

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
 Data File : BG054796.D
 Acq On : 30 Aug 2022 19:26
 Operator : CG/JU
 Sample : N4397-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-216

Quant Time: Aug 31 02:09:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

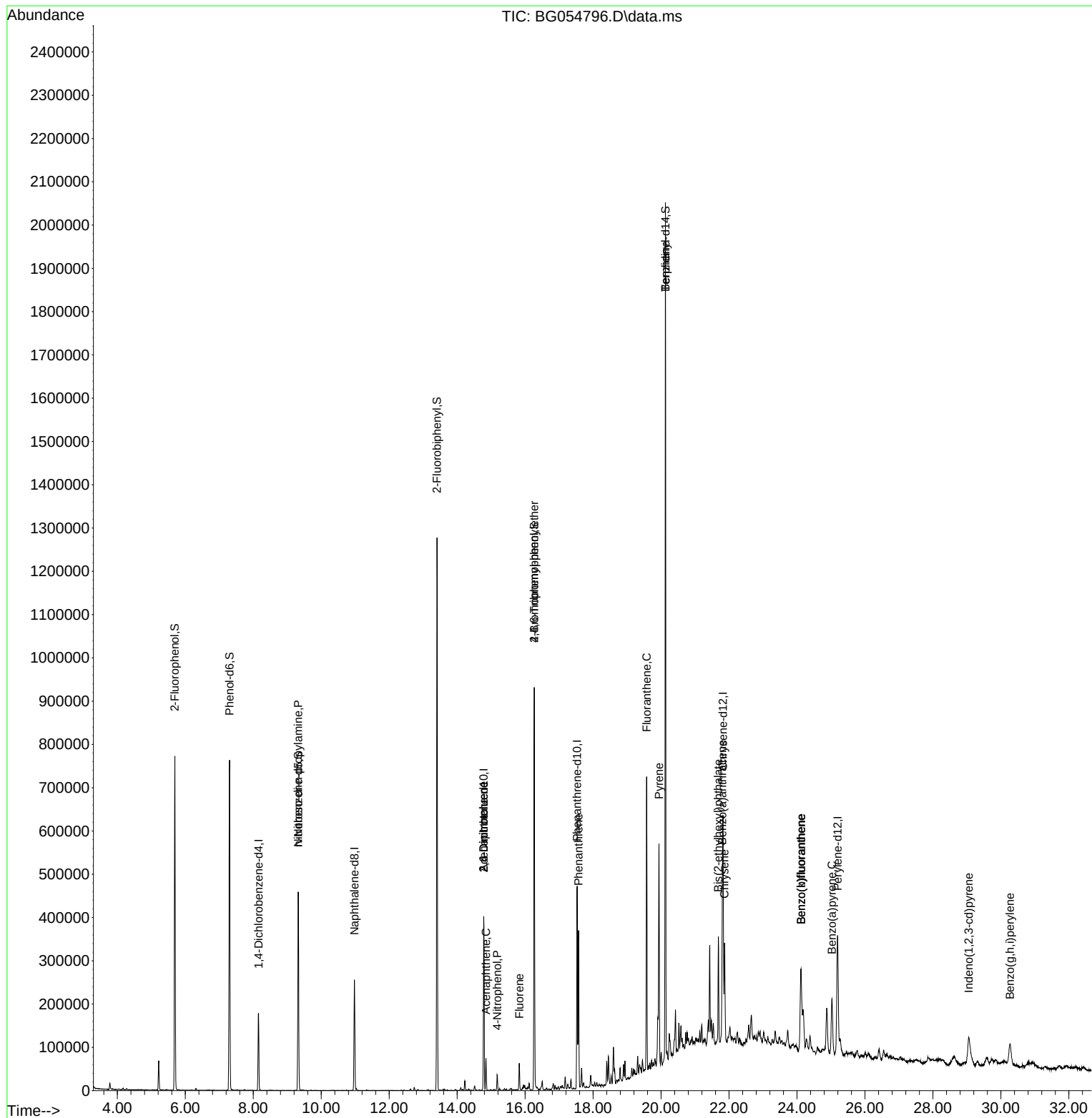
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	55690	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	229839	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	145115	20.000	ng	0.00
64) Phenanthrene-d10	17.530	188	309208	20.000	ng	0.00
76) Chrysene-d12	21.819	240	283507	20.000	ng	0.00
86) Perylene-d12	25.192	264	300640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	354536	110.859	ng	0.00
7) Phenol-d6	7.301	99	481407	110.070	ng	0.00
23) Nitrobenzene-d5	9.322	82	292033	66.702	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	189824	104.684	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	678717	70.297	ng	0.00
79) Terphenyl-d14	20.127	244	965665	67.489	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.322	70	36540	12.149	ng	# 78
51) 2,6-Dinitrotoluene	14.781	165	20128	8.802	ng	# 22
52) Acenaphthene	14.845	154	27268	3.143	ng	98
56) 4-Nitrophenol	15.174	139	8298	4.189	ng	# 8
57) 2,4-Dinitrotoluene	14.781	165	20128	6.364	ng	# 20
58) Fluorene	15.826	166	29440	2.741	ng	97
67) 4-Bromophenyl-phenylether	16.267	248	12306	3.625	ng	# 1
71) Phenanthrene	17.572	178	231158	14.034	ng	98
75) Fluoranthene	19.575	202	421100	21.015	ng	98
77) Benzidine	20.127	184	14591	2.078	ng	# 91
78) Pyrene	19.939	202	339027	17.150	ng	99
81) Benzo(a)anthracene	21.802	228	168210	8.751	ng	99
83) Chrysene	21.866	228	173551	9.443	ng	97
84) Bis(2-ethylhexyl)phtha...	21.684	149	101348	8.531	ng	99
87) Indeno(1,2,3-cd)pyrene	29.052	276	115373	5.055	ng	# 97
88) Benzo(b)fluoranthene	24.117	252	241471	12.804	ng	98
89) Benzo(k)fluoranthene	24.117	252	241471	12.722	ng	97
90) Benzo(a)pyrene	25.027	252	148399	9.210	ng	98
92) Benzo(g,h,i)perylene	30.263	276	112494	5.989	ng	97

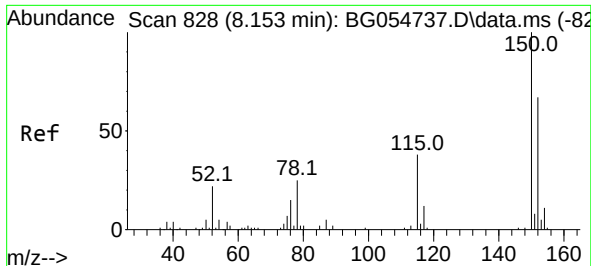
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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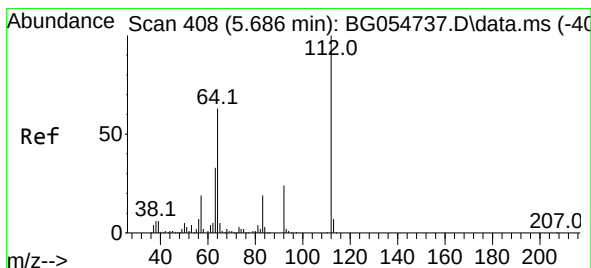
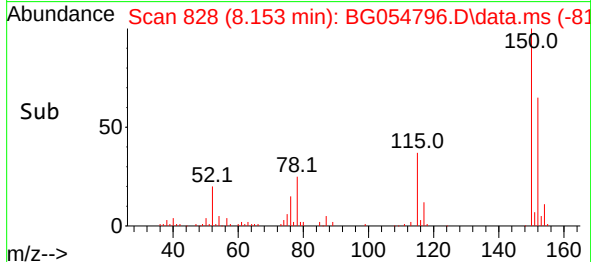
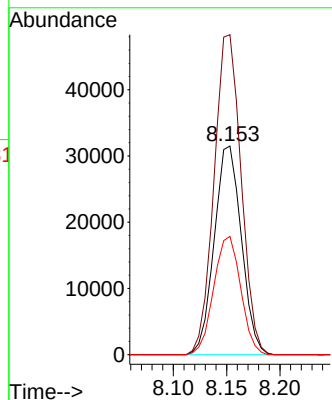
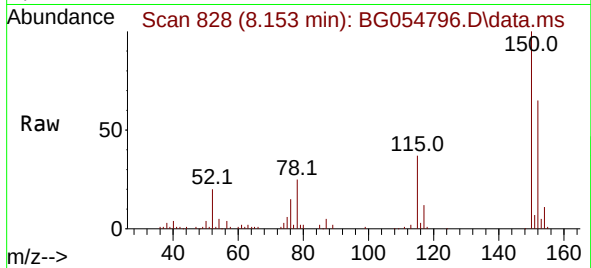




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

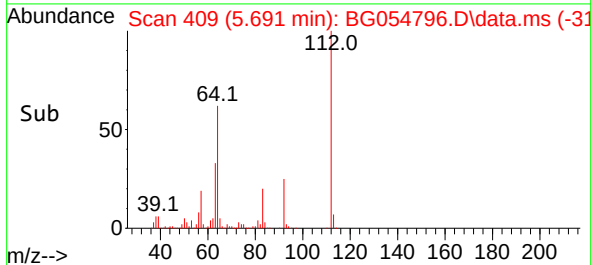
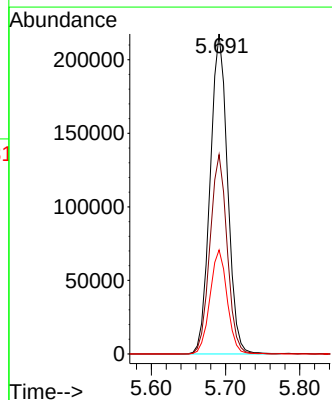
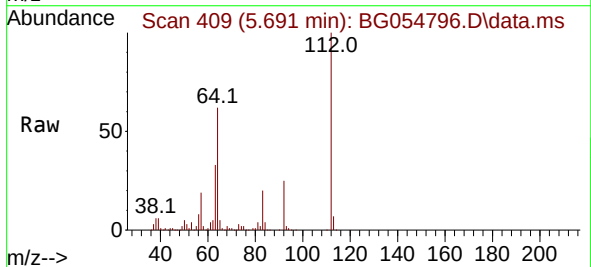
Instrument :
BNA_G
ClientSampleId :
VNJ-216

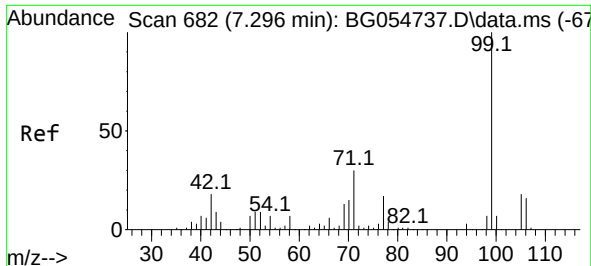
Tgt Ion:152 Resp: 55690
Ion Ratio Lower Upper
152 100
150 153.3 125.2 187.8
115 56.7 47.9 71.9



#5
2-Fluorophenol
Concen: 110.859 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:112 Resp: 354536
Ion Ratio Lower Upper
112 100
64 62.3 49.3 73.9
63 32.5 26.3 39.5

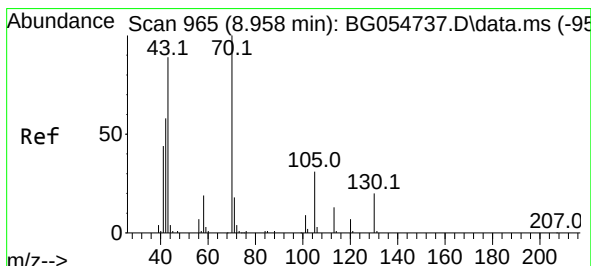
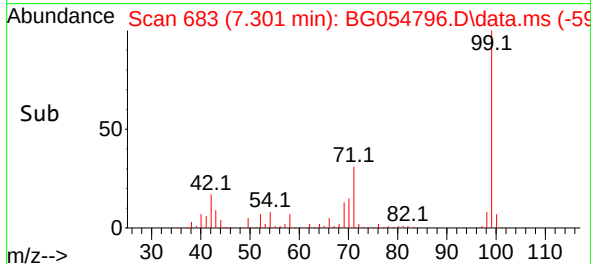
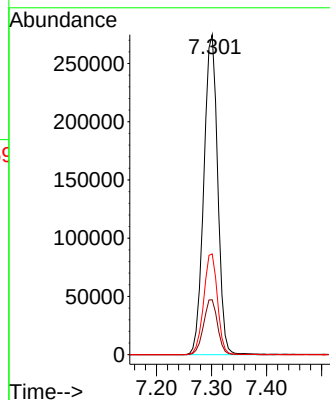
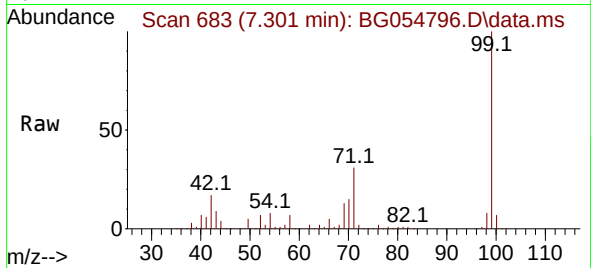




#7
Phenol-d6
Concen: 110.070 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

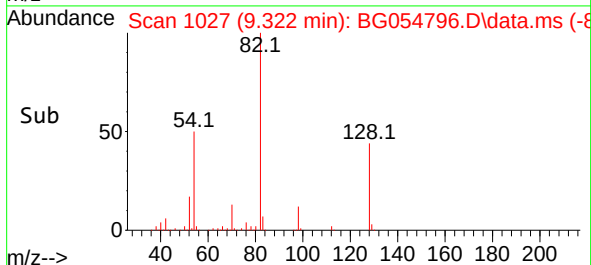
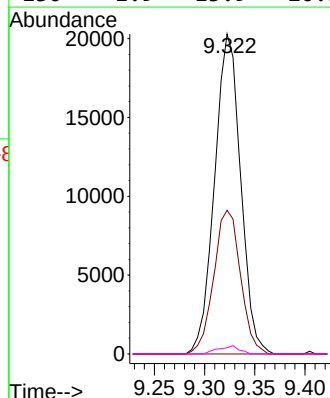
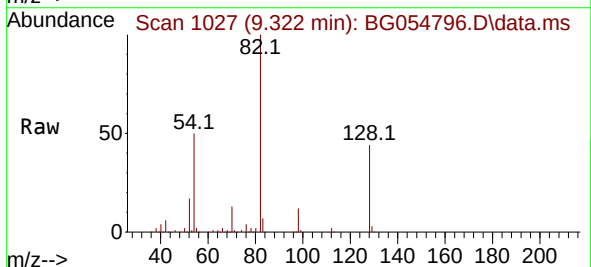
Instrument :
BNA_G
ClientSampleId :
VNJ-216

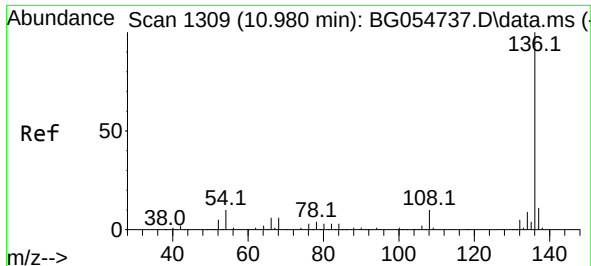
Tgt Ion: 99 Resp: 481407
Ion Ratio Lower Upper
99 100
42 17.2 14.6 22.0
71 31.5 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.149 ng
RT: 9.322 min Scan# 1027
Delta R.T. 0.364 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion: 70 Resp: 36540
Ion Ratio Lower Upper
70 100
42 44.9 46.6 69.8#
101 0.0 7.7 11.5#
130 1.9 13.9 20.9#

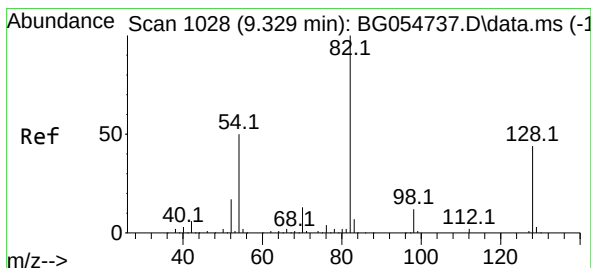
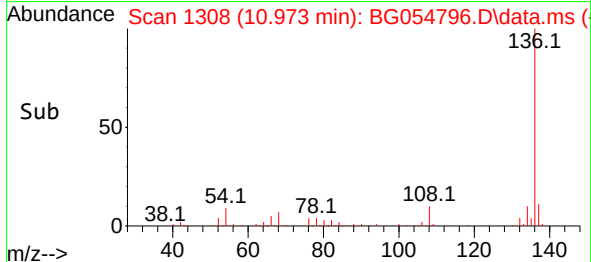
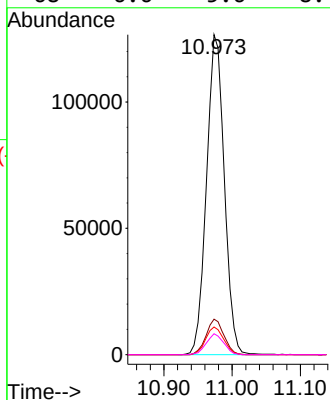
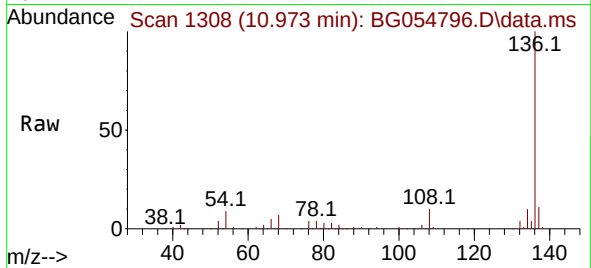




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

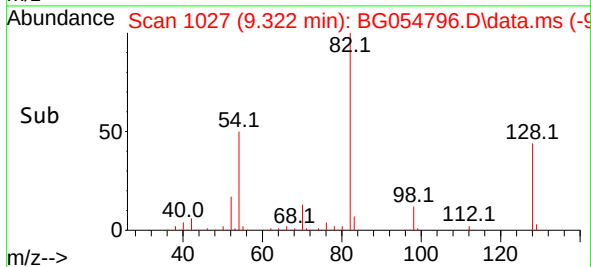
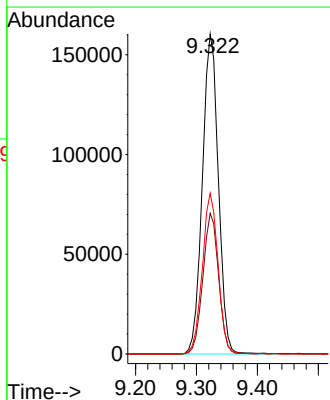
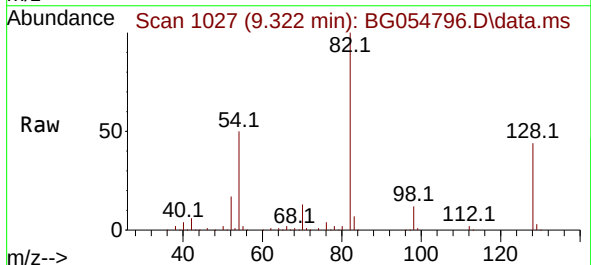
Instrument :
BNA_G
ClientSampleId :
VNJ-216

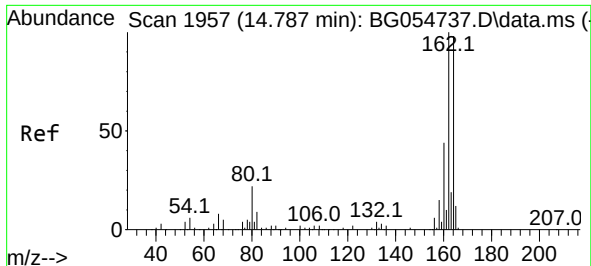
Tgt Ion:	136	Resp:	229839
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	8.7	7.7	11.5
68	6.6	5.6	8.4



#23
Nitrobenzene-d5
Concen: 66.702 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:	82	Resp:	292033
Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.2	48.2
54	50.2	41.4	62.0

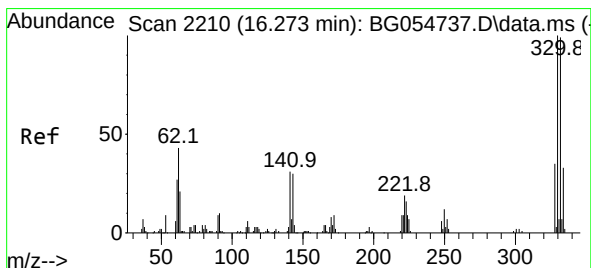
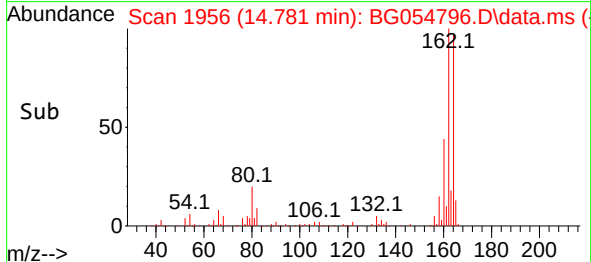
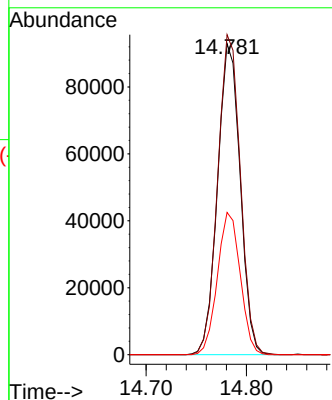
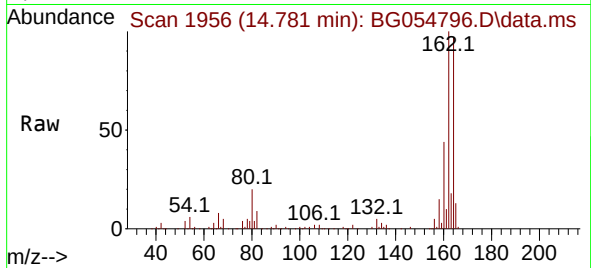




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.781 min Scan# 1957
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

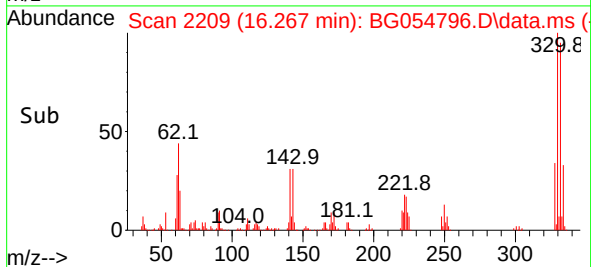
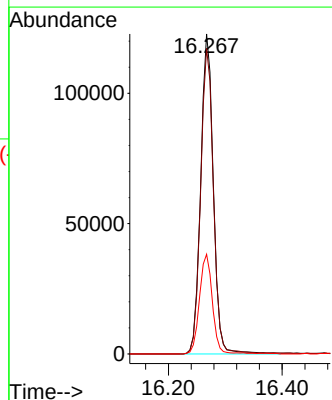
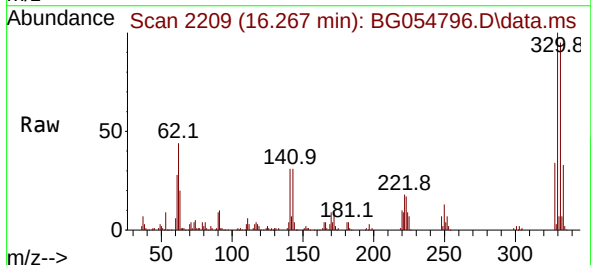
Instrument :
BNA_G
ClientSampleId :
VNJ-216

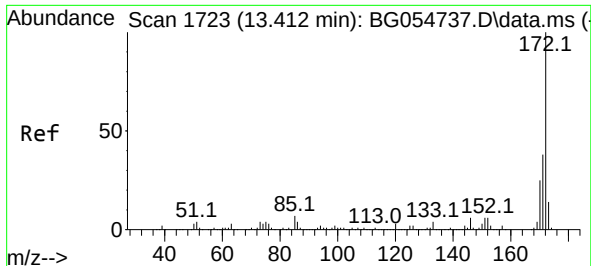
Tgt Ion:164 Resp: 145115
Ion Ratio Lower Upper
164 100
162 102.9 83.0 124.4
160 45.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 104.684 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:330 Resp: 189824
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 31.5 26.8 40.2

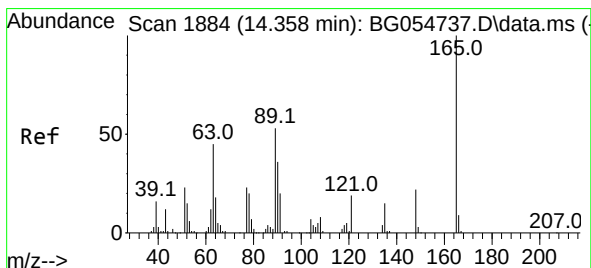
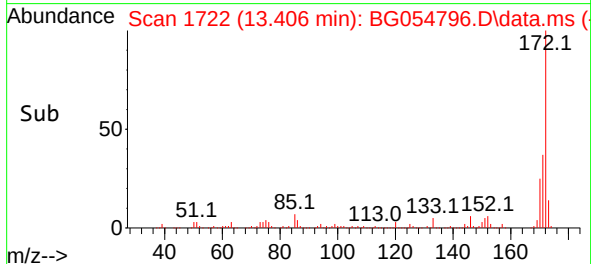
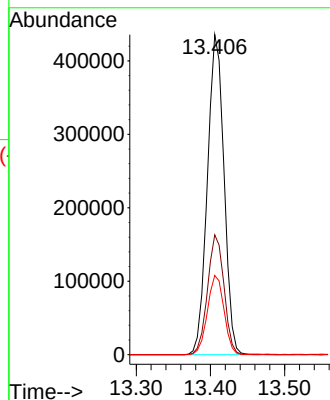
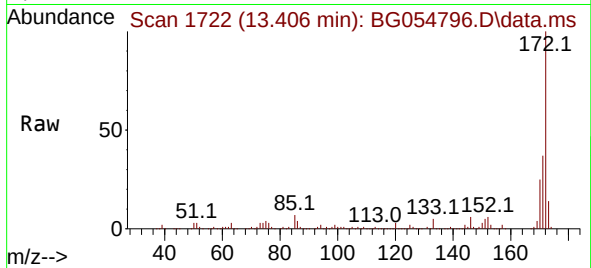




#45
2-Fluorobiphenyl
Concen: 70.297 ng
RT: 13.406 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

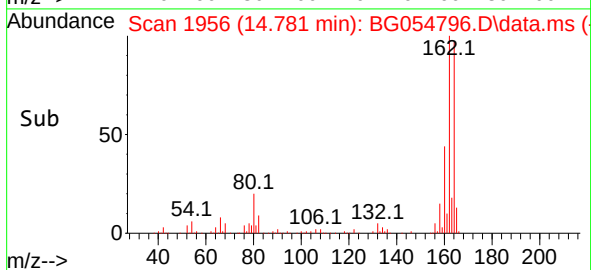
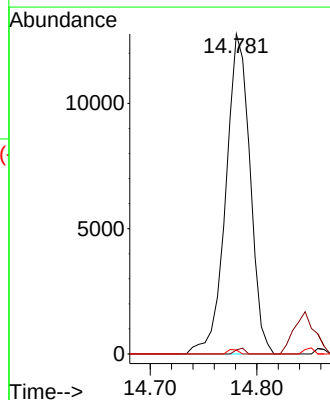
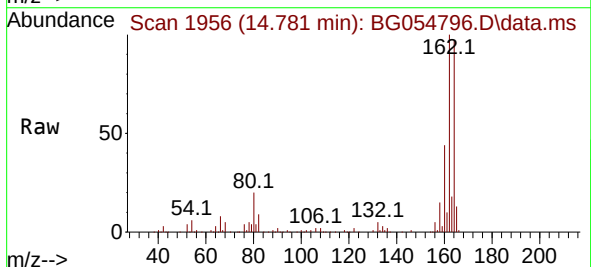
Instrument :
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ClientSampleId :
VNJ-216

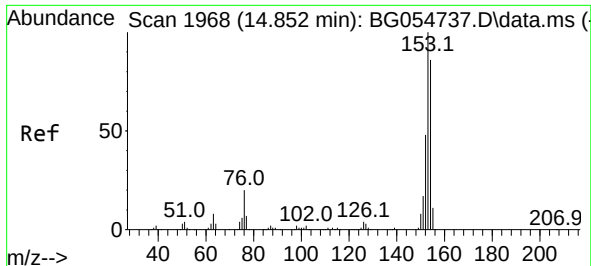
Tgt Ion:172 Resp: 678717
Ion Ratio Lower Upper
172 100
171 37.4 31.2 46.8
170 24.8 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.802 ng
RT: 14.781 min Scan# 1956
Delta R.T. 0.423 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:165 Resp: 20128
Ion Ratio Lower Upper
165 100
63 1.3 46.0 69.0#
89 1.3 50.3 75.5#

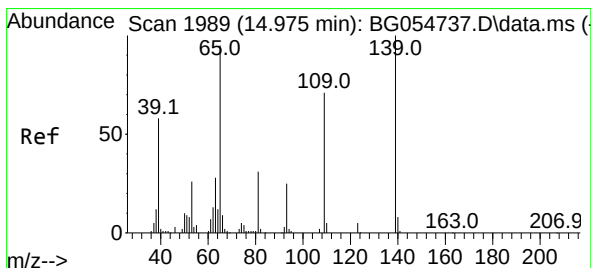
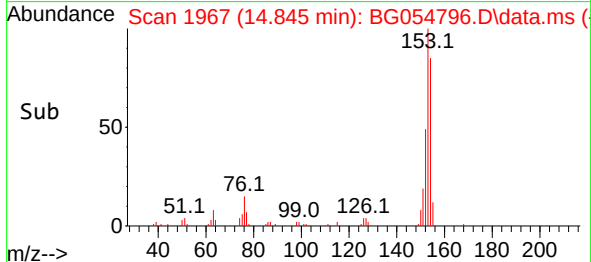
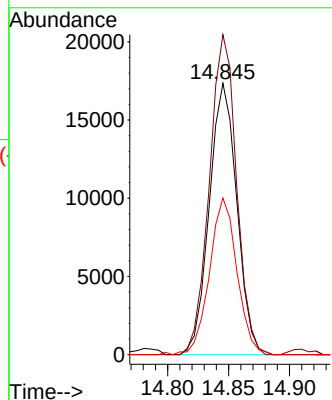
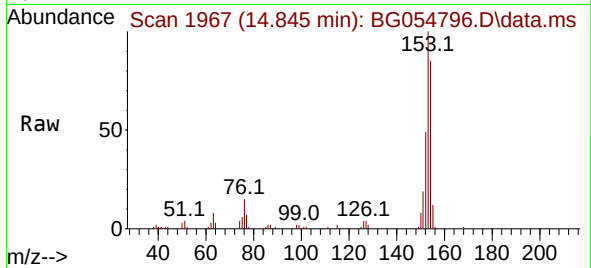




#52
Acenaphthene
Concen: 3.143 ng
RT: 14.845 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

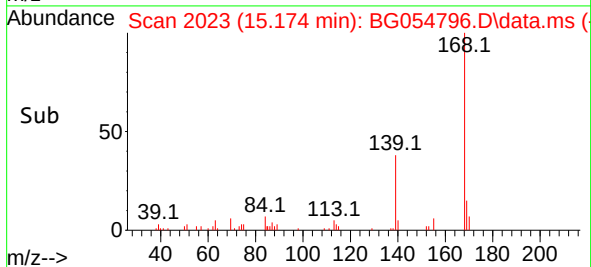
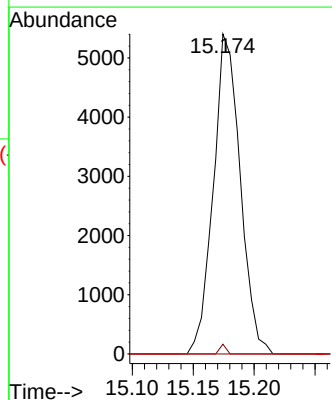
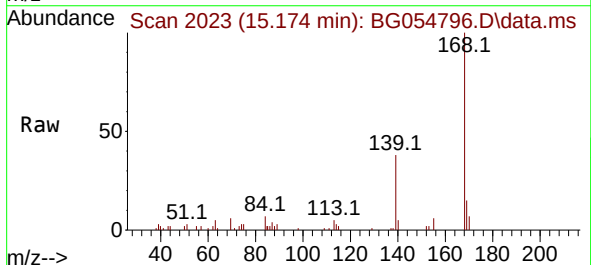
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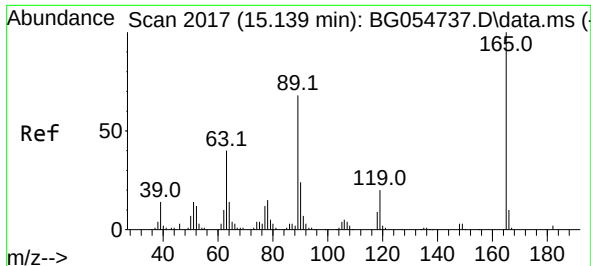
Tgt Ion:154 Resp: 27268
Ion Ratio Lower Upper
154 100
153 117.9 92.8 139.2
152 57.7 45.4 68.2



#56
4-Nitrophenol
Concen: 4.189 ng
RT: 15.174 min Scan# 2023
Delta R.T. 0.199 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:139 Resp: 8298
Ion Ratio Lower Upper
139 100
109 3.1 50.5 90.5#
65 0.0 79.9 119.9#





#57

2,4-Dinitrotoluene

Concen: 6.364 ng

RT: 14.781 min Scan# 1956

Delta R.T. -0.359 min

Lab File: BG054796.D

Acq: 30 Aug 2022 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-216

Tgt Ion:165 Resp: 20128

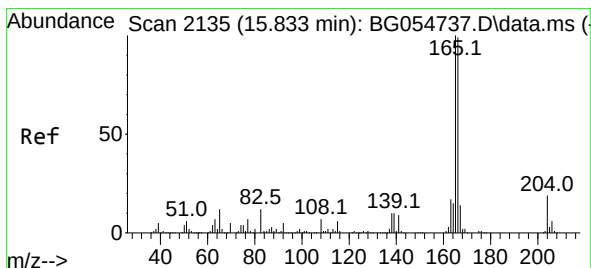
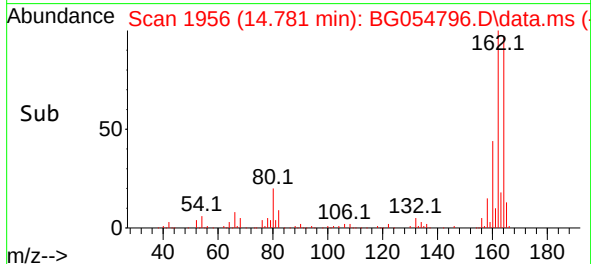
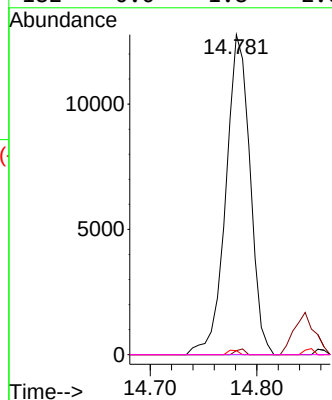
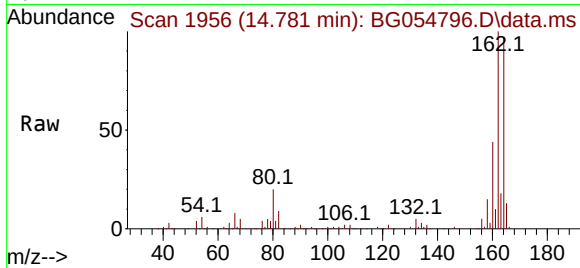
Ion Ratio Lower Upper

165 100

63 1.3 36.8 55.2#

89 1.3 64.3 96.5#

182 0.0 1.8 2.6#



#58

Fluorene

Concen: 2.741 ng

RT: 15.826 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BG054796.D

Acq: 30 Aug 2022 19:26

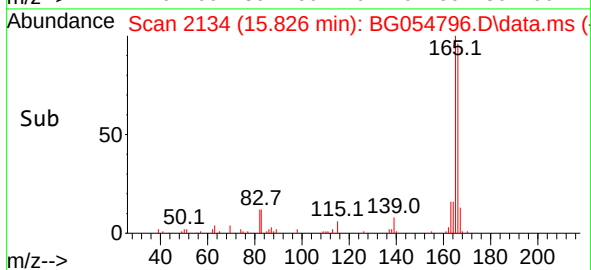
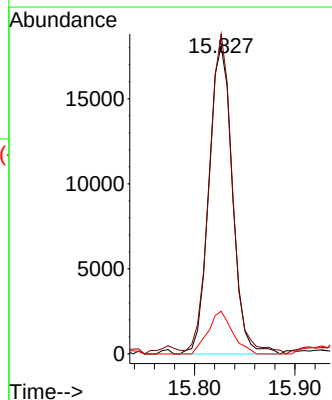
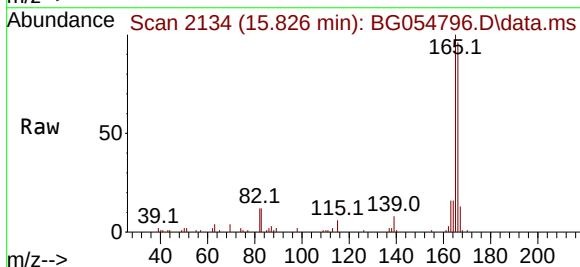
Tgt Ion:166 Resp: 29440

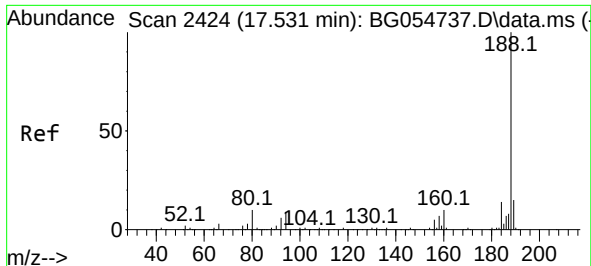
Ion Ratio Lower Upper

166 100

165 103.9 80.8 121.2

167 13.9 11.4 17.0

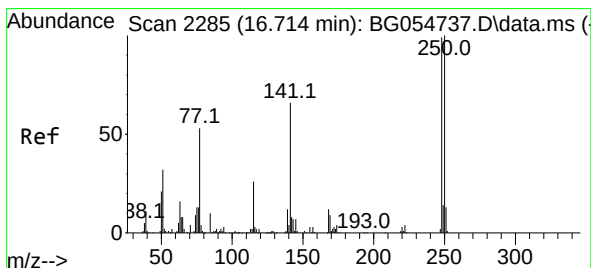
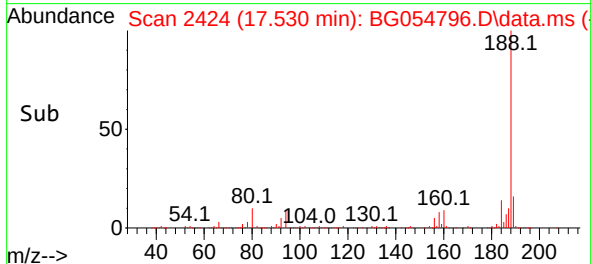
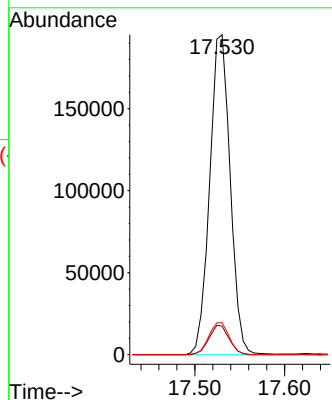
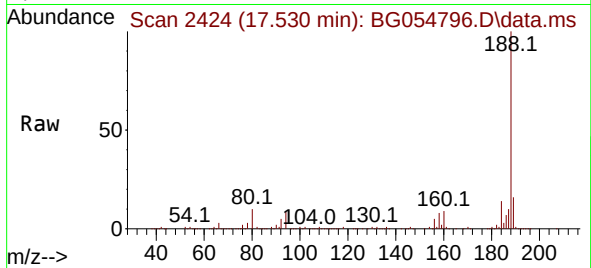




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.530 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

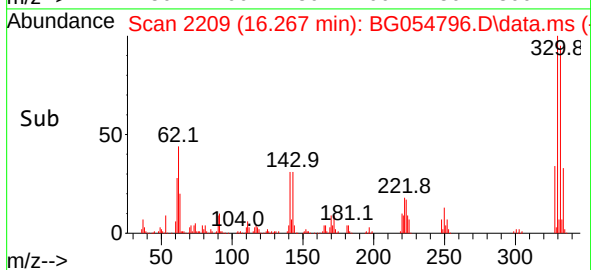
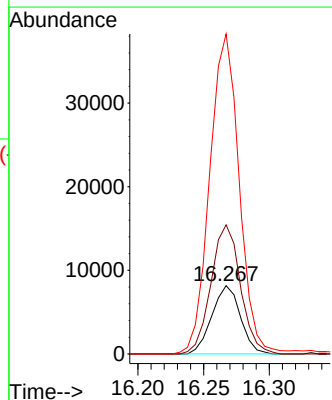
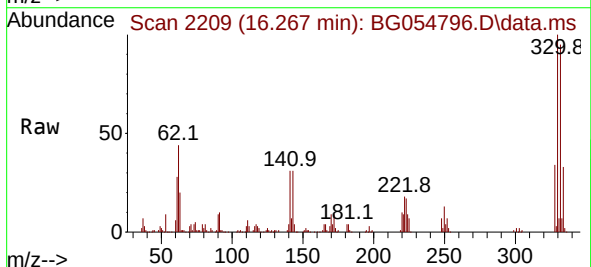
Instrument :
BNA_G
ClientSampleId :
VNJ-216

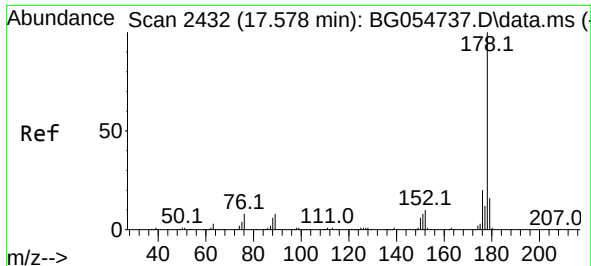
Tgt Ion:188 Resp: 309208
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 10.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.625 ng
RT: 16.267 min Scan# 2209
Delta R.T. -0.447 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:248 Resp: 12306
Ion Ratio Lower Upper
248 100
250 189.0 78.8 118.2#
141 468.0 51.9 77.9#

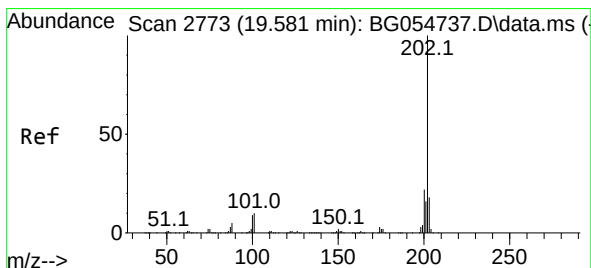
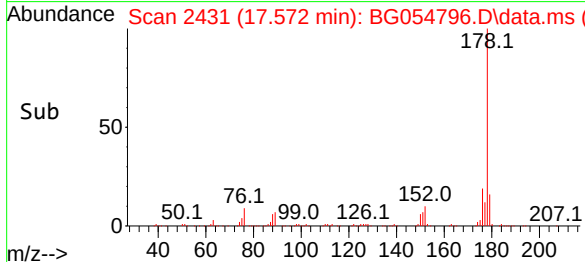
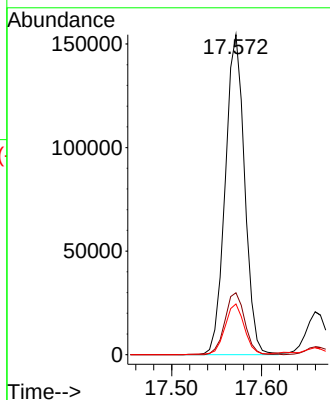
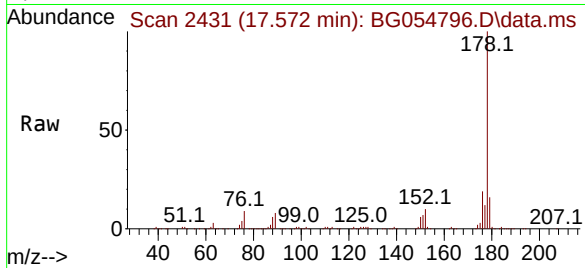




#71
Phenanthrene
Concen: 14.034 ng
RT: 17.572 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

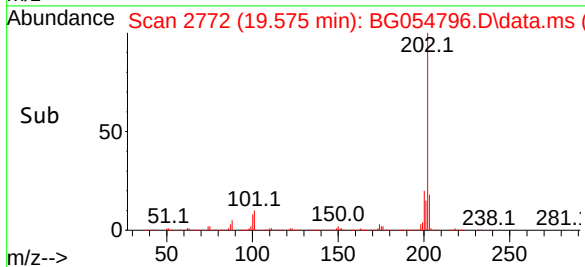
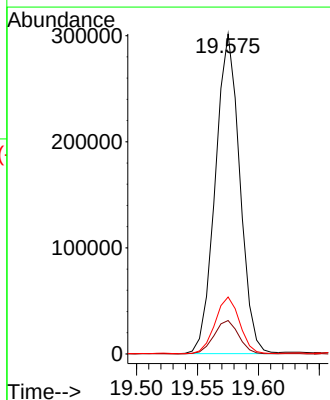
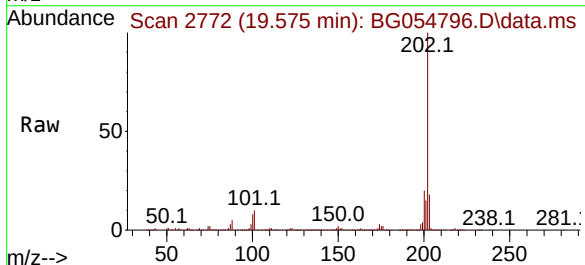
Instrument :
BNA_G
ClientSampleId :
VNJ-216

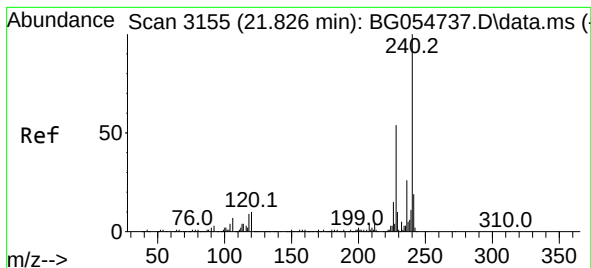
Tgt Ion:178 Resp: 231158
Ion Ratio Lower Upper
178 100
176 19.3 16.6 25.0
179 15.9 12.8 19.2



#75
Fluoranthene
Concen: 21.015 ng
RT: 19.575 min Scan# 2772
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:202 Resp: 421100
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 17.8 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.819 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG054796.D

Acq: 30 Aug 2022 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-216

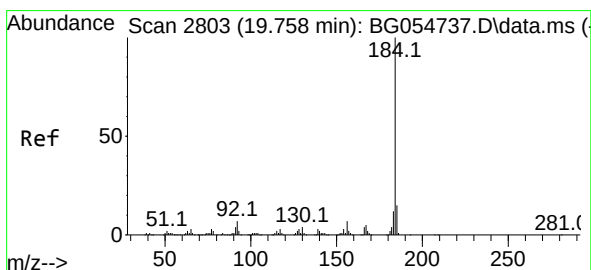
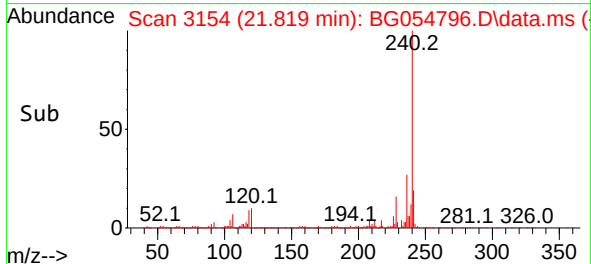
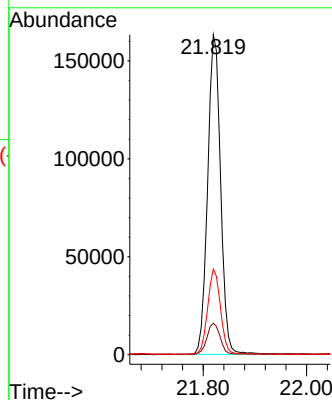
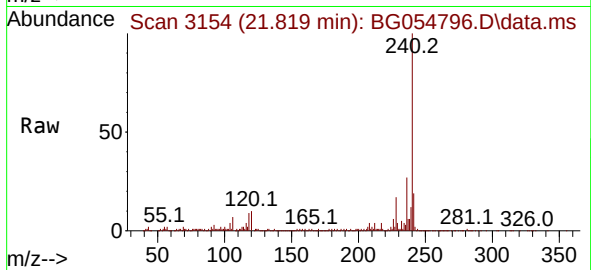
Tgt Ion:240 Resp: 283507

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.4

236 26.8 21.2 31.8



#77

Benzidine

Concen: 2.078 ng

RT: 20.127 min Scan# 2866

Delta R.T. 0.370 min

Lab File: BG054796.D

Acq: 30 Aug 2022 19:26

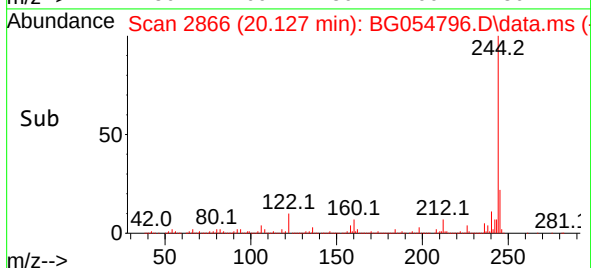
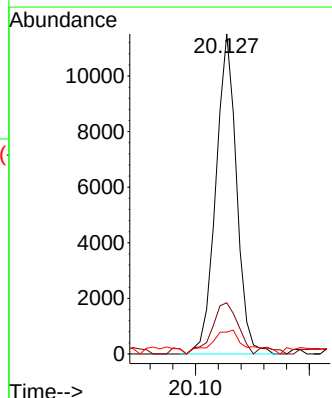
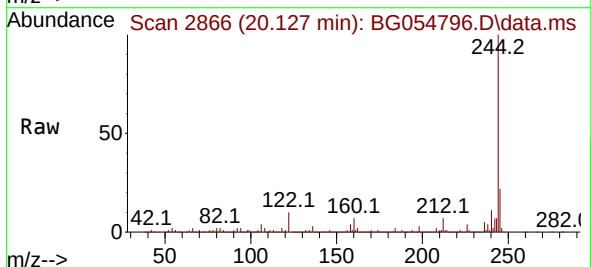
Tgt Ion:184 Resp: 14591

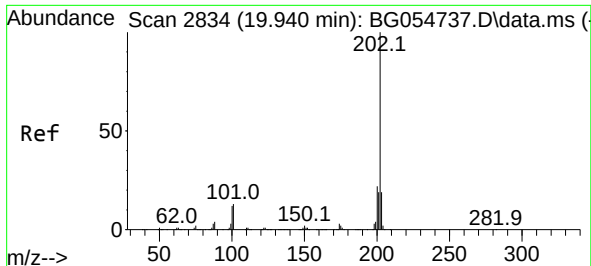
Ion Ratio Lower Upper

184 100

185 16.0 11.4 17.0

183 6.9 9.8 14.8#

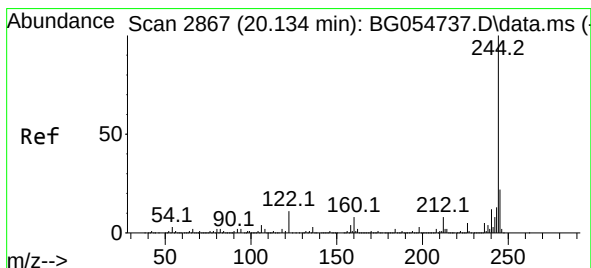
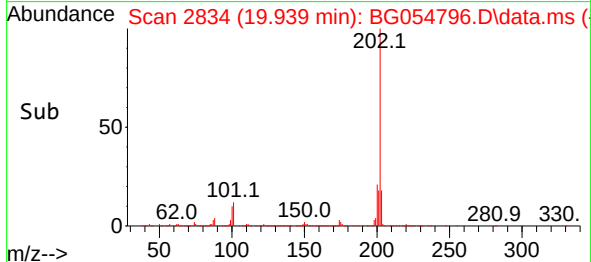
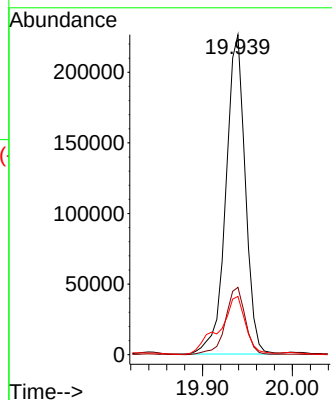
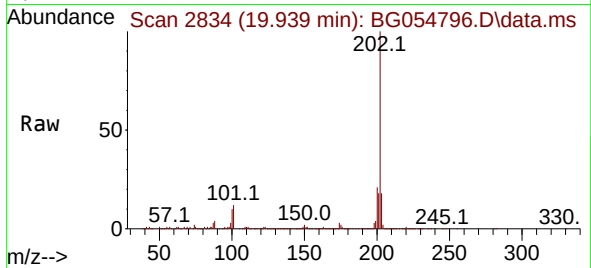




#78
 Pyrene
 Concen: 17.150 ng
 RT: 19.939 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BG054796.D
 Acq: 30 Aug 2022 19:26

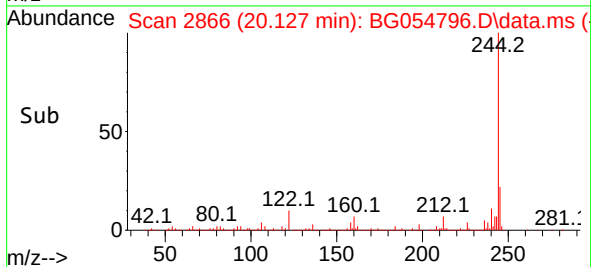
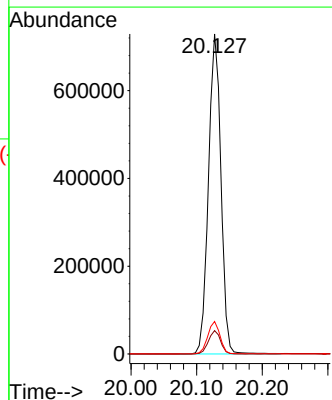
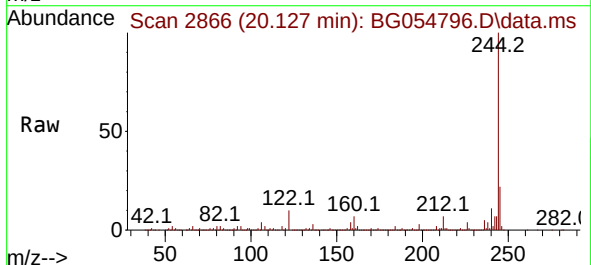
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-216

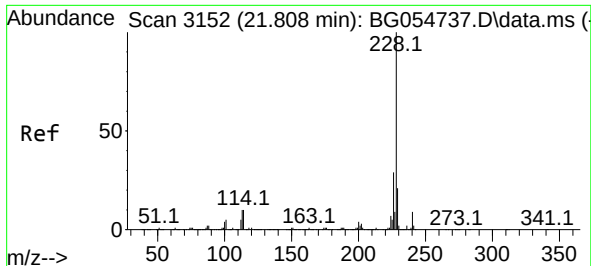
Tgt Ion:202 Resp: 339027
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.8 26.6
 203 18.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 67.489 ng
 RT: 20.127 min Scan# 2866
 Delta R.T. -0.006 min
 Lab File: BG054796.D
 Acq: 30 Aug 2022 19:26

Tgt Ion:244 Resp: 965665
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 10.1 9.0 13.6

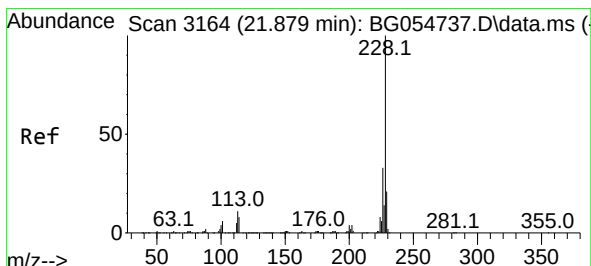
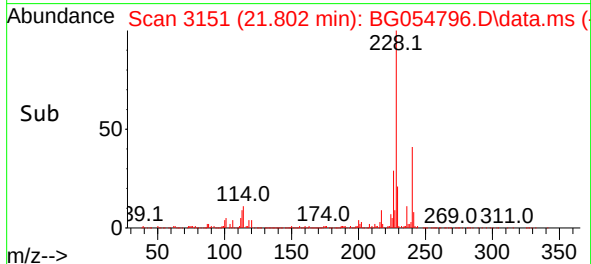
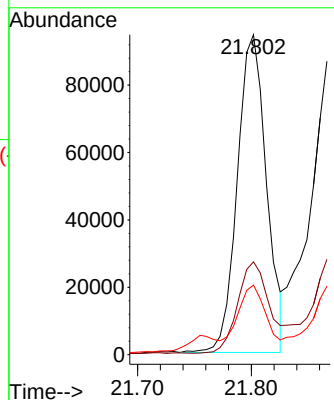
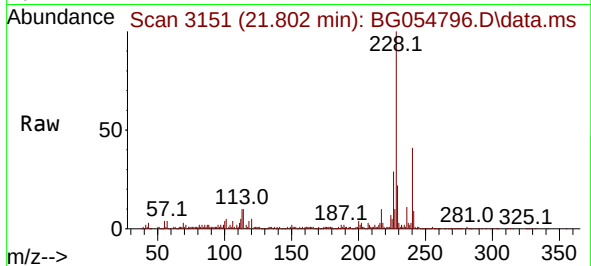




#81
Benzo(a)anthracene
Concen: 8.751 ng
RT: 21.802 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

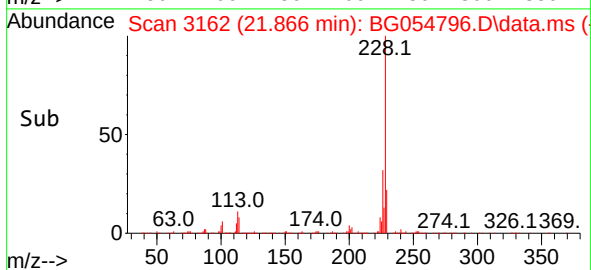
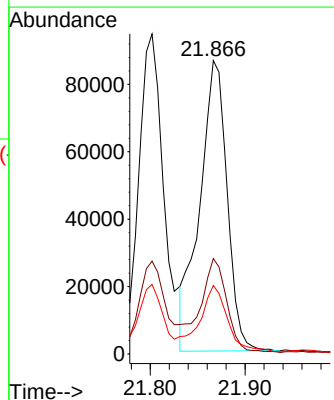
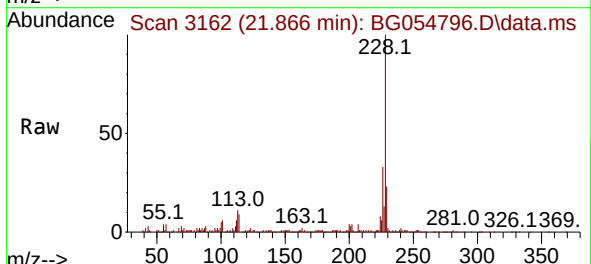
Instrument :
BNA_G
ClientSampleId :
VNJ-216

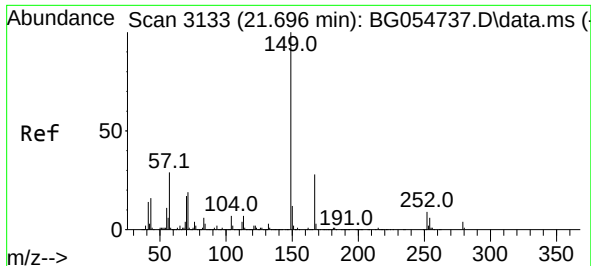
Tgt Ion:228 Resp: 168210
Ion Ratio Lower Upper
228 100
226 29.0 23.4 35.2
229 21.7 16.5 24.7



#83
Chrysene
Concen: 9.443 ng
RT: 21.866 min Scan# 3162
Delta R.T. -0.012 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:228 Resp: 173551
Ion Ratio Lower Upper
228 100
226 32.5 25.5 38.3
229 23.4 16.8 25.2

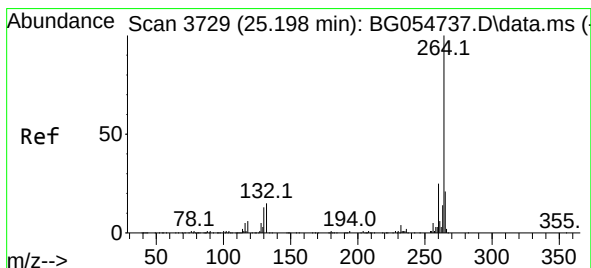
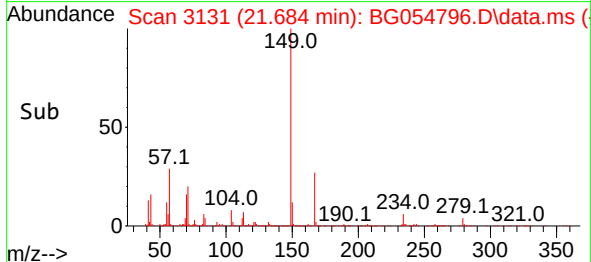
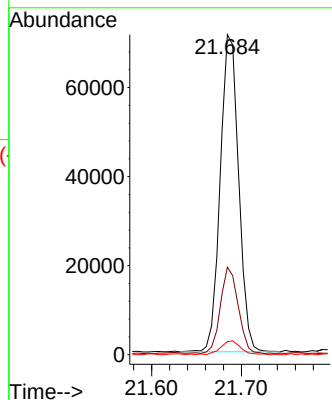
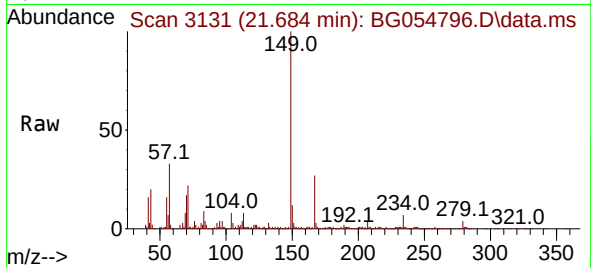




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.531 ng
 RT: 21.684 min Scan# 3131
 Delta R.T. -0.012 min
 Lab File: BG054796.D
 Acq: 30 Aug 2022 19:26

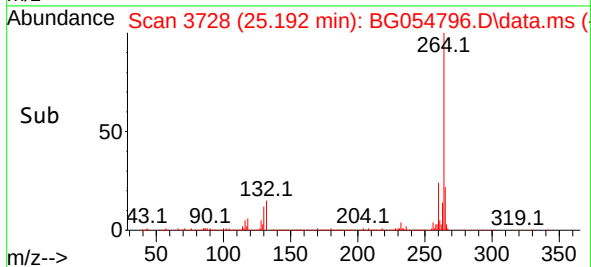
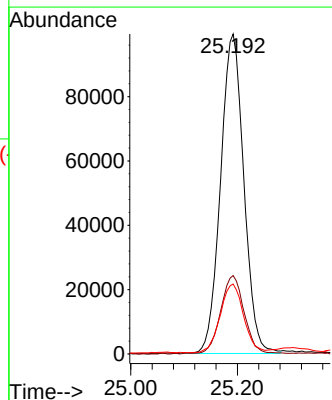
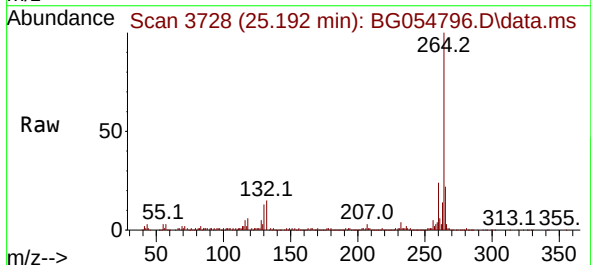
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-216

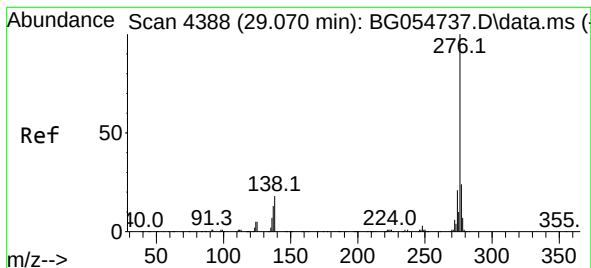
Tgt Ion:149 Resp: 101348
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.4 32.0
 279 4.1 3.1 4.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.192 min Scan# 3728
 Delta R.T. -0.006 min
 Lab File: BG054796.D
 Acq: 30 Aug 2022 19:26

Tgt Ion:264 Resp: 300640
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.9 29.9
 265 21.8 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.055 ng

RT: 29.052 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG054796.D

Acq: 30 Aug 2022 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-216

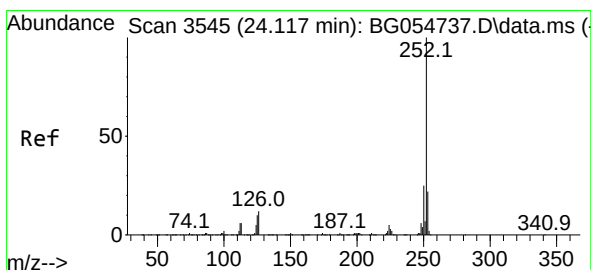
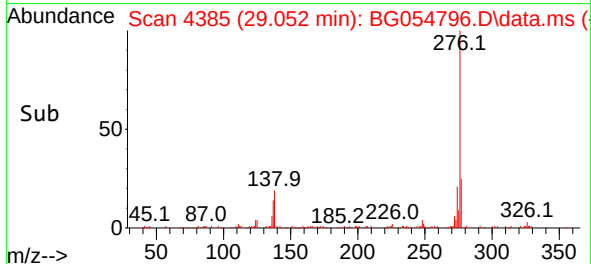
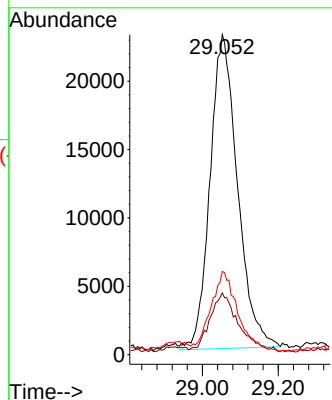
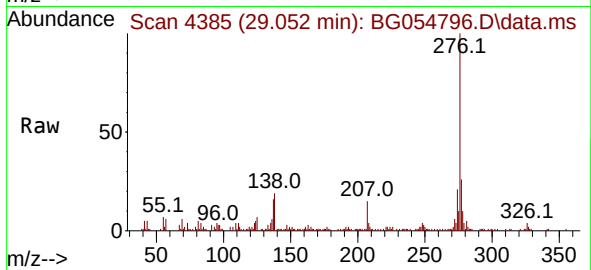
Tgt Ion:276 Resp: 115373

Ion Ratio Lower Upper

276 100

138 18.3 12.0 18.0#

277 25.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.804 ng

RT: 24.117 min Scan# 3545

Delta R.T. -0.000 min

Lab File: BG054796.D

Acq: 30 Aug 2022 19:26

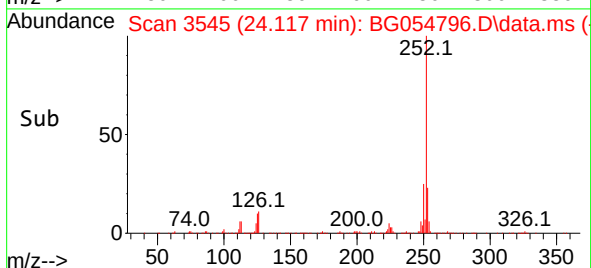
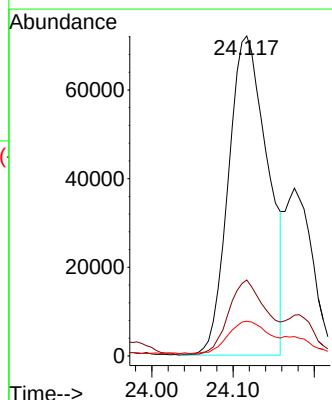
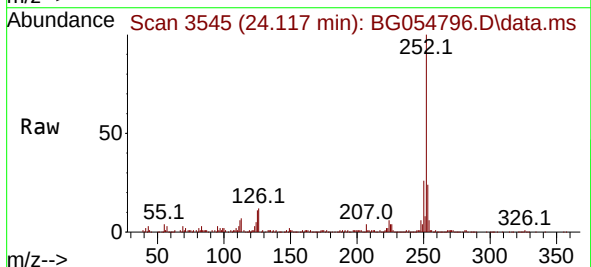
Tgt Ion:252 Resp: 241471

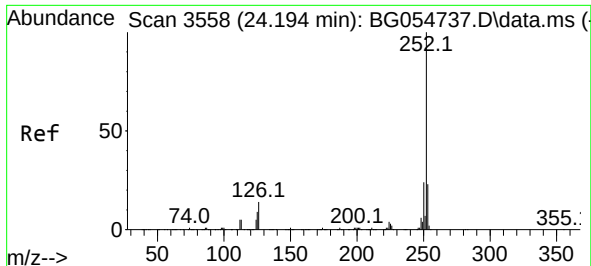
Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 10.9 8.1 12.1

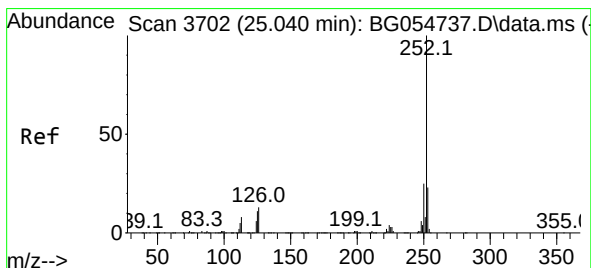
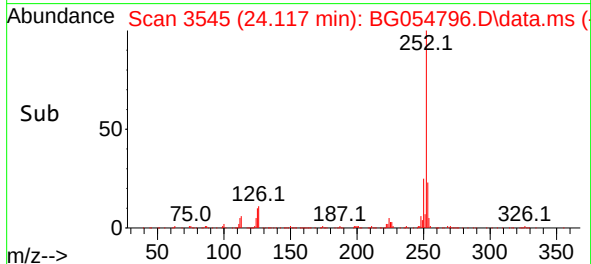
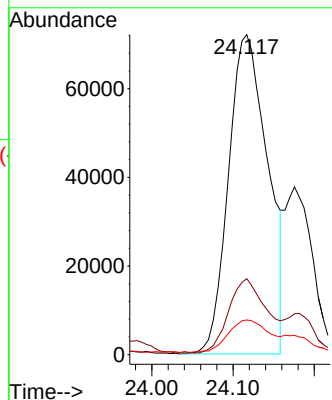
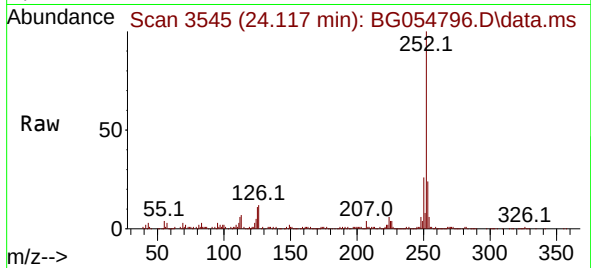




#89
Benzo(k)fluoranthene
Concen: 12.722 ng
RT: 24.117 min Scan# 31
Delta R.T. -0.077 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

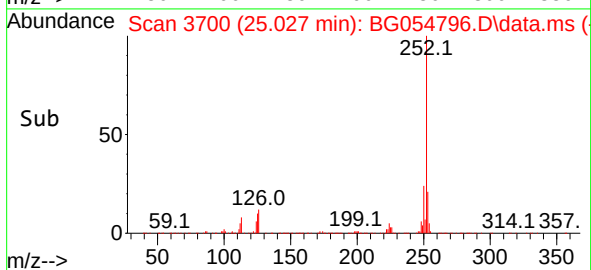
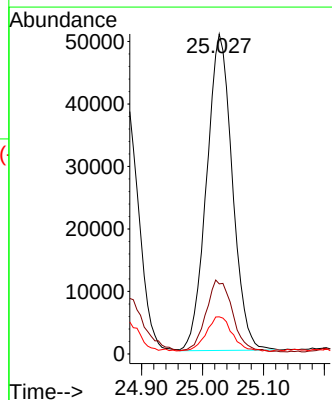
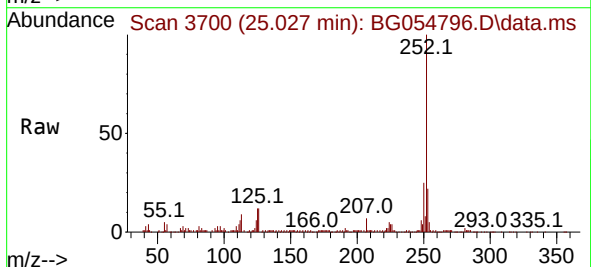
Instrument :
BNA_G
ClientSampleId :
VNJ-216

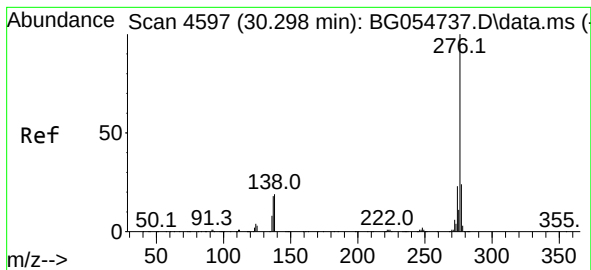
Tgt Ion:252 Resp: 241471
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 10.9 8.2 12.4



#90
Benzo(a)pyrene
Concen: 9.210 ng
RT: 25.027 min Scan# 3700
Delta R.T. -0.012 min
Lab File: BG054796.D
Acq: 30 Aug 2022 19:26

Tgt Ion:252 Resp: 148399
Ion Ratio Lower Upper
252 100
253 21.9 18.3 27.5
125 11.6 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 5.989 ng

RT: 30.263 min Scan# 4

Delta R.T. -0.036 min

Lab File: BG054796.D

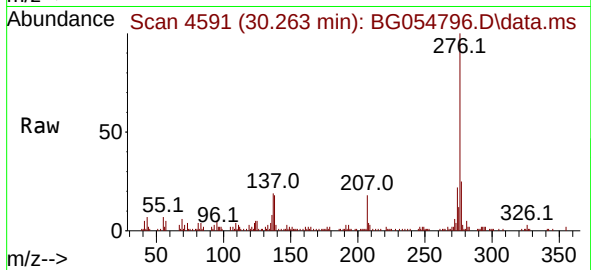
Acq: 30 Aug 2022 19:26

Instrument :

BNA_G

ClientSampleId :

VNJ-216



Tgt Ion:276 Resp: 112494

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 18.5 16.6 25.0

