

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091522\
 Data File : BG054956.D
 Acq On : 15 Sep 2022 14:51
 Operator : CG/JU
 Sample : N4640-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

Quant Time: Sep 16 05:28:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 03:14:10 2022
 Response via : Initial Calibration

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

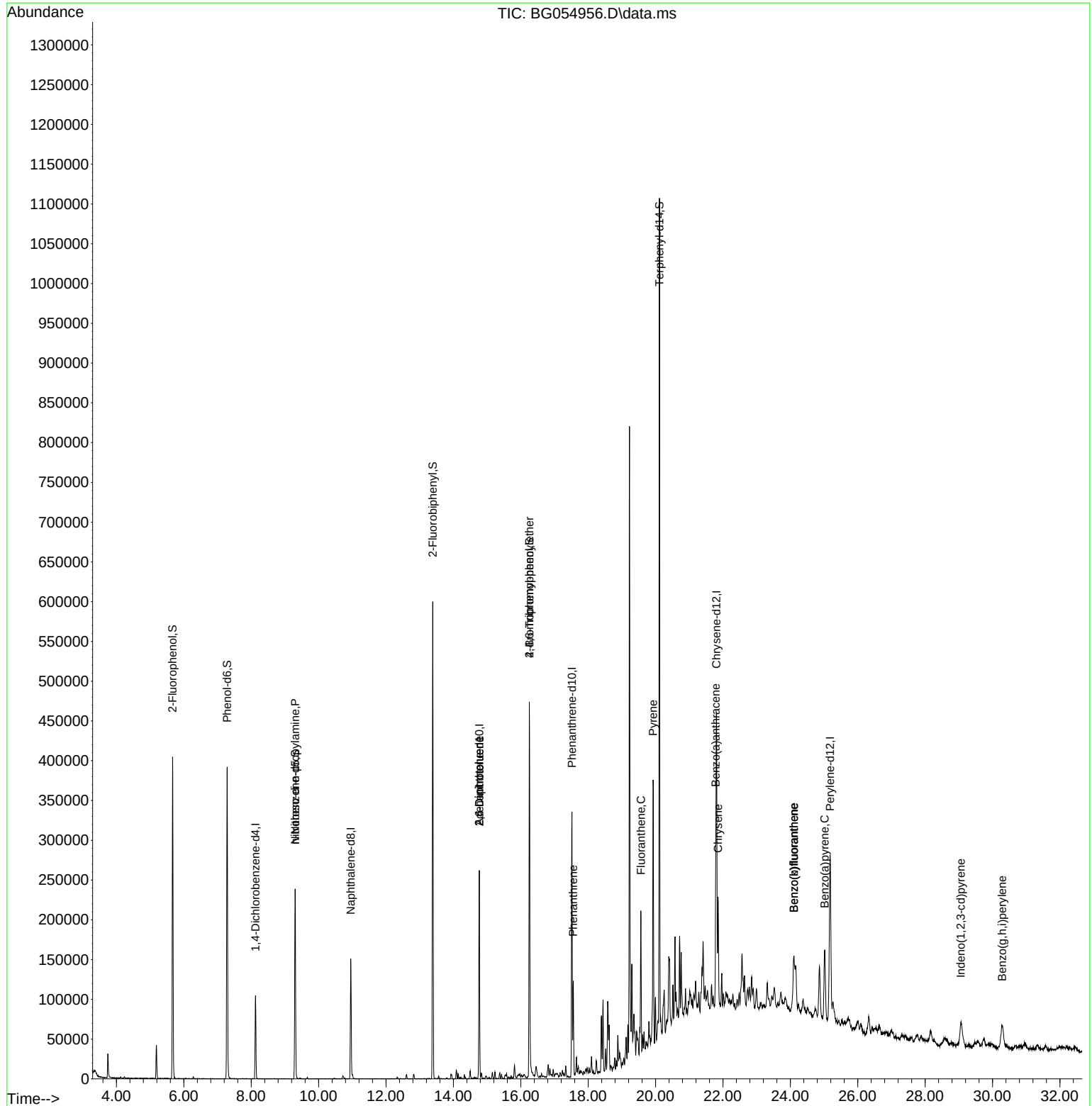
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	34018	20.000	ng	0.00
21) Naphthalene-d8	10.955	136	138014	20.000	ng	0.00
39) Acenaphthene-d10	14.768	164	97854	20.000	ng	0.00
64) Phenanthrene-d10	17.518	188	223692	20.000	ng	0.00
76) Chrysene-d12	21.807	240	216978	20.000	ng	-0.01
86) Perylene-d12	25.179	264	229813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.667	112	201817	103.309	ng	0.00
7) Phenol-d6	7.288	99	271475	101.615	ng	0.00
23) Nitrobenzene-d5	9.304	82	159093	60.514	ng	0.00
42) 2,4,6-Tribromophenol	16.254	330	121262	99.172	ng	0.00
45) 2-Fluorobiphenyl	13.387	172	339646	52.169	ng	0.00
79) Terphenyl-d14	20.115	244	532333	48.611	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.304	70	19742	10.746	ng	# 77
51) 2,6-Dinitrotoluene	14.768	165	12734	8.258	ng	# 20
57) 2,4-Dinitrotoluene	14.768	165	12734	5.970	ng	# 18
67) 4-Bromophenyl-phenylether	16.254	248	7199	2.931	ng	# 1
71) Phenanthrene	17.559	178	79462	6.668	ng	98
75) Fluoranthene	19.568	202	114015	7.865	ng	97
78) Pyrene	19.927	202	214891	14.203	ng	98
81) Benzo(a)anthracene	21.789	228	109776	7.462	ng	97
83) Chrysene	21.854	228	103836	7.382	ng	98
87) Indeno(1,2,3-cd)pyrene	29.057	276	52552	3.012	ng	# 91
88) Benzo(b)fluoranthene	24.104	252	92748	6.434	ng	98
89) Benzo(k)fluoranthene	24.104	252	92748	6.393	ng	98
90) Benzo(a)pyrene	25.015	252	100661	8.173	ng	99
92) Benzo(g,h,i)perylene	30.285	276	63575	4.427	ng	99

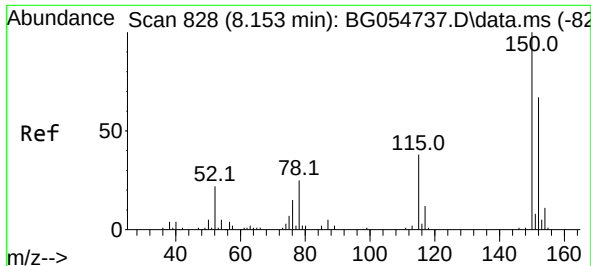
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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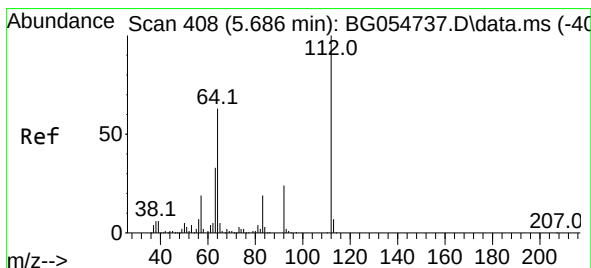
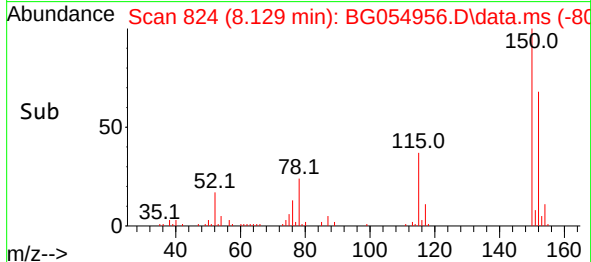
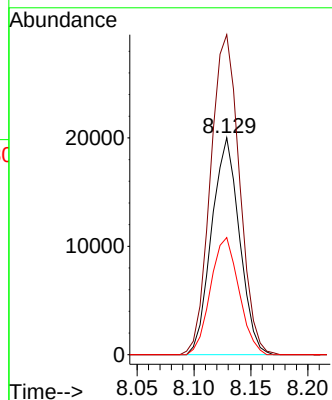
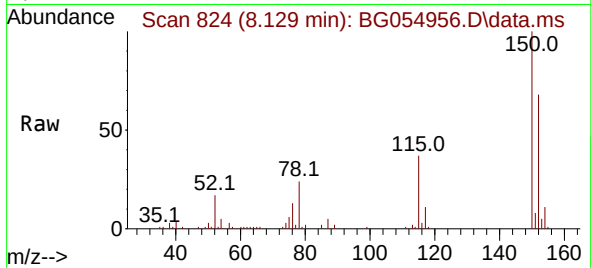




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

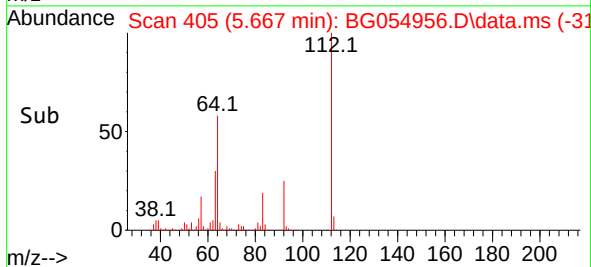
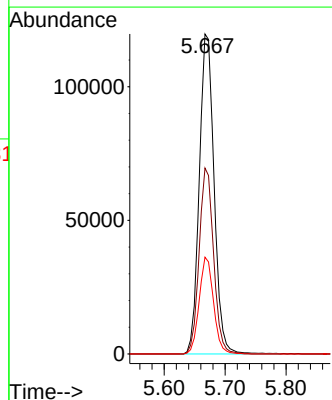
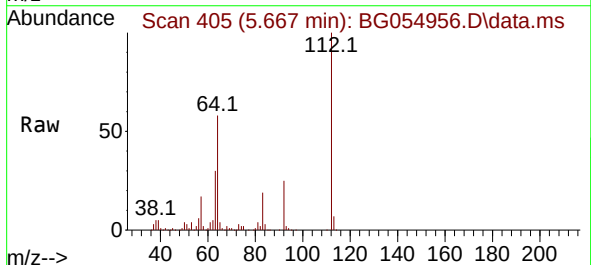
Instrument :
BNA_G
ClientSampleId :
VNJ-240

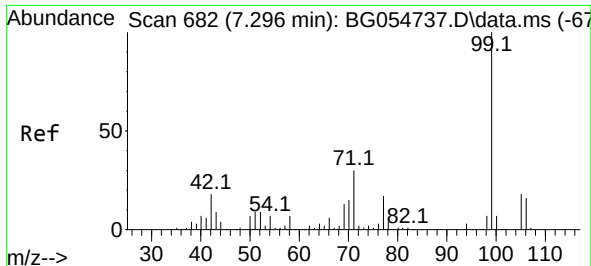
Tgt Ion:152 Resp: 34018
Ion Ratio Lower Upper
152 100
150 147.5 125.2 187.8
115 54.0 47.9 71.9



#5
2-Fluorophenol
Concen: 103.309 ng
RT: 5.667 min Scan# 405
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:112 Resp: 201817
Ion Ratio Lower Upper
112 100
64 58.1 49.3 73.9
63 30.3 26.3 39.5

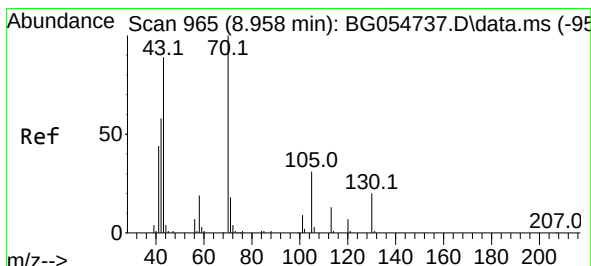
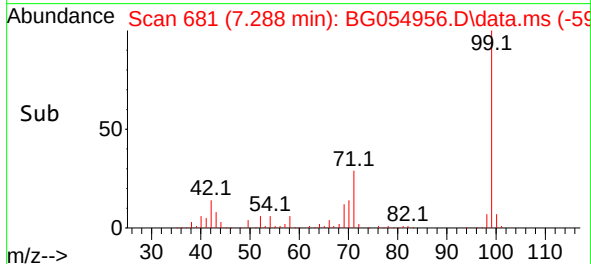
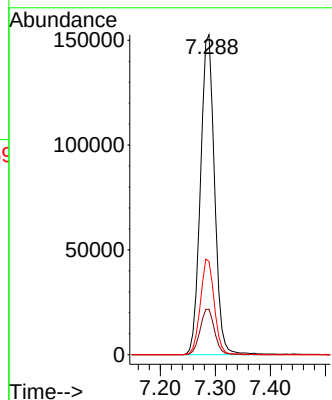
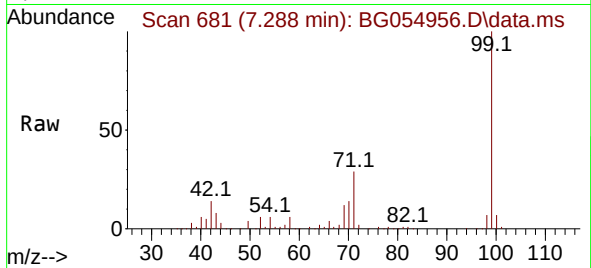




#7
Phenol-d6
Concen: 101.615 ng
RT: 7.288 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

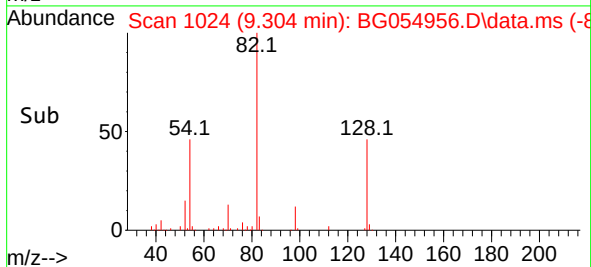
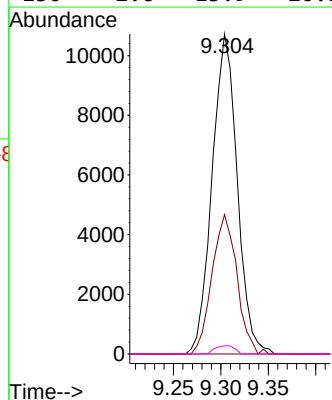
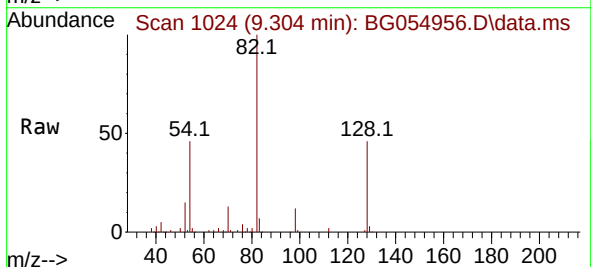
Instrument :
BNA_G
ClientSampleId :
VNJ-240

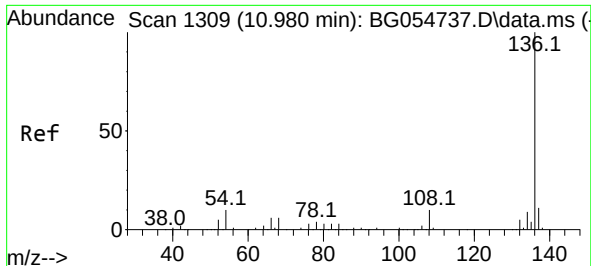
Tgt Ion: 99 Resp: 271475
Ion Ratio Lower Upper
99 100
42 14.2 14.6 22.0#
71 29.1 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.746 ng
RT: 9.304 min Scan# 1024
Delta R.T. 0.364 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion: 70 Resp: 19742
Ion Ratio Lower Upper
70 100
42 43.6 46.6 69.8#
101 0.0 7.7 11.5#
130 2.6 13.9 20.9#

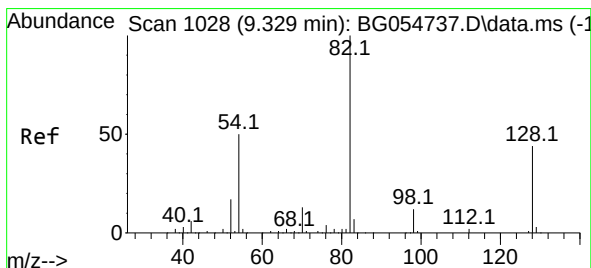
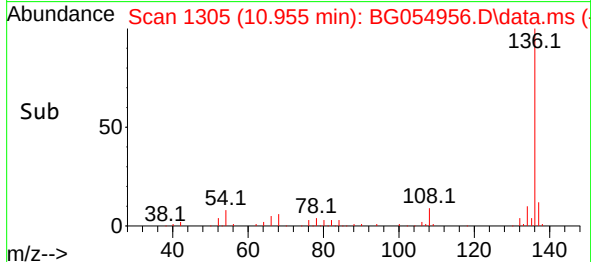
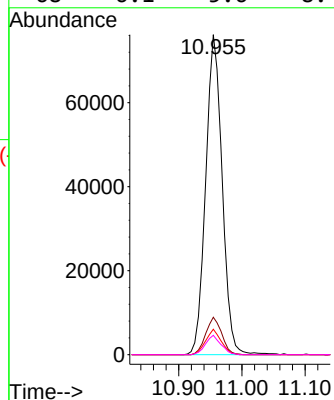
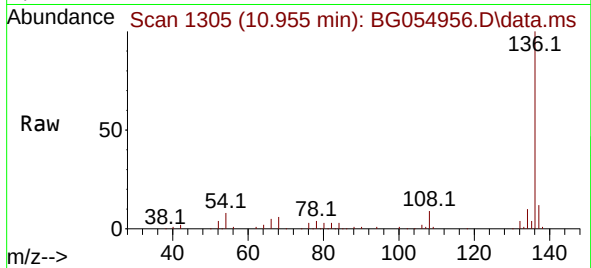




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.955 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

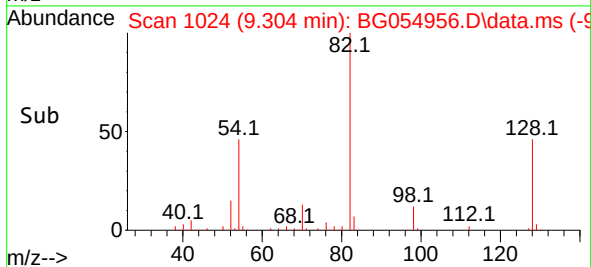
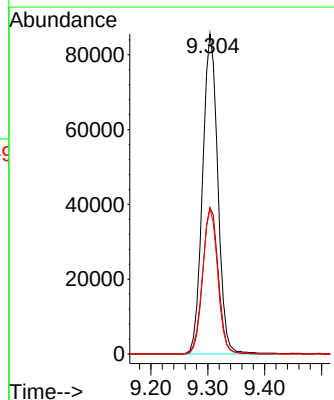
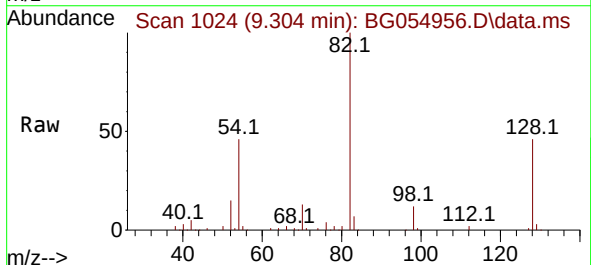
Instrument :
BNA_G
ClientSampleId :
VNJ-240

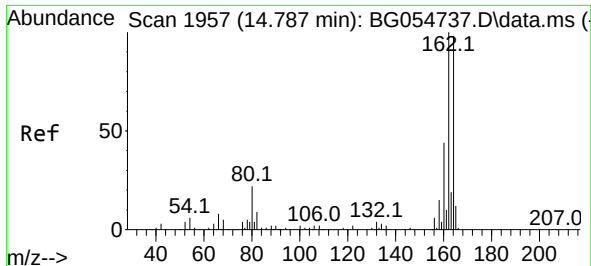
Tgt Ion:	136	Resp:	138014
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.2	13.8
54	7.9	7.7	11.5
68	6.1	5.6	8.4



#23
Nitrobenzene-d5
Concen: 60.514 ng
RT: 9.304 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:	82	Resp:	159093
Ion Ratio	Lower	Upper	
82	100		
128	45.7	32.2	48.2
54	45.6	41.4	62.0

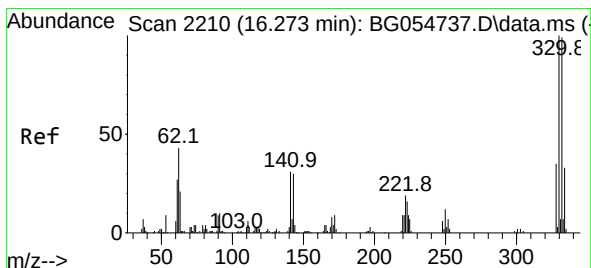
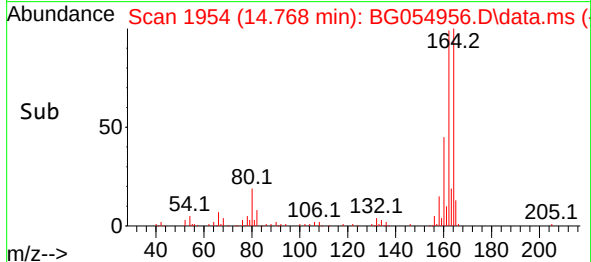
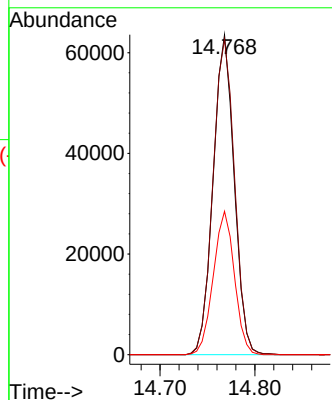
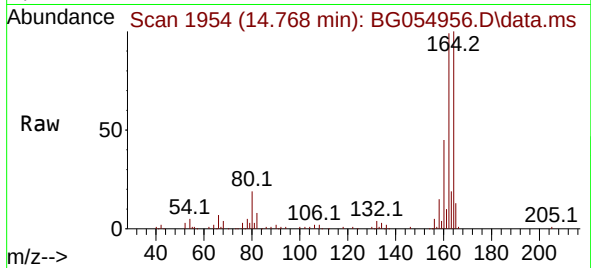




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.768 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

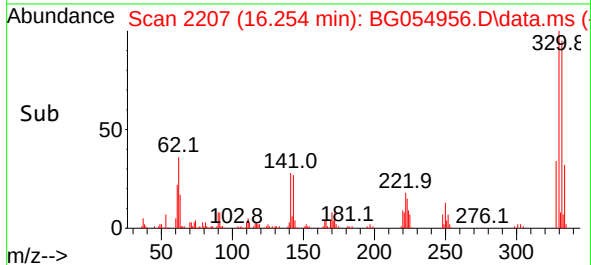
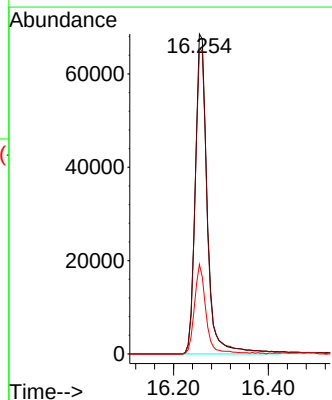
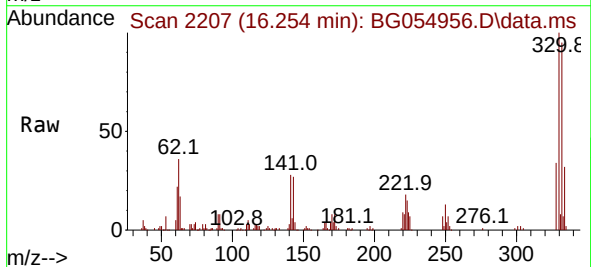
Instrument :
BNA_G
ClientSampleId :
VNJ-240

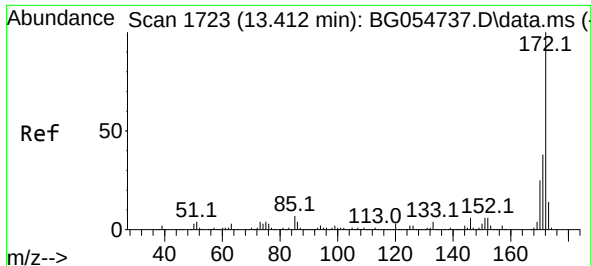
Tgt Ion:164 Resp: 97854
Ion Ratio Lower Upper
164 100
162 98.6 83.0 124.4
160 44.8 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 99.172 ng
RT: 16.254 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:330 Resp: 121262
Ion Ratio Lower Upper
330 100
332 97.1 79.8 119.6
141 26.7 26.8 40.2#

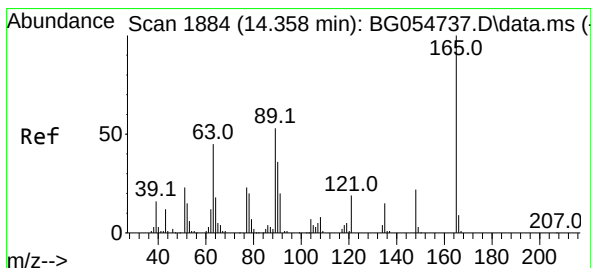
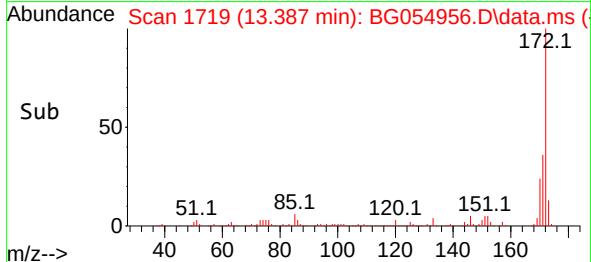
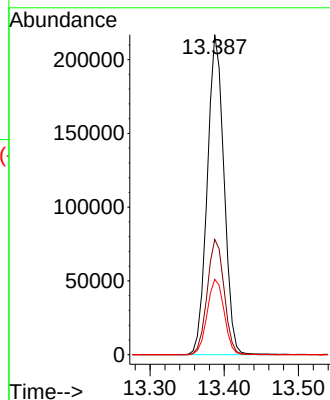
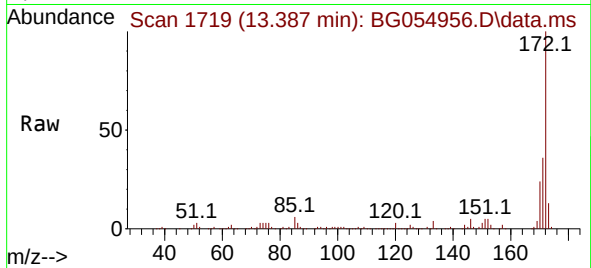




#45
2-Fluorobiphenyl
Concen: 52.169 ng
RT: 13.387 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

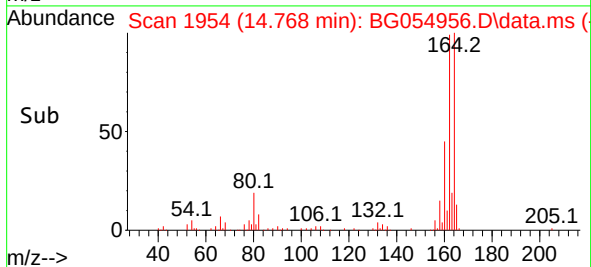
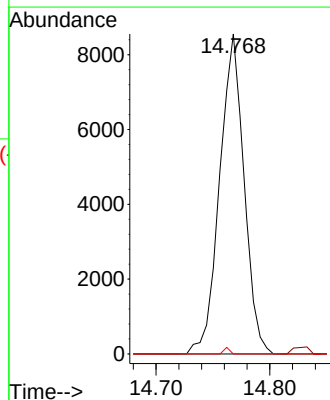
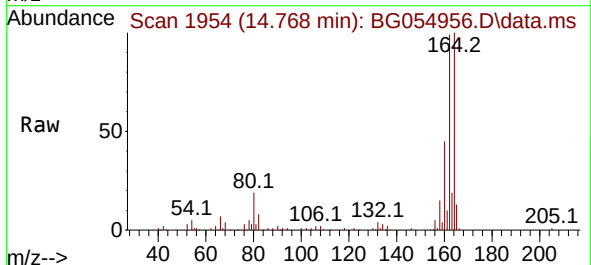
Instrument :
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ClientSampleId :
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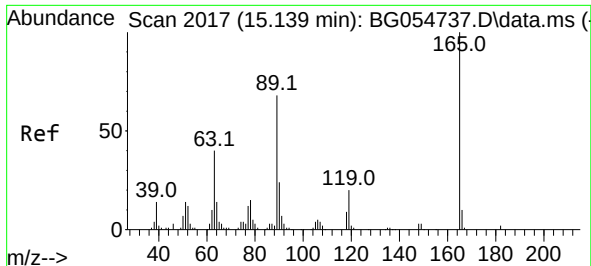
Tgt Ion:172 Resp: 339646
Ion Ratio Lower Upper
172 100
171 36.0 31.2 46.8
170 23.6 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.258 ng
RT: 14.768 min Scan# 1954
Delta R.T. 0.423 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:165 Resp: 12734
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 0.0 50.3 75.5#

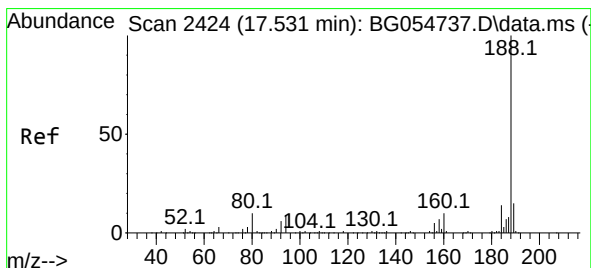
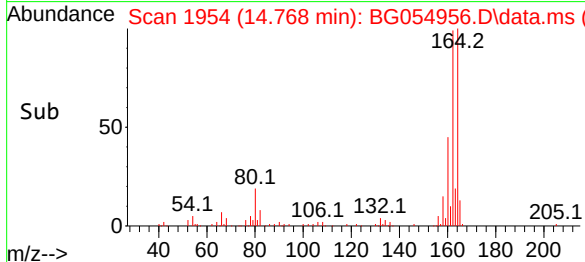
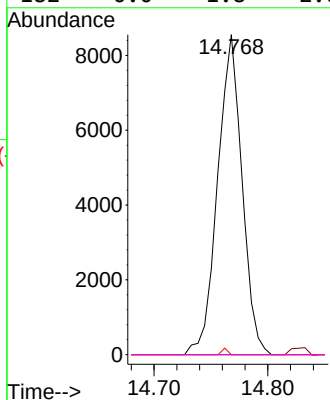
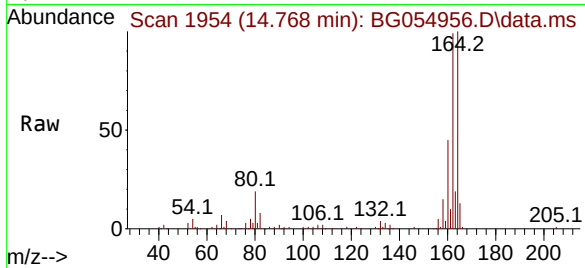




#57
2,4-Dinitrotoluene
Concen: 5.970 ng
RT: 14.768 min Scan# 1954
Delta R.T. -0.370 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

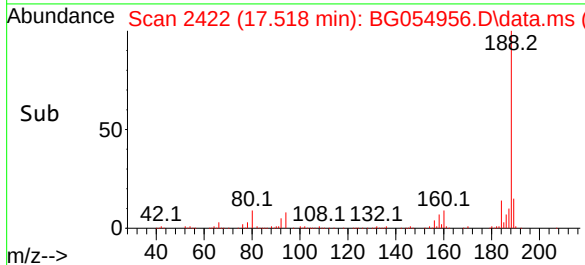
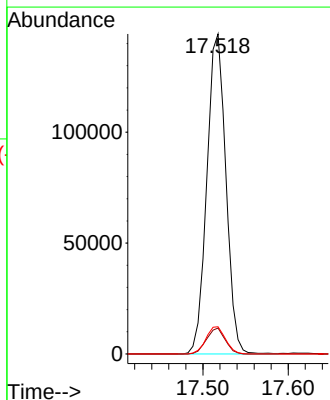
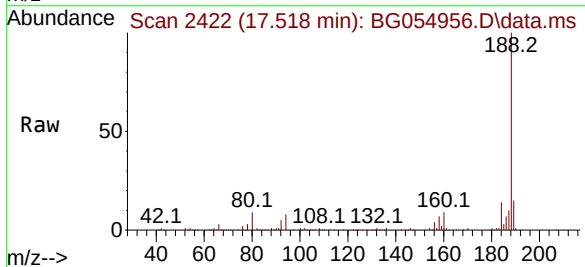
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VNJ-240

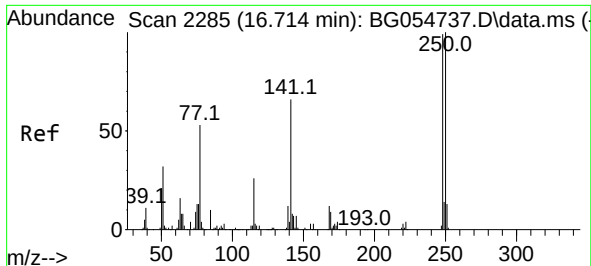
Tgt Ion:165 Resp: 12734
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 0.0 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.518 min Scan# 2422
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:188 Resp: 223692
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.4
80 8.5 7.9 11.9

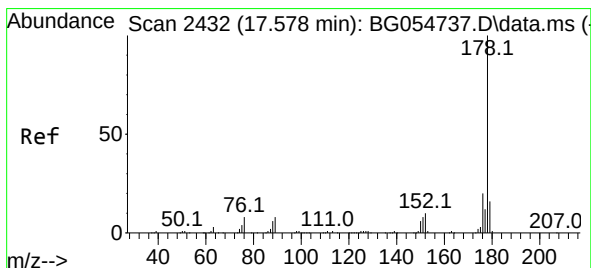
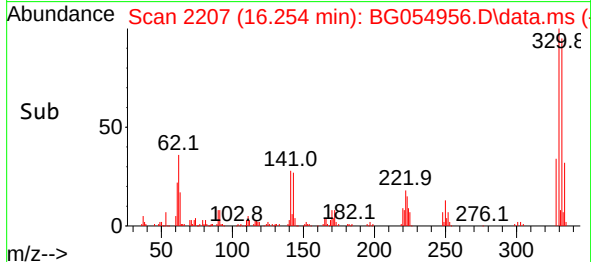
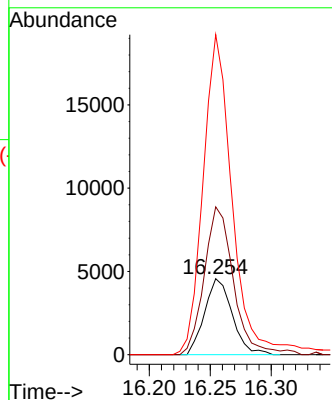
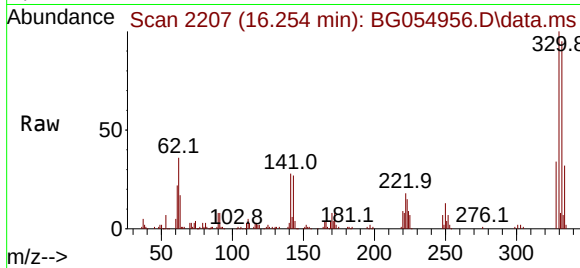




#67
4-Bromophenyl-phenylether
Concen: 2.931 ng
RT: 16.254 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

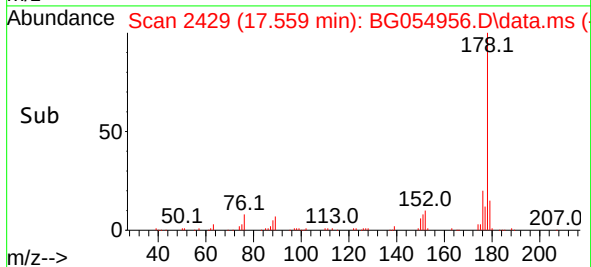
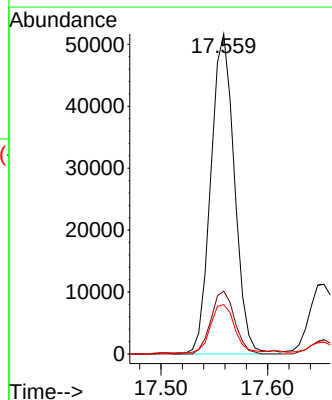
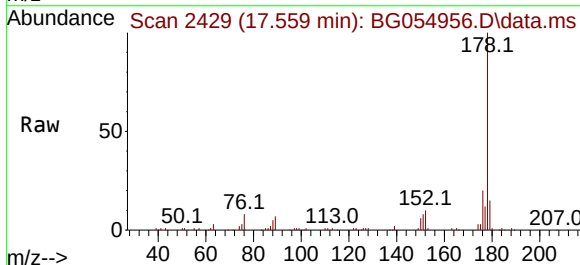
Instrument :
BNA_G
ClientSampleId :
VNJ-240

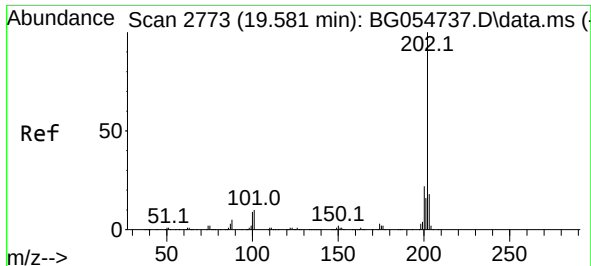
Tgt Ion:248 Resp: 7199
Ion Ratio Lower Upper
248 100
250 194.4 78.8 118.2#
141 420.6 51.9 77.9#



#71
Phenanthrene
Concen: 6.668 ng
RT: 17.559 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:178 Resp: 79462
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 15.5 12.8 19.2

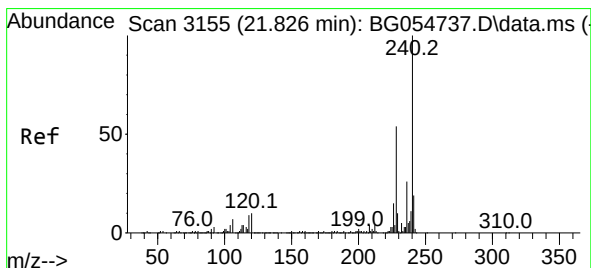
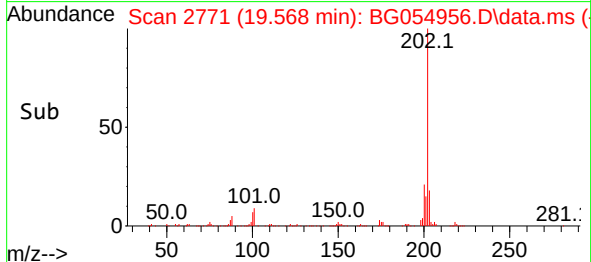
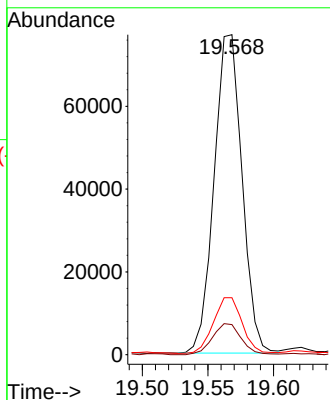
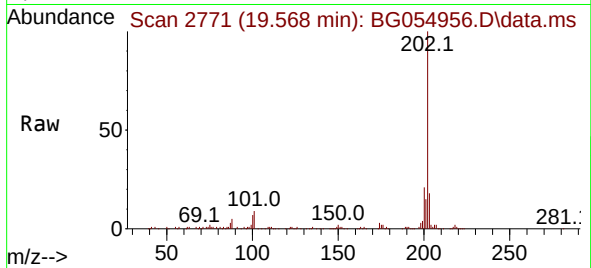




#75
Fluoranthene
Concen: 7.865 ng
RT: 19.568 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

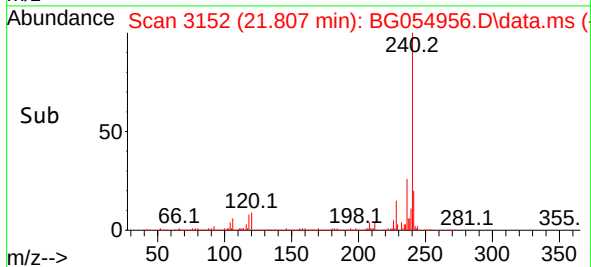
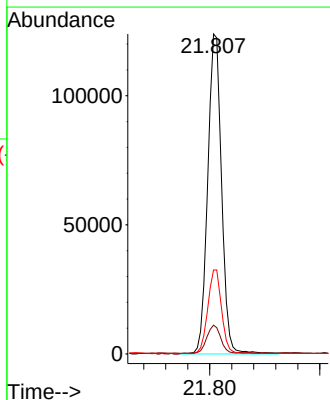
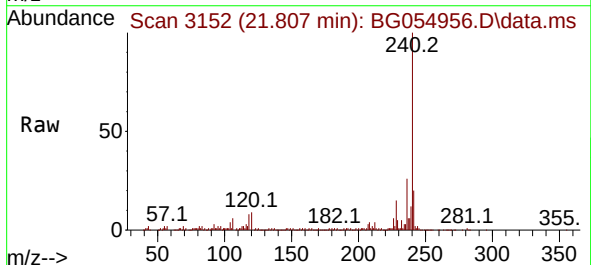
Instrument :
BNA_G
ClientSampleId :
VNJ-240

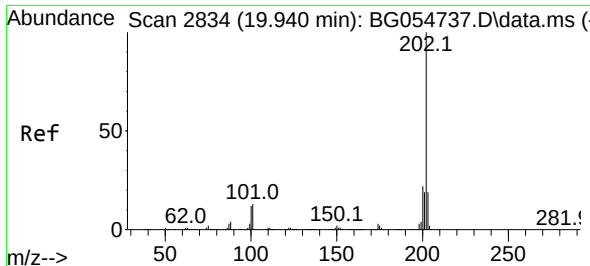
Tgt Ion:202 Resp: 114015
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.4
203 17.8 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.012 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:240 Resp: 216978
Ion Ratio Lower Upper
240 100
120 9.0 8.2 12.4
236 26.2 21.2 31.8

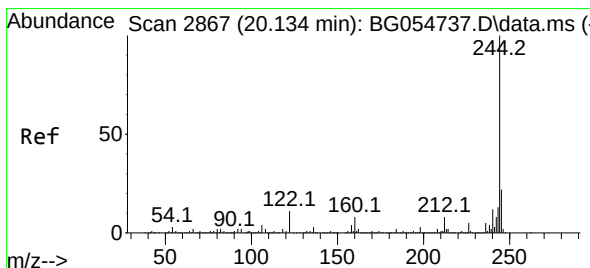
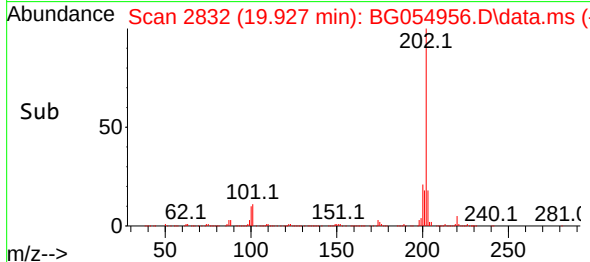
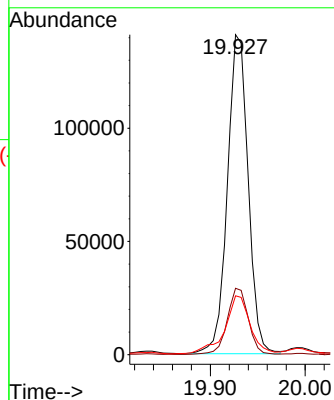
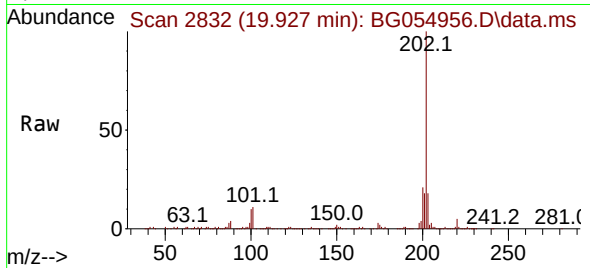




#78
 Pyrene
 Concen: 14.203 ng
 RT: 19.927 min Scan# 214891
 Delta R.T. -0.006 min
 Lab File: BG054956.D
 Acq: 15 Sep 2022 14:51

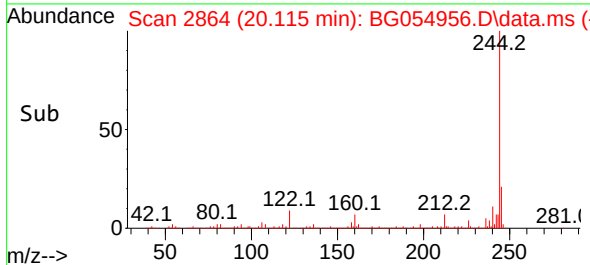
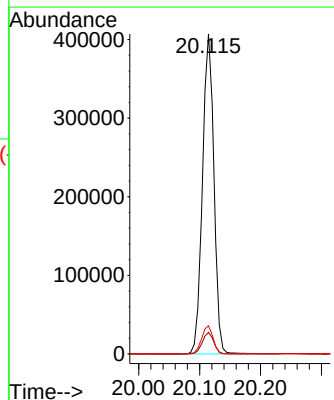
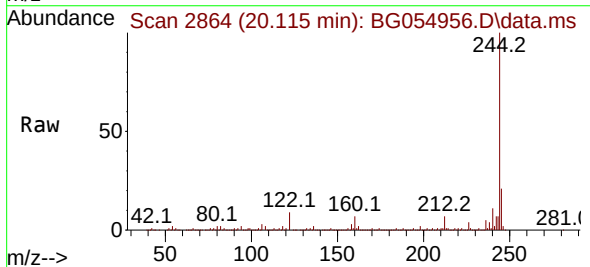
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-240

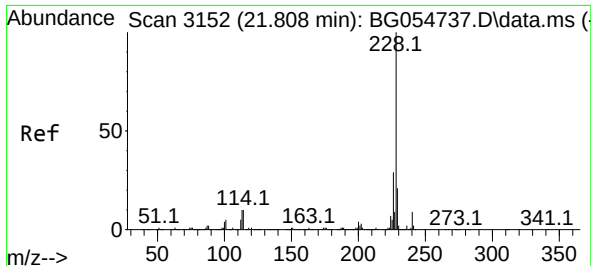
Tgt Ion:	202	Resp:	214891
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.8	26.6
203	18.4	14.6	21.8



#79
 Terphenyl-d14
 Concen: 48.611 ng
 RT: 20.115 min Scan# 2864
 Delta R.T. -0.006 min
 Lab File: BG054956.D
 Acq: 15 Sep 2022 14:51

Tgt Ion:	244	Resp:	532333
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.2	9.2
122	8.8	9.0	13.6

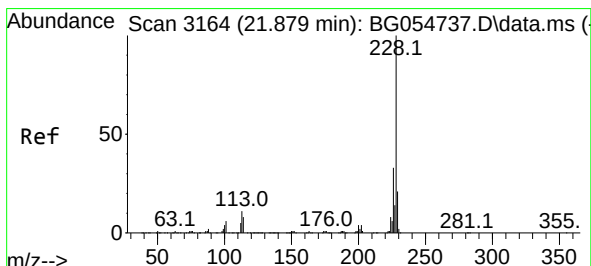
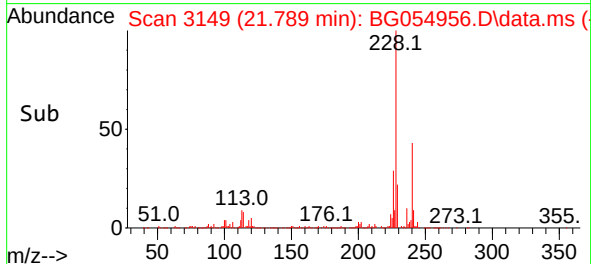
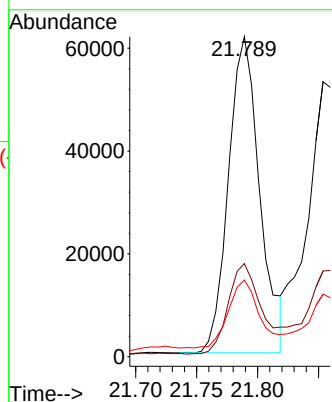
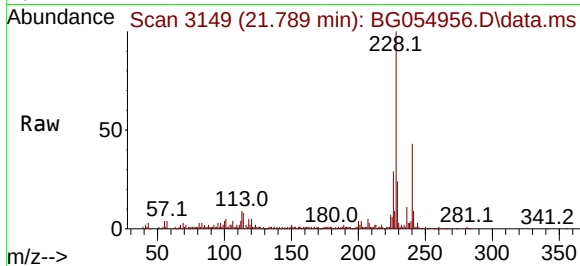




#81
Benzo(a)anthracene
Concen: 7.462 ng
RT: 21.789 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

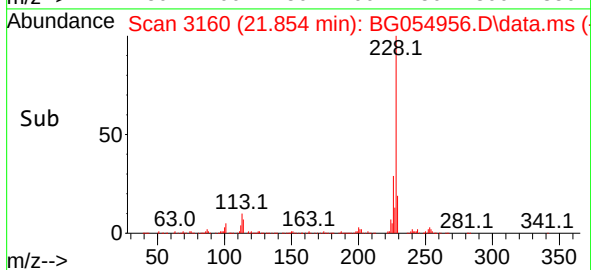
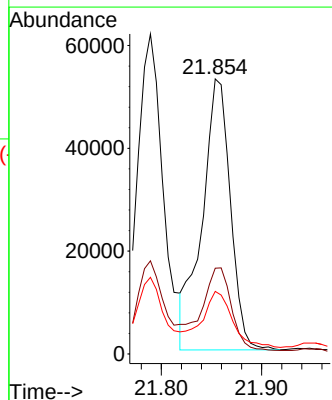
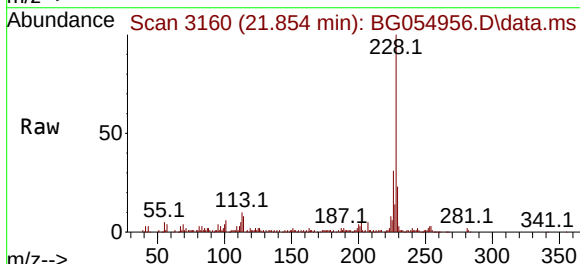
Instrument :
BNA_G
ClientSampleId :
VNJ-240

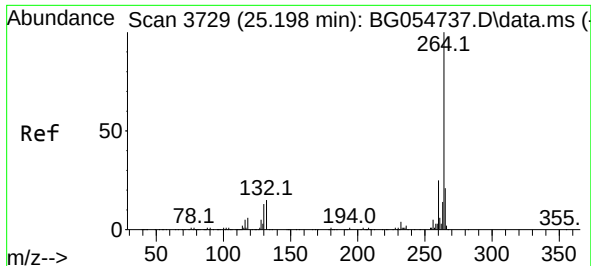
Tgt Ion:228 Resp: 109776
Ion Ratio Lower Upper
228 100
226 29.1 23.4 35.2
229 23.9 16.5 24.7



#83
Chrysene
Concen: 7.382 ng
RT: 21.854 min Scan# 3160
Delta R.T. -0.012 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:228 Resp: 103836
Ion Ratio Lower Upper
228 100
226 31.2 25.5 38.3
229 22.8 16.8 25.2



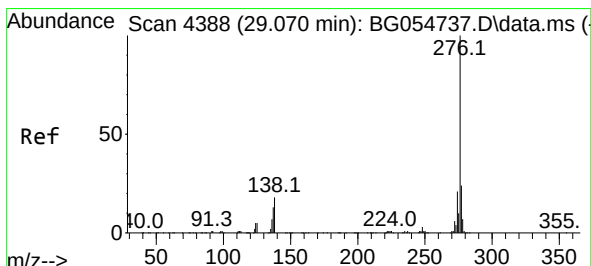
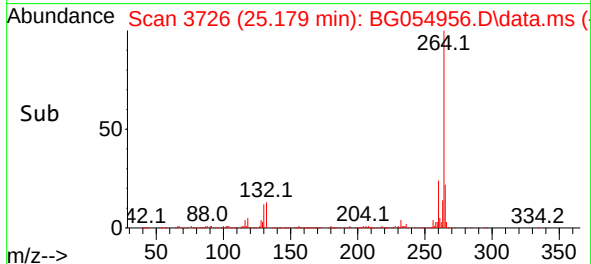
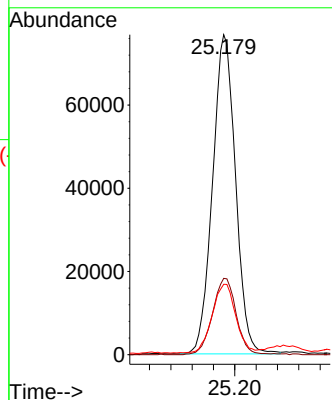
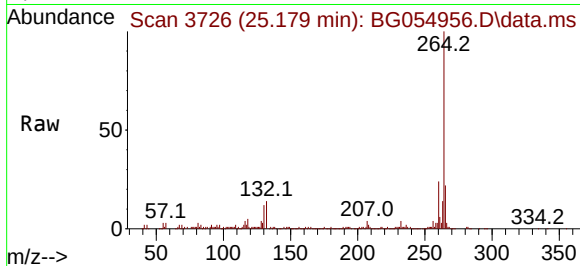


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.179 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Instrument :
BNA_G
ClientSampleId :
VNJ-240

Tgt Ion:264 Resp: 229813

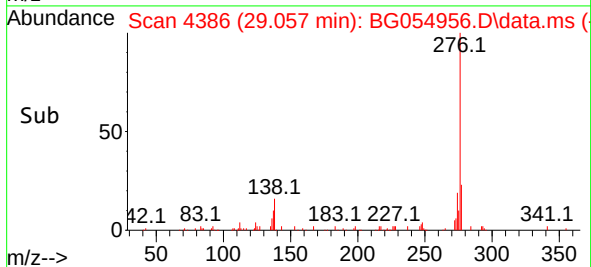
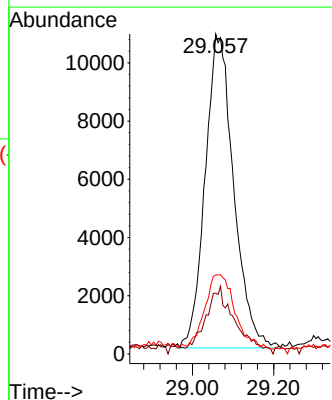
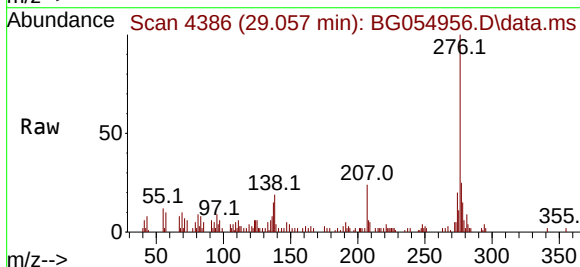
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.9	29.9
265	22.0	16.9	25.3

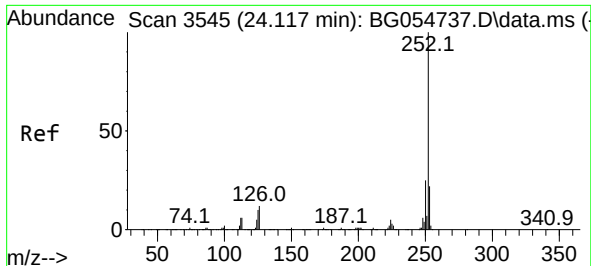


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.012 ng
RT: 29.057 min Scan# 4386
Delta R.T. -0.030 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:276 Resp: 52552

Ion	Ratio	Lower	Upper
276	100		
138	22.5	12.0	18.0#
277	23.4	20.2	30.4

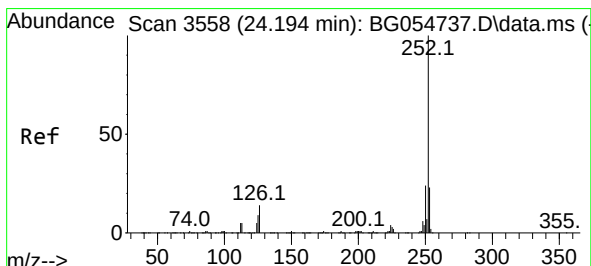
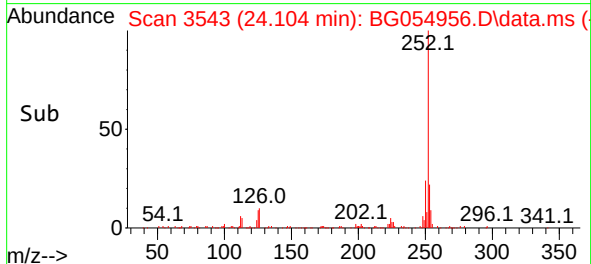
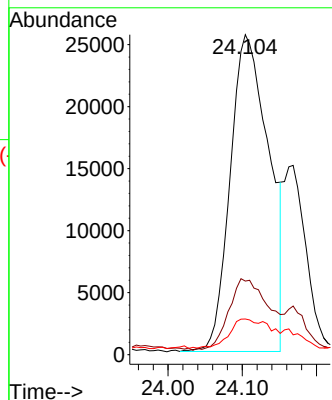
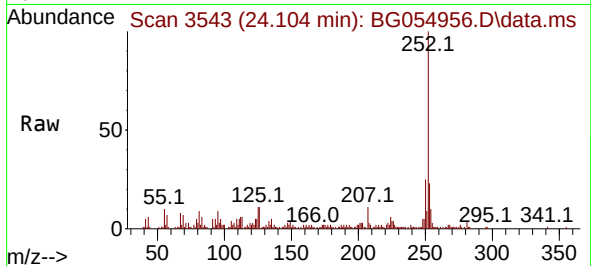




#88
Benzo(b)fluoranthene
Concen: 6.434 ng
RT: 24.104 min Scan# 3543
Delta R.T. -0.006 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

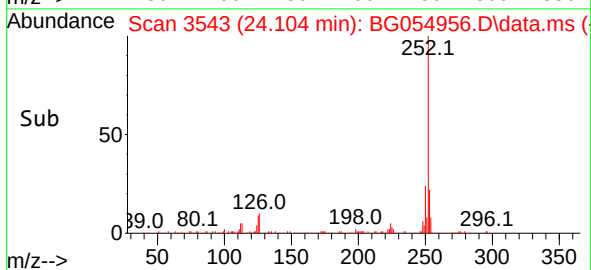
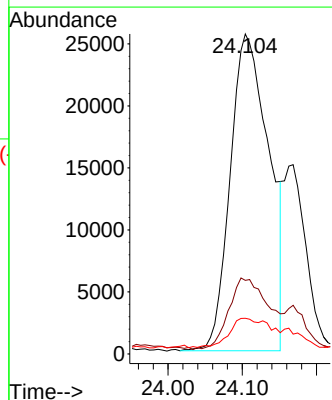
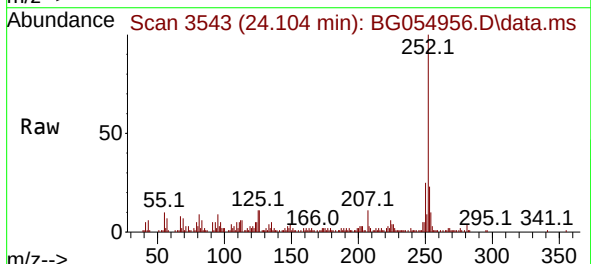
Instrument :
BNA_G
ClientSampleId :
VNJ-240

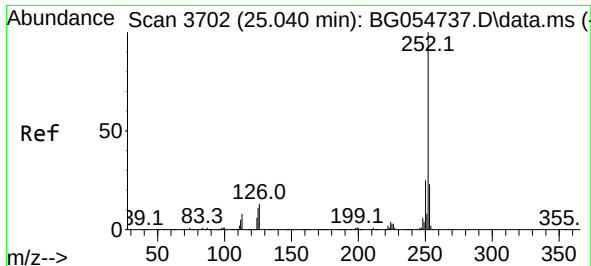
Tgt Ion:252 Resp: 92748
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.2 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 6.393 ng
RT: 24.104 min Scan# 3543
Delta R.T. -0.077 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:252 Resp: 92748
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.2 8.2 12.4

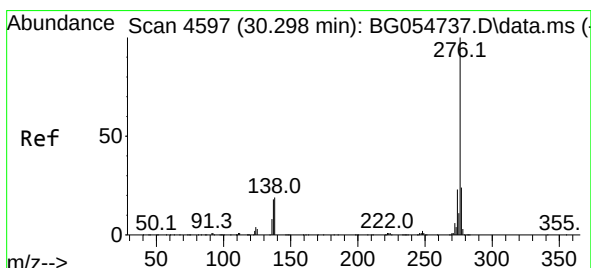
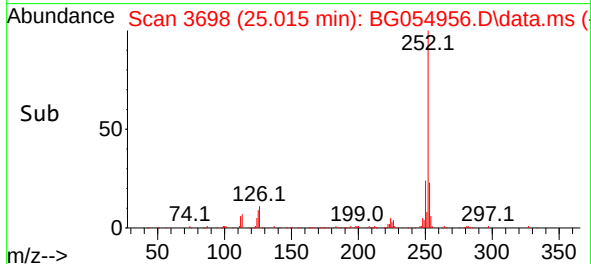
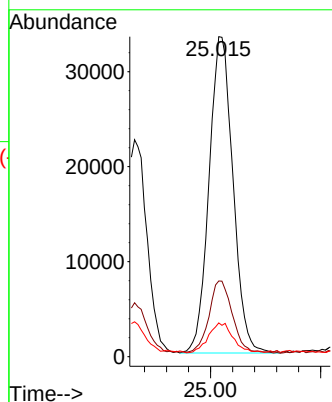
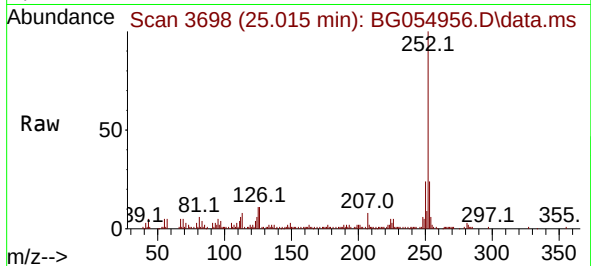




#90
Benzo(a)pyrene
Concen: 8.173 ng
RT: 25.015 min Scan# 3698
Delta R.T. -0.018 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Instrument :
BNA_G
ClientSampleId :
VNJ-240

Tgt Ion:252 Resp: 100661
Ion Ratio Lower Upper
252 100
253 23.7 18.3 27.5
125 10.6 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 4.427 ng
RT: 30.285 min Scan# 4595
Delta R.T. -0.024 min
Lab File: BG054956.D
Acq: 15 Sep 2022 14:51

Tgt Ion:276 Resp: 63575
Ion Ratio Lower Upper
276 100
277 24.0 19.4 29.0
138 19.7 16.6 25.0

