

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136038.D
 Acq On : 30 Oct 2023 20:33
 Operator : CG\JU
 Sample : 05073-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102523

Quant Time: Oct 31 01:41:51 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)

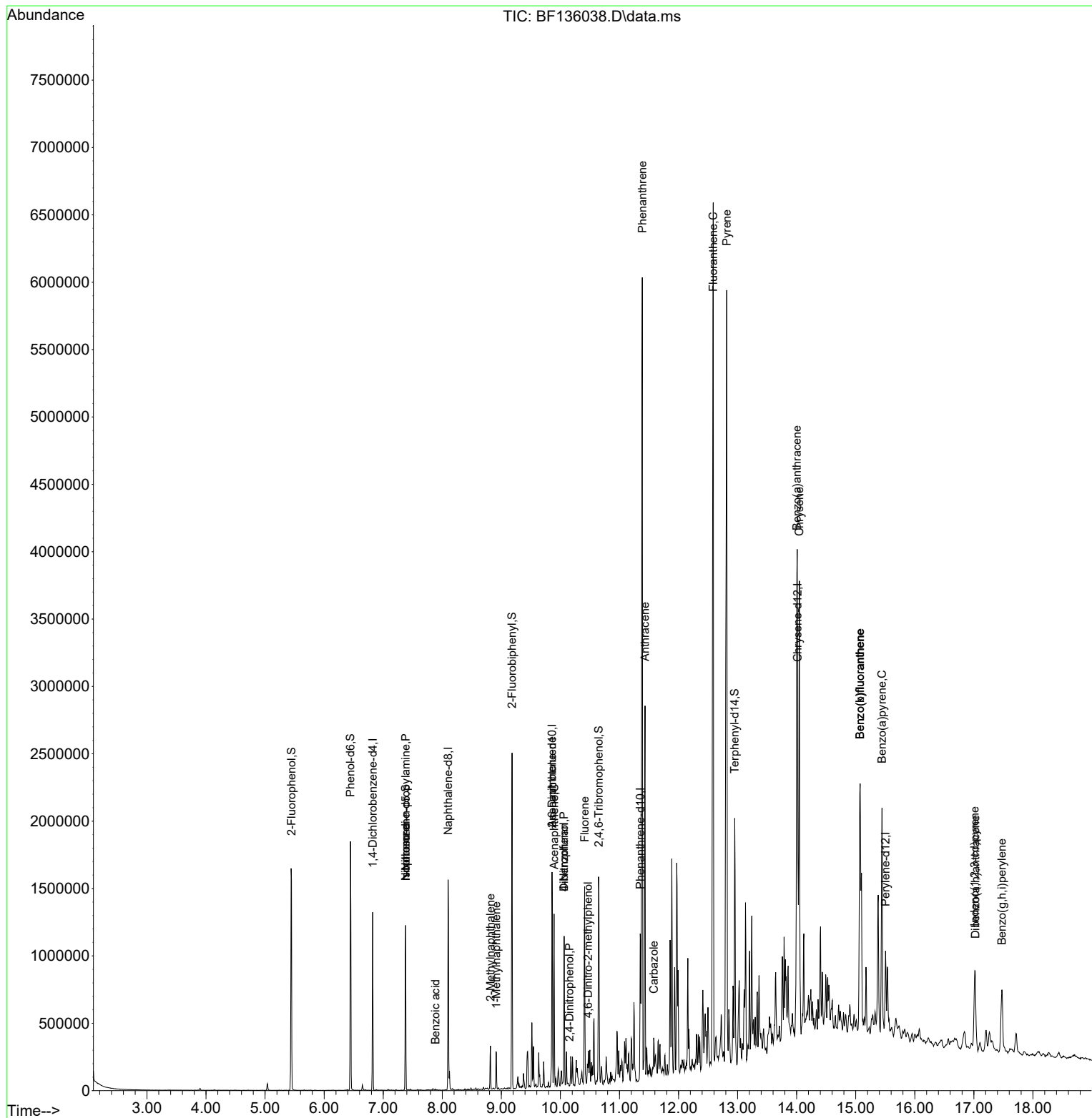
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	169723	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	644736	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	308856	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	464985	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	337383	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	267287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	468021	43.333	ng	0.00
7) Phenol-d6	6.446	99	584590	43.441	ng	-0.01
23) Nitrobenzene-d5	7.381	82	335786	31.396	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	131116	39.772	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	656870	33.903	ng	0.00
79) Terphenyl-d14	12.951	244	584483	26.922	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	43131	5.609	ng	# 79
25) Isophorone	7.381	82	335838	16.633	ng	# 64
32) Benzoic acid	7.887	122	427	5.165	ng	# 18
37) 2-Methylnaphthalene	8.816	142	78648	3.773	ng	98
38) 1-Methylnaphthalene	8.916	142	71359	3.678	ng	99
51) 2,6-Dinitrotoluene	9.857	165	44396	10.189	ng	# 29
52) Acenaphthene	9.892	154	240925	13.996	ng	98
54) 2,4-Dinitrophenol	10.151	184	242	8.070	ng	90
55) Dibenzofuran	10.063	168	317386	12.645	ng	96
56) 4-Nitrophenol	10.063	139	118408	31.135	ng	# 16
58) Fluorene	10.410	166	342915	18.247	ng	97
65) 4,6-Dinitro-2-methylph...	10.469	198	79	5.818	ng	# 1
71) Phenanthrene	11.386	178	2516214	107.475	ng	99
72) Anthracene	11.433	178	1005993	41.933	ng	100
73) Carbazole	11.580	167	100013	4.797	ng	98
75) Fluoranthene	12.586	202	3116329	129.569	ng	99
78) Pyrene	12.816	202	2846418	95.693	ng	99
81) Benzo(a)anthracene	14.004	228	1581118	70.789	ng	97
83) Chrysene	14.045	228	1298325	59.024	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	454274	26.005	ng	95
88) Benzo(b)fluoranthene	15.074	252	1650937	104.385	ng	97
89) Benzo(k)fluoranthene	15.074	252	1650937	105.499	ng	97
90) Benzo(a)pyrene	15.445	252	873412	59.435	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	110320	7.710	ng	93
92) Benzo(g,h,i)perylene	17.474	276	412015	26.660	ng	98

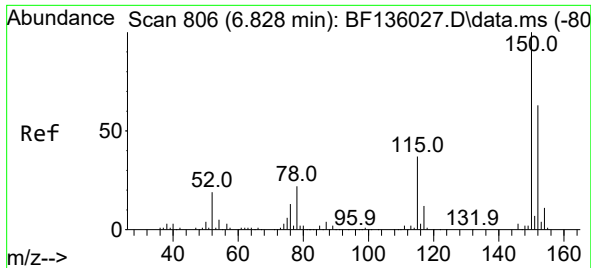
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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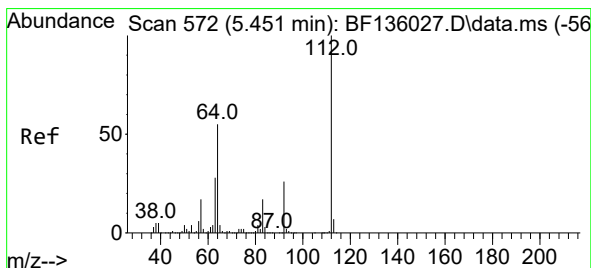
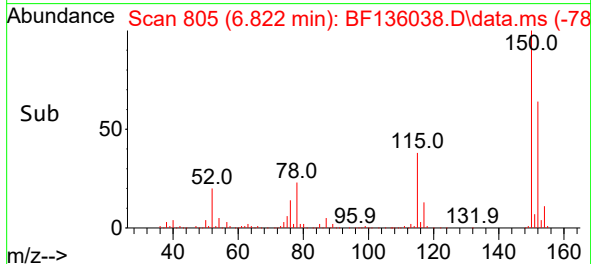
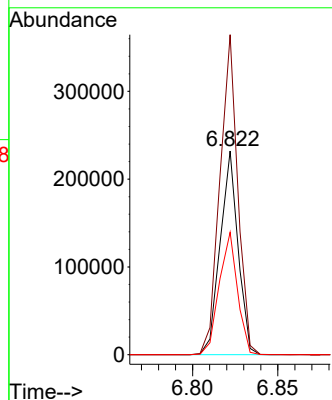
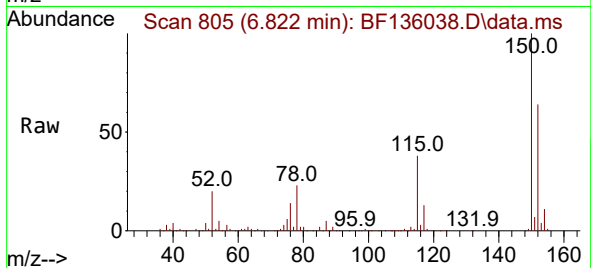




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

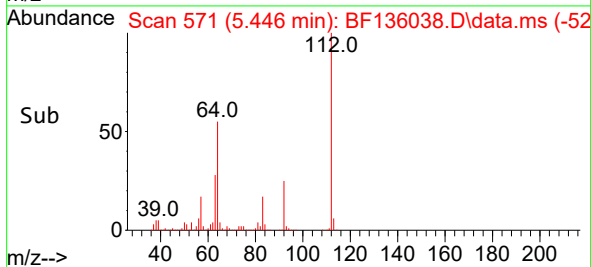
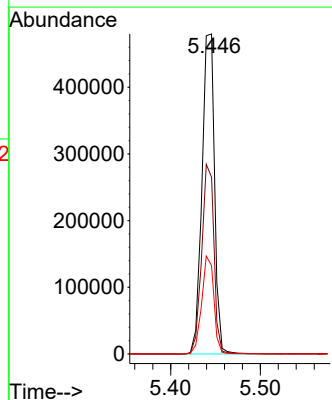
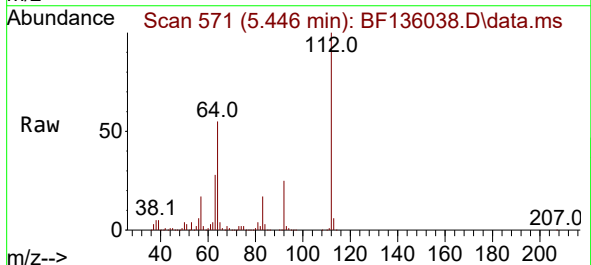
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

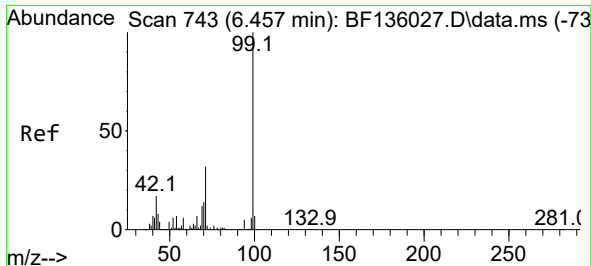
Tgt Ion:152 Resp: 169723
Ion Ratio Lower Upper
152 100
150 157.1 126.4 189.6
115 60.1 47.0 70.4



#5
2-Fluorophenol
Concen: 43.333 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:112 Resp: 468021
Ion Ratio Lower Upper
112 100
64 55.3 43.9 65.9
63 27.6 22.4 33.6

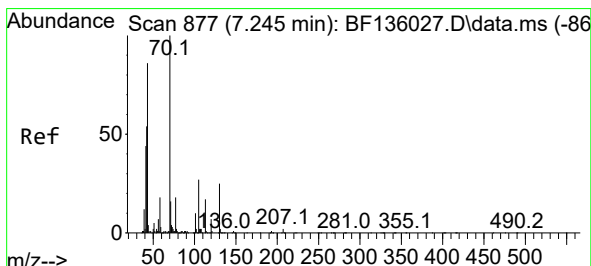
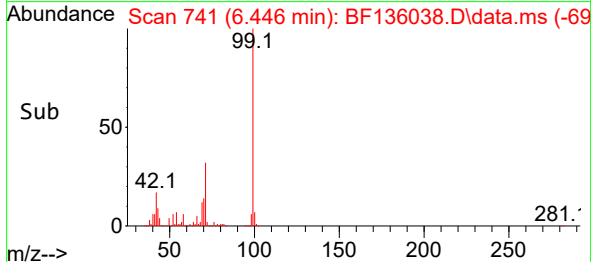
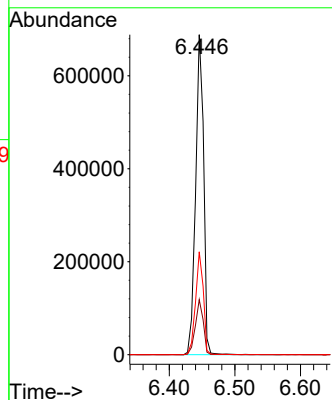
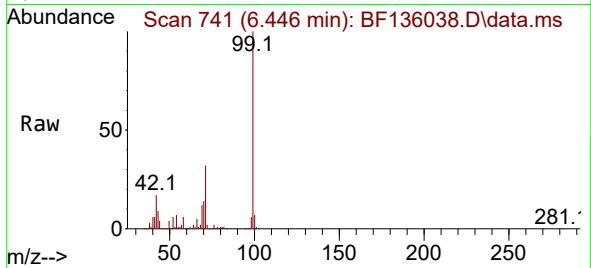




#7
Phenol-d6
Concen: 43.441 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

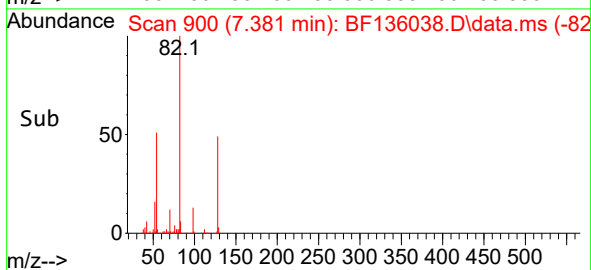
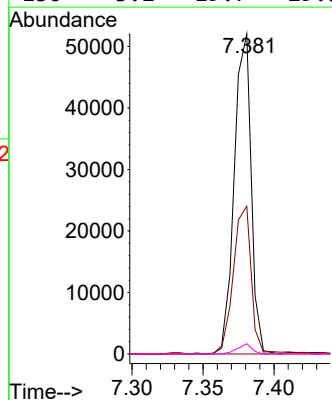
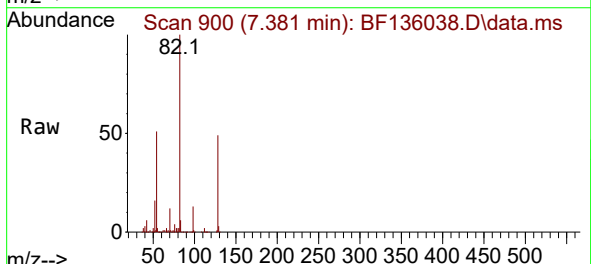
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

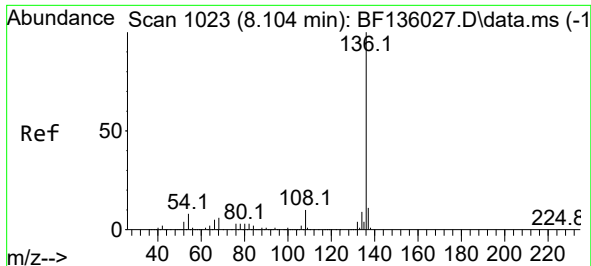
Tgt Ion: 99 Resp: 584590
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 32.1 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.609 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion: 70 Resp: 43131
Ion Ratio Lower Upper
70 100
42 46.2 43.0 64.4
101 0.0 8.0 12.0#
130 3.2 19.7 29.5#

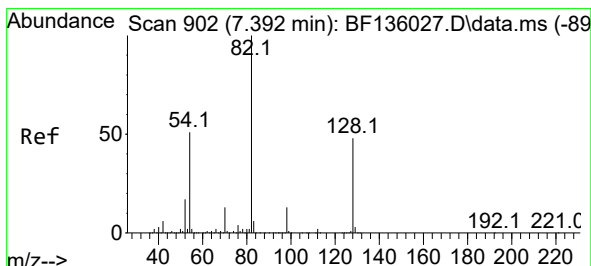
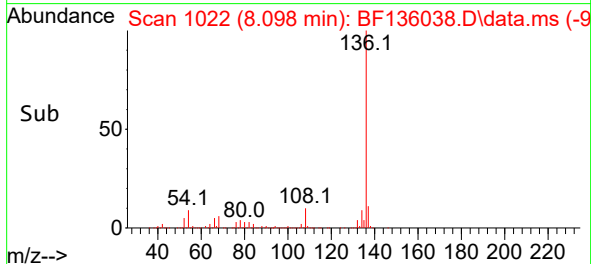
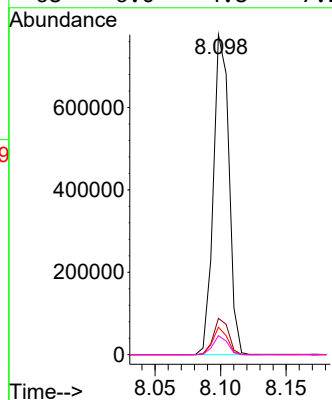
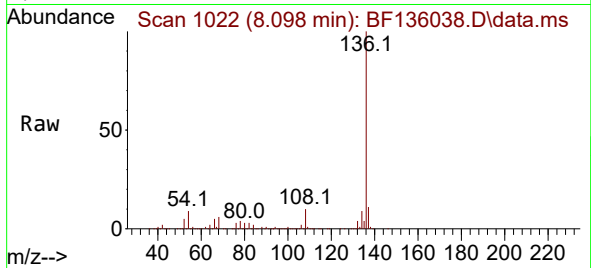




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

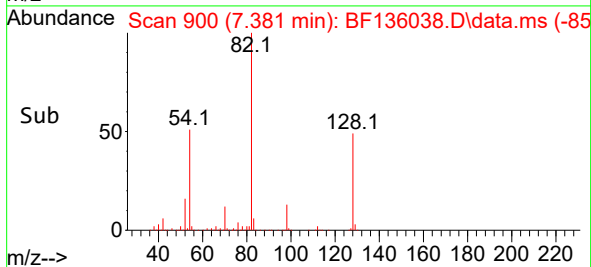
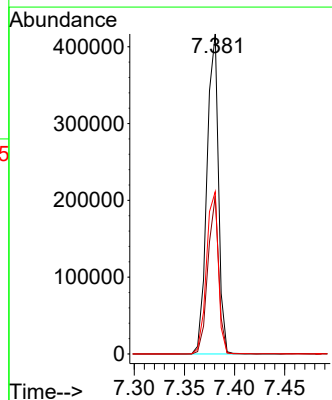
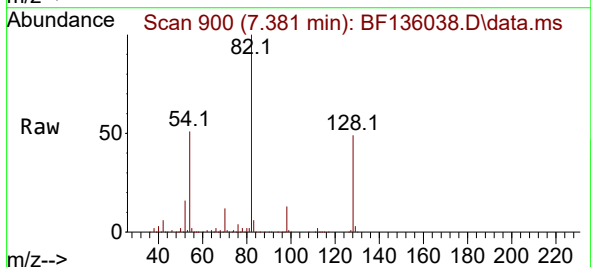
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

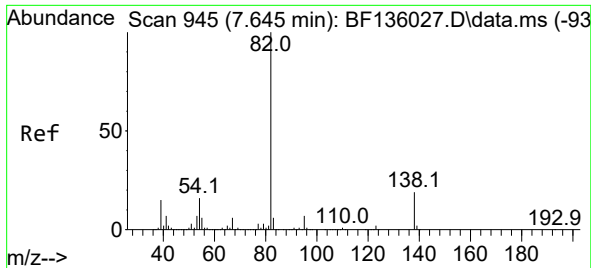
Tgt Ion:	136	Resp:	644736
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.6	6.6	9.8
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 31.396 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:	82	Resp:	335786
Ion	Ratio	Lower	Upper
82	100		
128	49.3	38.6	57.8
54	50.7	40.8	61.2

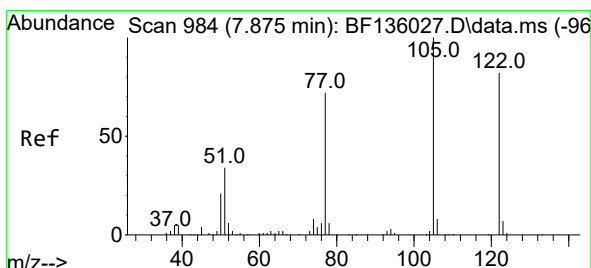
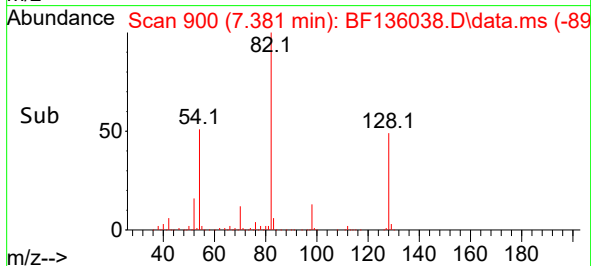
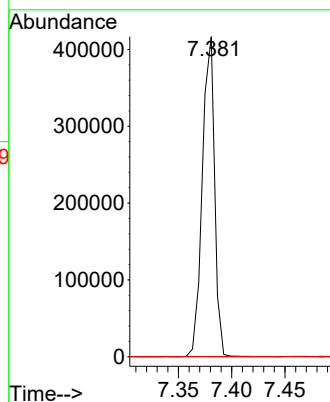
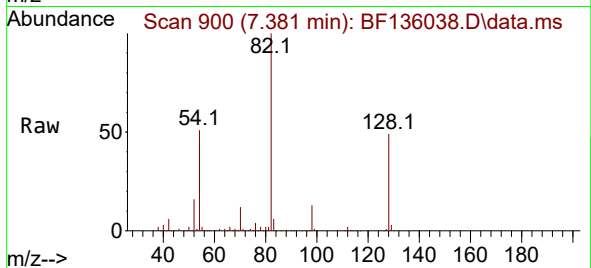




#25
Isophorone
Concen: 16.633 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.264 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

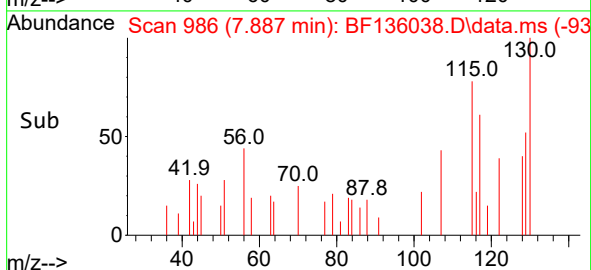
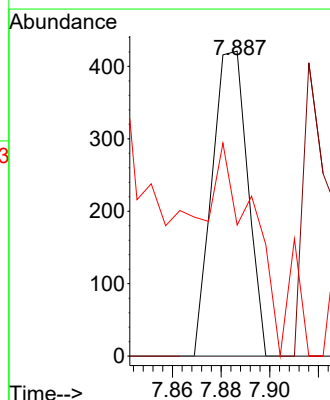
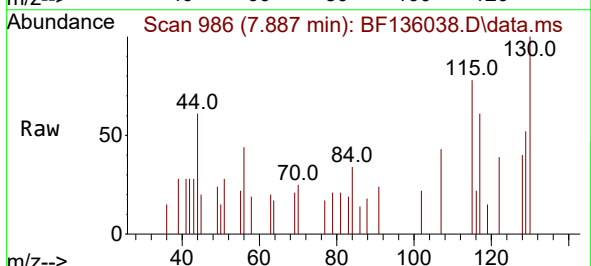
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

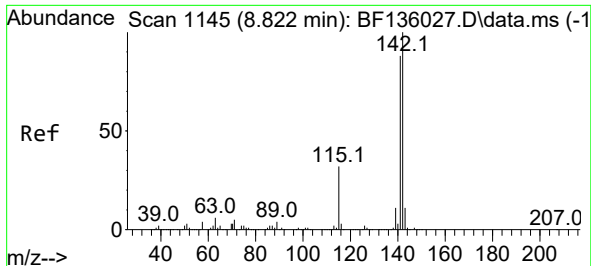
Tgt Ion: 82 Resp: 335838
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.165 ng
RT: 7.887 min Scan# 986
Delta R.T. 0.012 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:122 Resp: 427
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 43.0 66.8 106.8#





#37

2-Methylnaphthalene

Concen: 3.773 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

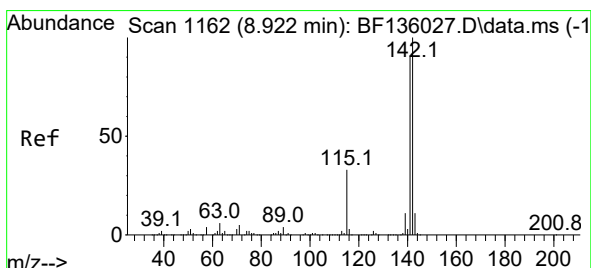
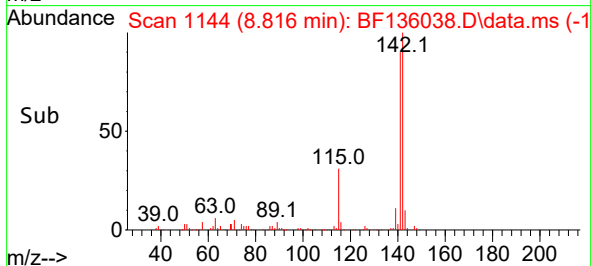
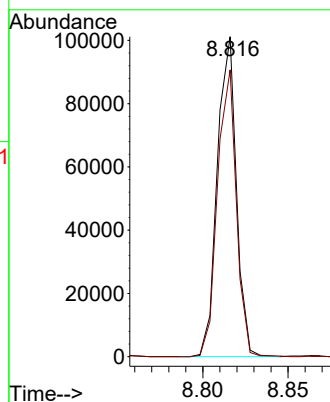
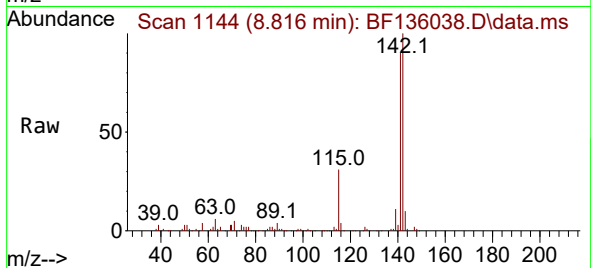
OR-02-102523

Tgt Ion:142 Resp: 78648

Ion Ratio Lower Upper

142 100

141 89.7 70.4 105.6



#38

1-Methylnaphthalene

Concen: 3.678 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136038.D

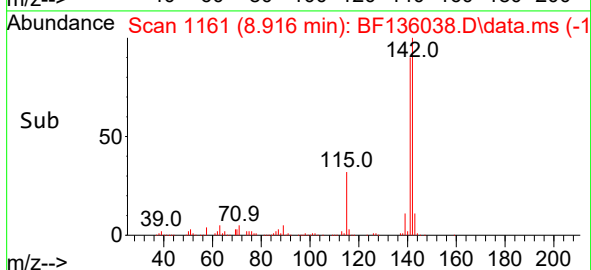
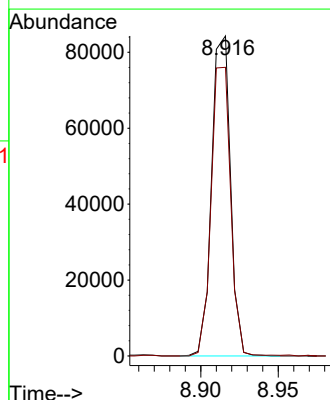
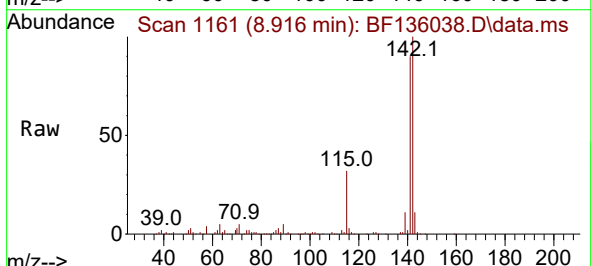
Acq: 30 Oct 2023 20:33

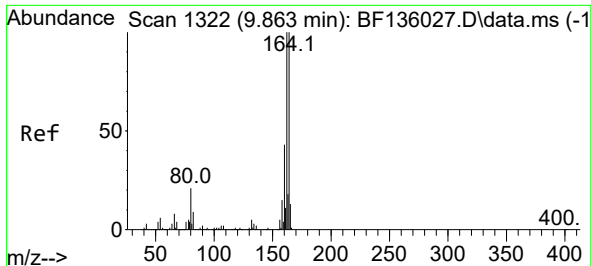
Tgt Ion:142 Resp: 71359

Ion Ratio Lower Upper

142 100

141 90.2 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

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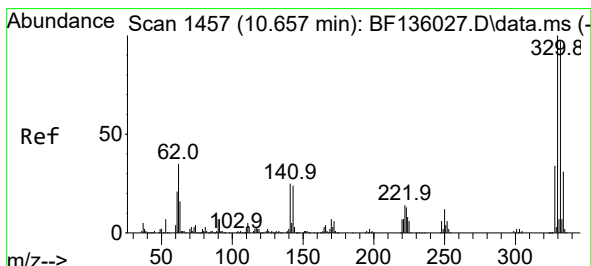
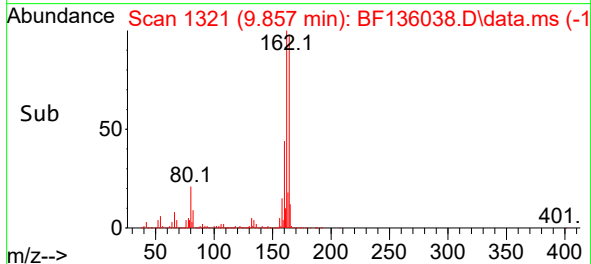
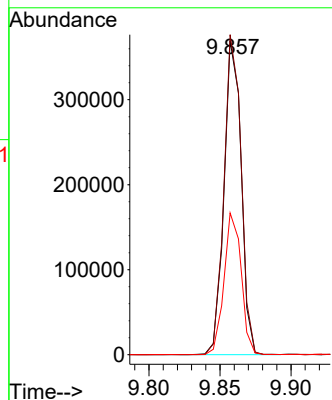
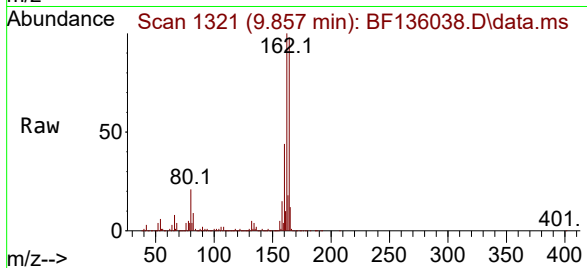
Tgt Ion:164 Resp: 308856

Ion Ratio Lower Upper

164 100

162 101.9 80.1 120.1

160 45.2 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 39.772 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

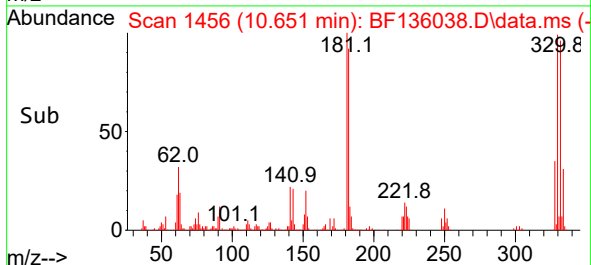
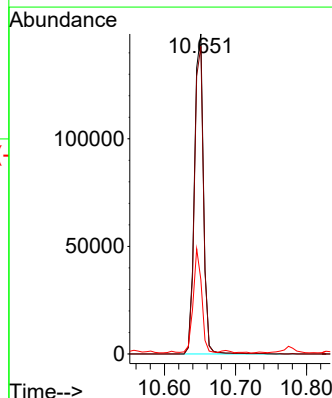
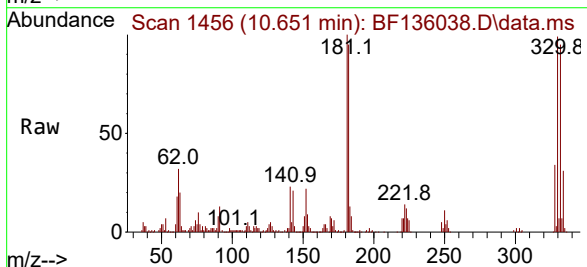
Tgt Ion:330 Resp: 131116

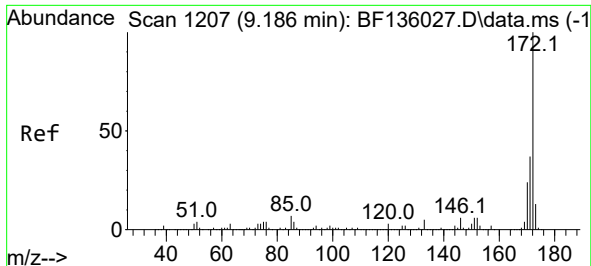
Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 30.2 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 33.903 ng

RT: 9.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

OR-02-102523

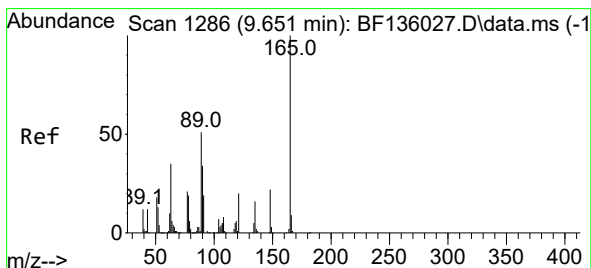
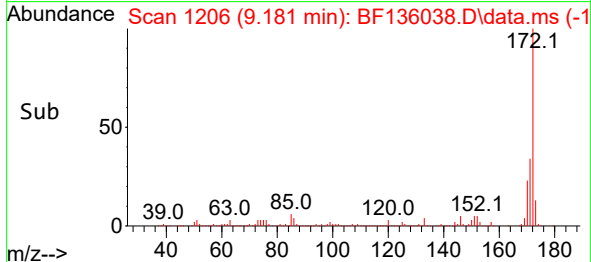
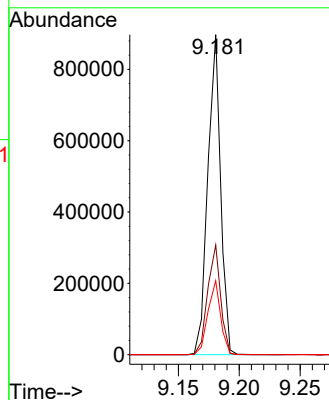
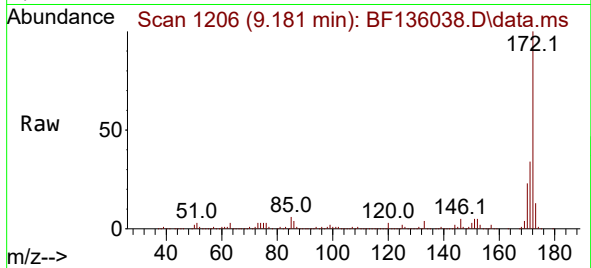
Tgt Ion:172 Resp: 656870

Ion Ratio Lower Upper

172 100

171 34.3 29.4 44.0

170 23.1 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 10.189 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.206 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

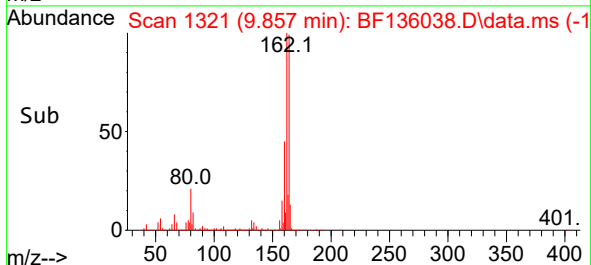
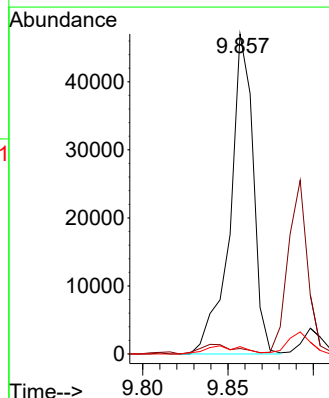
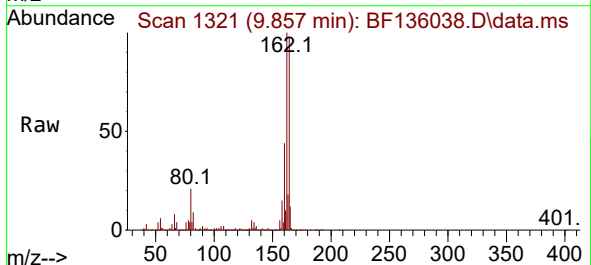
Tgt Ion:165 Resp: 44396

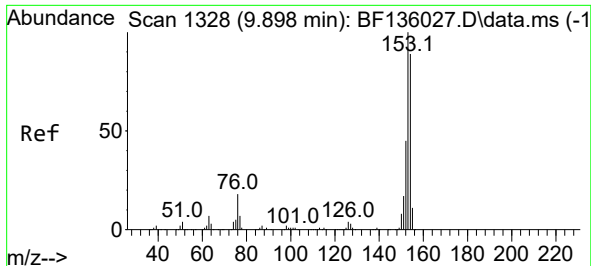
Ion Ratio Lower Upper

165 100

63 1.7 40.8 61.2#

89 2.3 41.1 61.7#

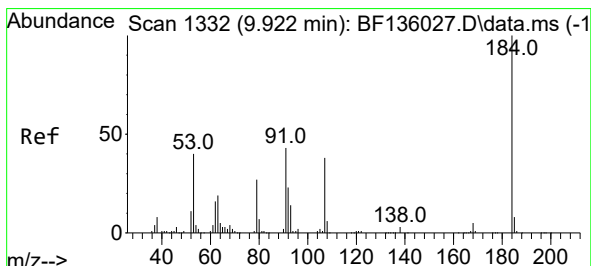
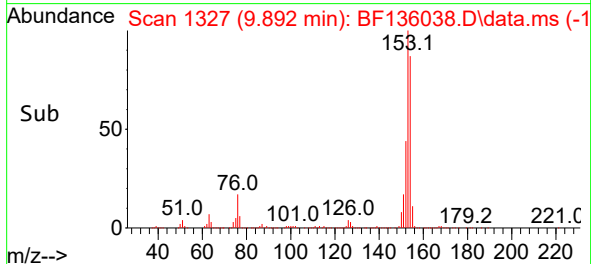
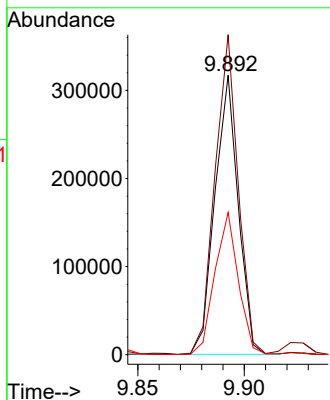
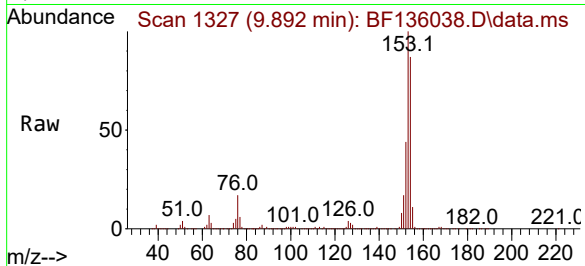




#52
Acenaphthene
Concen: 13.996 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

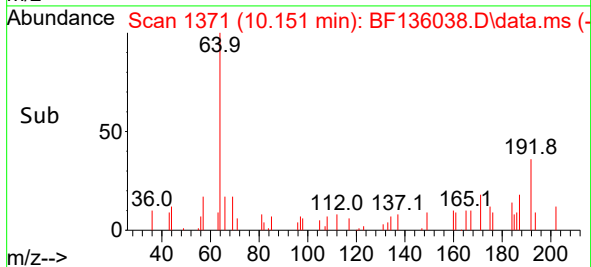
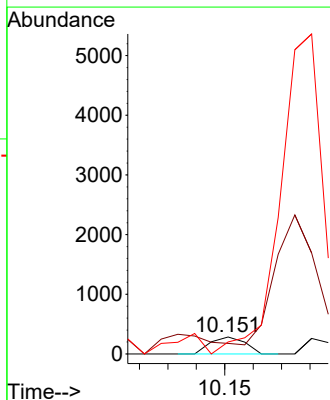
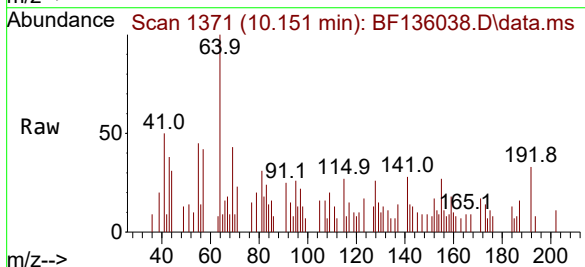
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

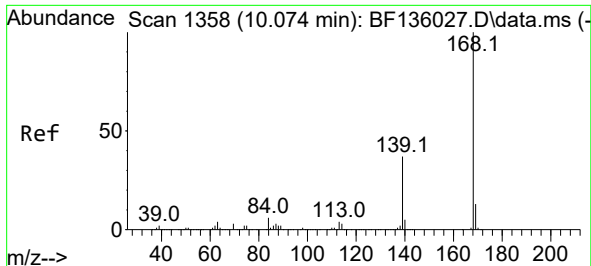
Tgt Ion:154 Resp: 240925
Ion Ratio Lower Upper
154 100
153 114.6 89.9 134.9
152 50.9 40.2 60.2



#54
2,4-Dinitrophenol
Concen: 8.070 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.229 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:184 Resp: 242
Ion Ratio Lower Upper
184 100
63 62.9 43.7 65.5
154 70.7 51.2 76.8

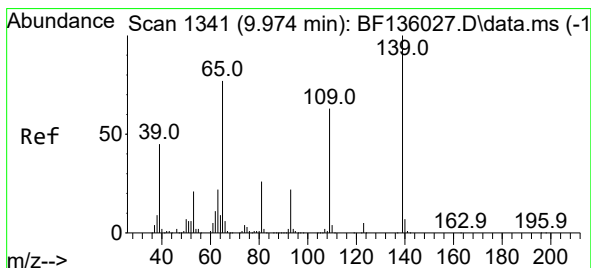
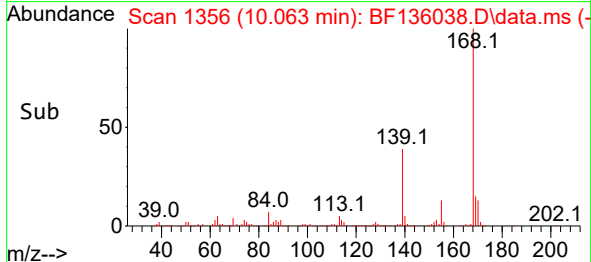
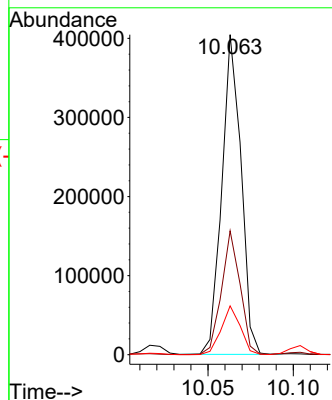
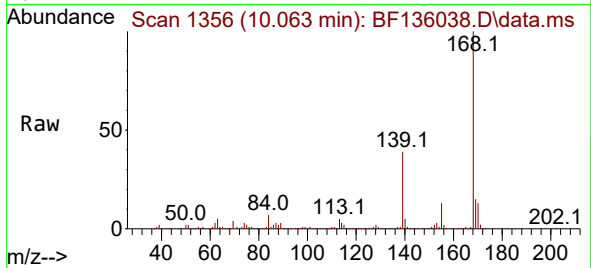




#55
Dibenzenofuran
Concen: 12.645 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.012 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

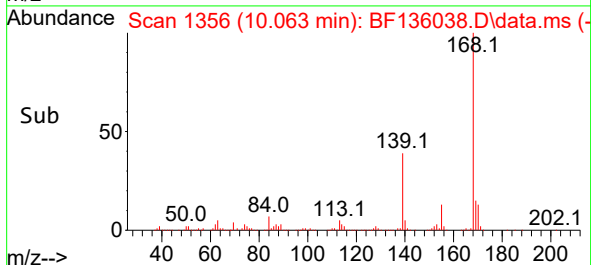
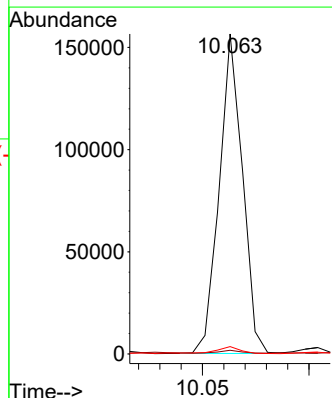
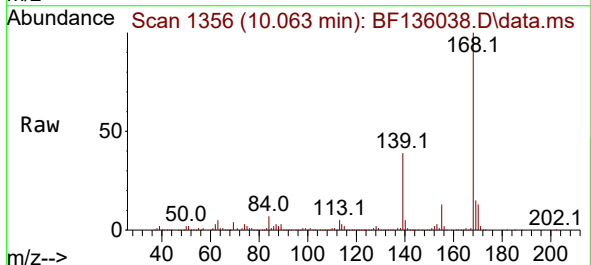
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

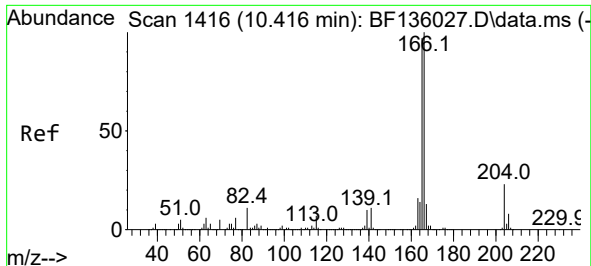
Tgt Ion:168 Resp: 317386
Ion Ratio Lower Upper
168 100
139 38.7 29.4 44.0
169 15.3 10.5 15.7



#56
4-Nitrophenol
Concen: 31.135 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.088 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:139 Resp: 118408
Ion Ratio Lower Upper
139 100
109 1.1 43.2 83.2#
65 2.3 57.6 97.6#

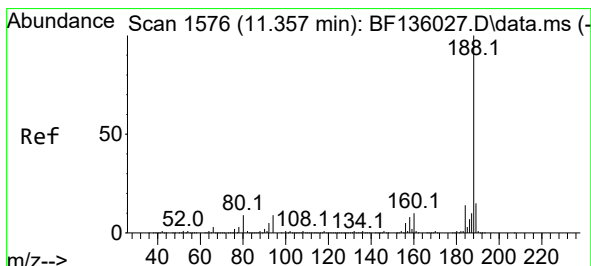
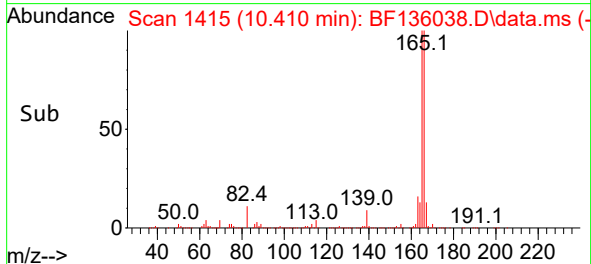
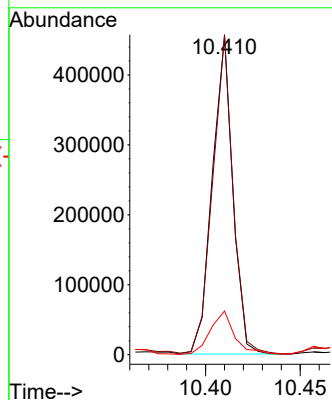
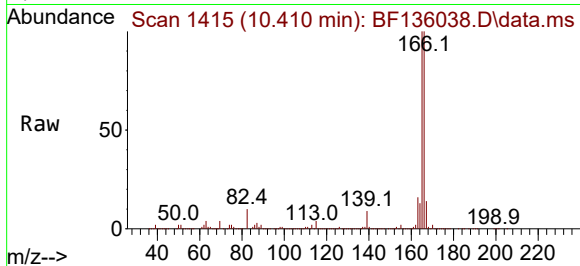




#58
Fluorene
Concen: 18.247 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

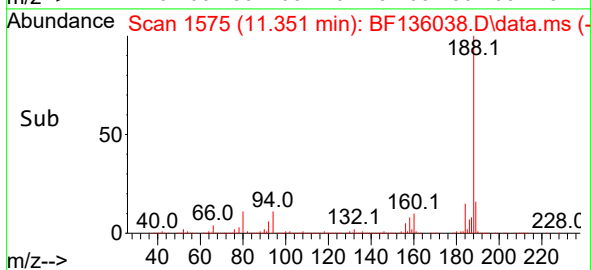
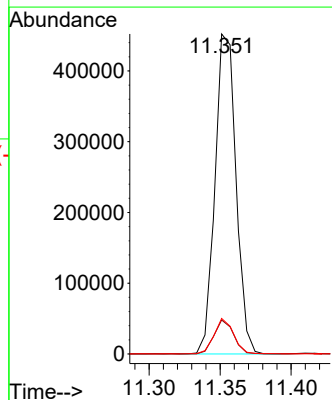
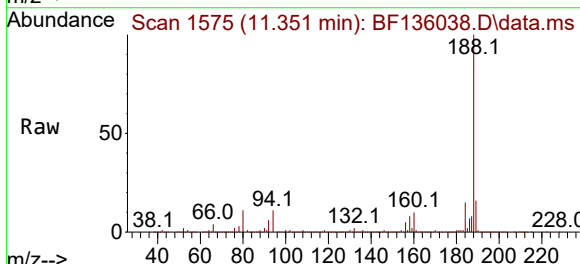
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

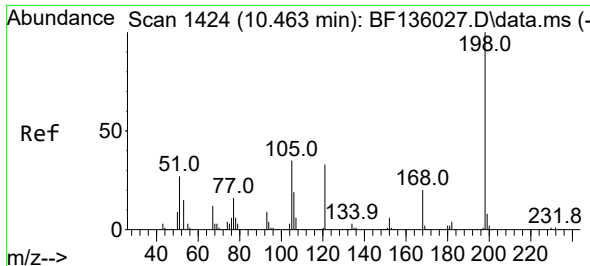
Tgt Ion:166 Resp: 342915
Ion Ratio Lower Upper
166 100
165 100.2 77.7 116.5
167 13.7 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:188 Resp: 464985
Ion Ratio Lower Upper
188 100
94 10.6 7.2 10.8
80 11.1 7.4 11.0#

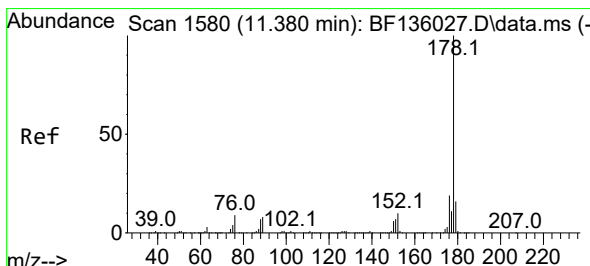
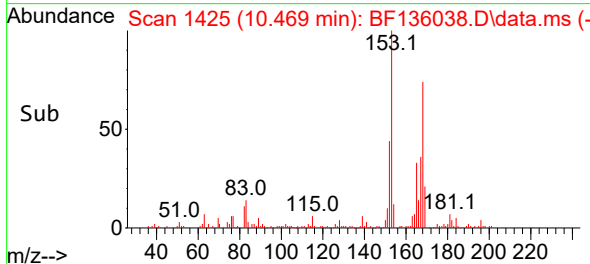
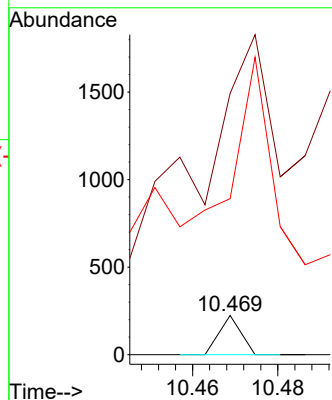
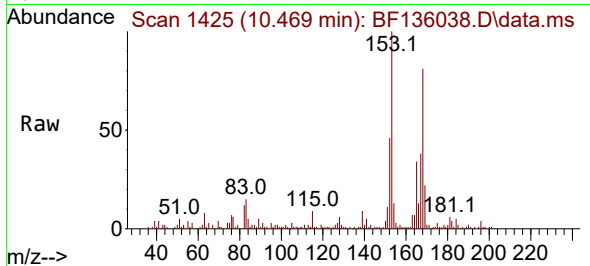




#65
4,6-Dinitro-2-methylphenol
Concen: 5.818 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

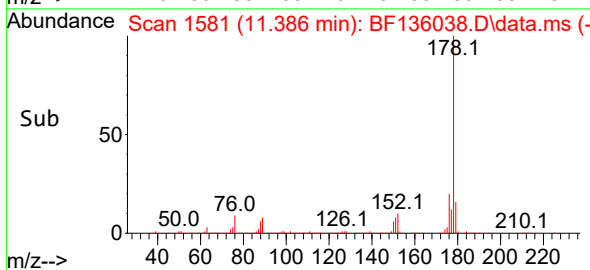
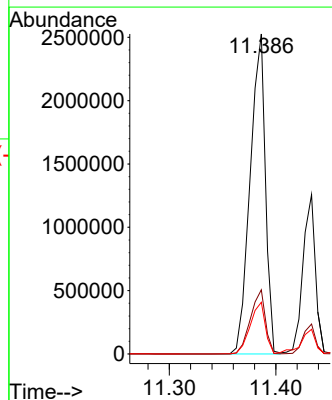
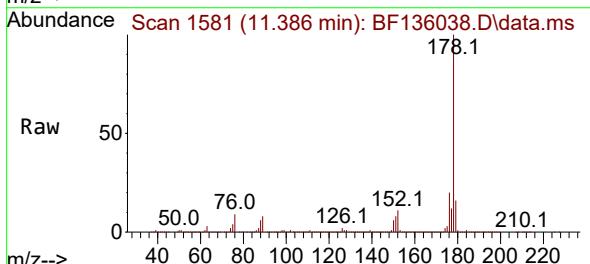
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

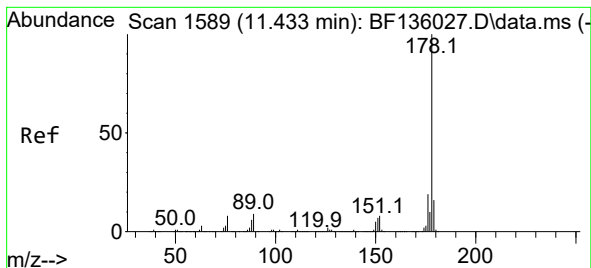
Tgt Ion:198 Resp: 79
Ion Ratio Lower Upper
198 100
51 666.5 12.9 52.9#
105 397.8 16.0 56.0#



#71
Phenanthrene
Concen: 107.475 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:178 Resp: 2516214
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 16.1 12.9 19.3





#72

Anthracene

Concen: 41.933 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

OR-02-102523

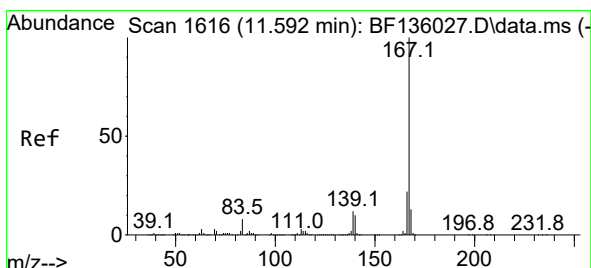
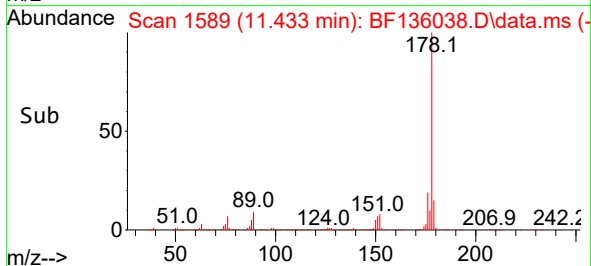
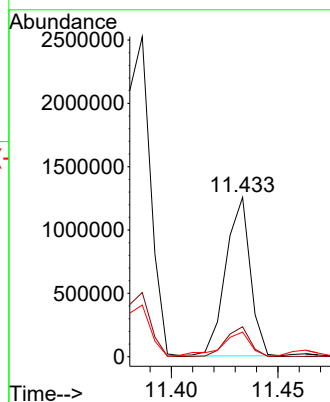
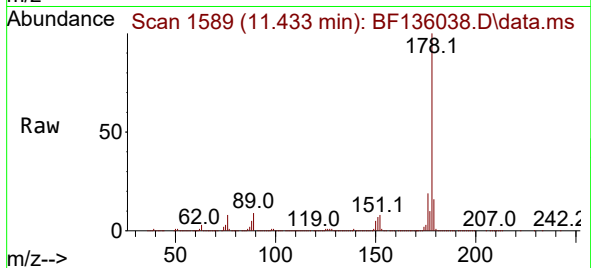
Tgt Ion:178 Resp: 1005993

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.5 12.6 18.8



#73

Carbazole

Concen: 4.797 ng

RT: 11.580 min Scan# 1614

Delta R.T. -0.011 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

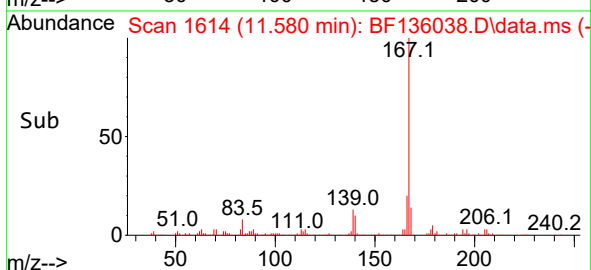
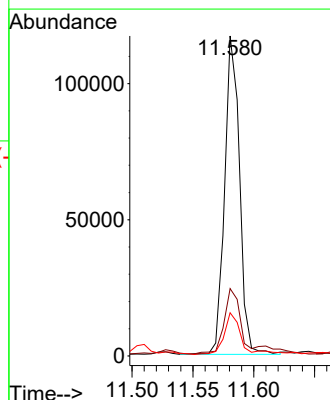
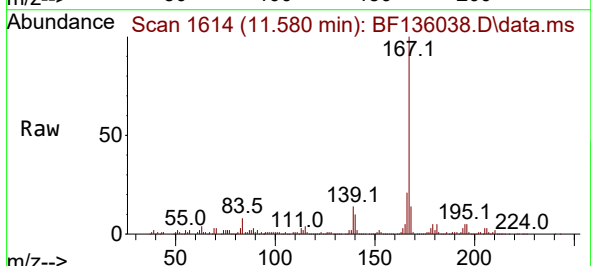
Tgt Ion:167 Resp: 100013

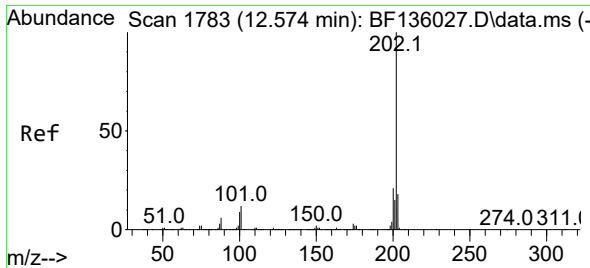
Ion Ratio Lower Upper

167 100

166 21.0 17.2 25.8

139 13.5 9.9 14.9

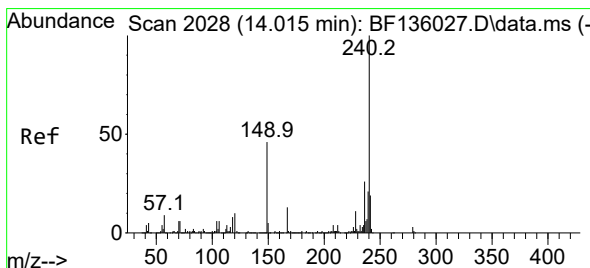
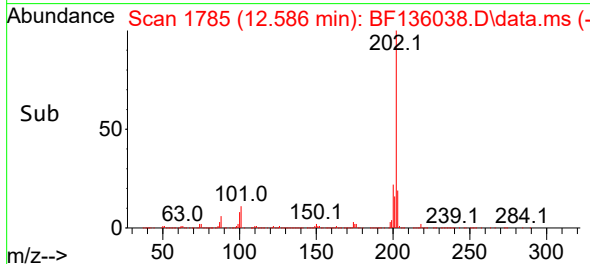
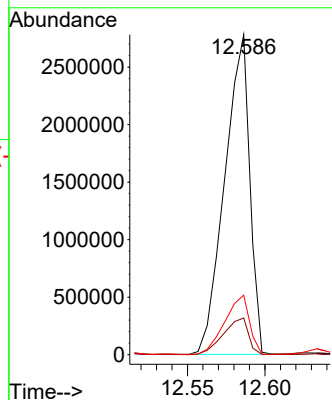
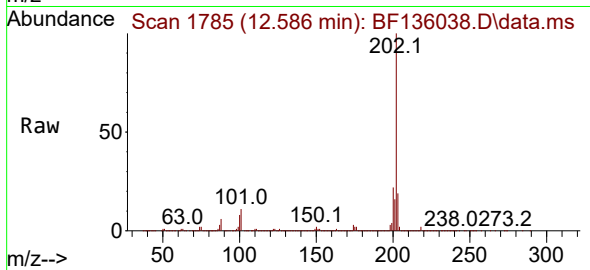




#75
Fluoranthene
Concen: 129.569 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.012 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

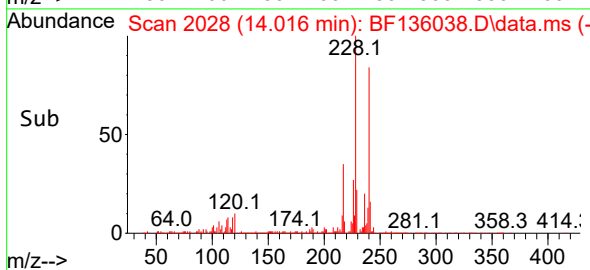
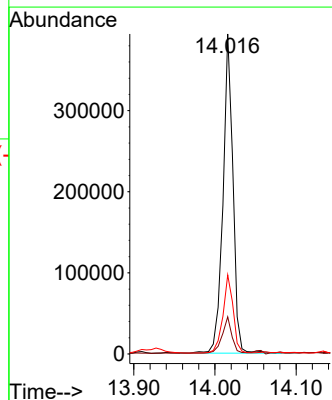
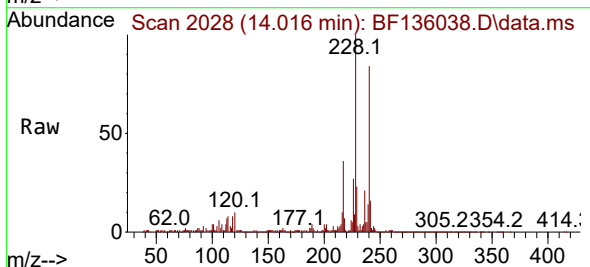
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

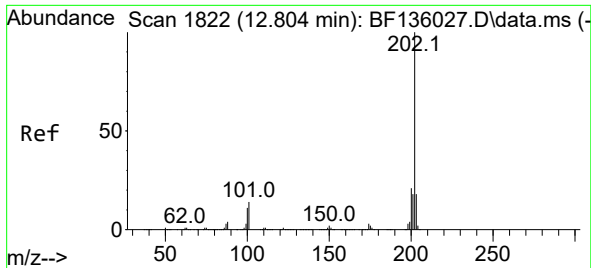
Tgt Ion:202 Resp: 3116329
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 18.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:240 Resp: 337383
Ion Ratio Lower Upper
240 100
120 11.6 7.6 11.4#
236 24.7 20.6 31.0

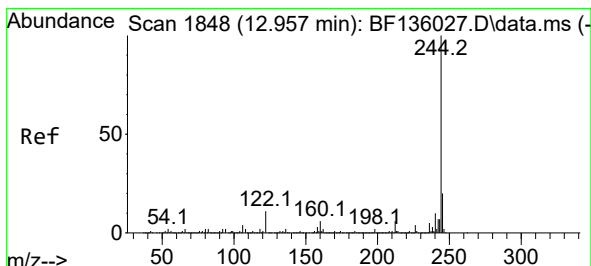
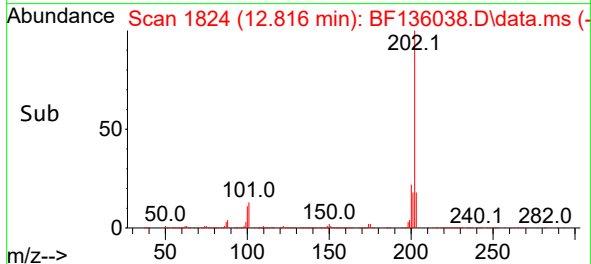
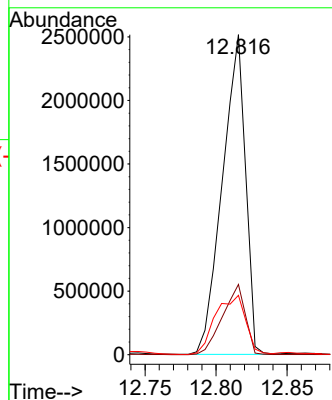
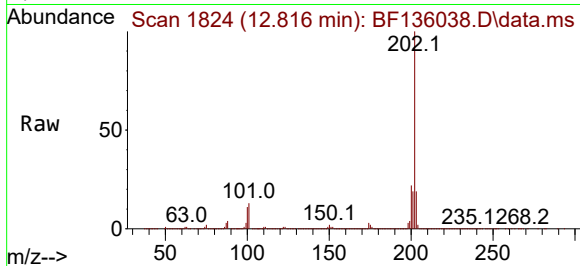




#78
 Pyrene
 Concen: 95.693 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. 0.012 min
 Lab File: BF136038.D
 Acq: 30 Oct 2023 20:33

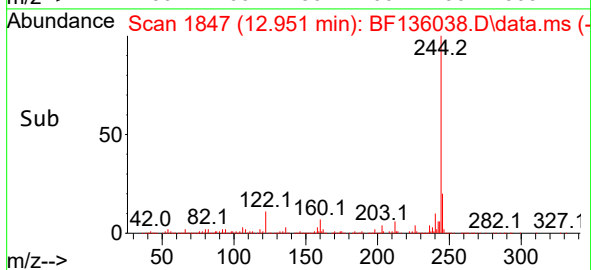
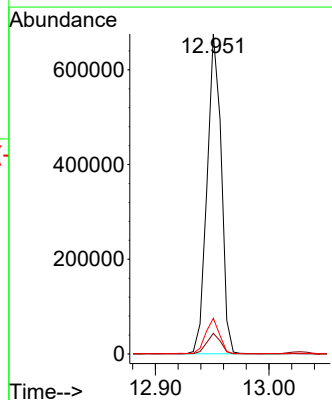
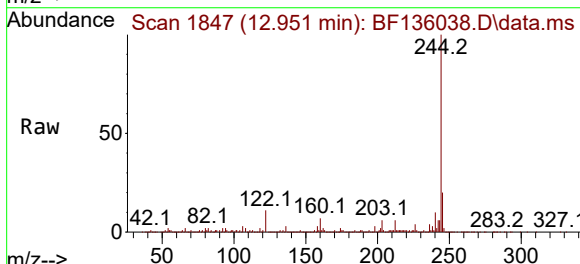
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102523

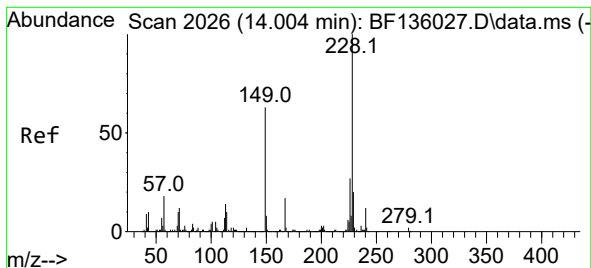
Tgt Ion:202 Resp: 2846418
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.0 25.4
 203 18.5 14.4 21.6



#79
 Terphenyl-d14
 Concen: 26.922 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF136038.D
 Acq: 30 Oct 2023 20:33

Tgt Ion:244 Resp: 584483
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.1 8.6 12.8





#81

Benzo(a)anthracene

Concen: 70.789 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

OR-02-102523

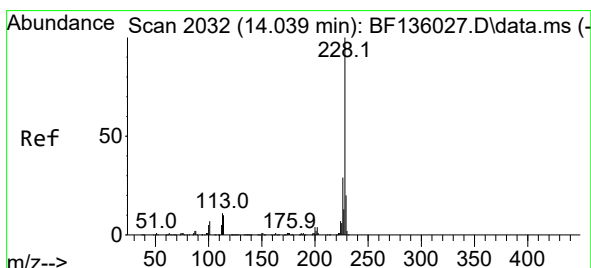
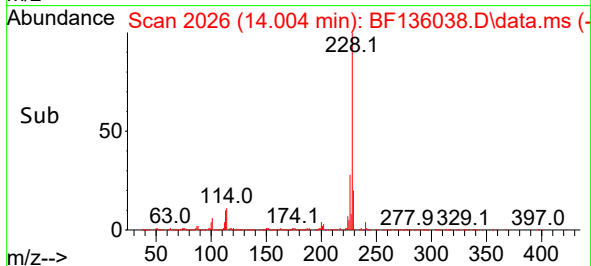
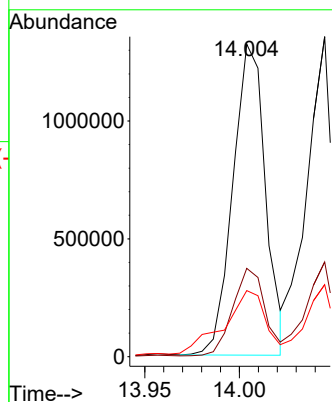
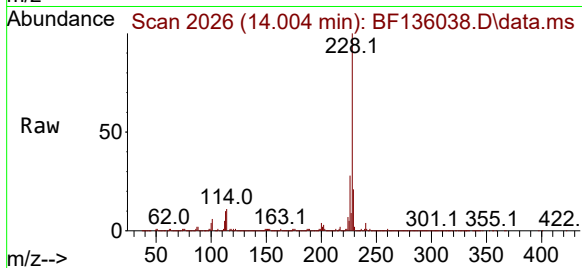
Tgt Ion:228 Resp: 1581118

Ion Ratio Lower Upper

228 100

226 28.3 21.5 32.3

229 21.2 15.8 23.6



#83

Chrysene

Concen: 59.024 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

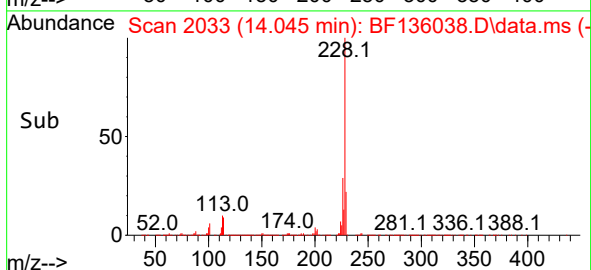
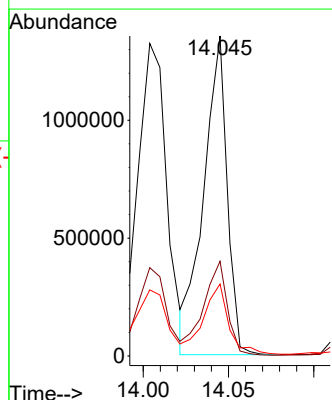
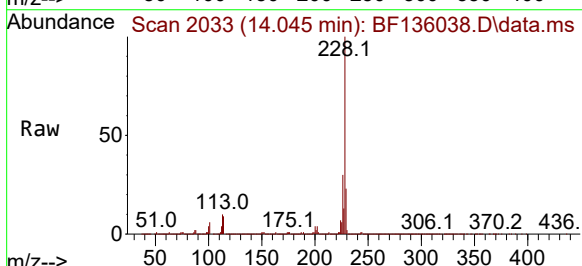
Tgt Ion:228 Resp: 1298325

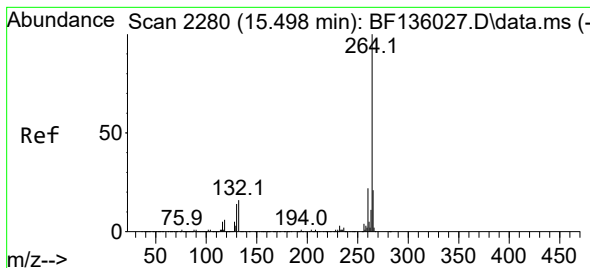
Ion Ratio Lower Upper

228 100

226 29.6 23.5 35.3

229 22.5 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

OR-02-102523

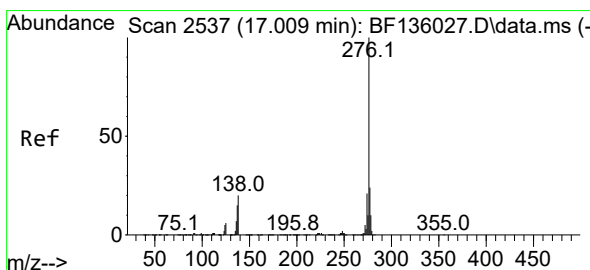
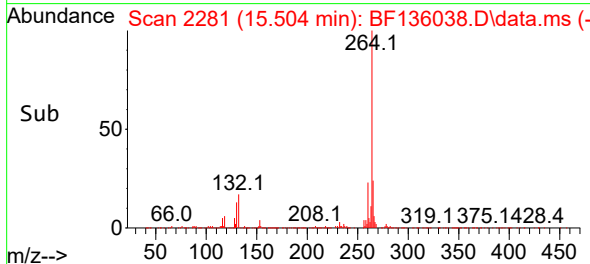
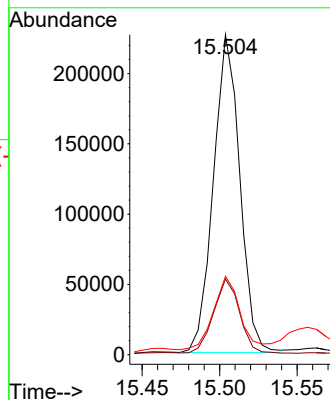
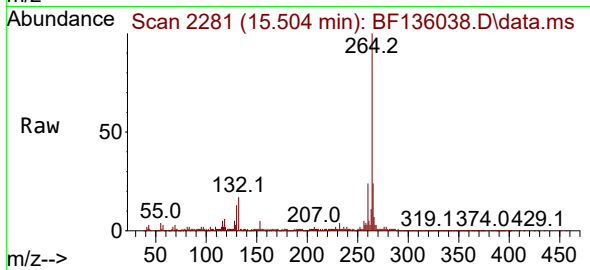
Tgt Ion:264 Resp: 267287

Ion Ratio Lower Upper

264 100

260 23.6 17.9 26.9

265 24.5 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 26.005 ng

RT: 17.015 min Scan# 2538

Delta R.T. 0.006 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

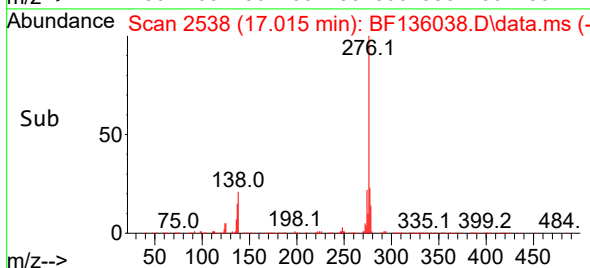
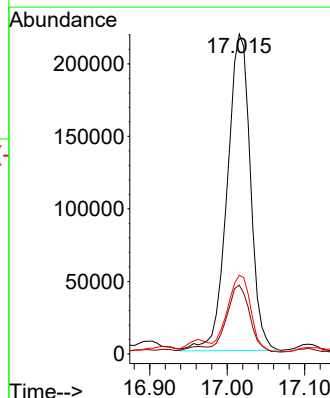
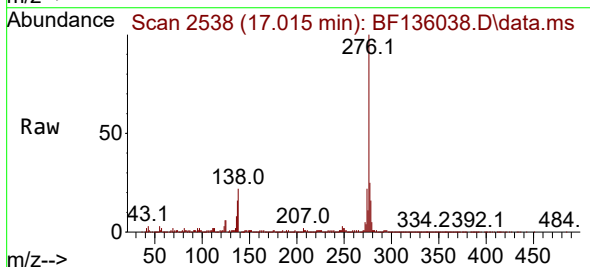
Tgt Ion:276 Resp: 454274

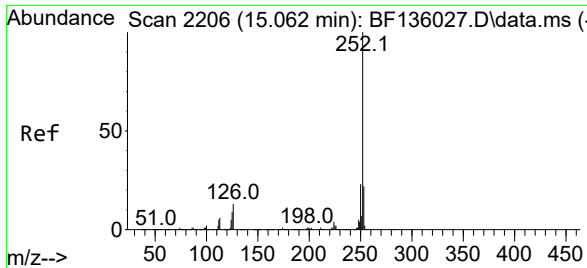
Ion Ratio Lower Upper

276 100

138 21.0 20.4 30.6

277 24.2 20.2 30.2

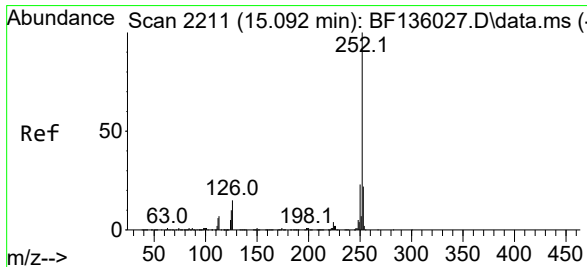
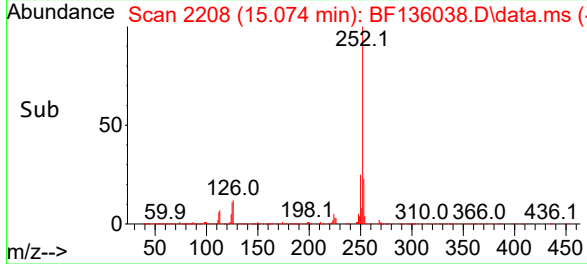
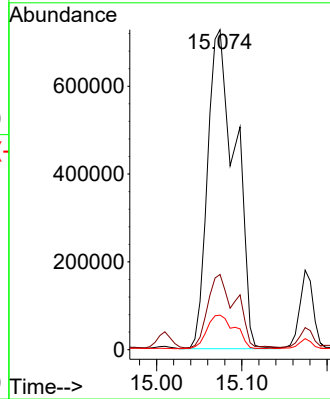
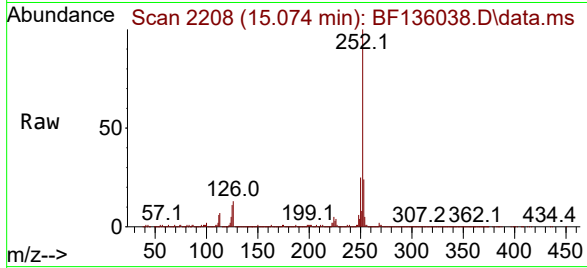




#88
Benzo(b)fluoranthene
Concen: 104.385 ng
RT: 15.074 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

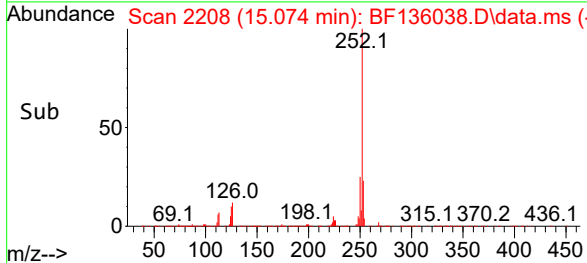
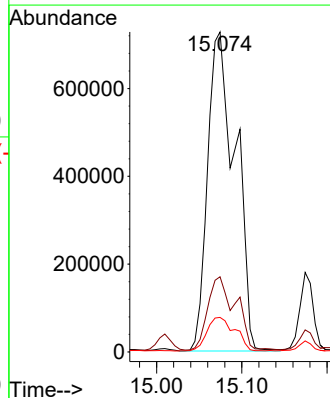
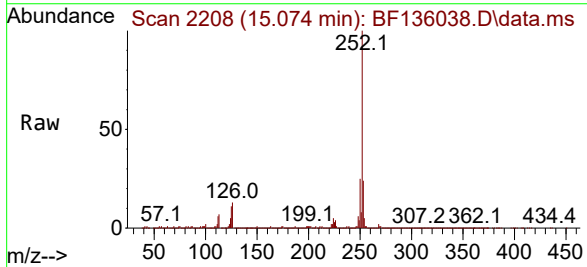
Instrument :
BNA_F
ClientSampleId :
OR-02-102523

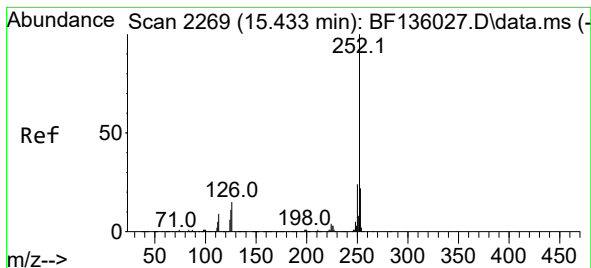
Tgt Ion:252 Resp: 1650937
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 10.8 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 105.499 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.017 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Tgt Ion:252 Resp: 1650937
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 10.8 8.0 12.0





#90

Benzo(a)pyrene

Concen: 59.435 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

Instrument :

BNA_F

ClientSampleId :

OR-02-102523

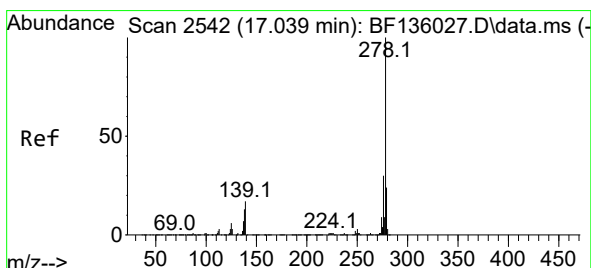
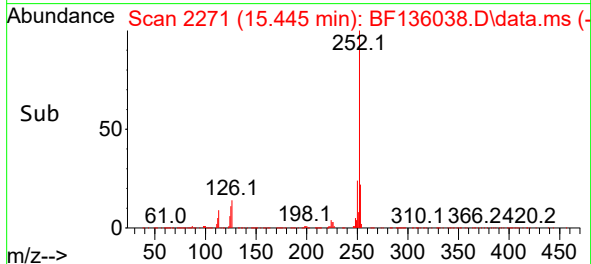
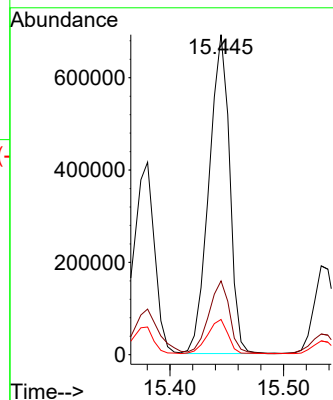
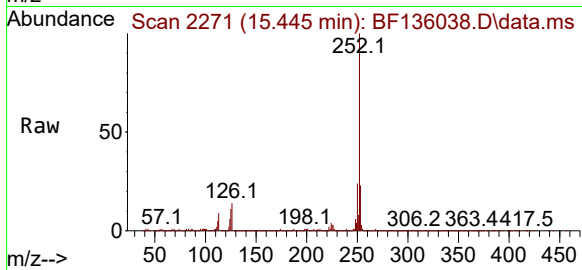
Tgt Ion:252 Resp: 873412

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

125 11.0 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 7.710 ng

RT: 17.027 min Scan# 2540

Delta R.T. -0.012 min

Lab File: BF136038.D

Acq: 30 Oct 2023 20:33

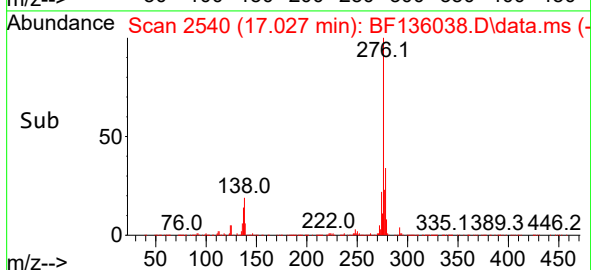
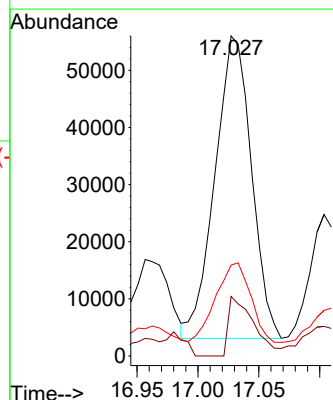
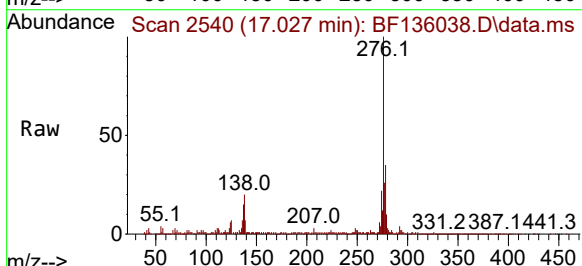
Tgt Ion:278 Resp: 110320

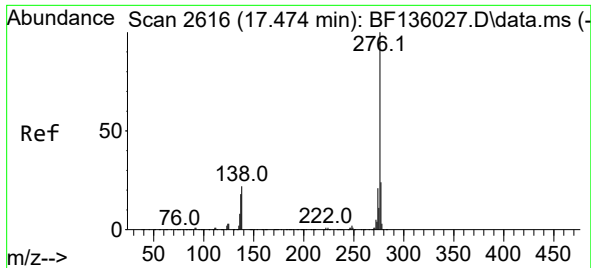
Ion Ratio Lower Upper

278 100

139 18.6 13.7 20.5

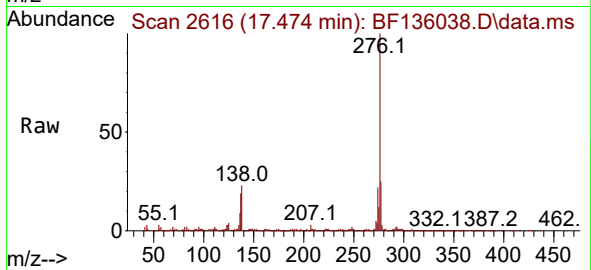
279 28.4 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 26.660 ng
RT: 17.474 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136038.D
Acq: 30 Oct 2023 20:33

Instrument :
BNA_F
ClientSampleId :
OR-02-102523



Tgt Ion:276 Resp: 412015
Ion Ratio Lower Upper
276 100
277 25.1 19.0 28.4
138 22.6 17.4 26.2

