

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132486.D
 Acq On : 20 Feb 2023 19:07
 Operator : CG\JU
 Sample : 01606-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Quant Time: Feb 21 00:04:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

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

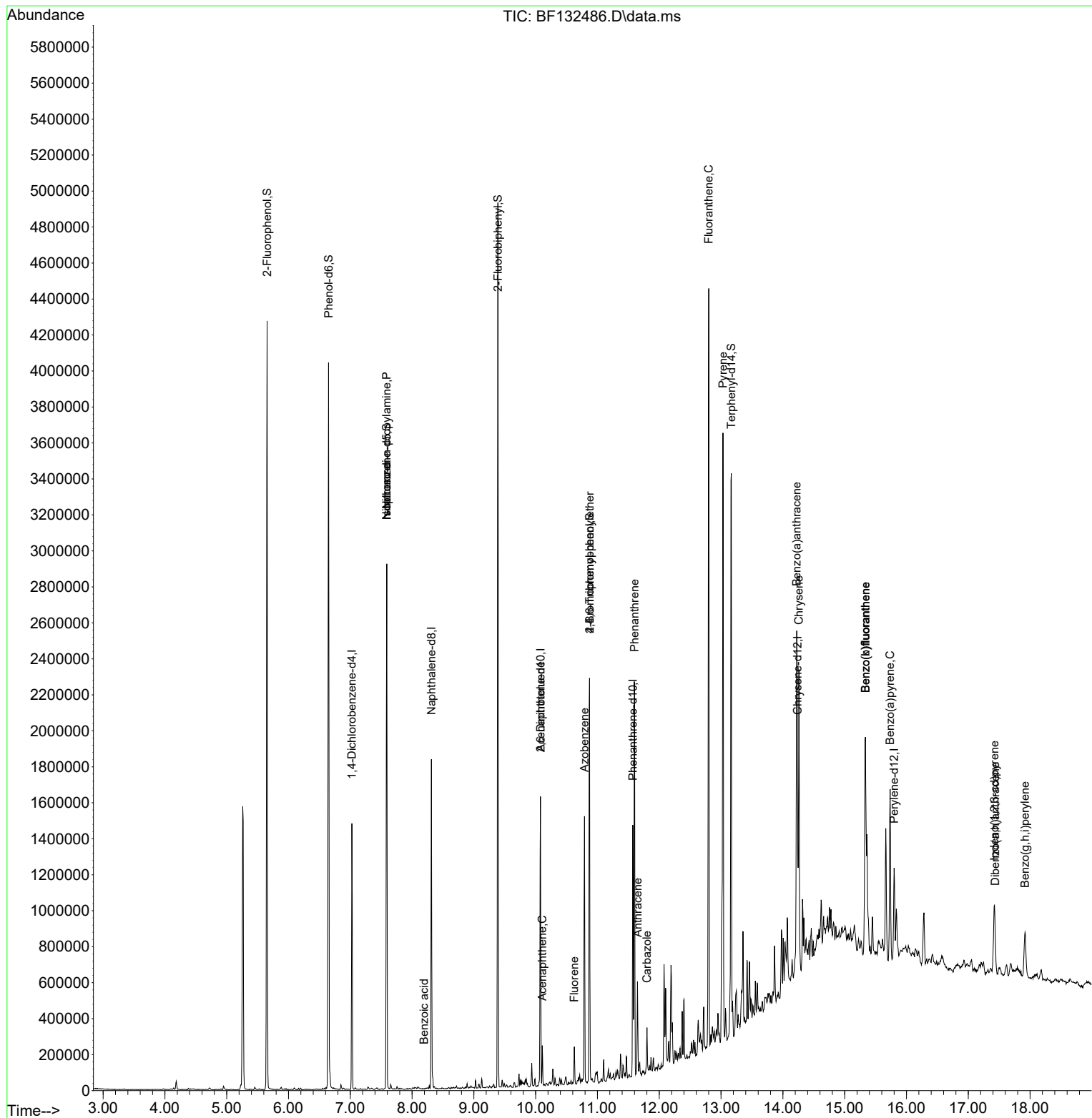
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	199418	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	684802	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	310216	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	507533	20.000	ng	0.00
76) Chrysene-d12	14.236	240	278060	20.000	ng	0.00
86) Perylene-d12	15.801	264	238418	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1126664	90.530	ng	0.01
7) Phenol-d6	6.648	99	1436105	88.373	ng	0.00
23) Nitrobenzene-d5	7.590	82	896670	62.915	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	255422	82.523	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1342749	66.844	ng	0.00
79) Terphenyl-d14	13.166	244	1156328	75.736	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.590	70	118085	11.853	ng	# 79
25) Isophorone	7.590	82	896585	32.015	ng	# 68
32) Benzoic acid	8.195	122	75	7.158	ng	93
51) 2,6-Dinitrotoluene	10.078	165	41390	8.331	ng	# 20
52) Acenaphthene	10.107	154	40685	2.183	ng	97
58) Fluorene	10.625	166	49863	2.386	ng	97
63) Azobenzene	10.789	77	239755	9.649	ng	# 1
67) 4-Bromophenyl-phenylether	10.872	248	17231	3.098	ng	# 1
71) Phenanthrene	11.601	178	846314	32.376	ng	99
72) Anthracene	11.648	178	189000	7.033	ng	98
73) Carbazole	11.801	167	88444	3.656	ng	98
75) Fluoranthene	12.801	202	1706839	58.550	ng	99
78) Pyrene	13.030	202	1458111	61.729	ng	100
81) Benzo(a)anthracene	14.224	228	654356	32.131	ng	99
83) Chrysene	14.260	228	681596	35.029	ng	98
87) Indeno(1,2,3-cd)pyrene	17.424	276	294256	19.308	ng	94
88) Benzo(b)fluoranthene	15.336	252	1042073	66.465	ng	98
89) Benzo(k)fluoranthene	15.336	252	1042073	66.417	ng	99
90) Benzo(a)pyrene	15.736	252	483412	33.177	ng	96
91) Dibenzo(a,h)anthracene	17.436	278	72361	5.765	ng	# 85
92) Benzo(g,h,i)perylene	17.918	276	274722	21.311	ng	99

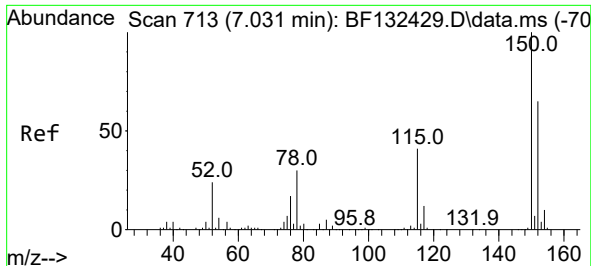
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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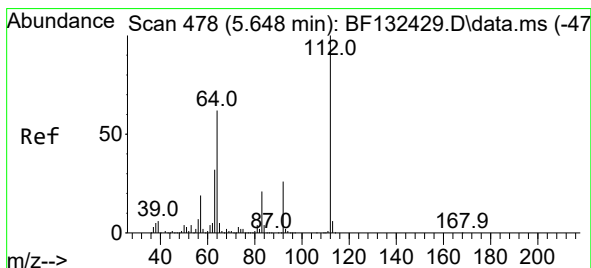
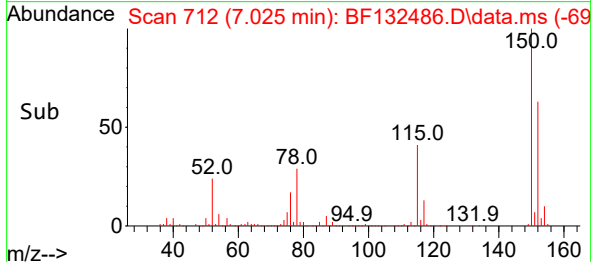
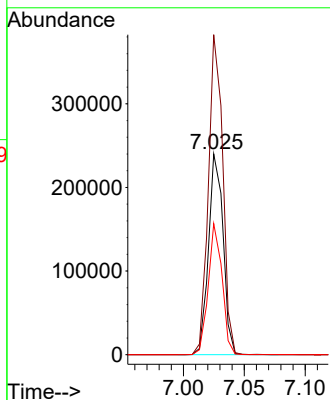
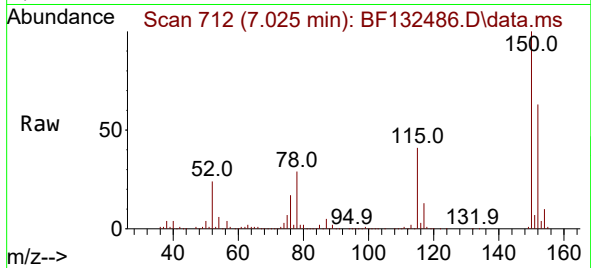




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

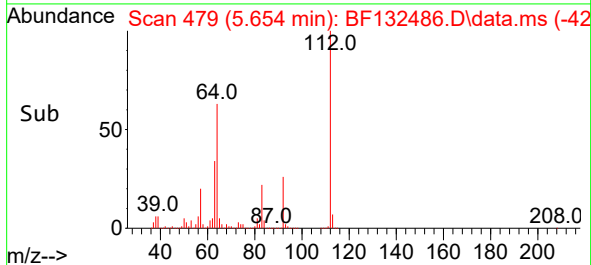
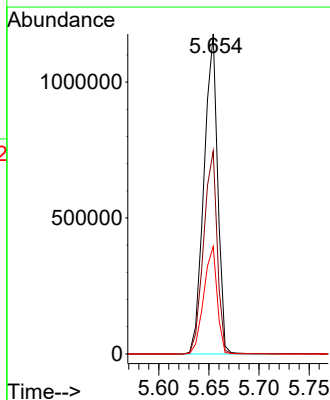
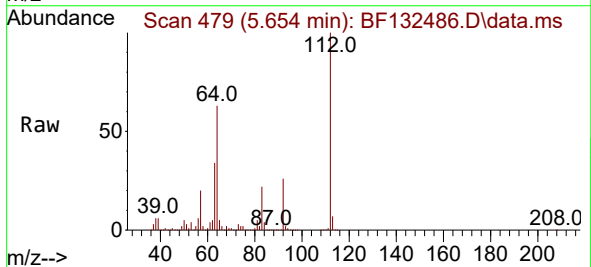
Instrument :
BNA_F
ClientSampleId :
VNJ-210

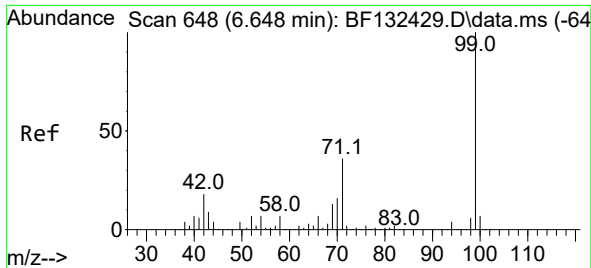
Tgt Ion:152 Resp: 199418
Ion Ratio Lower Upper
152 100
150 159.3 123.8 185.8
115 65.3 50.4 75.6



#5
2-Fluorophenol
Concen: 90.530 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.012 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion:112 Resp: 1126664
Ion Ratio Lower Upper
112 100
64 63.5 49.7 74.5
63 33.6 25.8 38.8

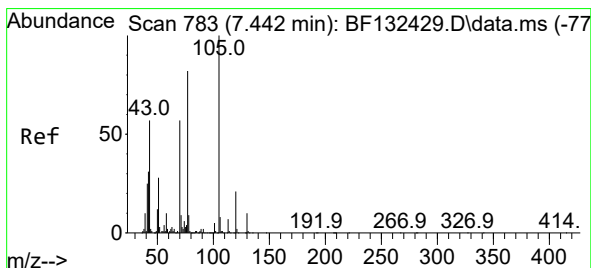
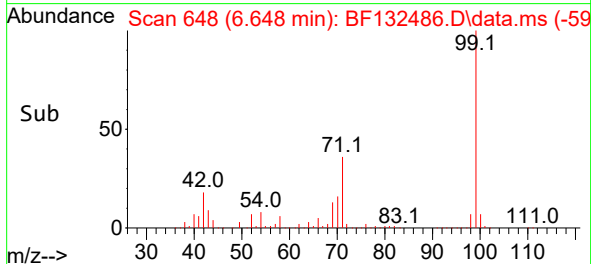
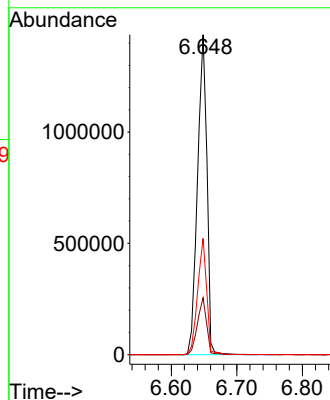
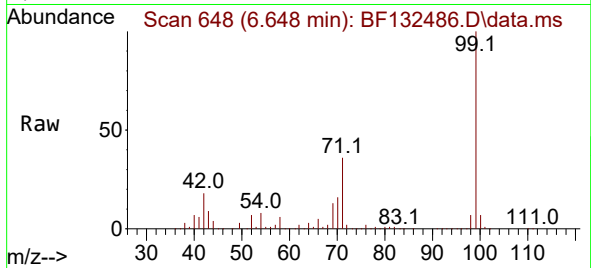




#7
Phenol-d6
Concen: 88.373 ng
RT: 6.648 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

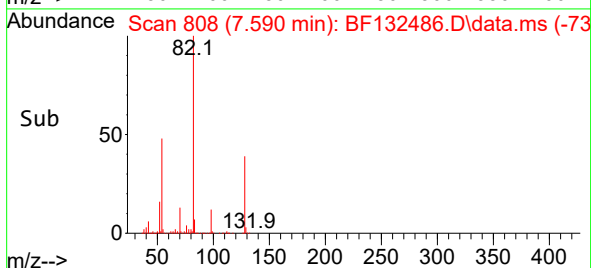
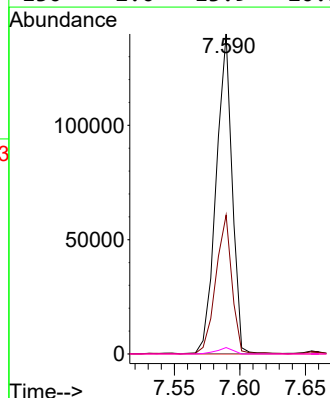
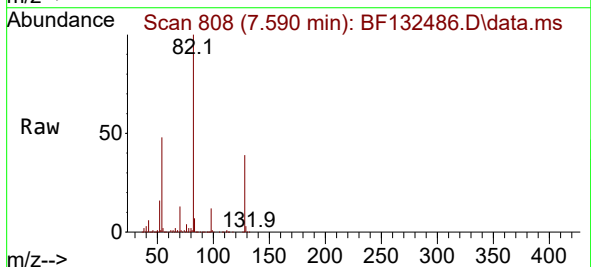
Instrument :
BNA_F
ClientSampleId :
VNJ-210

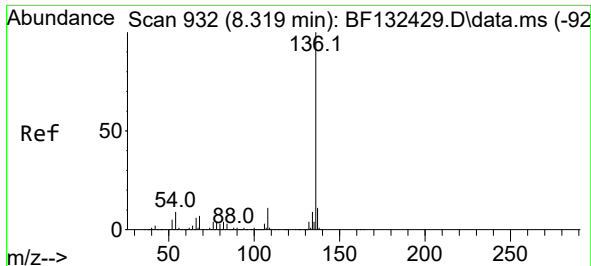
Tgt Ion: 99 Resp: 1436105
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 36.3 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.853 ng
RT: 7.590 min Scan# 808
Delta R.T. 0.153 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion: 70 Resp: 118085
Ion Ratio Lower Upper
70 100
42 43.4 43.5 65.3#
101 0.0 7.3 10.9#
130 2.0 13.9 20.9#

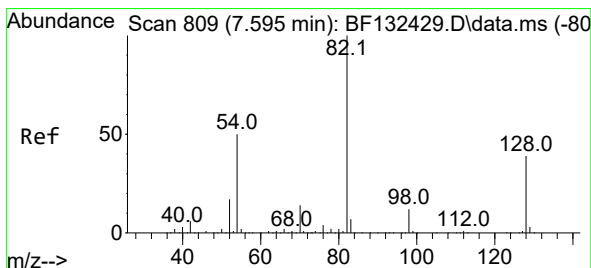
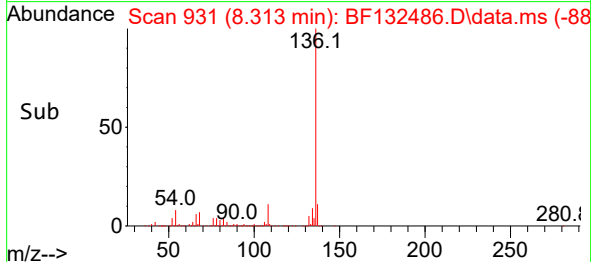
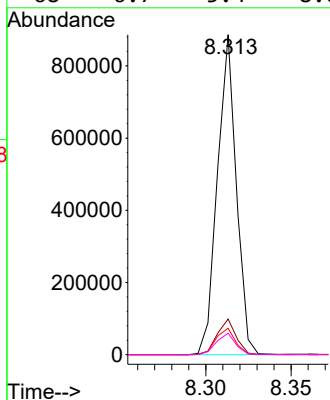
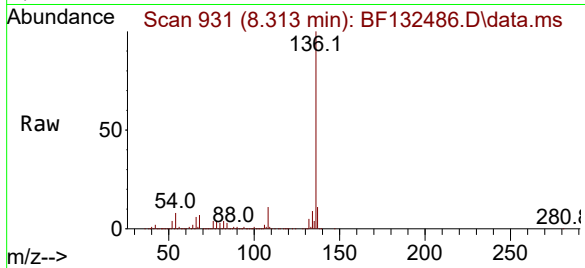




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

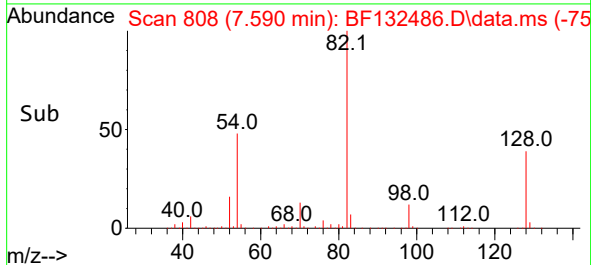
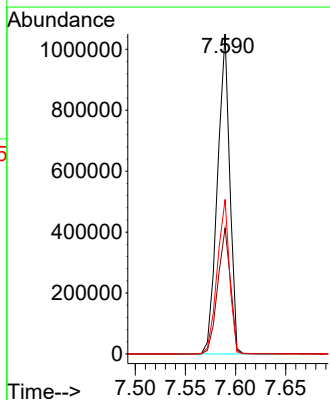
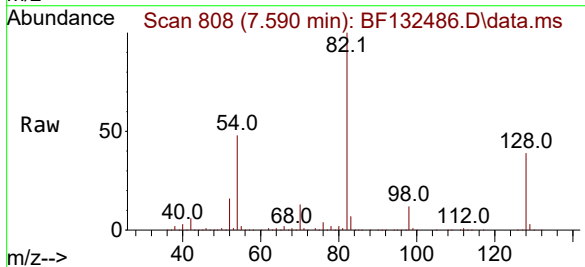
Instrument :
BNA_F
ClientSampleId :
VNJ-210

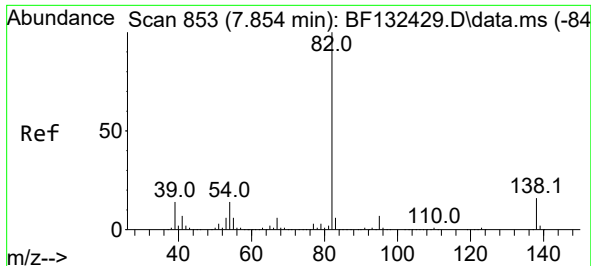
Tgt Ion:136 Resp: 684802
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.9 10.3
68 6.7 5.4 8.0



#23
Nitrobenzene-d5
Concen: 62.915 ng
RT: 7.590 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion: 82 Resp: 896670
Ion Ratio Lower Upper
82 100
128 39.3 30.8 46.2
54 48.3 40.2 60.4

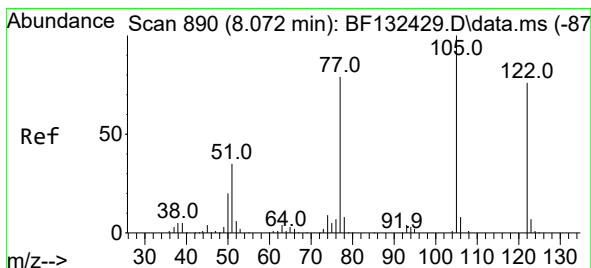
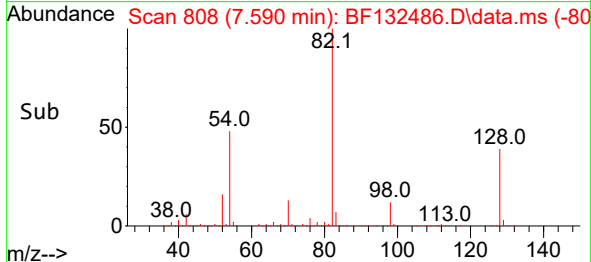
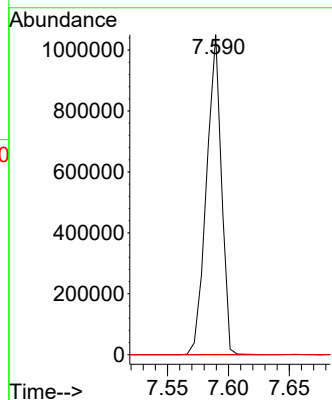
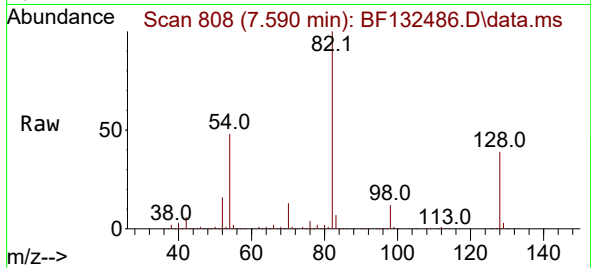




#25
Isophorone
Concen: 32.015 ng
RT: 7.590 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

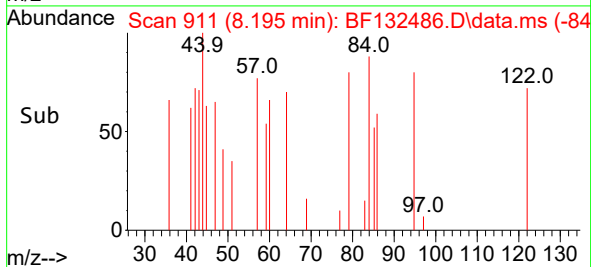
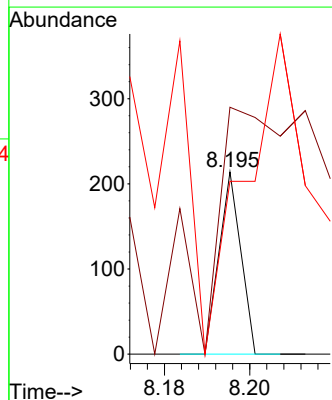
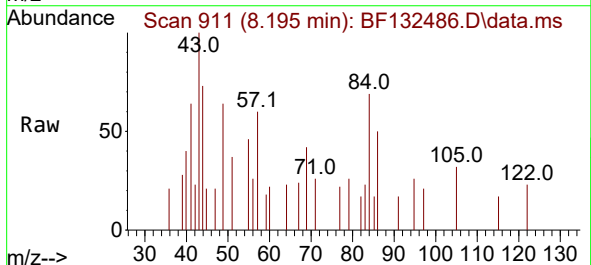
Instrument :
BNA_F
ClientSampleId :
VNJ-210

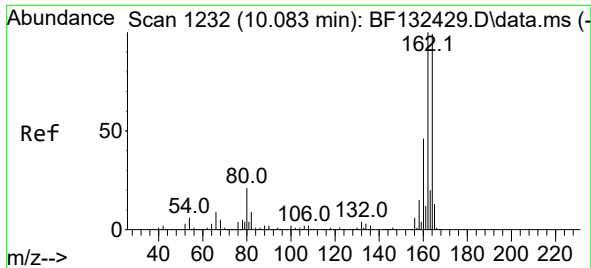
Tgt Ion: 82 Resp: 896585
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.158 ng
RT: 8.195 min Scan# 911
Delta R.T. 0.118 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion: 122 Resp: 75
Ion Ratio Lower Upper
122 100
105 135.5 109.7 149.7
77 94.9 83.8 123.8

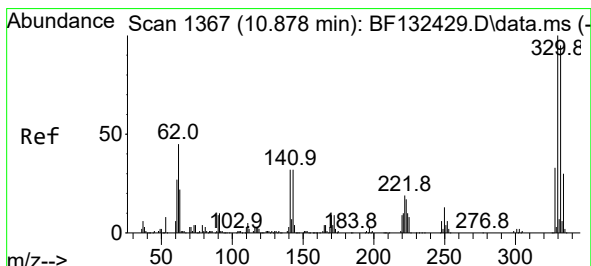
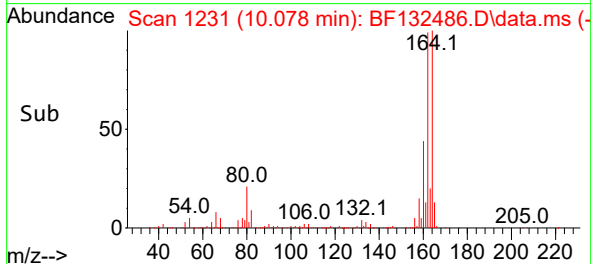
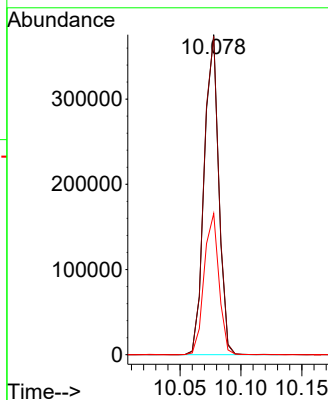
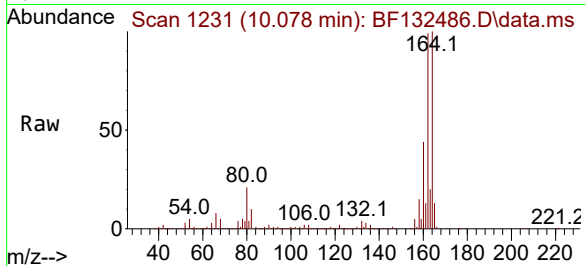




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

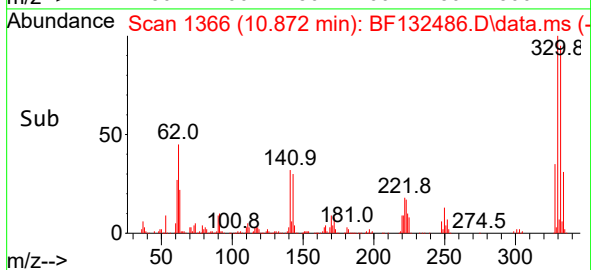
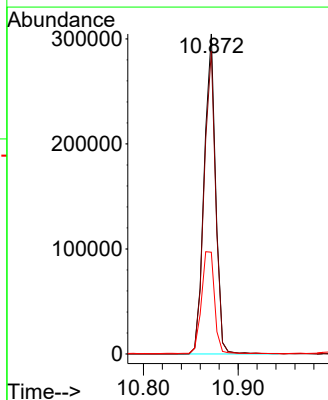
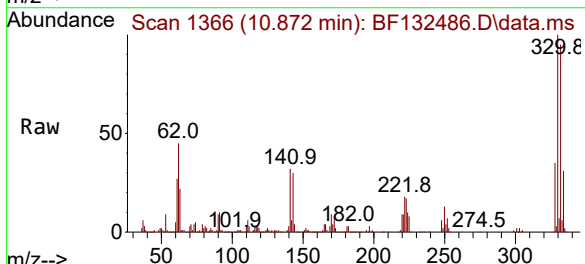
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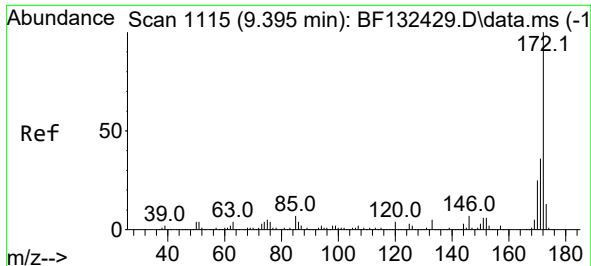
Tgt Ion:164 Resp: 310216
Ion Ratio Lower Upper
164 100
162 99.5 80.8 121.2
160 44.1 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 82.523 ng
RT: 10.872 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion:330 Resp: 255422
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 36.0 30.3 45.5





#45

2-Fluorobiphenyl

Concen: 66.844 ng

RT: 9.389 min Scan# 1114

Delta R.T. 0.000 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

Instrument :

BNA_F

ClientSampleId :

VNJ-210

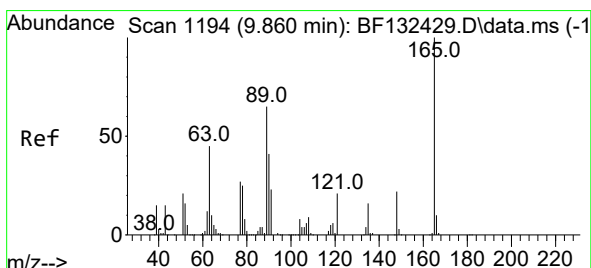
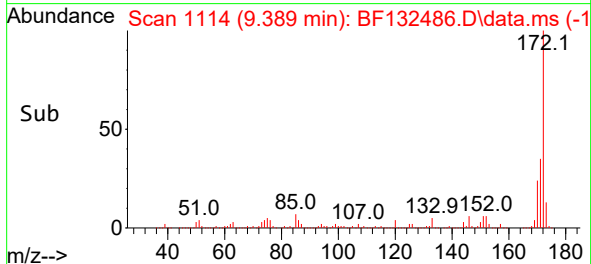
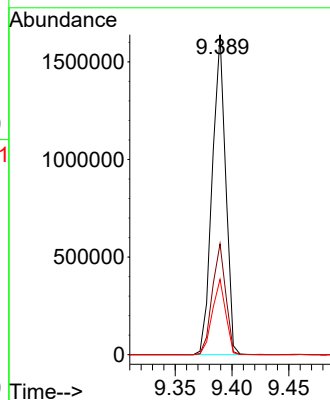
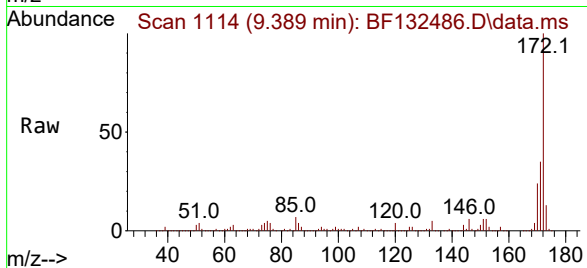
Tgt Ion:172 Resp: 1342749

Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.6 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 8.331 ng

RT: 10.078 min Scan# 1231

Delta R.T. 0.224 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

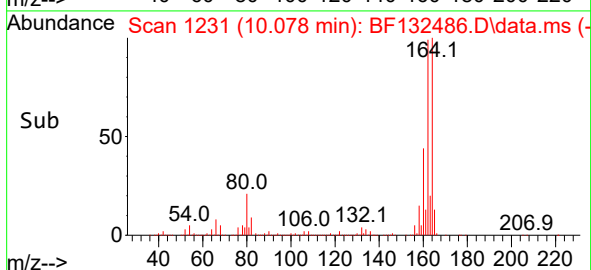
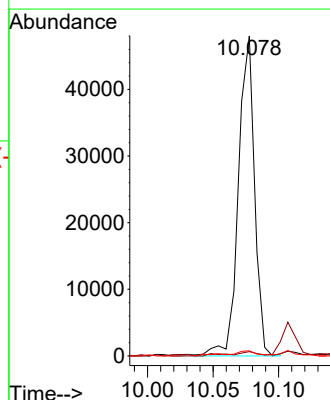
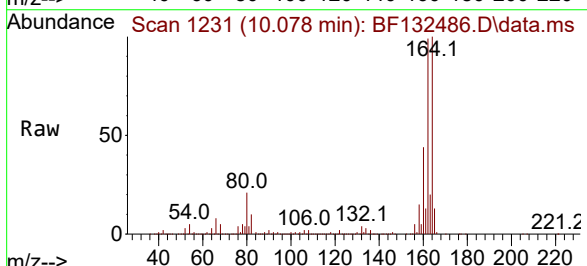
Tgt Ion:165 Resp: 41390

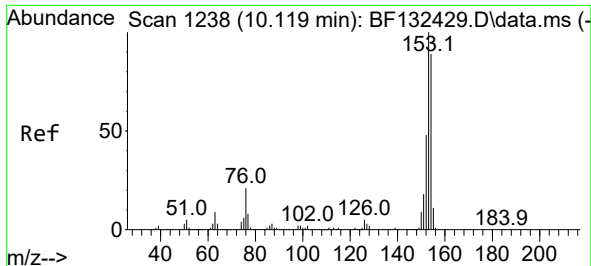
Ion Ratio Lower Upper

165 100

63 1.4 50.4 75.6#

89 1.6 52.2 78.2#

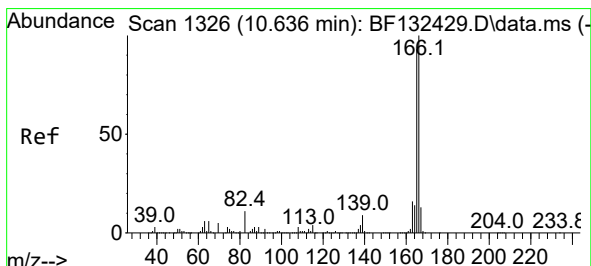
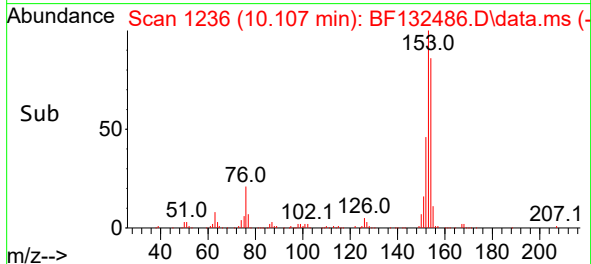
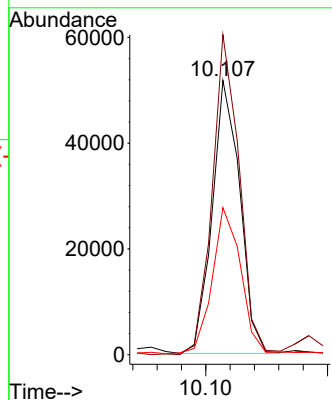
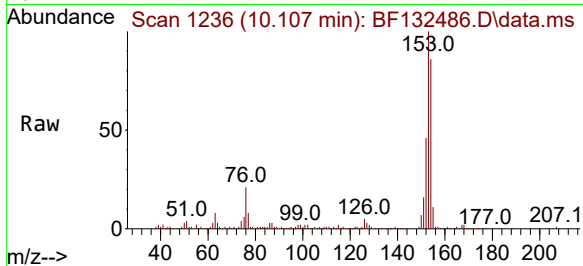




#52
Acenaphthene
Concen: 2.183 ng
RT: 10.107 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

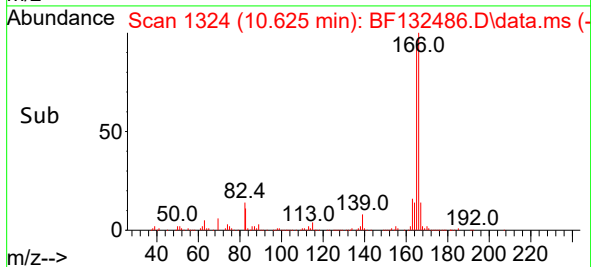
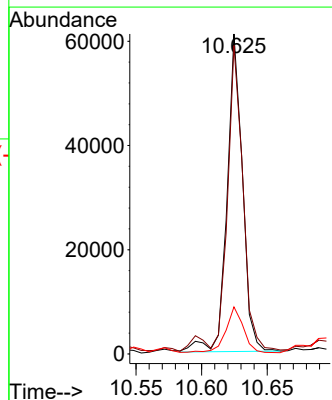
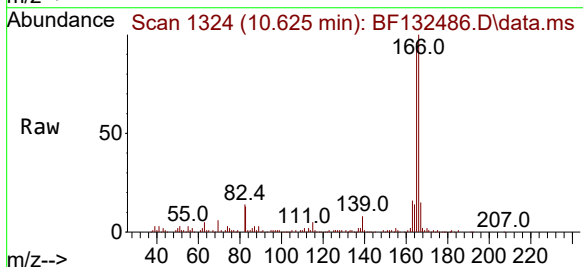
Instrument :
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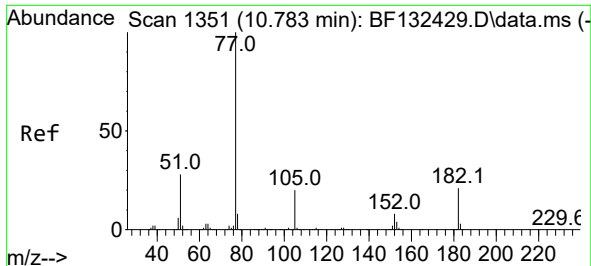
Tgt Ion:154 Resp: 40685
Ion Ratio Lower Upper
154 100
153 116.7 89.7 134.5
152 53.6 43.4 65.0



#58
Fluorene
Concen: 2.386 ng
RT: 10.625 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion:166 Resp: 49863
Ion Ratio Lower Upper
166 100
165 96.4 74.6 111.8
167 14.7 10.8 16.2

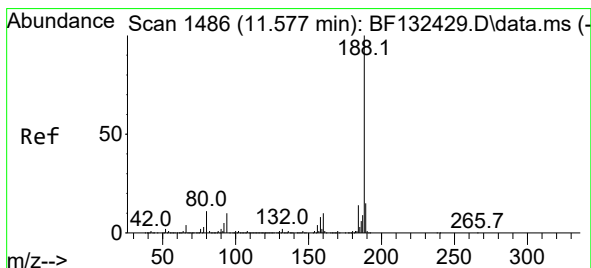
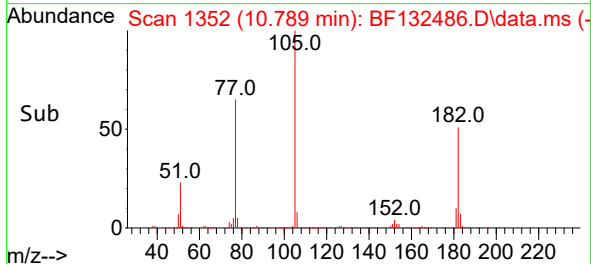
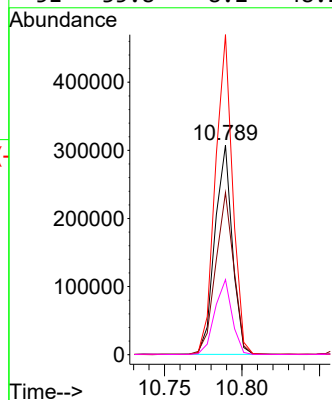
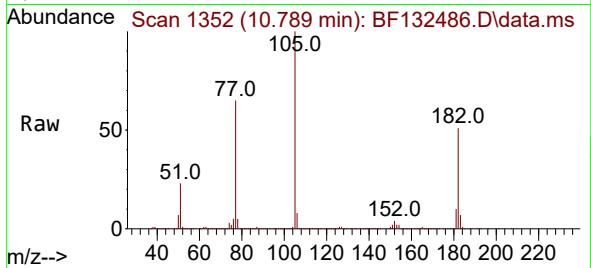




#63
Azobenzene
Concen: 9.649 ng
RT: 10.789 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

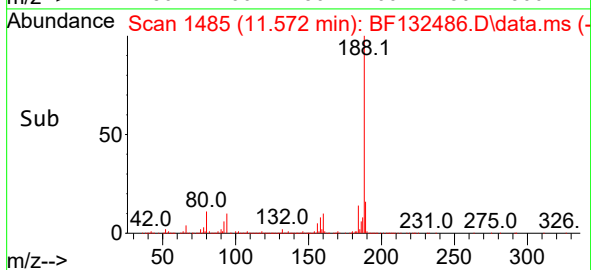
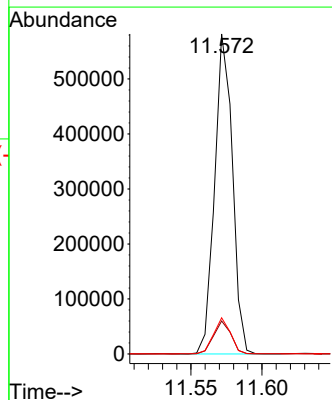
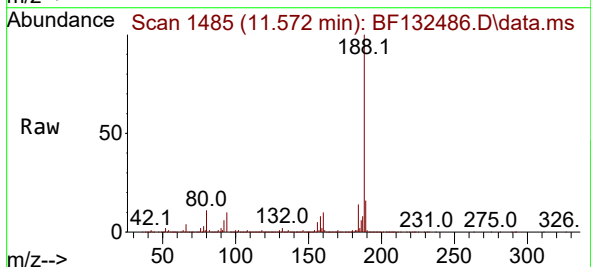
Instrument :
BNA_F
ClientSampleId :
VNJ-210

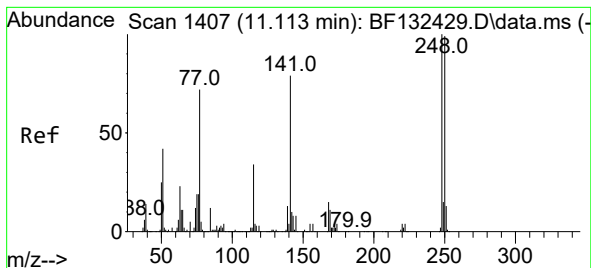
Tgt Ion: 77 Resp: 239755
Ion Ratio Lower Upper
77 100
182 77.3 1.4 41.4#
105 152.7 0.1 40.1#
51 35.8 8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion: 188 Resp: 507533
Ion Ratio Lower Upper
188 100
94 10.3 8.0 12.0
80 11.3 8.6 12.8

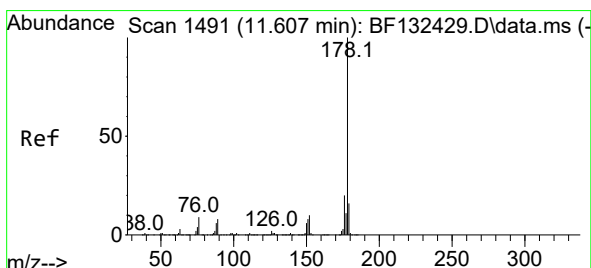
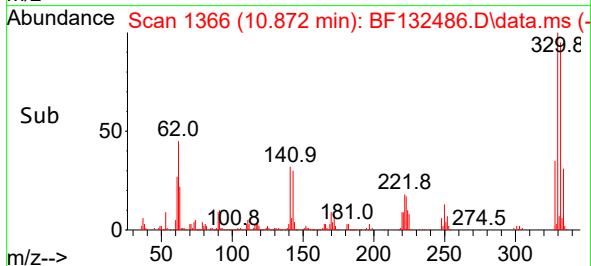
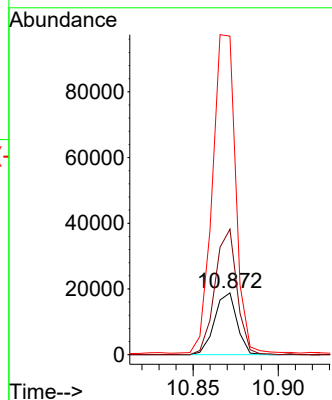
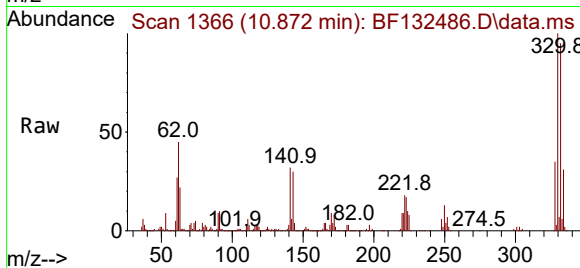




#67
4-Bromophenyl-phenylether
Concen: 3.098 ng
RT: 10.872 min Scan# 11
Delta R.T. -0.235 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

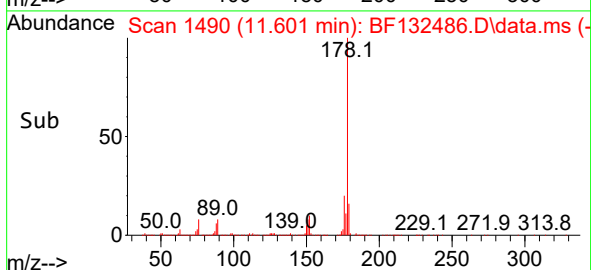
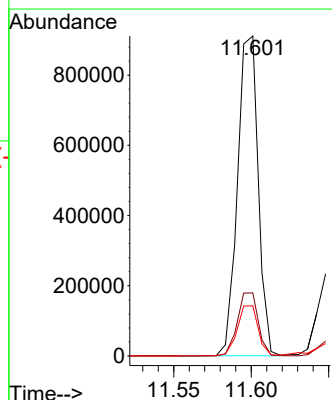
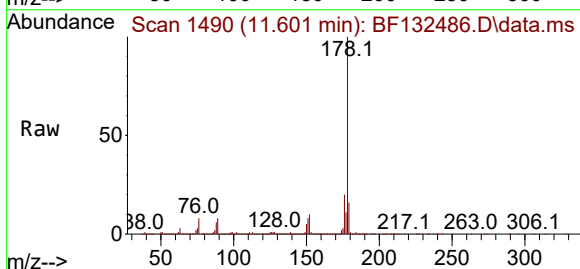
Instrument :
BNA_F
ClientSampleId :
VNJ-210

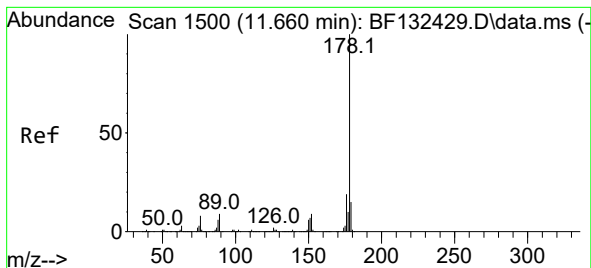
Tgt Ion:248 Resp: 17231
Ion Ratio Lower Upper
248 100
250 203.3 79.0 118.4#
141 516.0 63.3 94.9#



#71
Phenanthrene
Concen: 32.376 ng
RT: 11.601 min Scan# 1490
Delta R.T. 0.006 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion:178 Resp: 846314
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.2
179 15.7 12.6 18.8





#72

Anthracene

Concen: 7.033 ng

RT: 11.648 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

Instrument :

BNA_F

ClientSampleId :

VNJ-210

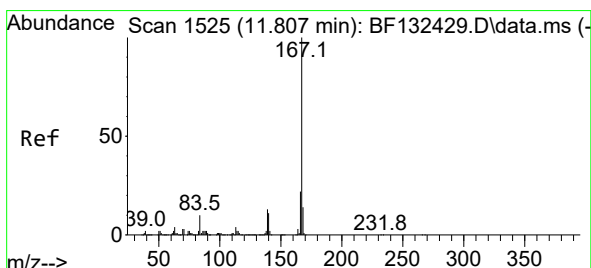
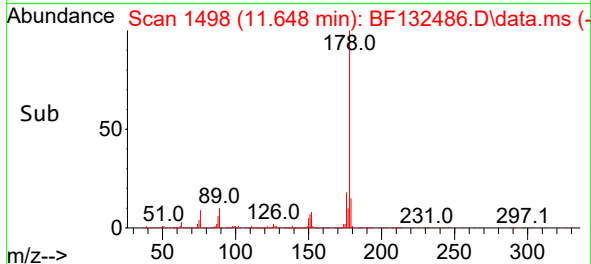
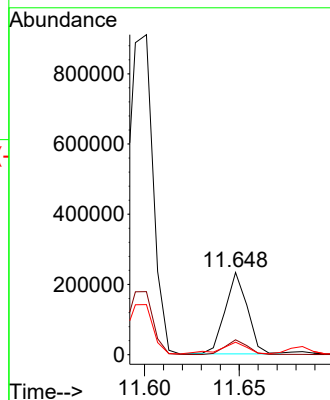
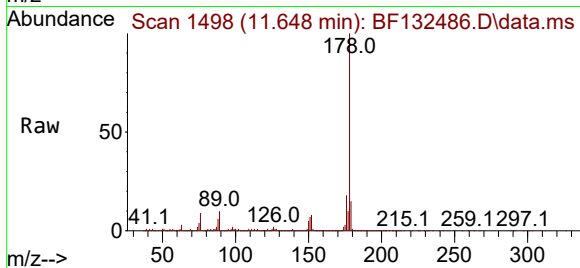
Tgt Ion:178 Resp: 189000

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.3 12.4 18.6



#73

Carbazole

Concen: 3.656 ng

RT: 11.801 min Scan# 1524

Delta R.T. 0.000 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

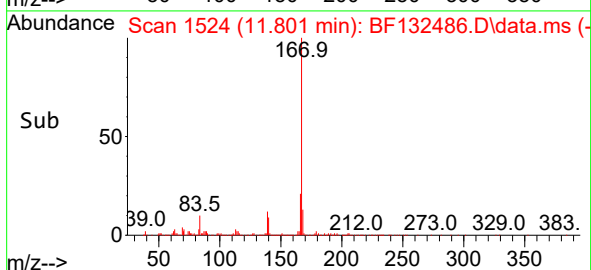
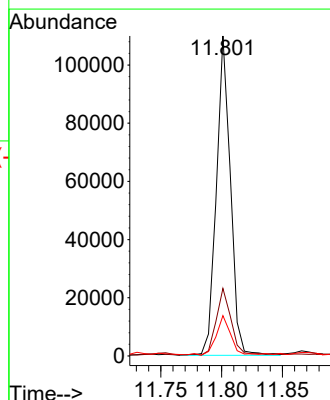
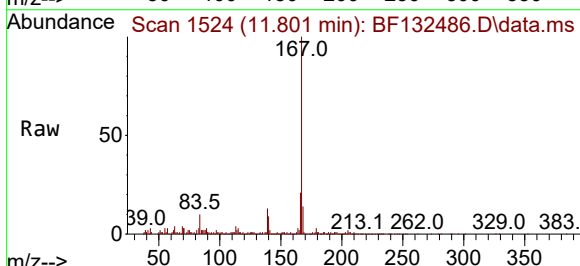
Tgt Ion:167 Resp: 88444

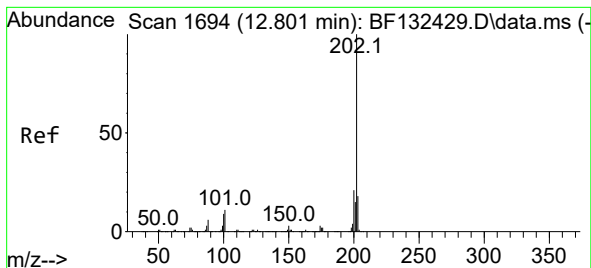
Ion Ratio Lower Upper

167 100

166 21.1 17.8 26.8

139 12.6 10.7 16.1





#75

Fluoranthene

Concen: 58.550 ng

RT: 12.801 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

Instrument :

BNA_F

ClientSampleId :

VNJ-210

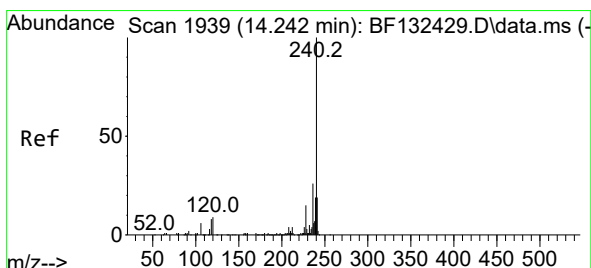
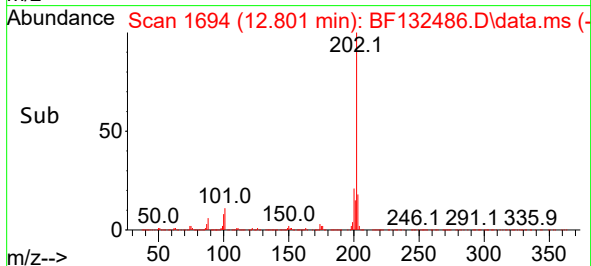
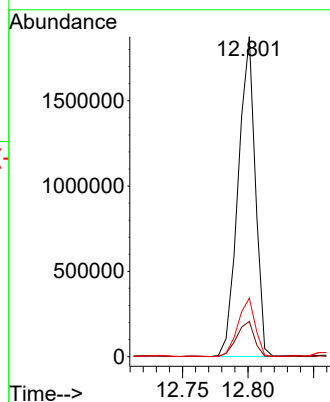
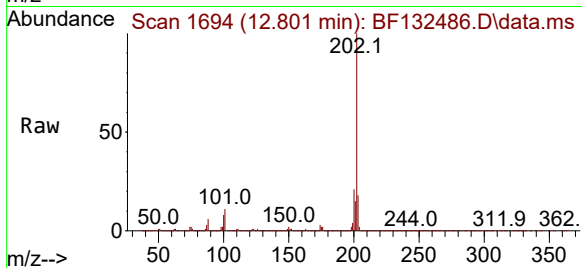
Tgt Ion:202 Resp: 1706839

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.3

203 18.3 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.236 min Scan# 1938

Delta R.T. 0.006 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

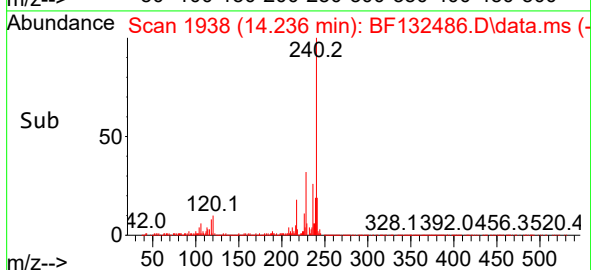
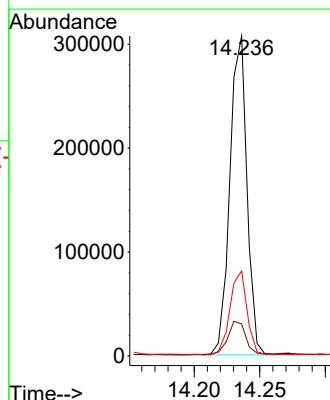
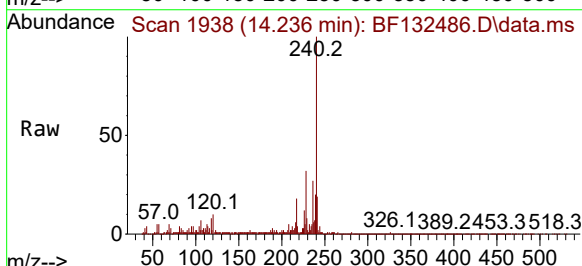
Tgt Ion:240 Resp: 278060

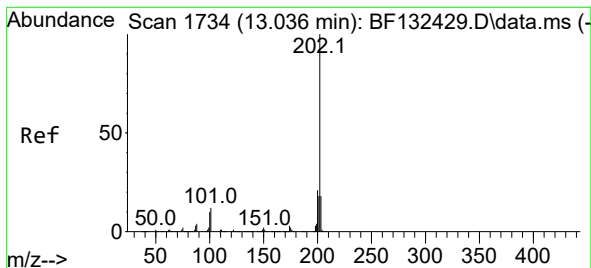
Ion Ratio Lower Upper

240 100

120 10.0 7.5 11.3

236 26.6 21.0 31.6





#78

Pyrene

Concen: 61.729 ng

RT: 13.030 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

Instrument :

BNA_F

ClientSampleId :

VNJ-210

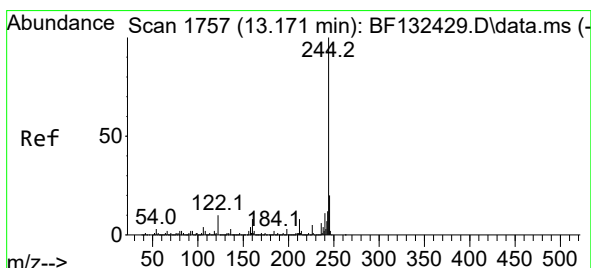
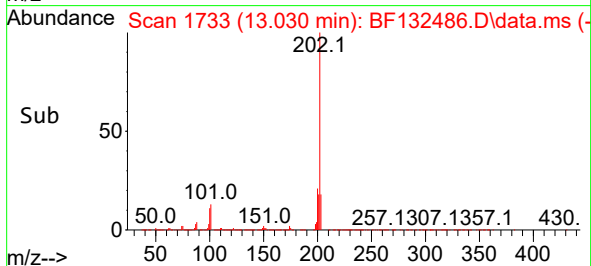
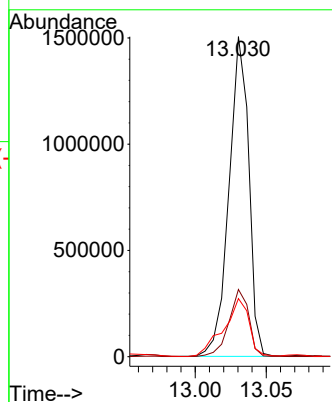
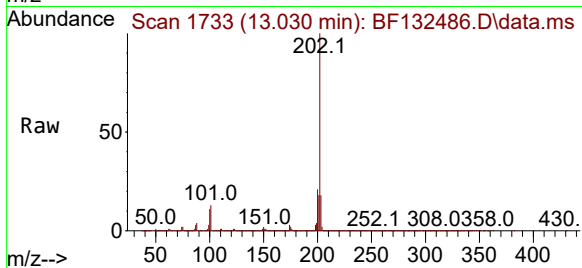
Tgt Ion:202 Resp: 1458111

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

203 18.1 14.3 21.5



#79

Terphenyl-d14

Concen: 75.736 ng

RT: 13.166 min Scan# 1756

Delta R.T. 0.006 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

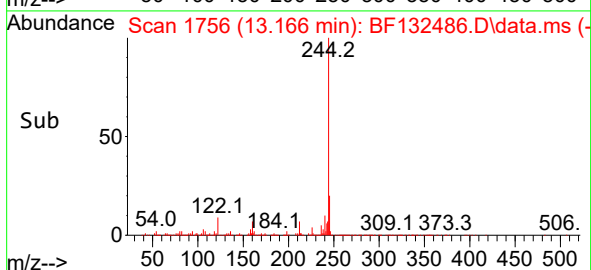
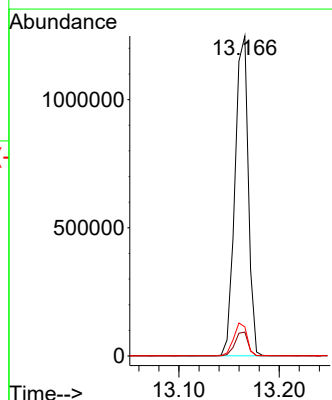
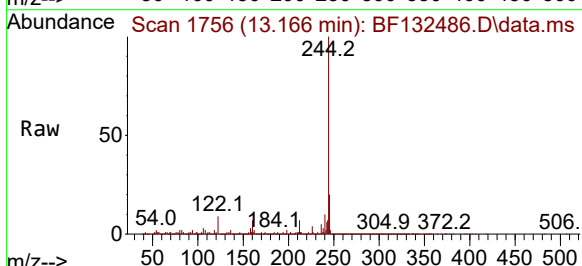
Tgt Ion:244 Resp: 1156328

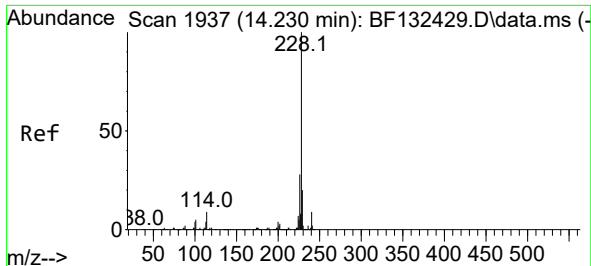
Ion Ratio Lower Upper

244 100

212 7.5 6.7 10.1

122 9.1 7.7 11.5

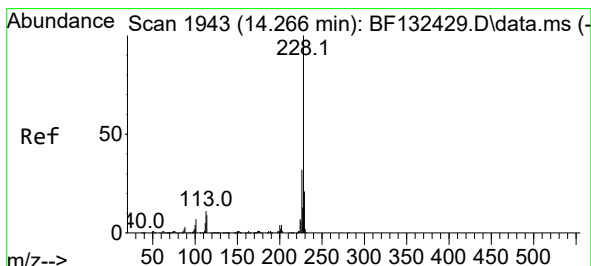
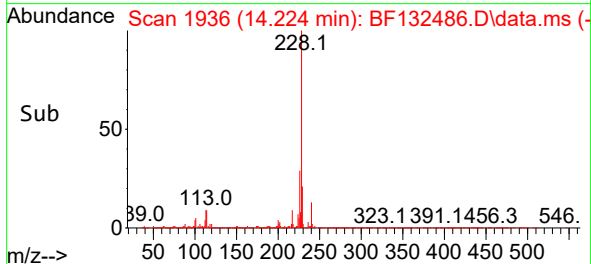
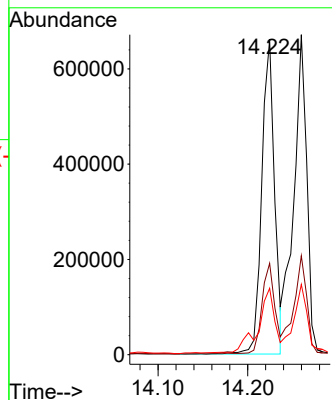
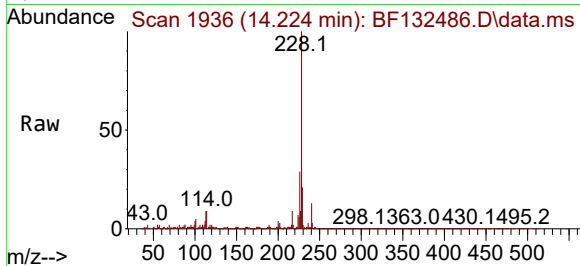




#81
Benzo(a)anthracene
Concen: 32.131 ng
RT: 14.224 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

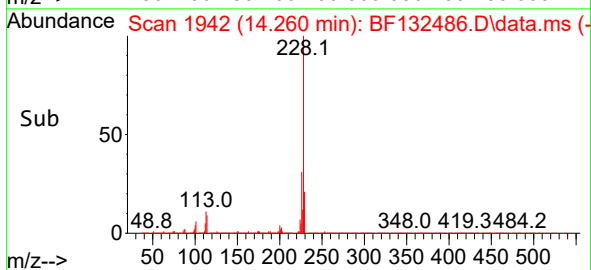
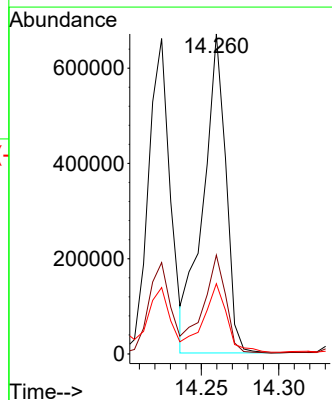
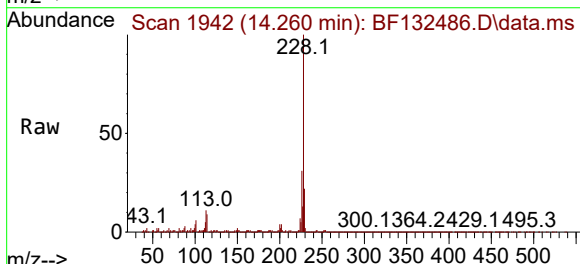
Instrument :
BNA_F
ClientSampleId :
VNJ-210

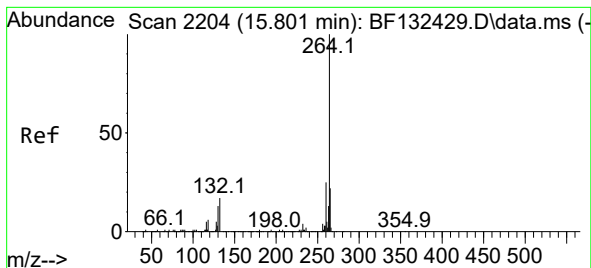
Tgt Ion:228 Resp: 654356
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 21.1 16.2 24.4



#83
Chrysene
Concen: 35.029 ng
RT: 14.260 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion:228 Resp: 681596
Ion Ratio Lower Upper
228 100
226 30.9 25.4 38.2
229 22.0 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.801 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

Instrument :

BNA_F

ClientSampleId :

VNJ-210

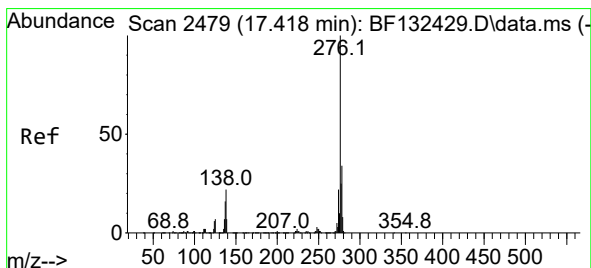
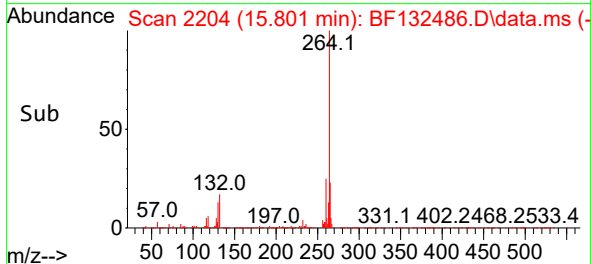
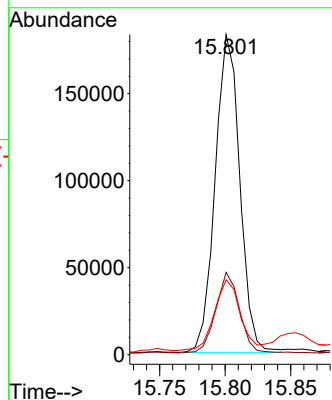
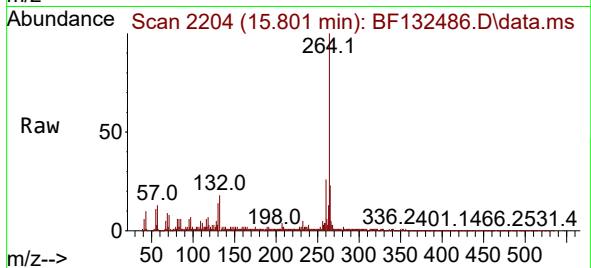
Tgt Ion:264 Resp: 238418

Ion Ratio Lower Upper

264 100

260 25.7 20.0 30.0

265 23.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.308 ng

RT: 17.424 min Scan# 2480

Delta R.T. 0.024 min

Lab File: BF132486.D

Acq: 20 Feb 2023 19:07

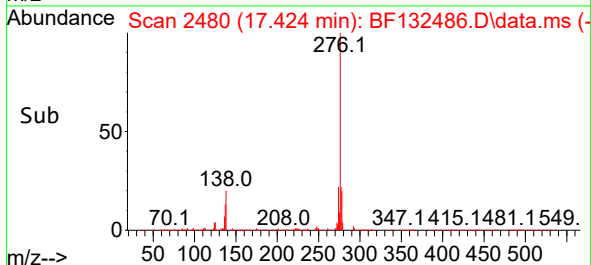
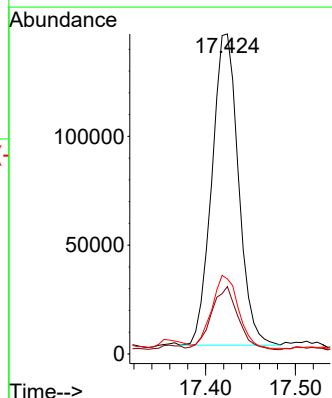
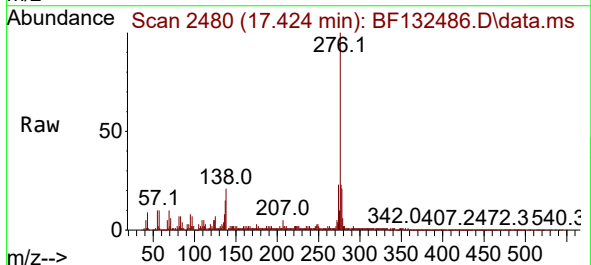
Tgt Ion:276 Resp: 294256

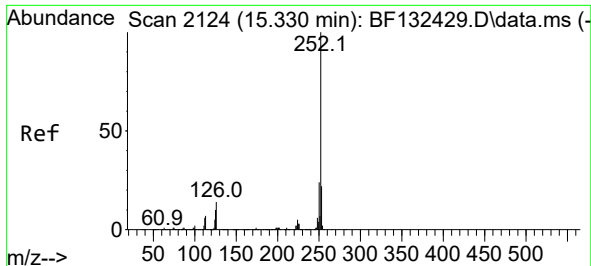
Ion Ratio Lower Upper

276 100

138 20.5 20.2 30.4

277 24.1 20.0 30.0

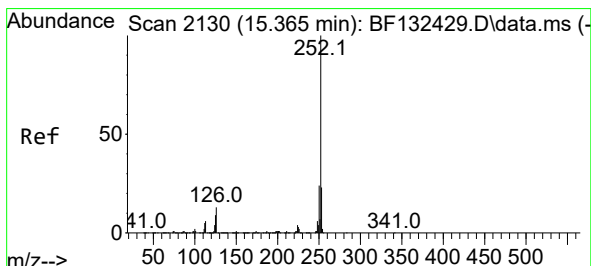
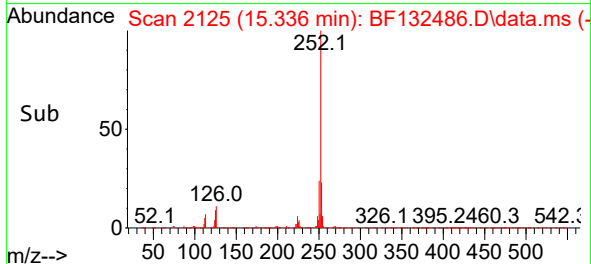
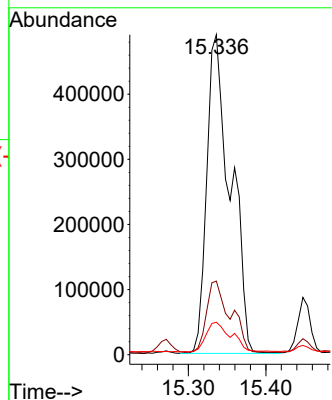
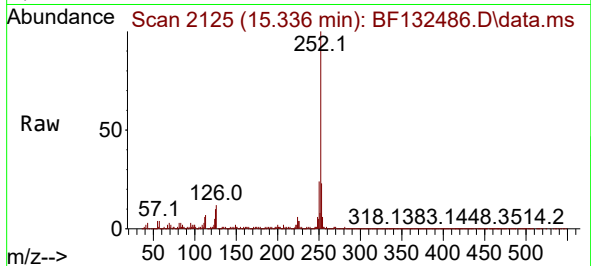




#88
Benzo(b)fluoranthene
Concen: 66.465 ng
RT: 15.336 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

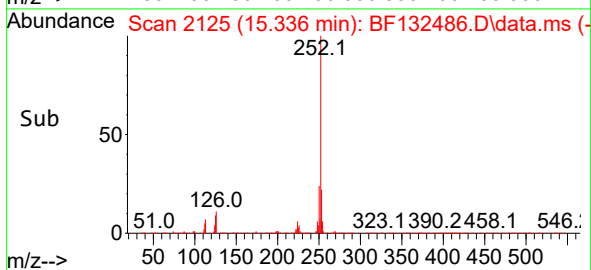
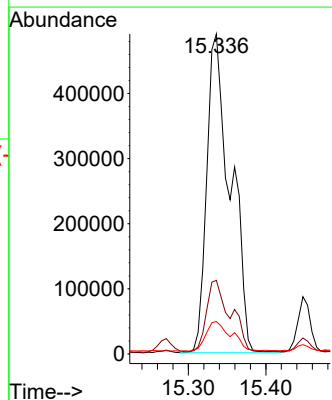
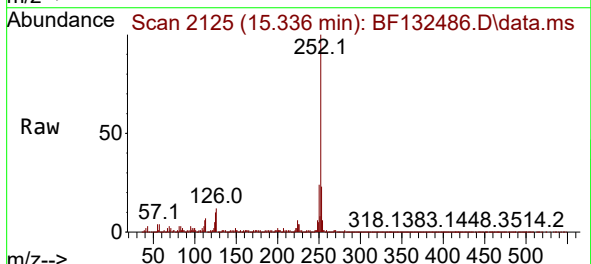
Instrument :
BNA_F
ClientSampleId :
VNJ-210

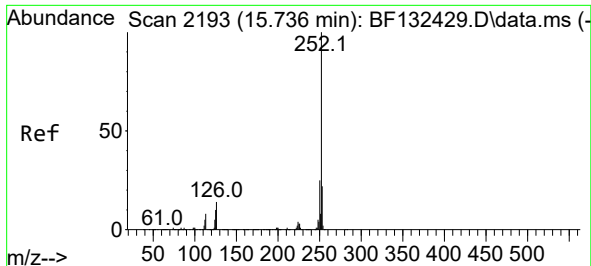
Tgt Ion:252 Resp: 1042073
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.2 7.6 11.4



#89
Benzo(k)fluoranthene
Concen: 66.417 ng
RT: 15.336 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Tgt Ion:252 Resp: 1042073
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 10.2 7.5 11.3

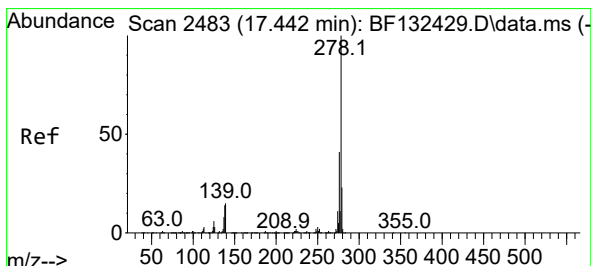
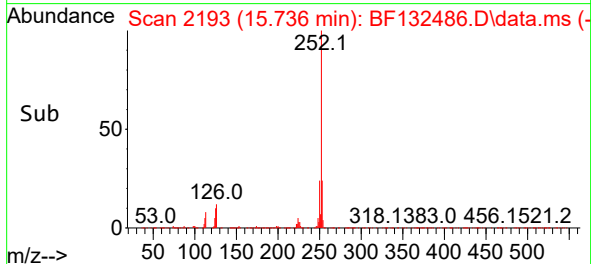
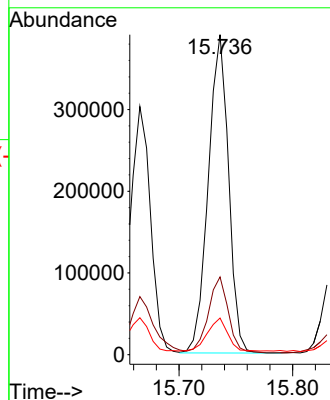
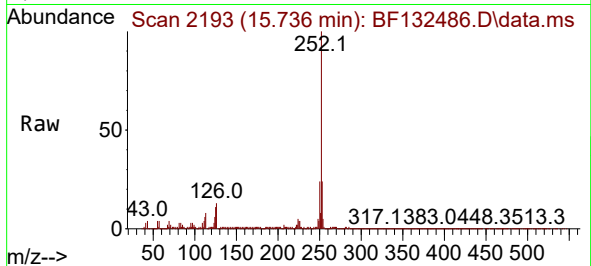




#90
Benzo(a)pyrene
Concen: 33.177 ng
RT: 15.736 min Scan# 2193
Delta R.T. 0.018 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

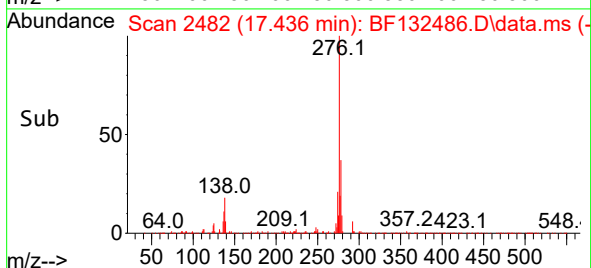
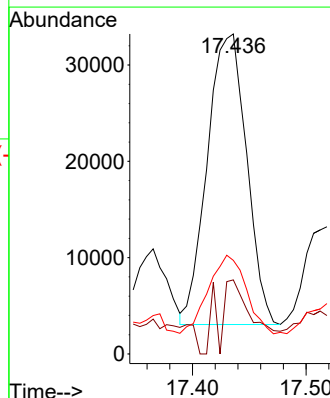
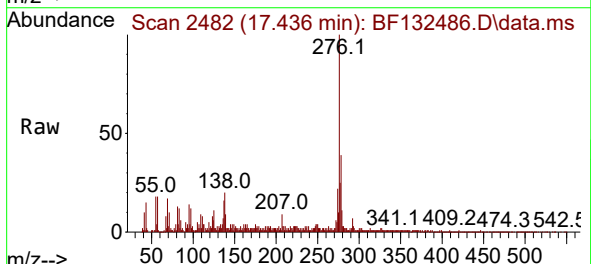
Instrument :
BNA_F
ClientSampleId :
VNJ-210

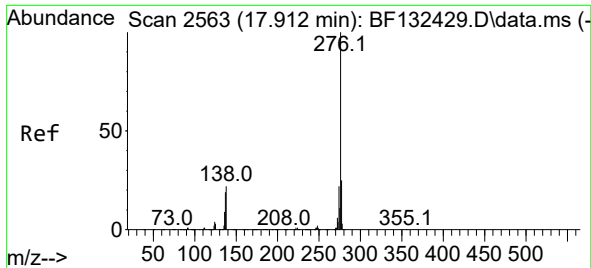
Tgt Ion:252 Resp: 483412
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 11.4 8.2 12.4



#91
Dibenzo(a,h)anthracene
Concen: 5.765 ng
RT: 17.436 min Scan# 2482
Delta R.T. 0.018 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

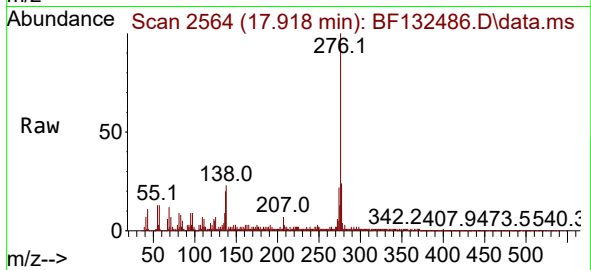
Tgt Ion:278 Resp: 72361
Ion Ratio Lower Upper
278 100
139 23.2 12.2 18.2#
279 29.3 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 21.311 ng
RT: 17.918 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF132486.D
Acq: 20 Feb 2023 19:07

Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:276 Resp: 274722
Ion Ratio Lower Upper
276 100
277 24.4 19.6 29.4
138 22.6 17.7 26.5

