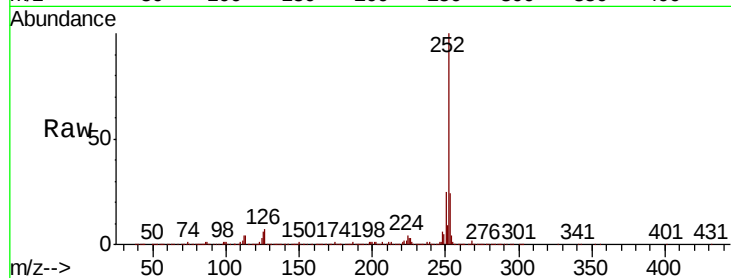




#89
Benzo(k)fluoranthene
Concen: 46.142 ng
RT: 23.92 min Scan# 3545
Delta R.T. -0.04 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

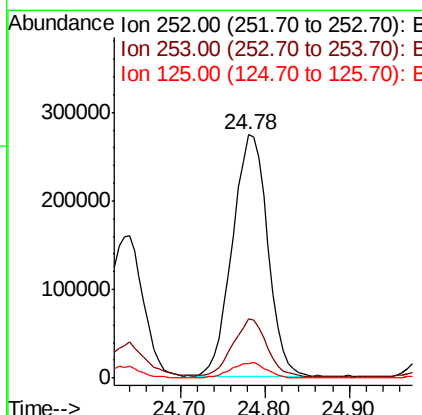
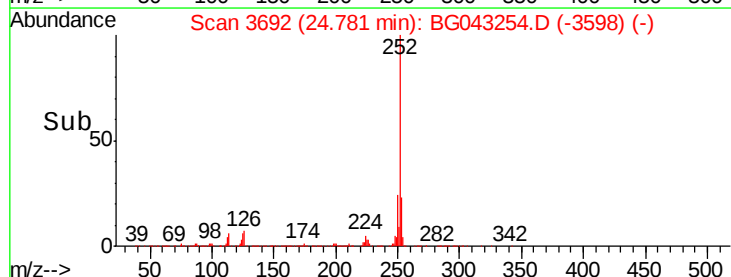
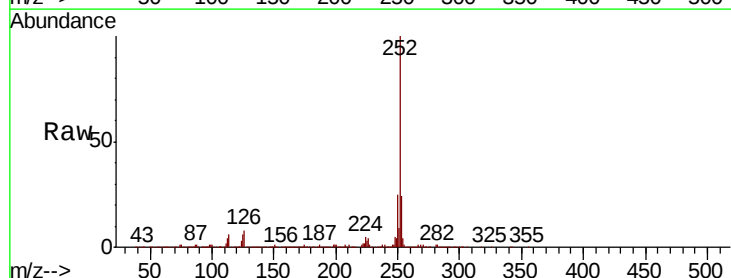
Instrument :
BNA_G
ClientSampleId :
VNJ-209

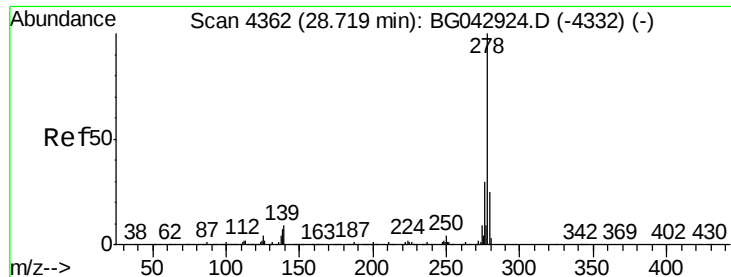
Tot Ion:252 Resp: 1048218
Ion Ratio Lower Upper
252 100
253 23.8 18.9 28.3
125 5.5 4.5 6.7



#90
Benzo(a)pyrene
Concen: 36.535 ng
RT: 24.78 min Scan# 3692
Delta R.T. 0.02 min
Lab File: BG043254.D
Acq: 16 Oct 2019 20:53

Tgt Ion:252 Resp: 791549
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.4
125 6.0 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 4.907 ng

RT: 28.66 min Scan# 4352

Delta R.T. 0.02 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

Instrument :

BNA_G

ClientSampleId :

VNJ-209

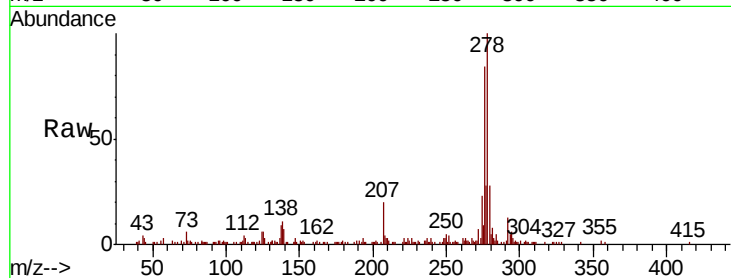
Tot Ion:278 Resp: 109012

Ion Ratio Lower Upper

278 100

139 7.4 6.8 10.2

279 28.2 20.1 30.1

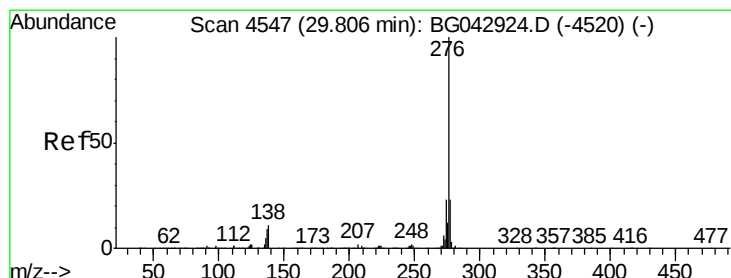
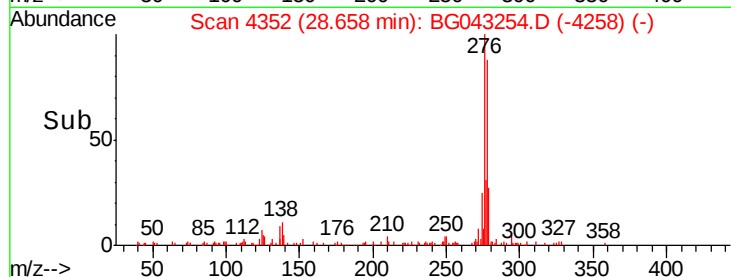
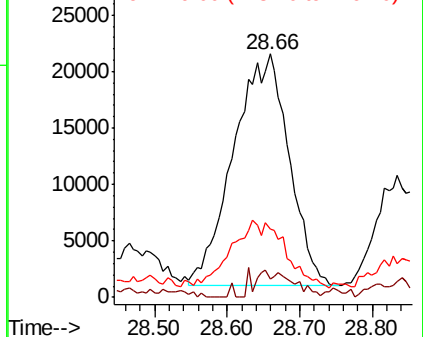


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 15.184 ng

RT: 29.75 min Scan# 4538

Delta R.T. 0.03 min

Lab File: BG043254.D

Acq: 16 Oct 2019 20:53

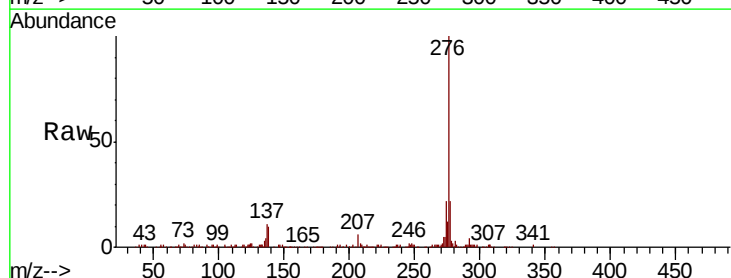
Tgt Ion:276 Resp: 326855

Ion Ratio Lower Upper

276 100

277 21.6 18.4 27.6

138 10.3 8.6 12.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

