

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134065.D
 Acq On : 30 Jun 2023 22:26
 Operator : CG\JU
 Sample : 03471-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

Quant Time: Jul 01 04:33:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

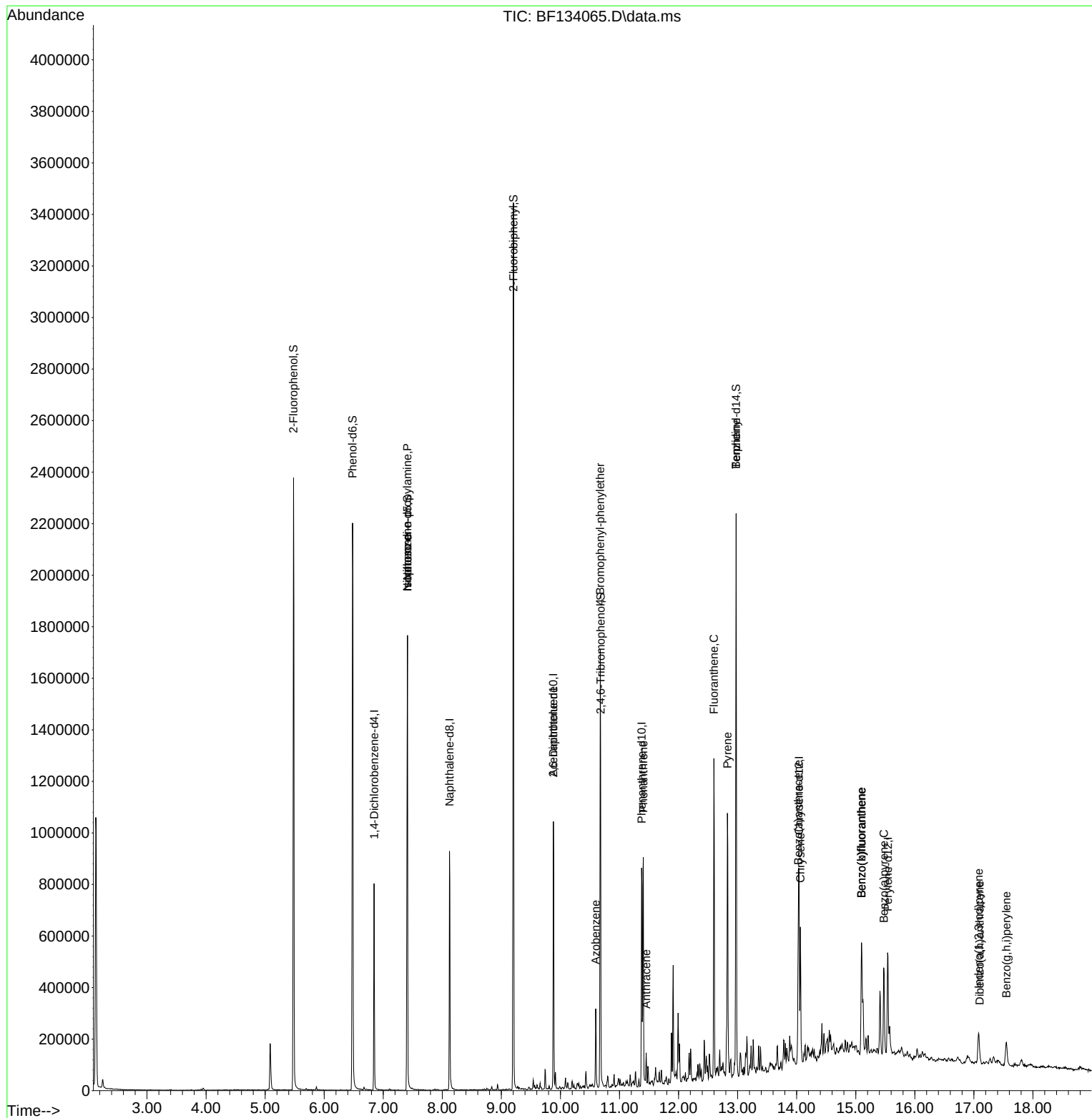
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	103988	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	397942	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	196514	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	335901	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	188678	20.000	ng	-0.01
86) Perylene-d12	15.545	264	200517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	618798	99.541	ng	0.00
7) Phenol-d6	6.481	99	755303	98.796	ng	-0.01
23) Nitrobenzene-d5	7.410	82	520524	70.510	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	201091	81.615	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	954806	70.641	ng	0.00
79) Terphenyl-d14	12.974	244	728156	62.112	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	72	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.410	70	73815	15.225	ng	# 77
25) Isophorone	7.410	82	520517	38.796	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	26210	8.531	ng	# 24
63) Azobenzene	10.598	77	51564	3.668	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	11794	3.303	ng	# 1
71) Phenanthrene	11.404	178	333239	19.707	ng	98
72) Anthracene	11.451	178	40722	2.315	ng	98
75) Fluoranthene	12.598	202	485468	26.556	ng	99
77) Benzidine	12.974	184	10844	2.415	ng	# 91
78) Pyrene	12.827	202	444456	25.312	ng	100
81) Benzo(a)anthracene	14.027	228	196571	15.022	ng	96
83) Chrysene	14.062	228	198727	15.680	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	85336	6.133	ng	97
88) Benzo(b)fluoranthene	15.098	252	336864	28.571	ng	97
89) Benzo(k)fluoranthene	15.098	252	336864	28.061	ng	96
90) Benzo(a)pyrene	15.474	252	172411	15.122	ng	97
91) Dibenzo(a,h)anthracene	17.098	278	22966	2.021	ng	94
92) Benzo(g,h,i)perylene	17.550	276	80577	6.875	ng	98

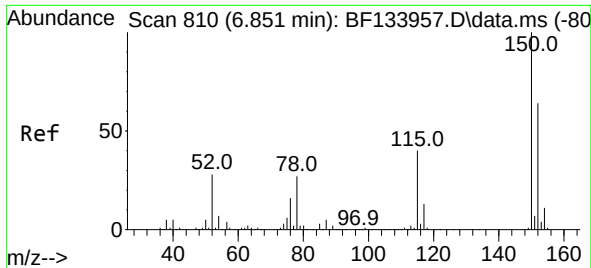
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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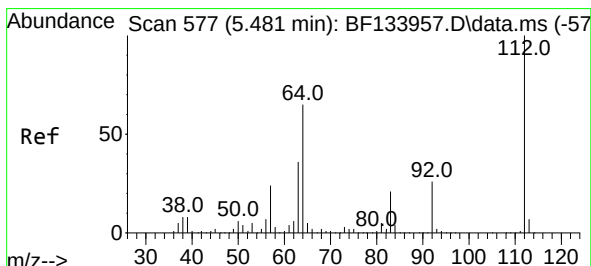
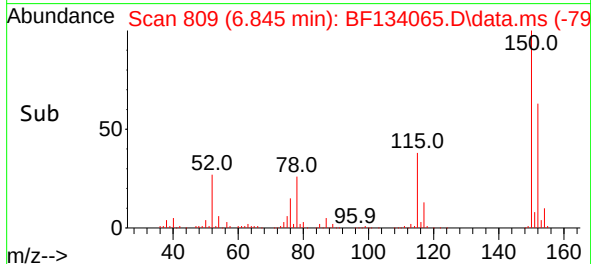
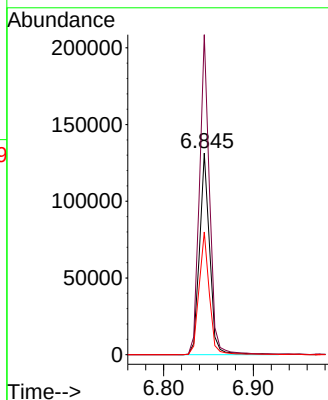
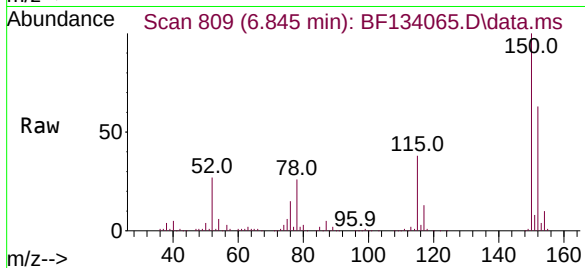




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

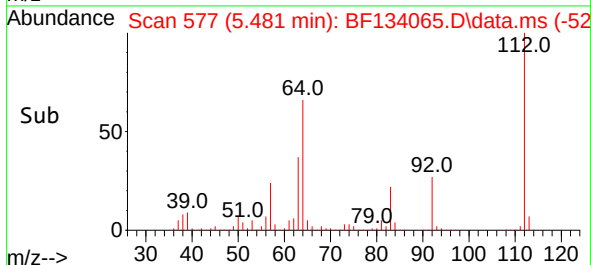
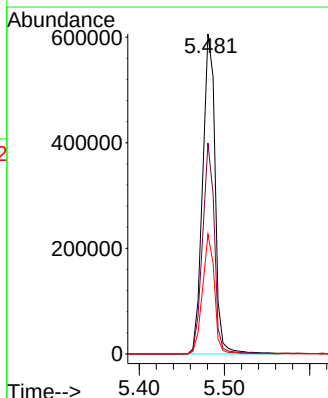
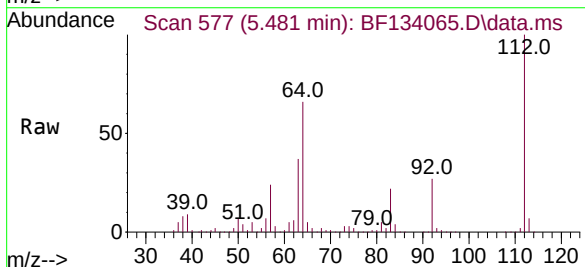
Instrument :
BNA_F
ClientSampleId :
VNJ-232

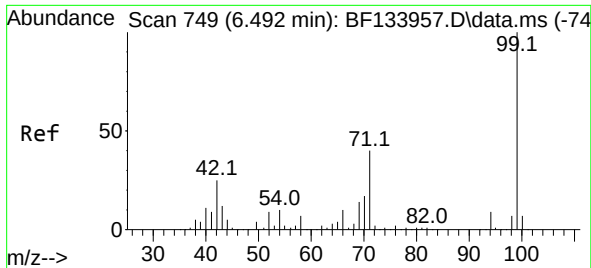
Tgt Ion:152 Resp: 103988
Ion Ratio Lower Upper
152 100
150 158.7 124.5 186.7
115 60.9 50.2 75.2



#5
2-Fluorophenol
Concen: 99.541 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:112 Resp: 618798
Ion Ratio Lower Upper
112 100
64 65.9 52.1 78.1
63 37.4 28.6 42.8





#7

Phenol-d6

Concen: 98.796 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

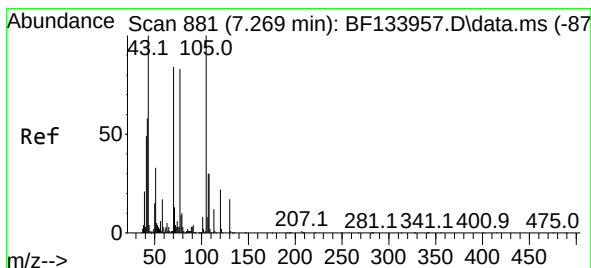
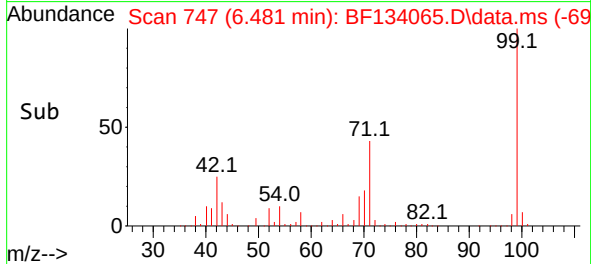
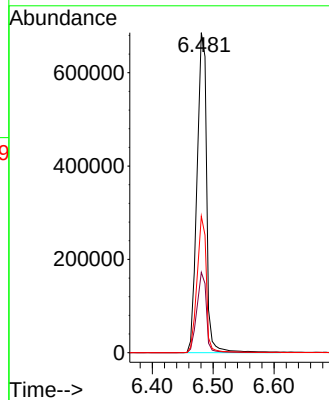
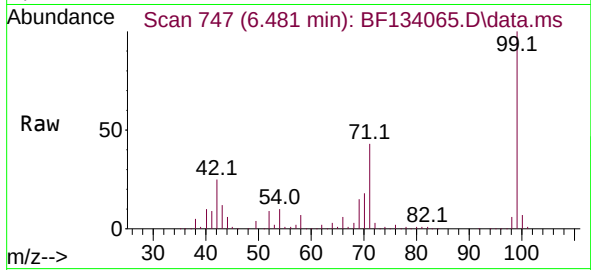
Tgt Ion: 99 Resp: 755303

Ion Ratio Lower Upper

99 100

42 25.1 19.8 29.6

71 42.6 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.225 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.141 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Tgt Ion: 70 Resp: 73815

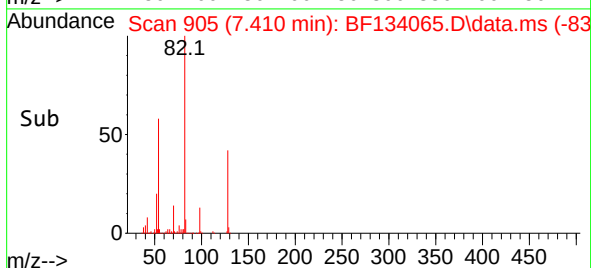
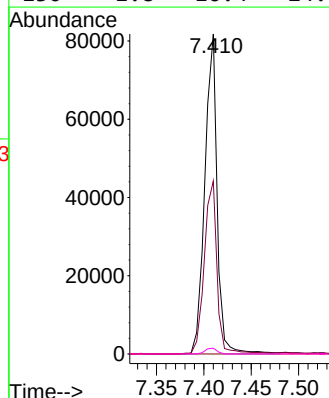
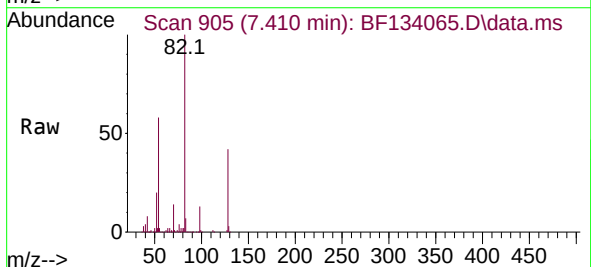
Ion Ratio Lower Upper

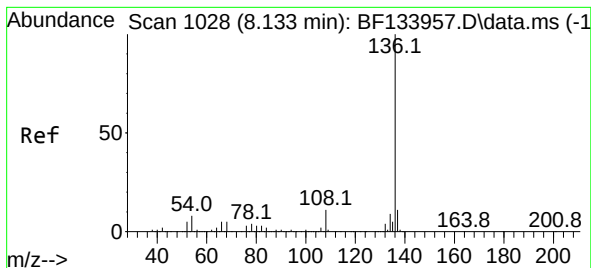
70 100

42 54.1 54.7 82.1#

101 0.0 7.7 11.5#

130 1.8 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

Tgt Ion:136 Resp: 397942

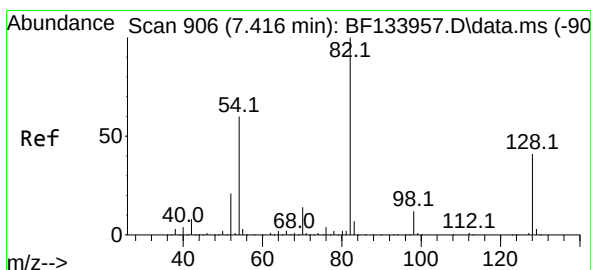
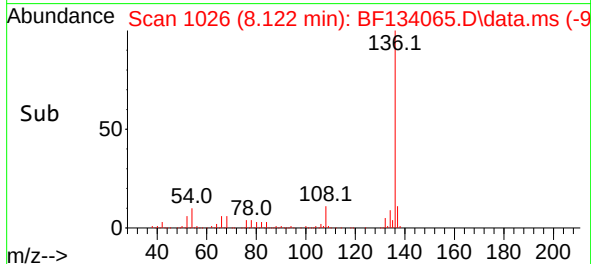
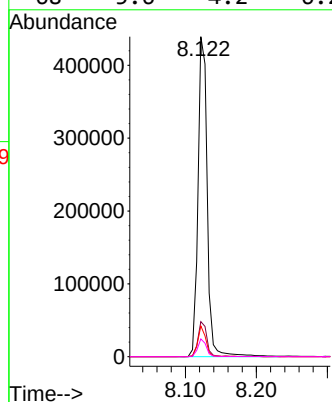
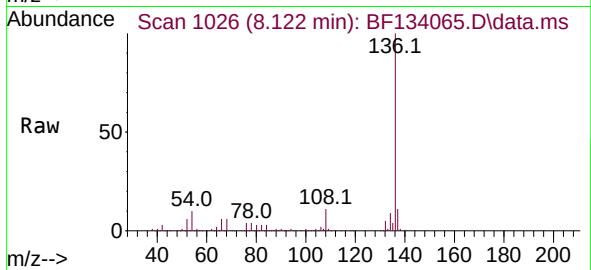
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.6 6.5 9.7

68 5.6 4.2 6.2



#23

Nitrobenzene-d5

Concen: 70.510 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

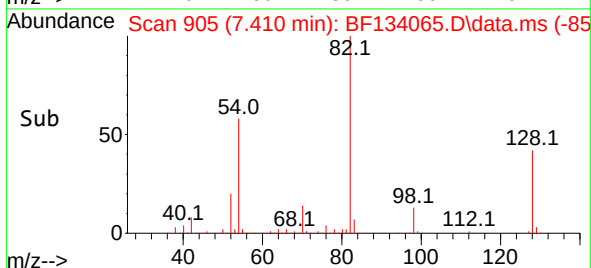
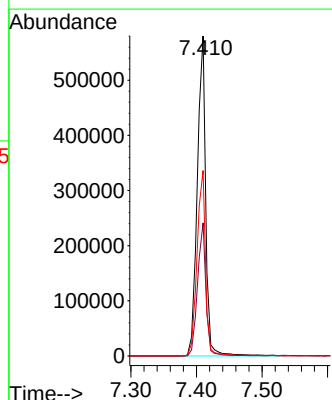
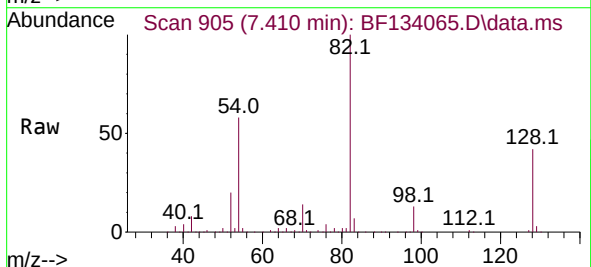
Tgt Ion: 82 Resp: 520524

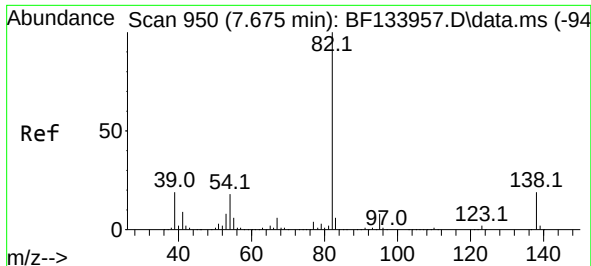
Ion Ratio Lower Upper

82 100

128 41.6 32.5 48.7

54 58.0 48.2 72.2

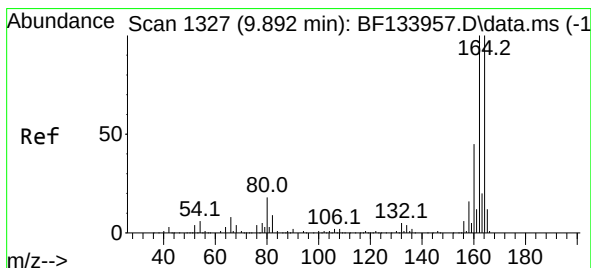
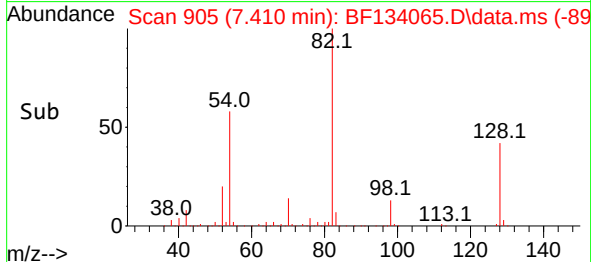
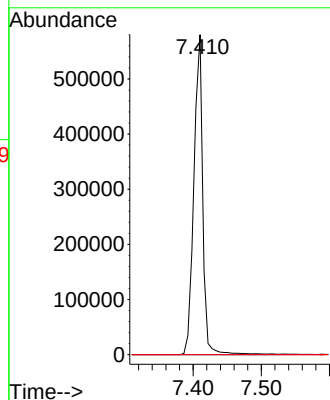
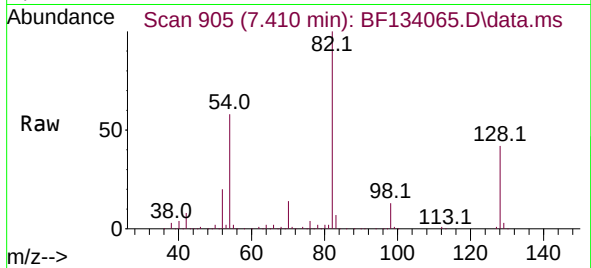




#25
Isophorone
Concen: 38.796 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

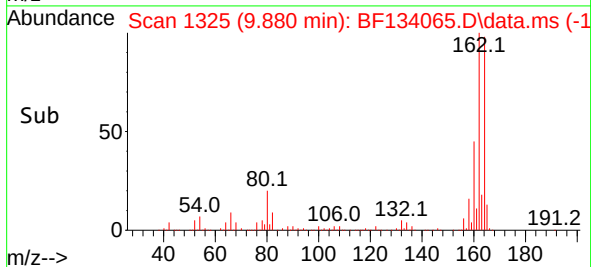
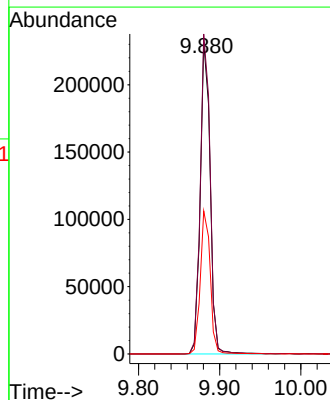
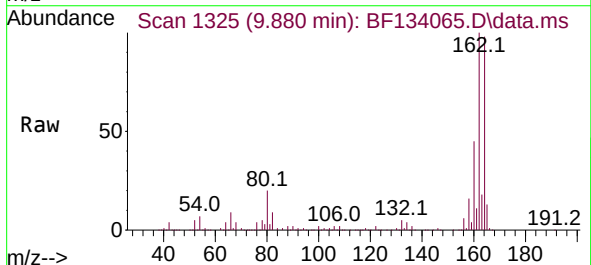
Instrument :
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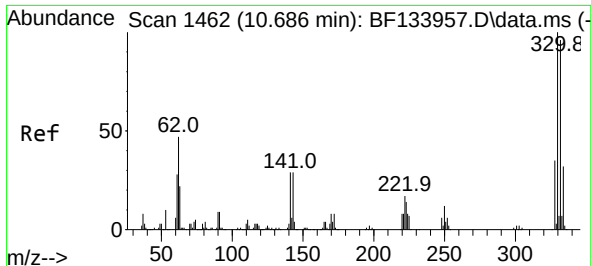
Tgt Ion: 82 Resp: 520517
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:164 Resp: 196514
Ion Ratio Lower Upper
164 100
162 102.5 80.0 120.0
160 45.8 35.9 53.9

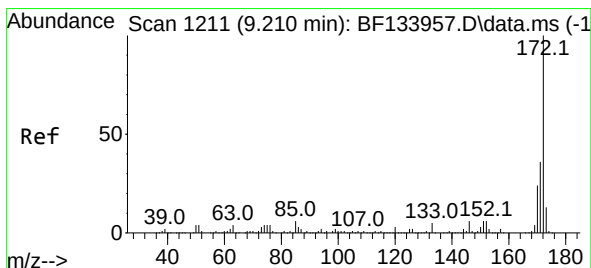
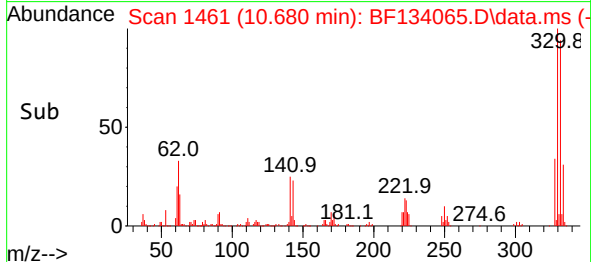
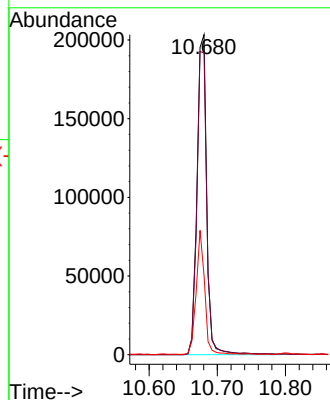
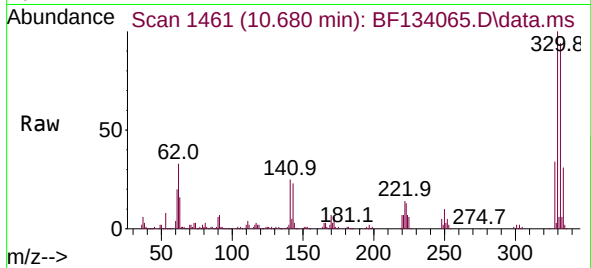




#42
2,4,6-Tribromophenol
Concen: 81.615 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

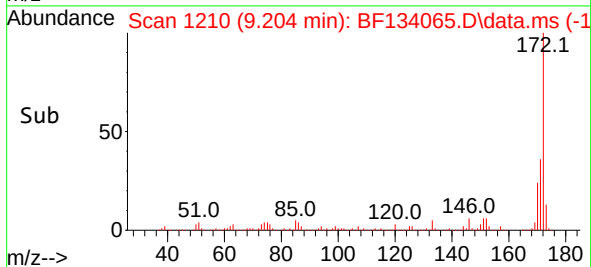
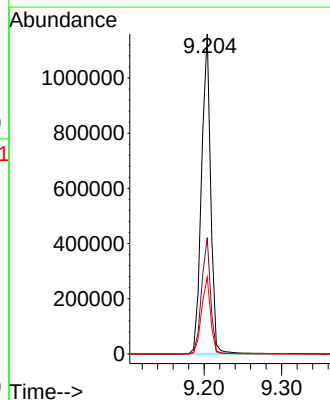
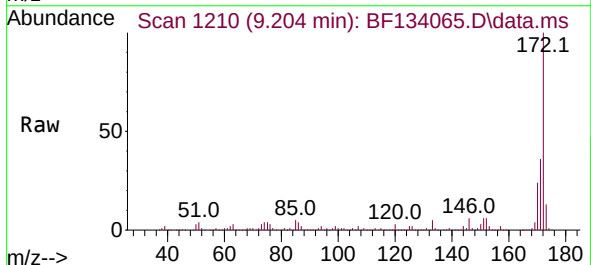
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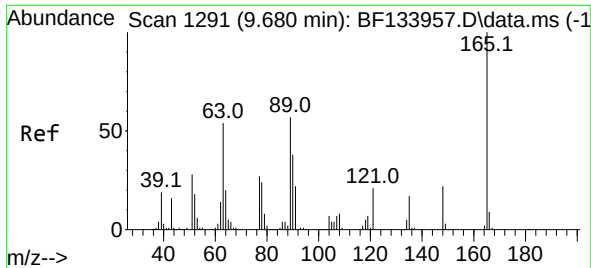
Tgt Ion:330 Resp: 201091
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.6
141 34.8 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 70.641 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:172 Resp: 954806
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 24.0 19.4 29.0

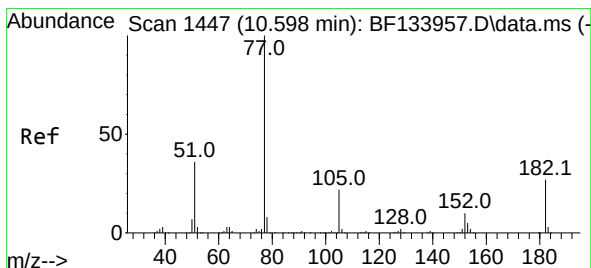
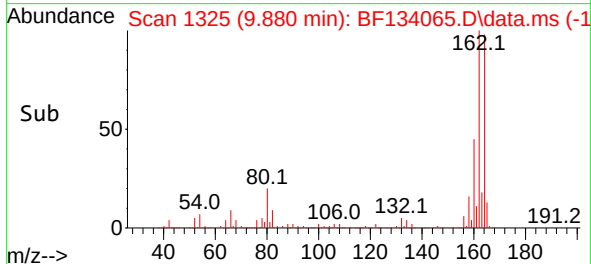
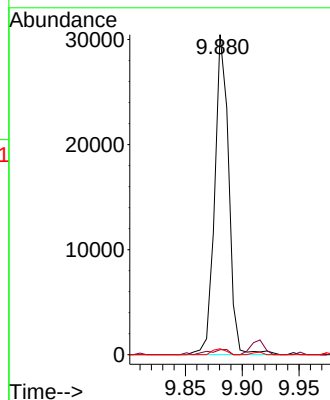
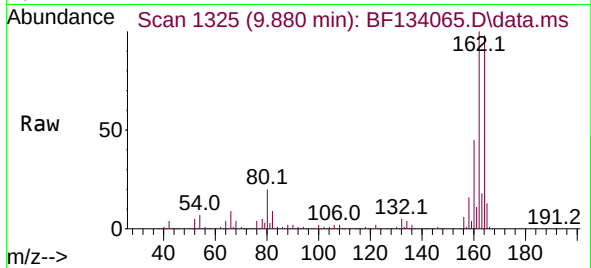




#51
2,6-Dinitrotoluene
Concen: 8.531 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

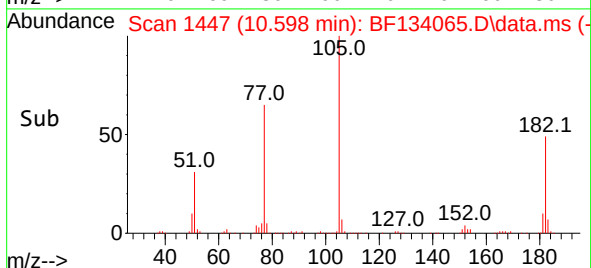
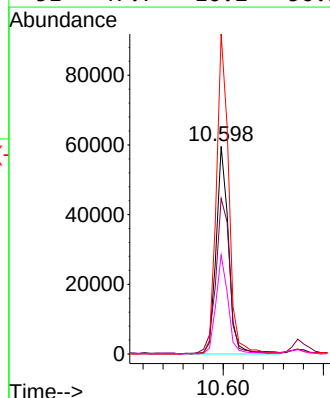
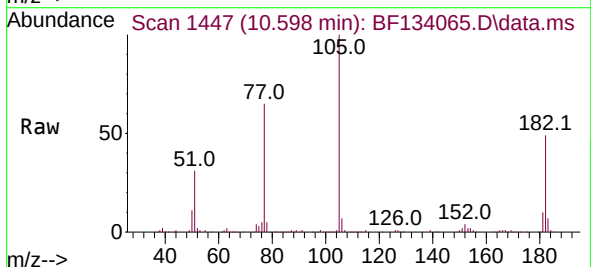
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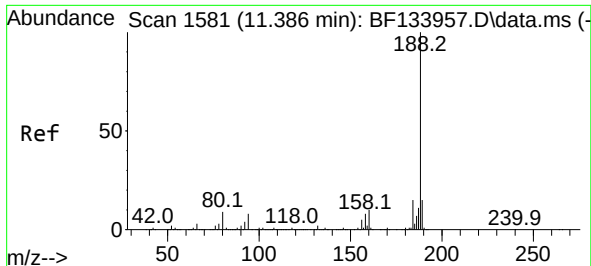
Tgt Ion:165 Resp: 26210
Ion Ratio Lower Upper
165 100
63 1.5 48.5 72.7#
89 1.9 45.5 68.3#



#63
Azobenzene
Concen: 3.668 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion: 77 Resp: 51564
Ion Ratio Lower Upper
77 100
182 74.9 6.8 46.8#
105 154.1 2.3 42.3#
51 47.7 16.2 56.2

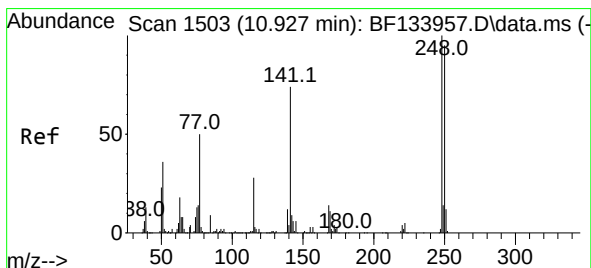
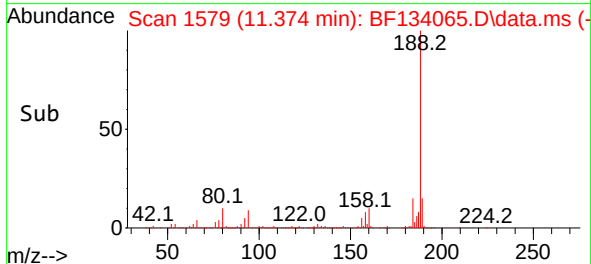
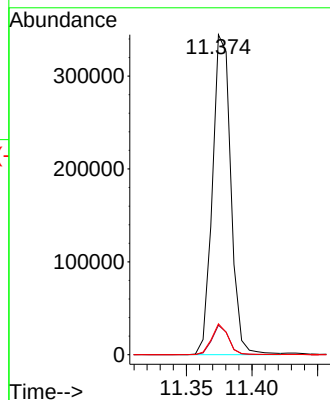
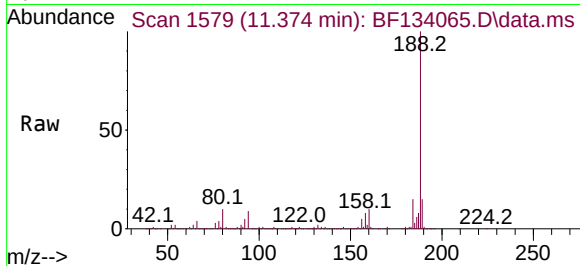




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

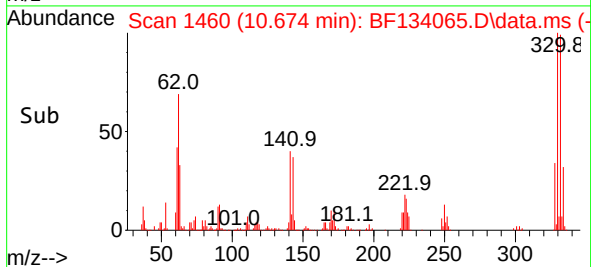
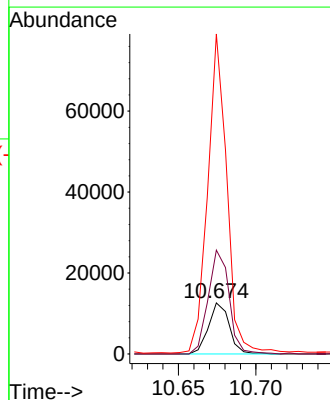
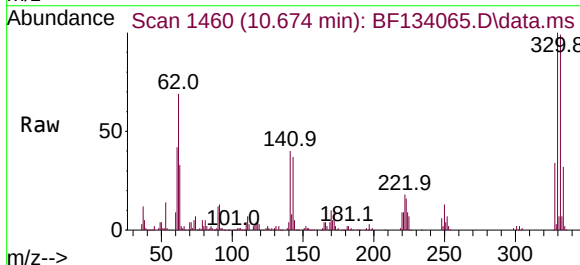
Instrument :
BNA_F
ClientSampleId :
VNJ-232

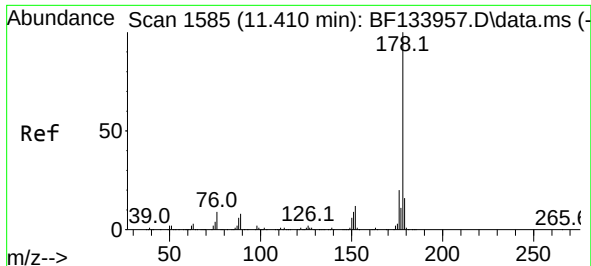
Tgt Ion:188 Resp: 335901
Ion Ratio Lower Upper
188 100
94 9.2 6.4 9.6
80 9.6 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.303 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.253 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:248 Resp: 11794
Ion Ratio Lower Upper
248 100
250 203.1 76.2 114.4#
141 626.1 59.0 88.4#

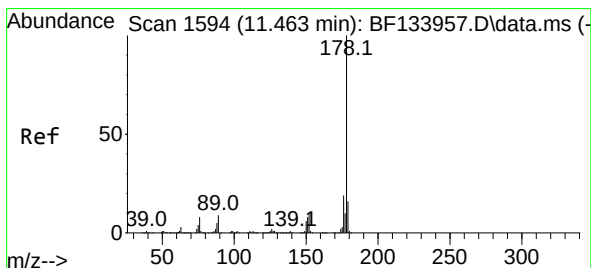
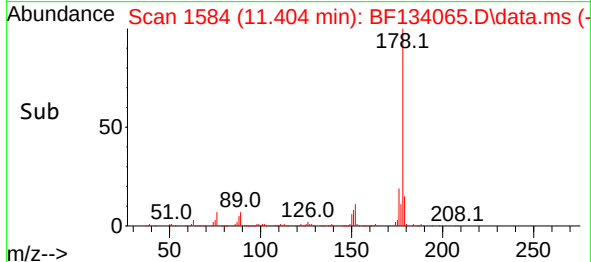
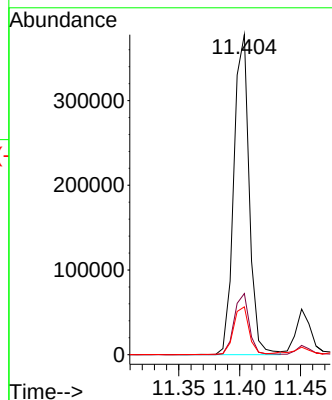
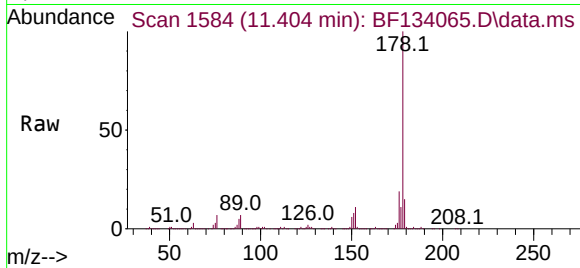




#71
Phenanthrene
Concen: 19.707 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

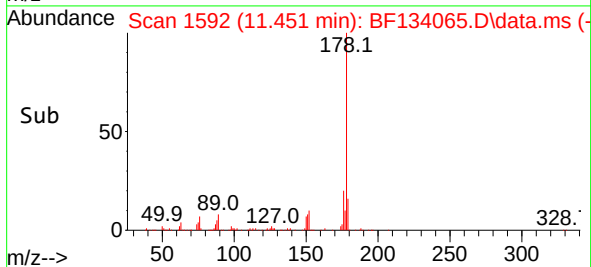
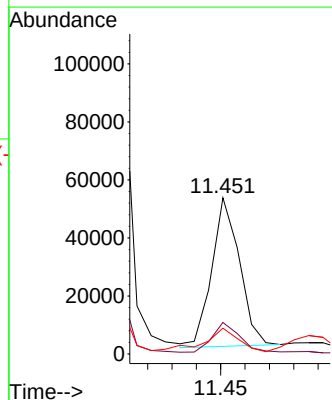
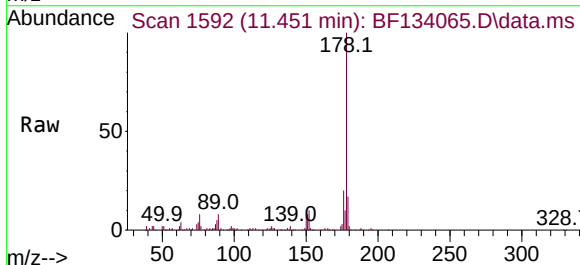
Instrument :
BNA_F
ClientSampleId :
VNJ-232

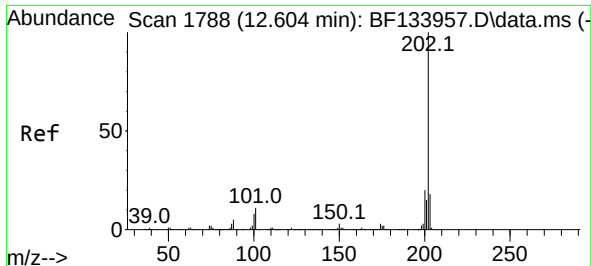
Tgt Ion:178 Resp: 333239
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.9 12.4 18.6



#72
Anthracene
Concen: 2.315 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:178 Resp: 40722
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 16.5 12.4 18.6

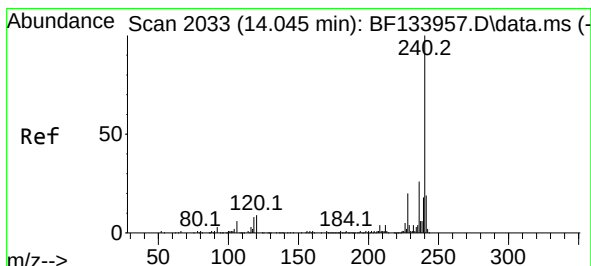
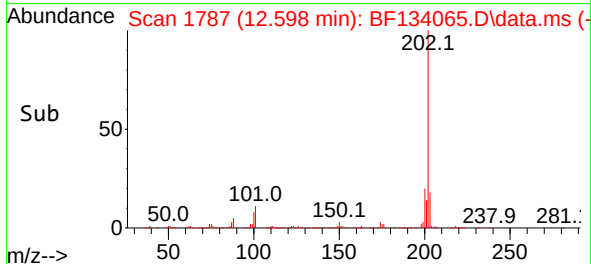
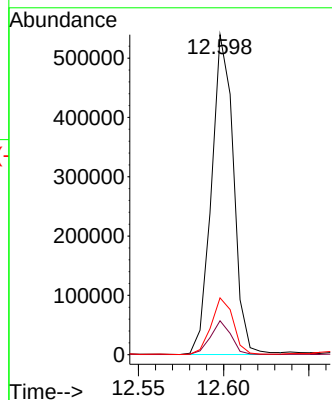
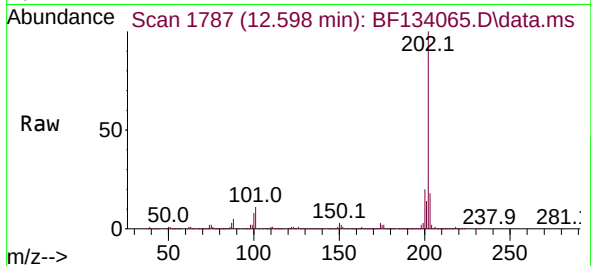




#75
Fluoranthene
Concen: 26.556 ng
RT: 12.598 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

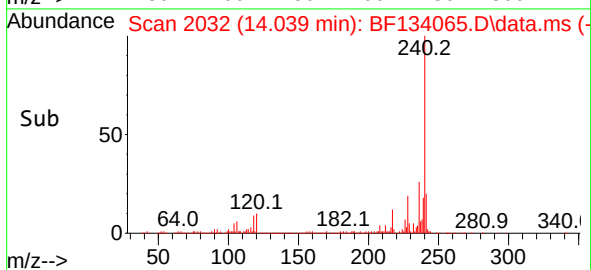
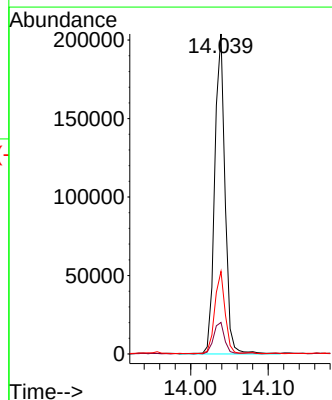
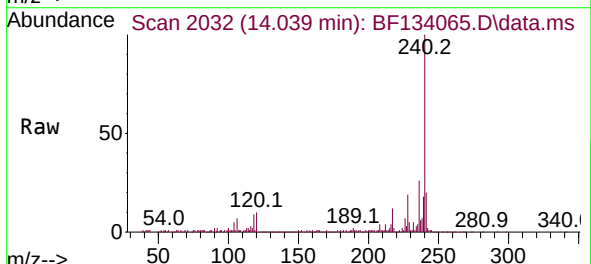
Instrument :
BNA_F
ClientSampleId :
VNJ-232

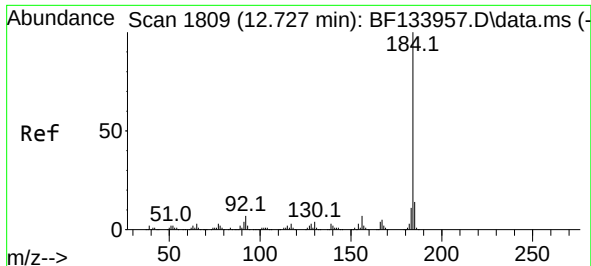
Tgt Ion:202 Resp: 485468
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.0
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:240 Resp: 188678
Ion Ratio Lower Upper
240 100
120 9.8 7.4 11.0
236 25.8 21.0 31.6

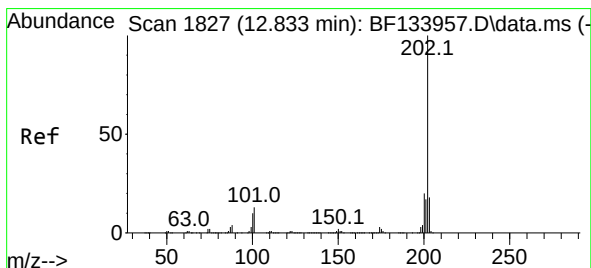
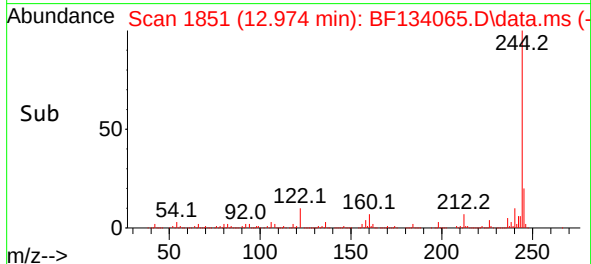
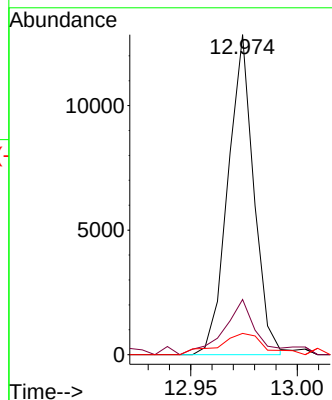
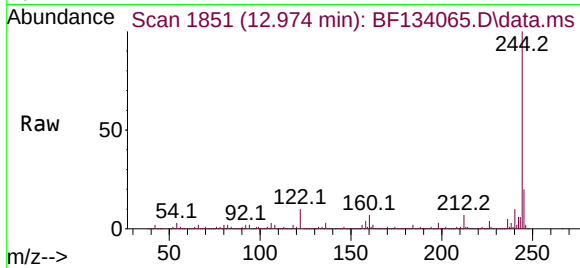




#77
Benzidine
Concen: 2.415 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

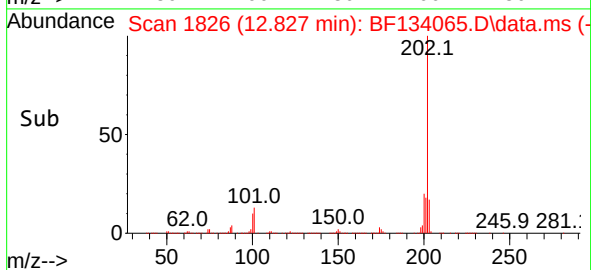
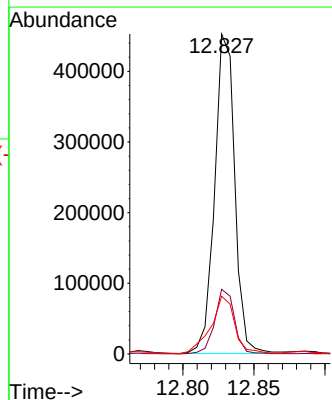
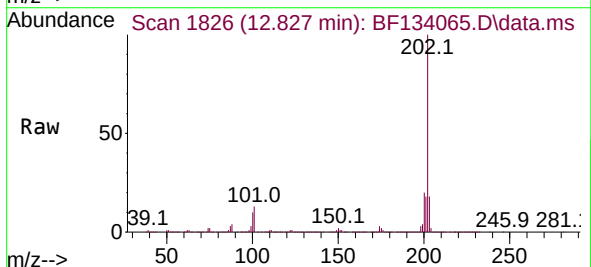
Instrument :
BNA_F
ClientSampleId :
VNJ-232

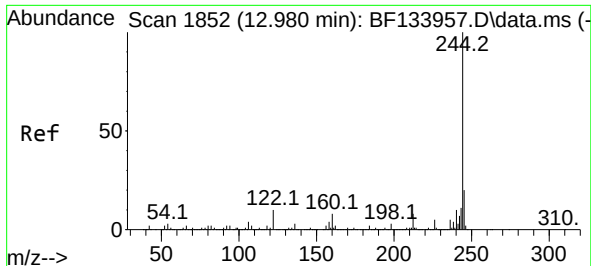
Tgt Ion:184 Resp: 10844
Ion Ratio Lower Upper
184 100
185 17.2 11.6 17.4
183 6.7 8.8 13.2#



#78
Pyrene
Concen: 25.312 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:202 Resp: 444456
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.1 14.3 21.5

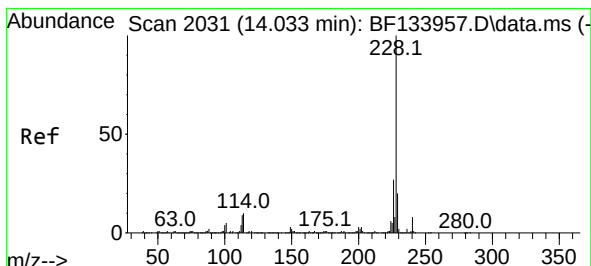
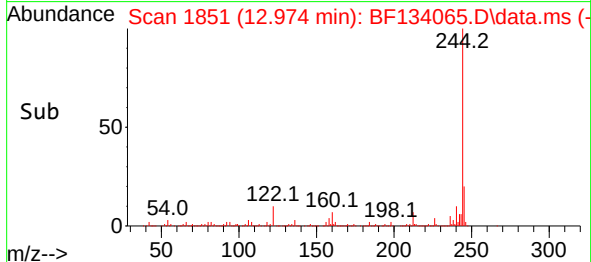
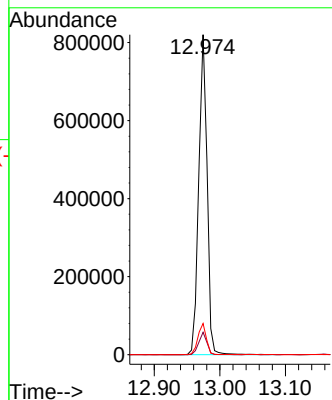
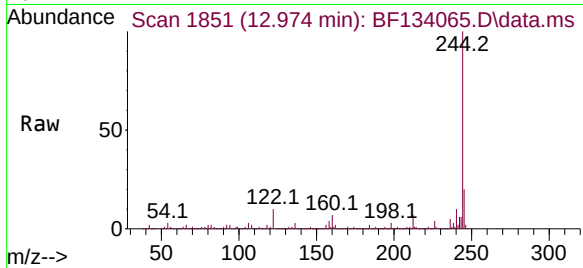




#79
 Terphenyl-d14
 Concen: 62.112 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134065.D
 Acq: 30 Jun 2023 22:26

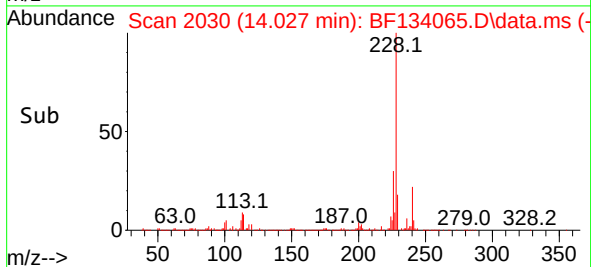
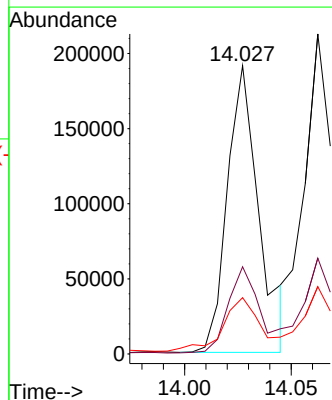
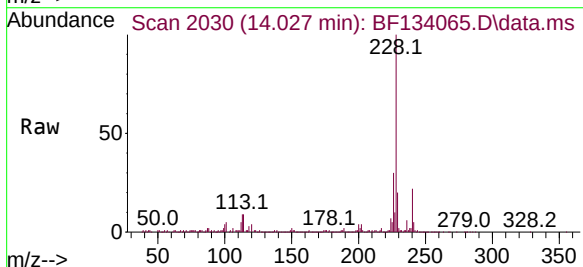
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-232

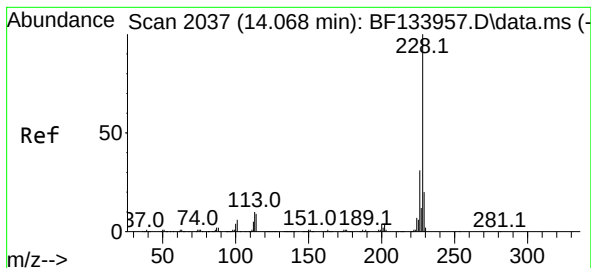
Tgt Ion:244 Resp: 728156
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 15.022 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134065.D
 Acq: 30 Jun 2023 22:26

Tgt Ion:228 Resp: 196571
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 19.5 16.3 24.5





#83

Chrysene

Concen: 15.680 ng

RT: 14.062 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

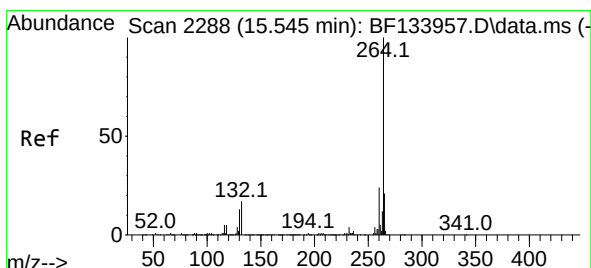
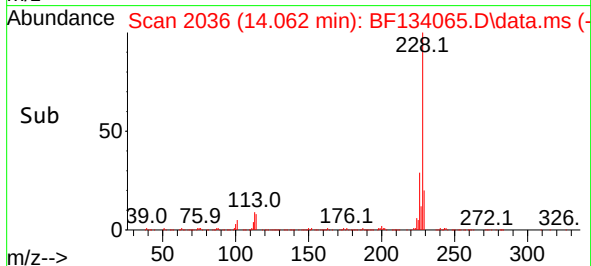
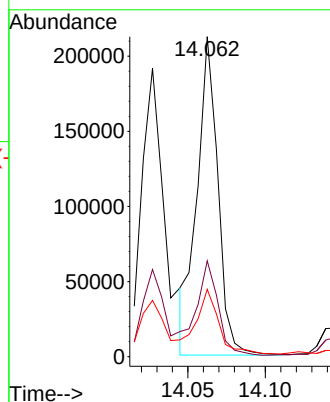
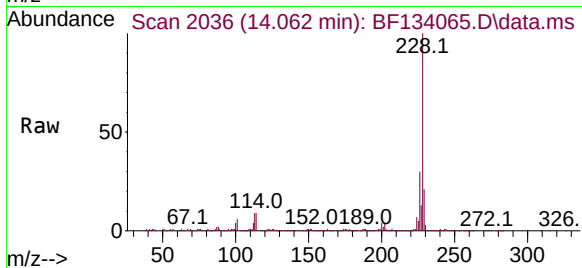
Tgt Ion:228 Resp: 198727

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 21.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

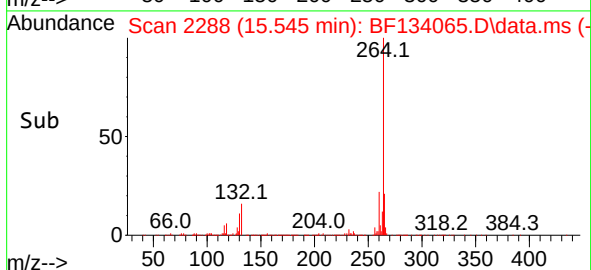
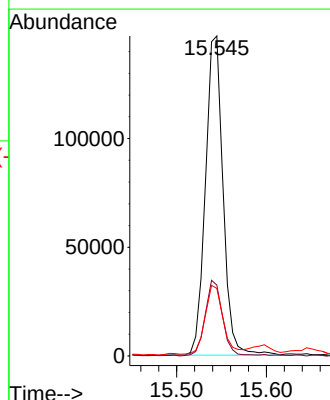
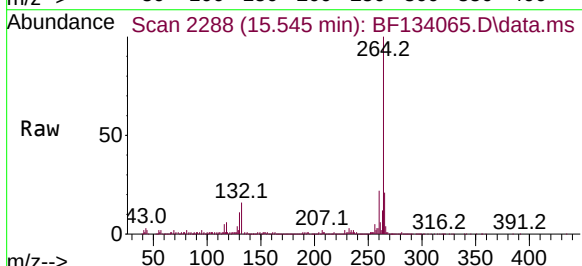
Tgt Ion:264 Resp: 200517

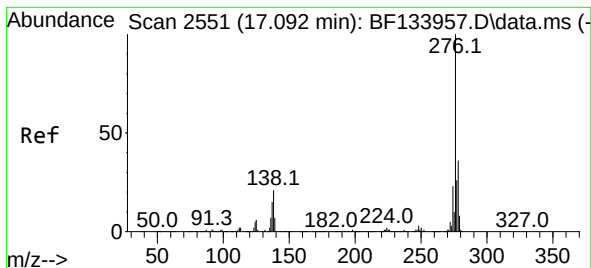
Ion Ratio Lower Upper

264 100

260 22.1 19.5 29.3

265 21.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.133 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

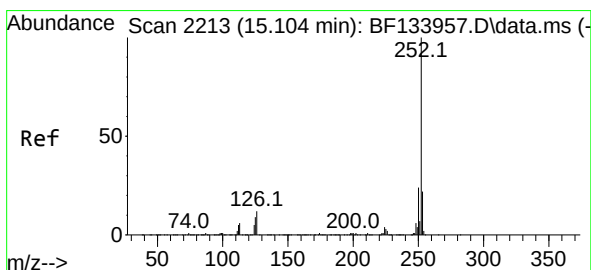
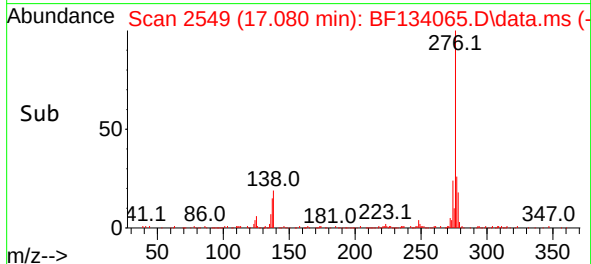
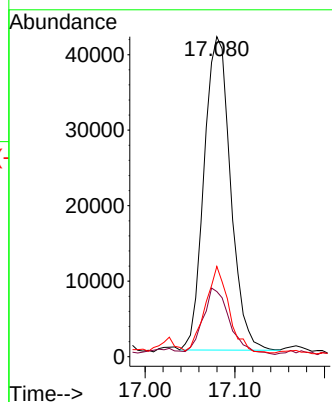
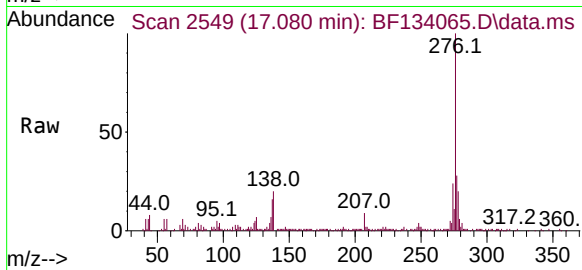
Tgt Ion:276 Resp: 85336

Ion Ratio Lower Upper

276 100

138 21.5 18.7 28.1

277 25.6 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 28.571 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

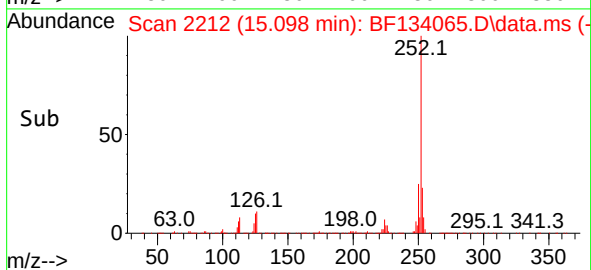
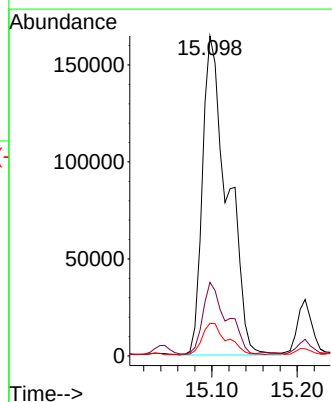
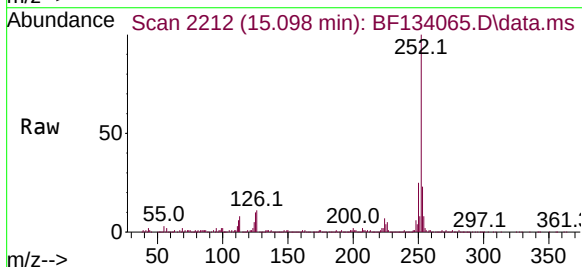
Tgt Ion:252 Resp: 336864

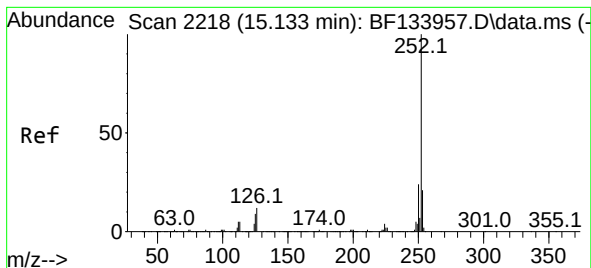
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.2 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 28.061 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

Instrument :

BNA_F

ClientSampleId :

VNJ-232

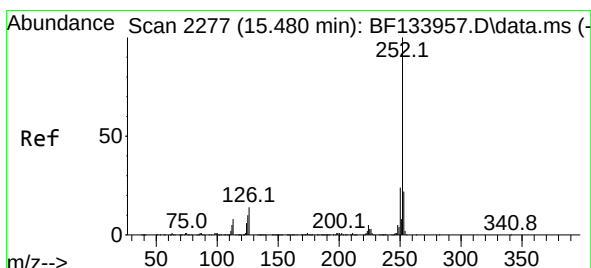
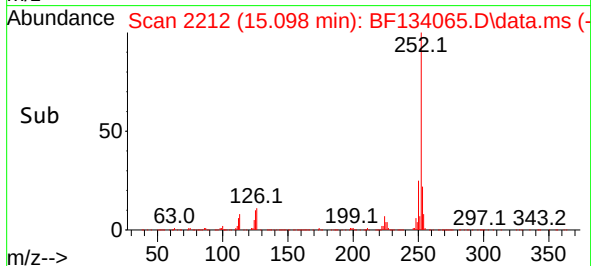
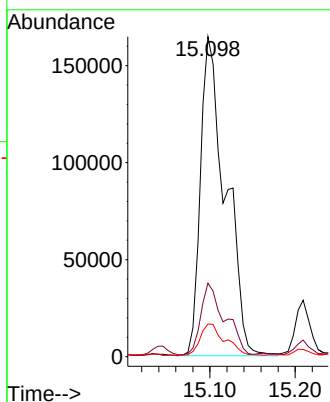
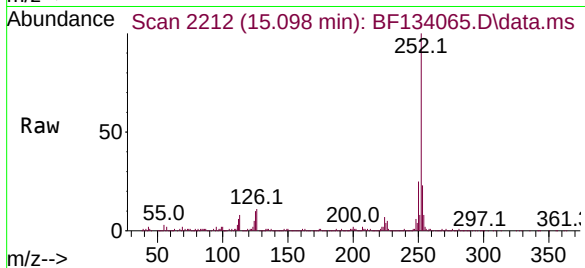
Tgt Ion:252 Resp: 336864

Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

125 10.2 7.4 11.2



#90

Benzo(a)pyrene

Concen: 15.122 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.018 min

Lab File: BF134065.D

Acq: 30 Jun 2023 22:26

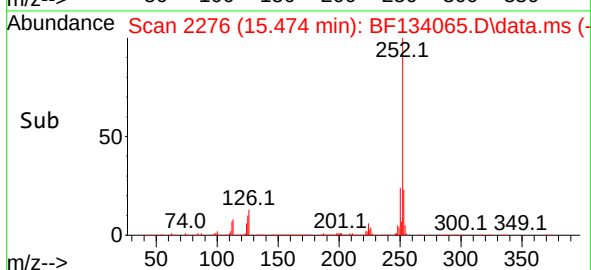
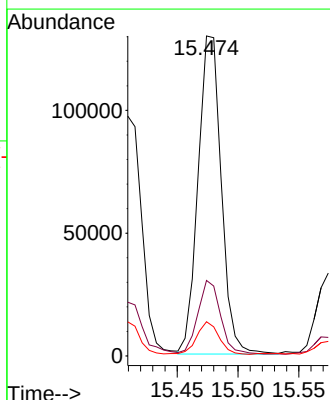
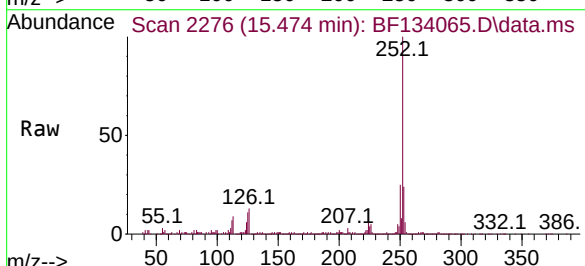
Tgt Ion:252 Resp: 172411

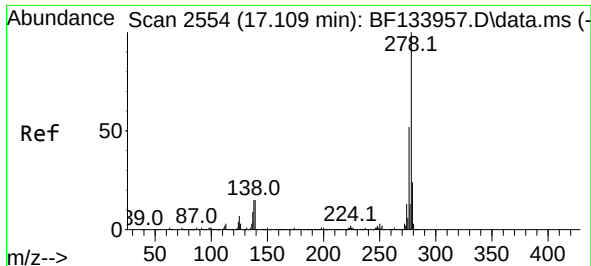
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 10.7 8.4 12.6

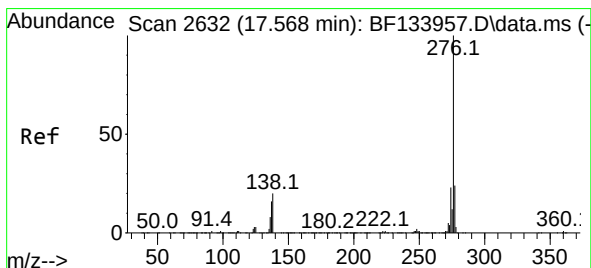
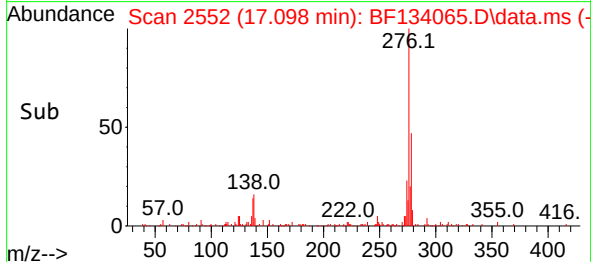
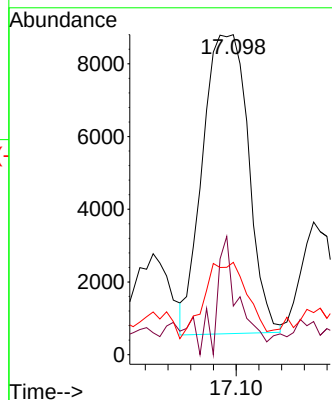
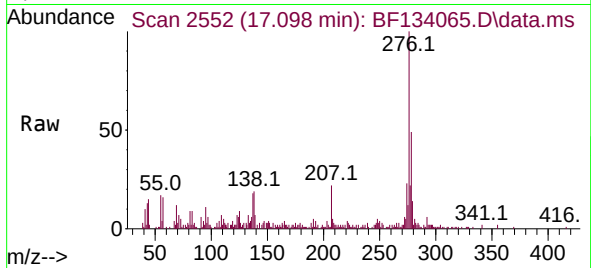




#91
Dibenzo(a,h)anthracene
Concen: 2.021 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Instrument :
BNA_F
ClientSampleId :
VNJ-232

Tgt Ion:278 Resp: 22966
Ion Ratio Lower Upper
278 100
139 15.2 12.2 18.4
279 28.8 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 6.875 ng
RT: 17.550 min Scan# 2629
Delta R.T. -0.030 min
Lab File: BF134065.D
Acq: 30 Jun 2023 22:26

Tgt Ion:276 Resp: 80577
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 21.0 16.2 24.2

