

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127811.D
 Acq On : 15 Apr 2022 18:54
 Operator : CG\JU
 Sample : N2392-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Quant Time: Apr 18 01:26:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

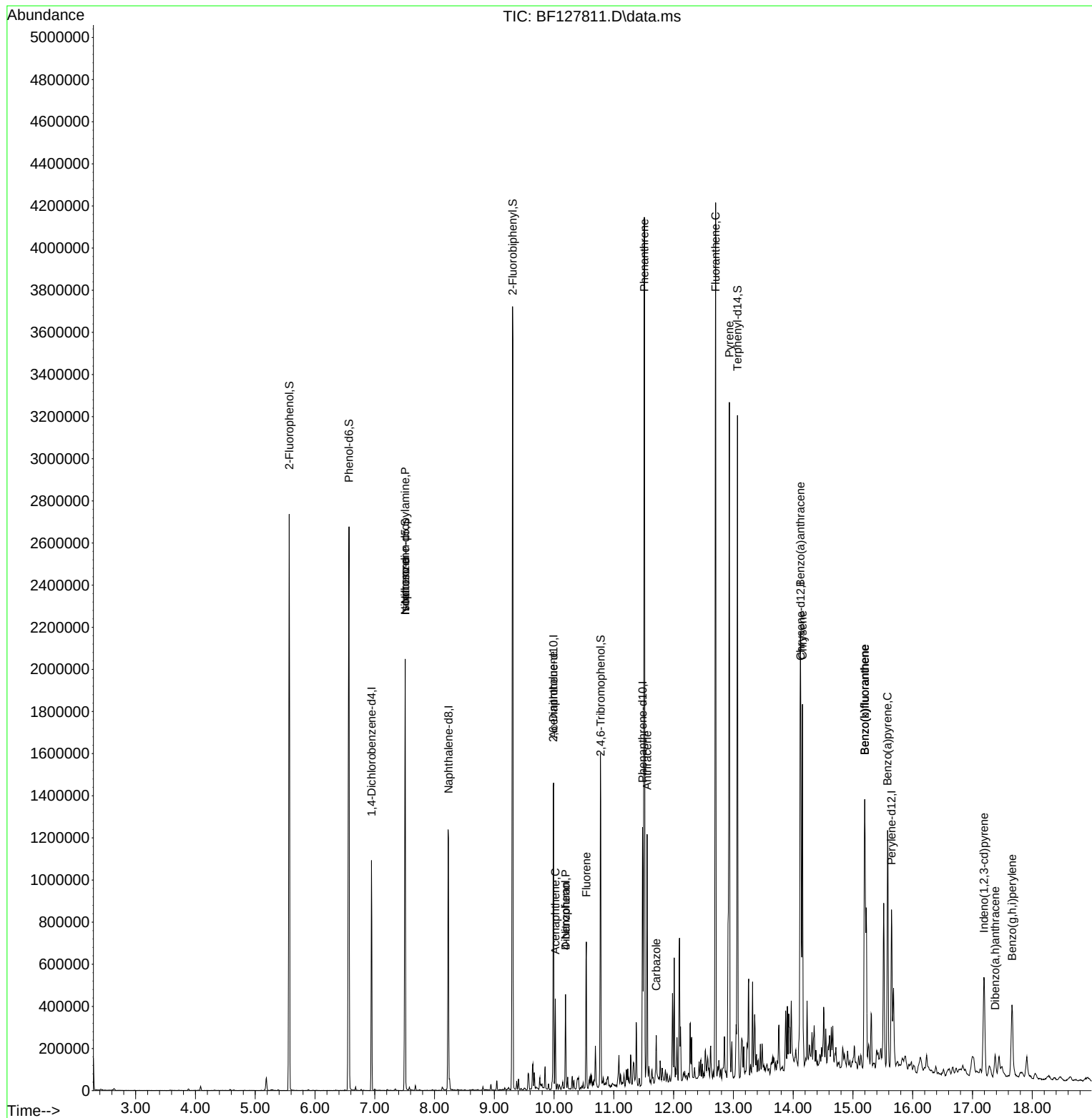
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	153815	20.000	ng	-0.02
21) Naphthalene-d8	8.234	136	572914	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	310688	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	479660	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	320363	20.000	ng	-0.02
86) Perylene-d12	15.645	264	356717	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	694363	73.353	ng	-0.01
7) Phenol-d6	6.569	99	928535	74.981	ng	-0.02
23) Nitrobenzene-d5	7.510	82	672261	52.312	ng	-0.02
42) 2,4,6-Tribromophenol	10.780	330	162758	49.228	ng	-0.02
45) 2-Fluorobiphenyl	9.310	172	1238372	56.387	ng	-0.01
79) Terphenyl-d14	13.069	244	1009429	52.009	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	612	Below Cal		91
19) n-Nitroso-di-n-propyla...	7.510	70	91216	11.388 ng	#	71
25) Isophorone	7.510	82	666058	29.703 ng	#	70
51) 2,6-Dinitrotoluene	9.986	165	42396	9.987 ng	#	17
52) Acenaphthene	10.022	154	77798	4.299 ng		99
55) Dibenzofuran	10.192	168	143360	5.429 ng		100
56) 4-Nitrophenol	10.192	139	54840	15.569 ng	#	1
58) Fluorene	10.539	166	183119	9.386 ng		99
71) Phenanthrene	11.510	178	1548110	60.916 ng		99
72) Anthracene	11.557	178	403565	16.053 ng		99
73) Carbazole	11.710	167	73491	3.120 ng		98
75) Fluoranthene	12.704	202	1717038	61.914 ng		99
78) Pyrene	12.933	202	1391277	51.429 ng		100
81) Benzo(a)anthracene	14.121	228	743298	34.739 ng		97
83) Chrysene	14.157	228	652310	31.760 ng		97
87) Indeno(1,2,3-cd)pyrene	17.192	276	346928	15.566 ng	#	95
88) Benzo(b)fluoranthene	15.198	252	1102958	48.064 ng		99
89) Benzo(k)fluoranthene	15.198	252	1102958	48.461 ng		98
90) Benzo(a)pyrene	15.580	252	603076	32.334 ng		96
91) Dibenzo(a,h)anthracene	17.380	278	67517	3.739 ng		93
92) Benzo(g,h,i)perylene	17.662	276	297183	16.053 ng		98

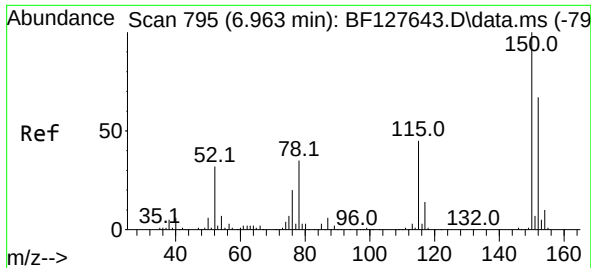
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
Data File : BF127811.D
Acq On : 15 Apr 2022 18:54
Operator : CG\JU
Sample : N2392-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-212

Quant Time: Apr 18 01:26:30 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 2022
Response via : Initial Calibration

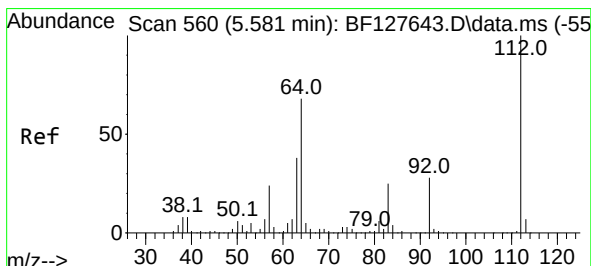
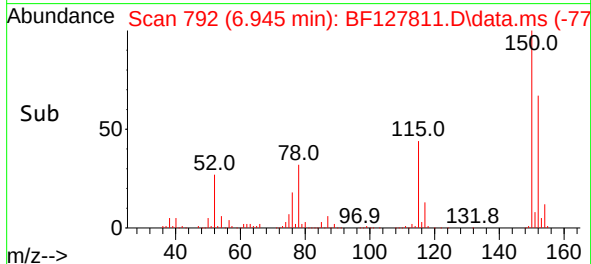
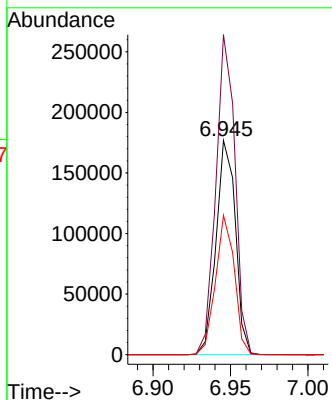
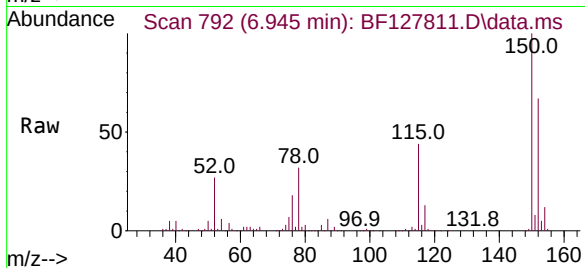




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.945 min Scan# 795
 Delta R.T. -0.018 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

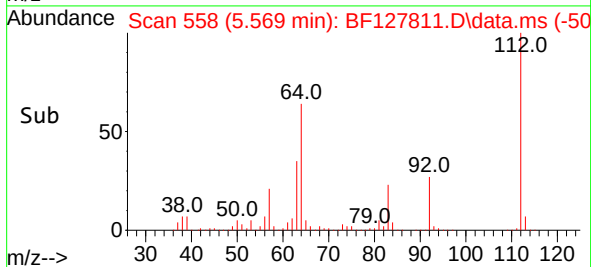
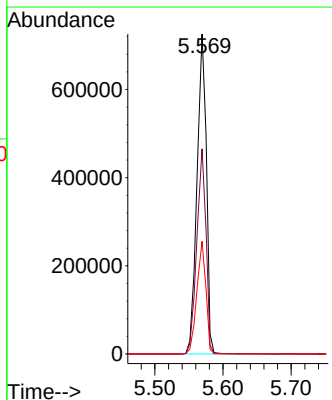
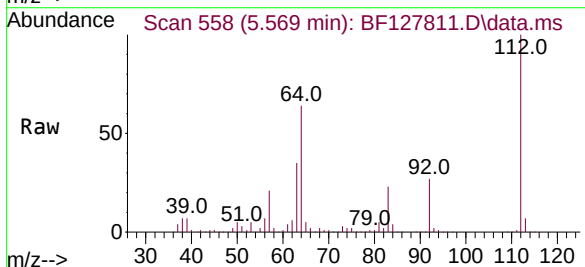
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

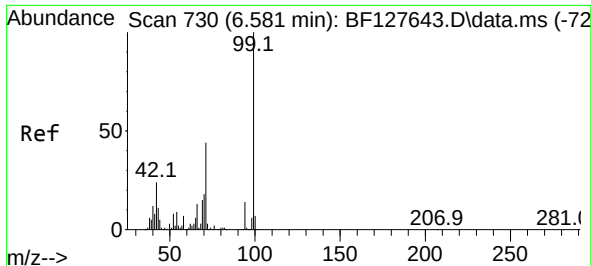
Tgt Ion:152 Resp: 153815
 Ion Ratio Lower Upper
 152 100
 150 149.4 117.2 175.8
 115 65.0 49.8 74.6



#5
 2-Fluorophenol
 Concen: 73.353 ng
 RT: 5.569 min Scan# 558
 Delta R.T. -0.012 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

Tgt Ion:112 Resp: 694363
 Ion Ratio Lower Upper
 112 100
 64 64.1 58.4 87.6
 63 35.2 30.1 45.1

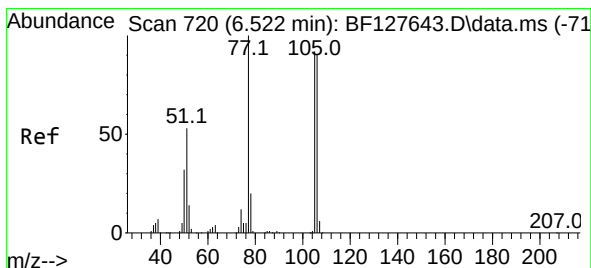
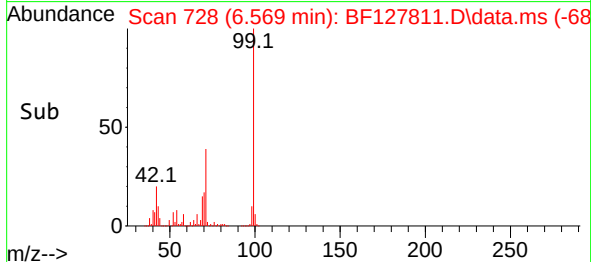
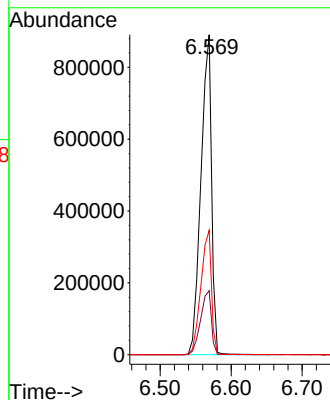
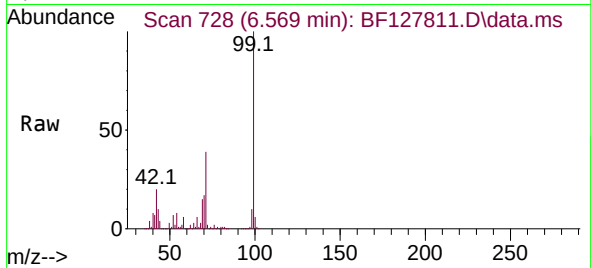




#7
Phenol-d6
Concen: 74.981 ng
RT: 6.569 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

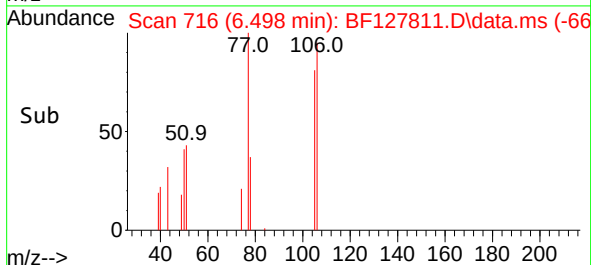
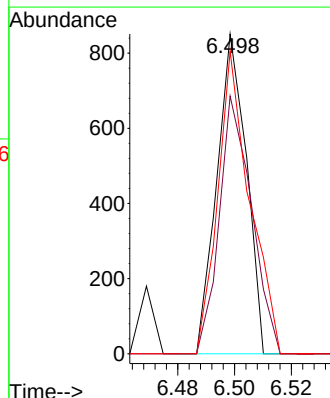
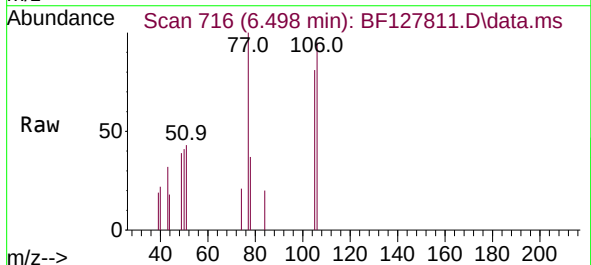
Instrument :
BNA_F
ClientSampleId :
VNJ-212

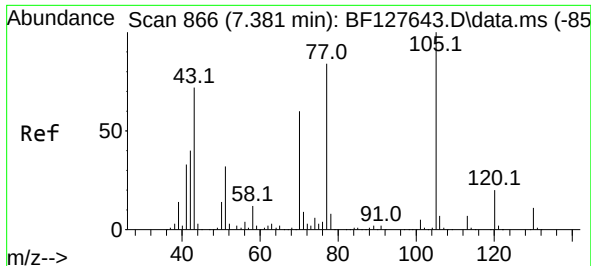
Tgt Ion: 99 Resp: 928535
Ion Ratio Lower Upper
99 100
42 20.0 17.8 26.6
71 38.9 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.498 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion: 77 Resp: 612
Ion Ratio Lower Upper
77 100
105 80.6 66.8 106.8
106 94.6 64.3 104.3





#19

n-Nitroso-di-n-propylamine

Concen: 11.388 ng

RT: 7.510 min Scan# 81

Delta R.T. 0.135 min

Lab File: BF127811.D

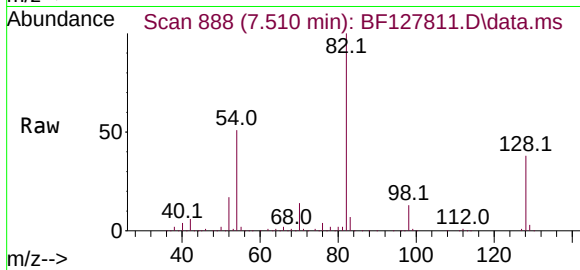
Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212



Tgt Ion: 70 Resp: 91216

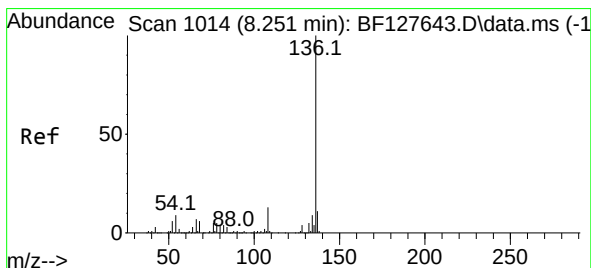
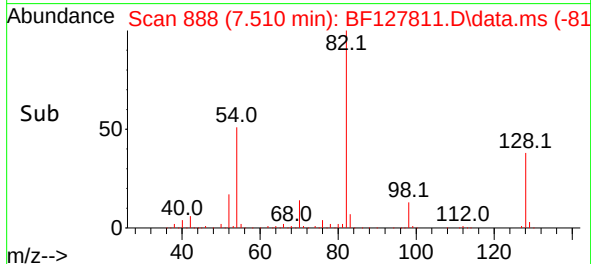
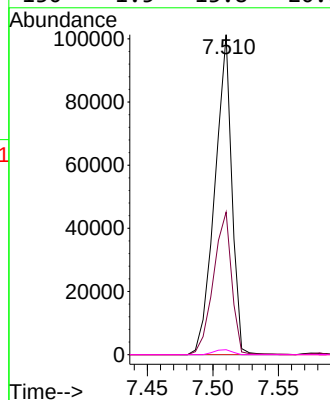
Ion Ratio Lower Upper

70 100

42 44.6 53.0 79.6#

101 0.0 6.8 10.2#

130 1.5 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.234 min Scan# 1011

Delta R.T. -0.012 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Tgt Ion: 136 Resp: 572914

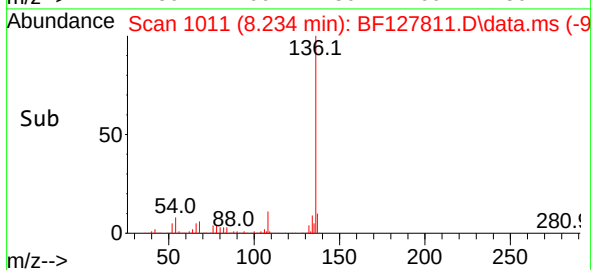
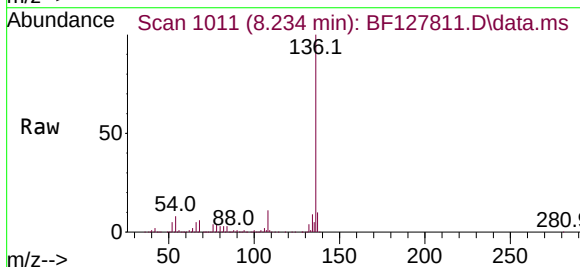
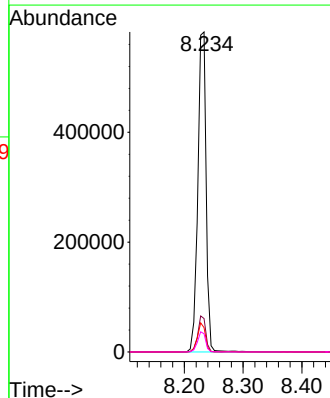
Ion Ratio Lower Upper

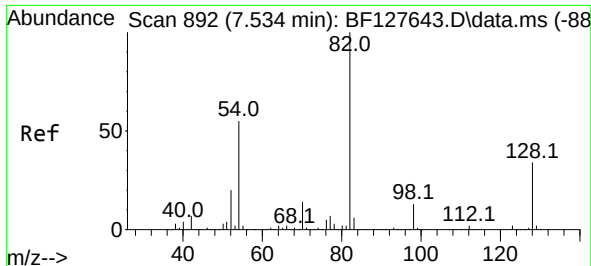
136 100

137 10.4 8.6 13.0

54 7.6 9.2 13.8#

68 5.7 5.4 8.0





#23

Nitrobenzene-d5

Concen: 52.312 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

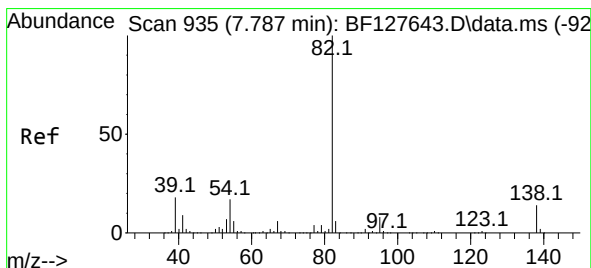
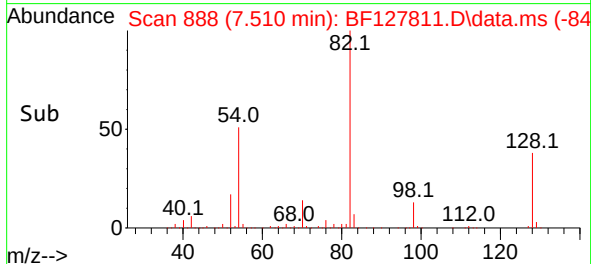
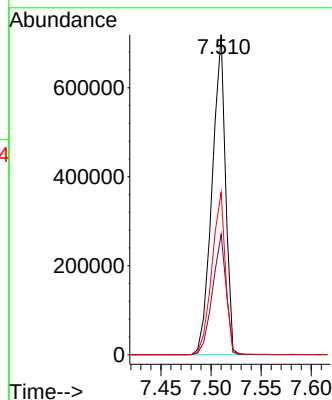
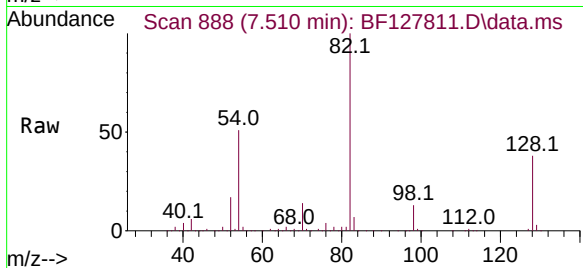
Tgt Ion: 82 Resp: 672261

Ion Ratio Lower Upper

82 100

128 37.7 30.6 45.8

54 50.8 48.2 72.2



#25

Isophorone

Concen: 29.703 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.277 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

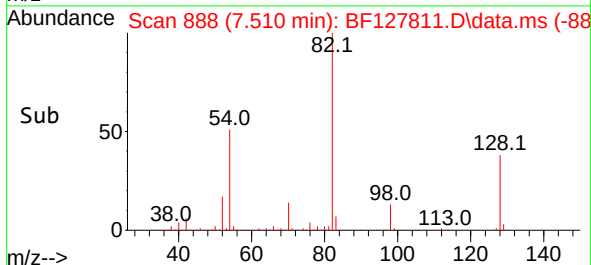
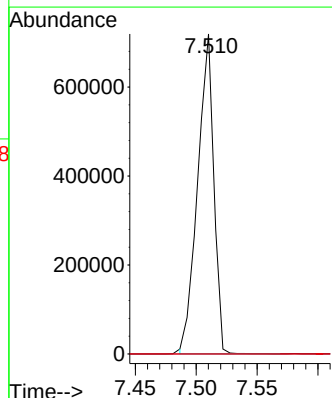
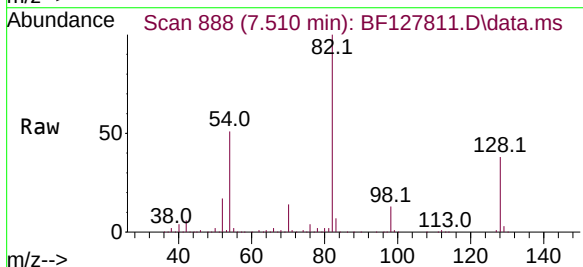
Tgt Ion: 82 Resp: 666058

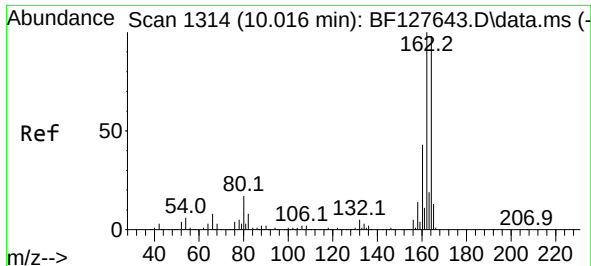
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

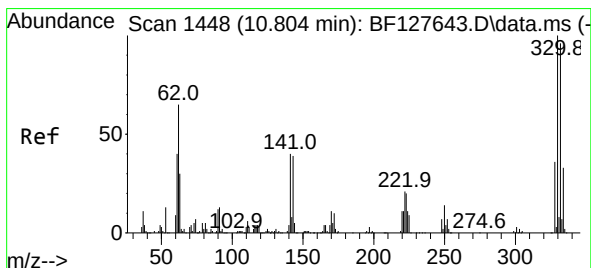
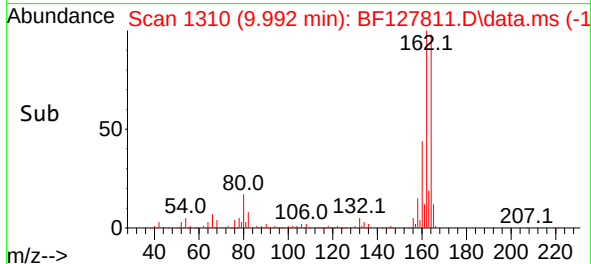
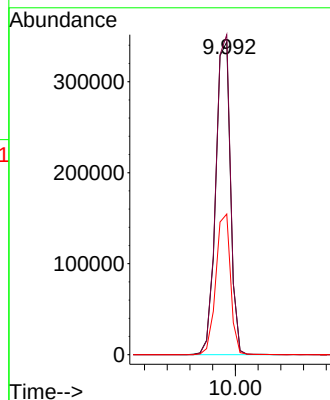
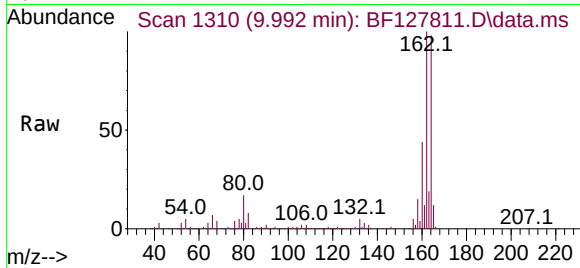




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

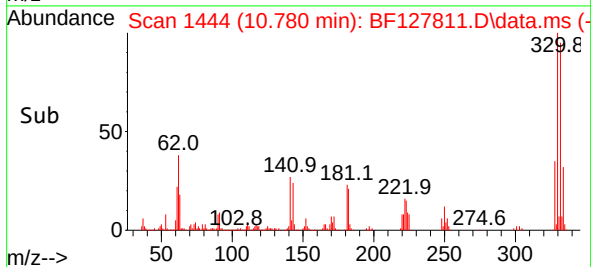
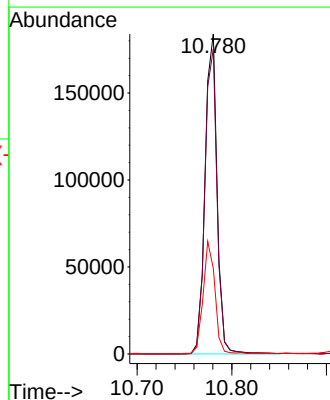
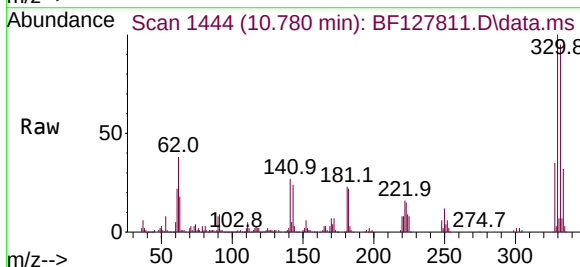
Instrument :
BNA_F
ClientSampleId :
VNJ-212

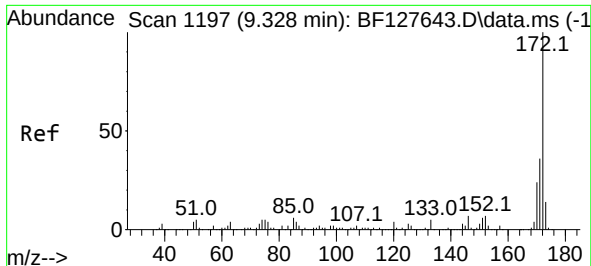
Tgt Ion:164 Resp: 310688
Ion Ratio Lower Upper
164 100
162 102.3 81.2 121.8
160 45.0 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 49.228 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:330 Resp: 162758
Ion Ratio Lower Upper
330 100
332 96.5 79.1 118.7
141 35.1 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 56.387 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

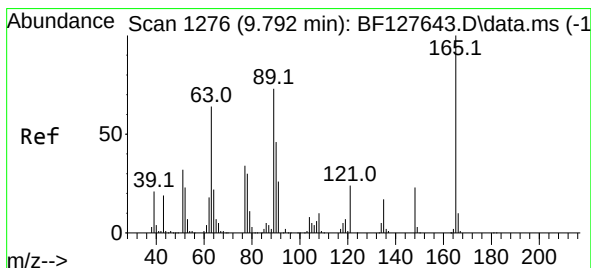
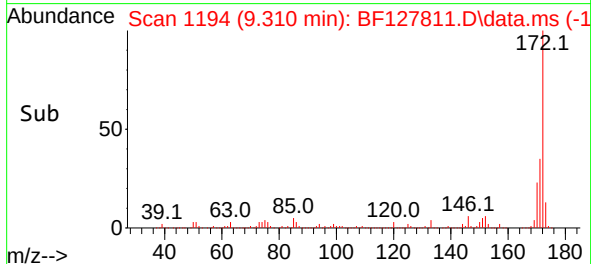
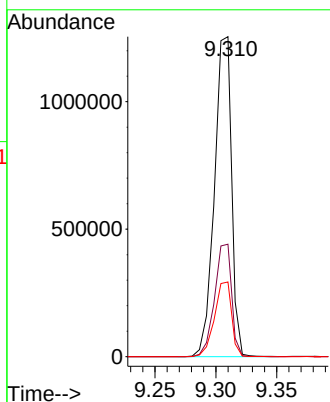
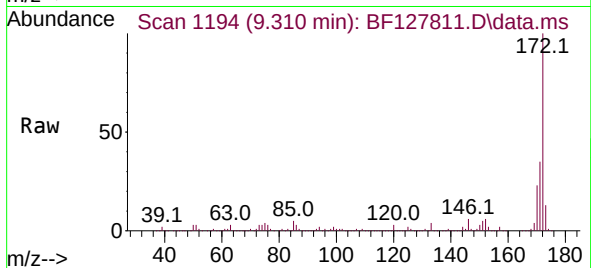
Tgt Ion:172 Resp: 1238372

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.4 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.987 ng

RT: 9.986 min Scan# 1309

Delta R.T. 0.200 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

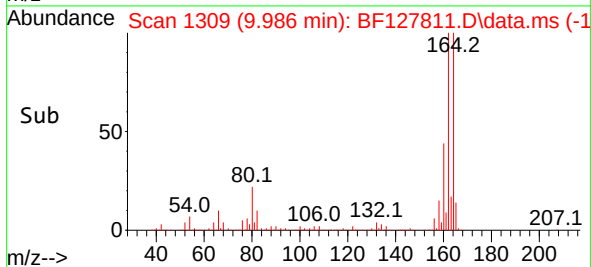
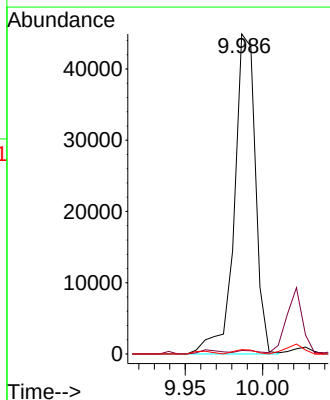
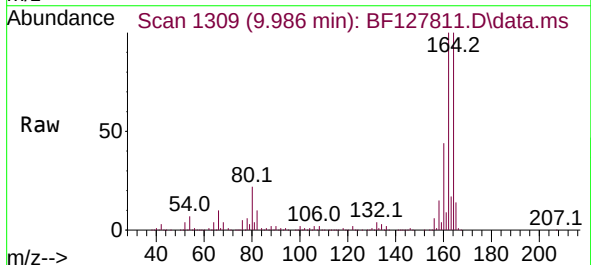
Tgt Ion:165 Resp: 42396

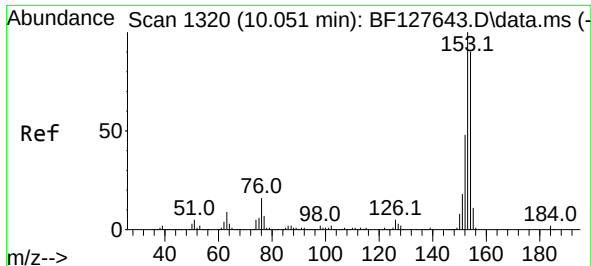
Ion Ratio Lower Upper

165 100

63 1.1 58.3 87.5#

89 1.3 51.5 77.3#

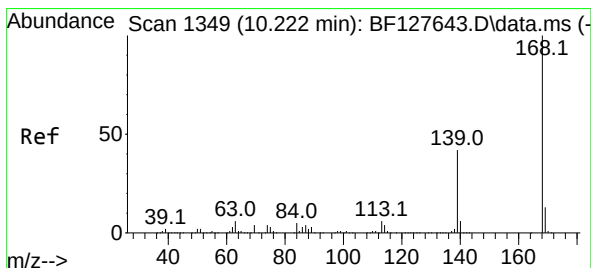
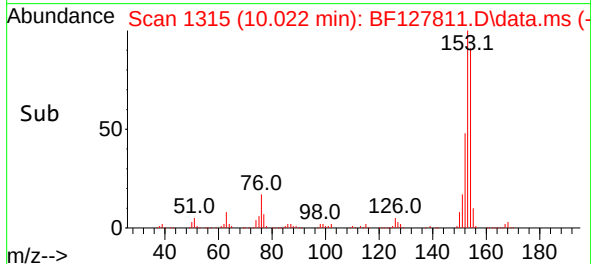
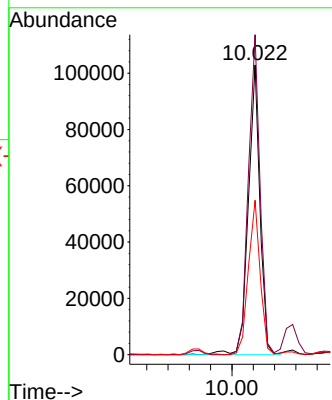
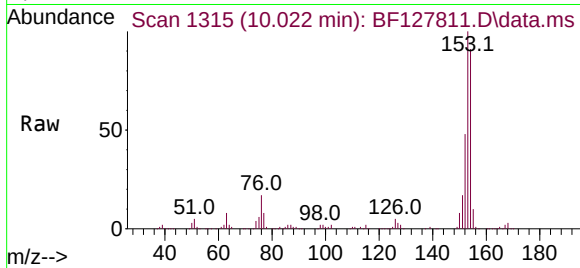




#52
Acenaphthene
Concen: 4.299 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

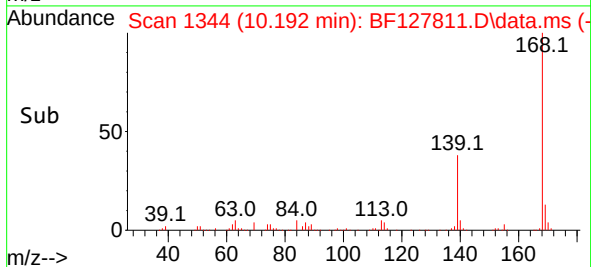
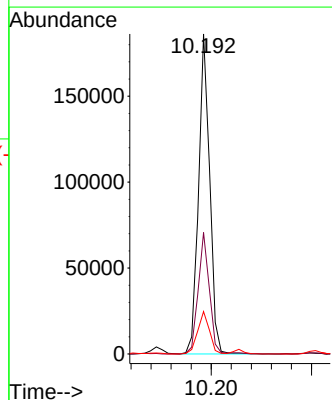
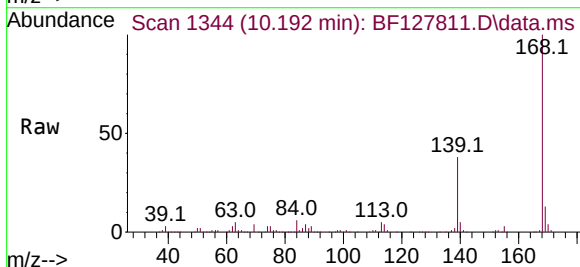
Instrument :
BNA_F
ClientSampleId :
VNJ-212

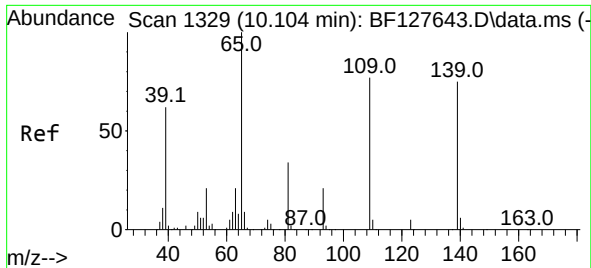
Tgt Ion:154 Resp: 77798
Ion Ratio Lower Upper
154 100
153 110.4 87.6 131.4
152 53.3 42.9 64.3



#55
Dibenzofuran
Concen: 5.429 ng
RT: 10.192 min Scan# 1344
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:168 Resp: 143360
Ion Ratio Lower Upper
168 100
139 38.0 30.3 45.5
169 13.2 10.8 16.2

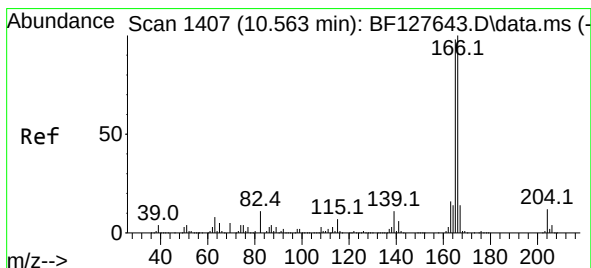
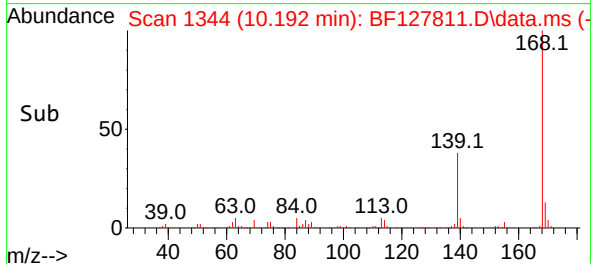
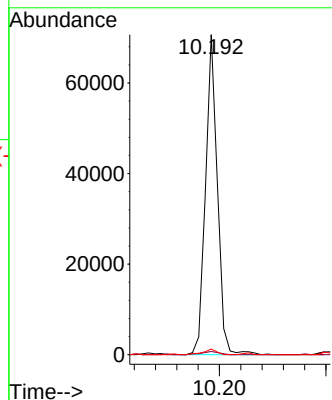
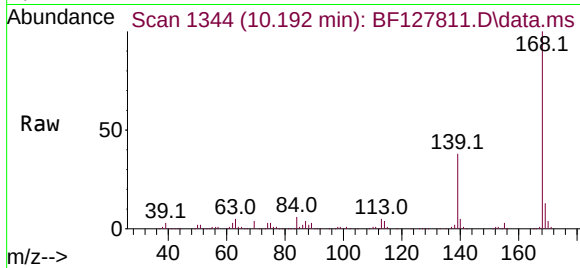




#56
4-Nitrophenol
Concen: 15.569 ng
RT: 10.192 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

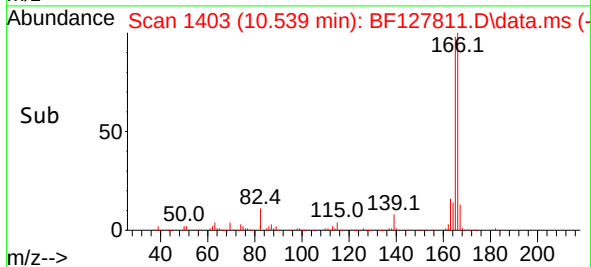
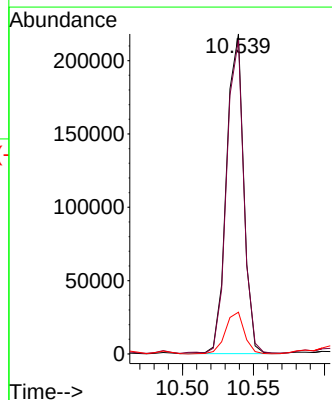
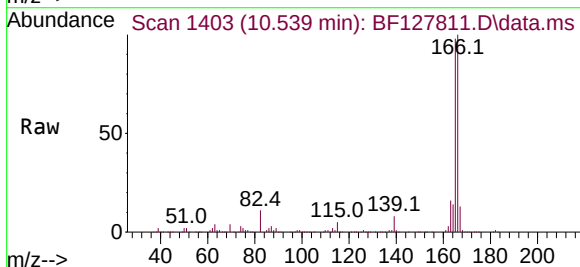
Instrument :
BNA_F
ClientSampleId :
VNJ-212

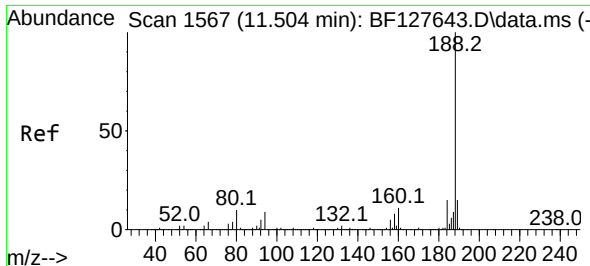
Tgt Ion:139 Resp: 54840
Ion Ratio Lower Upper
139 100
109 1.0 64.3 104.3#
65 1.8 117.5 157.5#



#58
Fluorene
Concen: 9.386 ng
RT: 10.539 min Scan# 1403
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:166 Resp: 183119
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.1 10.5 15.7

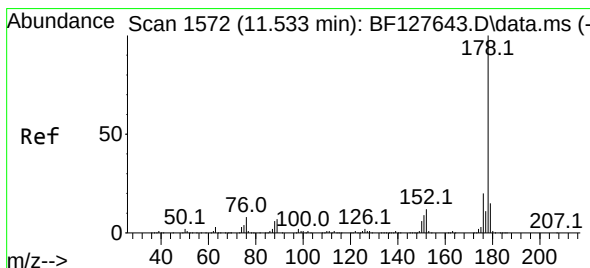
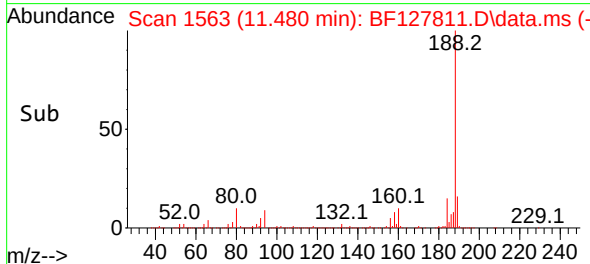
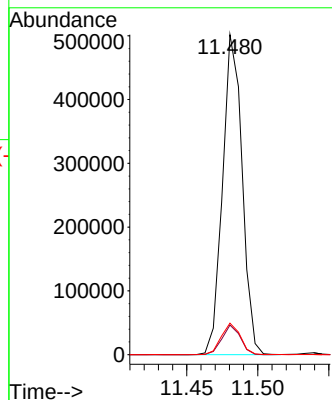
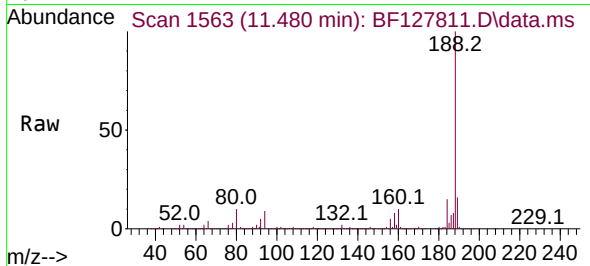




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

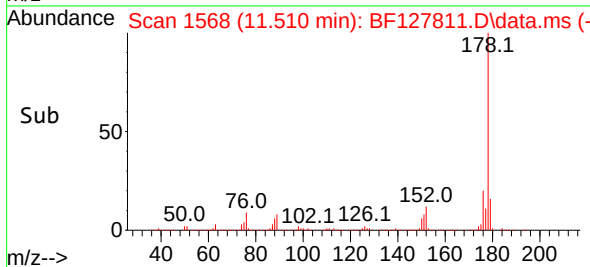
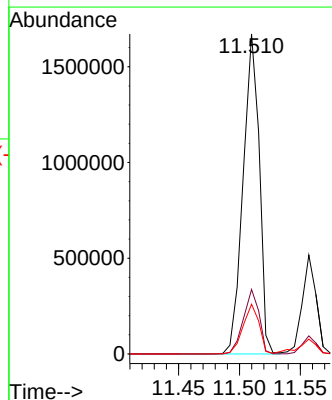
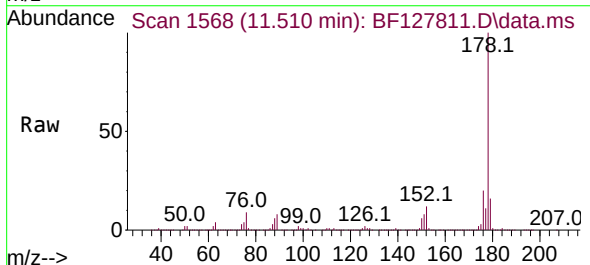
Instrument :
BNA_F
ClientSampleId :
VNJ-212

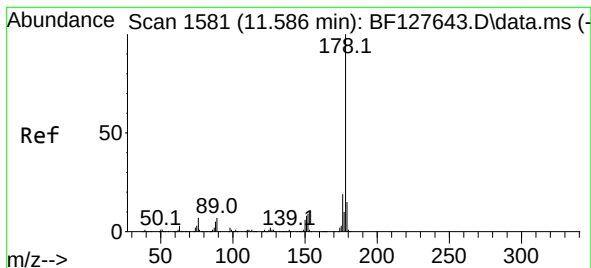
Tgt Ion:188 Resp: 479660
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.0
80 9.9 8.0 12.0



#71
Phenanthrene
Concen: 60.916 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:178 Resp: 1548110
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 15.6 12.4 18.6





#72

Anthracene

Concen: 16.053 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

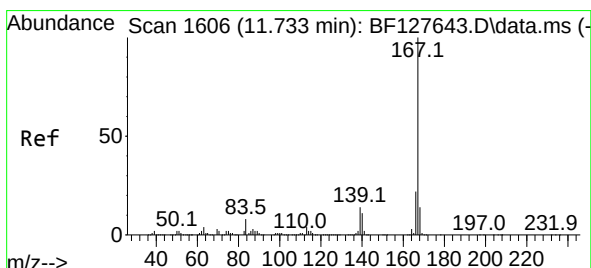
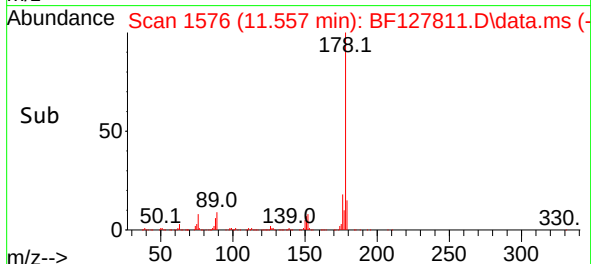
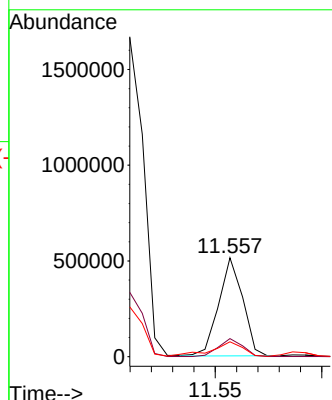
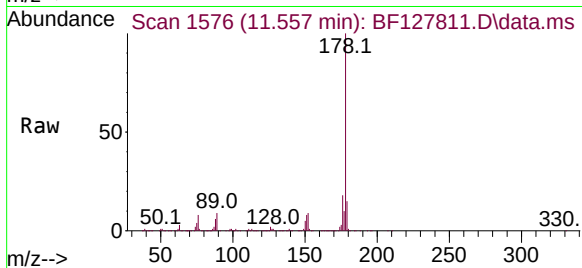
Tgt Ion:178 Resp: 403565

Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

179 15.1 12.4 18.6



#73

Carbazole

Concen: 3.120 ng

RT: 11.710 min Scan# 1602

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

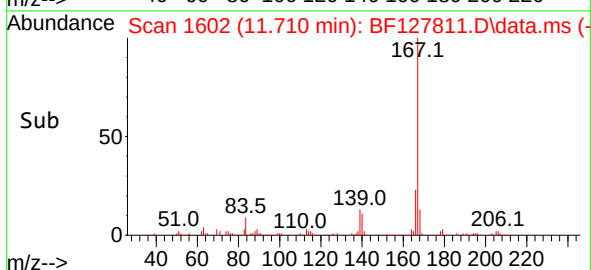
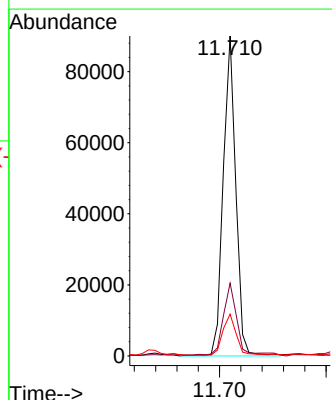
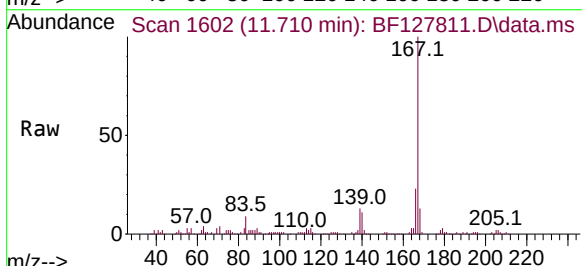
Tgt Ion:167 Resp: 73491

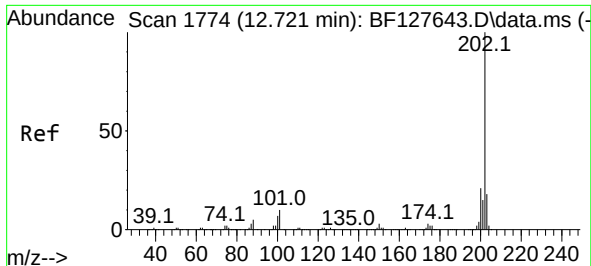
Ion Ratio Lower Upper

167 100

166 22.8 17.0 25.4

139 13.1 10.5 15.7

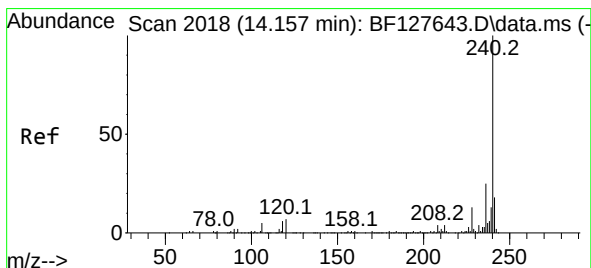
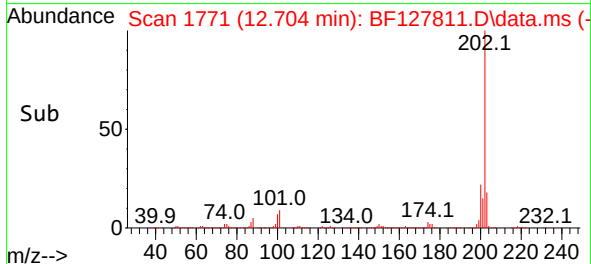
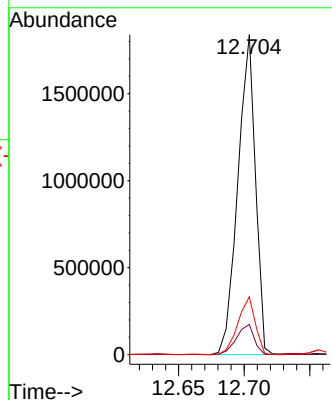
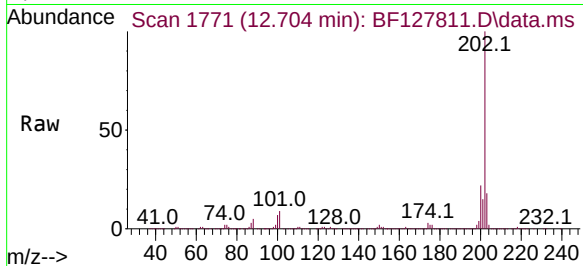




#75
Fluoranthene
Concen: 61.914 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

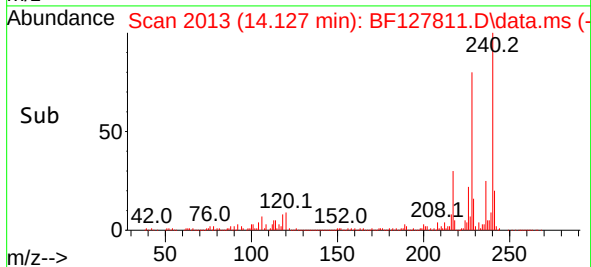
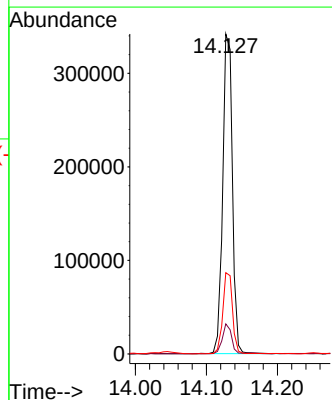
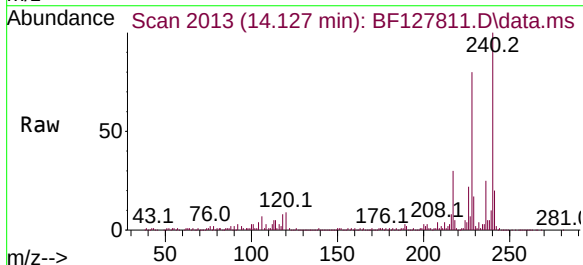
Instrument :
BNA_F
ClientSampleId :
VNJ-212

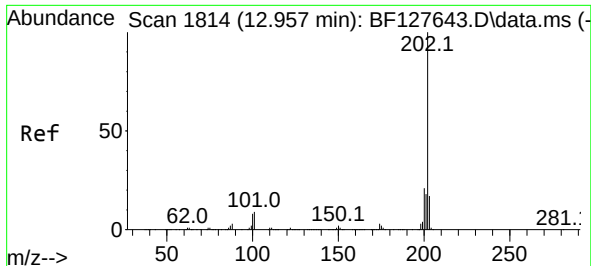
Tgt Ion:202 Resp: 1717038
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.0
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:240 Resp: 320363
Ion Ratio Lower Upper
240 100
120 9.4 7.1 10.7
236 25.4 20.7 31.1

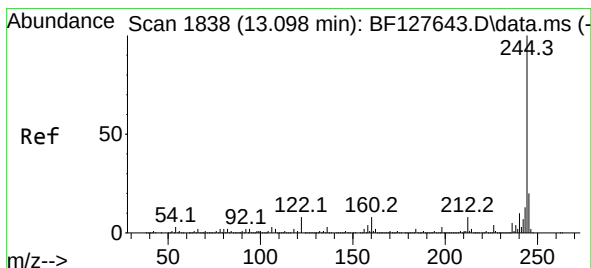
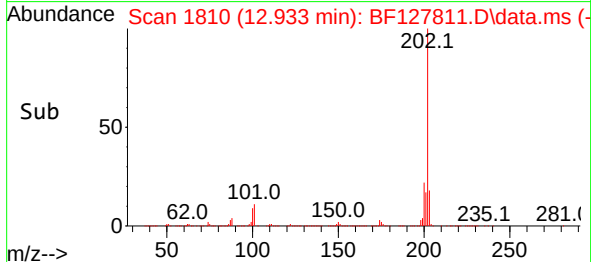
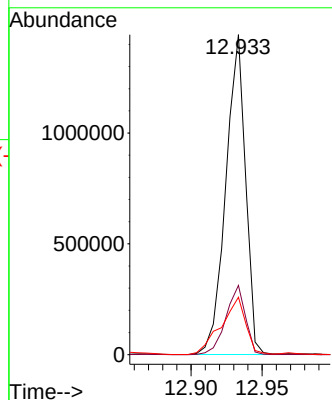
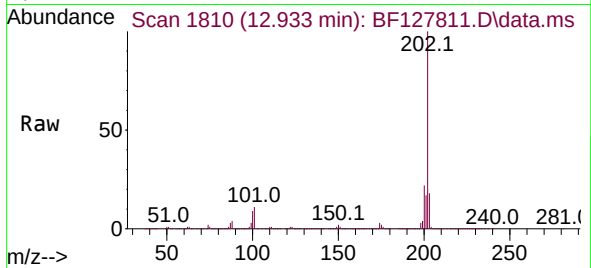




#78
Pyrene
Concen: 51.429 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

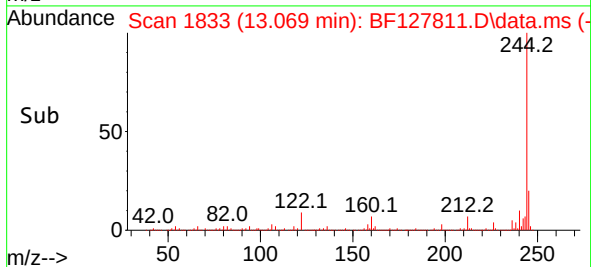
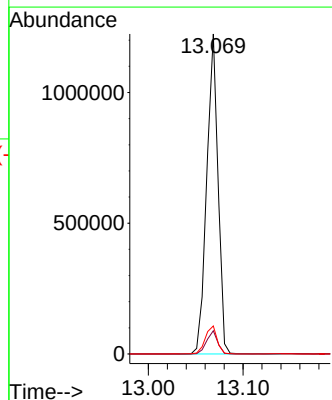
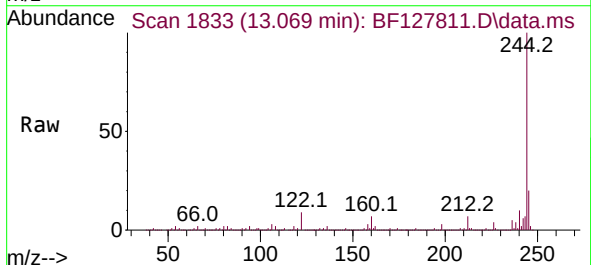
Instrument :
BNA_F
ClientSampleId :
VNJ-212

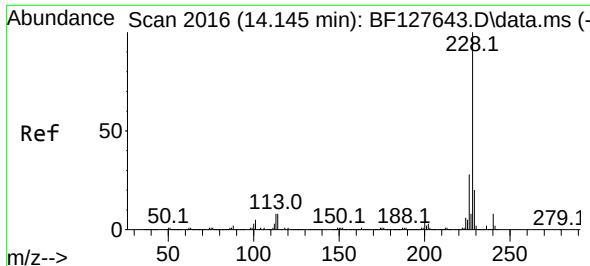
Tgt Ion:202 Resp: 1391277
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.0 14.3 21.5



#79
Terphenyl-d14
Concen: 52.009 ng
RT: 13.069 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:244 Resp: 1009429
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 8.8 6.2 9.2

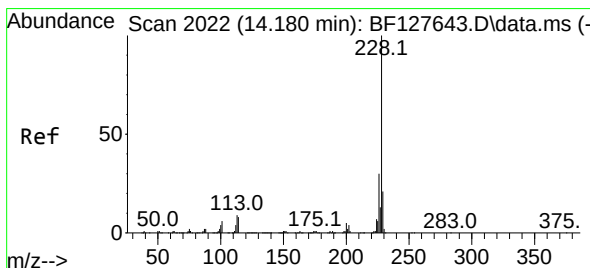
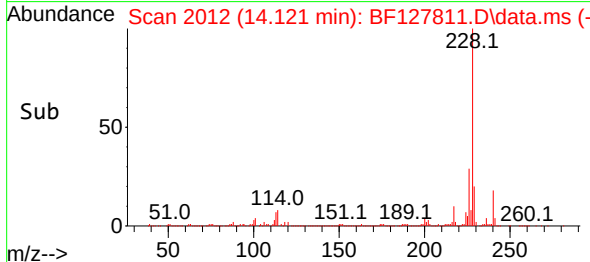
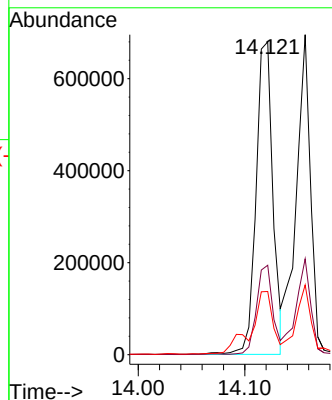
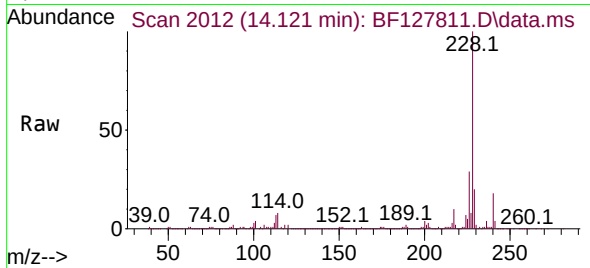




#81
Benzo(a)anthracene
Concen: 34.739 ng
RT: 14.121 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

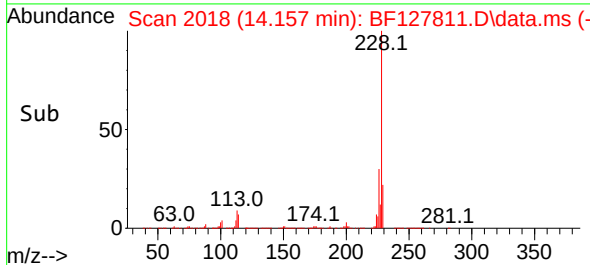
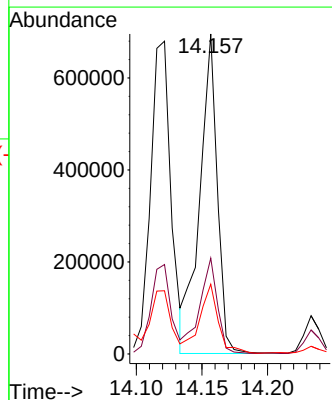
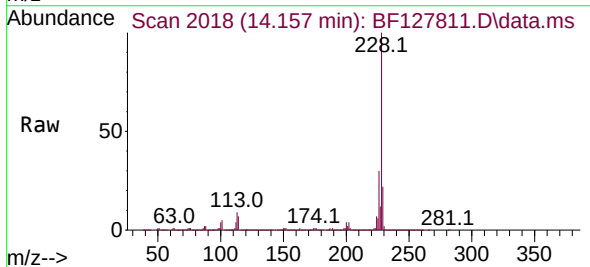
Instrument :
BNA_F
ClientSampleId :
VNJ-212

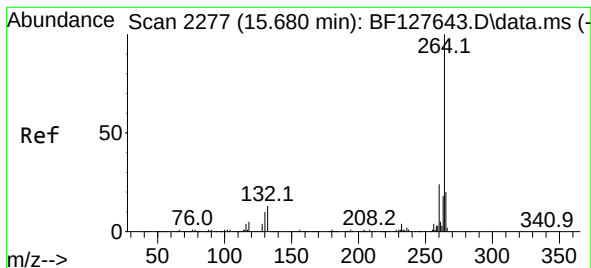
Tgt Ion:228 Resp: 743298
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 20.2 15.4 23.2



#83
Chrysene
Concen: 31.760 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:228 Resp: 652310
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 21.8 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

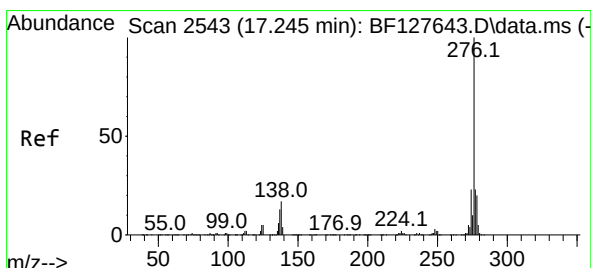
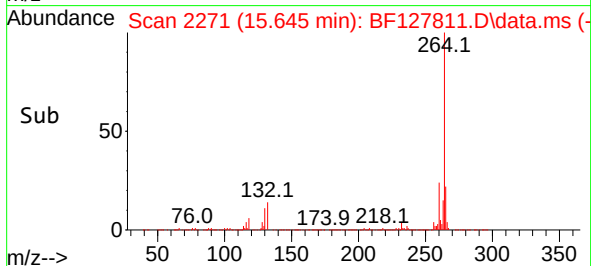
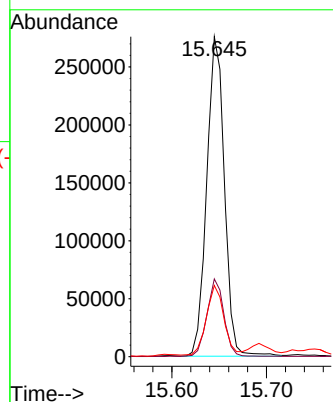
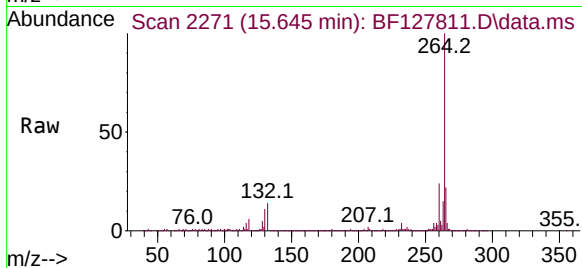
Tgt Ion:264 Resp: 356717

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 22.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.566 ng

RT: 17.192 min Scan# 2534

Delta R.T. -0.035 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

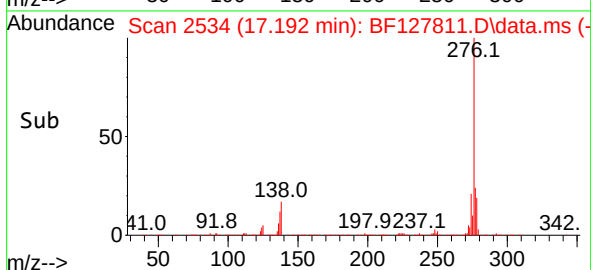
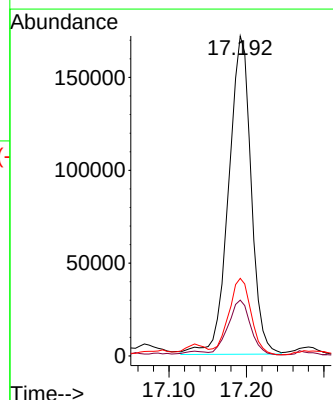
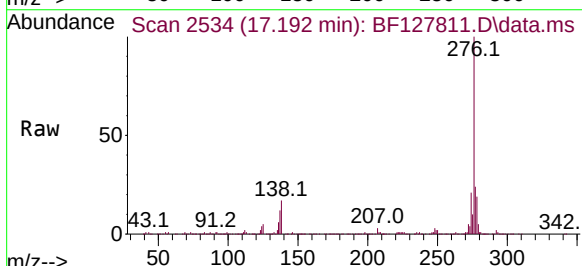
Tgt Ion:276 Resp: 346928

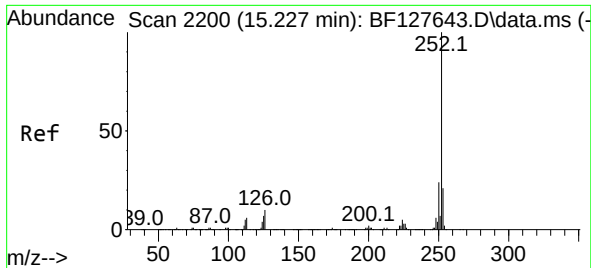
Ion Ratio Lower Upper

276 100

138 17.1 17.1 25.7#

277 24.0 19.9 29.9

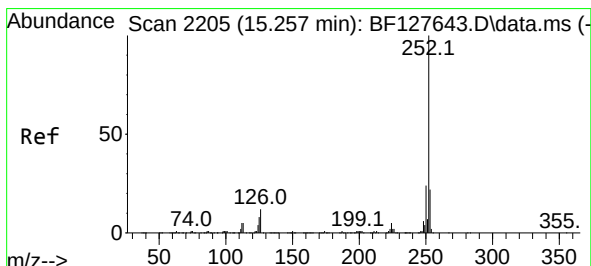
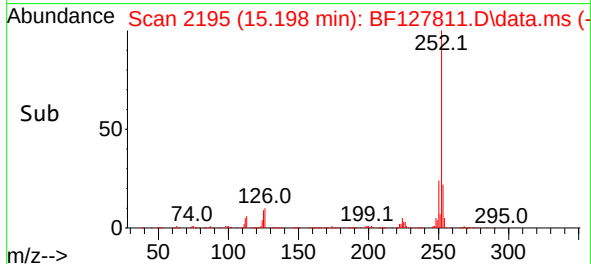
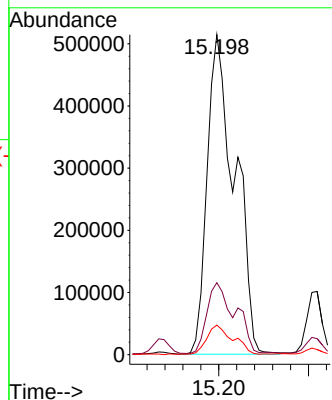
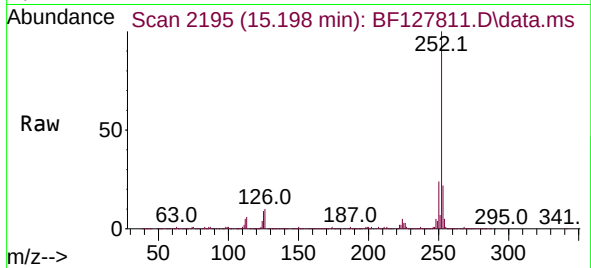




#88
Benzo(b)fluoranthene
Concen: 48.064 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

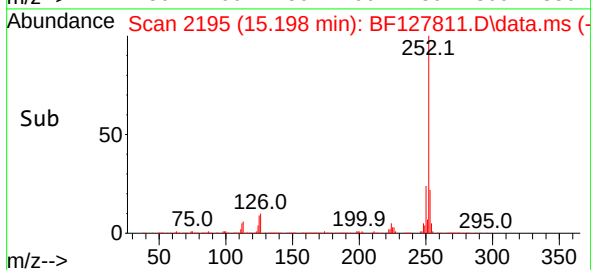
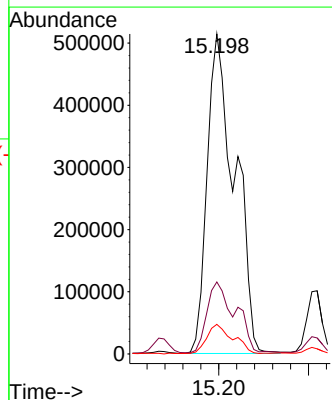
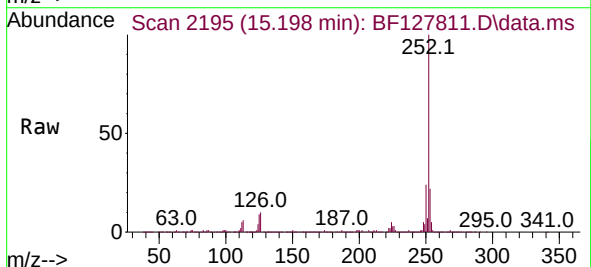
Instrument :
BNA_F
ClientSampleId :
VNJ-212

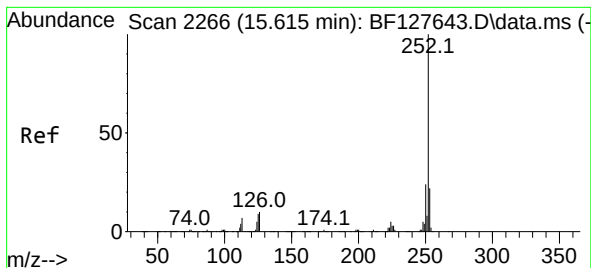
Tgt Ion:252 Resp: 1102958
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 9.2 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 48.461 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127811.D
Acq: 15 Apr 2022 18:54

Tgt Ion:252 Resp: 1102958
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 9.2 6.9 10.3





#90

Benzo(a)pyrene

Concen: 32.334 ng

RT: 15.580 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

Instrument :

BNA_F

ClientSampleId :

VNJ-212

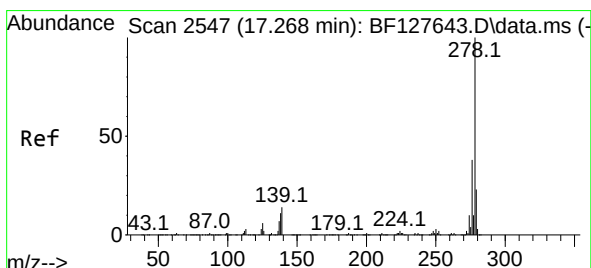
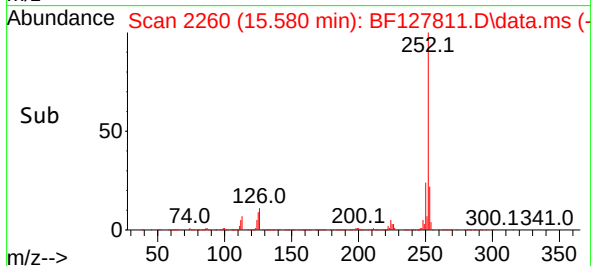
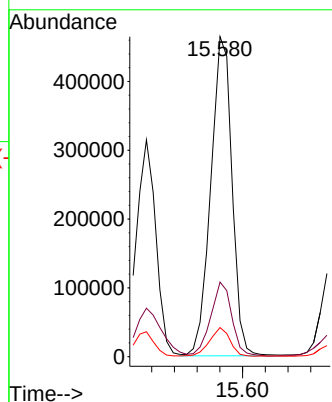
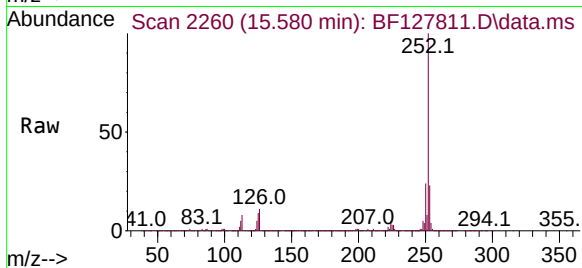
Tgt Ion:252 Resp: 603076

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 9.1 6.7 10.1



#91

Dibenzo(a,h)anthracene

Concen: 3.739 ng

RT: 17.380 min Scan# 2566

Delta R.T. 0.135 min

Lab File: BF127811.D

Acq: 15 Apr 2022 18:54

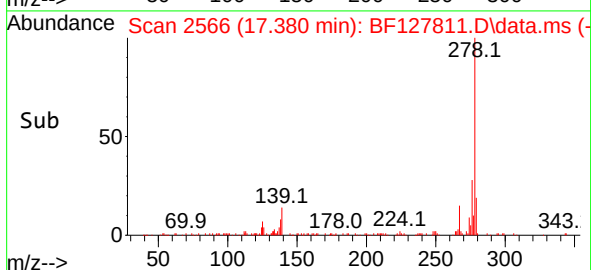
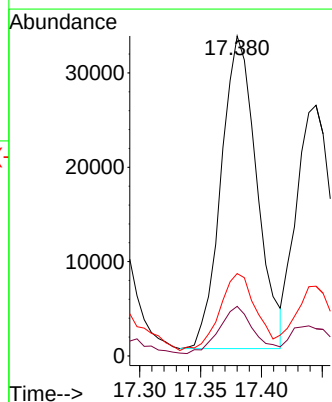
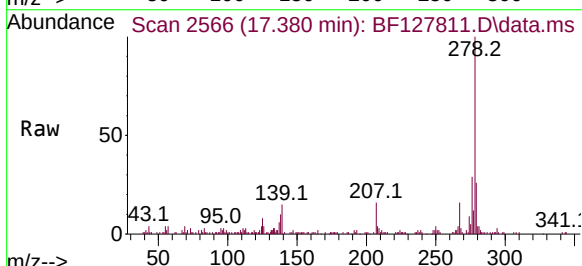
Tgt Ion:278 Resp: 67517

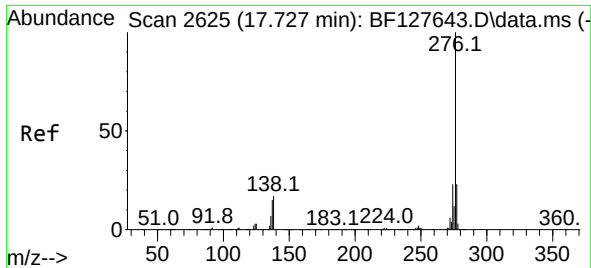
Ion Ratio Lower Upper

278 100

139 15.5 10.8 16.2

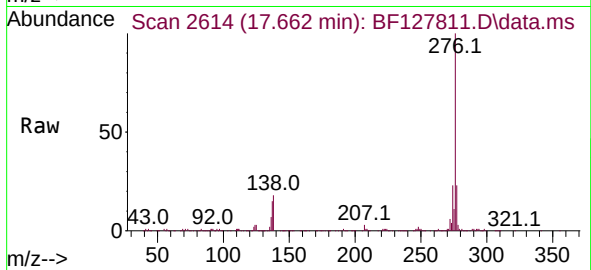
279 25.8 17.7 26.5





#92
 Benzo(g,h,i)perylene
 Concen: 16.053 ng
 RT: 17.662 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF127811.D
 Acq: 15 Apr 2022 18:54

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212



Tgt Ion:276 Resp: 297183
 Ion Ratio Lower Upper
 276 100
 277 22.8 19.0 28.4
 138 17.7 14.6 22.0

