

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134339.D
 Acq On : 18 Jul 2023 15:43
 Operator : CG\JU
 Sample : 03615-06DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204DL

Quant Time: Jul 18 16:53:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

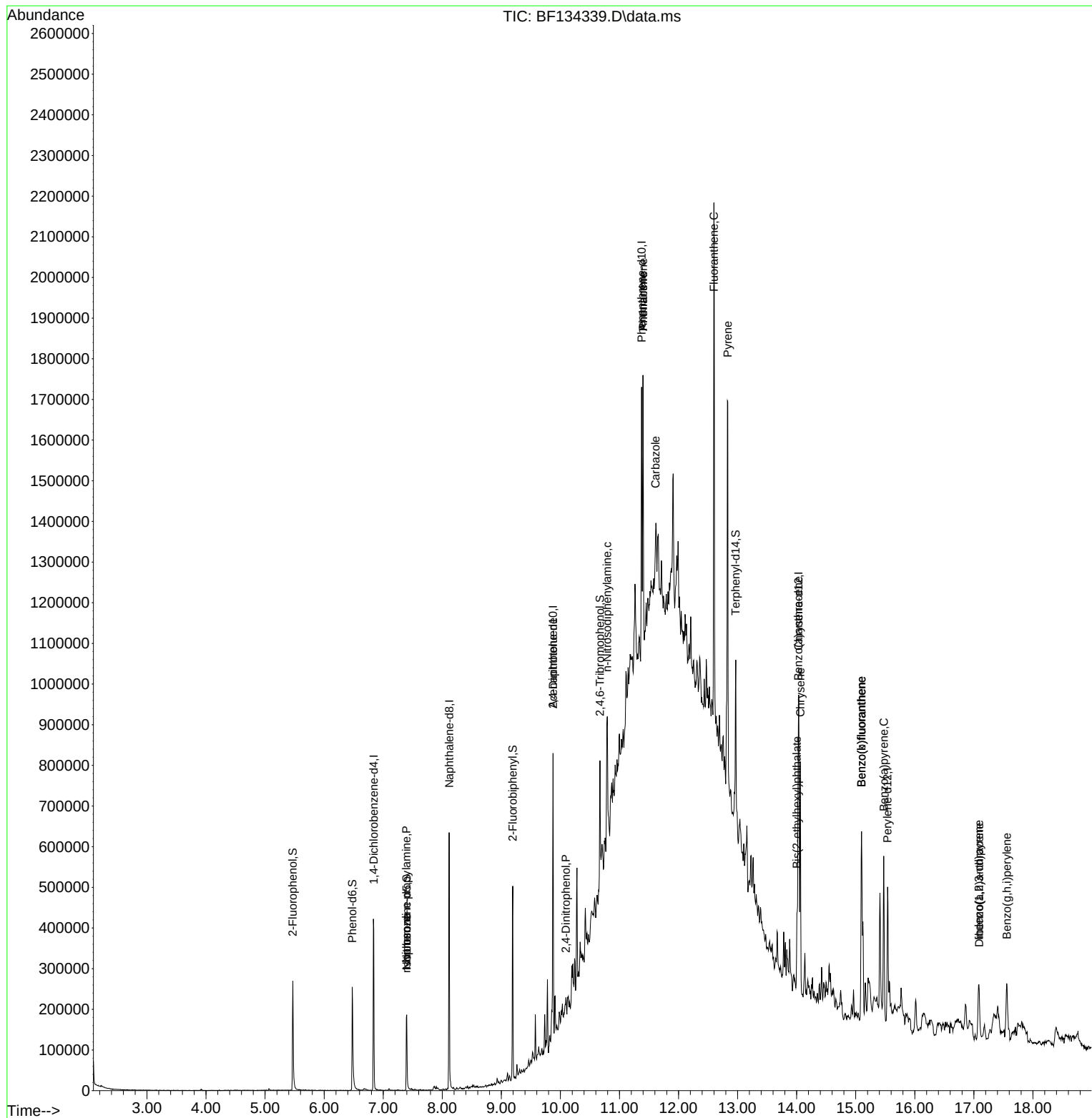
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	65092	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	249505	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	124589	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	207530	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165271	20.000	ng	0.00
86) Perylene-d12	15.539	264	158586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	76210	19.585	ng	0.00
7) Phenol-d6	6.475	99	96302	20.124	ng	-0.01
23) Nitrobenzene-d5	7.398	82	63845	13.794	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	31981	20.473	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	133231	15.547	ng	-0.01
79) Terphenyl-d14	12.969	244	143251	13.950	ng	0.00
Target Compounds						
9) Benzaldehyde	6.399	77	59	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	9041	2.979	ng	# 49
25) Isophorone	7.398	82	63845	7.590	ng	# 64
54) 2,4-Dinitrophenol	10.092	184	84	3.935	ng	# 21
57) 2,4-Dinitrotoluene	9.875	165	17911	6.963	ng	# 23
66) n-Nitrosodiphenylamine	10.792	169	14469	2.182	ng	98
71) Phenanthrene	11.398	178	216016	20.677	ng	98
72) Anthracene	11.398	178	216016	19.879	ng	97
73) Carbazole	11.610	167	23216	2.334	ng	# 72
75) Fluoranthene	12.598	202	526761	46.638	ng	99
78) Pyrene	12.833	202	446377	29.022	ng	99
81) Benzo(a)anthracene	14.027	228	210648	18.378	ng	99
83) Chrysene	14.063	228	225240	20.289	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	48317	7.289	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	103544	9.409	ng	# 93
88) Benzo(b)fluoranthene	15.098	252	363487	38.980	ng	97
89) Benzo(k)fluoranthene	15.098	252	363487	38.285	ng	96
90) Benzo(a)pyrene	15.474	252	180753	20.045	ng	96
91) Dibenzo(a,h)anthracene	17.092	278	25763	2.866	ng	96
92) Benzo(g,h,i)perylene	17.557	276	107078	11.552	ng	95

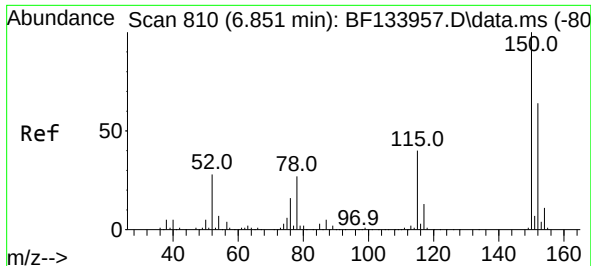
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
Data File : BF134339.D
Acq On : 18 Jul 2023 15:43
Operator : CG\JU
Sample : 03615-06DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

Quant Time: Jul 18 16:53:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration

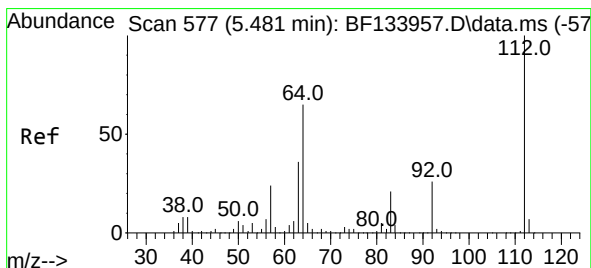
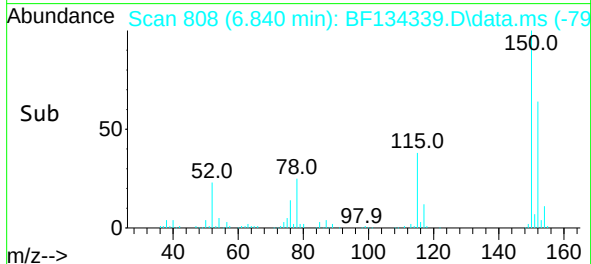
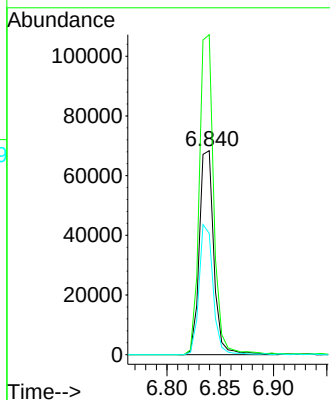
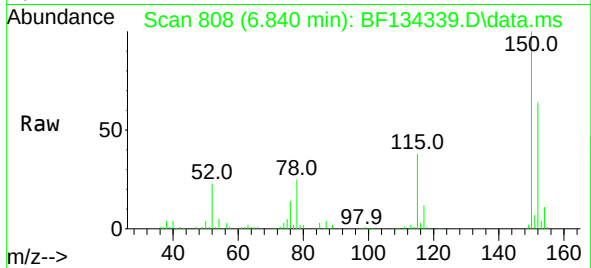




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

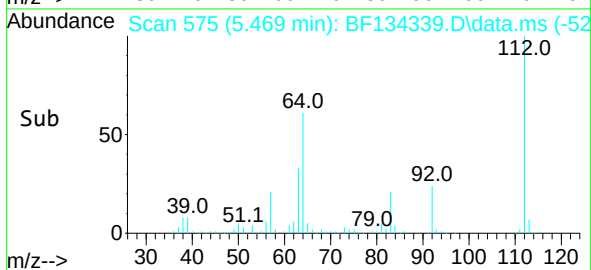
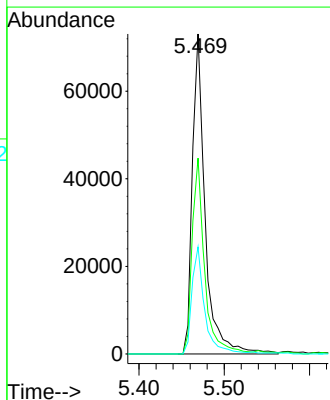
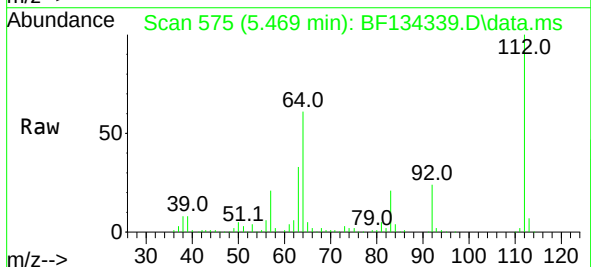
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

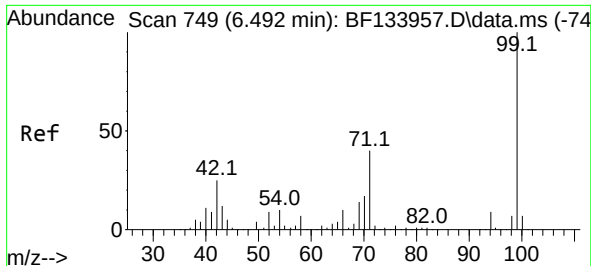
Tgt Ion:152 Resp: 65092
Ion Ratio Lower Upper
152 100
150 156.9 124.5 186.7
115 59.5 50.2 75.2



#5
2-Fluorophenol
Concen: 19.585 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:112 Resp: 76210
Ion Ratio Lower Upper
112 100
64 61.2 52.1 78.1
63 33.5 28.6 42.8

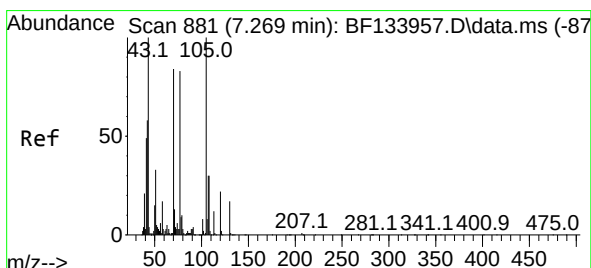
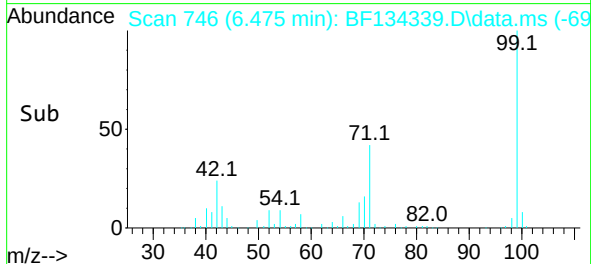
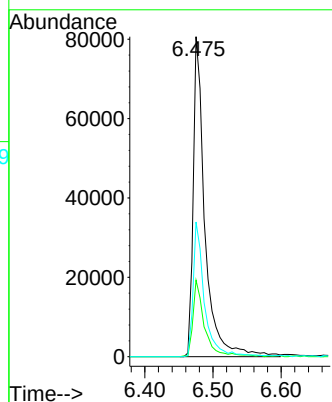
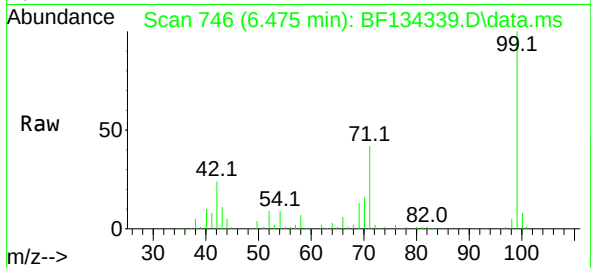




#7
Phenol-d6
Concen: 20.124 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

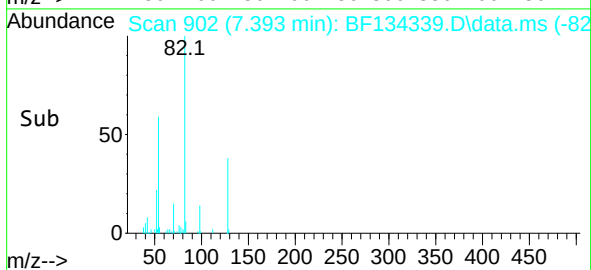
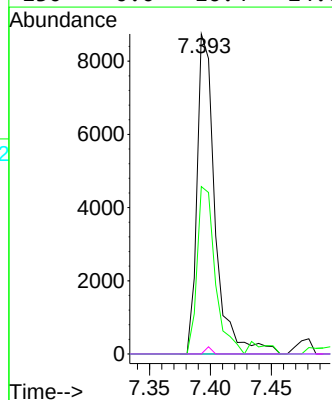
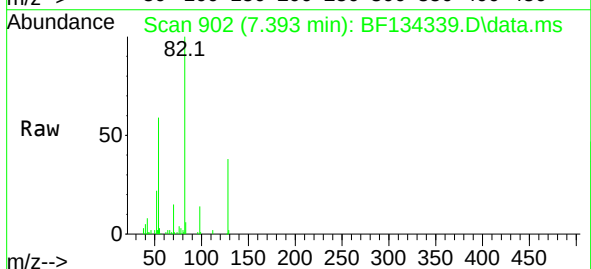
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

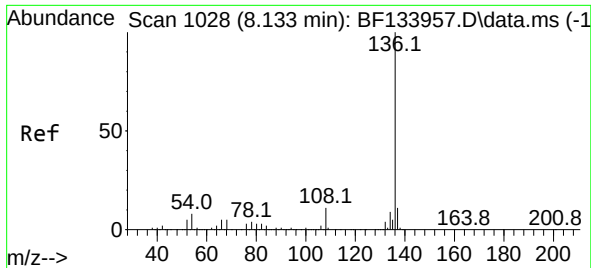
Tgt Ion: 99 Resp: 96302
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.6
71 42.1 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.979 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.136 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 70 Resp: 9041
Ion Ratio Lower Upper
70 100
42 52.3 54.7 82.1#
101 0.0 7.7 11.5#
130 0.0 16.4 24.6#



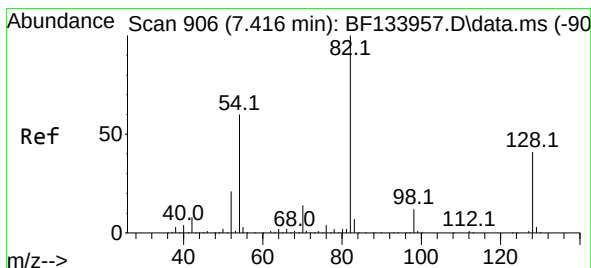
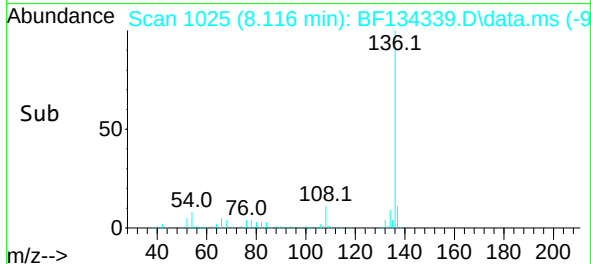
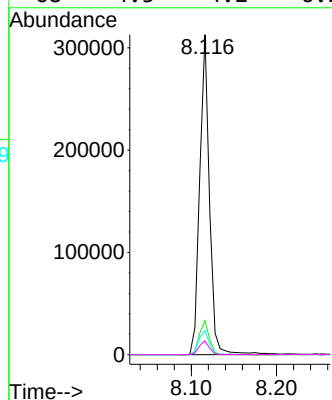
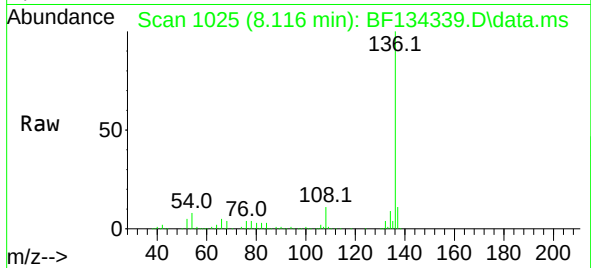


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

Tgt Ion:136 Resp: 249505

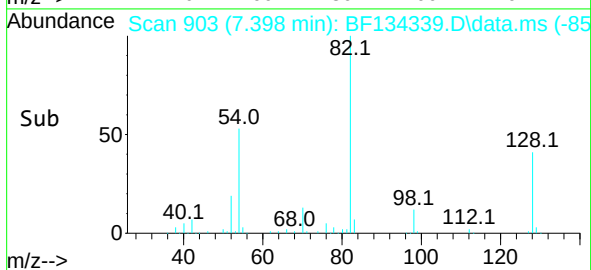
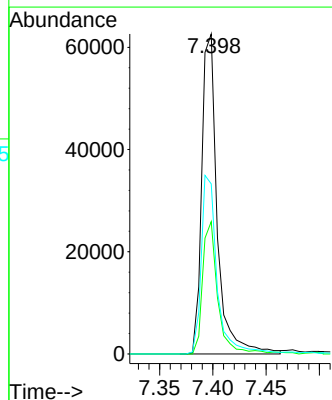
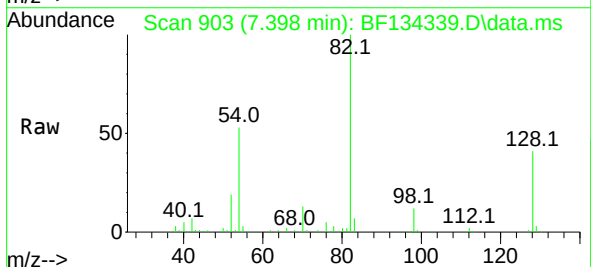
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.6	6.5	9.7
68	4.3	4.2	6.2

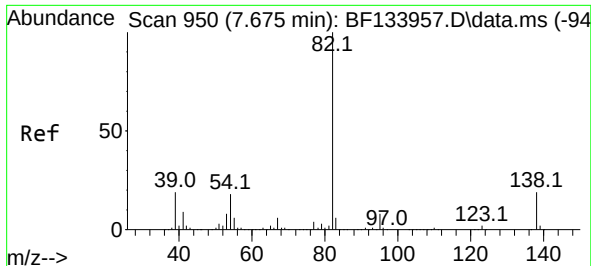


#23
Nitrobenzene-d5
Concen: 13.794 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 82 Resp: 63845

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.5	48.7
54	53.2	48.2	72.2

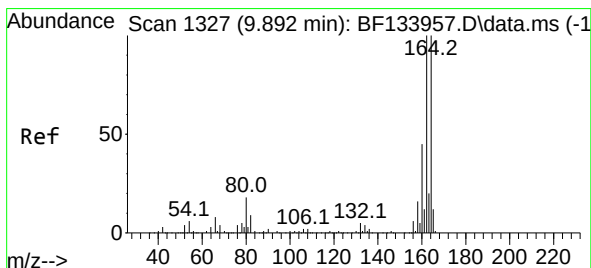
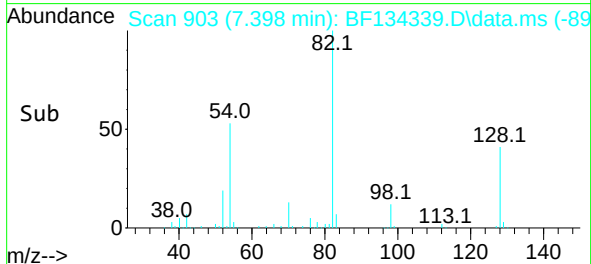
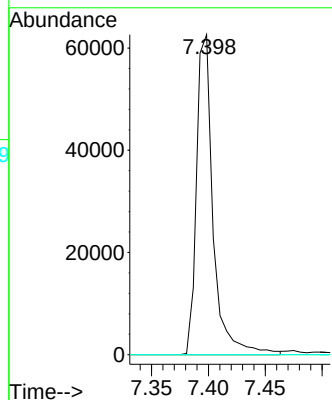
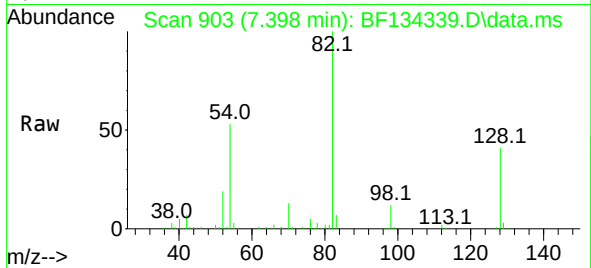




#25
Isophorone
Concen: 7.590 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

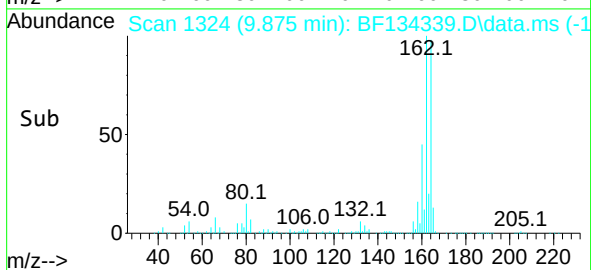
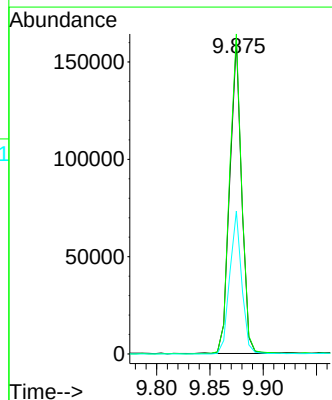
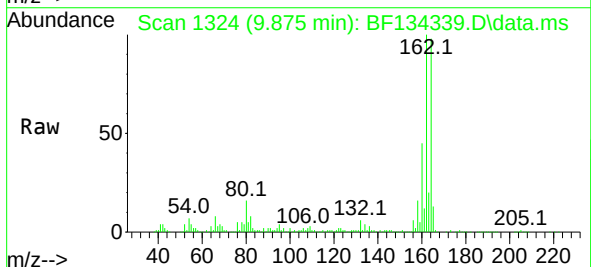
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

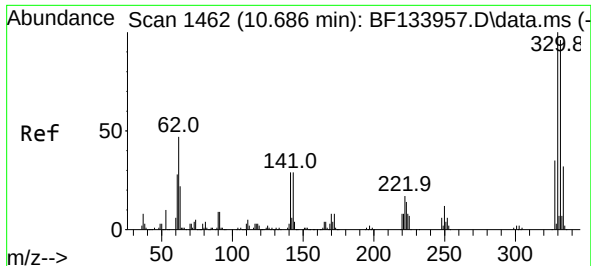
Tgt Ion: 82 Resp: 63845
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

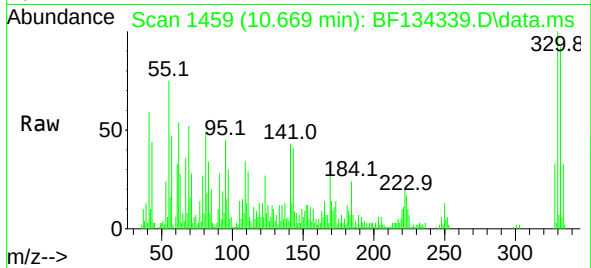
Tgt Ion:164 Resp: 124589
Ion Ratio Lower Upper
164 100
162 101.9 80.0 120.0
160 45.5 35.9 53.9



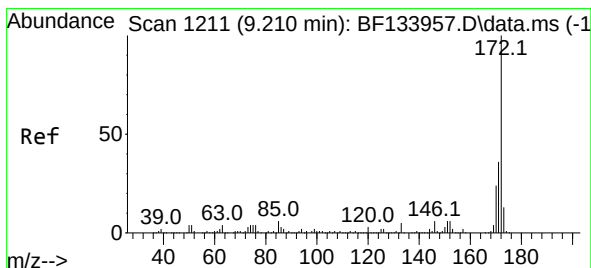
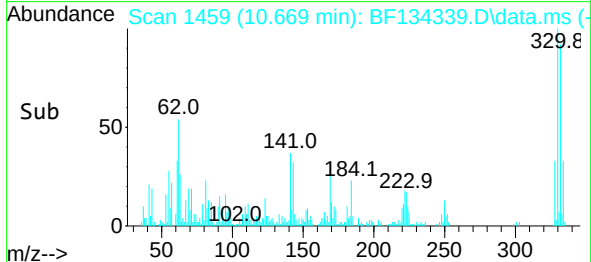
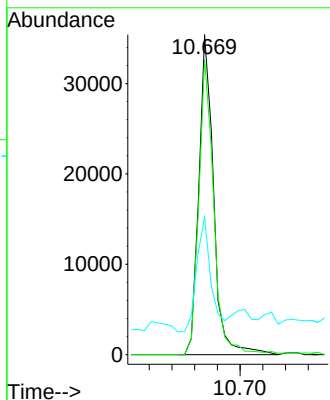


#42
2,4,6-Tribromophenol
Concen: 20.473 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

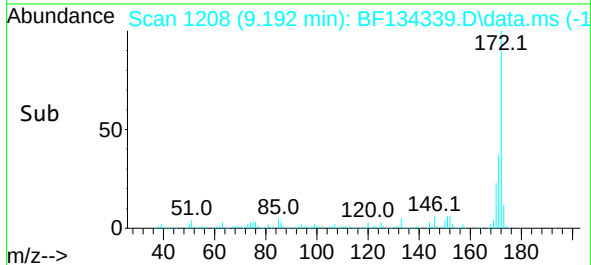
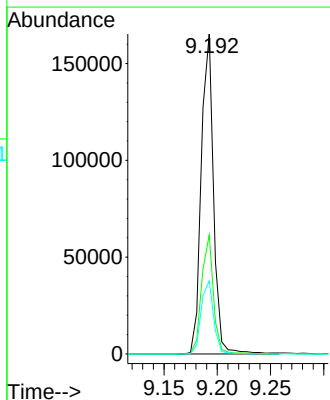
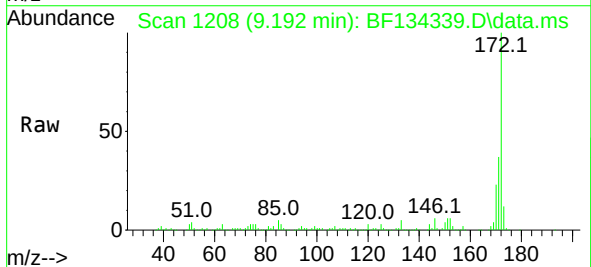


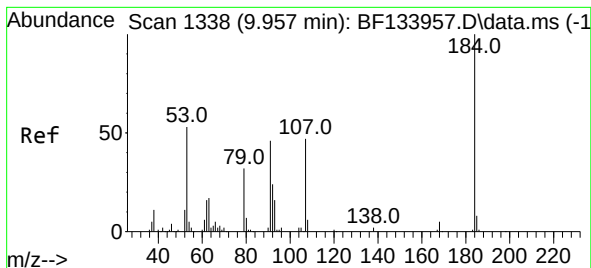
Tgt Ion: 330 Resp: 31981
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.6
141 34.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 15.547 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion: 172 Resp: 133231
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 22.9 19.4 29.0





#54

2,4-Dinitrophenol

Concen: 3.935 ng

RT: 10.092 min Scan# 11

Delta R.T. 0.136 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

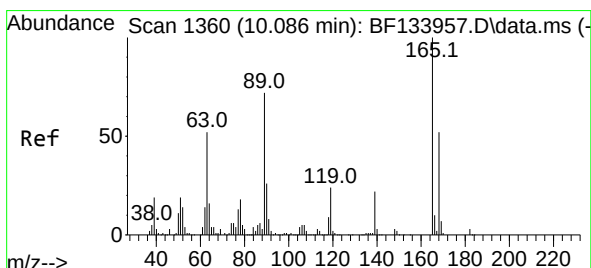
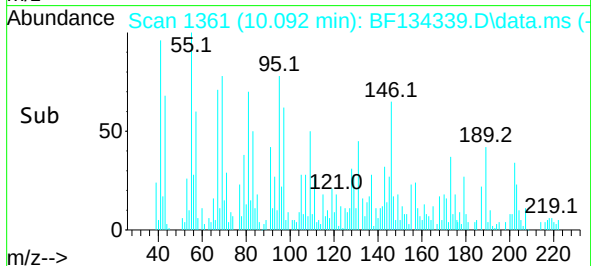
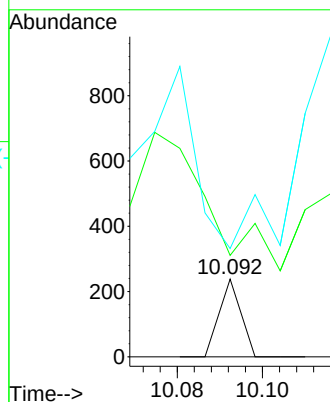
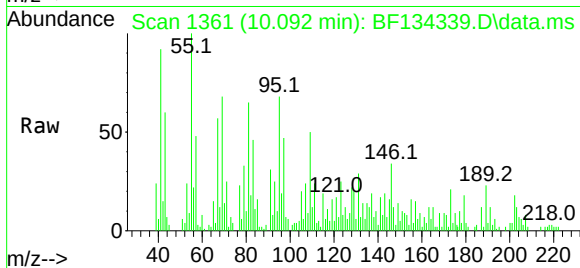
Tgt Ion:184 Resp: 84

Ion Ratio Lower Upper

184 100

63 130.7 56.9 85.3#

154 139.5 55.4 83.0#



#57

2,4-Dinitrotoluene

Concen: 6.963 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Tgt Ion:165 Resp: 17911

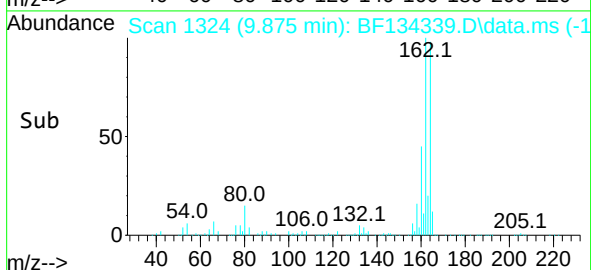
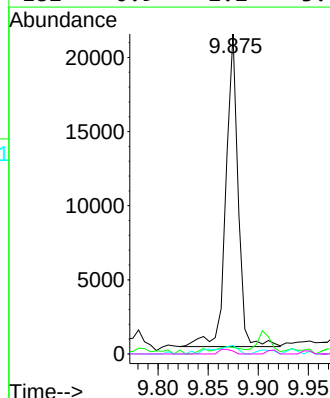
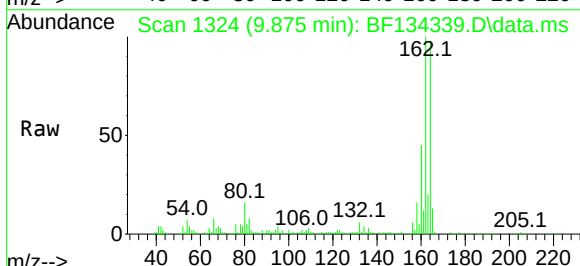
Ion Ratio Lower Upper

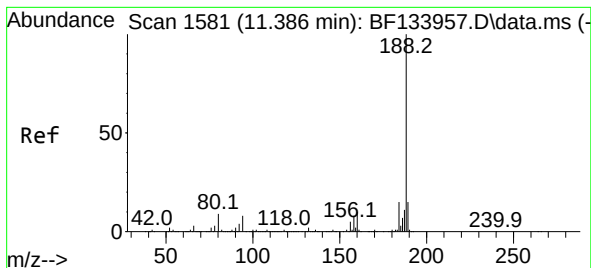
165 100

63 2.1 42.2 63.2#

89 2.7 57.4 86.2#

182 0.9 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

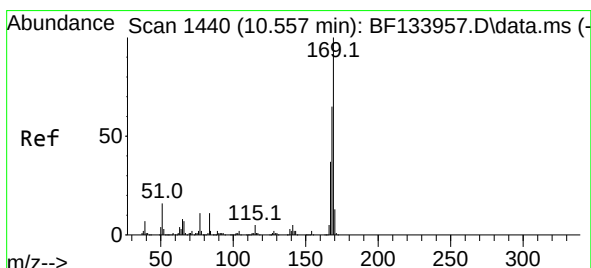
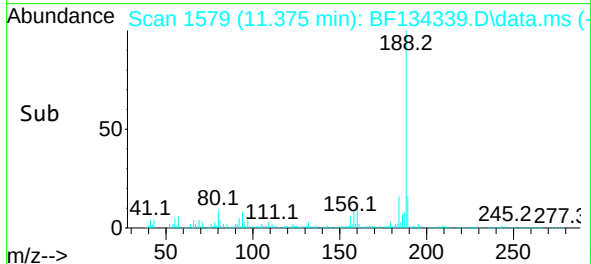
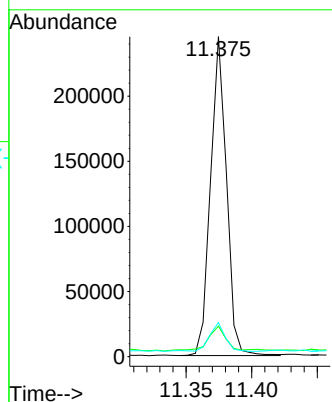
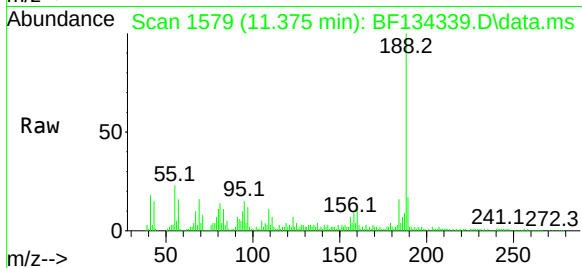
Tgt Ion:188 Resp: 207530

Ion Ratio Lower Upper

188 100

94 9.5 6.4 9.6

80 10.7 7.3 10.9



#66

n-Nitrosodiphenylamine

Concen: 2.182 ng

RT: 10.792 min Scan# 1480

Delta R.T. 0.247 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

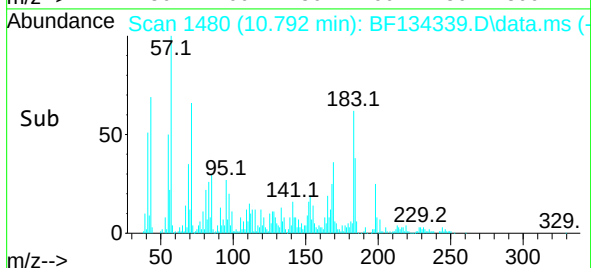
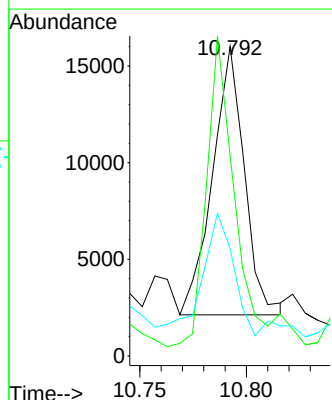
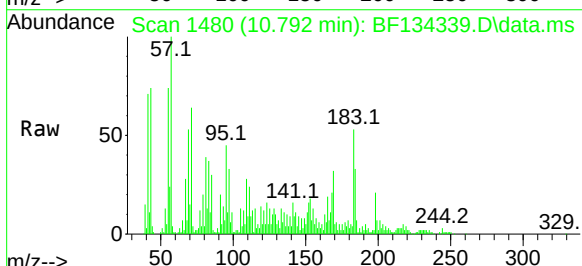
Tgt Ion:169 Resp: 14469

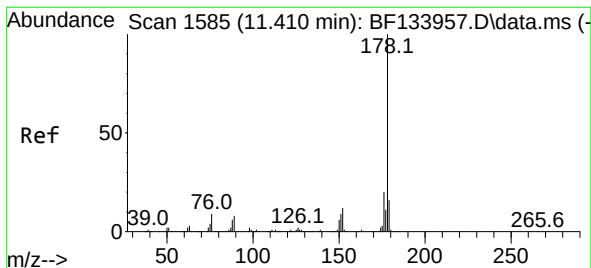
Ion Ratio Lower Upper

169 100

168 64.7 52.3 78.5

167 34.6 29.4 44.0





#71

Phenanthrene

Concen: 20.677 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

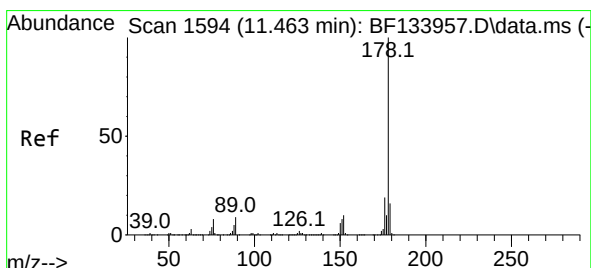
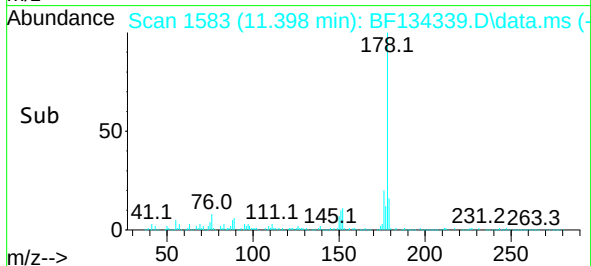
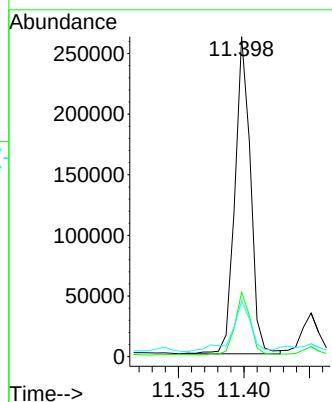
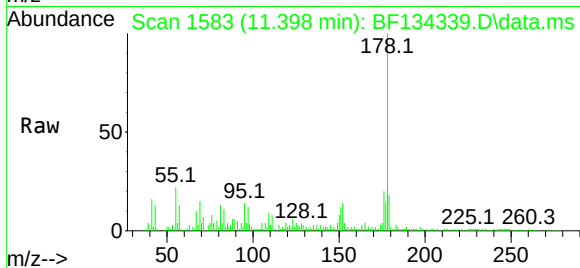
Tgt Ion:178 Resp: 216016

Ion Ratio Lower Upper

178 100

176 20.2 16.0 24.0

179 17.5 12.4 18.6



#72

Anthracene

Concen: 19.879 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.059 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

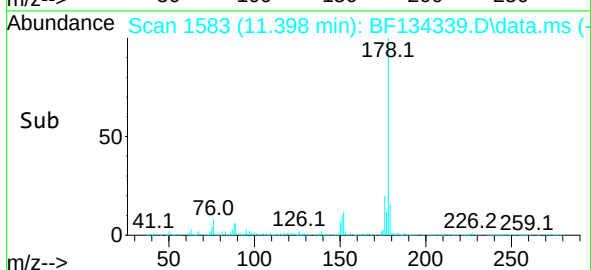
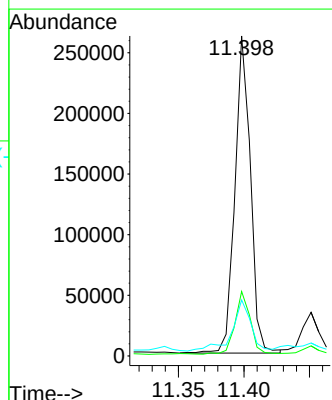
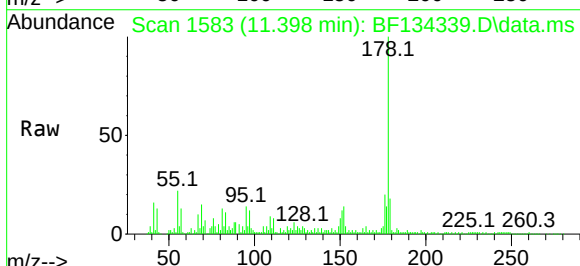
Tgt Ion:178 Resp: 216016

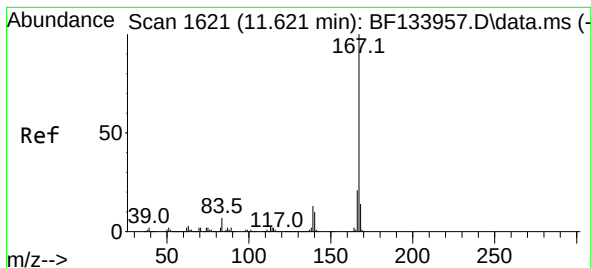
Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

179 17.5 12.4 18.6





#73

Carbazole

Concen: 2.334 ng

RT: 11.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

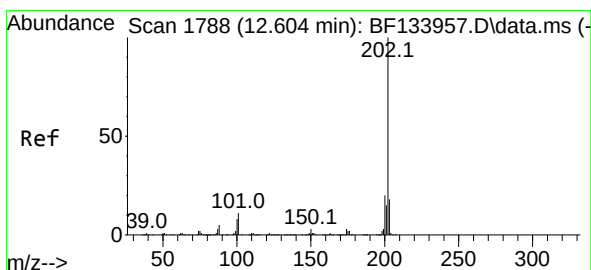
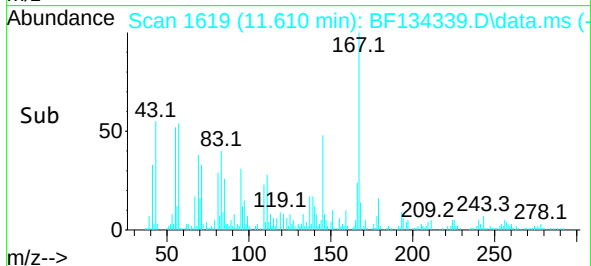
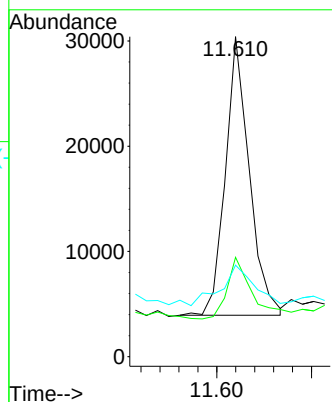
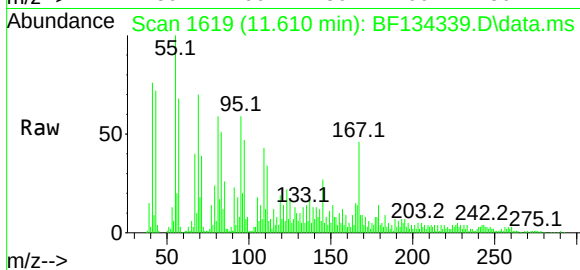
Tgt Ion:167 Resp: 23216

Ion Ratio Lower Upper

167 100

166 31.0 17.0 25.6#

139 28.6 10.4 15.6#



#75

Fluoranthene

Concen: 46.638 ng

RT: 12.598 min Scan# 1787

Delta R.T. 0.000 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

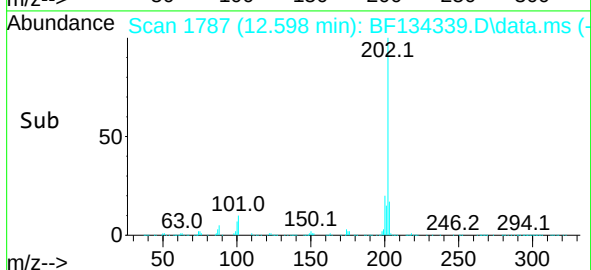
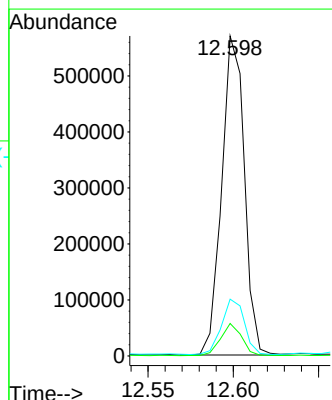
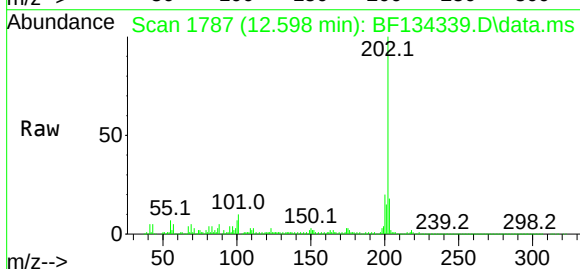
Tgt Ion:202 Resp: 526761

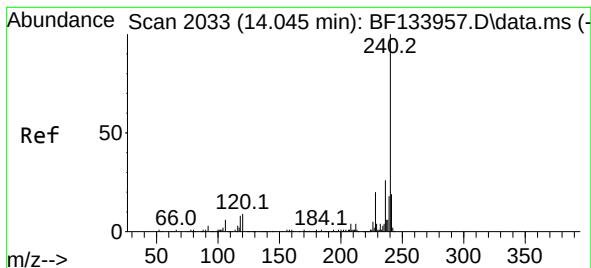
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.0

203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

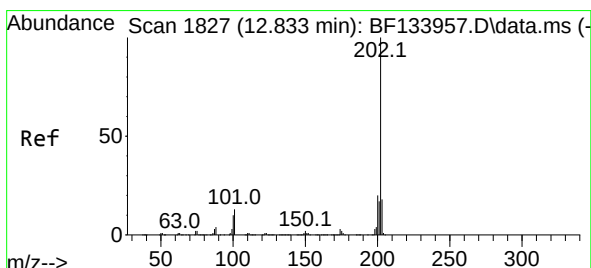
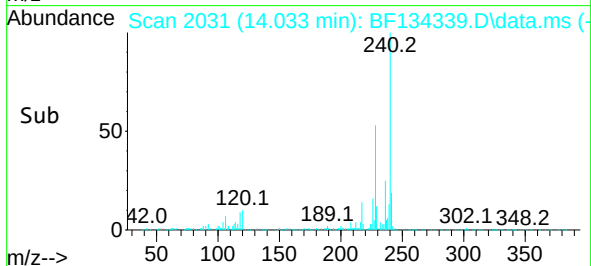
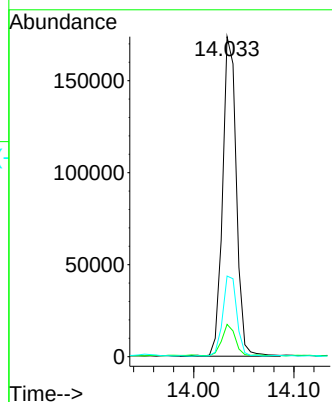
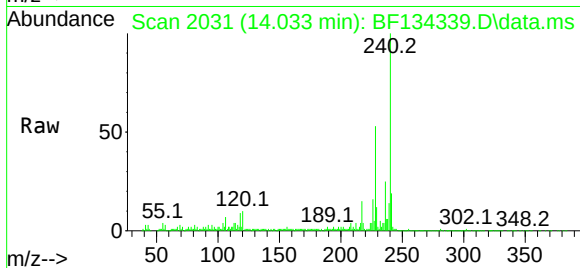
Tgt Ion:240 Resp: 165271

Ion Ratio Lower Upper

240 100

120 10.1 7.4 11.0

236 25.2 21.0 31.6



#78

Pyrene

Concen: 29.022 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

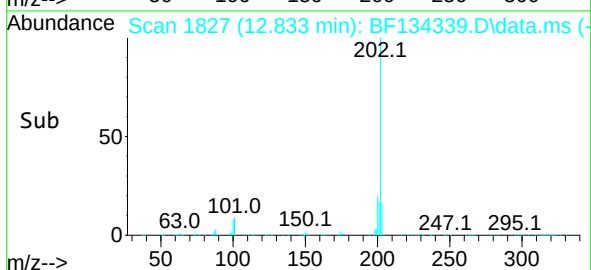
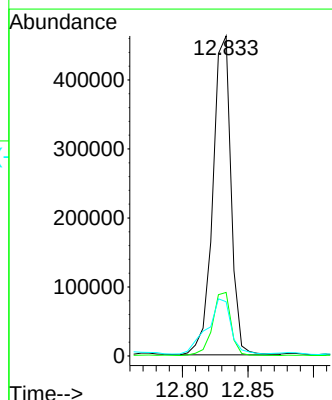
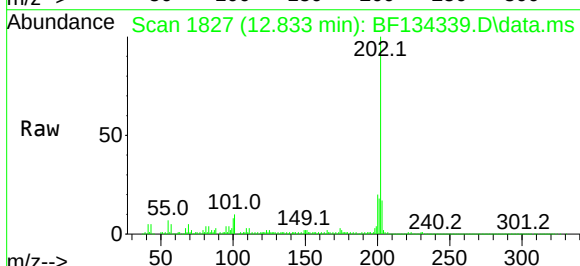
Tgt Ion:202 Resp: 446377

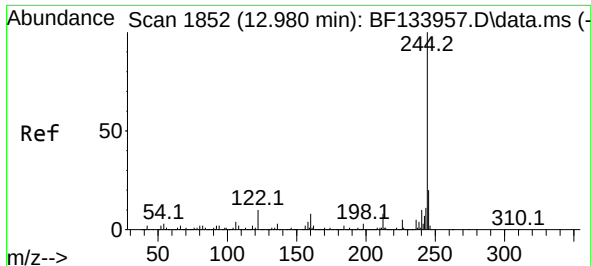
Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

203 16.9 14.3 21.5

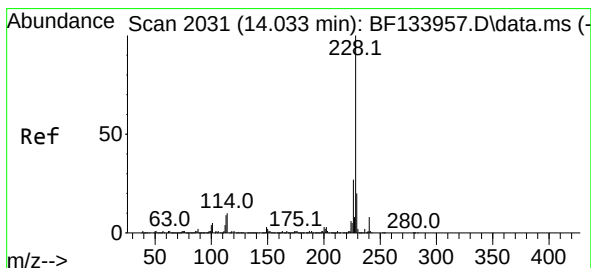
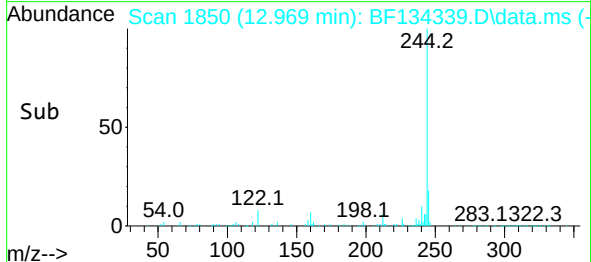
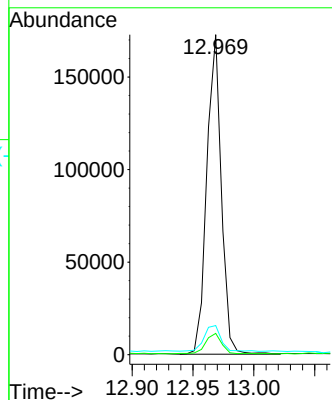
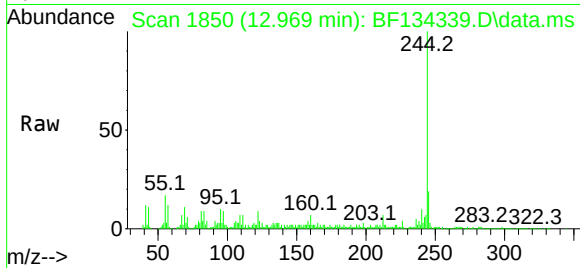




#79
 Terphenyl-d14
 Concen: 13.950 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134339.D
 Acq: 18 Jul 2023 15:43

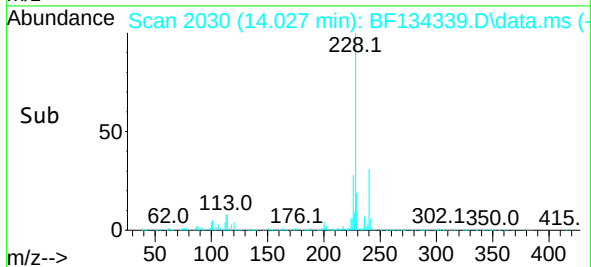
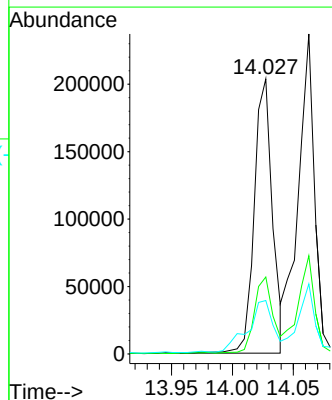
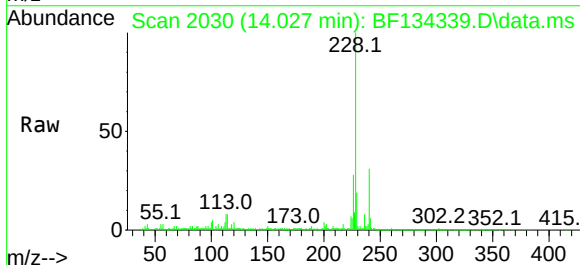
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204DL

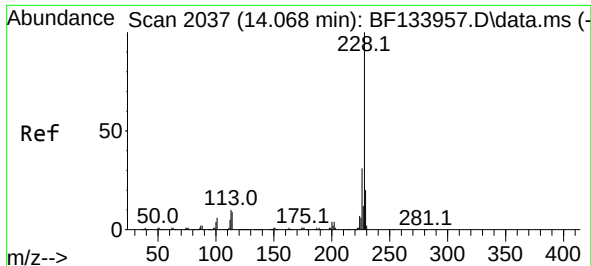
Tgt Ion:244 Resp: 143251
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 18.378 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF134339.D
 Acq: 18 Jul 2023 15:43

Tgt Ion:228 Resp: 210648
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.0 33.0
 229 19.5 16.3 24.5

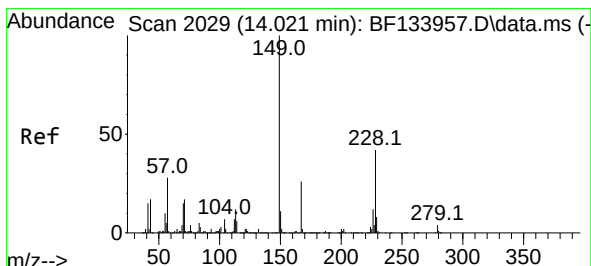
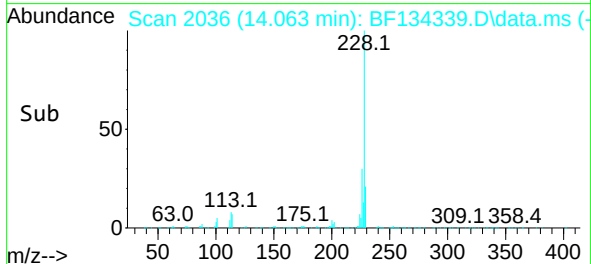
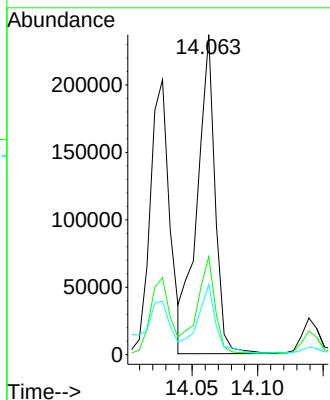
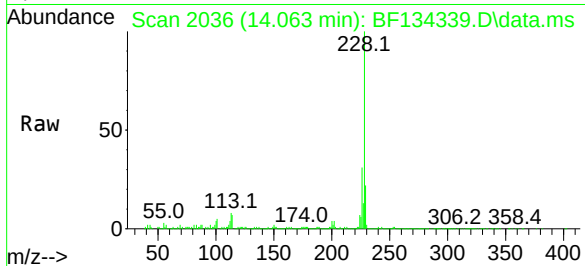




#83
Chrysene
Concen: 20.289 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

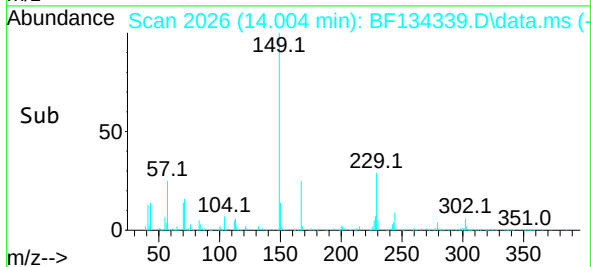
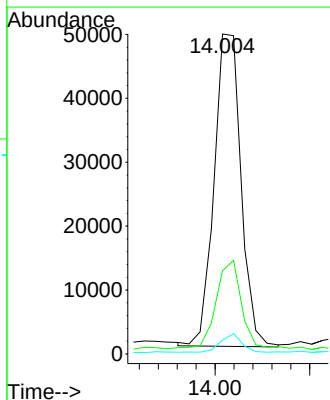
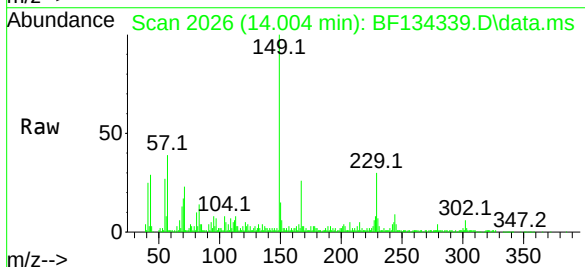
Instrument :
BNA_F
ClientSampleId :
VNJ-204DL

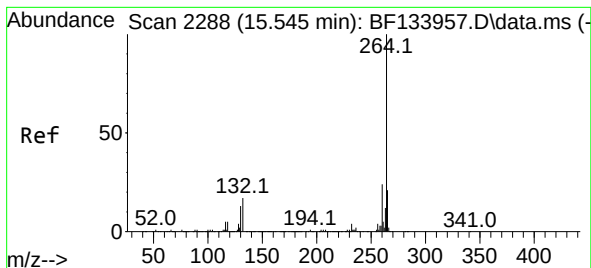
Tgt Ion:228 Resp: 225240
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 21.9 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.289 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF134339.D
Acq: 18 Jul 2023 15:43

Tgt Ion:149 Resp: 48317
Ion Ratio Lower Upper
149 100
167 26.0 21.0 31.4
279 4.3 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

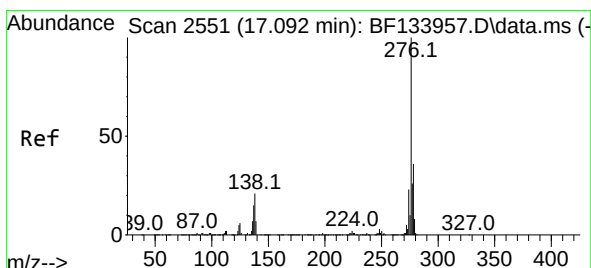
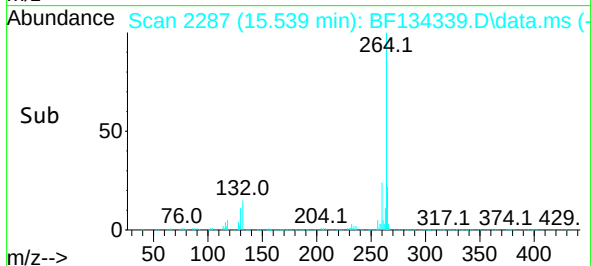
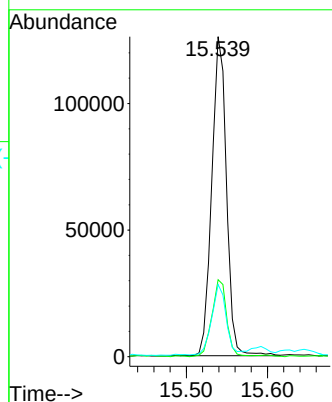
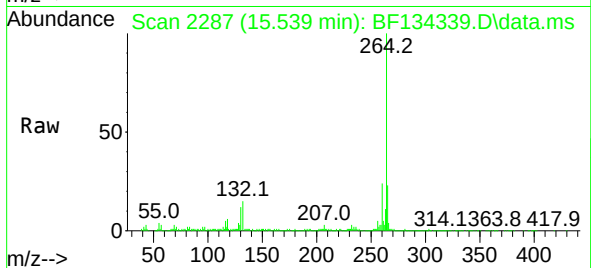
Tgt Ion:264 Resp: 158586

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 22.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.409 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

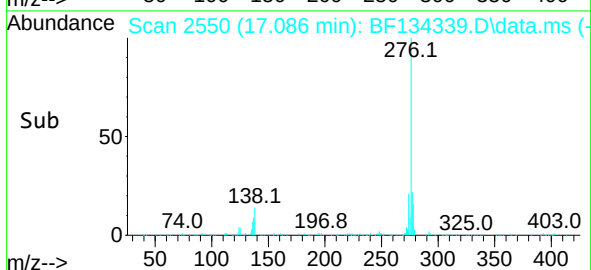
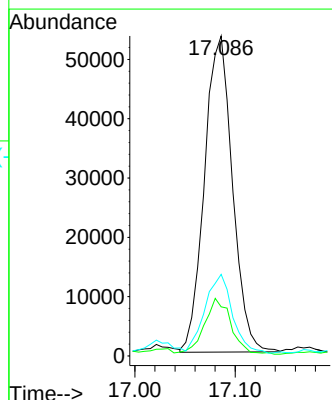
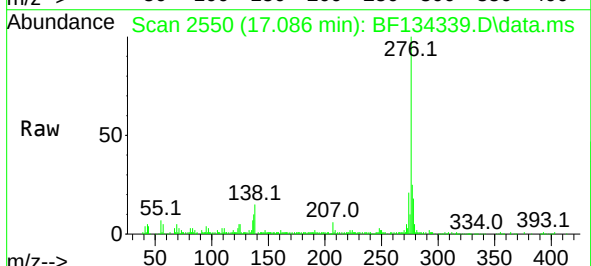
Tgt Ion:276 Resp: 103544

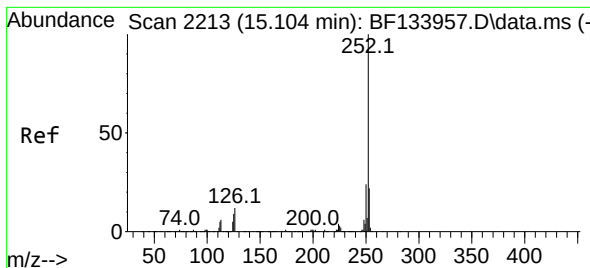
Ion Ratio Lower Upper

276 100

138 16.9 18.7 28.1#

277 24.1 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 38.980 ng

RT: 15.098 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

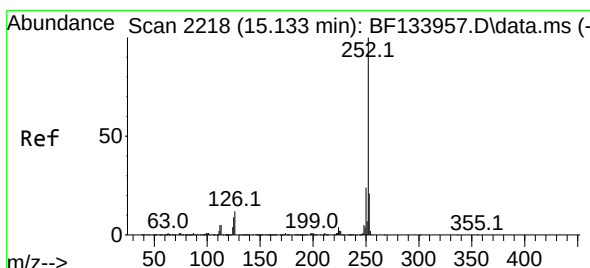
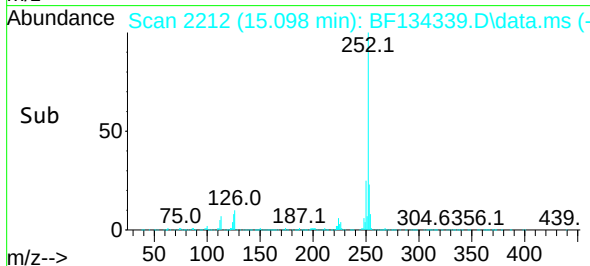
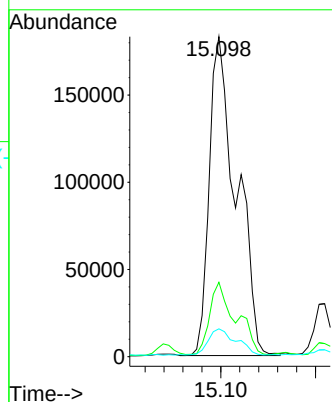
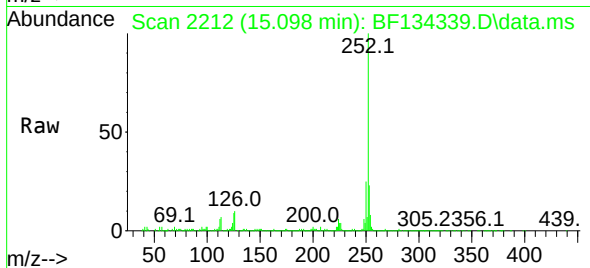
Tgt Ion:252 Resp: 363487

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 8.7 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 38.285 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.035 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

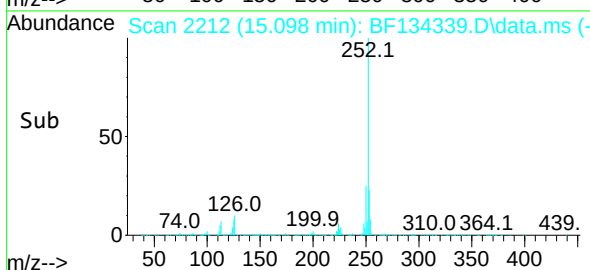
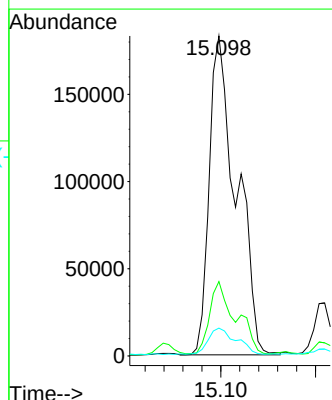
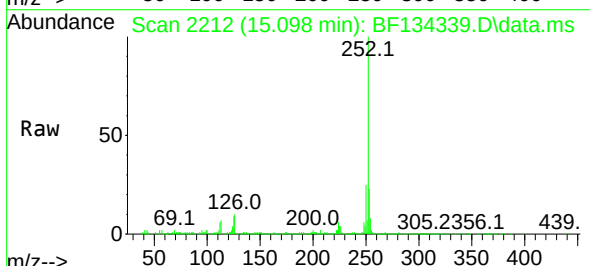
Tgt Ion:252 Resp: 363487

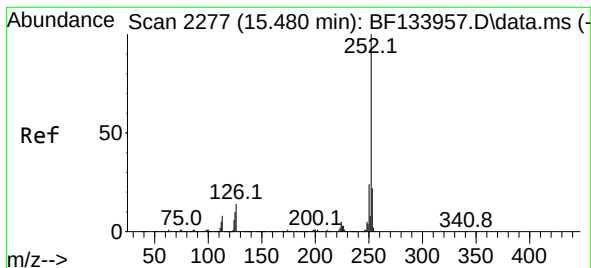
Ion Ratio Lower Upper

252 100

253 23.3 16.9 25.3

125 8.7 7.4 11.2





#90

Benzo(a)pyrene

Concen: 20.045 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL

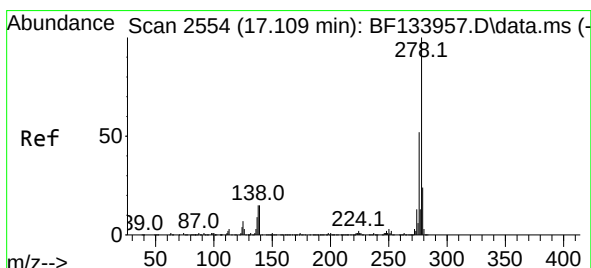
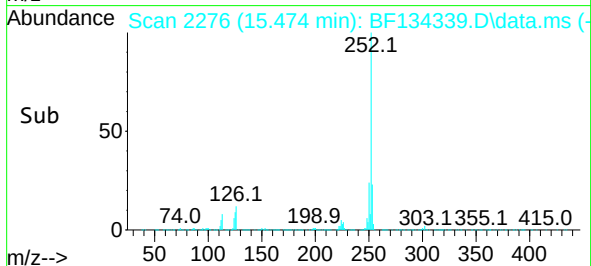
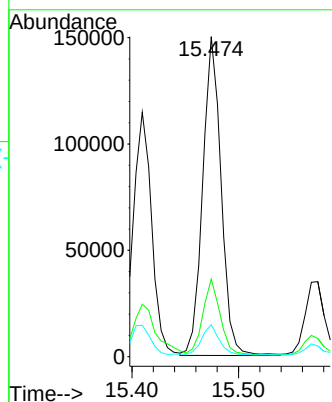
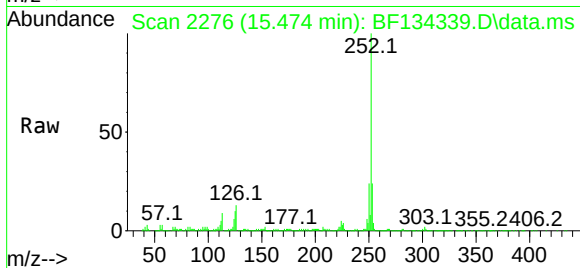
Tgt Ion:252 Resp: 180753

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 10.0 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.866 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.017 min

Lab File: BF134339.D

Acq: 18 Jul 2023 15:43

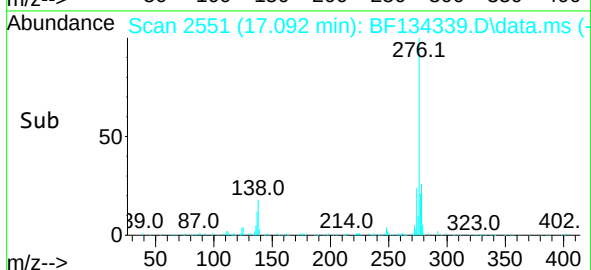
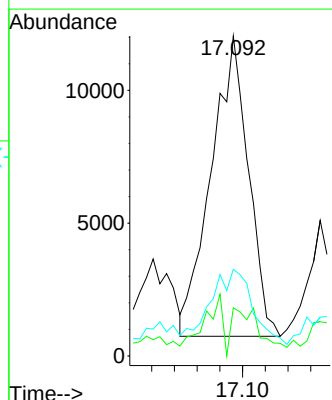
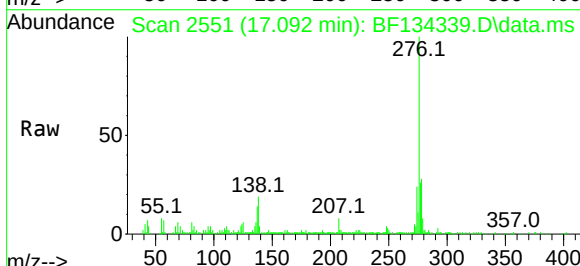
Tgt Ion:278 Resp: 25763

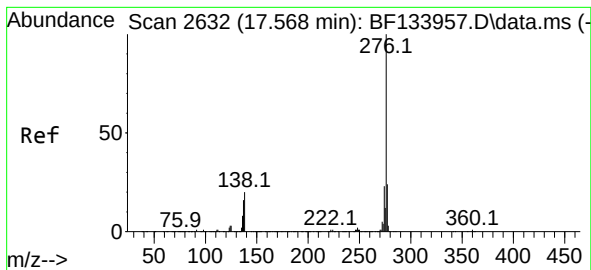
Ion Ratio Lower Upper

278 100

139 15.0 12.2 18.4

279 27.1 19.4 29.2





#92

Benzo(g,h,i)perylene

Concen: 11.552 ng

RT: 17.557 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF134339.D

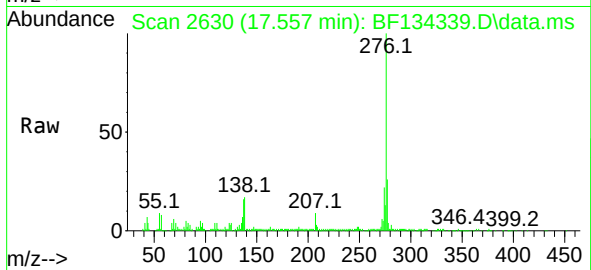
Acq: 18 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

VNJ-204DL



Tgt Ion:276 Resp: 107078

Ion Ratio Lower Upper

276 100

277 25.7 19.0 28.6

138 17.3 16.2 24.2

