

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134255.D
 Acq On : 12 Jul 2023 19:47
 Operator : CG\JU
 Sample : 03555-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203

Quant Time: Jul 12 23:23:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

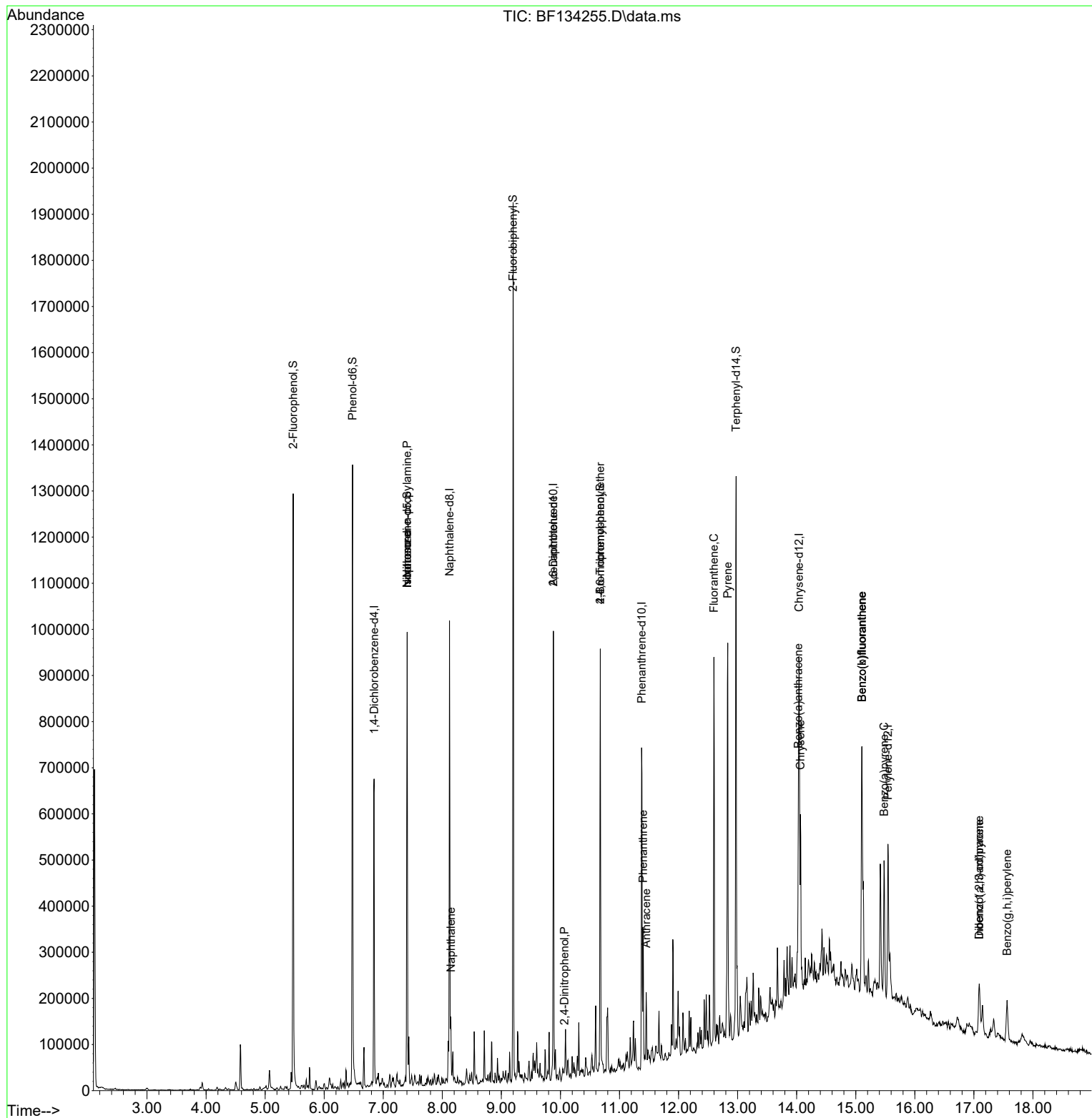
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	99122	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	383636	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	174476	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	268576	20.000	ng	0.00
76) Chrysene-d12	14.039	240	184216	20.000	ng	0.00
86) Perylene-d12	15.545	264	162804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	323982	54.675	ng	0.00
7) Phenol-d6	6.481	99	401653	55.116	ng	0.00
23) Nitrobenzene-d5	7.404	82	266345	37.425	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	101505	46.401	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	531803	44.315	ng	0.00
79) Terphenyl-d14	12.974	244	422191	36.885	ng	0.00
Target Compounds						
9) Benzaldehyde	6.398	77	1821	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	39595	8.568	ng	# 10
25) Isophorone	7.404	82	266345	20.592	ng	# 64
31) Naphthalene	8.145	128	48899	2.639	ng	# 99
51) 2,6-Dinitrotoluene	9.881	165	23564	8.638	ng	# 23
54) 2,4-Dinitrophenol	10.069	184	58	3.899	ng	# 41
67) 4-Bromophenyl-phenylether	10.675	248	6077	2.129	ng	# 1
71) Phenanthrene	11.398	178	111172	8.222	ng	# 98
72) Anthracene	11.451	178	59922	4.261	ng	# 99
75) Fluoranthene	12.598	202	325104	22.242	ng	# 100
78) Pyrene	12.833	202	368636	21.503	ng	# 99
81) Benzo(a)anthracene	14.027	228	176432	13.810	ng	# 96
83) Chrysene	14.063	228	184006	14.870	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.092	276	82158	7.273	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	377176	39.400	ng	# 99
89) Benzo(k)fluoranthene	15.104	252	377176	38.697	ng	# 97
90) Benzo(a)pyrene	15.480	252	143788	15.533	ng	# 96
91) Dibenzo(a,h)anthracene	17.092	278	23220	2.516	ng	# 82
92) Benzo(g,h,i)perylene	17.562	276	76865	8.078	ng	# 98

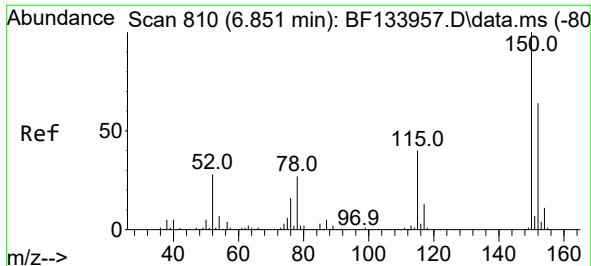
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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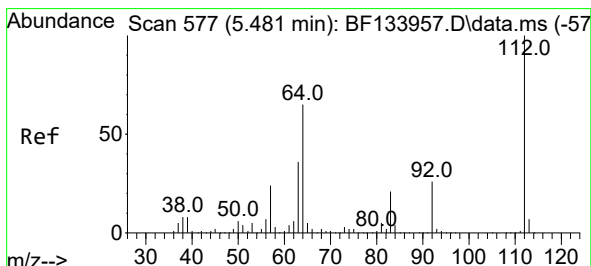
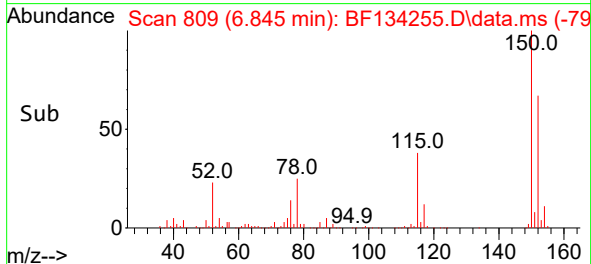
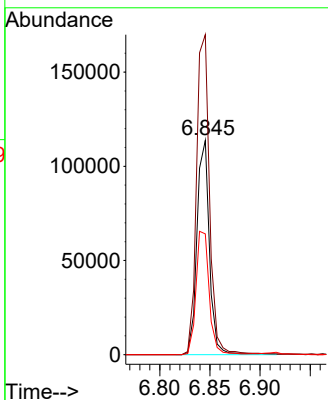
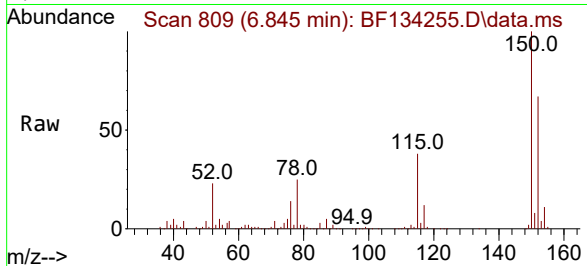




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

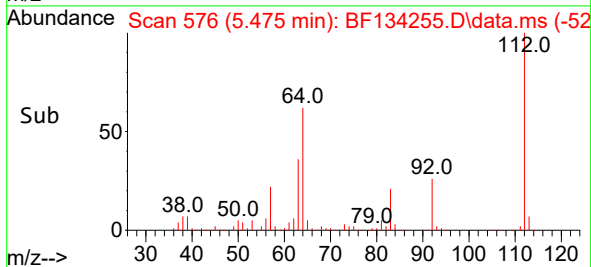
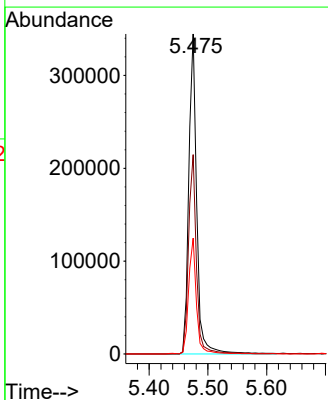
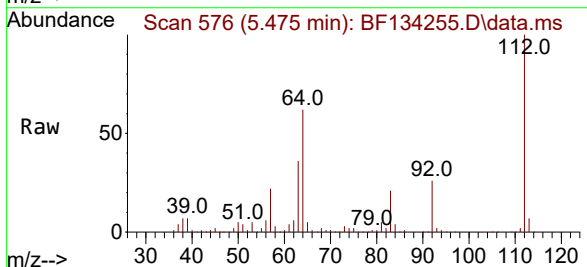
Instrument :
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VNJ-203

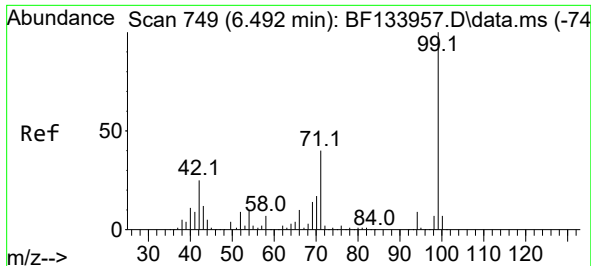
Tgt Ion:152 Resp: 99122
Ion Ratio Lower Upper
152 100
150 149.3 124.5 186.7
115 56.4 50.2 75.2



#5
2-Fluorophenol
Concen: 54.675 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion:112 Resp: 323982
Ion Ratio Lower Upper
112 100
64 62.3 52.1 78.1
63 36.2 28.6 42.8

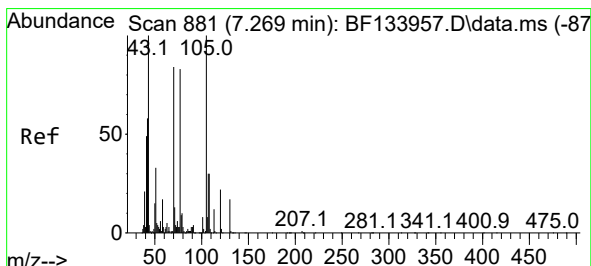
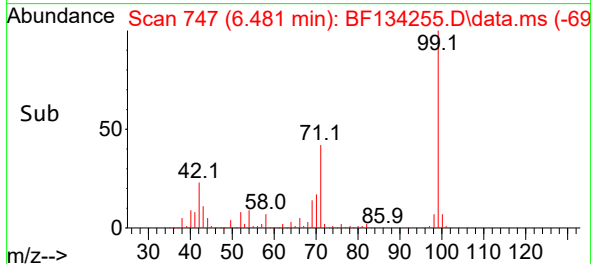
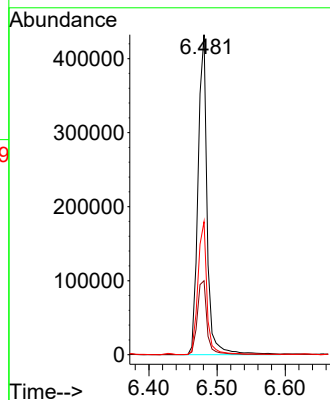
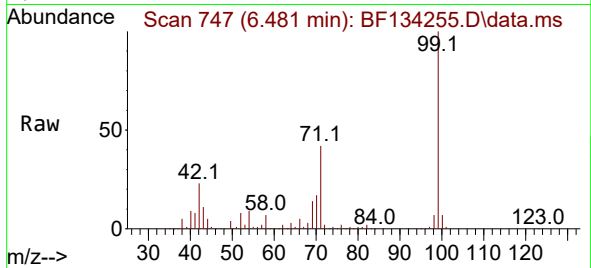




#7
Phenol-d6
Concen: 55.116 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

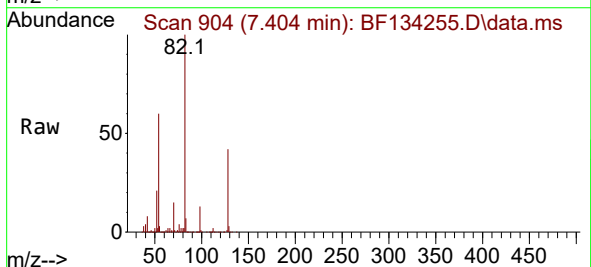
Instrument :
BNA_F
ClientSampleId :
VNJ-203

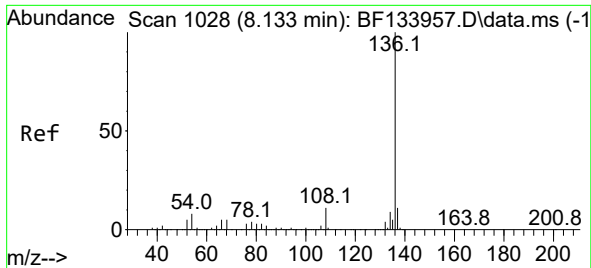
Tgt Ion: 99 Resp: 401653
Ion Ratio Lower Upper
99 100
42 23.1 19.8 29.6
71 41.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.568 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion: 70 Resp: 39595
Ion Ratio Lower Upper
70 100
42 52.0 54.7 82.1#
101 0.0 7.7 11.5#
130 2.1 16.4 24.6#

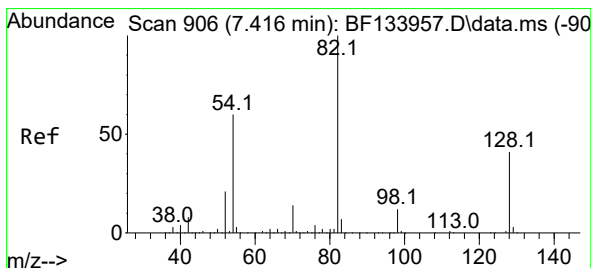
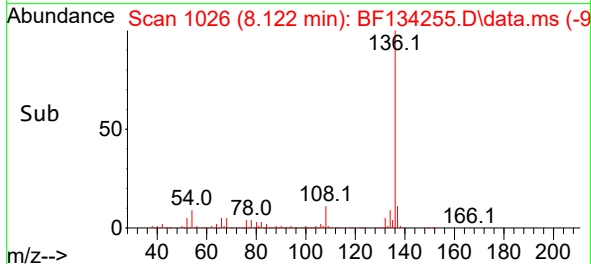
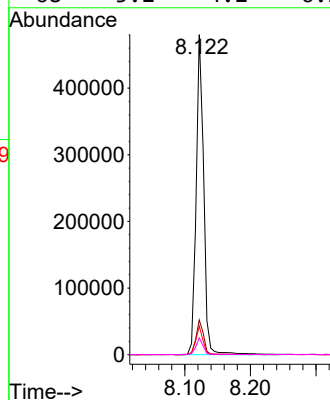
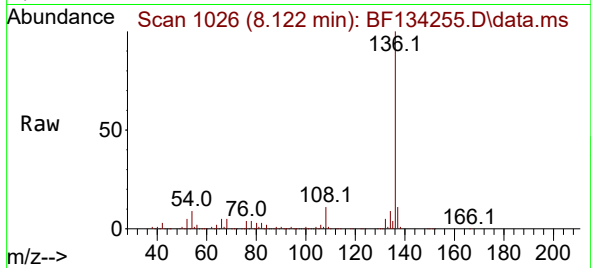




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

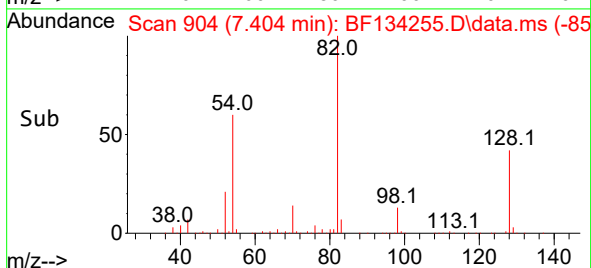
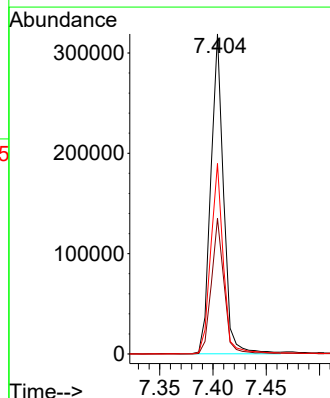
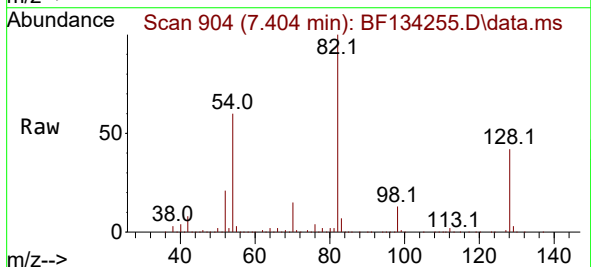
Instrument :
BNA_F
ClientSampleId :
VNJ-203

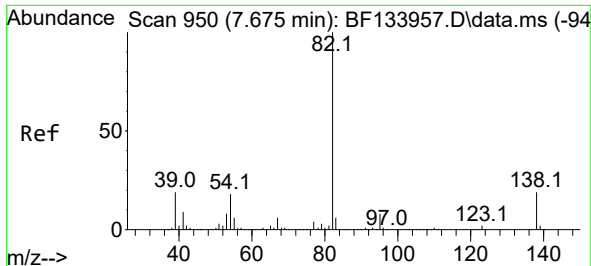
Tgt Ion:136 Resp: 383636
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.9 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 37.425 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion: 82 Resp: 266345
Ion Ratio Lower Upper
82 100
128 42.4 32.5 48.7
54 59.5 48.2 72.2

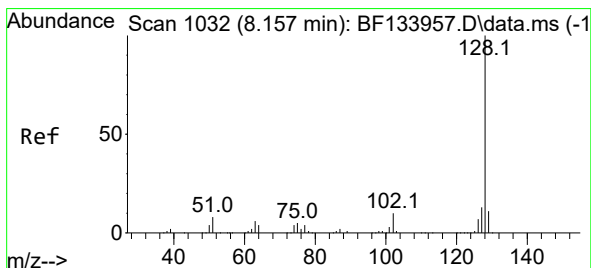
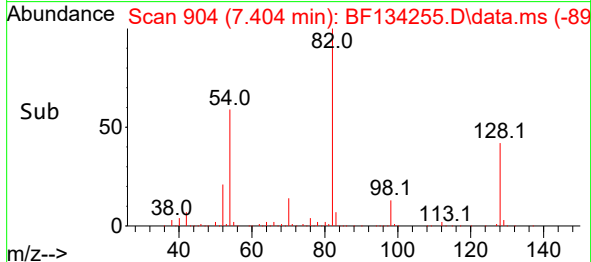
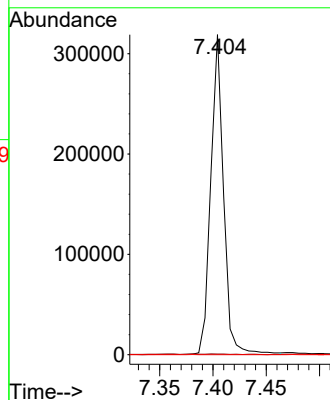
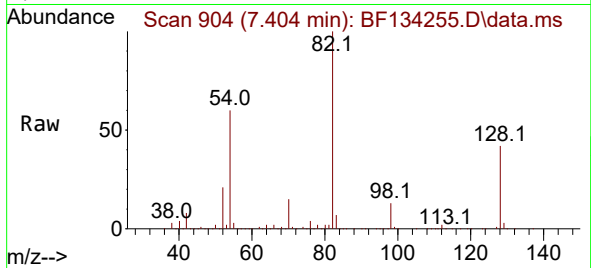




#25
Isophorone
Concen: 20.592 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

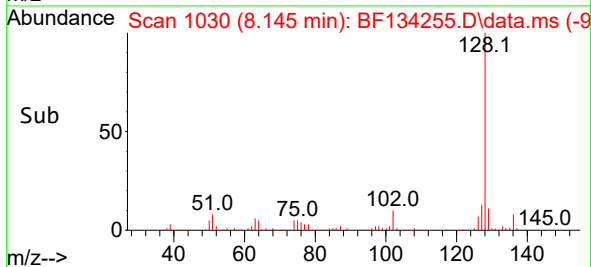
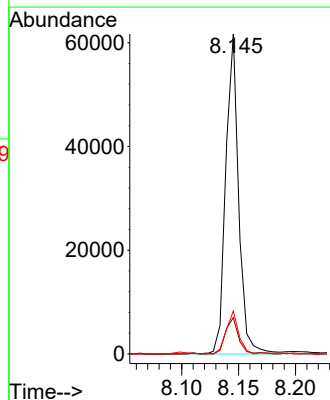
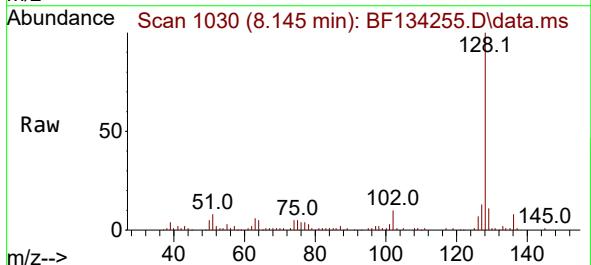
Instrument :
BNA_F
ClientSampleId :
VNJ-203

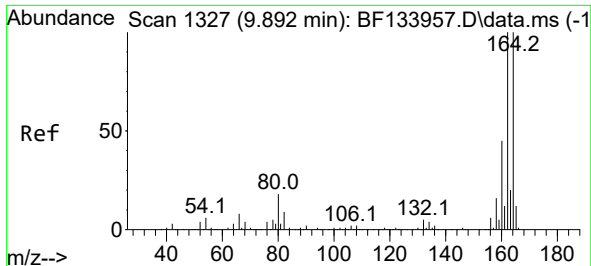
Tgt Ion: 82 Resp: 266345
Ion Ratio Lower Upper
82 100
95 0.2 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.639 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion: 128 Resp: 48899
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.4 10.6 15.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

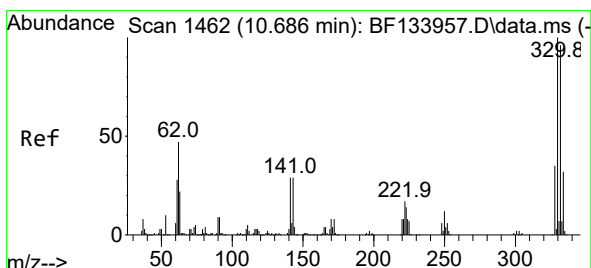
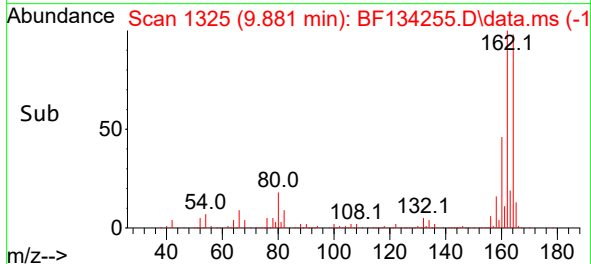
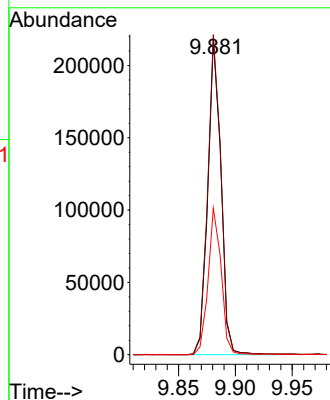
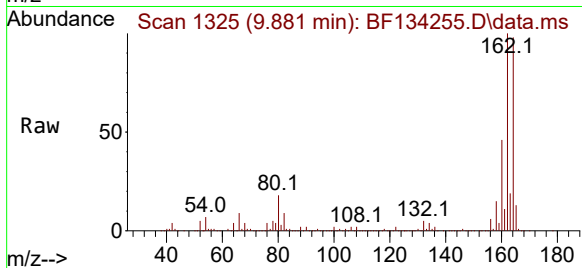
Tgt Ion:164 Resp: 174476

Ion Ratio Lower Upper

164 100

162 101.7 80.0 120.0

160 46.5 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 46.401 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

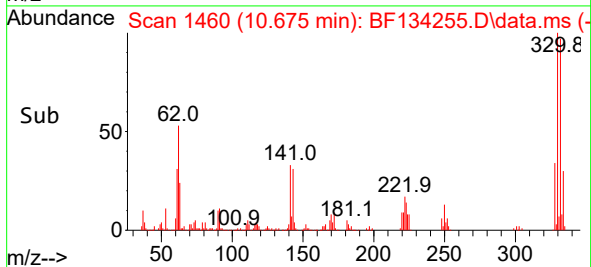
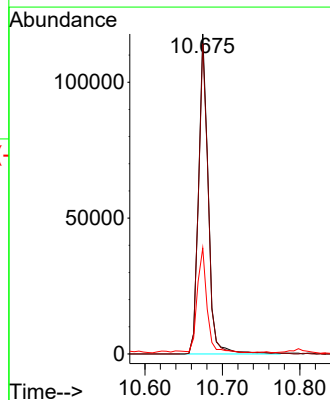
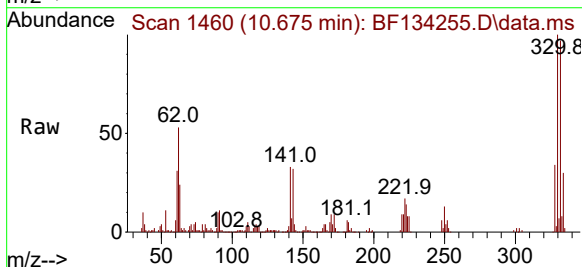
Tgt Ion:330 Resp: 101505

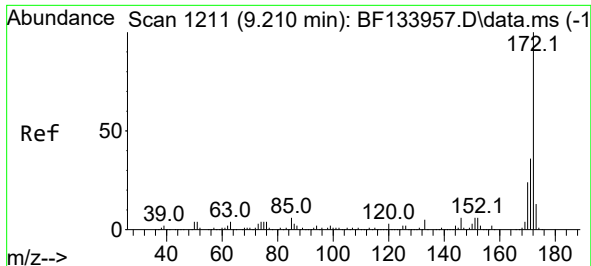
Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 33.4 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 44.315 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

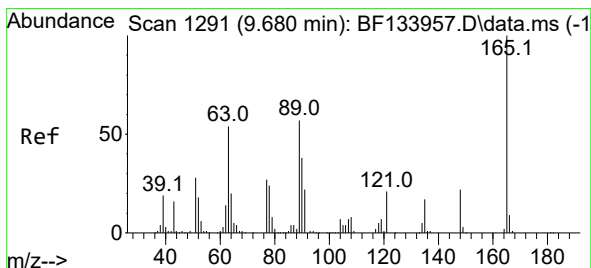
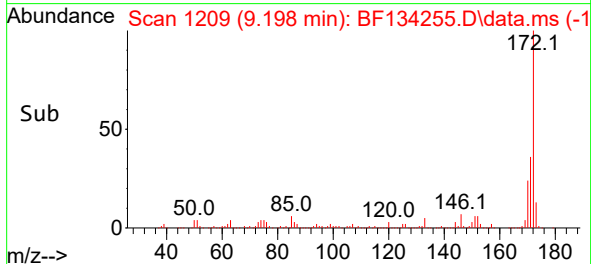
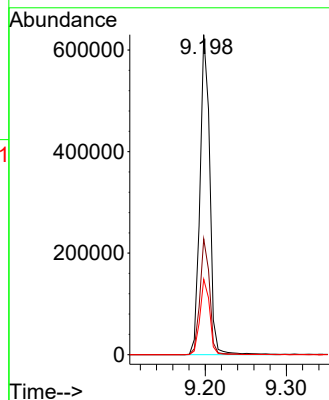
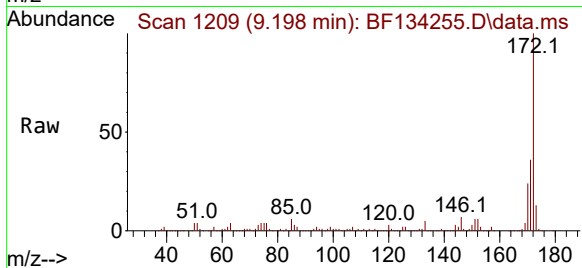
Tgt Ion:172 Resp: 531803

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

170 23.6 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.638 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

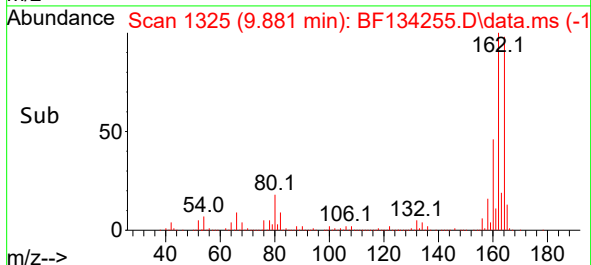
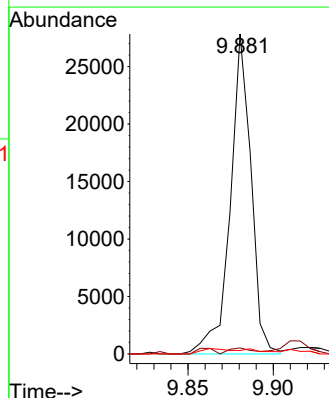
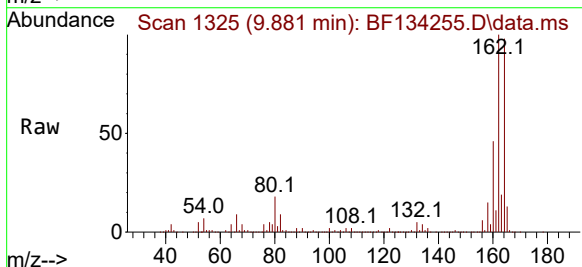
Tgt Ion:165 Resp: 23564

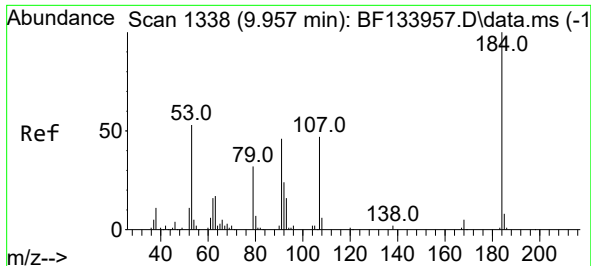
Ion Ratio Lower Upper

165 100

63 1.9 48.5 72.7#

89 1.1 45.5 68.3#

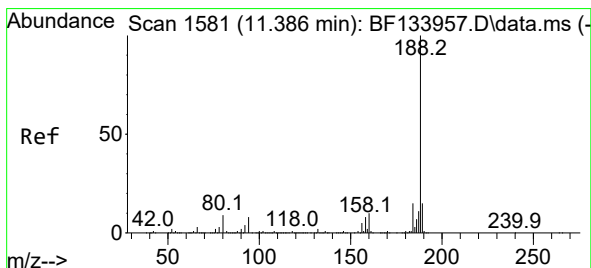
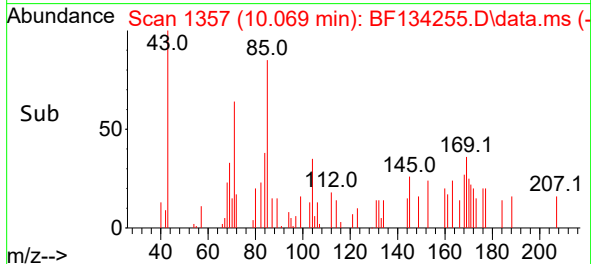
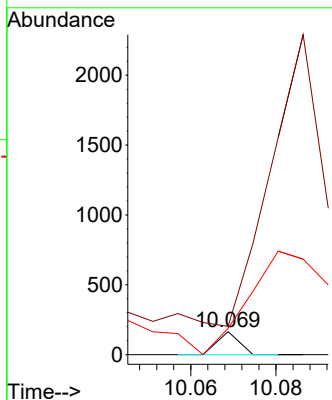
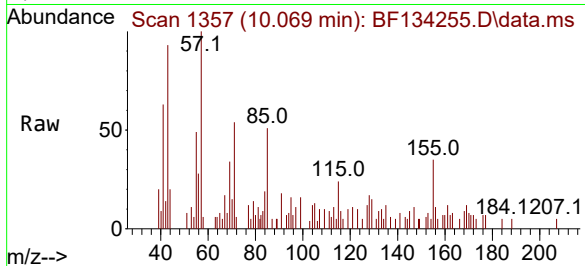




#54
2,4-Dinitrophenol
Concen: 3.899 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.112 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

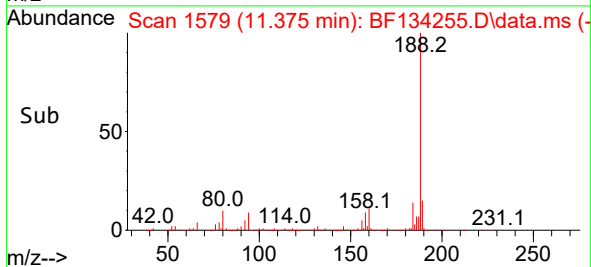
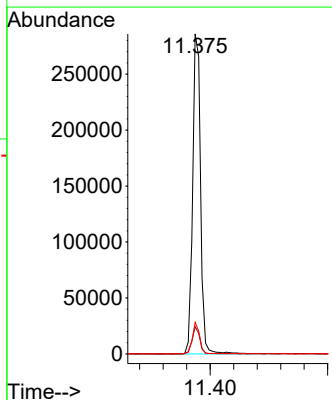
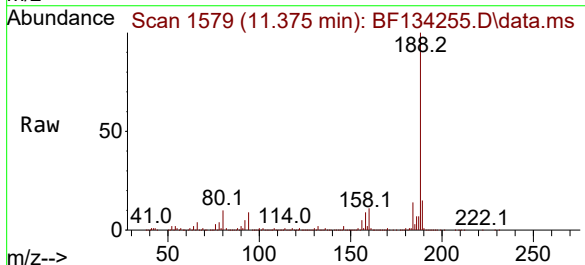
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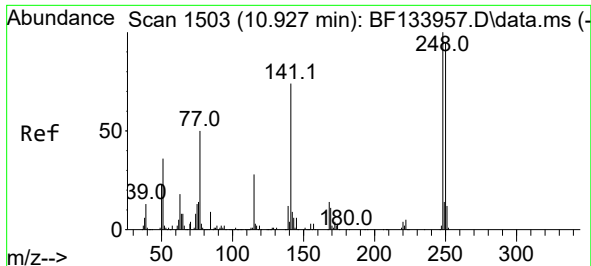
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 122.4 56.9 85.3#
154 114.5 55.4 83.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion:188 Resp: 268576
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 9.9 7.3 10.9

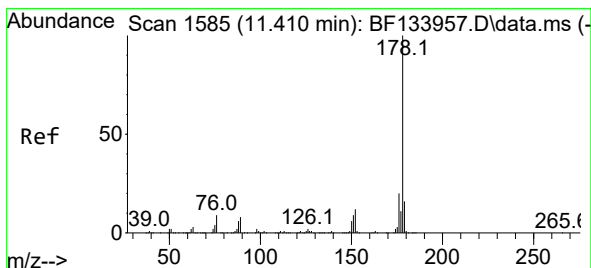
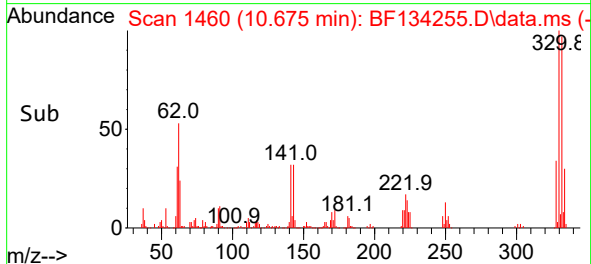
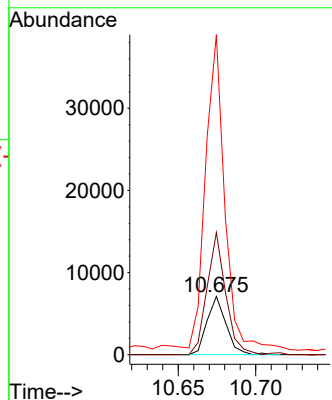
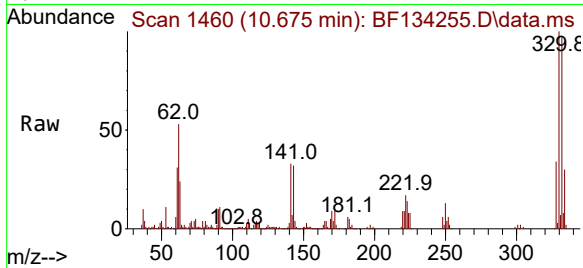




#67
4-Bromophenyl-phenylether
Concen: 2.129 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

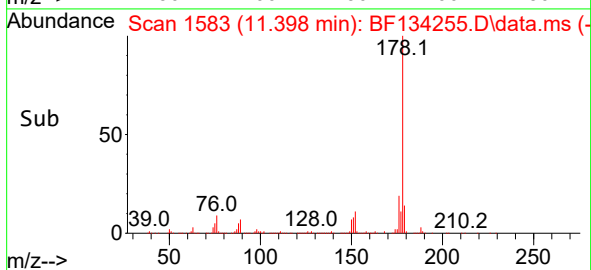
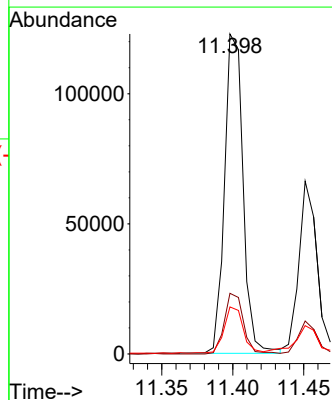
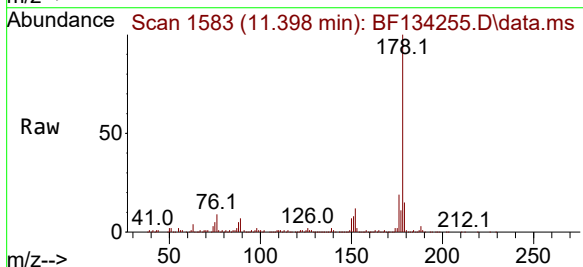
Instrument :
BNA_F
ClientSampleId :
VNJ-203

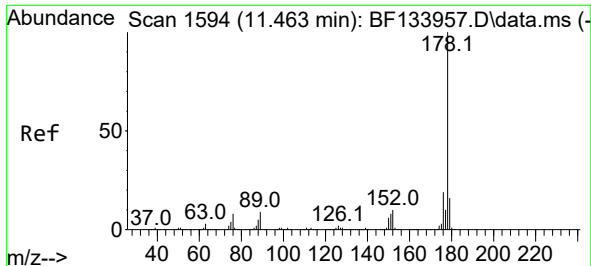
Tgt Ion:248 Resp: 6077
Ion Ratio Lower Upper
248 100
250 209.8 76.2 114.4#
141 549.5 59.0 88.4#



#71
Phenanthrene
Concen: 8.222 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134255.D
Acq: 12 Jul 2023 19:47

Tgt Ion:178 Resp: 111172
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.7 12.4 18.6

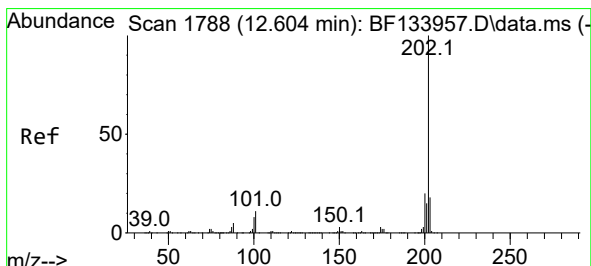
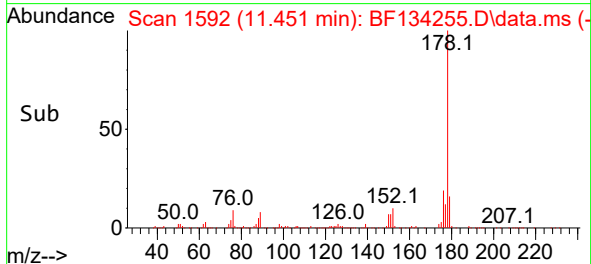
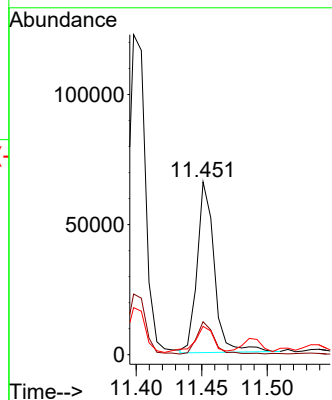
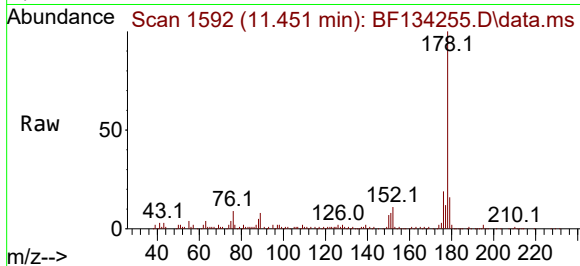




#72
 Anthracene
 Concen: 4.261 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134255.D
 Acq: 12 Jul 2023 19:47

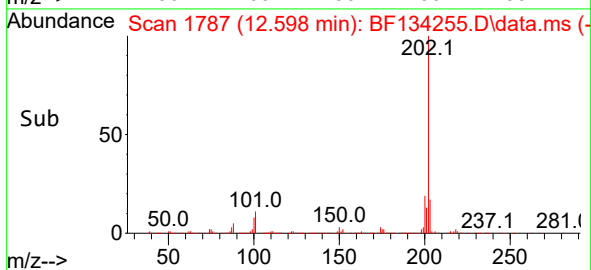
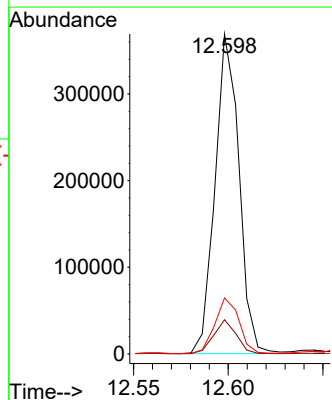
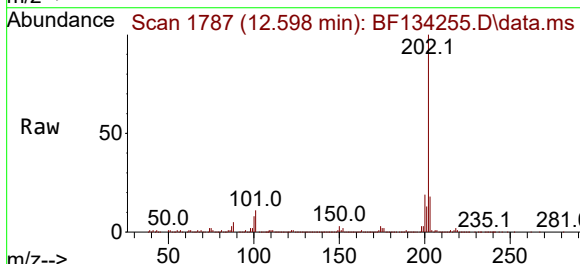
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203

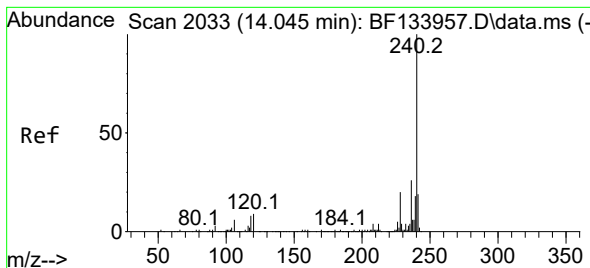
Tgt Ion:178 Resp: 59922
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 16.4 12.4 18.6



#75
 Fluoranthene
 Concen: 22.242 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF134255.D
 Acq: 12 Jul 2023 19:47

Tgt Ion:202 Resp: 325104
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.0
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

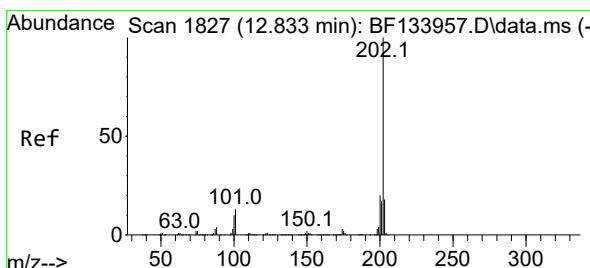
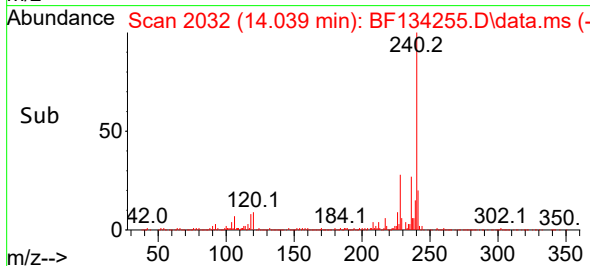
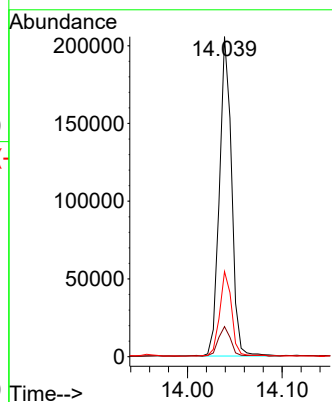
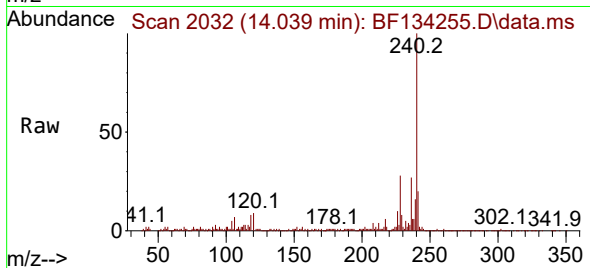
Tgt Ion:240 Resp: 184216

Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.0

236 26.6 21.0 31.6



#78

Pyrene

Concen: 21.503 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

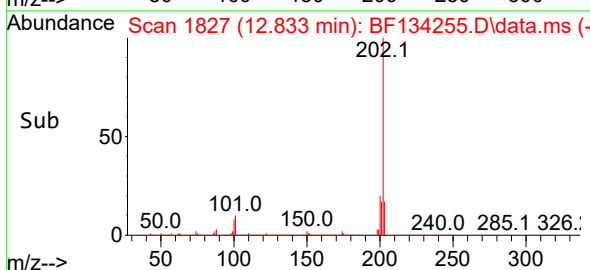
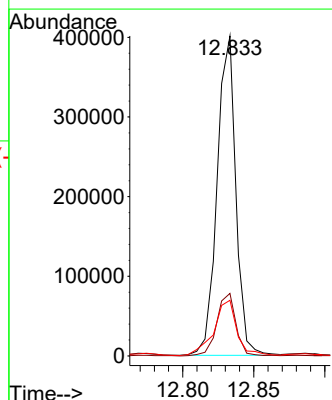
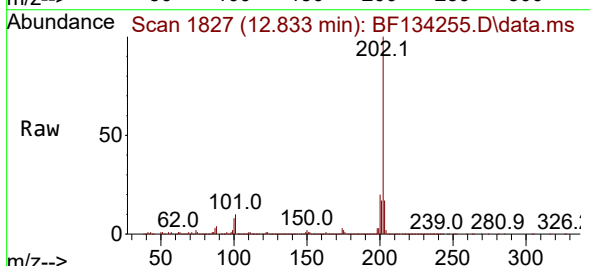
Tgt Ion:202 Resp: 368636

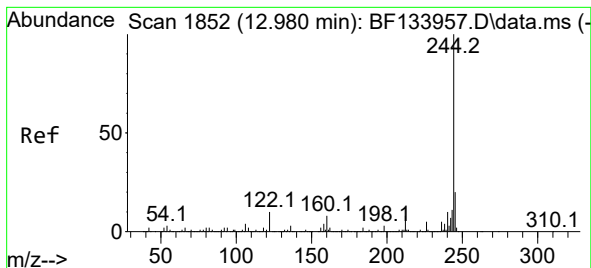
Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 36.885 ng

RT: 12.974 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

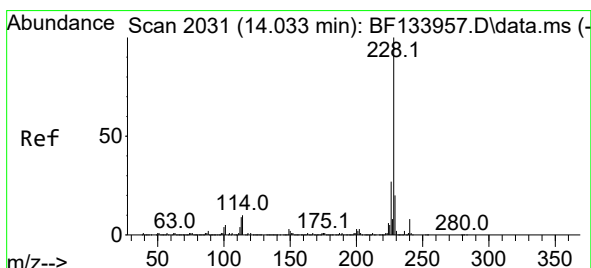
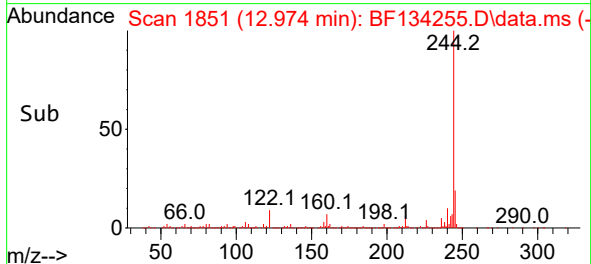
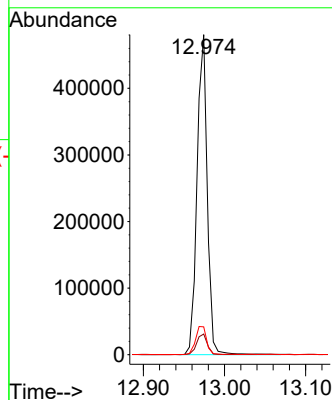
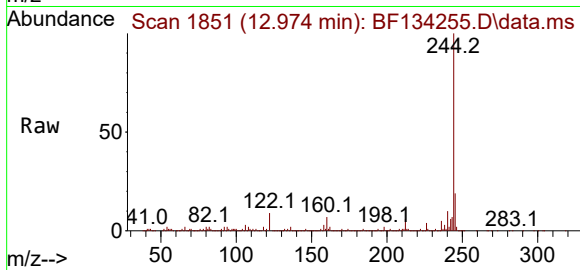
Tgt Ion:244 Resp: 422191

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

122 8.7 8.3 12.5



#81

Benzo(a)anthracene

Concen: 13.810 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

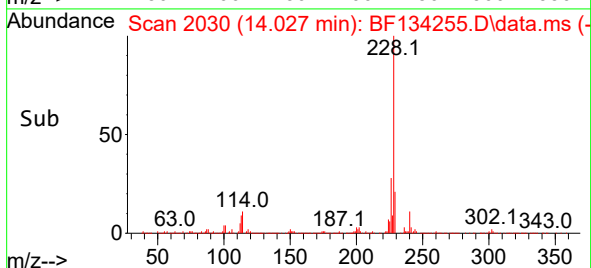
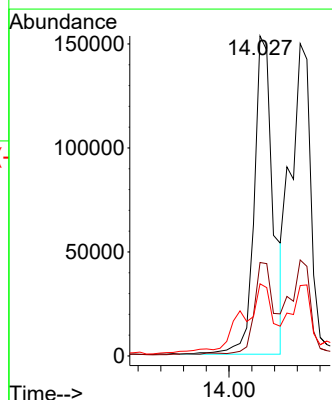
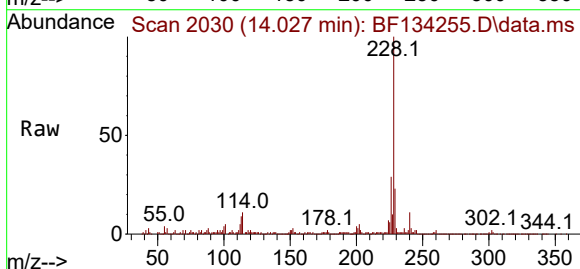
Tgt Ion:228 Resp: 176432

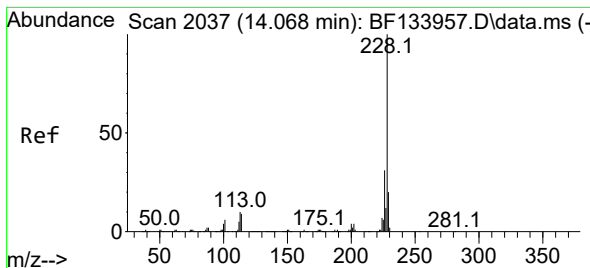
Ion Ratio Lower Upper

228 100

226 29.2 22.0 33.0

229 22.6 16.3 24.5





#83

Chrysene

Concen: 14.870 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

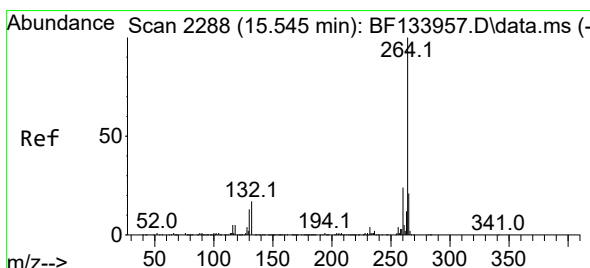
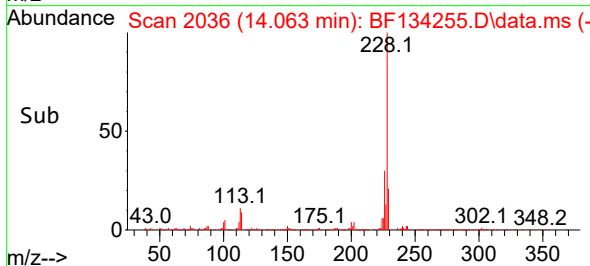
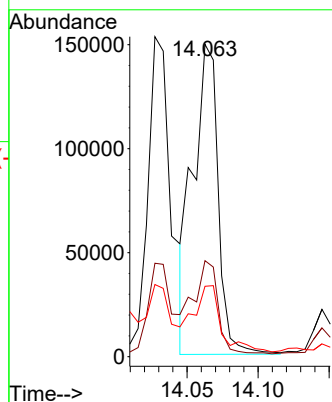
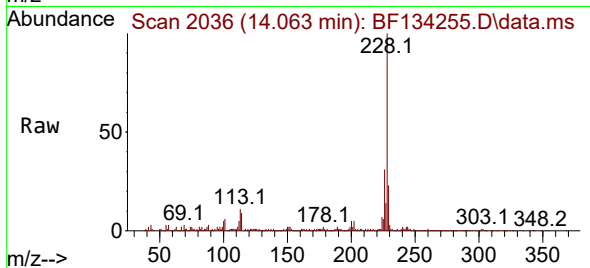
Tgt Ion:228 Resp: 184006

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 22.5 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

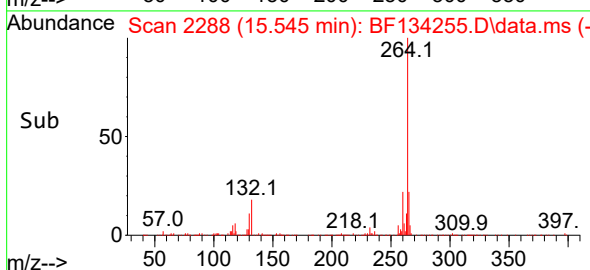
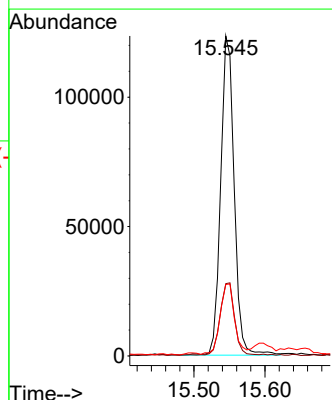
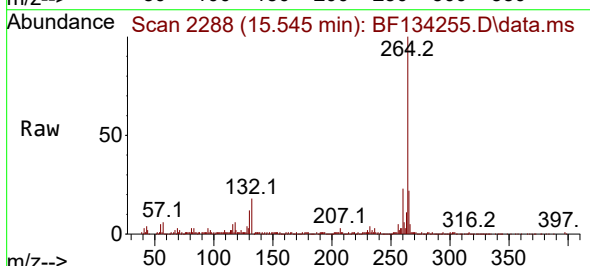
Tgt Ion:264 Resp: 162804

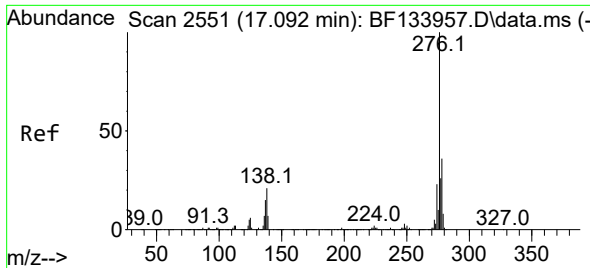
Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

265 22.4 16.6 25.0

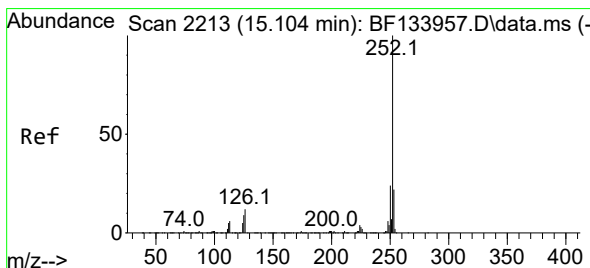
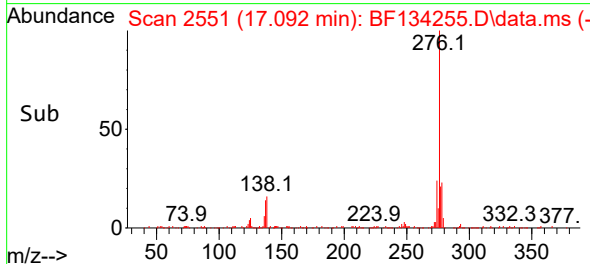
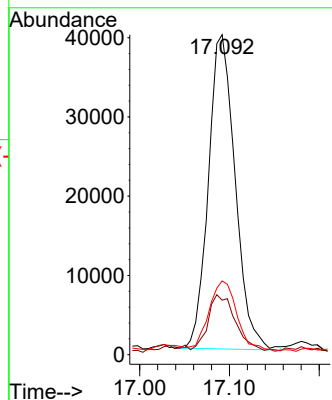
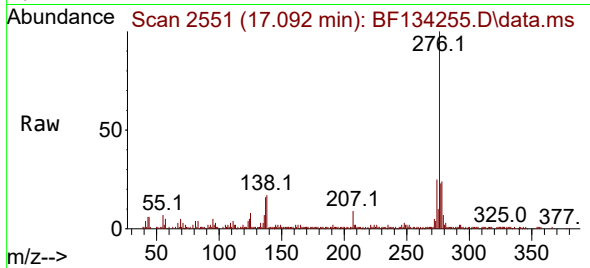




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.273 ng
 RT: 17.092 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF134255.D
 Acq: 12 Jul 2023 19:47

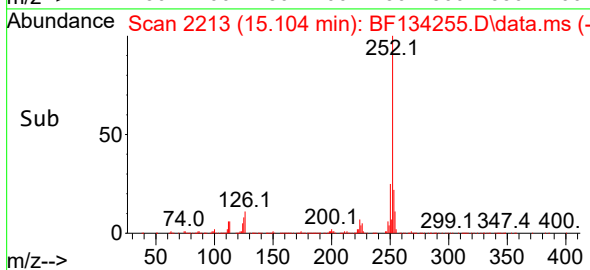
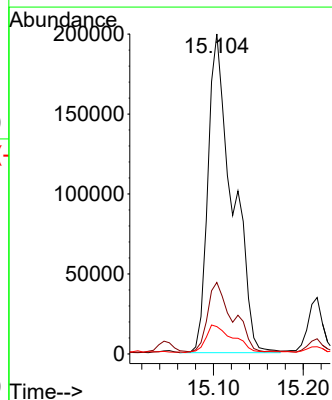
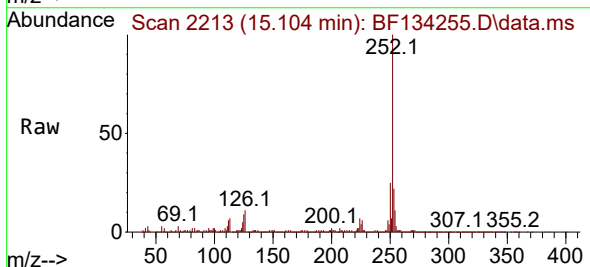
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203

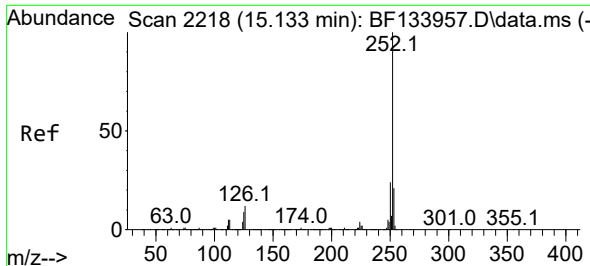
Tgt Ion:276 Resp: 82158
 Ion Ratio Lower Upper
 276 100
 138 18.7 18.7 28.1#
 277 23.7 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 39.400 ng
 RT: 15.104 min Scan# 2213
 Delta R.T. 0.000 min
 Lab File: BF134255.D
 Acq: 12 Jul 2023 19:47

Tgt Ion:252 Resp: 377176
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 8.5 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 38.697 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

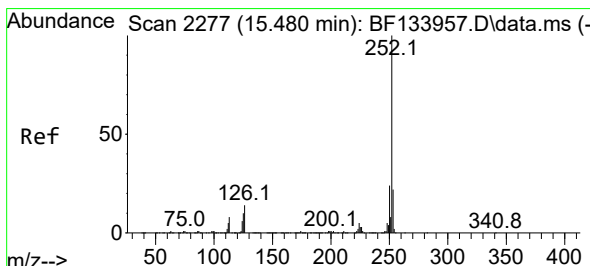
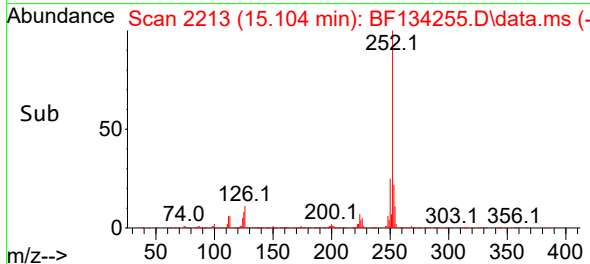
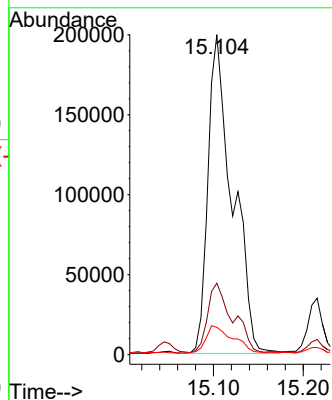
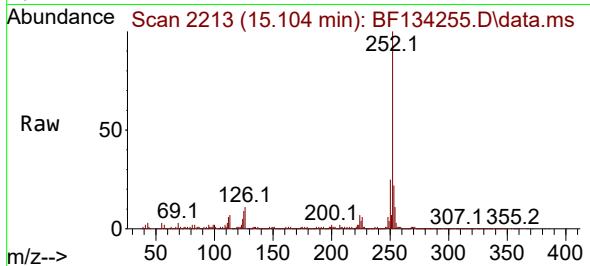
Tgt Ion:252 Resp: 377176

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 8.5 7.4 11.2



#90

Benzo(a)pyrene

Concen: 15.533 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.000 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

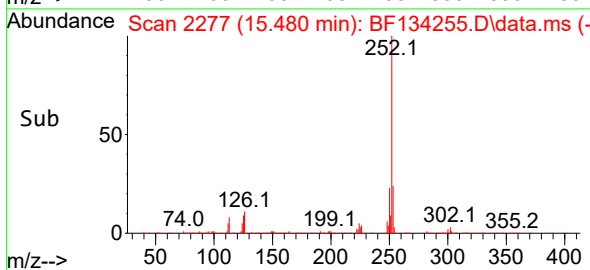
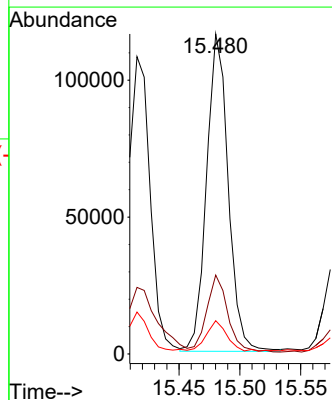
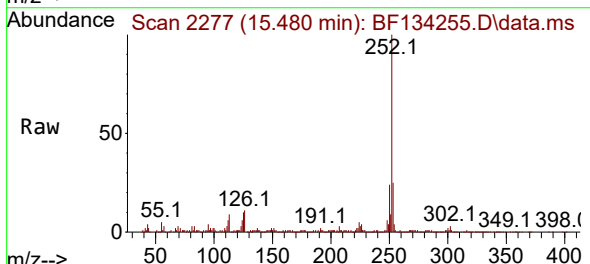
Tgt Ion:252 Resp: 143788

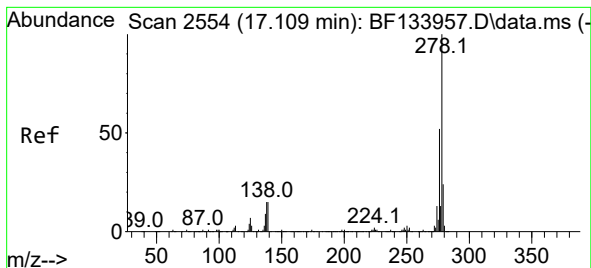
Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 10.4 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.516 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Instrument :

BNA_F

ClientSampleId :

VNJ-203

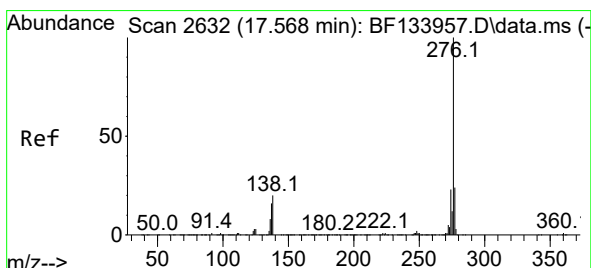
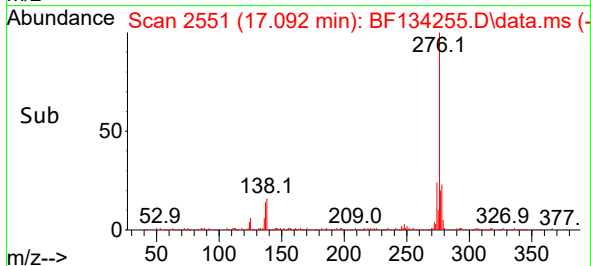
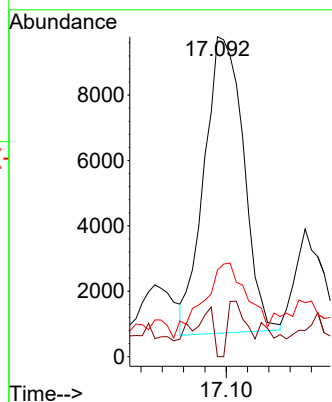
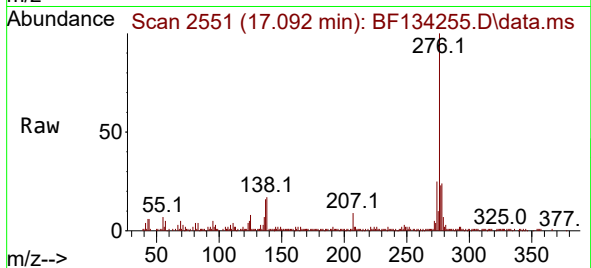
Tgt Ion:278 Resp: 23220

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

279 27.1 19.4 29.2



#92

Benzo(g,h,i)perylene

Concen: 8.078 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134255.D

Acq: 12 Jul 2023 19:47

Tgt Ion:276 Resp: 76865

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.6

138 18.7 16.2 24.2

