

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
 Data File : BF136083.D
 Acq On : 01 Nov 2023 18:30
 Operator : CG\JU
 Sample : 04858-07DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3DL

Quant Time: Nov 01 22:42:05 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)

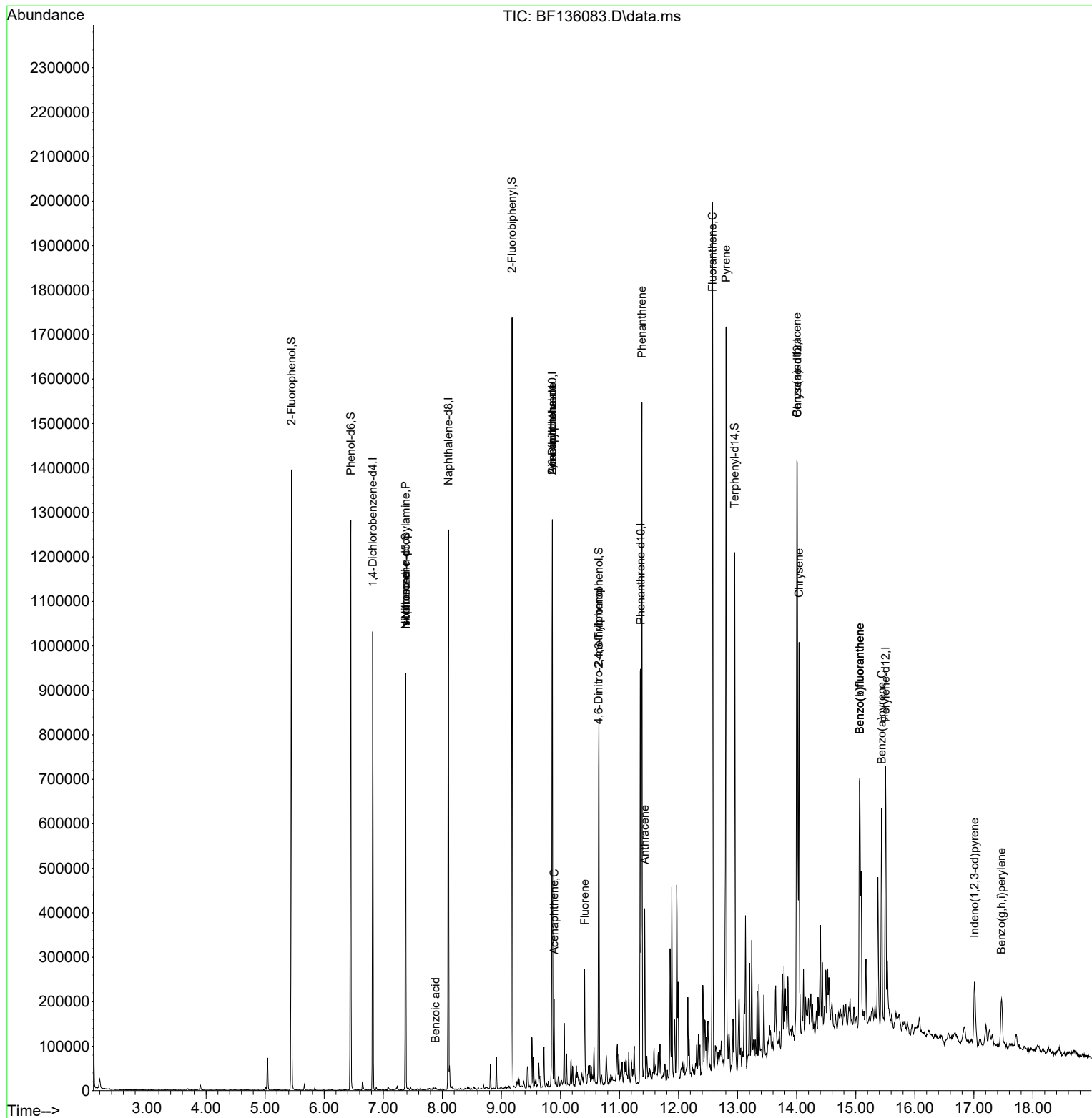
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	133293	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	505093	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	239833	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	368173	20.000	ng	0.00
76) Chrysene-d12	14.010	240	279646	20.000	ng	0.00
86) Perylene-d12	15.504	264	262472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	351502	41.439	ng	0.00
7) Phenol-d6	6.451	99	428073	40.504	ng	0.00
23) Nitrobenzene-d5	7.381	82	237410	28.335	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	91252	35.646	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	457975	30.440	ng	0.00
79) Terphenyl-d14	12.951	244	355529	19.757	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	31411	5.202	ng	# 76
25) Isophorone	7.381	82	237408	15.009	ng	# 64
32) Benzoic acid	7.886	122	117	5.132	ng	# 20
50) Dimethylphthalate	9.863	163	49695	3.141	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	32719	9.670	ng	# 28
52) Acenaphthene	9.892	154	34368	2.571	ng	99
58) Fluorene	10.410	166	59944	4.108	ng	99
65) 4,6-Dinitro-2-methylph...	10.645	198	186	5.872	ng	# 1
71) Phenanthrene	11.380	178	553901	29.880	ng	98
72) Anthracene	11.427	178	135138	7.114	ng	98
75) Fluoranthene	12.574	202	745019	39.121	ng	99
78) Pyrene	12.804	202	673109	27.301	ng	100
81) Benzo(a)anthracene	14.004	228	372826	20.138	ng	97
83) Chrysene	14.039	228	331496	18.182	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	102148	5.955	ng	94
88) Benzo(b)fluoranthene	15.068	252	464399	29.902	ng	99
89) Benzo(k)fluoranthene	15.068	252	464399	30.221	ng	99
90) Benzo(a)pyrene	15.439	252	234596	16.257	ng	97
92) Benzo(g,h,i)perylene	17.468	276	89737	8.166	ng	98

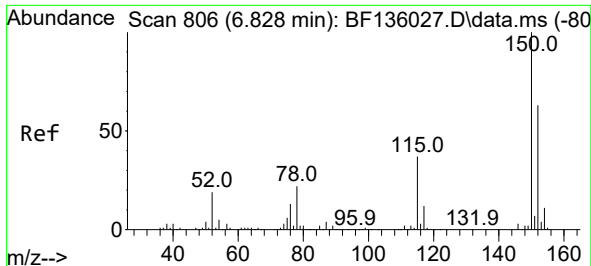
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136083.D
Acq On : 01 Nov 2023 18:30
Operator : CG\JU
Sample : 04858-07DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-3DL

Quant Time: Nov 01 22:42:05 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

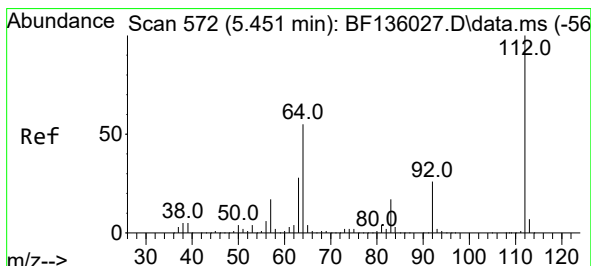
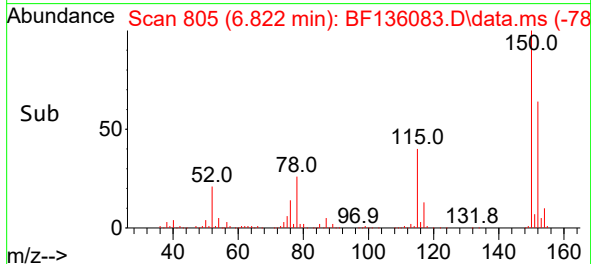
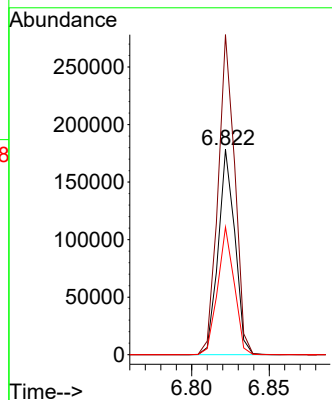
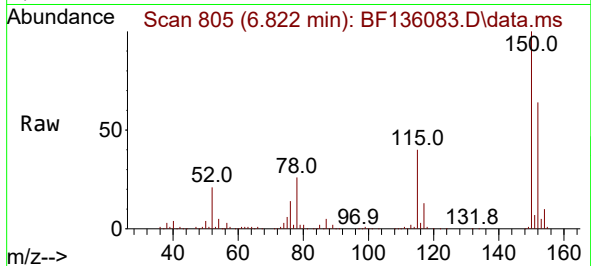




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136083.D
 Acq: 01 Nov 2023 18:30

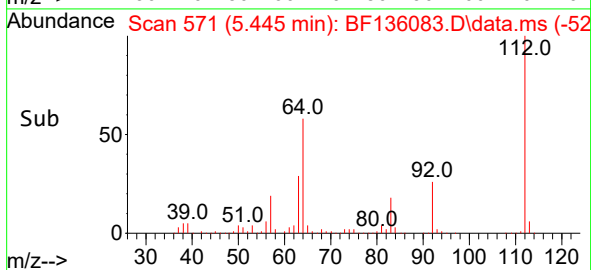
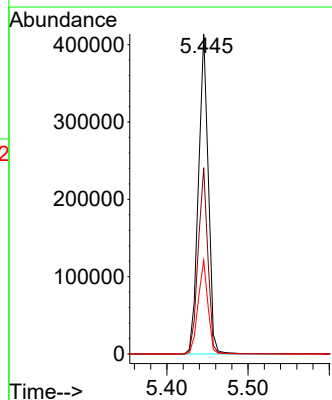
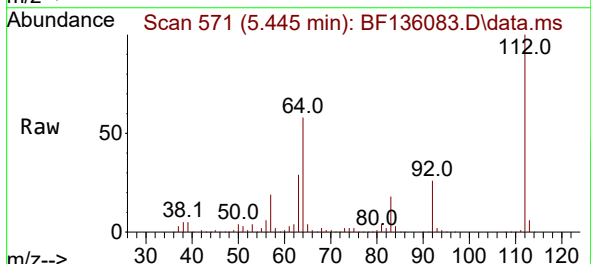
Instrument :
 BNA_F
 ClientSampleId :
 WC-3DL

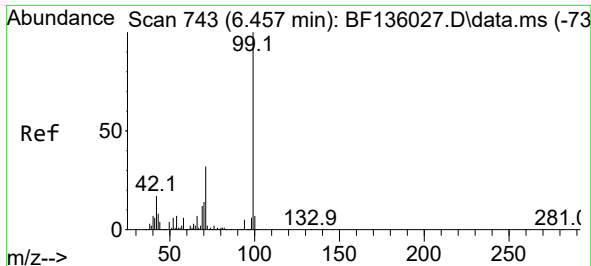
Tgt Ion:152 Resp: 133293
 Ion Ratio Lower Upper
 152 100
 150 155.9 126.4 189.6
 115 62.1 47.0 70.4



#5
 2-Fluorophenol
 Concen: 41.439 ng
 RT: 5.445 min Scan# 571
 Delta R.T. -0.006 min
 Lab File: BF136083.D
 Acq: 01 Nov 2023 18:30

Tgt Ion:112 Resp: 351502
 Ion Ratio Lower Upper
 112 100
 64 58.2 43.9 65.9
 63 29.3 22.4 33.6

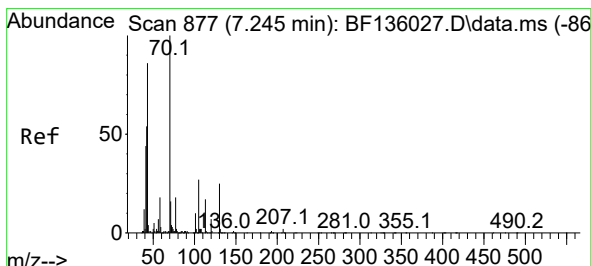
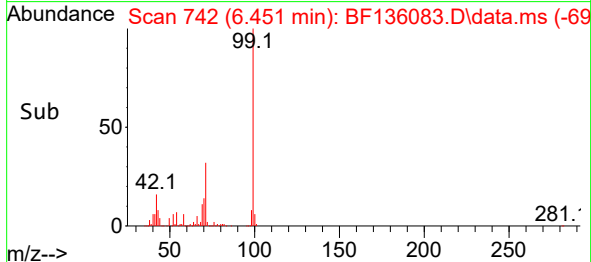
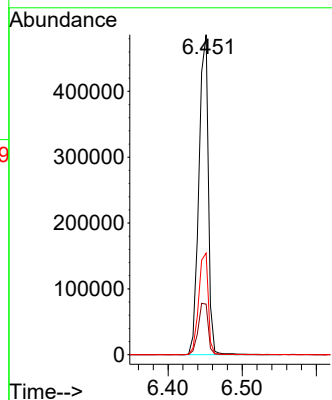
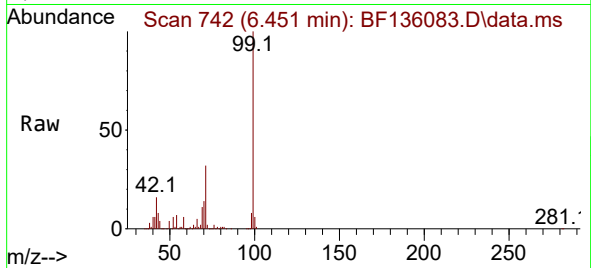




#7
Phenol-d6
Concen: 40.504 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

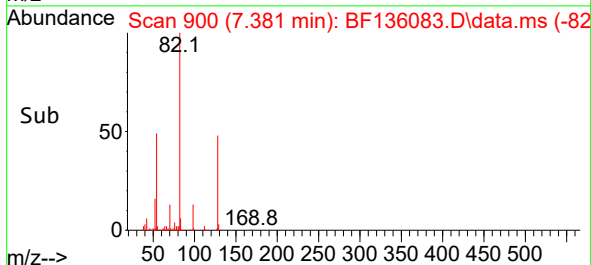
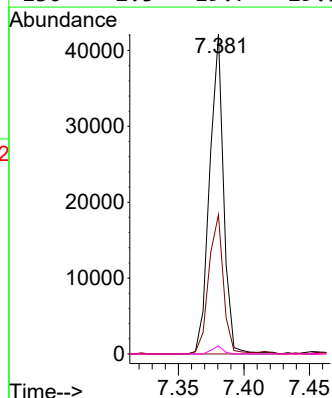
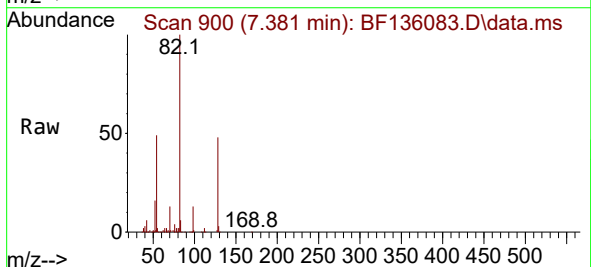
Instrument :
BNA_F
ClientSampleId :
WC-3DL

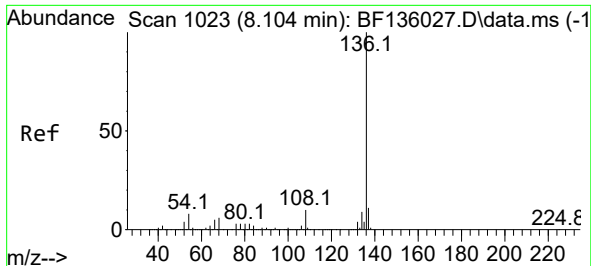
Tgt Ion: 99 Resp: 428073
Ion Ratio Lower Upper
99 100
42 15.8 13.7 20.5
71 31.8 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.202 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

Tgt Ion: 70 Resp: 31411
Ion Ratio Lower Upper
70 100
42 43.5 43.0 64.4
101 0.0 8.0 12.0#
130 2.5 19.7 29.5#

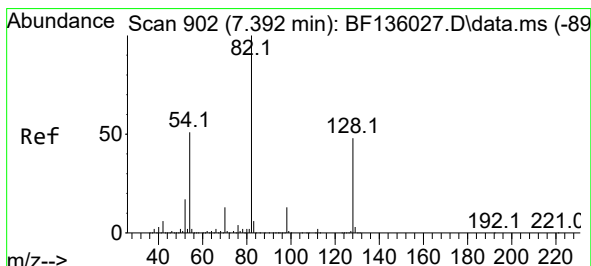
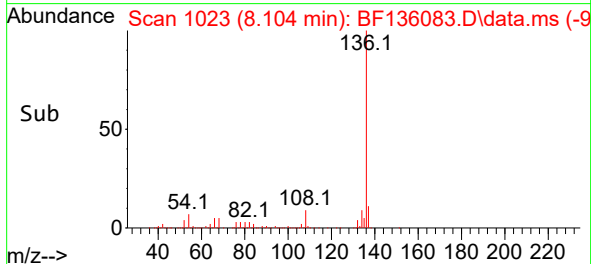
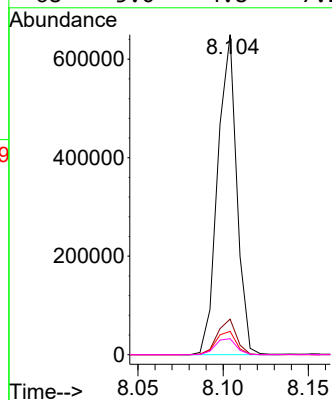
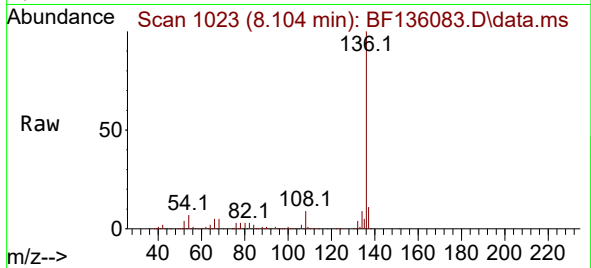




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

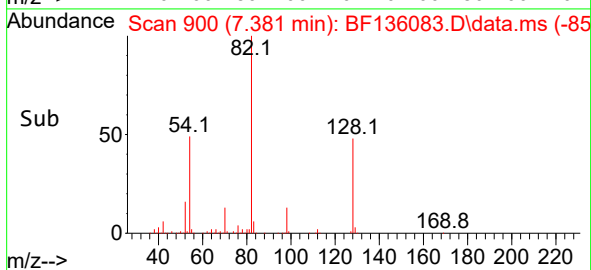
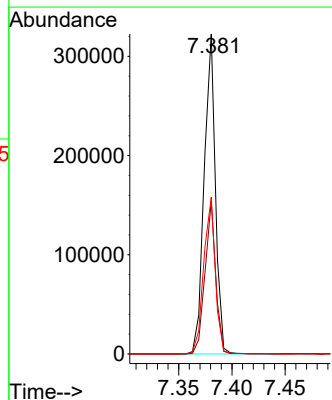
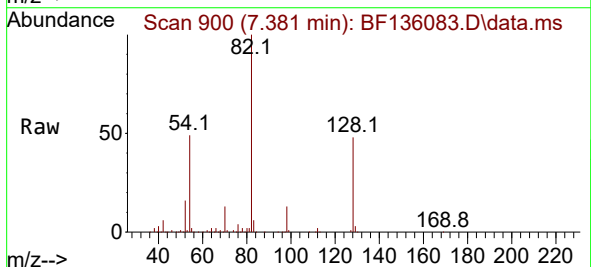
Instrument :
BNA_F
ClientSampleId :
WC-3DL

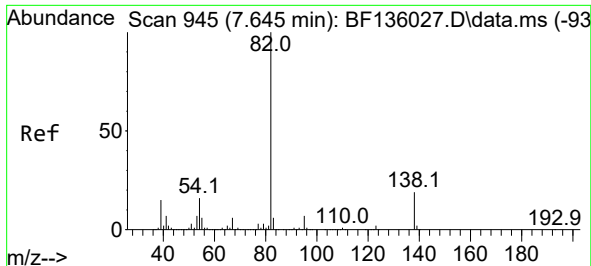
Tgt Ion:136 Resp: 505093
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.3 6.6 9.8
68 5.0 4.8 7.2



#23
Nitrobenzene-d5
Concen: 28.335 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

Tgt Ion: 82 Resp: 237410
Ion Ratio Lower Upper
82 100
128 47.9 38.6 57.8
54 48.9 40.8 61.2

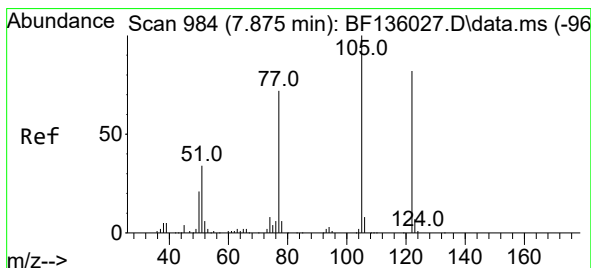
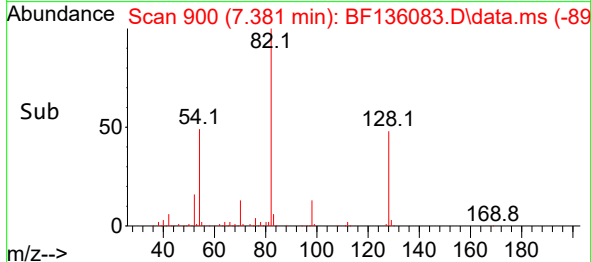
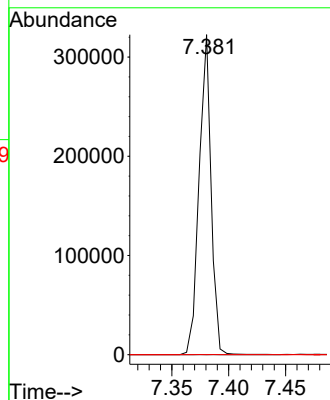
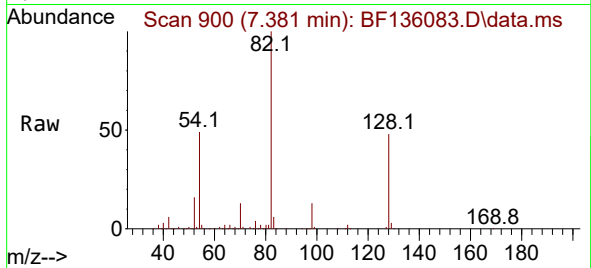




#25
Isophorone
Concen: 15.009 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

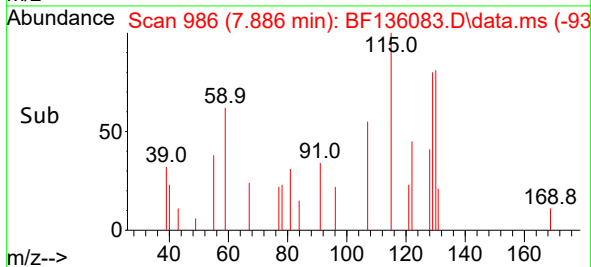
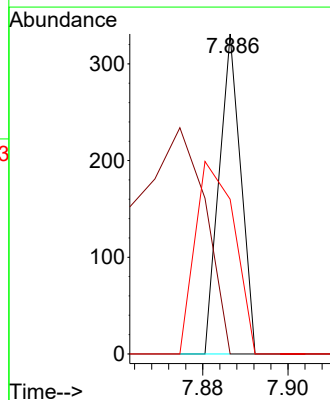
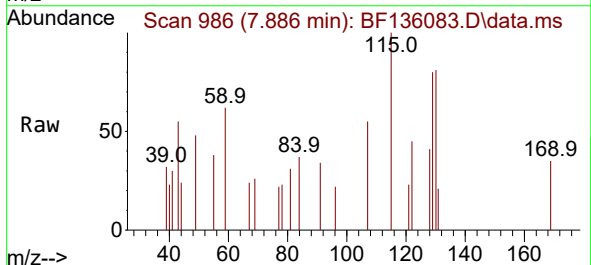
Instrument :
BNA_F
ClientSampleId :
WC-3DL

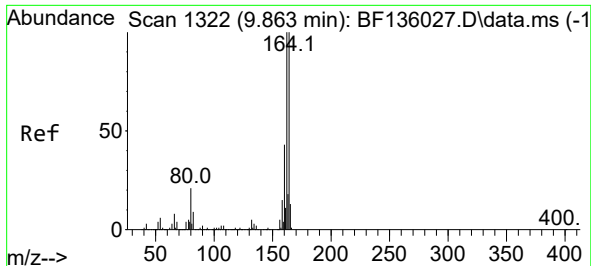
Tgt Ion: 82 Resp: 237408
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.132 ng
RT: 7.886 min Scan# 986
Delta R.T. 0.011 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

Tgt Ion:122 Resp: 117
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 48.3 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

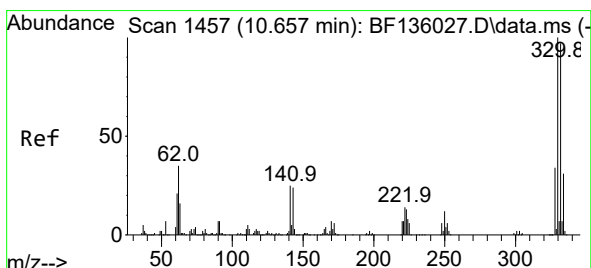
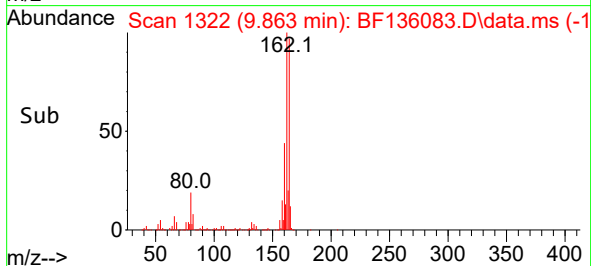
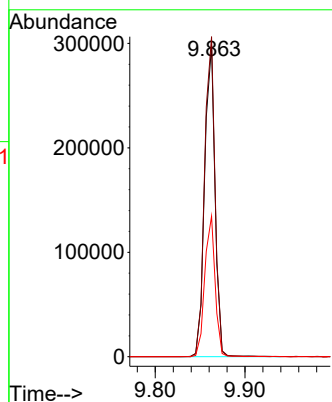
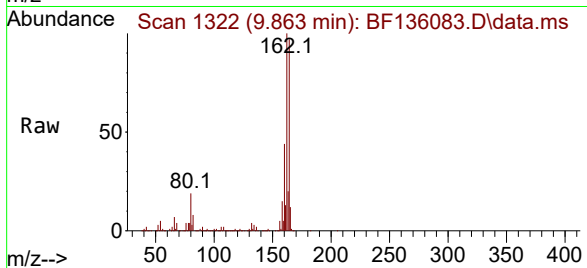
Tgt Ion:164 Resp: 239833

Ion Ratio Lower Upper

164 100

162 102.9 80.1 120.1

160 45.2 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 35.646 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

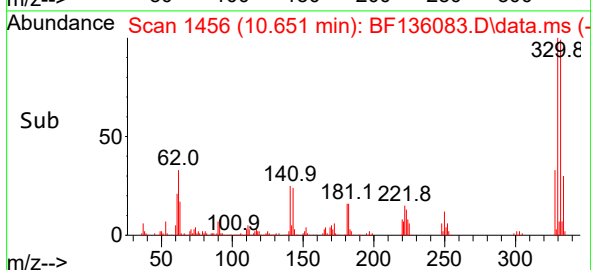
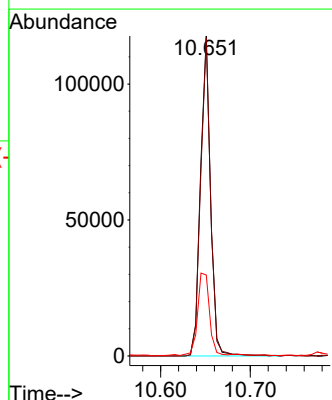
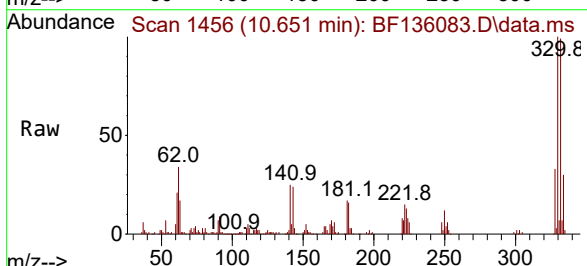
Tgt Ion:330 Resp: 91252

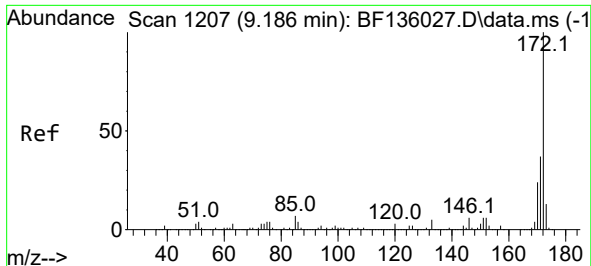
Ion Ratio Lower Upper

330 100

332 98.4 76.9 115.3

141 31.4 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 30.440 ng

RT: 9.180 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

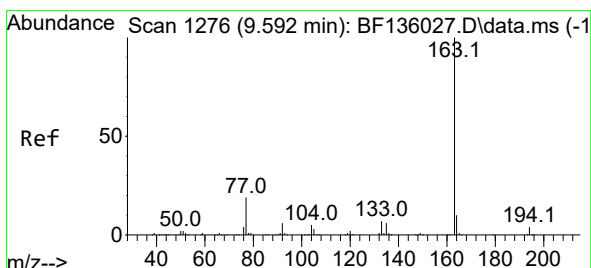
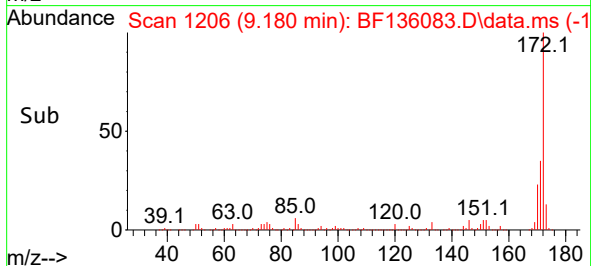
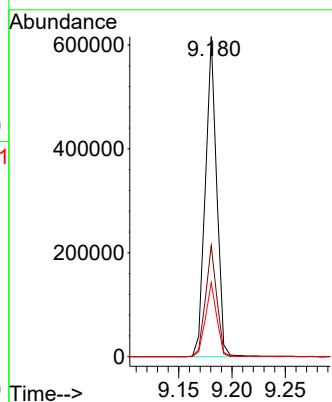
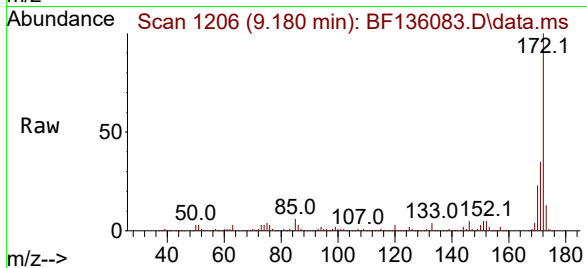
Tgt Ion:172 Resp: 457975

Ion Ratio Lower Upper

172 100

171 34.7 29.4 44.0

170 23.1 19.3 28.9



#50

Dimethylphthalate

Concen: 3.141 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.271 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

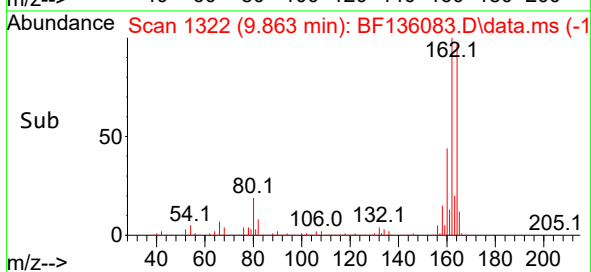
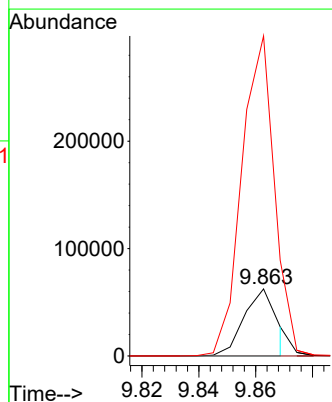
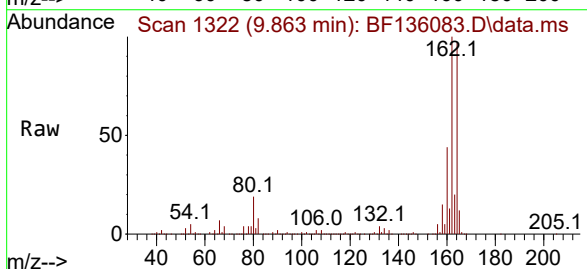
Tgt Ion:163 Resp: 49695

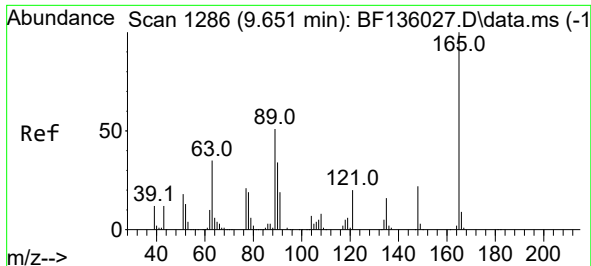
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 477.2 8.1 12.1#

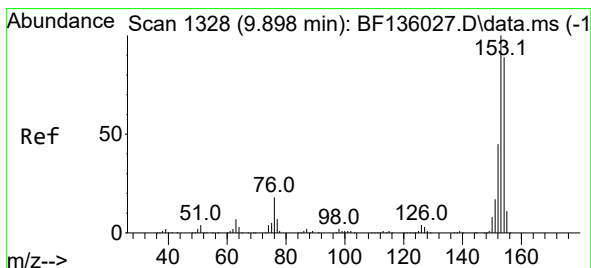
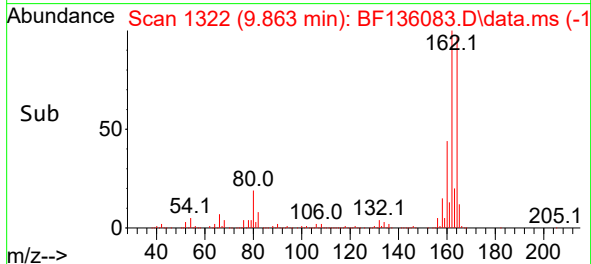
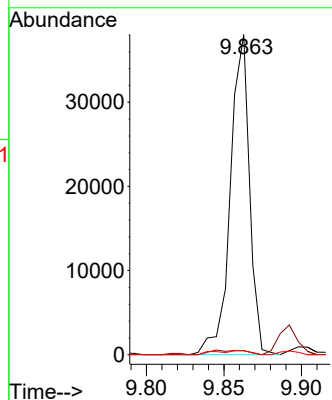
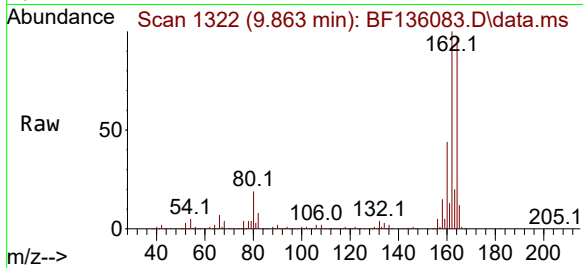




#51
2,6-Dinitrotoluene
Concen: 9.670 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

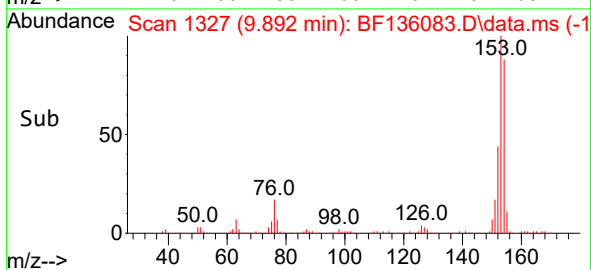
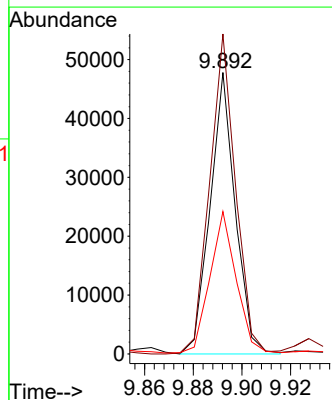
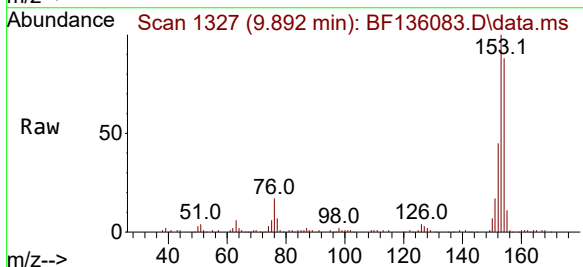
Instrument :
BNA_F
ClientSampleId :
WC-3DL

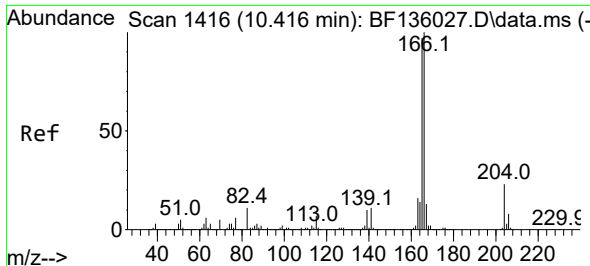
Tgt Ion:165 Resp: 32719
Ion Ratio Lower Upper
165 100
63 1.2 40.8 61.2#
89 1.3 41.1 61.7#



#52
Acenaphthene
Concen: 2.571 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

Tgt Ion:154 Resp: 34368
Ion Ratio Lower Upper
154 100
153 113.7 89.9 134.9
152 50.6 40.2 60.2

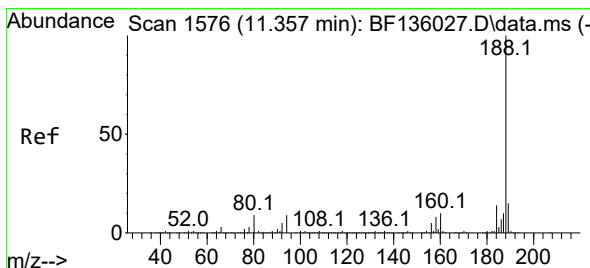
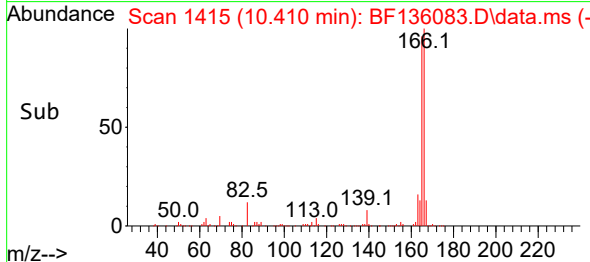
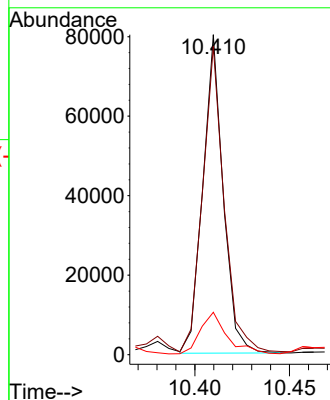
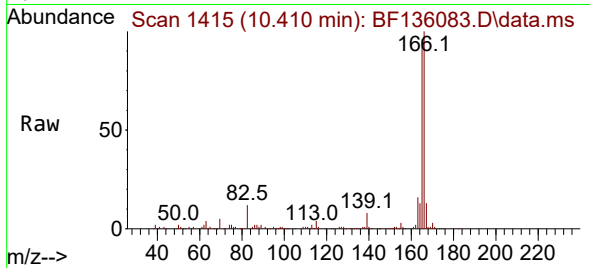




#58
Fluorene
Concen: 4.108 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

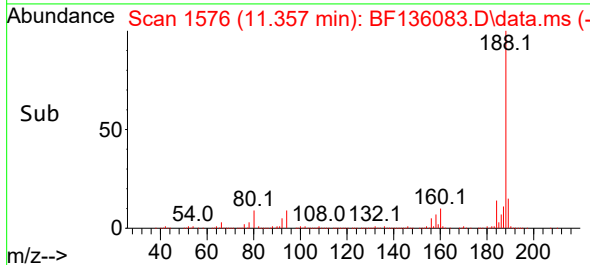
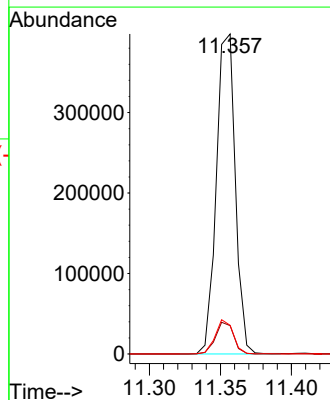
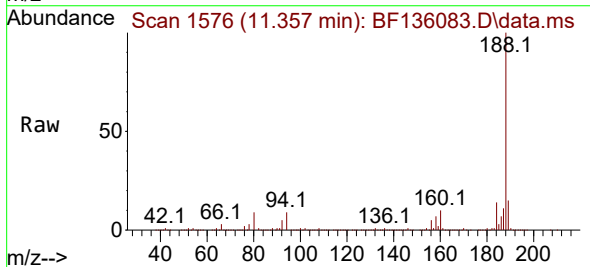
Instrument :
BNA_F
ClientSampleId :
WC-3DL

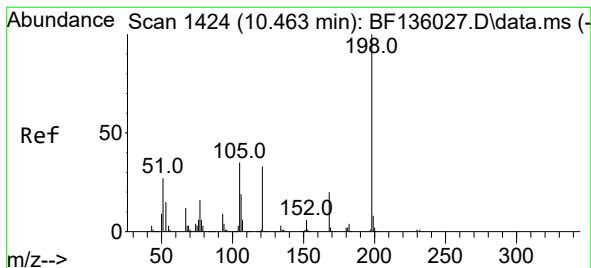
Tgt Ion:166 Resp: 59944
Ion Ratio Lower Upper
166 100
165 96.4 77.7 116.5
167 13.3 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

Tgt Ion:188 Resp: 368173
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 9.0 7.4 11.0

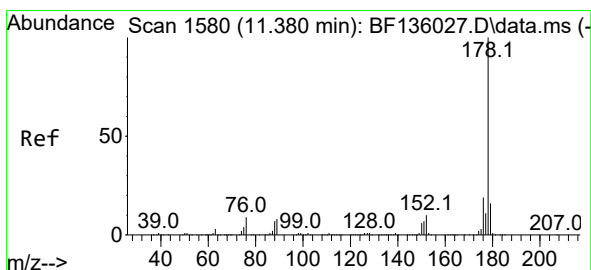
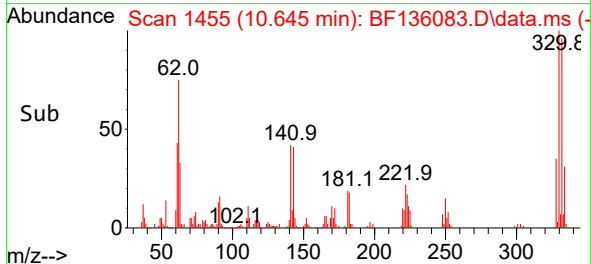
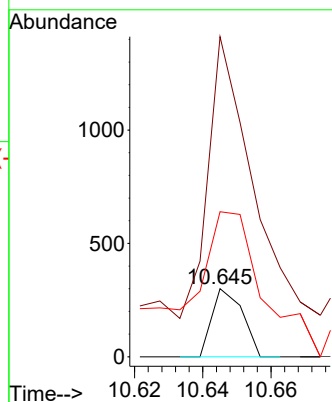
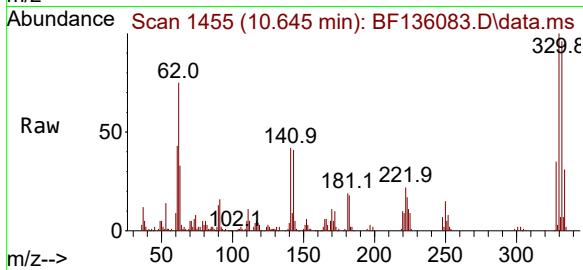




#65
4,6-Dinitro-2-methylphenol
Concen: 5.872 ng
RT: 10.645 min Scan# 1424
Delta R.T. 0.182 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

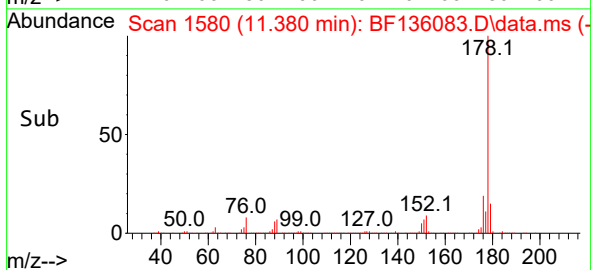
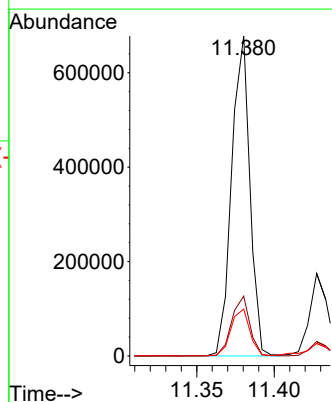
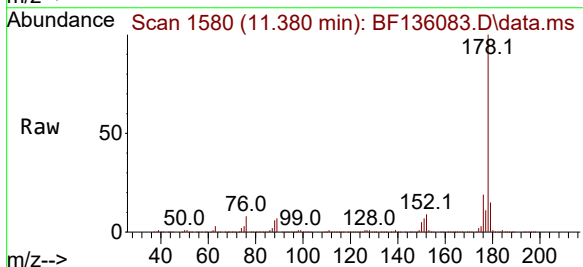
Instrument :
BNA_F
ClientSampleId :
WC-3DL

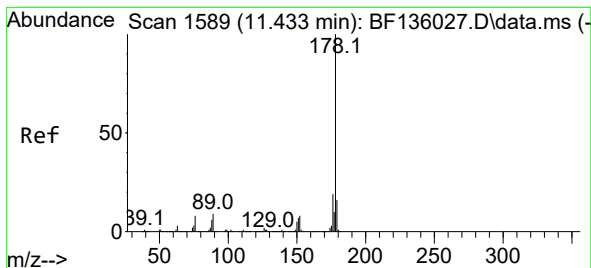
Tgt Ion:198 Resp: 186
Ion Ratio Lower Upper
198 100
51 470.7 12.9 52.9#
105 213.3 16.0 56.0#



#71
Phenanthrene
Concen: 29.880 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136083.D
Acq: 01 Nov 2023 18:30

Tgt Ion:178 Resp: 553901
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.6 12.9 19.3





#72

Anthracene

Concen: 7.114 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

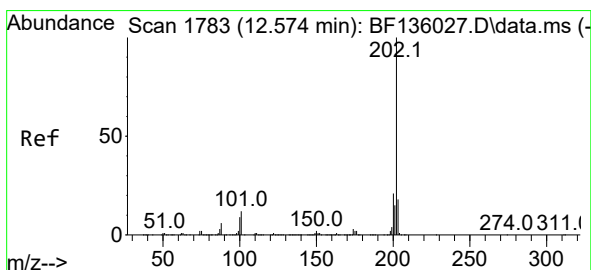
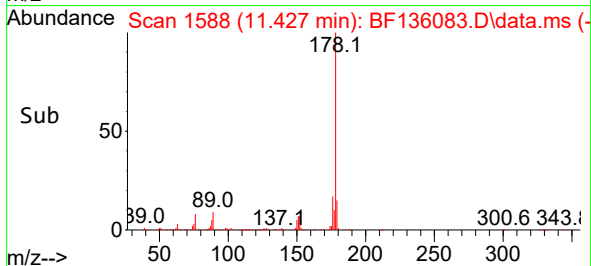
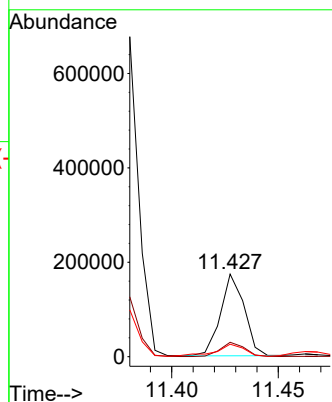
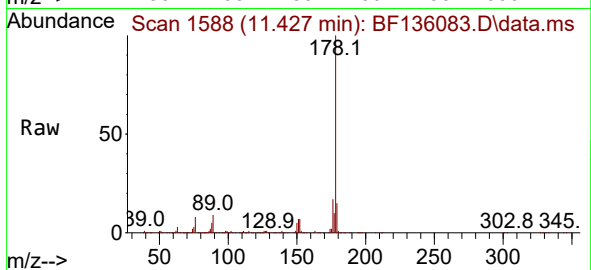
Tgt Ion:178 Resp: 135138

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.4

179 15.1 12.6 18.8



#75

Fluoranthene

Concen: 39.121 ng

RT: 12.574 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

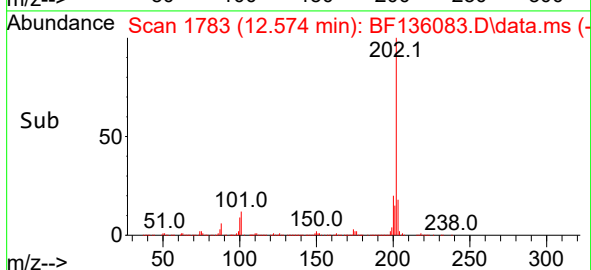
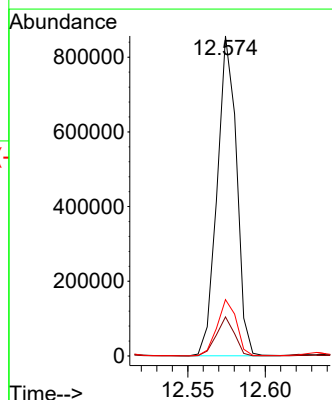
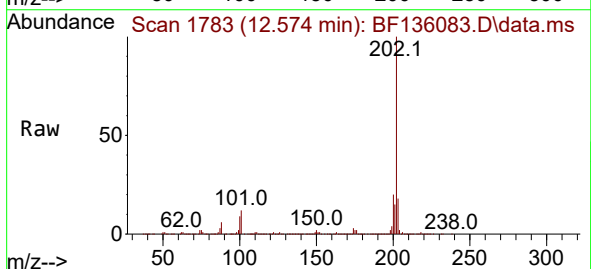
Tgt Ion:202 Resp: 745019

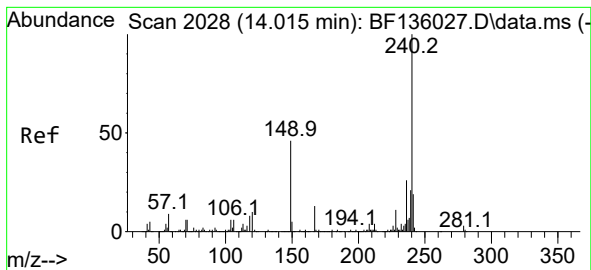
Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.8

203 17.6 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

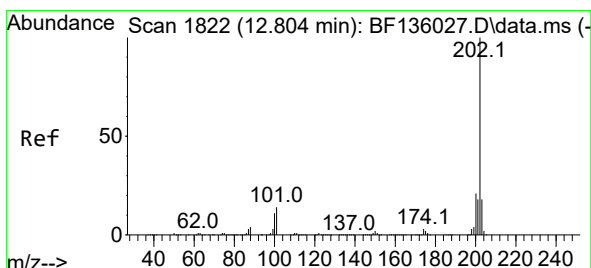
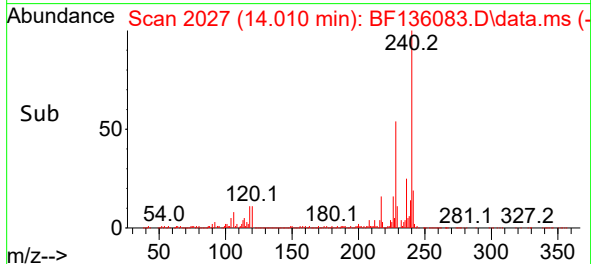
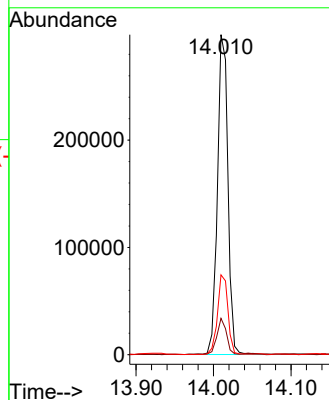
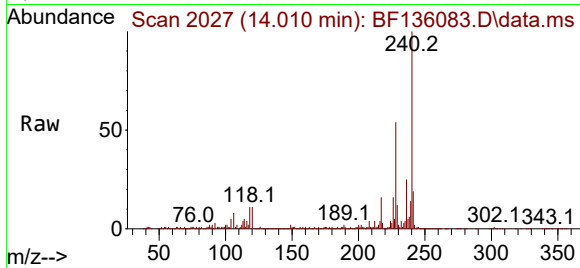
Tgt Ion:240 Resp: 279646

Ion Ratio Lower Upper

240 100

120 11.4 7.6 11.4

236 25.0 20.6 31.0



#78

Pyrene

Concen: 27.301 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

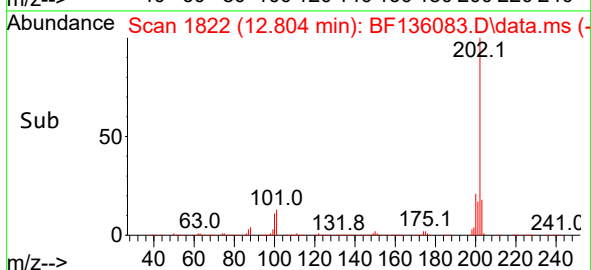
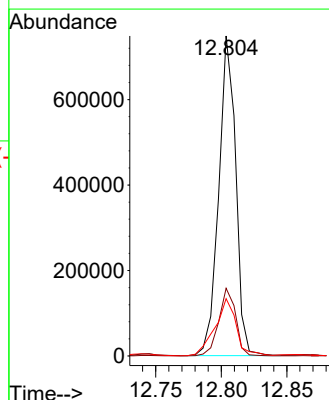
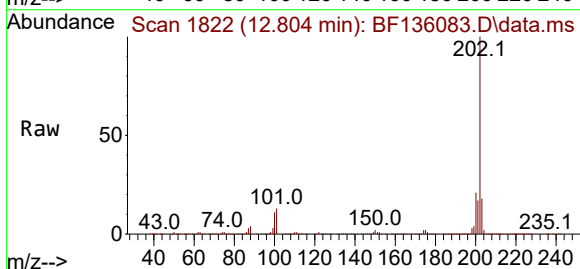
Tgt Ion:202 Resp: 673109

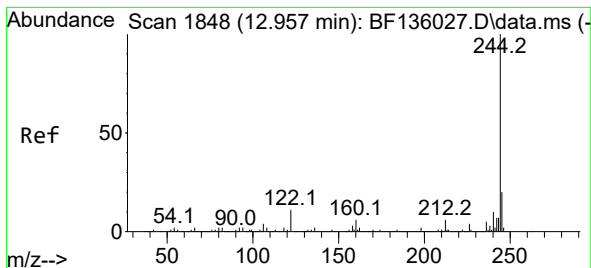
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 19.757 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

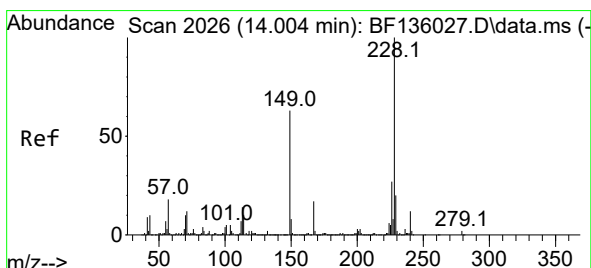
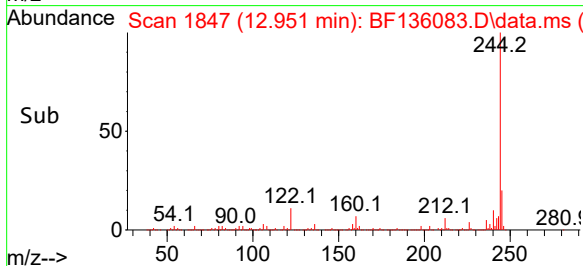
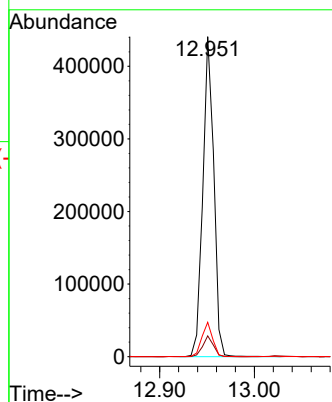
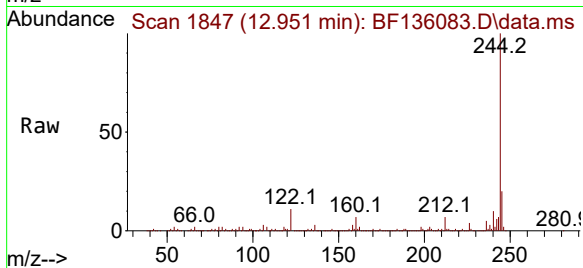
Tgt Ion:244 Resp: 355529

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 10.8 8.6 12.8



#81

Benzo(a)anthracene

Concen: 20.138 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

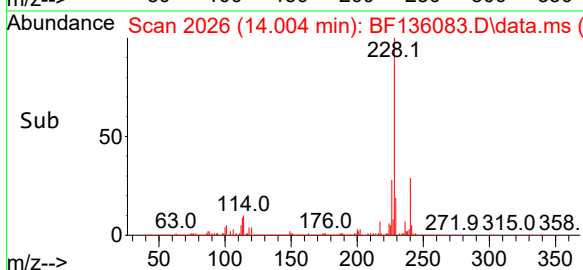
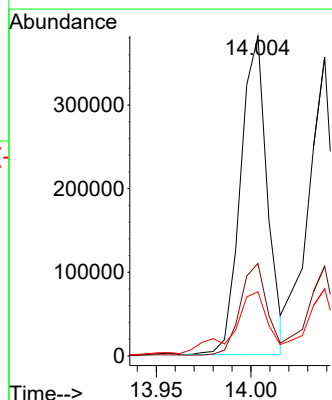
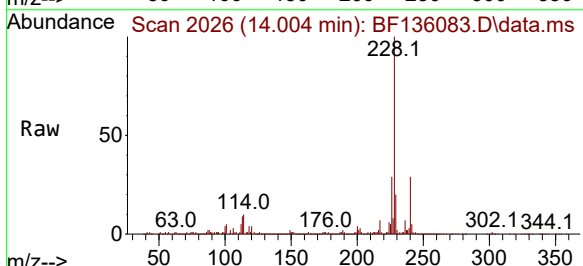
Tgt Ion:228 Resp: 372826

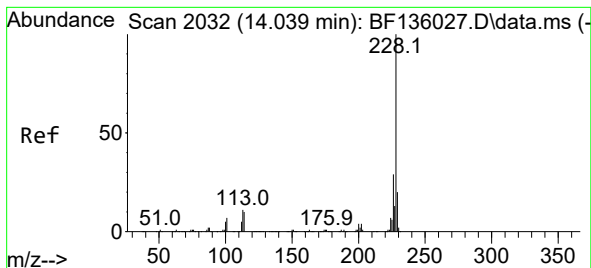
Ion Ratio Lower Upper

228 100

226 28.9 21.5 32.3

229 20.1 15.8 23.6





#83

Chrysene

Concen: 18.182 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

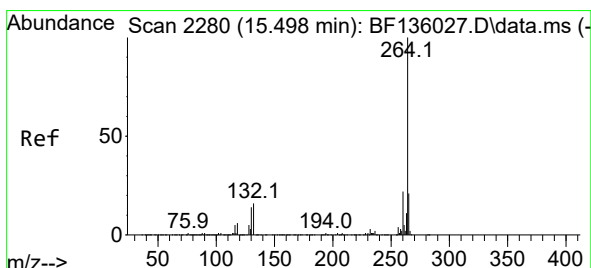
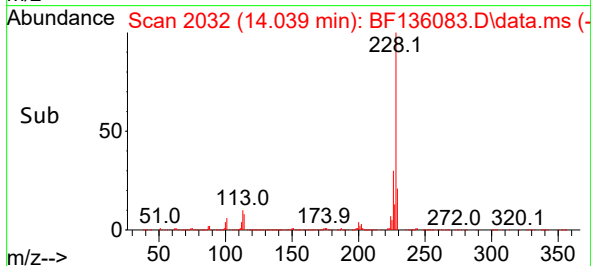
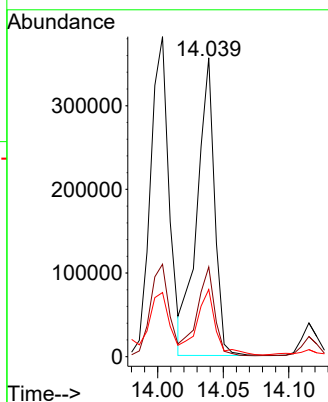
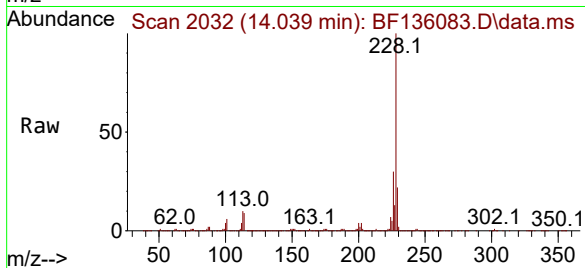
Tgt Ion:228 Resp: 331496

Ion Ratio Lower Upper

228 100

226 30.0 23.5 35.3

229 22.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

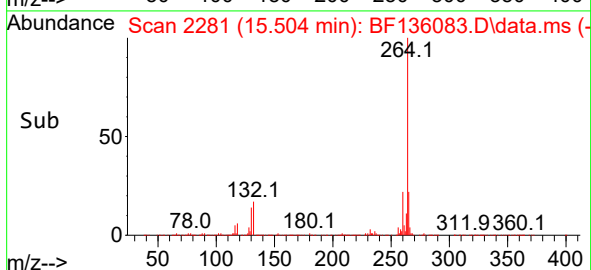
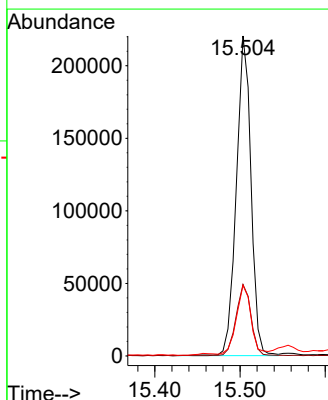
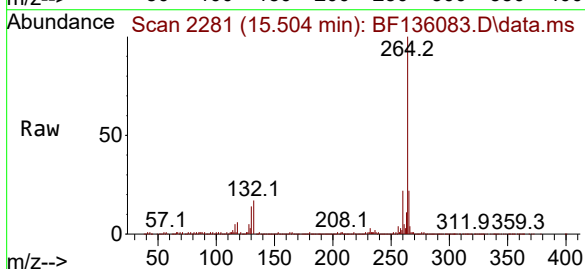
Tgt Ion:264 Resp: 262472

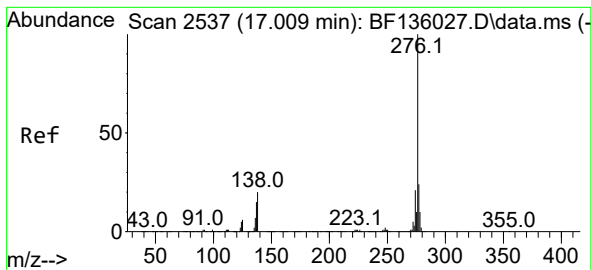
Ion Ratio Lower Upper

264 100

260 22.3 17.9 26.9

265 22.1 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.955 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

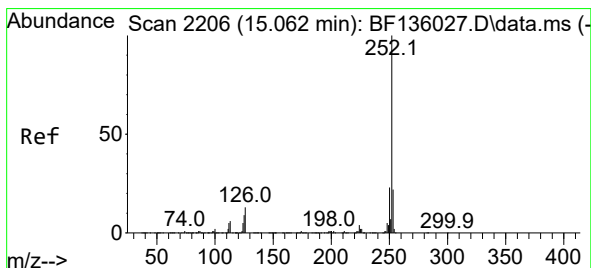
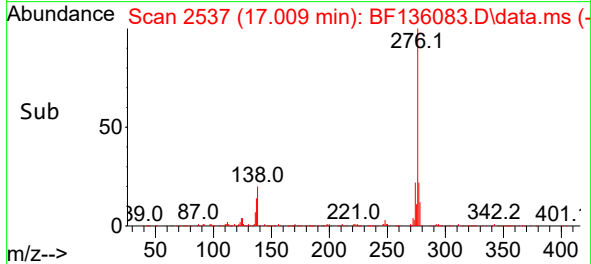
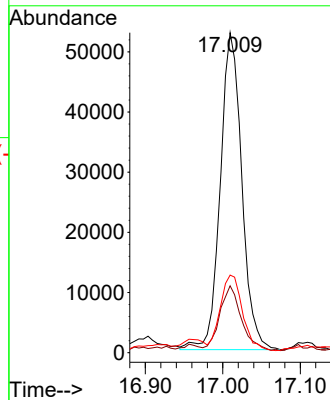
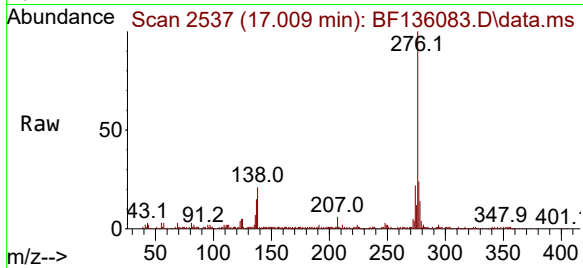
Tgt Ion:276 Resp: 102148

Ion Ratio Lower Upper

276 100

138 20.5 20.4 30.6

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 29.902 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

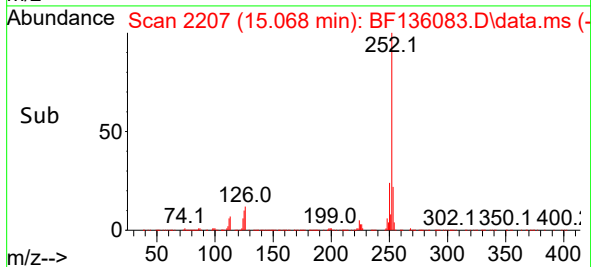
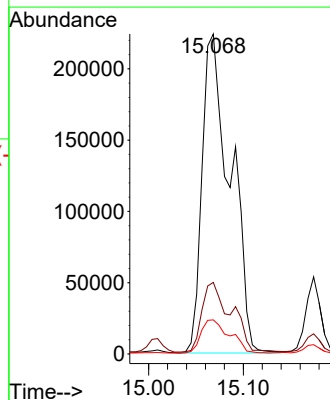
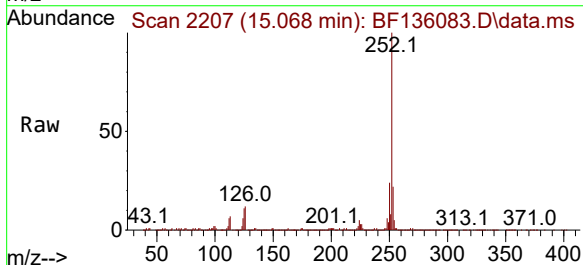
Tgt Ion:252 Resp: 464399

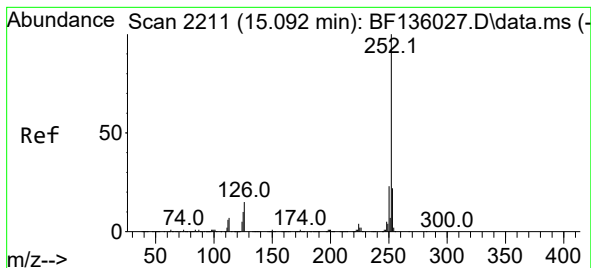
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.7 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 30.221 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

Instrument :

BNA_F

ClientSampleId :

WC-3DL

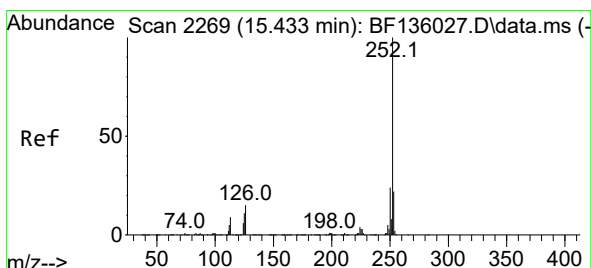
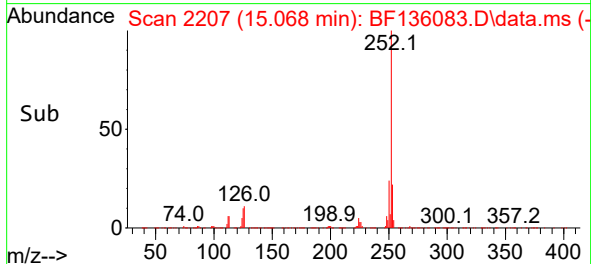
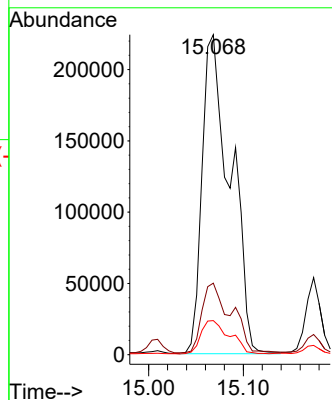
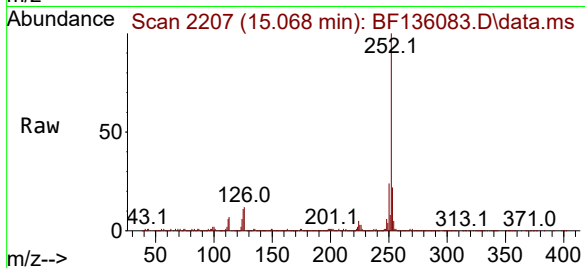
Tgt Ion:252 Resp: 464399

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 10.7 8.0 12.0



#90

Benzo(a)pyrene

Concen: 16.257 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF136083.D

Acq: 01 Nov 2023 18:30

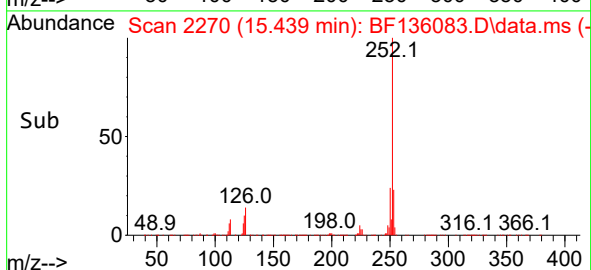
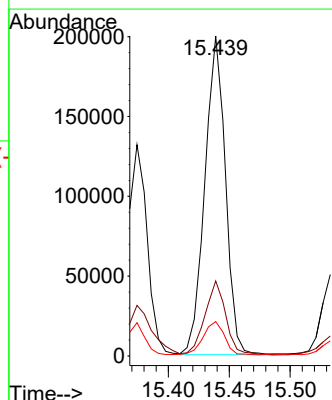
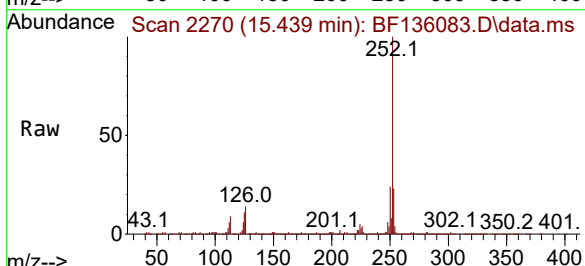
Tgt Ion:252 Resp: 234596

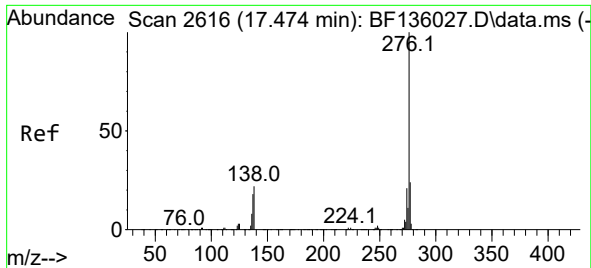
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

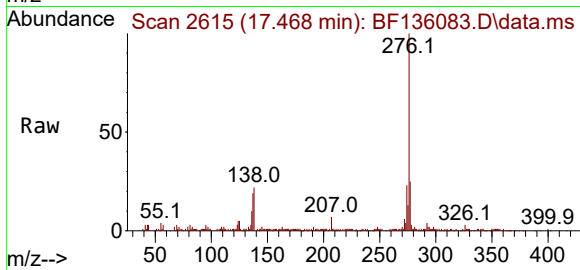
125 10.8 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 8.166 ng
 RT: 17.468 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF136083.D
 Acq: 01 Nov 2023 18:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-3DL



Tgt Ion:	276	Resp:	89737
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.0	28.4
138	21.8	17.4	26.2

