

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
 Data File : BF132633.D
 Acq On : 03 Mar 2023 17:33
 Operator : CG\JU
 Sample : 01770-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Quant Time: Mar 04 02:18:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

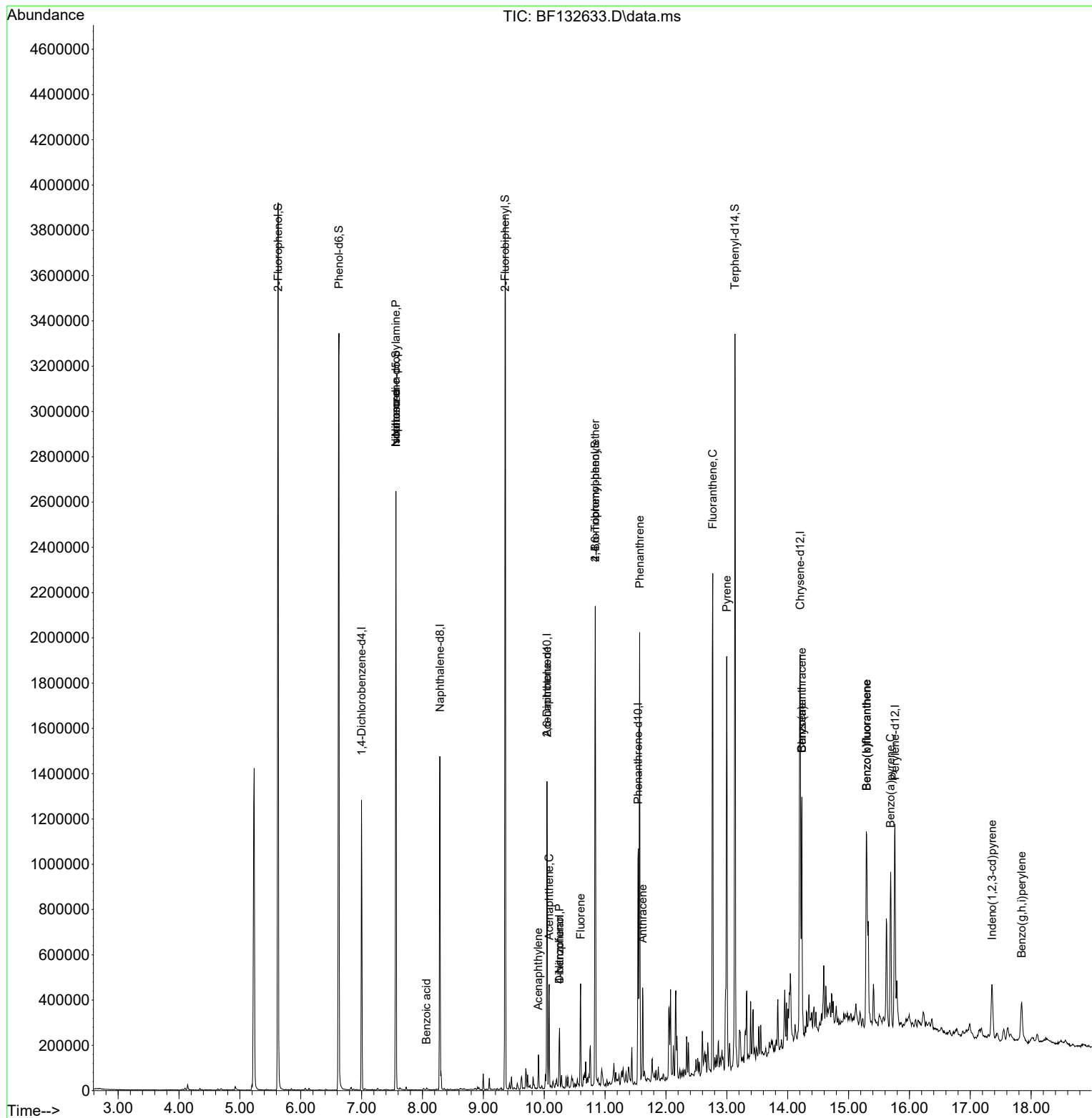
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	181135	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	597428	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	254451	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	407977	20.000	ng	0.00
76) Chrysene-d12	14.204	240	407342	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	437541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1090790	97.735	ng	0.00
7) Phenol-d6	6.628	99	1322357	90.786	ng	0.00
23) Nitrobenzene-d5	7.563	82	832430	66.107	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	237609	86.467	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1189179	71.162	ng	-0.01
79) Terphenyl-d14	13.133	244	1143632	47.468	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	108283	12.079	ng	# 75
25) Isophorone	7.563	82	832419	34.480	ng	# 67
32) Benzoic acid	8.063	122	334	3.878	ng	# 30
49) Acenaphthylene	9.904	152	55932	2.302	ng	96
51) 2,6-Dinitrotoluene	10.045	165	35536	8.422	ng	# 22
52) Acenaphthene	10.080	154	89116	5.775	ng	98
55) Dibenzofuran	10.251	168	88451	3.932	ng	94
56) 4-Nitrophenol	10.251	139	30429	8.645	ng	# 6
58) Fluorene	10.598	166	119276	6.932	ng	96
67) 4-Bromophenyl-phenylether	10.839	248	15612	3.383	ng	# 1
71) Phenanthrene	11.569	178	689353	32.616	ng	98
72) Anthracene	11.616	178	156973	7.212	ng	98
75) Fluoranthene	12.768	202	866859	37.518	ng	99
78) Pyrene	12.998	202	733007	19.793	ng	99
81) Benzo(a)anthracene	14.233	228	443939	14.566	ng	95
83) Chrysene	14.233	228	443939	15.576	ng	98
87) Indeno(1,2,3-cd)pyrene	17.356	276	162921	5.683	ng	98
88) Benzo(b)fluoranthene	15.298	252	721584	24.609	ng	# 96
89) Benzo(k)fluoranthene	15.298	252	721584	25.145	ng	# 97
90) Benzo(a)pyrene	15.692	252	335780	12.236	ng	97
92) Benzo(g,h,i)perylene	17.845	276	137789	6.658	ng	98

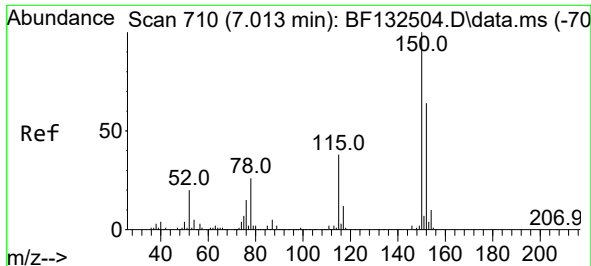
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030323\
Data File : BF132633.D
Acq On : 03 Mar 2023 17:33
Operator : CG\JU
Sample : 01770-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Quant Time: Mar 04 02:18:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration

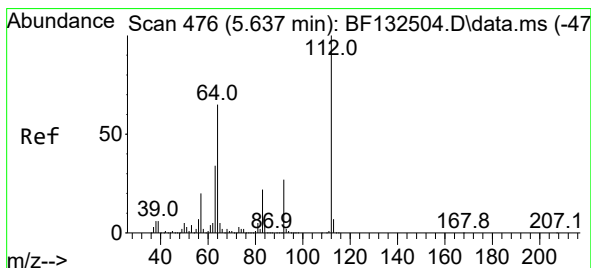
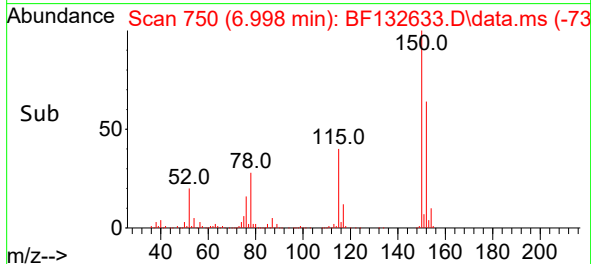
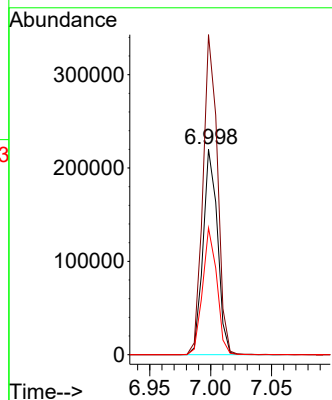
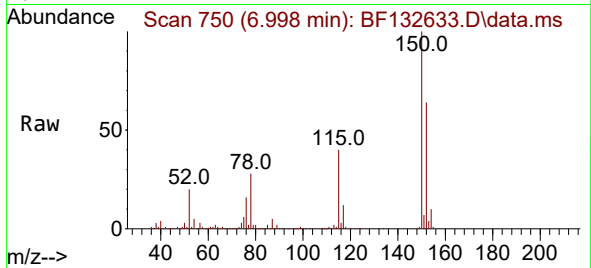




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

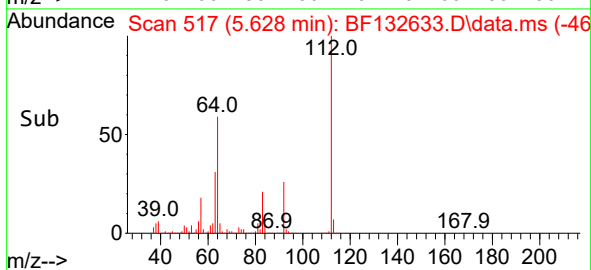
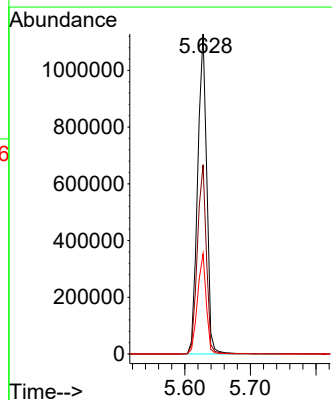
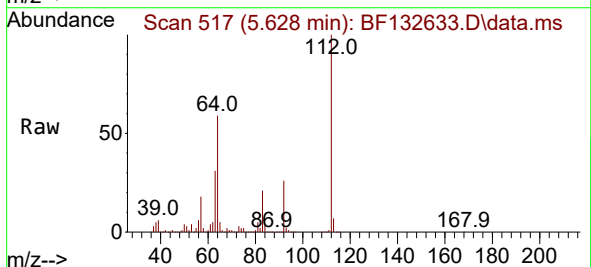
Instrument :
BNA_F
ClientSampleId :
VNJ-223

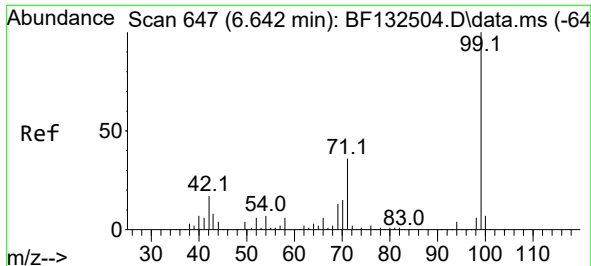
Tgt Ion:152 Resp: 181135
Ion Ratio Lower Upper
152 100
150 155.8 125.4 188.2
115 61.7 47.8 71.6



#5
2-Fluorophenol
Concen: 97.735 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:112 Resp: 1090790
Ion Ratio Lower Upper
112 100
64 59.2 51.6 77.4
63 31.3 27.4 41.2

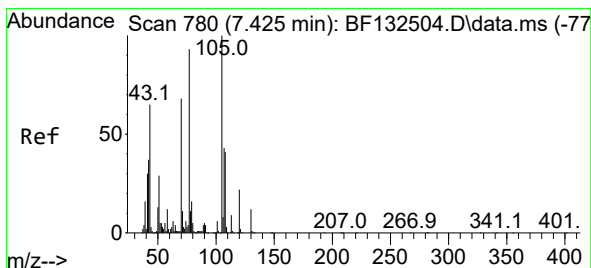
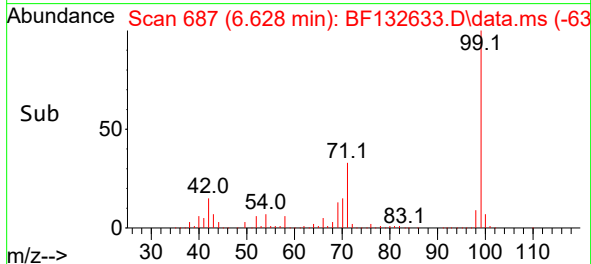
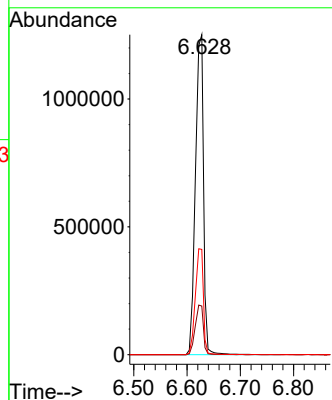
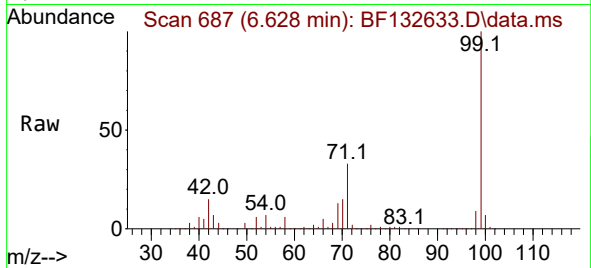




#7
Phenol-d6
Concen: 90.786 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

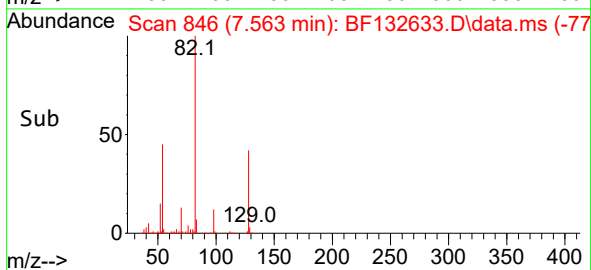
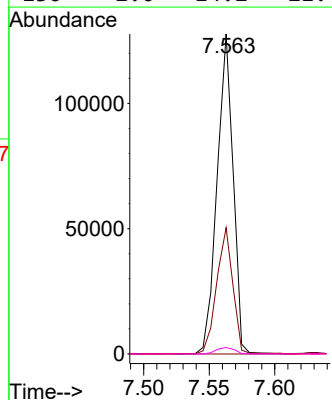
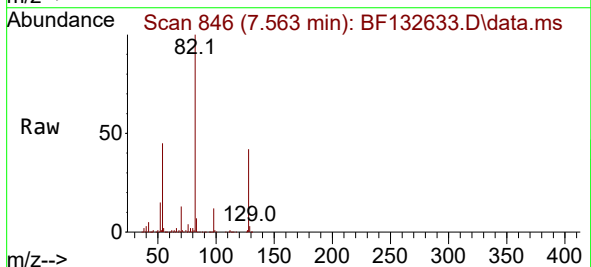
Instrument :
BNA_F
ClientSampleId :
VNJ-223

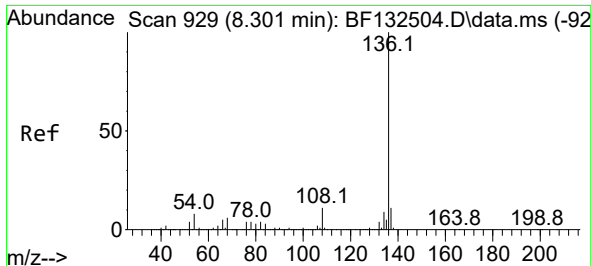
Tgt Ion: 99 Resp: 1322357
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 32.9 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.079 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion: 70 Resp: 108283
Ion Ratio Lower Upper
70 100
42 39.4 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

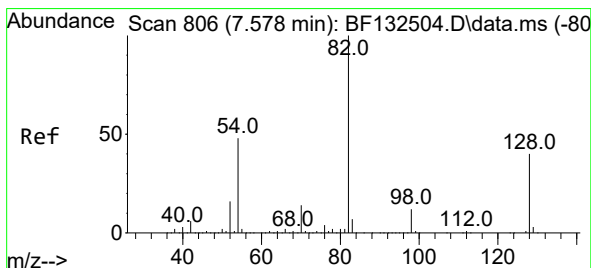
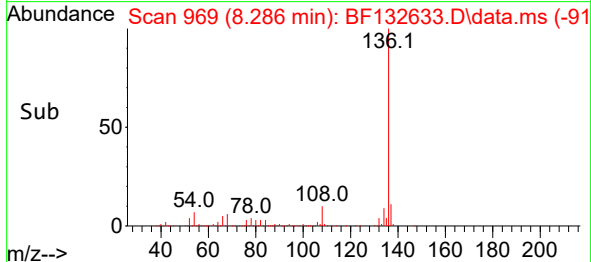
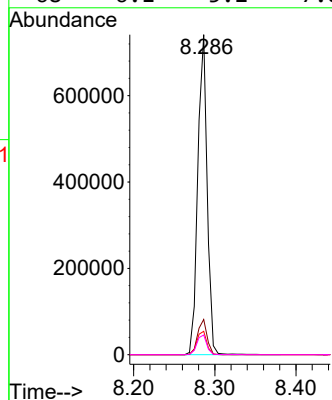
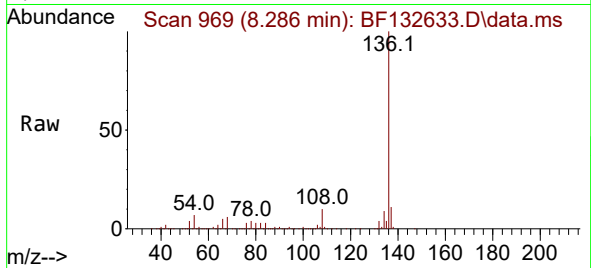




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

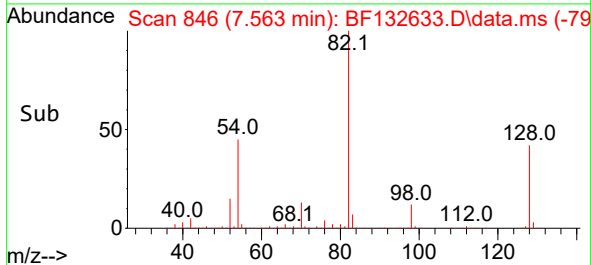
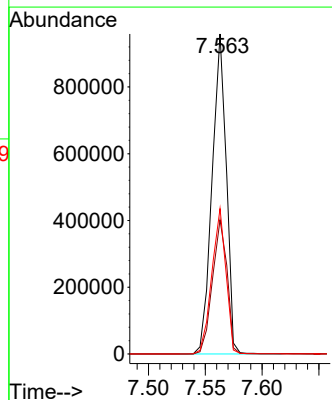
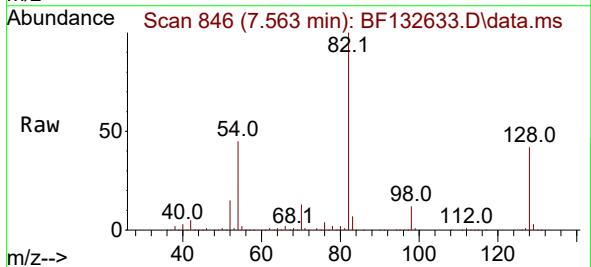
Instrument :
BNA_F
ClientSampleId :
VNJ-223

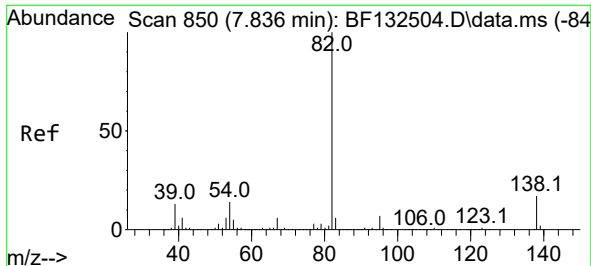
Tgt Ion:136 Resp: 597428
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.3 6.2 9.4
68 6.1 5.2 7.8



#23
Nitrobenzene-d5
Concen: 66.107 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion: 82 Resp: 832430
Ion Ratio Lower Upper
82 100
128 42.0 32.2 48.2
54 45.4 38.4 57.6

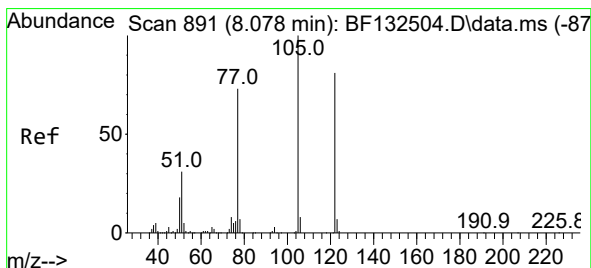
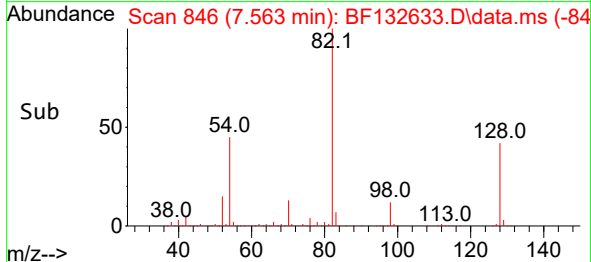
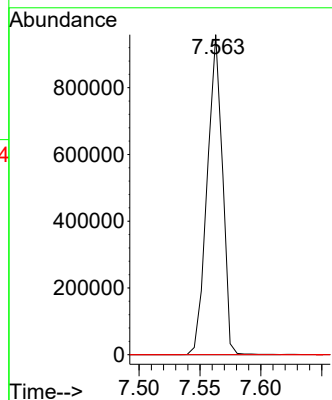
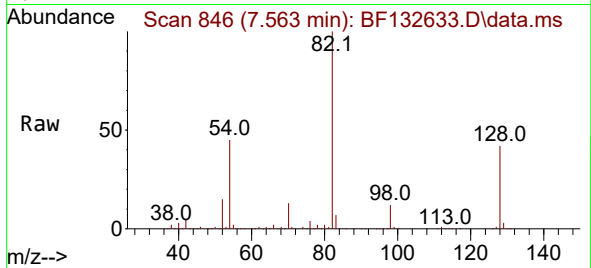




#25
Isophorone
Concen: 34.480 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

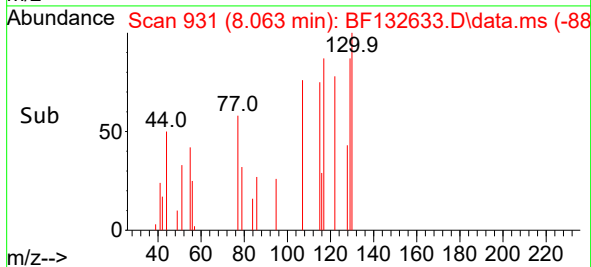
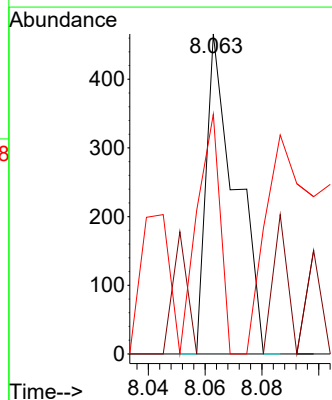
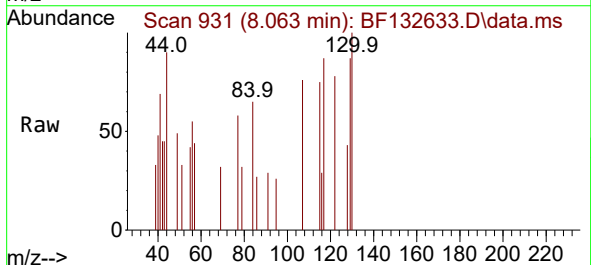
Instrument :
BNA_F
ClientSampleId :
VNJ-223

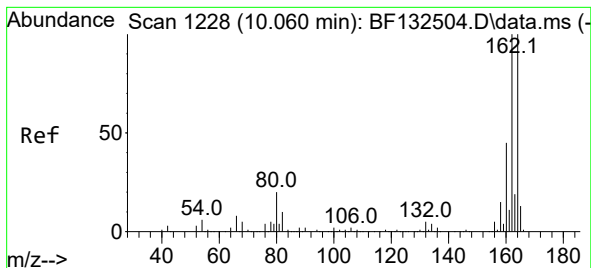
Tgt Ion: 82 Resp: 832419
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.878 ng
RT: 8.063 min Scan# 931
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion: 122 Resp: 334
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 74.9 70.2 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 11

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

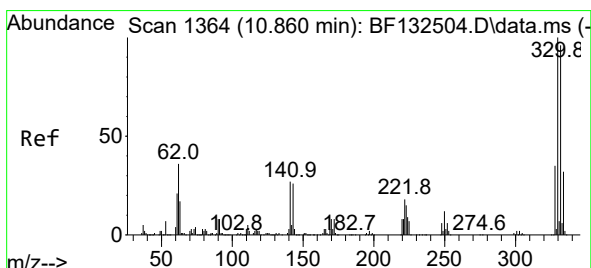
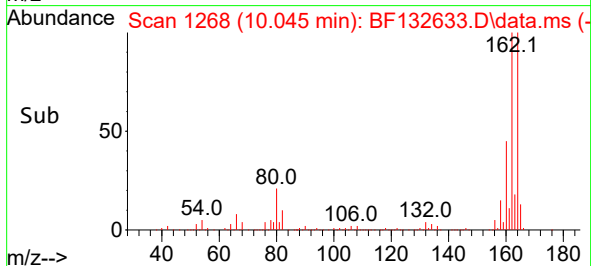
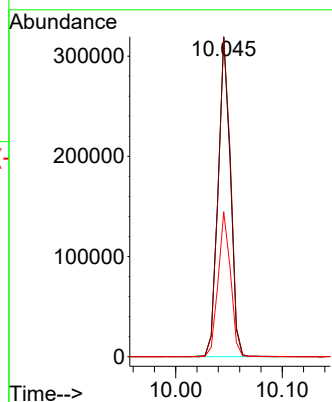
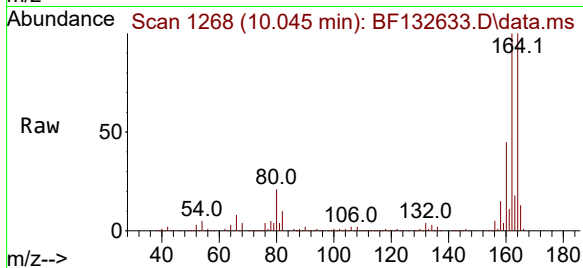
Tgt Ion:164 Resp: 254451

Ion Ratio Lower Upper

164 100

162 100.2 79.8 119.8

160 45.4 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 86.467 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

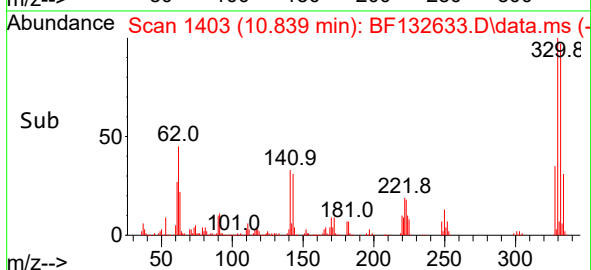
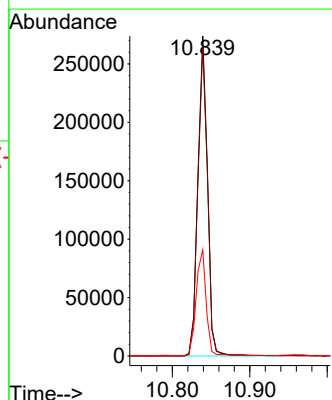
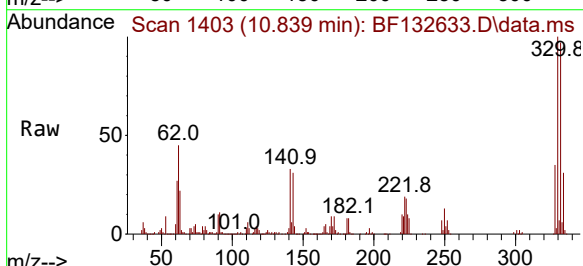
Tgt Ion:330 Resp: 237609

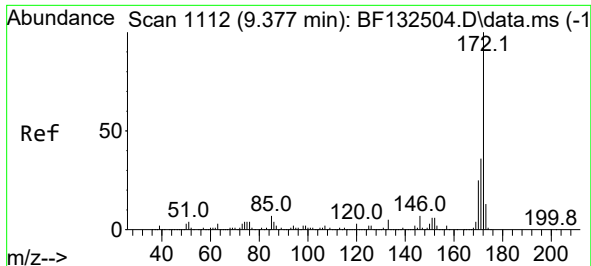
Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.4

141 34.1 28.4 42.6

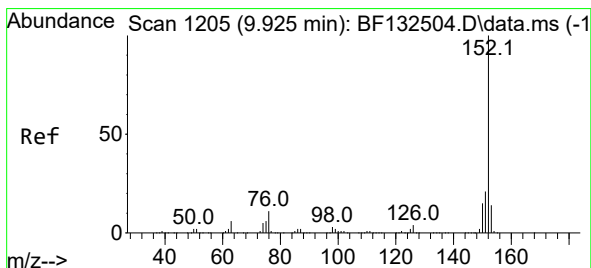
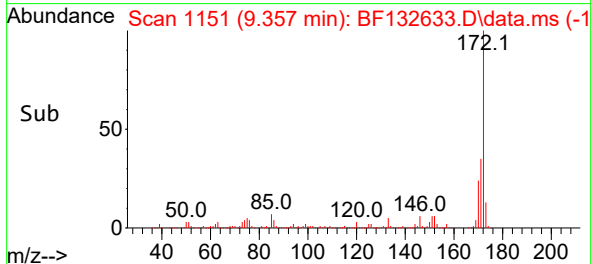
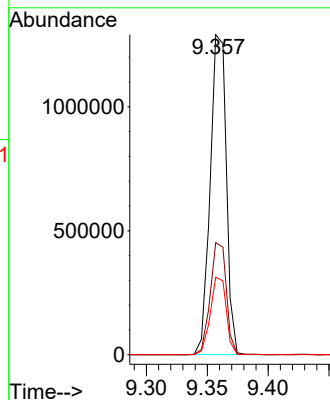
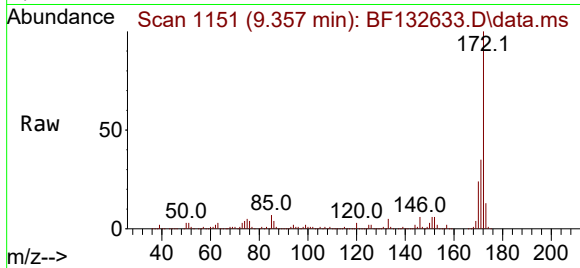




#45
2-Fluorobiphenyl
Concen: 71.162 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

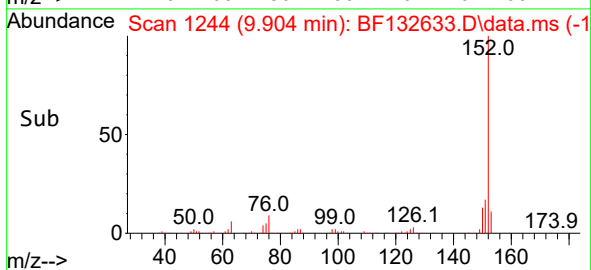
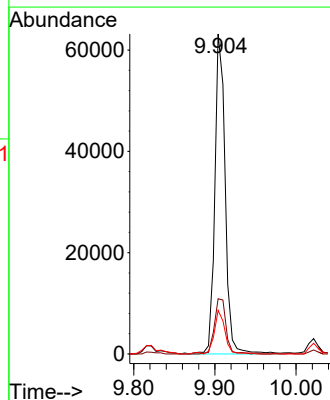
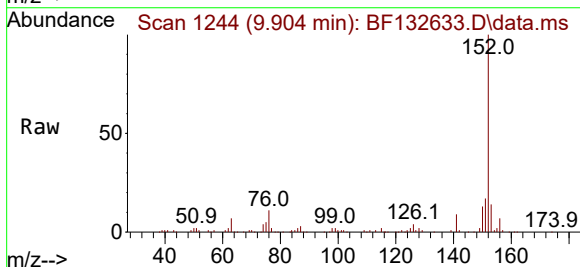
Instrument :
BNA_F
ClientSampleId :
VNJ-223

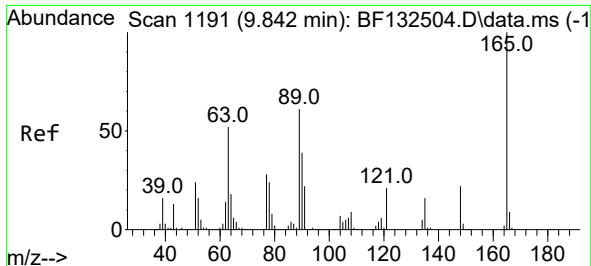
Tgt Ion:172 Resp: 1189179
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.2 19.7 29.5



#49
Acenaphthylene
Concen: 2.302 ng
RT: 9.904 min Scan# 1244
Delta R.T. -0.015 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:152 Resp: 55932
Ion Ratio Lower Upper
152 100
151 17.2 16.4 24.6
153 13.6 11.0 16.6

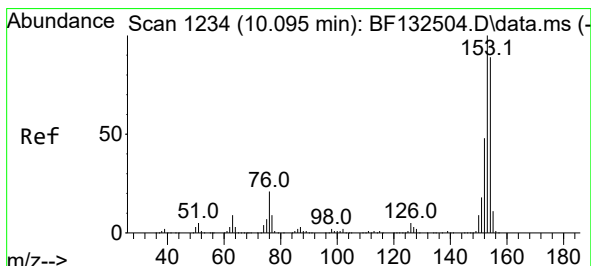
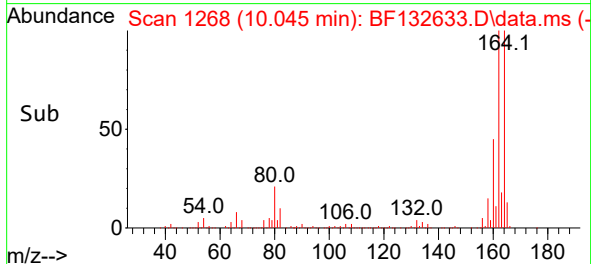
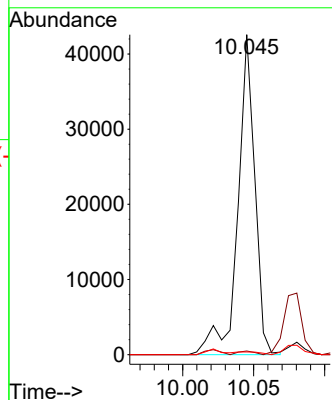
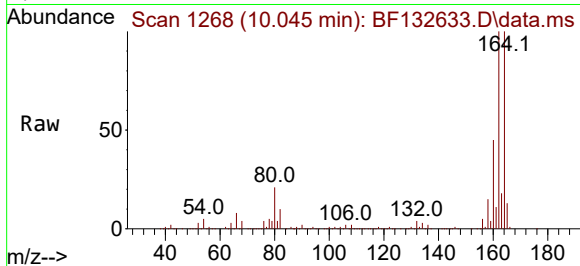




#51
2,6-Dinitrotoluene
Concen: 8.422 ng
RT: 10.045 min Scan# 1191
Delta R.T. 0.209 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

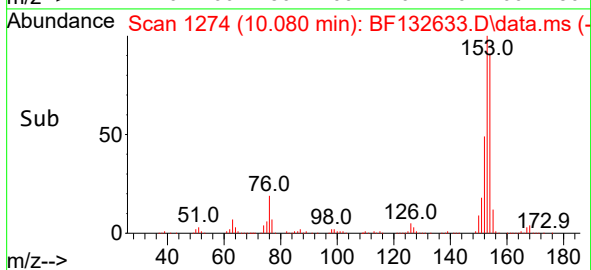
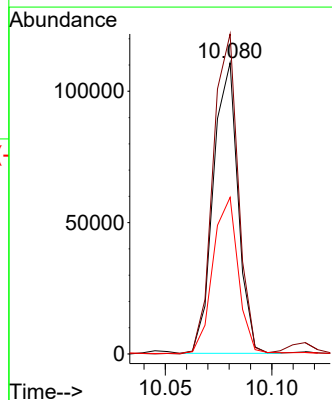
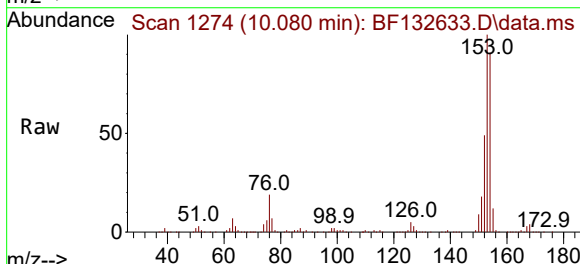
Instrument :
BNA_F
ClientSampleId :
VNJ-223

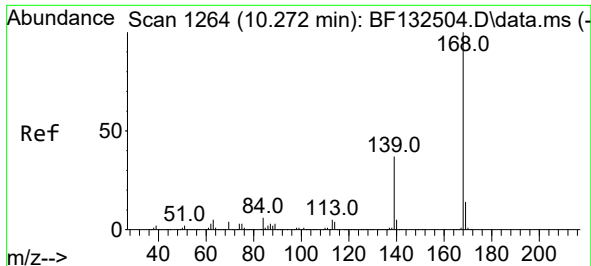
Tgt Ion:165 Resp: 35536
Ion Ratio Lower Upper
165 100
63 1.2 47.3 70.9#
89 0.9 48.9 73.3#



#52
Acenaphthene
Concen: 5.775 ng
RT: 10.080 min Scan# 1274
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:154 Resp: 89116
Ion Ratio Lower Upper
154 100
153 109.9 89.8 134.8
152 53.8 43.3 64.9

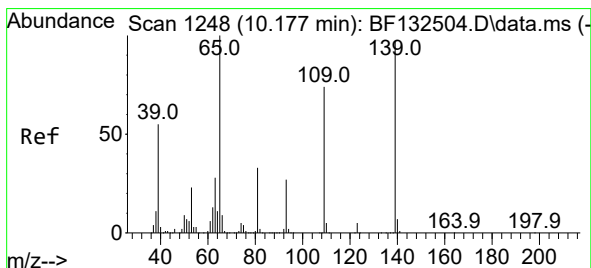
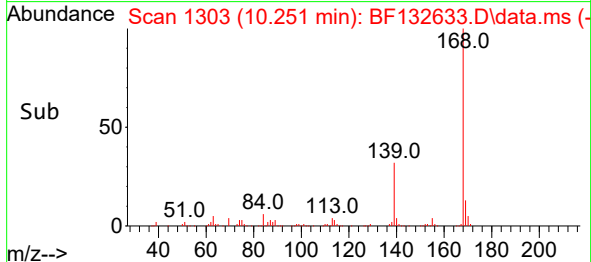
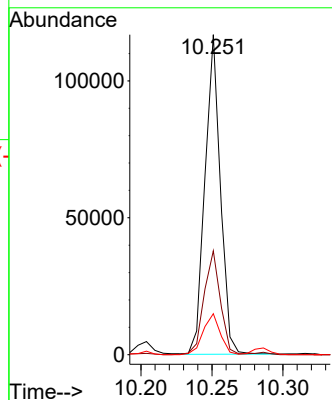
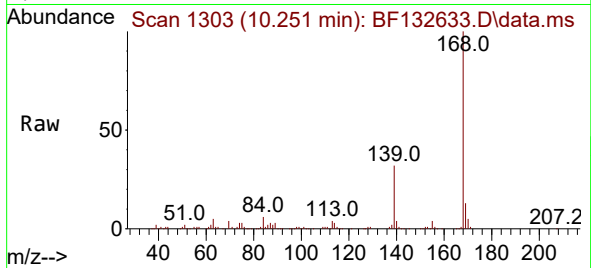




#55
Dibenzenofuran
Concen: 3.932 ng
RT: 10.251 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

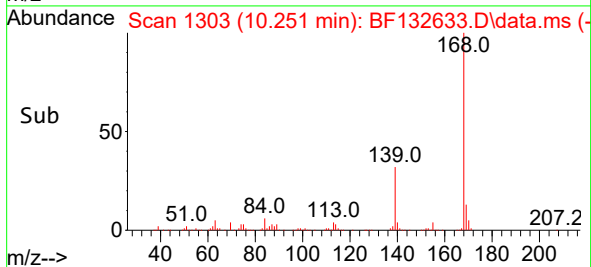
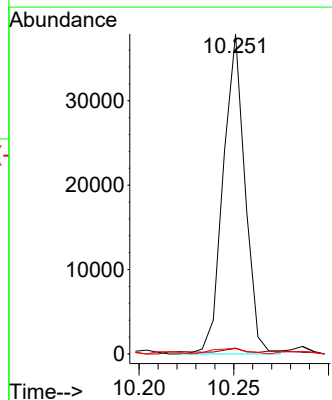
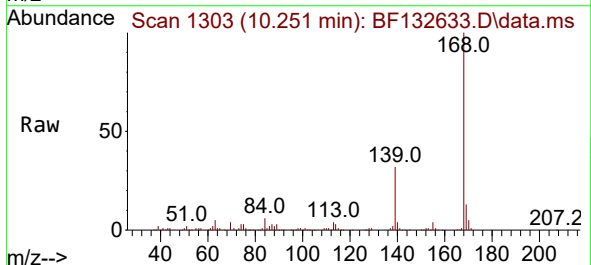
Instrument :
BNA_F
ClientSampleId :
VNJ-223

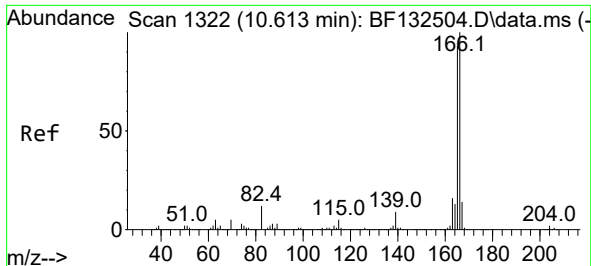
Tgt Ion:168 Resp: 88451
Ion Ratio Lower Upper
168 100
139 32.4 29.8 44.6
169 12.8 10.9 16.3



#56
4-Nitrophenol
Concen: 8.645 ng
RT: 10.251 min Scan# 1303
Delta R.T. 0.085 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:139 Resp: 30429
Ion Ratio Lower Upper
139 100
109 1.7 56.7 96.7#
65 1.9 83.5 123.5#

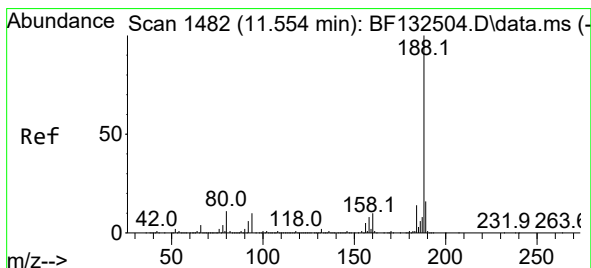
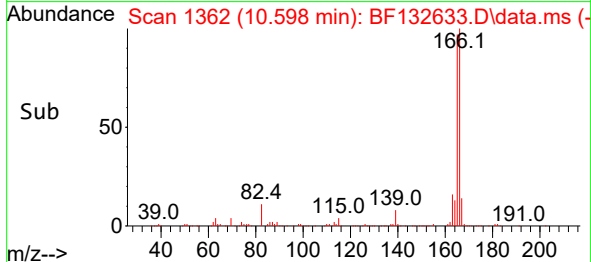
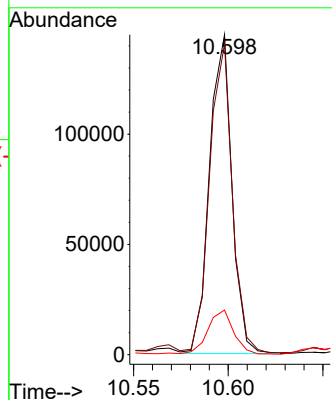
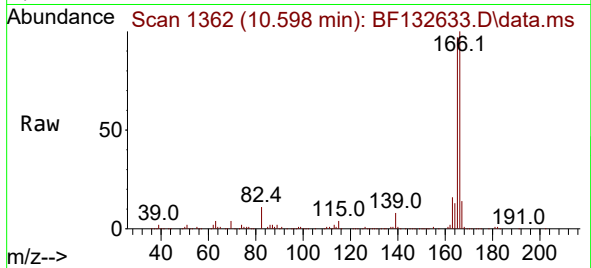




#58
Fluorene
Concen: 6.932 ng
RT: 10.598 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

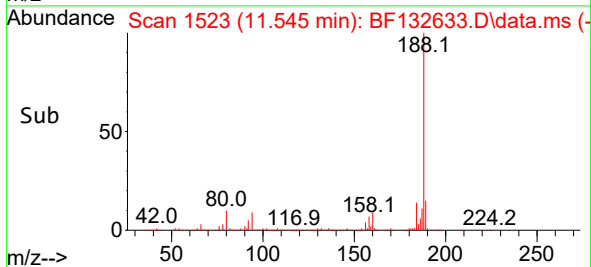
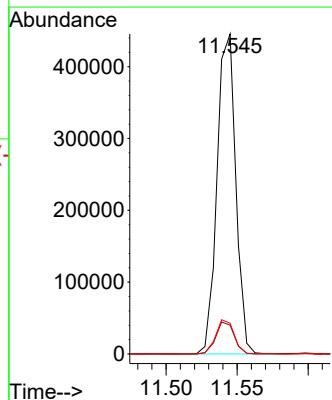
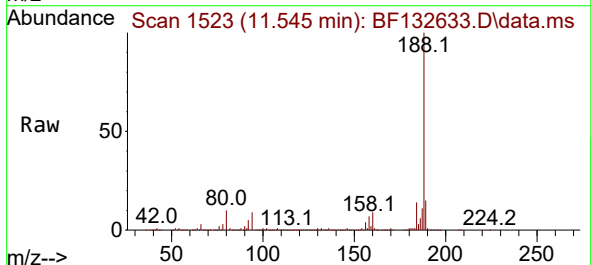
Instrument :
BNA_F
ClientSampleId :
VNJ-223

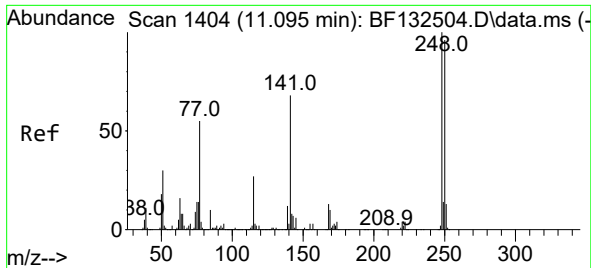
Tgt Ion:166 Resp: 119276
Ion Ratio Lower Upper
166 100
165 97.2 74.2 111.4
167 14.0 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:188 Resp: 407977
Ion Ratio Lower Upper
188 100
94 9.0 8.3 12.5
80 9.6 8.7 13.1

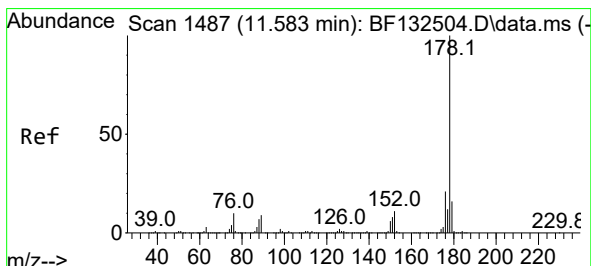
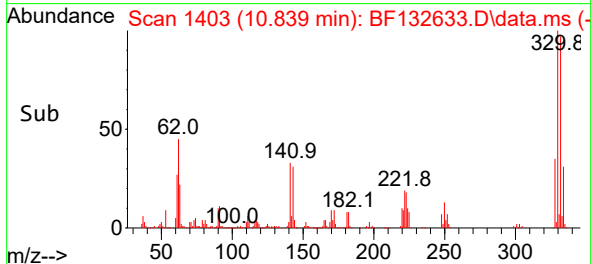
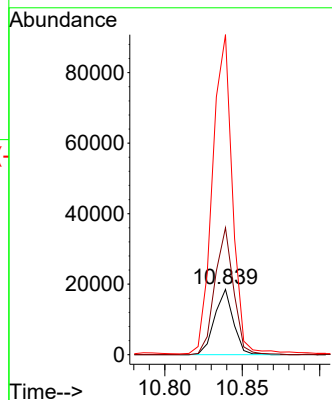
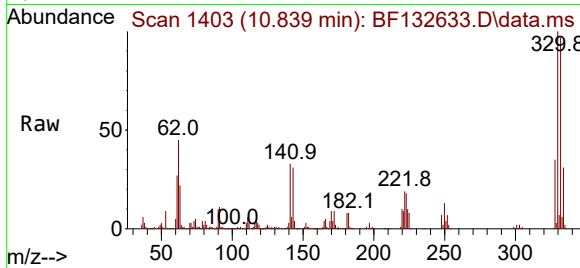




#67
4-Bromophenyl-phenylether
Concen: 3.383 ng
RT: 10.839 min Scan# 14
Delta R.T. -0.250 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

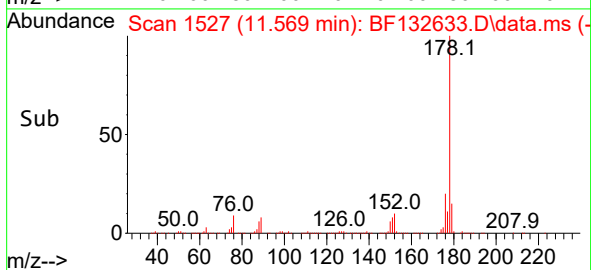
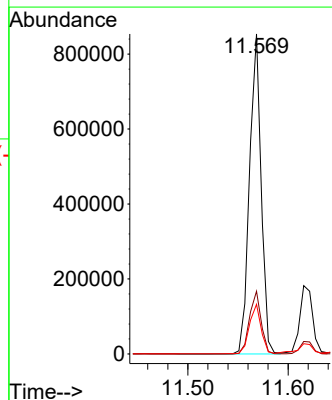
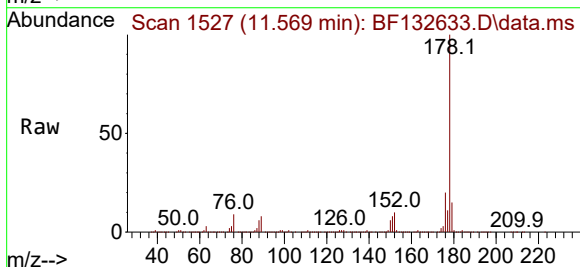
Instrument :
BNA_F
ClientSampleId :
VNJ-223

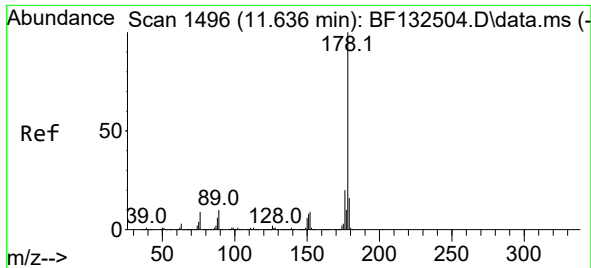
Tgt Ion:248 Resp: 15612
Ion Ratio Lower Upper
248 100
250 194.2 77.0 115.4#
141 489.7 54.2 81.2#



#71
Phenanthrene
Concen: 32.616 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:178 Resp: 689353
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.5 13.0 19.6

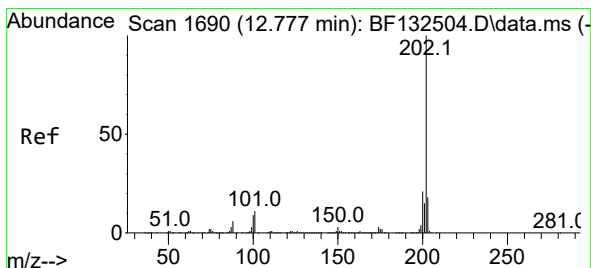
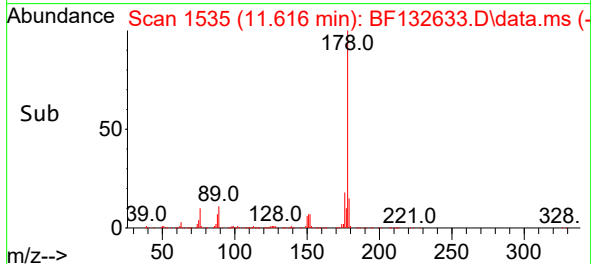
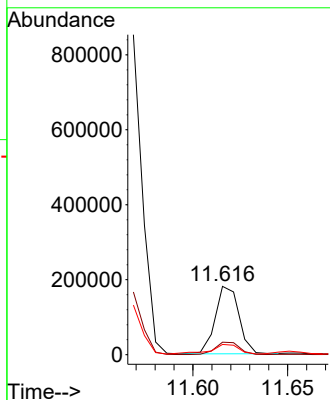
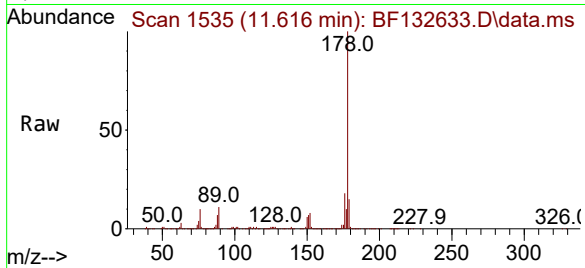




#72
 Anthracene
 Concen: 7.212 ng
 RT: 11.616 min Scan# 11
 Delta R.T. -0.015 min
 Lab File: BF132633.D
 Acq: 03 Mar 2023 17:33

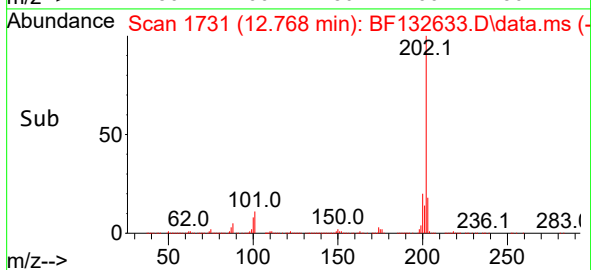
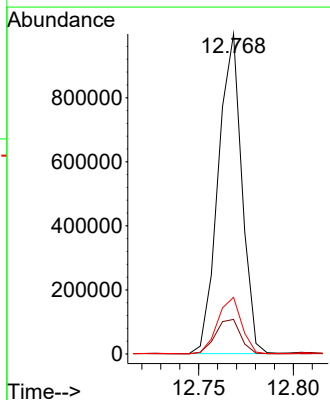
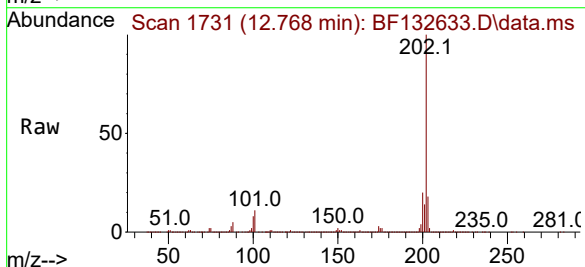
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

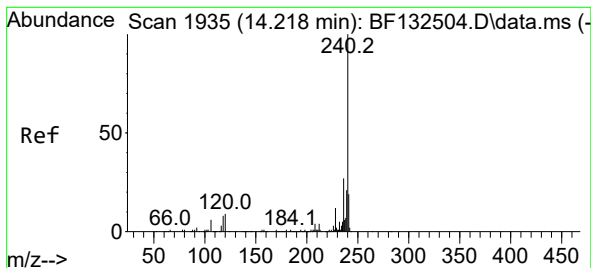
Tgt Ion:178 Resp: 156973
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.6 23.4
 179 15.0 12.5 18.7



#75
 Fluoranthene
 Concen: 37.518 ng
 RT: 12.768 min Scan# 1731
 Delta R.T. -0.003 min
 Lab File: BF132633.D
 Acq: 03 Mar 2023 17:33

Tgt Ion:202 Resp: 866859
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.4
 203 17.7 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.204 min Scan# 1935

Delta R.T. -0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

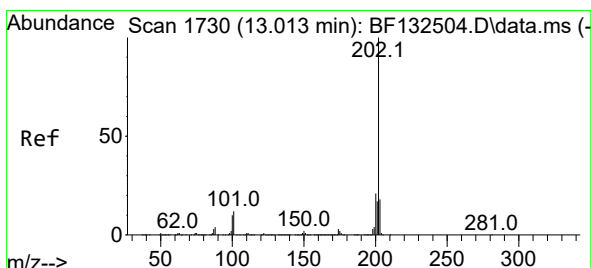
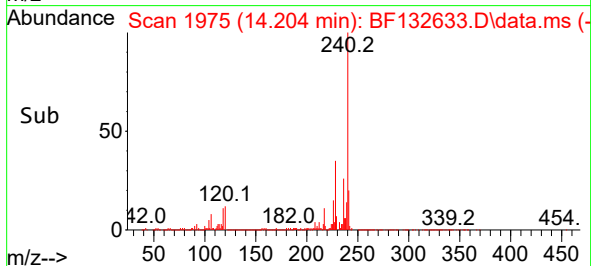
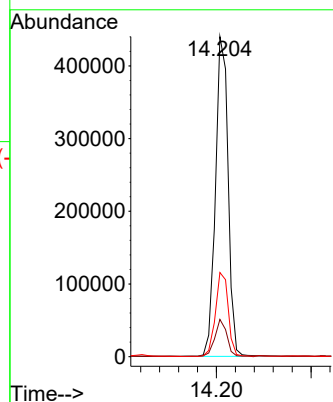
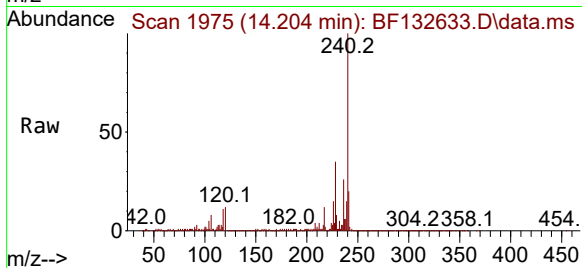
Tgt Ion:240 Resp: 407342

Ion Ratio Lower Upper

240 100

120 11.7 7.2 10.8#

236 26.3 21.8 32.6



#78

Pyrene

Concen: 19.793 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

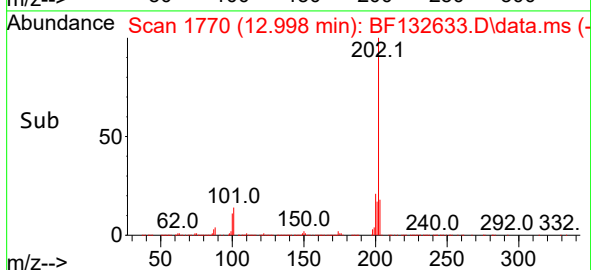
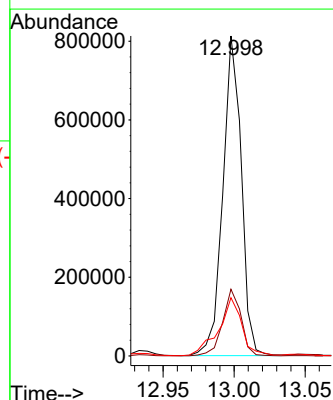
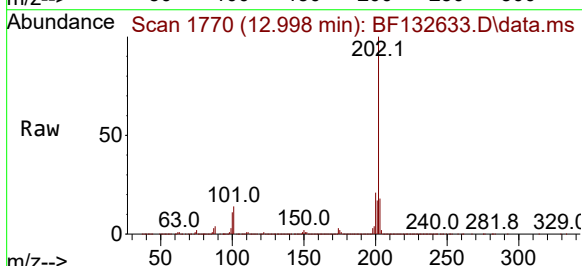
Tgt Ion:202 Resp: 733007

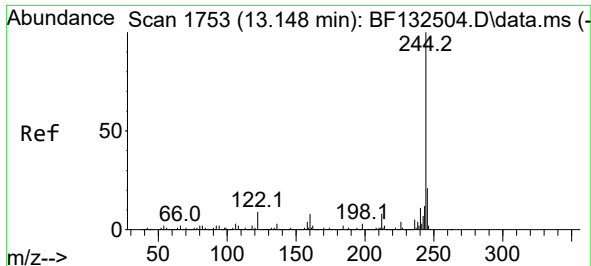
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 18.2 14.6 21.8

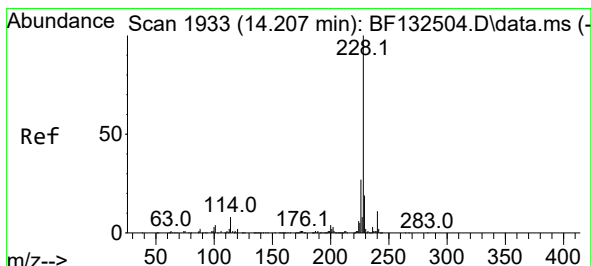
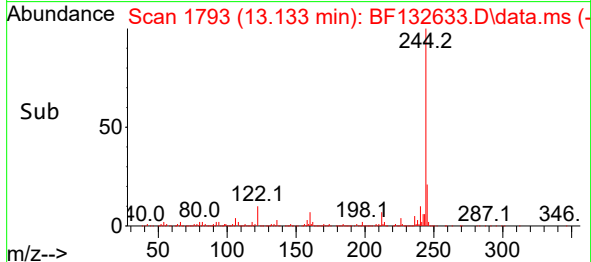
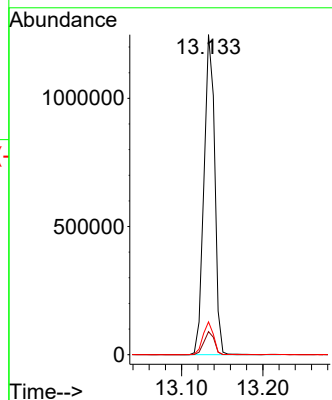
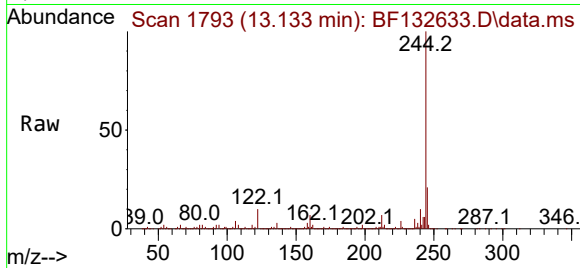




#79
 Terphenyl-d14
 Concen: 47.468 ng
 RT: 13.133 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132633.D
 Acq: 03 Mar 2023 17:33

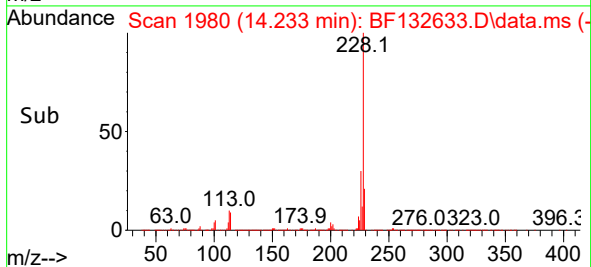
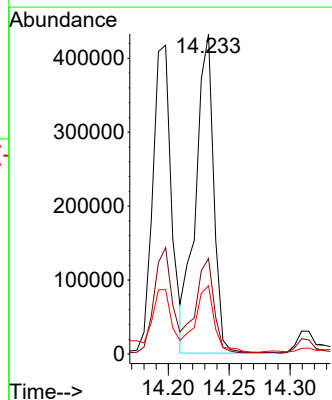
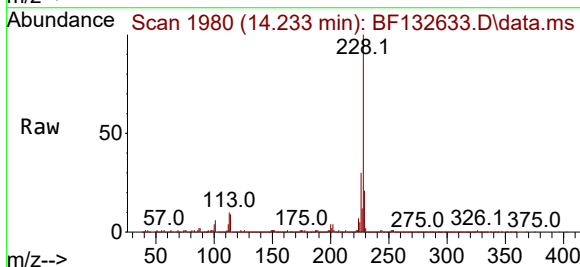
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

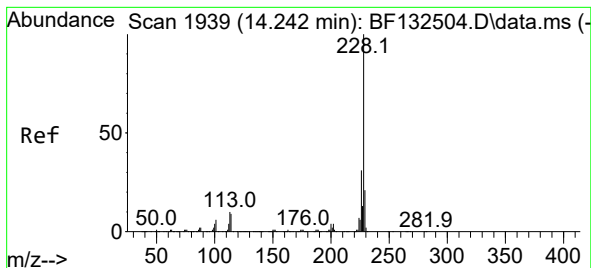
Tgt Ion:244 Resp: 1143632
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 10.3 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 14.566 ng
 RT: 14.233 min Scan# 1980
 Delta R.T. 0.038 min
 Lab File: BF132633.D
 Acq: 03 Mar 2023 17:33

Tgt Ion:228 Resp: 443939
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.7 32.5
 229 21.3 15.4 23.2





#83

Chrysene

Concen: 15.576 ng

RT: 14.233 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

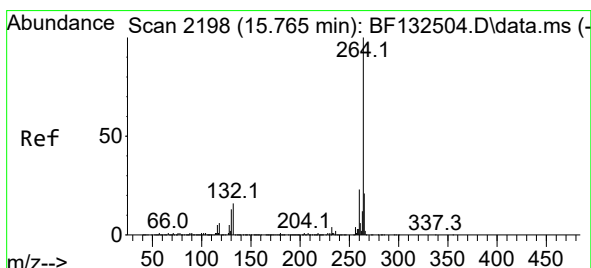
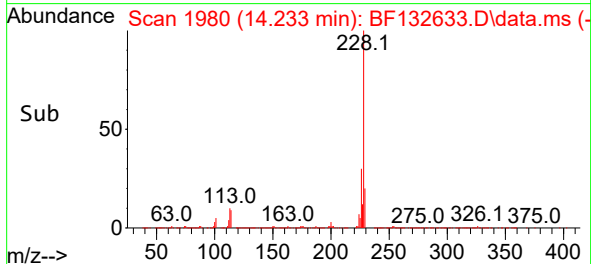
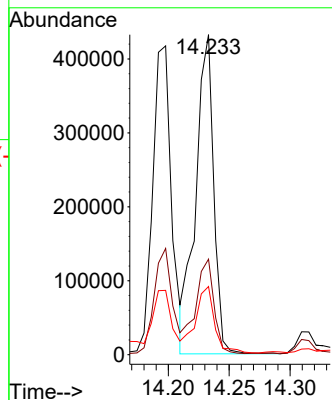
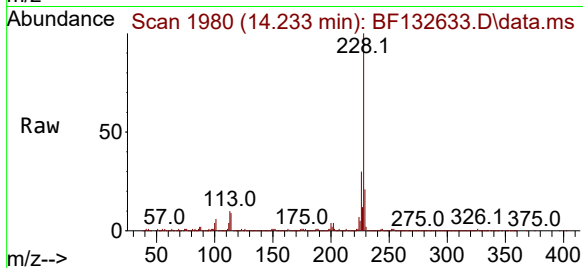
Tgt Ion:228 Resp: 443939

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

229 21.3 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.762 min Scan# 2240

Delta R.T. 0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

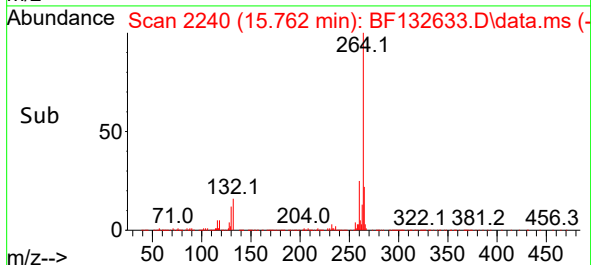
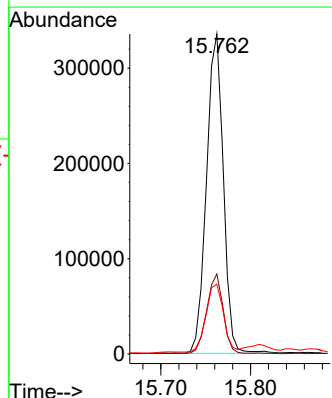
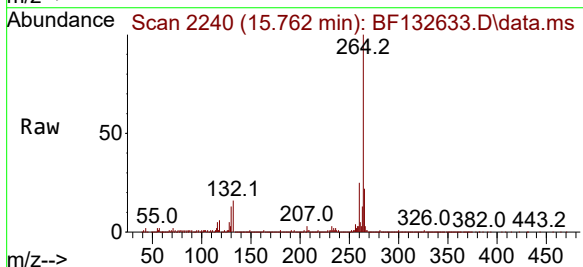
Tgt Ion:264 Resp: 437541

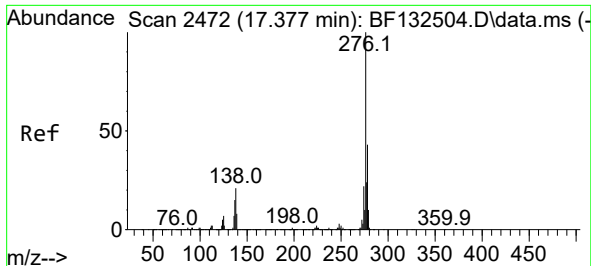
Ion Ratio Lower Upper

264 100

260 25.0 18.8 28.2

265 21.8 17.1 25.7

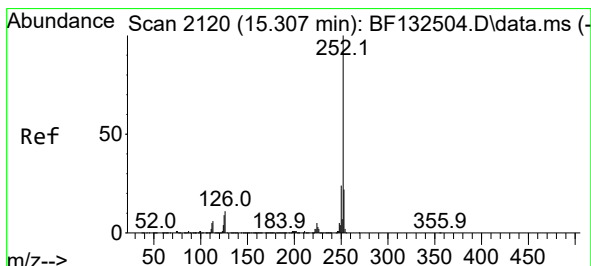
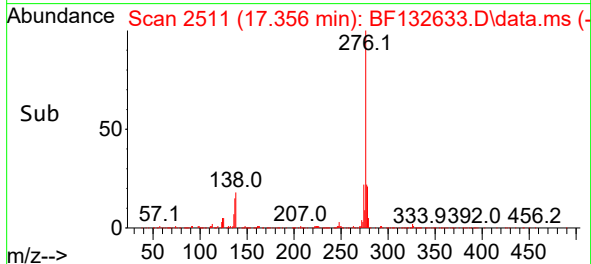
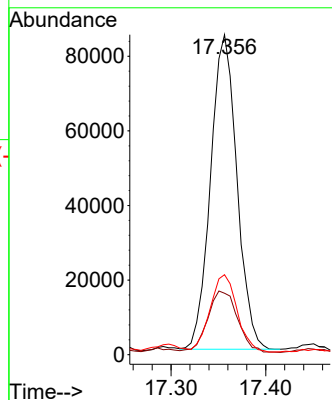
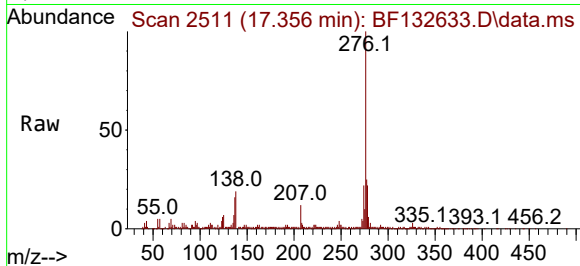




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.683 ng
RT: 17.356 min Scan# 2161
Delta R.T. -0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

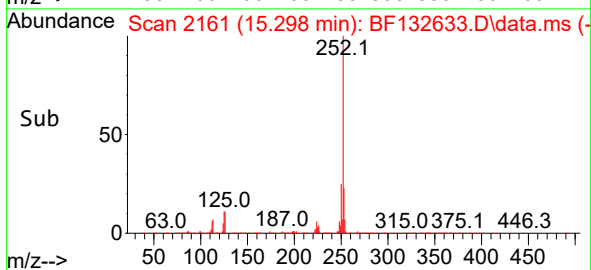
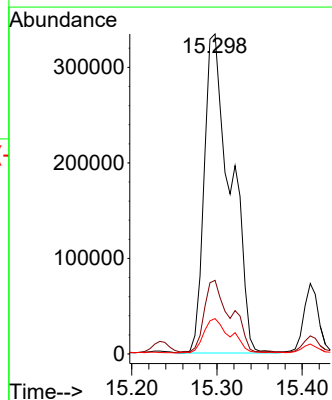
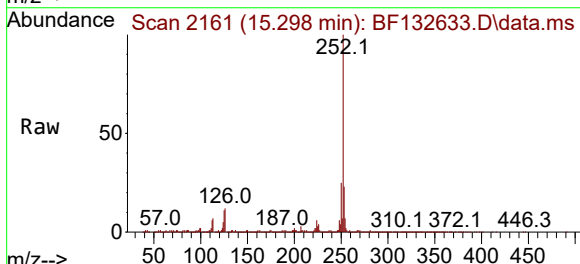
Instrument :
BNA_F
ClientSampleId :
VNJ-223

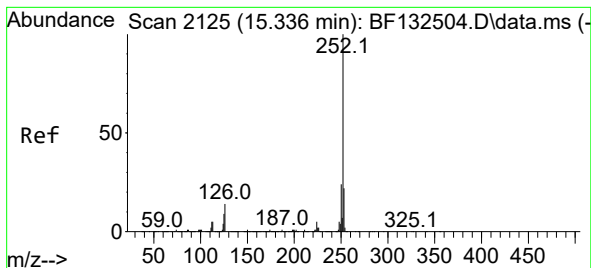
Tgt Ion:276 Resp: 162921
Ion Ratio Lower Upper
276 100
138 22.2 19.0 28.4
277 25.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 24.609 ng
RT: 15.298 min Scan# 2161
Delta R.T. 0.003 min
Lab File: BF132633.D
Acq: 03 Mar 2023 17:33

Tgt Ion:252 Resp: 721584
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.1 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 25.145 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.027 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

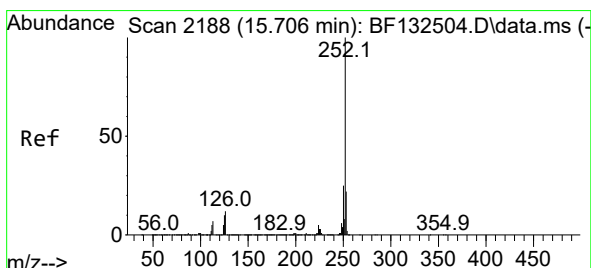
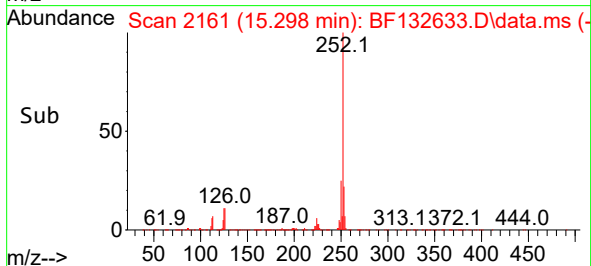
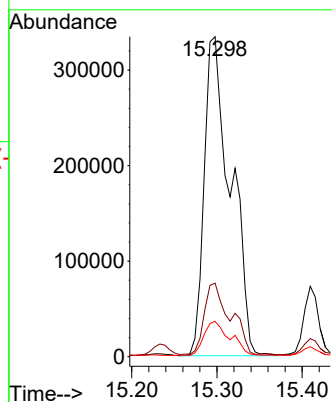
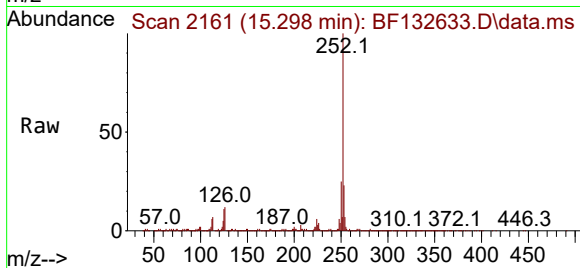
Tgt Ion:252 Resp: 721584

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 11.1 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 12.236 ng

RT: 15.692 min Scan# 2228

Delta R.T. 0.003 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

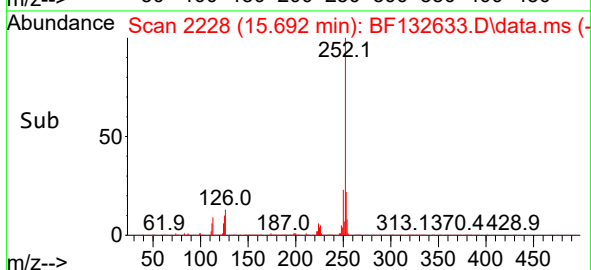
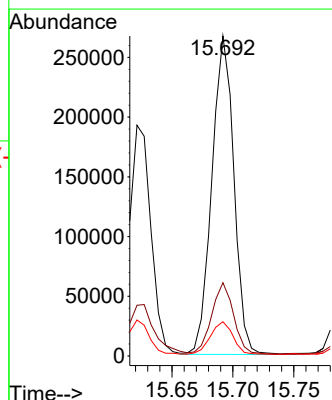
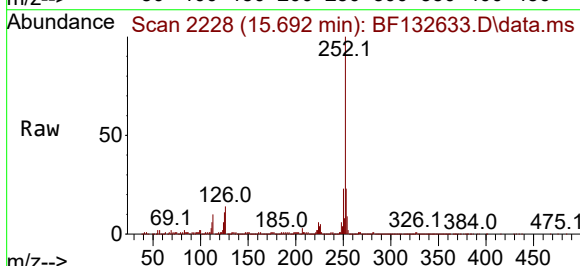
Tgt Ion:252 Resp: 335780

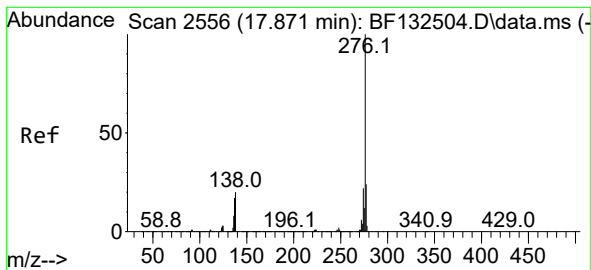
Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 10.7 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 6.658 ng

RT: 17.845 min Scan# 21

Delta R.T. -0.009 min

Lab File: BF132633.D

Acq: 03 Mar 2023 17:33

Instrument :

BNA_F

ClientSampleId :

VNJ-223

Tgt Ion:276 Resp: 137789

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 22.1 16.2 24.4

