

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136134.D
 Acq On : 03 Nov 2023 20:11
 Operator : CG\JU
 Sample : 05214-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Quant Time: Nov 04 00:12:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

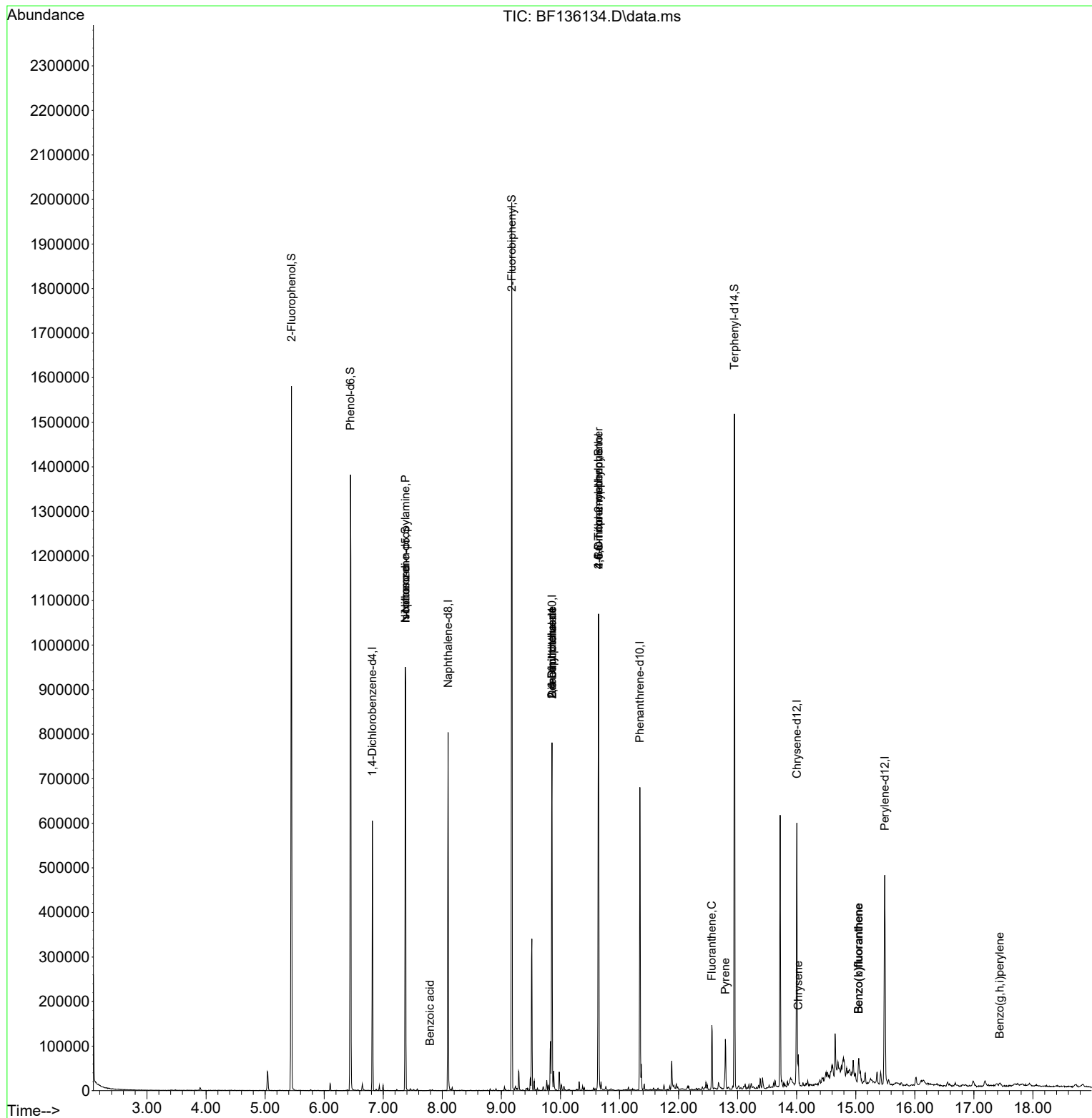
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	82176	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	304330	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	146161	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	231547	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	180282	20.000	ng	-0.01
86) Perylene-d12	15.492	264	216541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	396112	75.746	ng	0.00
7) Phenol-d6	6.445	99	482323	74.026	ng	-0.01
23) Nitrobenzene-d5	7.375	82	297211	58.872	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	116189	74.476	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	533944	58.234	ng	-0.01
79) Terphenyl-d14	12.945	244	489087	42.159	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	38905	10.450	ng	# 80
25) Isophorone	7.375	82	297208	31.184	ng	# 64
32) Benzoic acid	7.792	122	385	5.212	ng	# 81
50) Dimethylphthalate	9.857	163	29804	3.091	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	19080	9.253	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	19080	7.313	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	180	5.915	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	7429	3.060	ng	# 1
75) Fluoranthene	12.563	202	59534	4.971	ng	97
78) Pyrene	12.792	202	45307	2.850	ng	96
83) Chrysene	14.027	228	25751	2.191	ng	99
88) Benzo(b)fluoranthene	15.051	252	36596	2.856	ng	99
89) Benzo(k)fluoranthene	15.051	252	36596	2.887	ng	99
92) Benzo(g,h,i)perylene	17.439	276	6549	3.361	ng	96

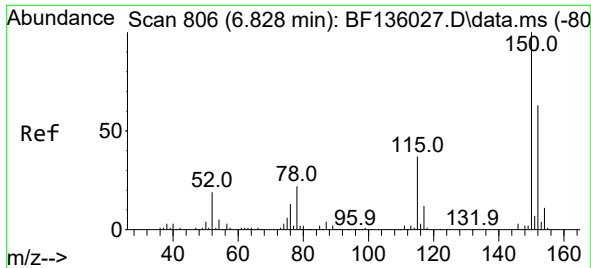
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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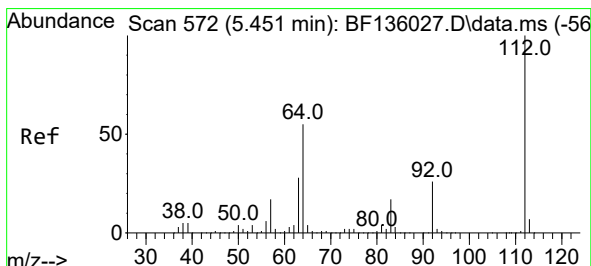
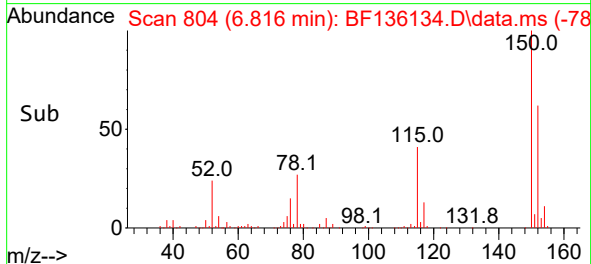
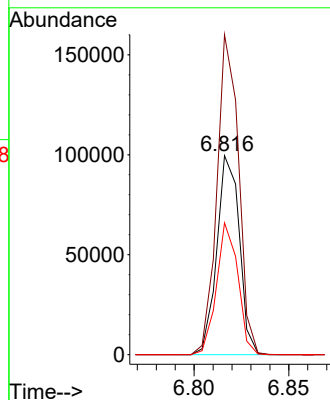
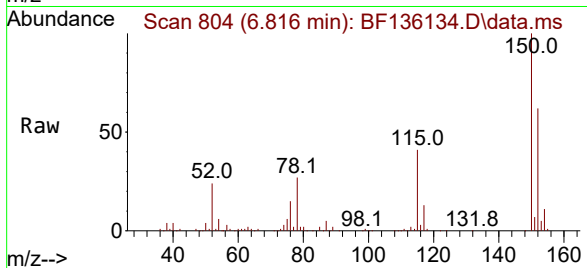




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

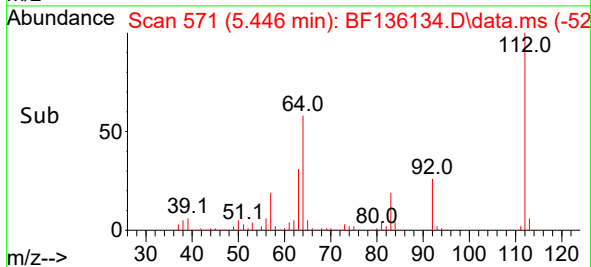
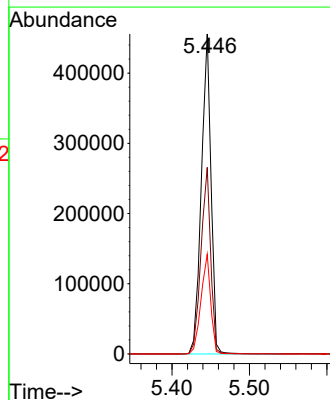
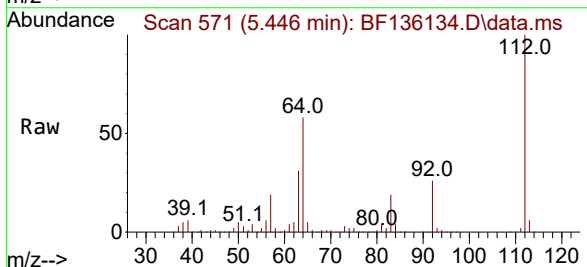
Instrument :
BNA_F
ClientSampleId :
VNJ-221

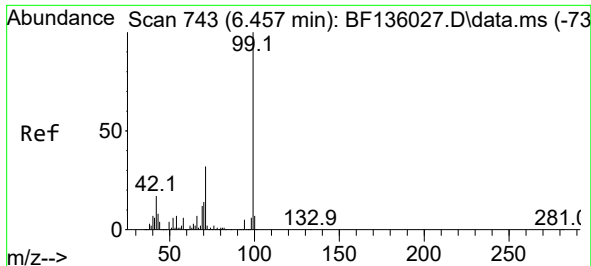
Tgt Ion:152 Resp: 82176
Ion Ratio Lower Upper
152 100
150 160.8 126.4 189.6
115 66.3 47.0 70.4



#5
2-Fluorophenol
Concen: 75.746 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:112 Resp: 396112
Ion Ratio Lower Upper
112 100
64 58.3 43.9 65.9
63 31.2 22.4 33.6

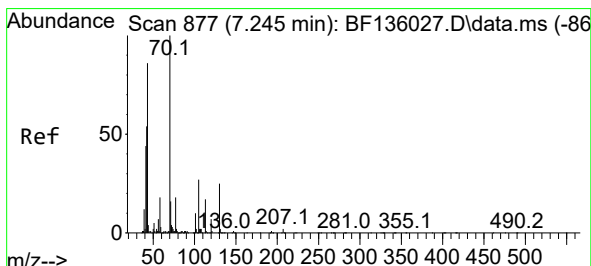
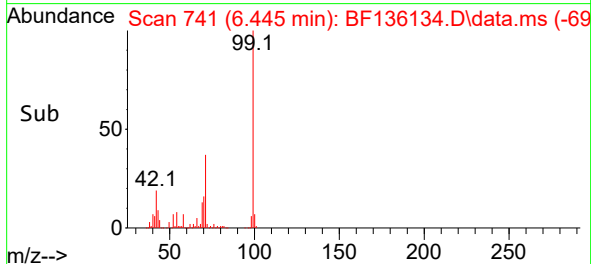
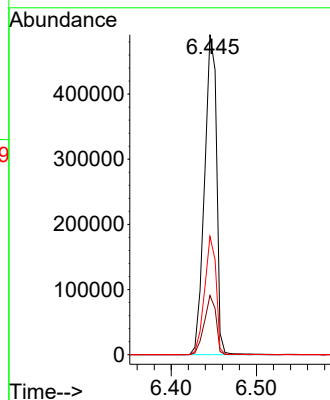
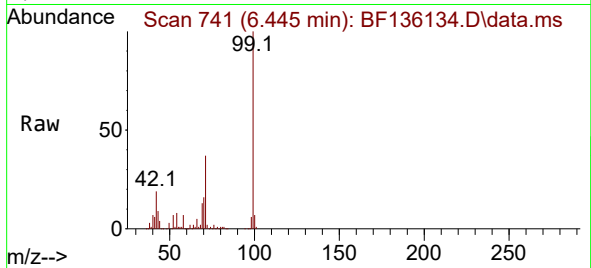




#7
Phenol-d6
Concen: 74.026 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

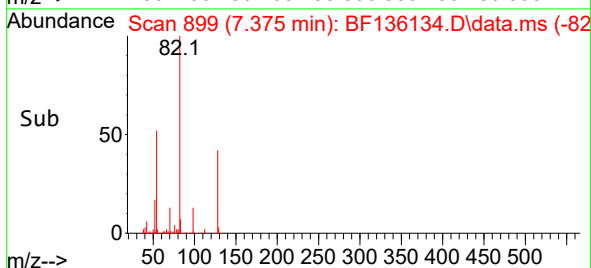
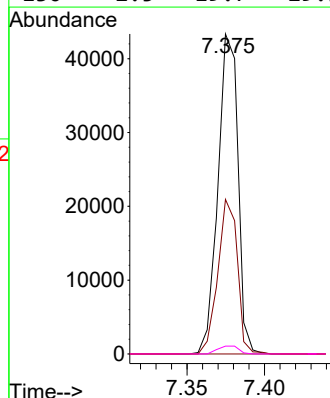
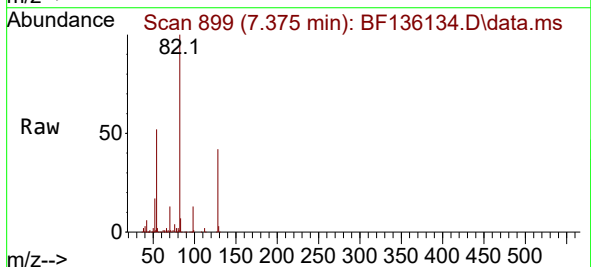
Instrument :
BNA_F
ClientSampleId :
VNJ-221

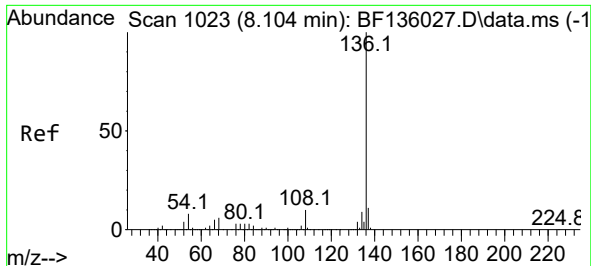
Tgt Ion: 99 Resp: 482323
Ion Ratio Lower Upper
99 100
42 18.5 13.7 20.5
71 37.0 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.450 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.130 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion: 70 Resp: 38905
Ion Ratio Lower Upper
70 100
42 48.3 43.0 64.4
101 0.0 8.0 12.0#
130 2.5 19.7 29.5#

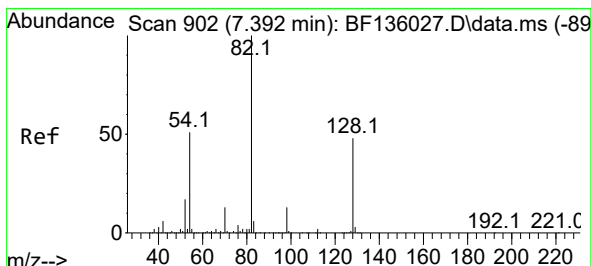
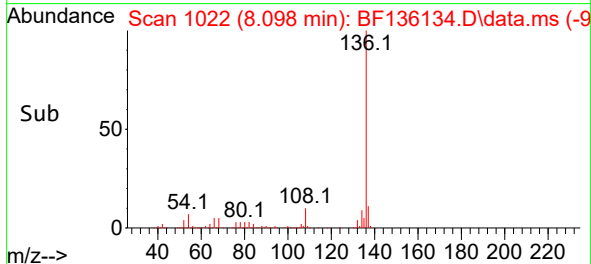
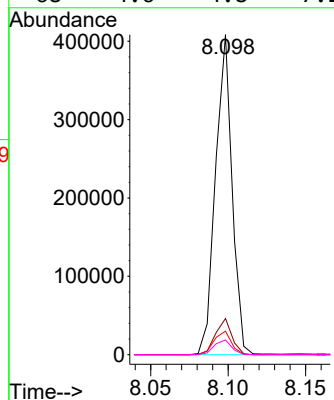
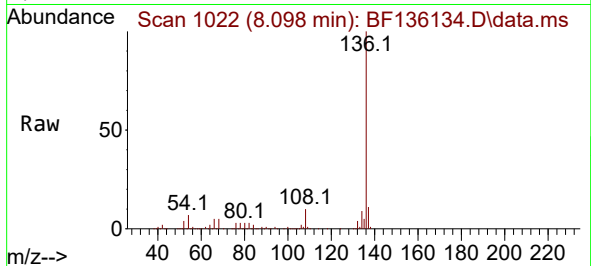




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

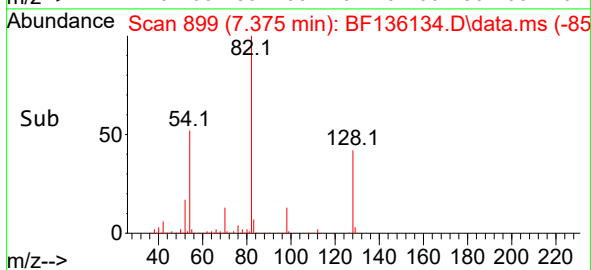
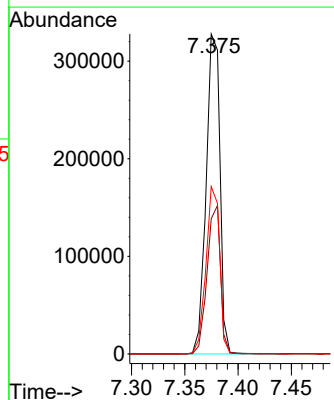
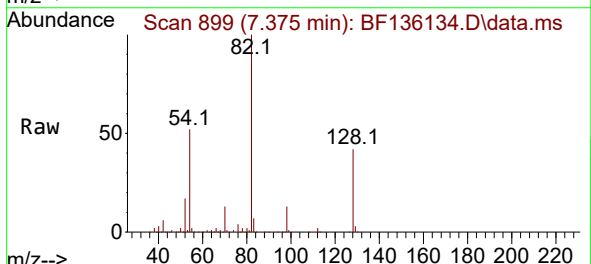
Instrument :
BNA_F
ClientSampleId :
VNJ-221

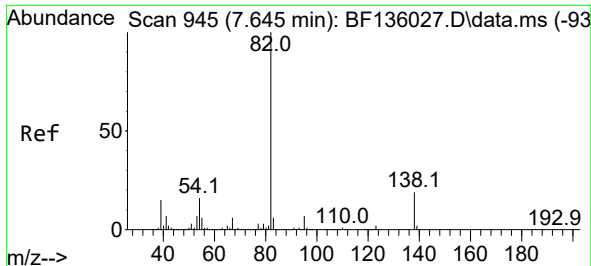
Tgt Ion:136 Resp: 304330
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 7.3 6.6 9.8
68 4.6 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 58.872 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.017 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion: 82 Resp: 297211
Ion Ratio Lower Upper
82 100
128 42.2 38.6 57.8
54 52.3 40.8 61.2

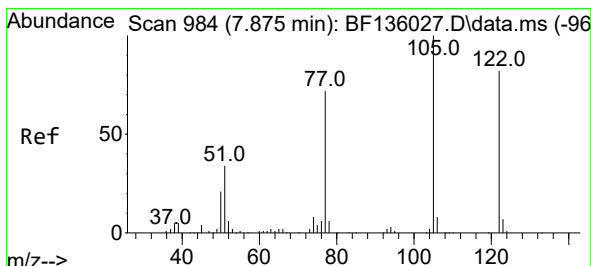
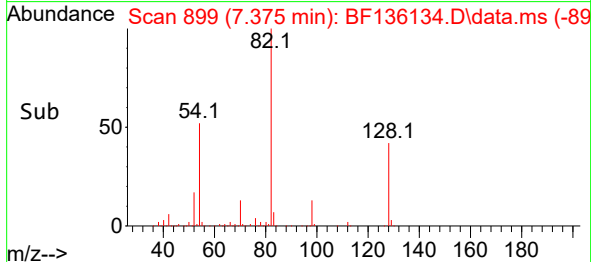
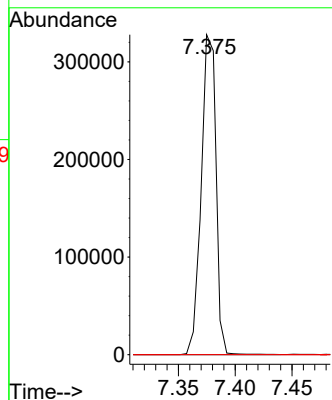
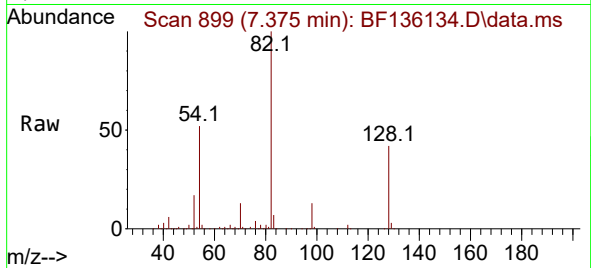




#25
Isophorone
Concen: 31.184 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

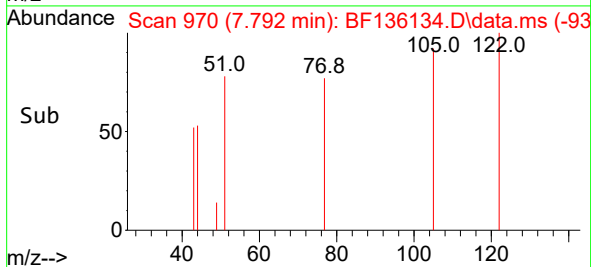
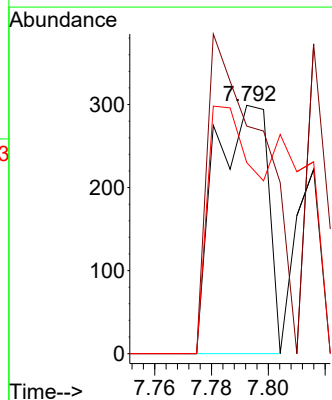
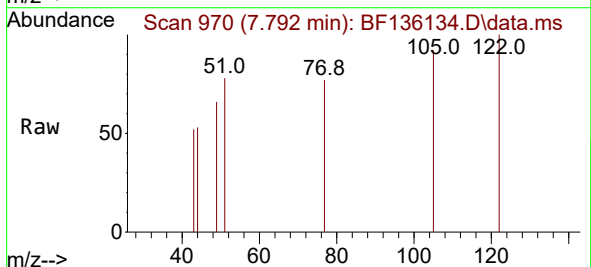
Instrument :
BNA_F
ClientSampleId :
VNJ-221

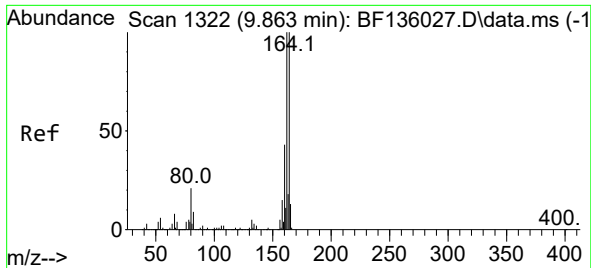
Tgt Ion: 82 Resp: 297208
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.212 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.083 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion: 122 Resp: 385
Ion Ratio Lower Upper
122 100
105 91.6 99.5 139.5#
77 76.9 66.8 106.8

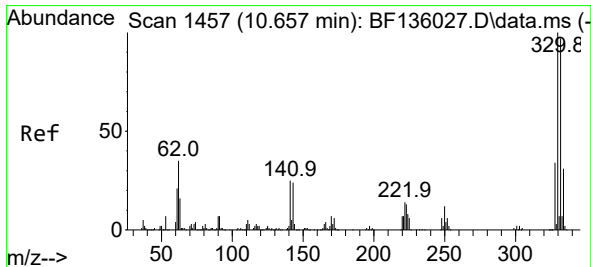
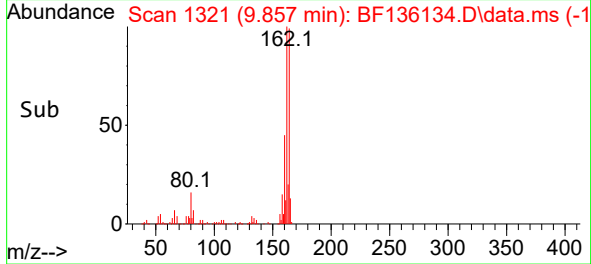
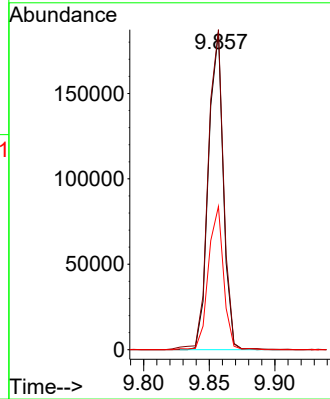
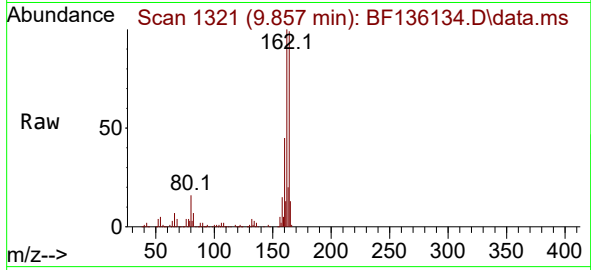




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

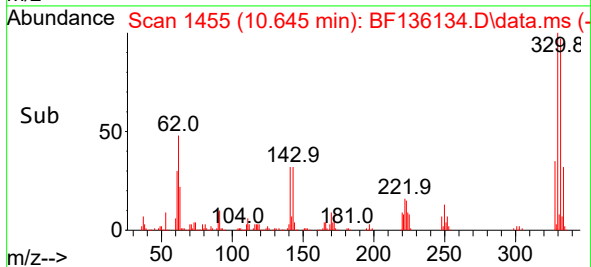
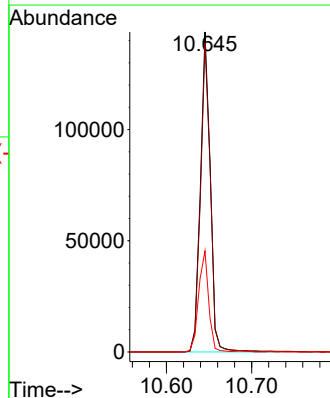
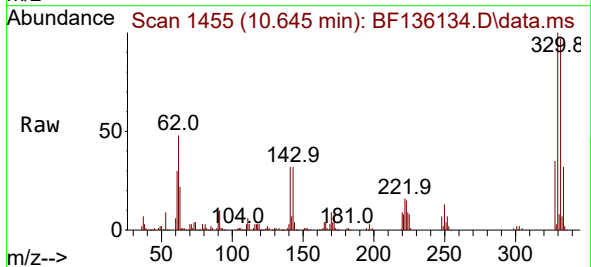
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BNA_F
ClientSampleId :
VNJ-221

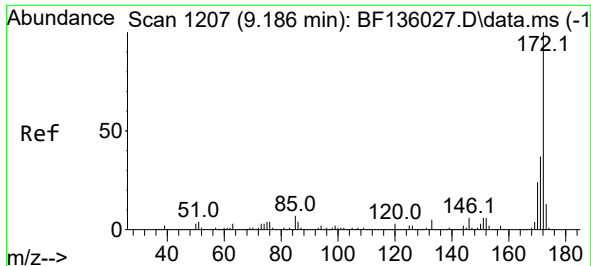
Tgt Ion:164 Resp: 146161
Ion Ratio Lower Upper
164 100
162 100.8 80.1 120.1
160 45.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 74.476 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:330 Resp: 116189
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 32.0 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 58.234 ng

RT: 9.175 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

Instrument :

BNA_F

ClientSampleId :

VNJ-221

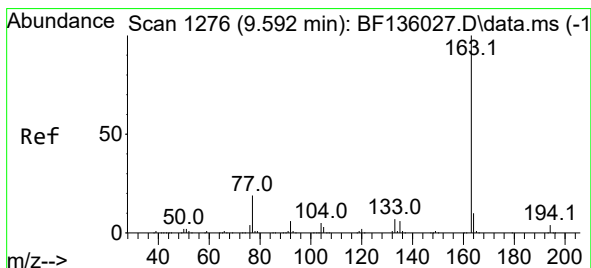
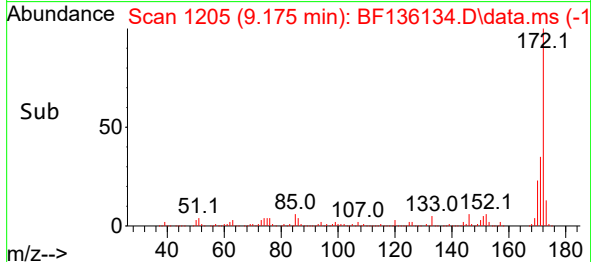
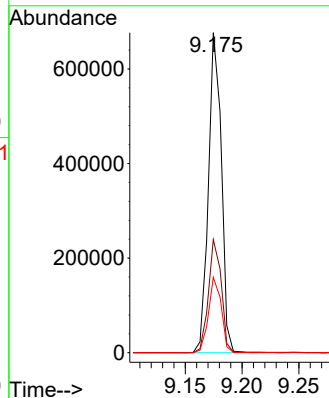
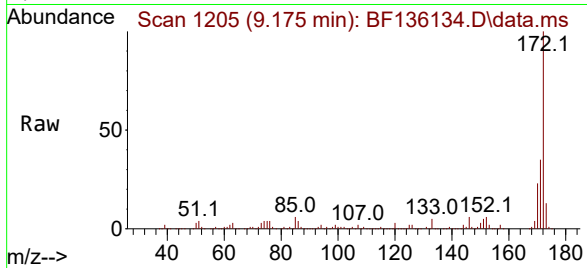
Tgt Ion:172 Resp: 533944

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 23.5 19.3 28.9



#50

Dimethylphthalate

Concen: 3.091 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

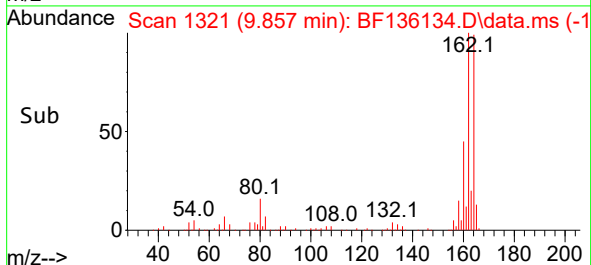
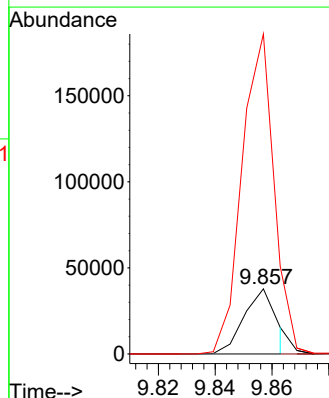
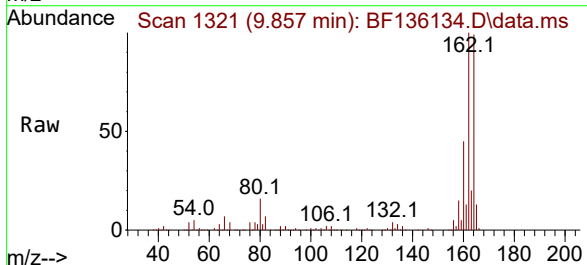
Tgt Ion:163 Resp: 29804

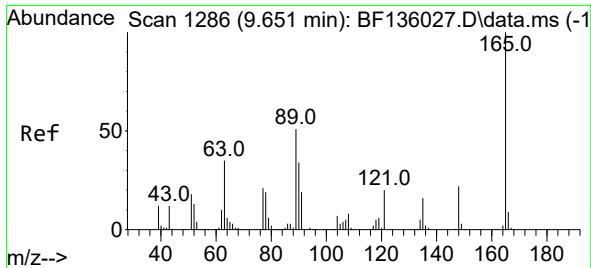
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 490.9 8.1 12.1#

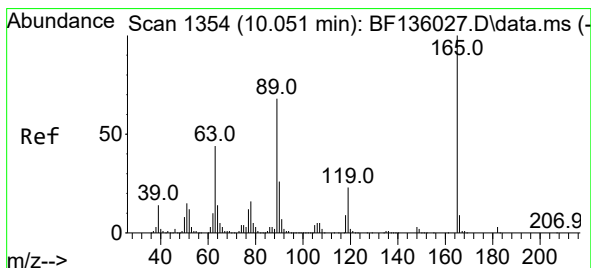
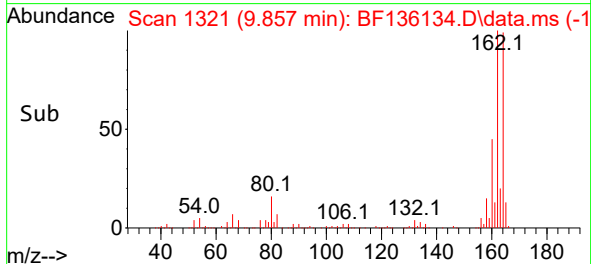
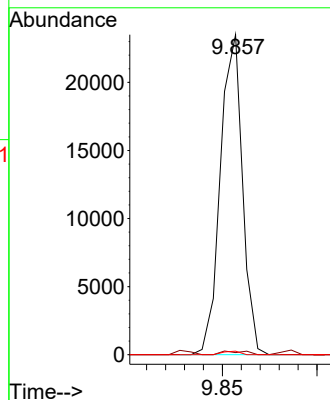
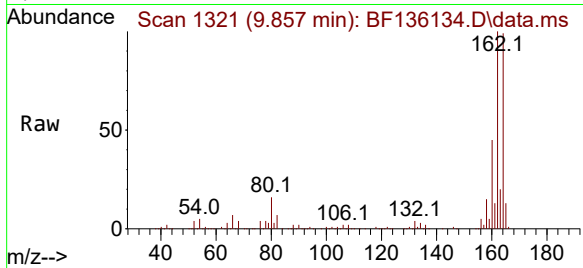




#51
2,6-Dinitrotoluene
Concen: 9.253 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.206 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

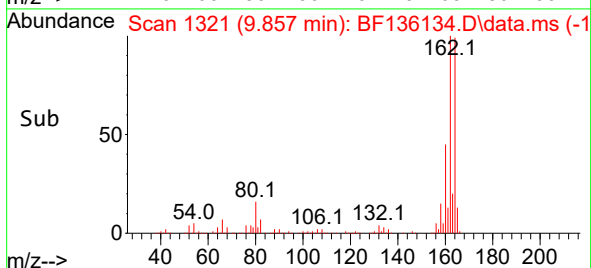
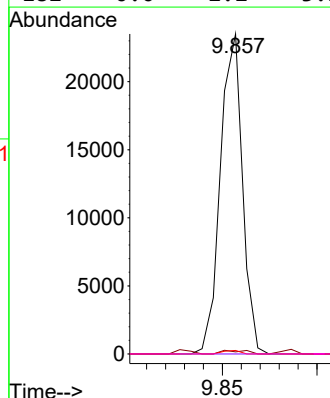
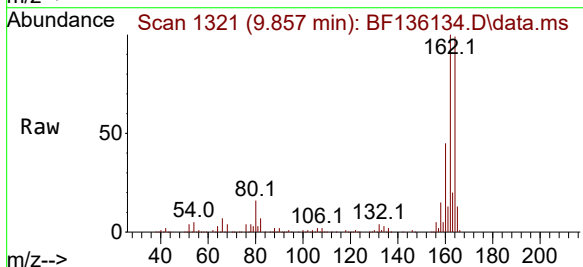
Instrument :
BNA_F
ClientSampleId :
VNJ-221

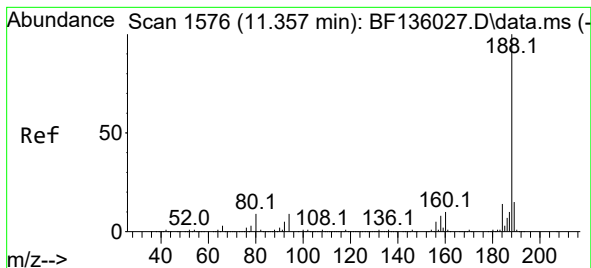
Tgt Ion:165 Resp: 19080
Ion Ratio Lower Upper
165 100
63 0.7 40.8 61.2#
89 1.1 41.1 61.7#



#57
2,4-Dinitrotoluene
Concen: 7.313 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:165 Resp: 19080
Ion Ratio Lower Upper
165 100
63 0.7 35.2 52.8#
89 1.1 54.8 82.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

Instrument :

BNA_F

ClientSampleId :

VNJ-221

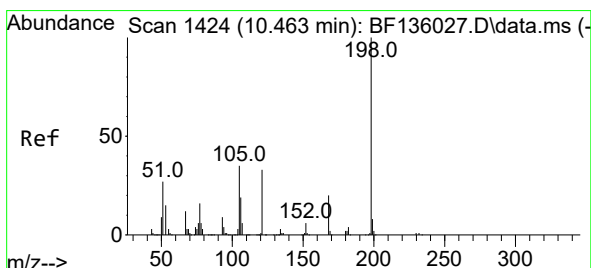
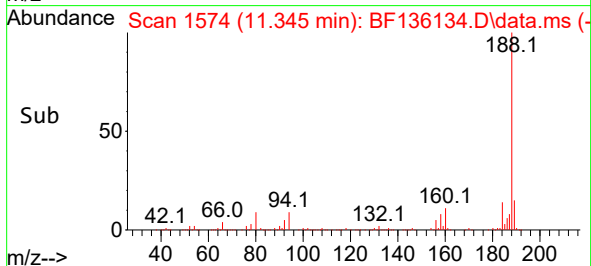
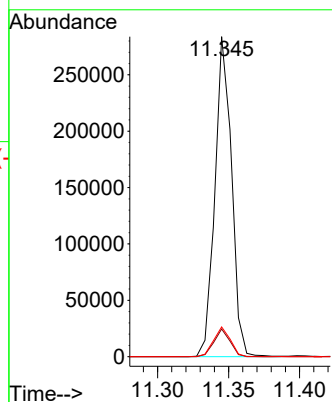
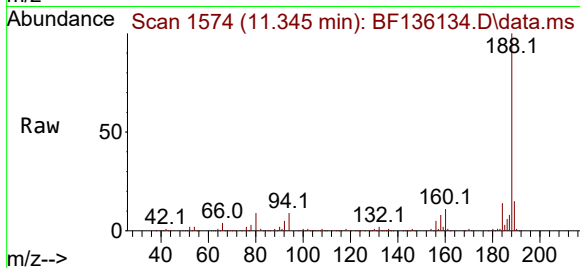
Tgt Ion:188 Resp: 231547

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 9.3 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.915 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

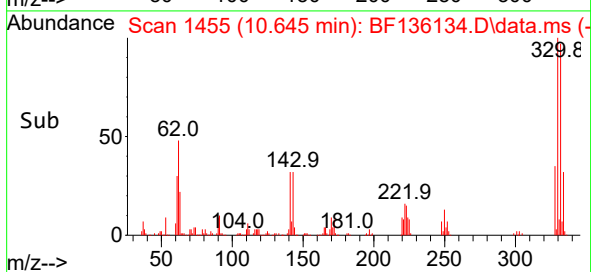
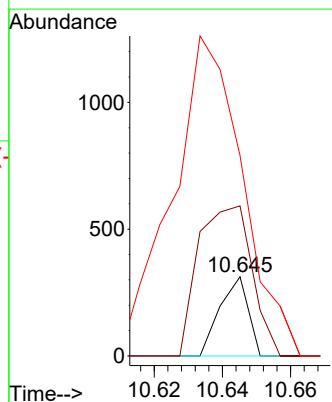
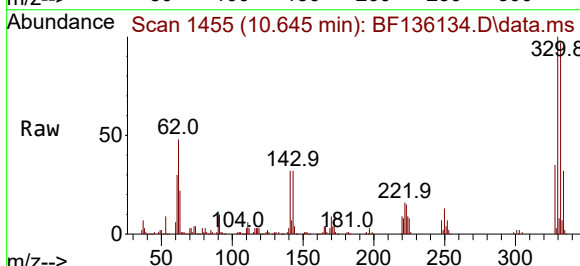
Tgt Ion:198 Resp: 180

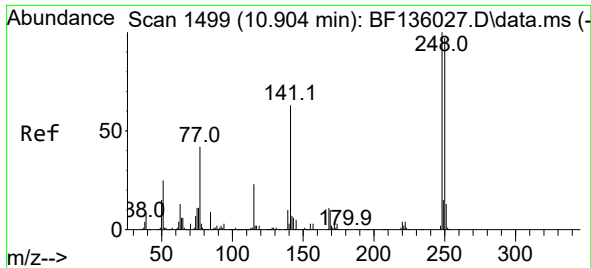
Ion Ratio Lower Upper

198 100

51 189.7 12.9 52.9#

105 253.2 16.0 56.0#

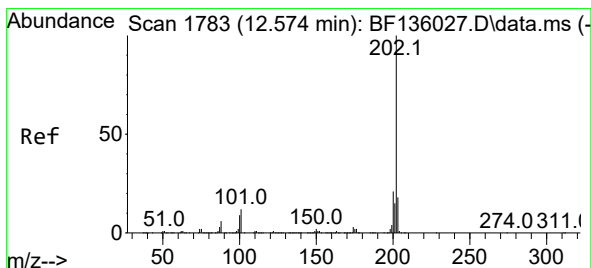
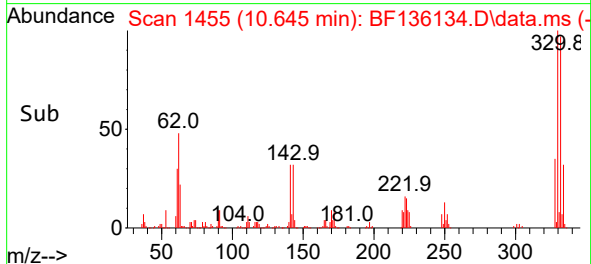
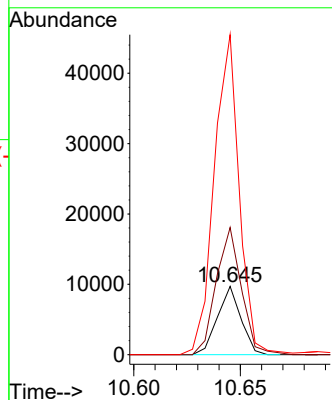
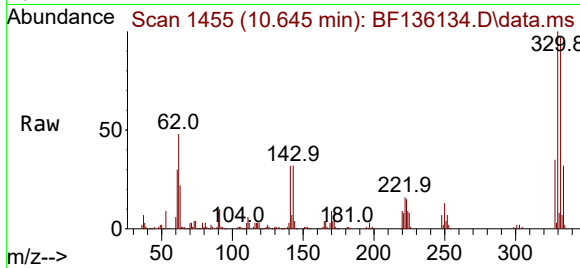




#67
4-Bromophenyl-phenylether
Concen: 3.060 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.259 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

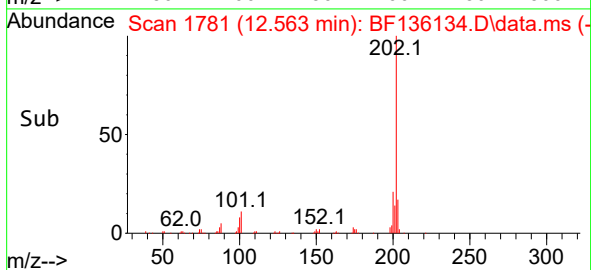
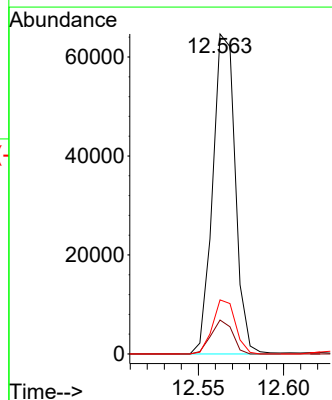
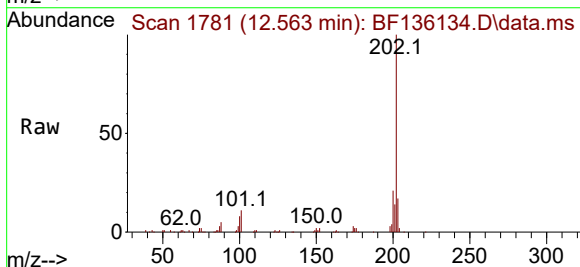
Instrument :
BNA_F
ClientSampleId :
VNJ-221

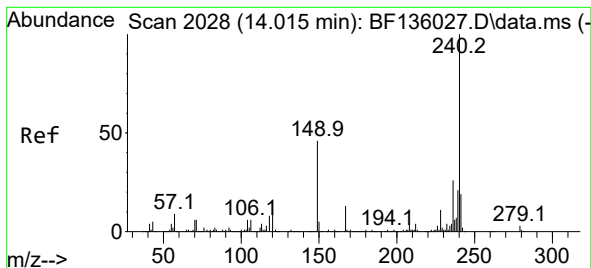
Tgt Ion:248 Resp: 7429
Ion Ratio Lower Upper
248 100
250 186.4 77.6 116.4#
141 468.8 50.4 75.6#



#75
Fluoranthene
Concen: 4.971 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:202 Resp: 59534
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.8
203 16.9 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

Instrument :

BNA_F

ClientSampleId :

VNJ-221

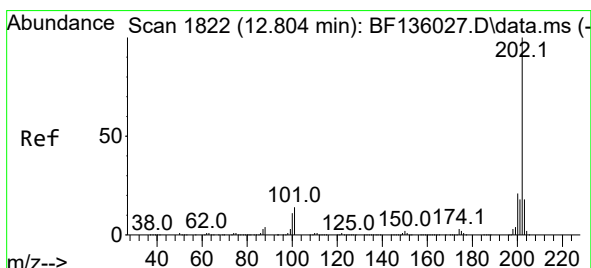
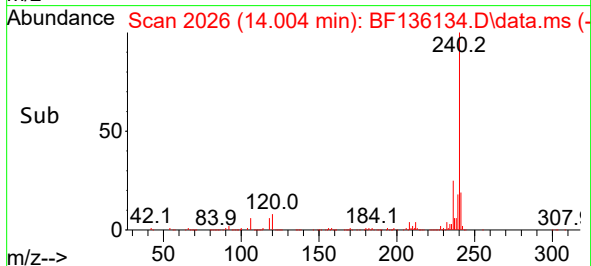
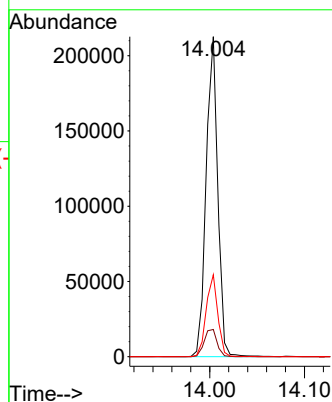
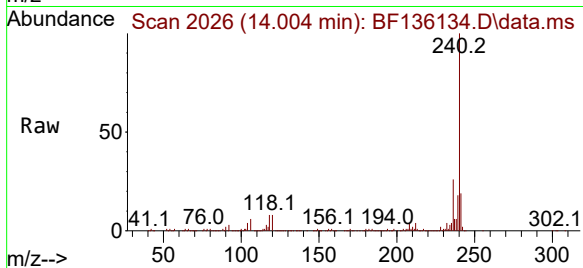
Tgt Ion:240 Resp: 180282

Ion Ratio Lower Upper

240 100

120 8.5 7.6 11.4

236 25.6 20.6 31.0



#78

Pyrene

Concen: 2.850 ng

RT: 12.792 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

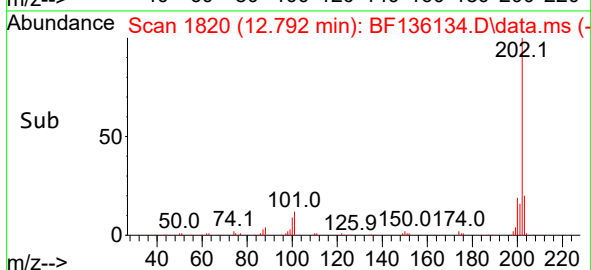
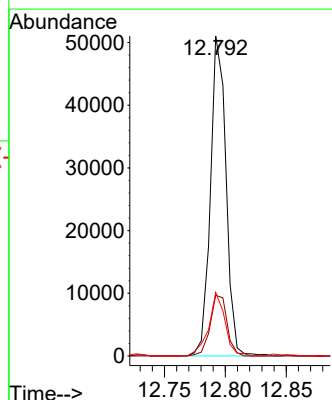
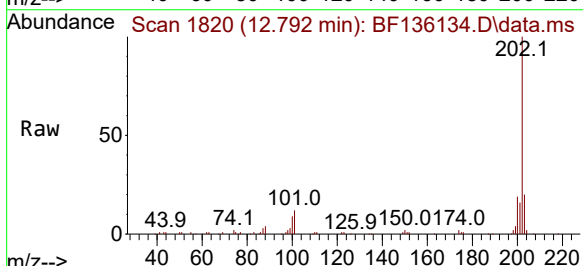
Tgt Ion:202 Resp: 45307

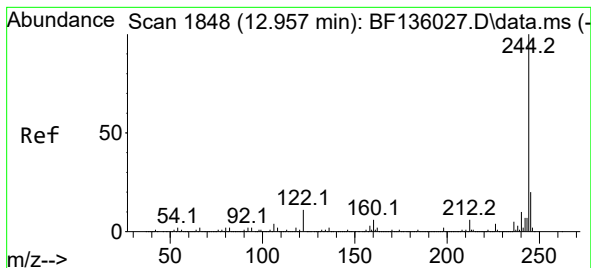
Ion Ratio Lower Upper

202 100

200 19.0 17.0 25.4

203 19.8 14.4 21.6





#79

Terphenyl-d14

Concen: 42.159 ng

RT: 12.945 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

Instrument :

BNA_F

ClientSampleId :

VNJ-221

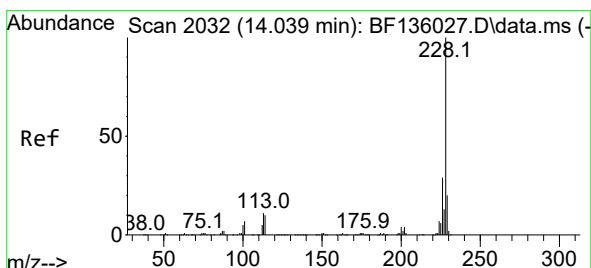
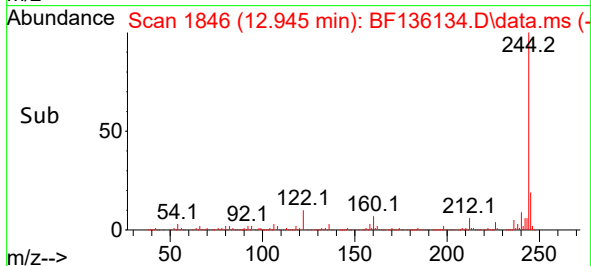
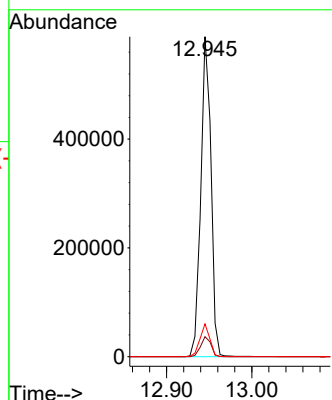
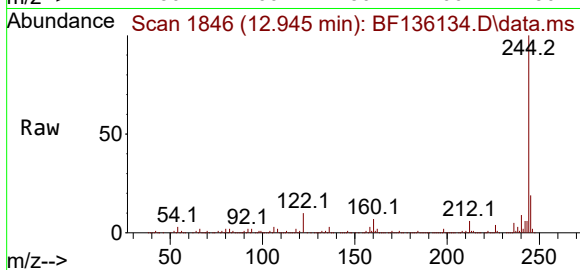
Tgt Ion:244 Resp: 489087

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 10.3 8.6 12.8



#83

Chrysene

Concen: 2.191 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

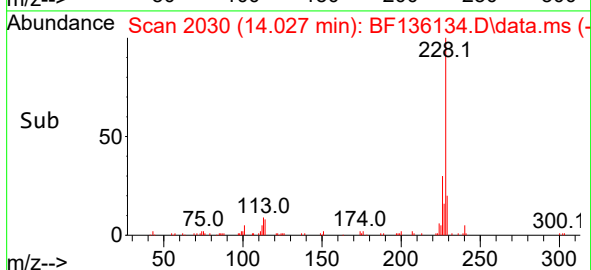
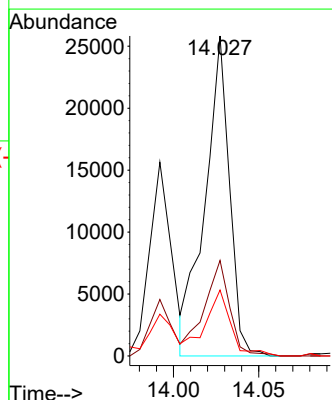
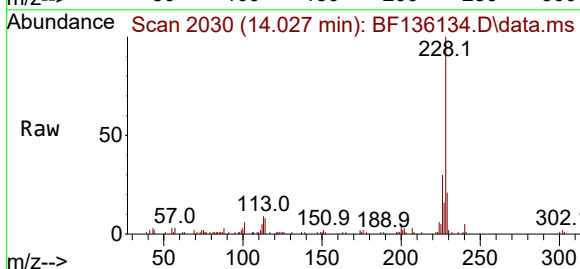
Tgt Ion:228 Resp: 25751

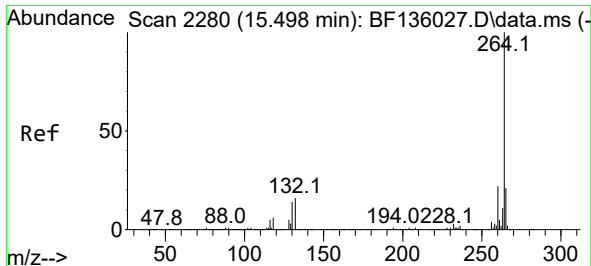
Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

229 20.6 16.0 24.0

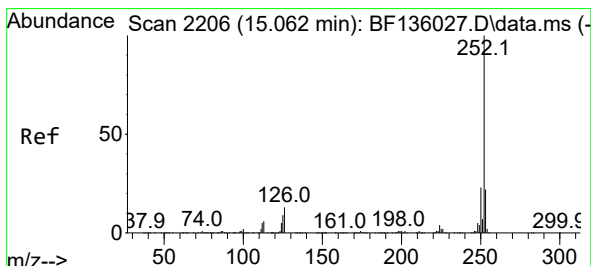
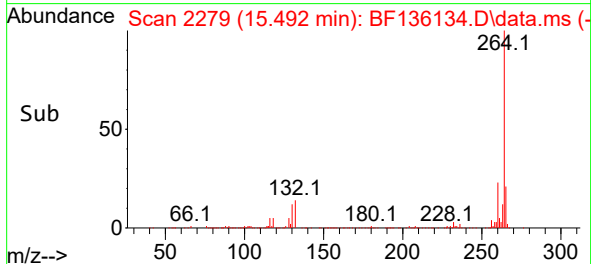
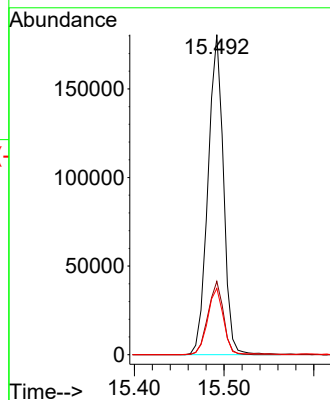
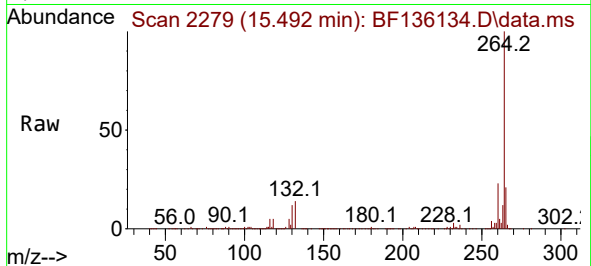




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

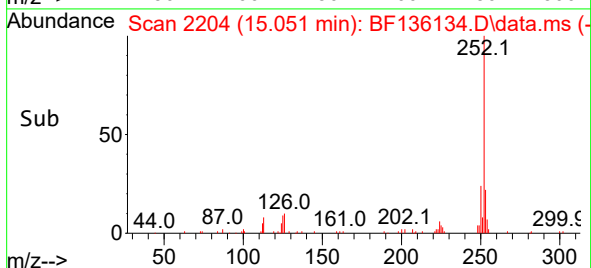
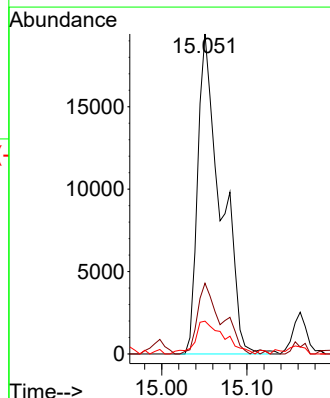
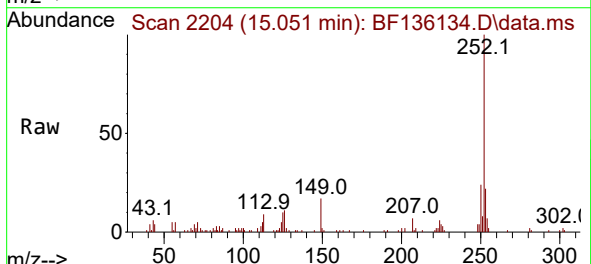
Instrument :
BNA_F
ClientSampleId :
VNJ-221

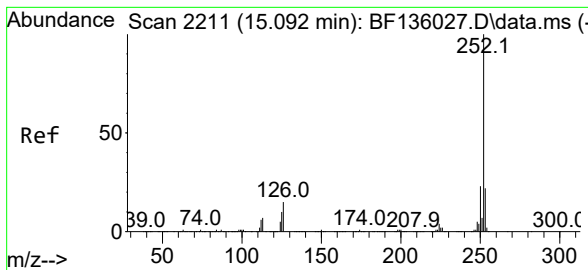
Tgt Ion:264 Resp: 216541
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 20.7 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 2.856 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136134.D
Acq: 03 Nov 2023 20:11

Tgt Ion:252 Resp: 36596
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 10.2 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 2.887 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

Instrument :

BNA_F

ClientSampleId :

VNJ-221

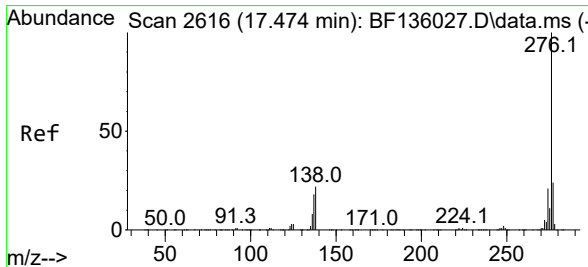
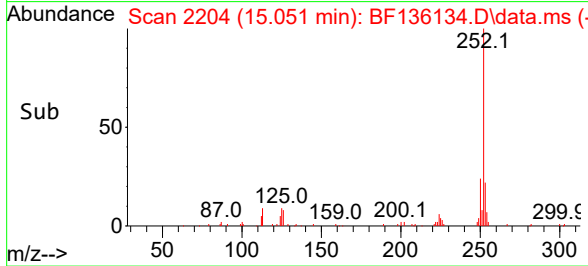
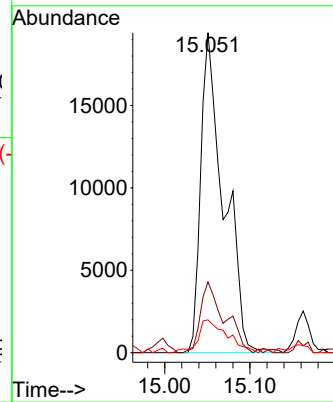
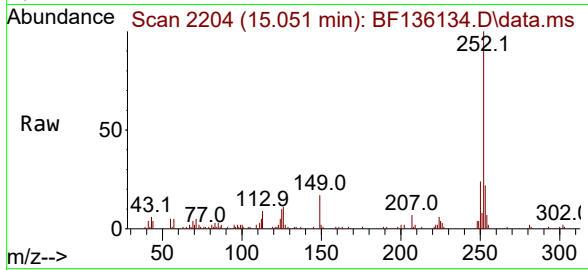
Tgt Ion:252 Resp: 36596

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 10.2 8.0 12.0



#92

Benzo(g,h,i)perylene

Concen: 3.361 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.035 min

Lab File: BF136134.D

Acq: 03 Nov 2023 20:11

Tgt Ion:276 Resp: 6549

Ion Ratio Lower Upper

276 100

277 22.5 19.0 28.4

138 18.9 17.4 26.2

