

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136160.D
 Acq On : 06 Nov 2023 17:59
 Operator : CG\JU
 Sample : 05256-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11

Quant Time: Nov 06 23:29:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

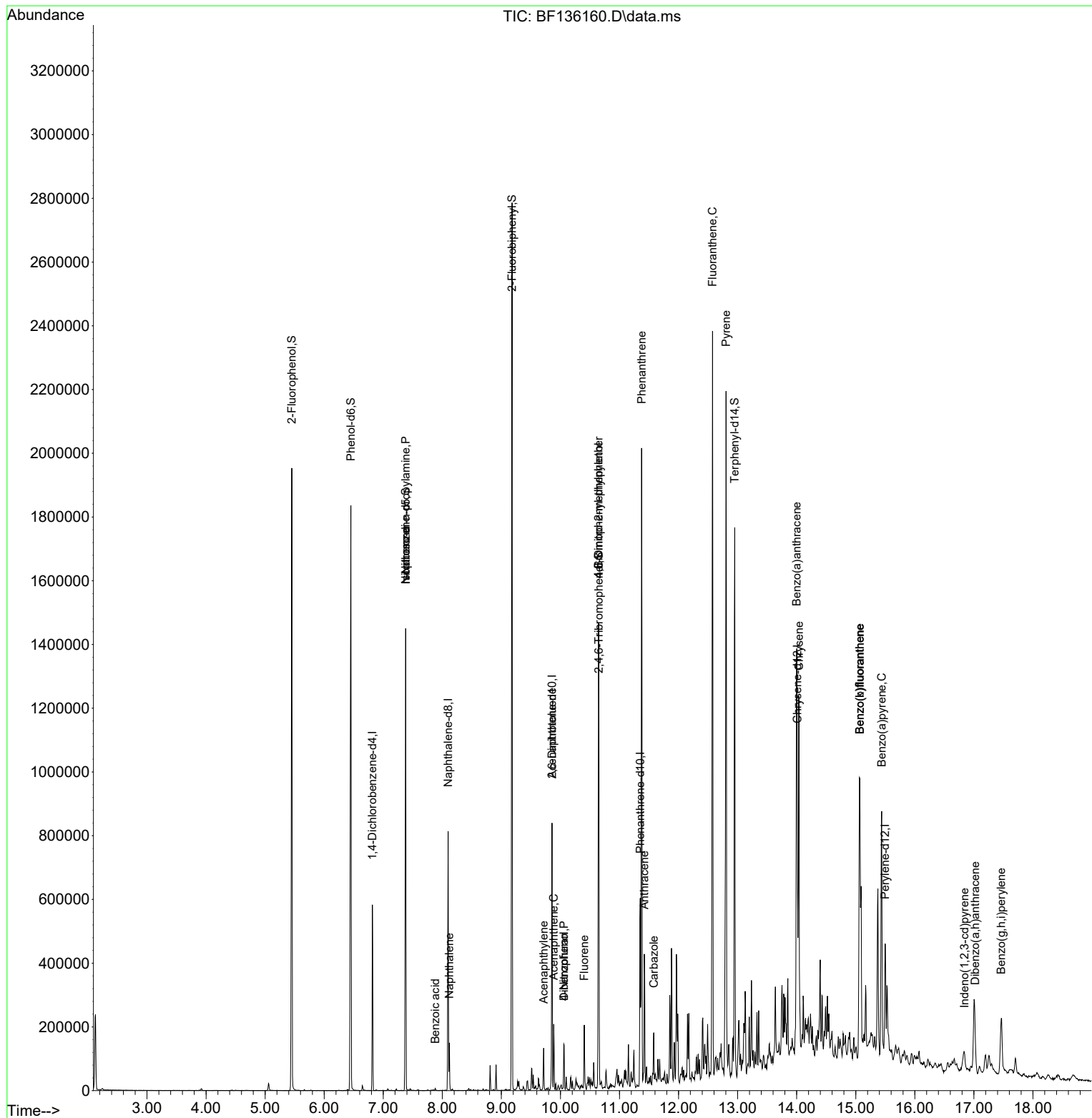
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	78599	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	303864	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	147974	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	224333	20.000	ng	0.00
76) Chrysene-d12	14.010	240	152254	20.000	ng	0.00
86) Perylene-d12	15.498	264	150237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	516505	103.263	ng	0.00
7) Phenol-d6	6.451	99	638274	102.419	ng	0.00
23) Nitrobenzene-d5	7.381	82	400750	79.503	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	163171	103.309	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	759636	81.834	ng	0.00
79) Terphenyl-d14	12.951	244	564071	57.574	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	54096	15.192	ng	# 77
25) Isophorone	7.381	82	400746	42.112	ng	# 64
31) Naphthalene	8.116	128	56269	3.840	ng	99
32) Benzoic acid	7.880	122	1079	5.388	ng	# 15
49) Acenaphthylene	9.716	152	41937	3.233	ng	99
51) 2,6-Dinitrotoluene	9.857	165	20699	9.915	ng	# 29
52) Acenaphthene	9.886	154	37193	4.510	ng	97
55) Dibenzofuran	10.063	168	42687	3.550	ng	100
56) 4-Nitrophenol	10.063	139	16631	9.128	ng	# 16
58) Fluorene	10.404	166	43823	4.867	ng	97
65) 4,6-Dinitro-2-methylph...	10.645	198	392	6.070	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	10702	4.550	ng	# 1
71) Phenanthrene	11.374	178	733405	64.930	ng	99
72) Anthracene	11.421	178	151824	13.117	ng	99
73) Carbazole	11.580	167	56647	5.632	ng	98
75) Fluoranthene	12.574	202	960265	82.755	ng	98
78) Pyrene	12.804	202	900113	67.055	ng	99
81) Benzo(a)anthracene	13.998	228	480104	47.631	ng	96
83) Chrysene	14.039	228	443622	44.690	ng	99
87) Indeno(1,2,3-cd)pyrene	16.839	276	32518	3.312	ng	92
88) Benzo(b)fluoranthene	15.068	252	740221	83.266	ng	99
89) Benzo(k)fluoranthene	15.068	252	740221	84.155	ng	98
90) Benzo(a)pyrene	15.439	252	375742	45.489	ng	96
91) Dibenzo(a,h)anthracene	17.021	278	43395	5.395	ng	96
92) Benzo(g,h,i)perylene	17.462	276	155852	18.888	ng	96

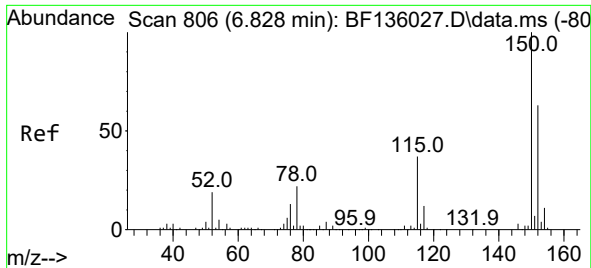
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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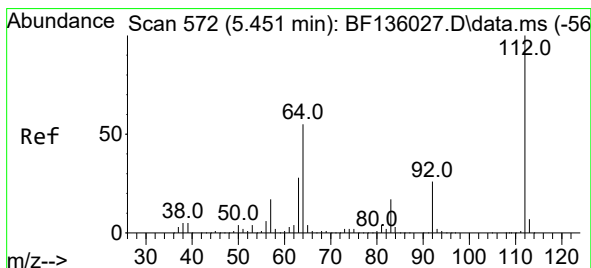
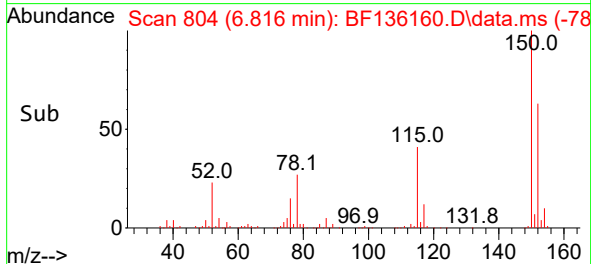
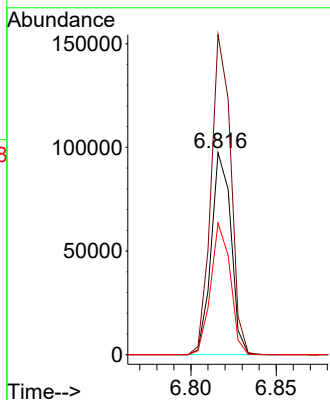
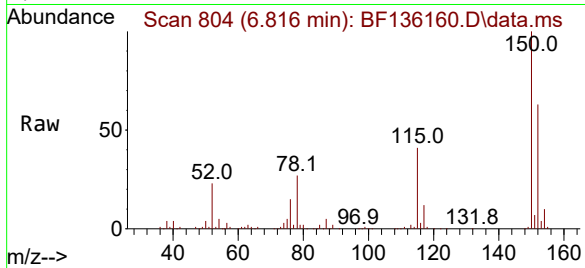




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

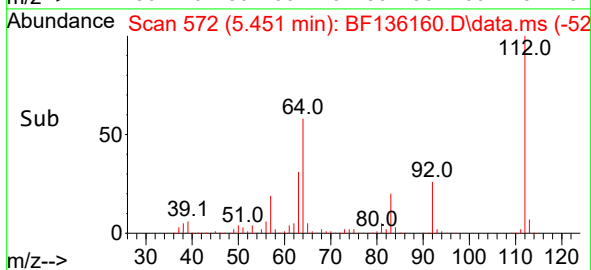
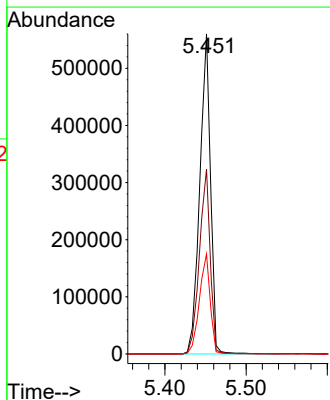
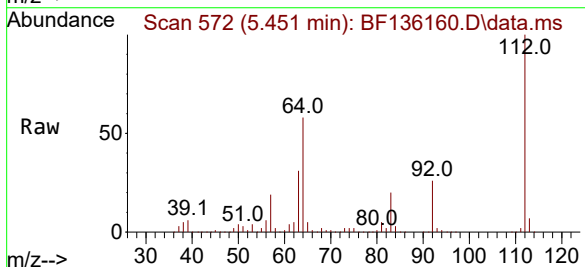
Instrument :
BNA_F
ClientSampleId :
WC-11

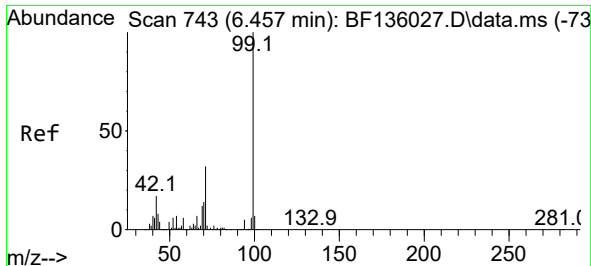
Tgt Ion:152 Resp: 78599
Ion Ratio Lower Upper
152 100
150 158.4 126.4 189.6
115 65.2 47.0 70.4



#5
2-Fluorophenol
Concen: 103.263 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:112 Resp: 516505
Ion Ratio Lower Upper
112 100
64 57.8 43.9 65.9
63 31.2 22.4 33.6

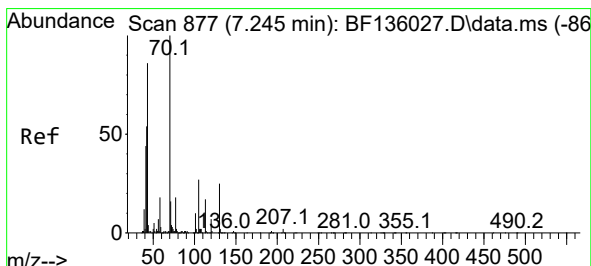
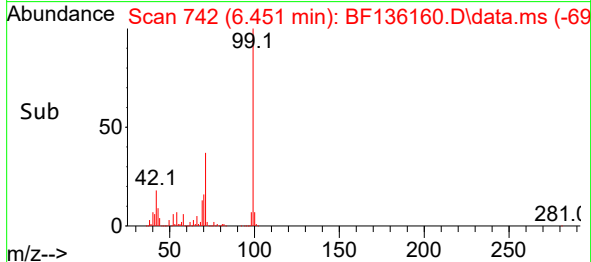
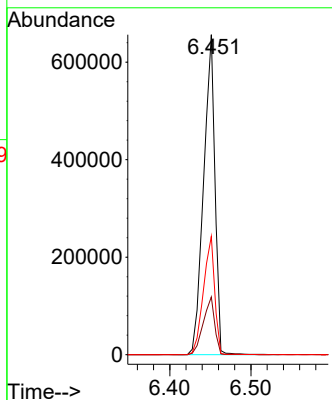
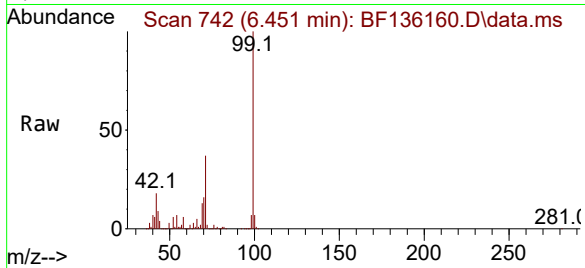




#7
Phenol-d6
Concen: 102.419 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

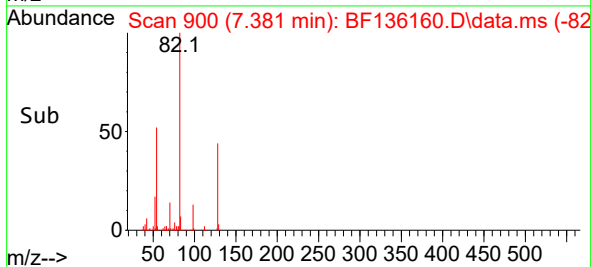
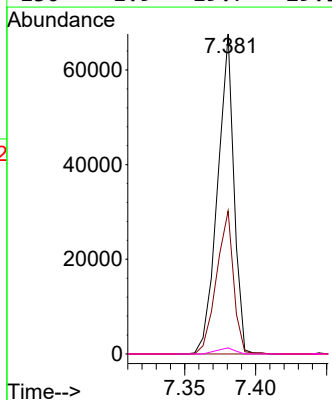
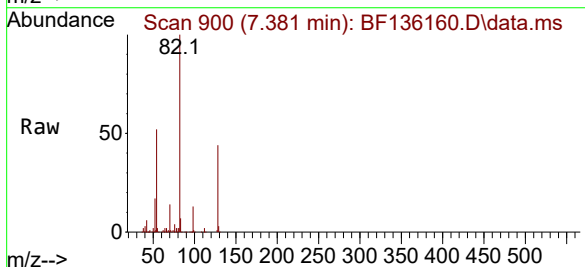
Instrument :
BNA_F
ClientSampleId :
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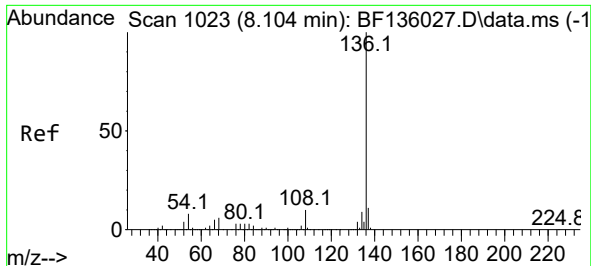
Tgt Ion: 99 Resp: 638274
Ion Ratio Lower Upper
99 100
42 18.0 13.7 20.5
71 37.0 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.192 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion: 70 Resp: 54096
Ion Ratio Lower Upper
70 100
42 44.7 43.0 64.4
101 0.0 8.0 12.0#
130 1.9 19.7 29.5#

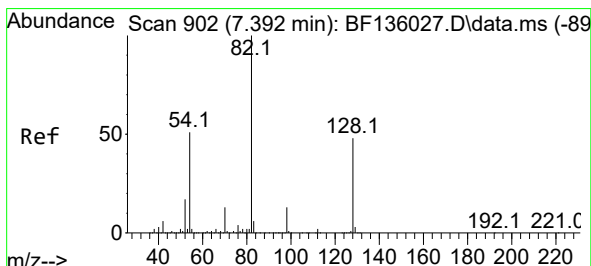
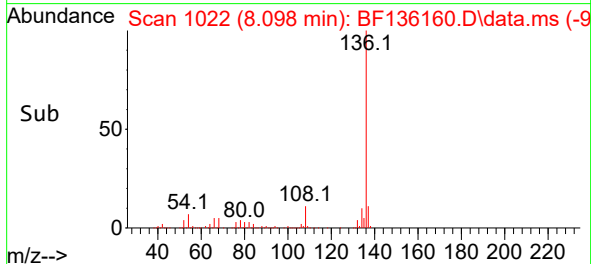
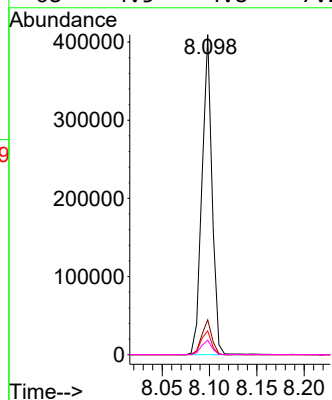
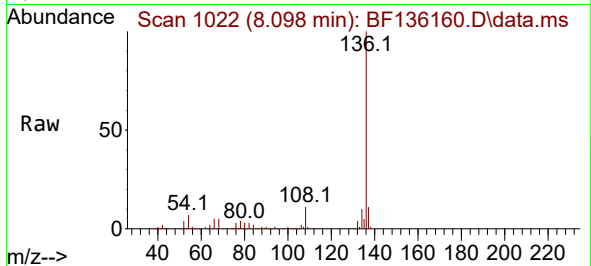




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

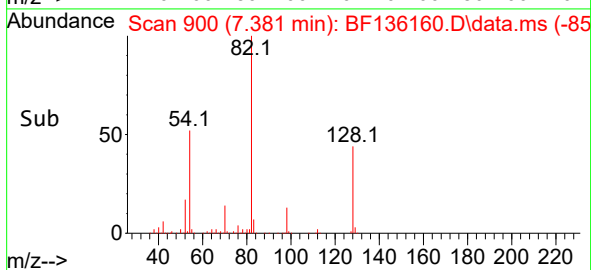
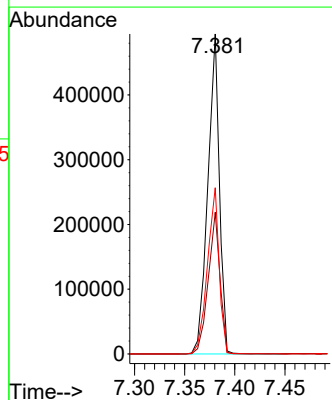
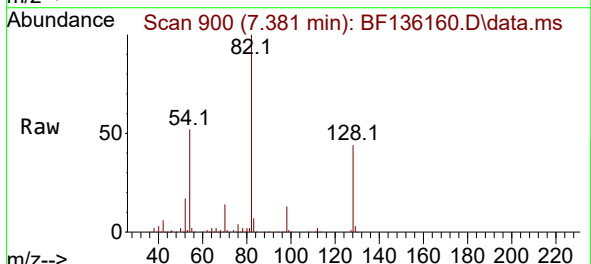
Instrument :
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ClientSampleId :
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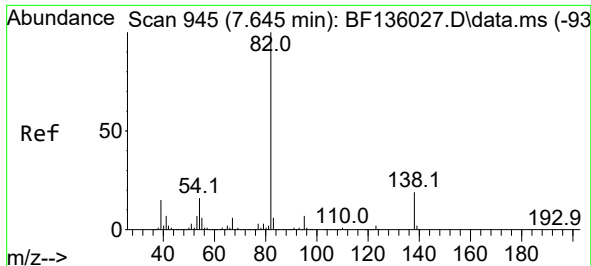
Tgt Ion:136 Resp: 303864
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 6.6 9.8
68 4.5 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 79.503 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion: 82 Resp: 400750
Ion Ratio Lower Upper
82 100
128 44.3 38.6 57.8
54 52.0 40.8 61.2

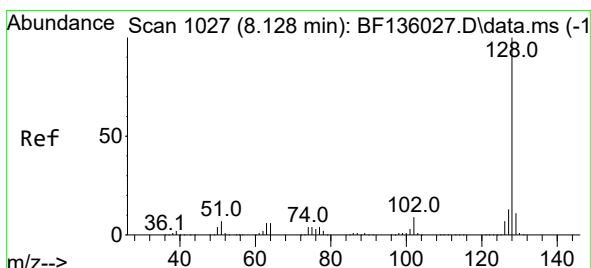
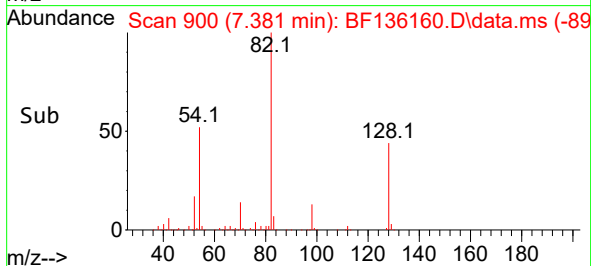
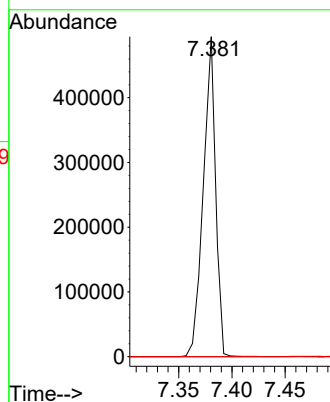
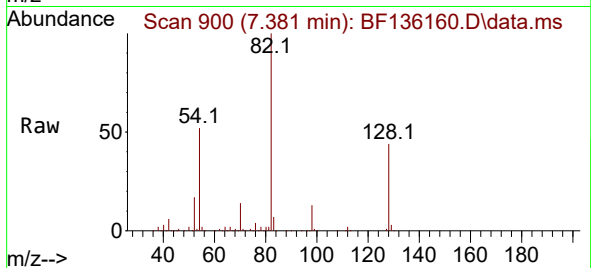




#25
Isophorone
Concen: 42.112 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

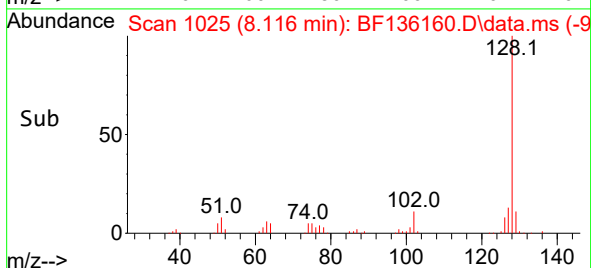
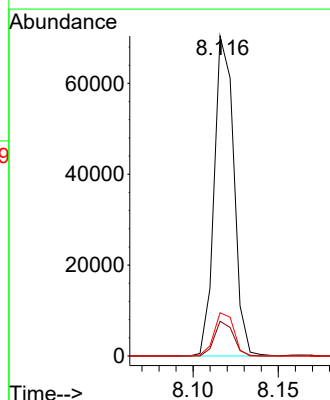
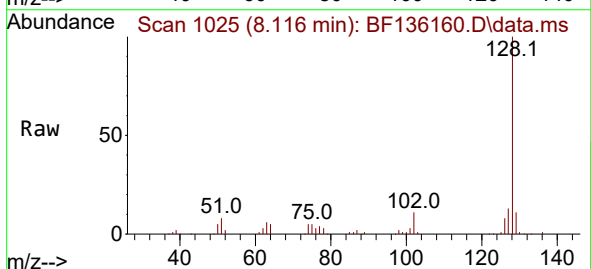
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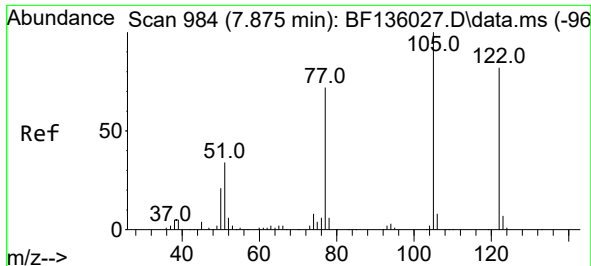
Tgt Ion: 82 Resp: 400746
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#31
Naphthalene
Concen: 3.840 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion: 128 Resp: 56269
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.5 10.5 15.7

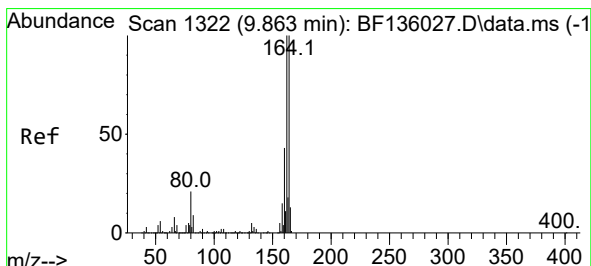
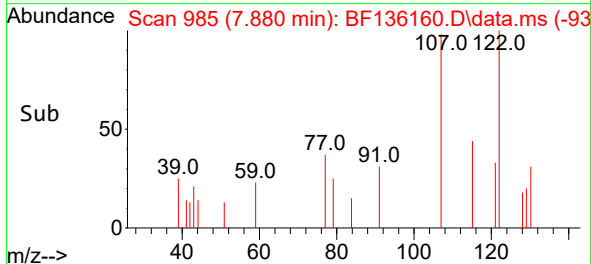
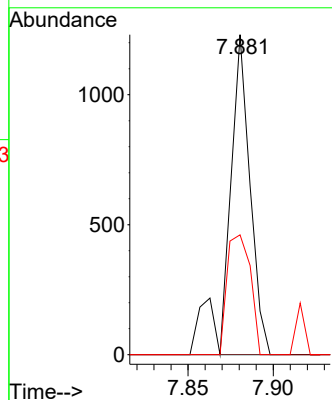
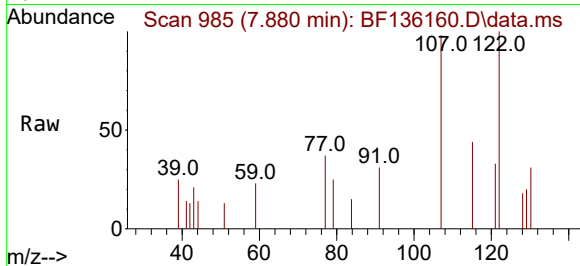




#32
Benzoic acid
Concen: 5.388 ng
RT: 7.880 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

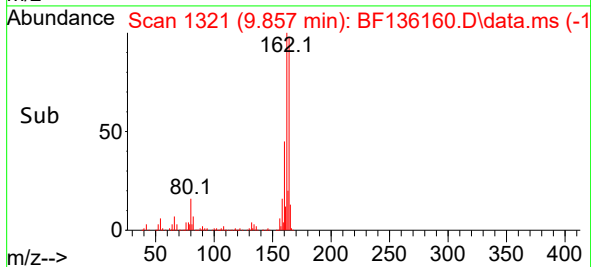
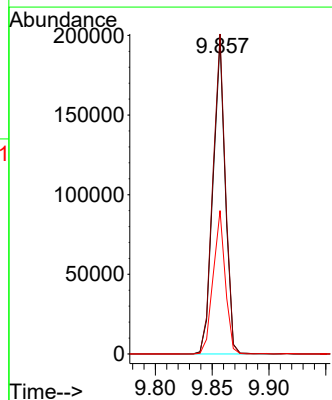
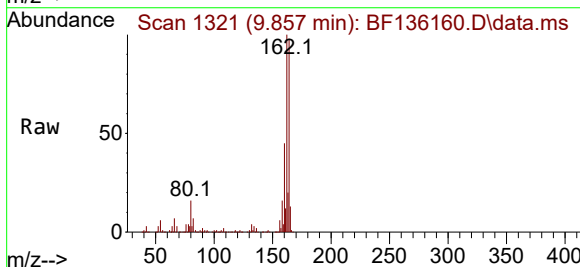
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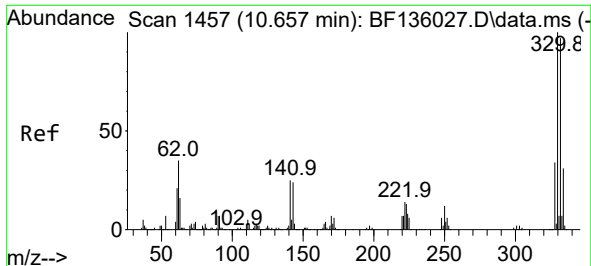
Tgt Ion:122 Resp: 1079
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 37.4 66.8 106.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:164 Resp: 147974
Ion Ratio Lower Upper
164 100
162 102.1 80.1 120.1
160 45.7 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 103.309 ng

RT: 10.651 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

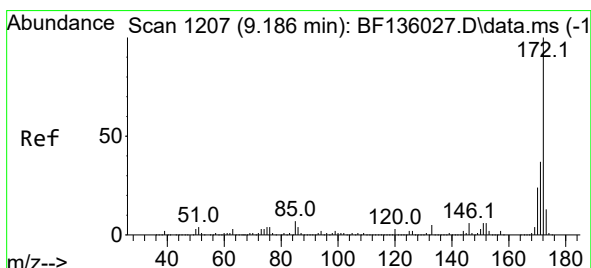
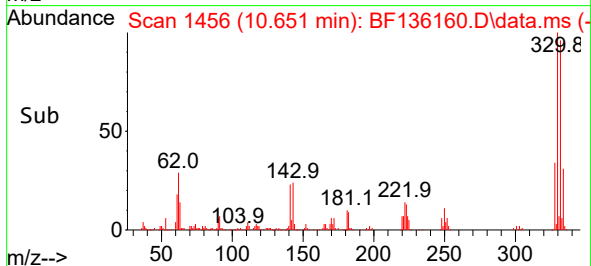
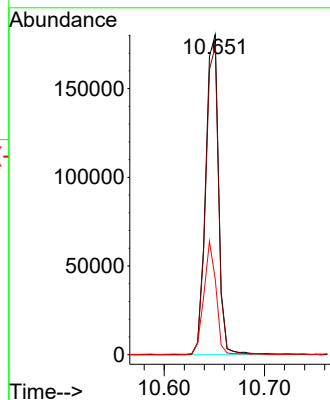
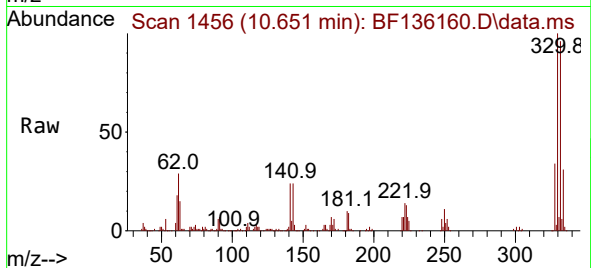
Tgt Ion:330 Resp: 163171

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

141 33.2 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 81.834 ng

RT: 9.180 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

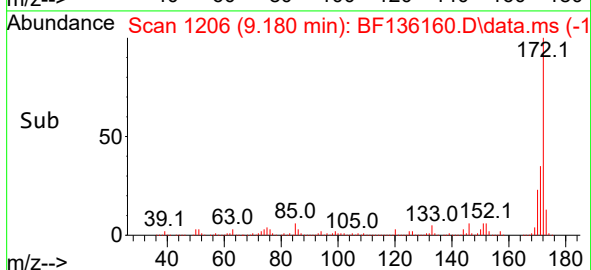
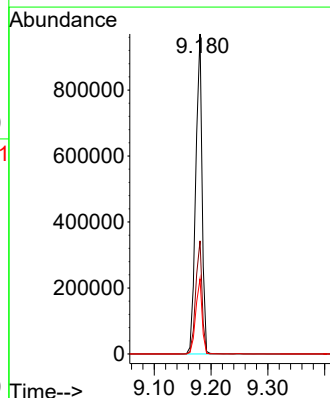
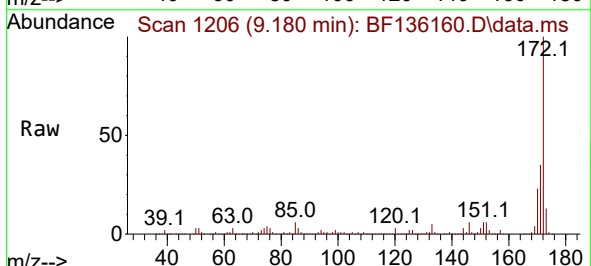
Tgt Ion:172 Resp: 759636

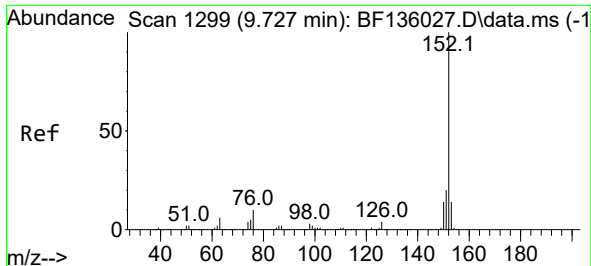
Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 23.5 19.3 28.9

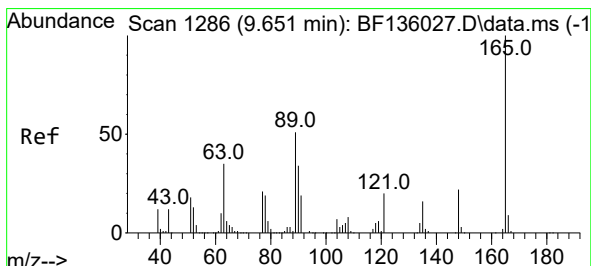
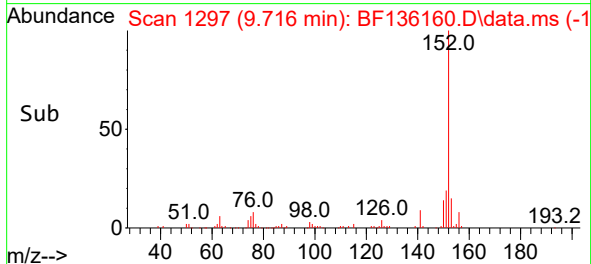
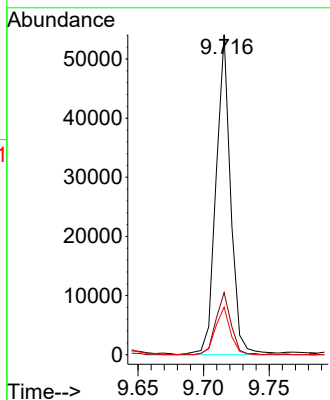
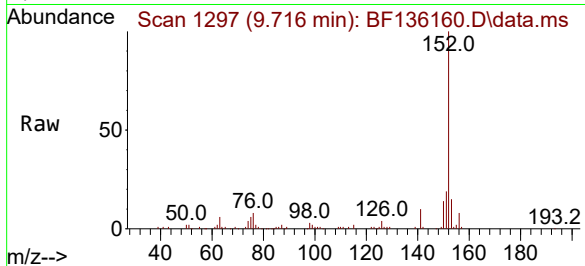




#49
Acenaphthylene
Concen: 3.233 ng
RT: 9.716 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

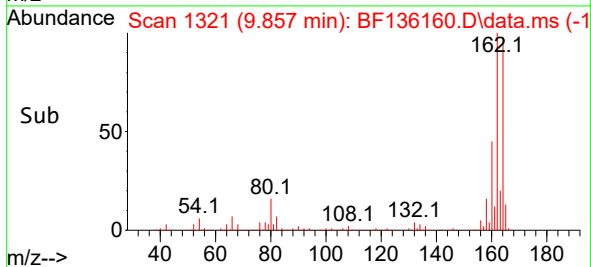
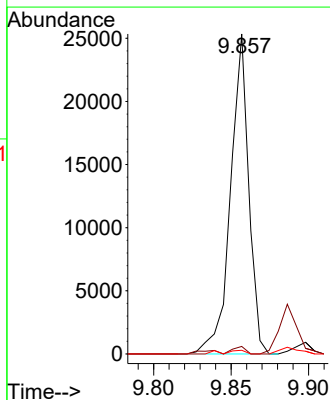
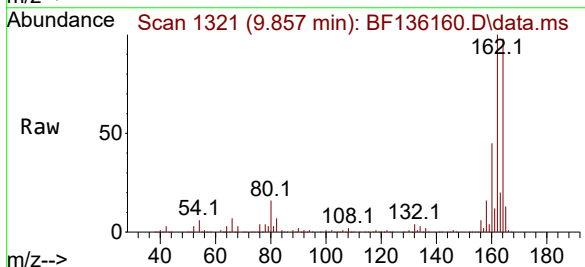
Instrument :
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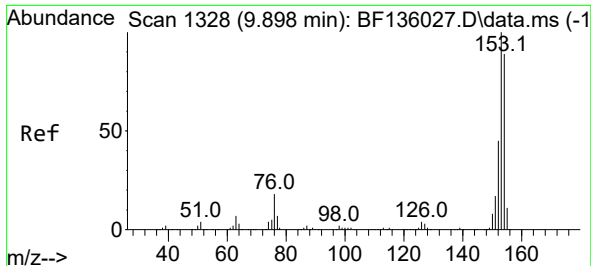
Tgt Ion:152 Resp: 41937
Ion Ratio Lower Upper
152 100
151 19.4 16.1 24.1
153 14.8 11.4 17.2



#51
2,6-Dinitrotoluene
Concen: 9.915 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:165 Resp: 20699
Ion Ratio Lower Upper
165 100
63 2.4 40.8 61.2#
89 1.1 41.1 61.7#

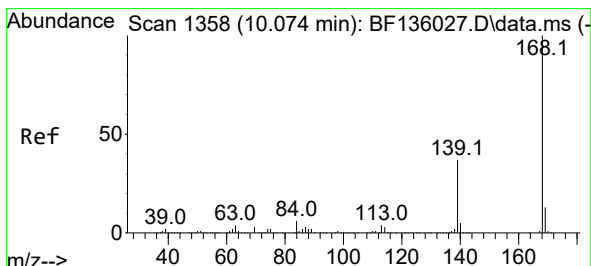
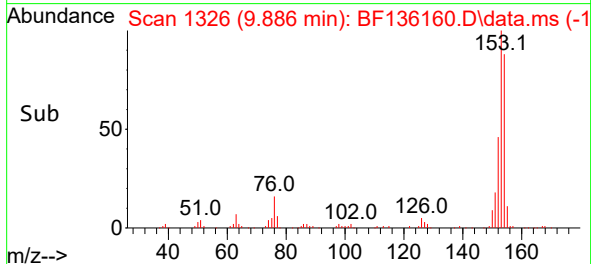
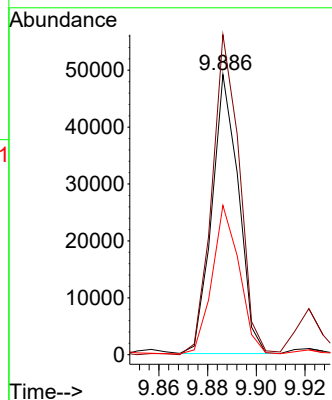
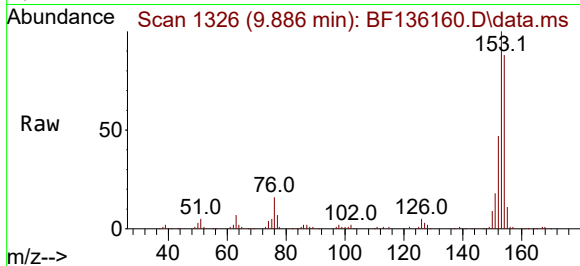




#52
Acenaphthene
Concen: 4.510 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

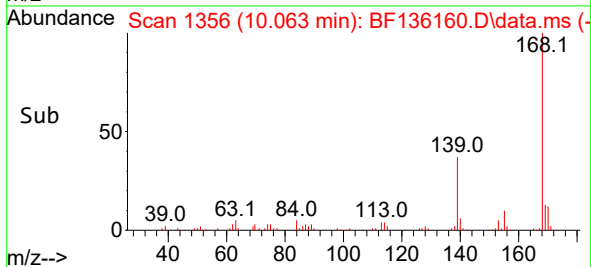
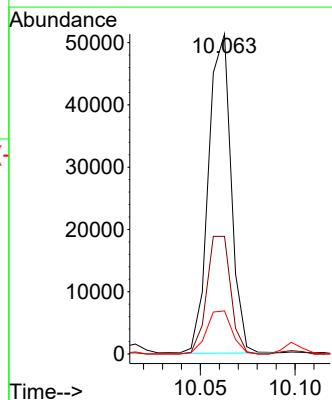
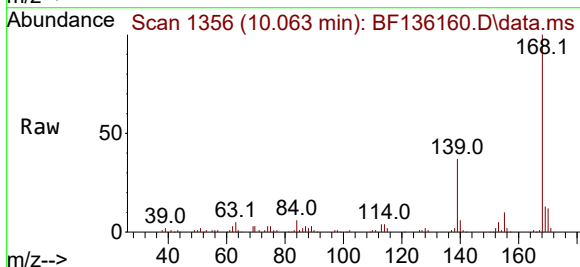
Instrument :
BNA_F
ClientSampleId :
WC-11

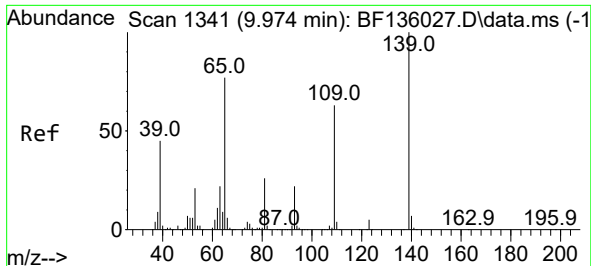
Tgt Ion:154 Resp: 37193
Ion Ratio Lower Upper
154 100
153 114.2 89.9 134.9
152 53.3 40.2 60.2



#55
Dibenzofuran
Concen: 3.550 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:168 Resp: 42687
Ion Ratio Lower Upper
168 100
139 36.8 29.4 44.0
169 13.5 10.5 15.7

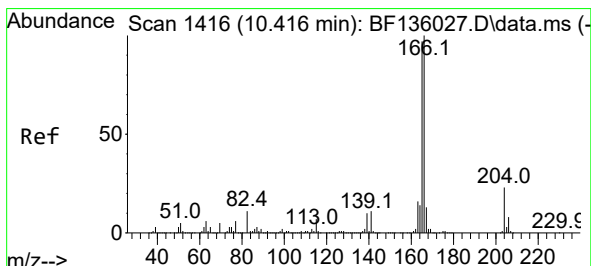
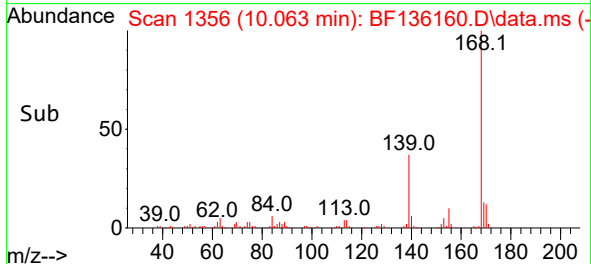
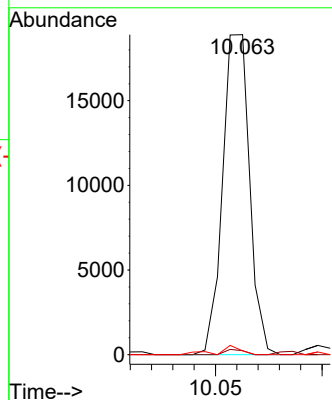
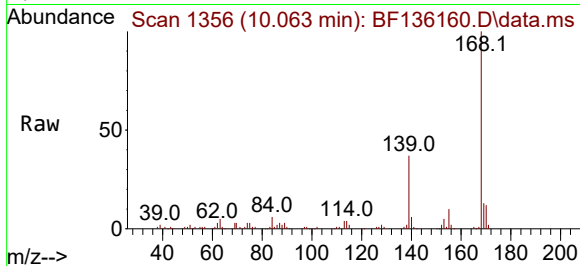




#56
4-Nitrophenol
Concen: 9.128 ng
RT: 10.063 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

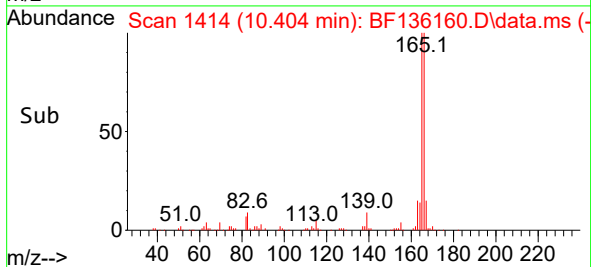
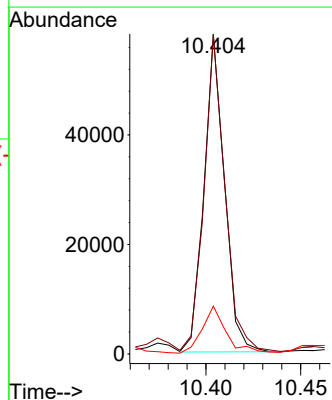
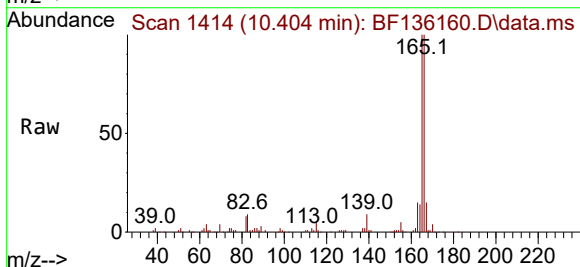
Instrument :
BNA_F
ClientSampleId :
WC-11

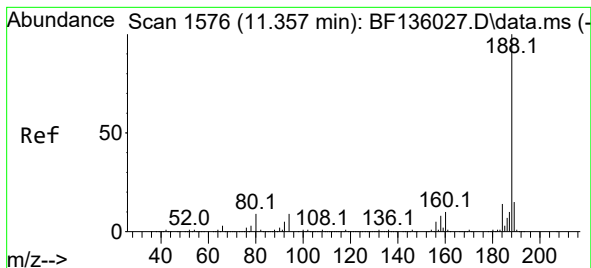
Tgt Ion:139 Resp: 16631
Ion Ratio Lower Upper
139 100
109 1.3 43.2 83.2#
65 1.2 57.6 97.6#



#58
Fluorene
Concen: 4.867 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:166 Resp: 43823
Ion Ratio Lower Upper
166 100
165 100.2 77.7 116.5
167 15.0 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

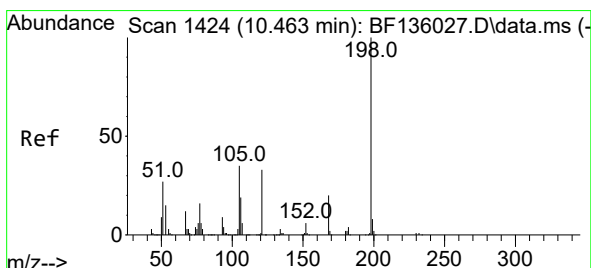
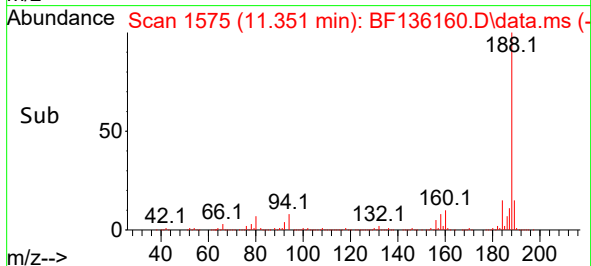
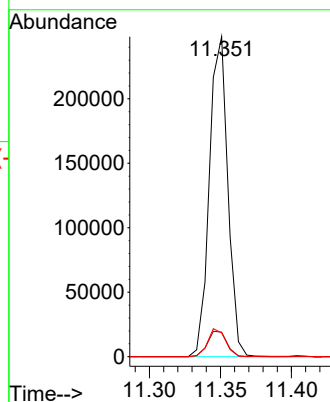
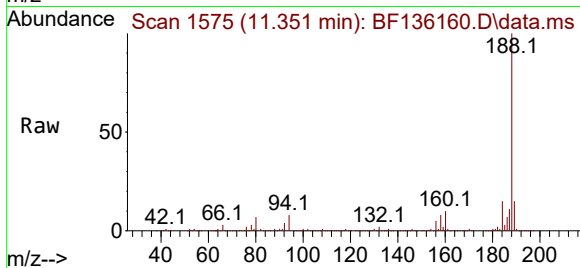
Tgt Ion:188 Resp: 224333

Ion Ratio Lower Upper

188 100

94 7.7 7.2 10.8

80 7.5 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.070 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.188 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

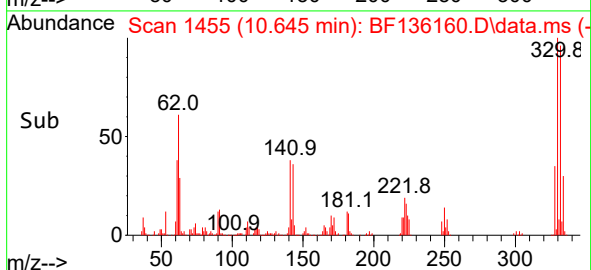
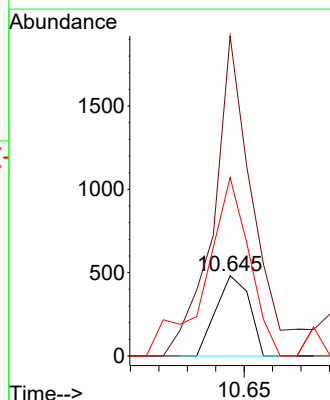
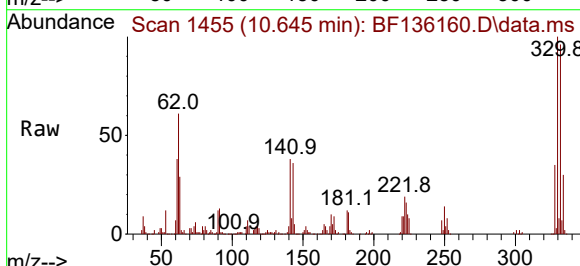
Tgt Ion:198 Resp: 392

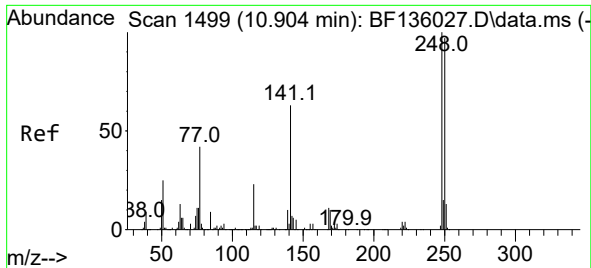
Ion Ratio Lower Upper

198 100

51 398.5 12.9 52.9#

105 222.4 16.0 56.0#

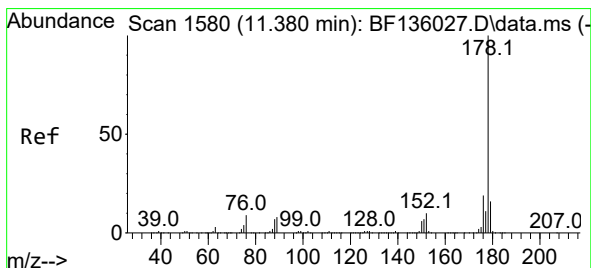
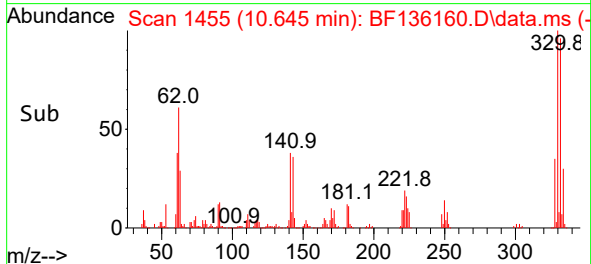
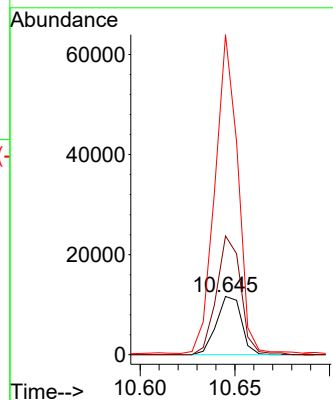
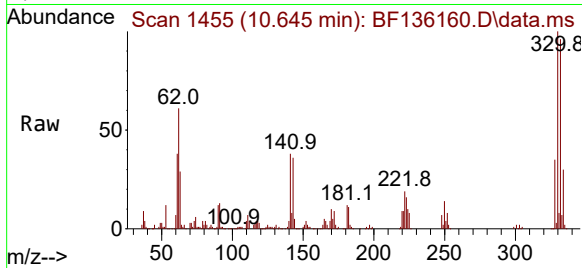




#67
4-Bromophenyl-phenylether
Concen: 4.550 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

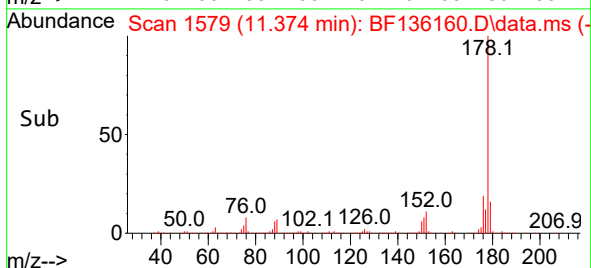
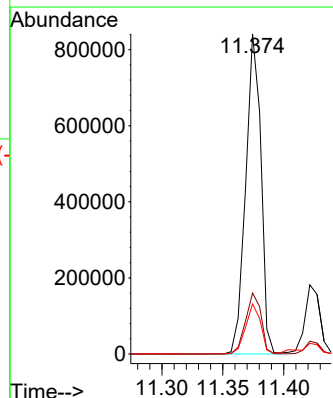
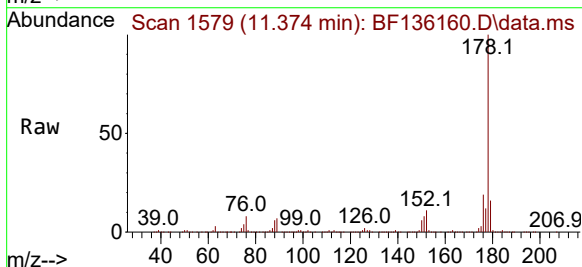
Instrument :
BNA_F
ClientSampleId :
WC-11

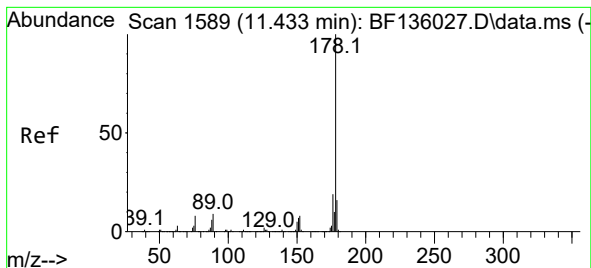
Tgt Ion:248 Resp: 10702
Ion Ratio Lower Upper
248 100
250 203.9 77.6 116.4#
141 549.9 50.4 75.6#



#71
Phenanthrene
Concen: 64.930 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:178 Resp: 733405
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.9 19.3





#72

Anthracene

Concen: 13.117 ng

RT: 11.421 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

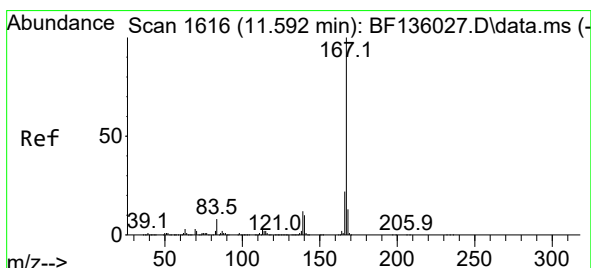
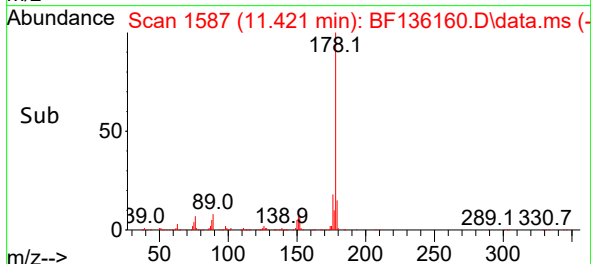
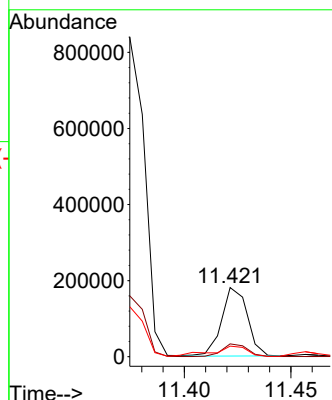
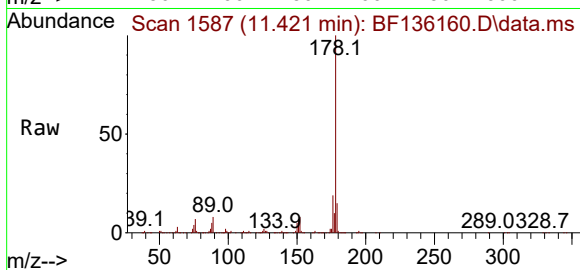
Tgt Ion:178 Resp: 151824

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

179 15.3 12.6 18.8



#73

Carbazole

Concen: 5.632 ng

RT: 11.580 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

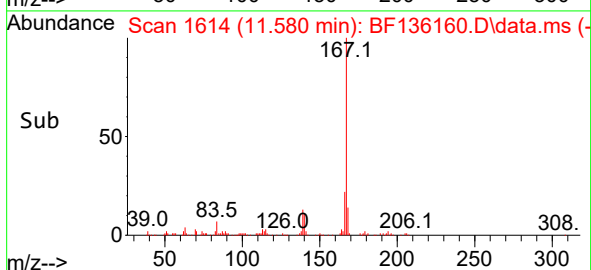
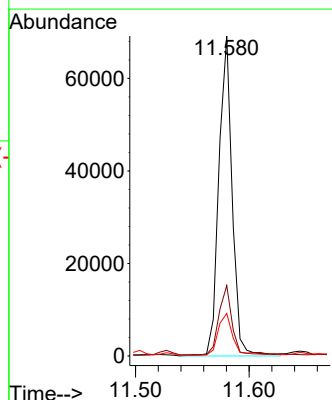
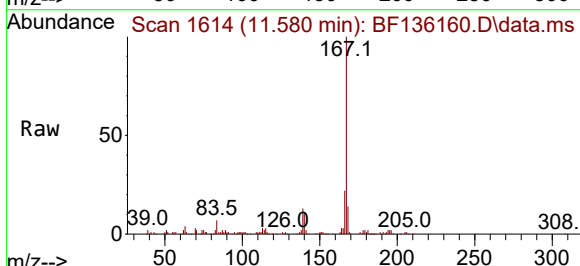
Tgt Ion:167 Resp: 56647

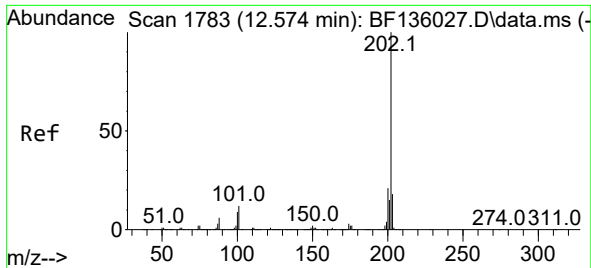
Ion Ratio Lower Upper

167 100

166 22.0 17.2 25.8

139 13.3 9.9 14.9

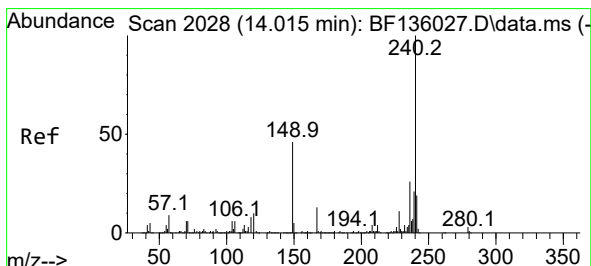
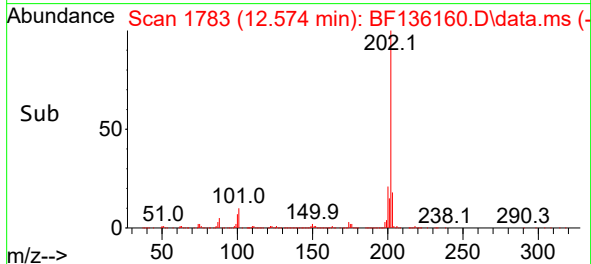
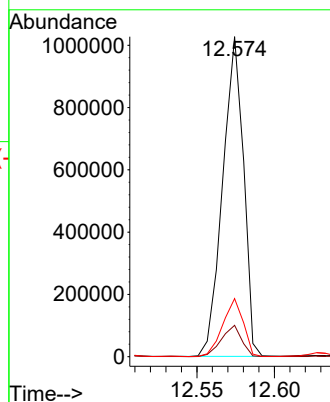
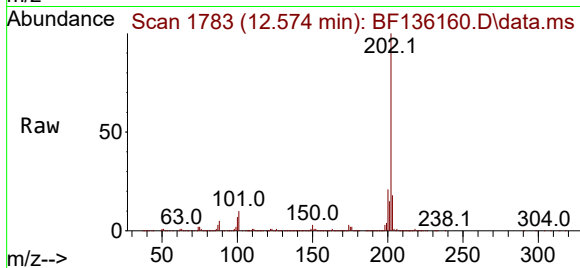




#75
Fluoranthene
Concen: 82.755 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

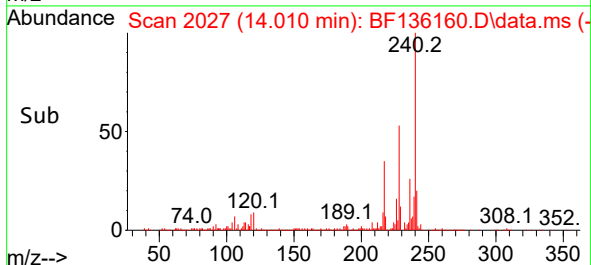
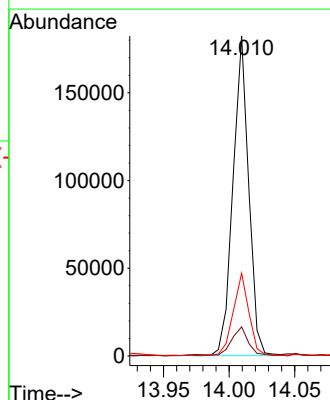
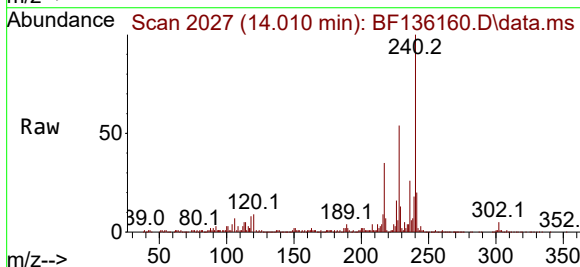
Instrument :
BNA_F
ClientSampleId :
WC-11

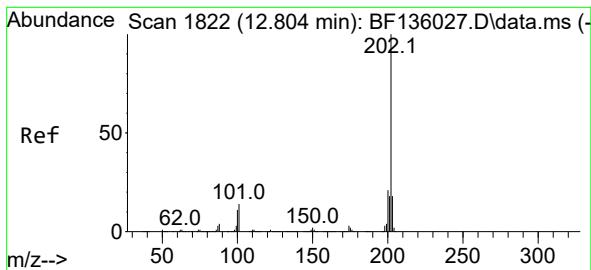
Tgt Ion:202 Resp: 960265
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 18.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:240 Resp: 152254
Ion Ratio Lower Upper
240 100
120 9.1 7.6 11.4
236 25.9 20.6 31.0





#78

Pyrene

Concen: 67.055 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

Instrument :

BNA_F

ClientSampleId :

WC-11

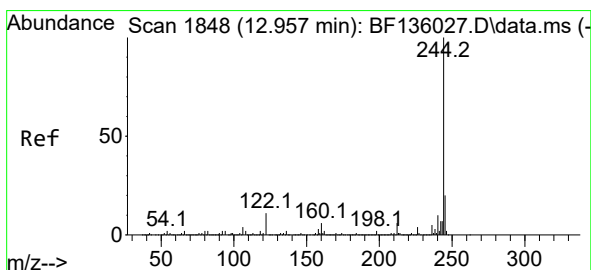
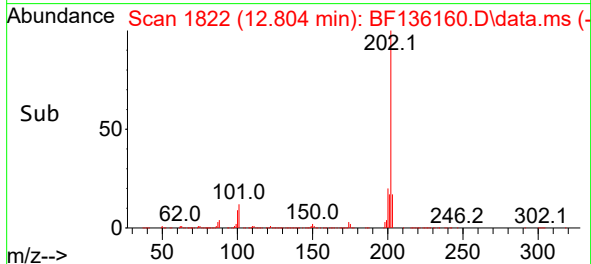
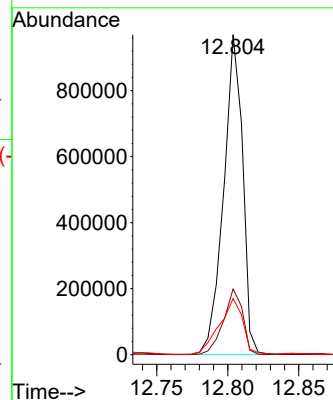
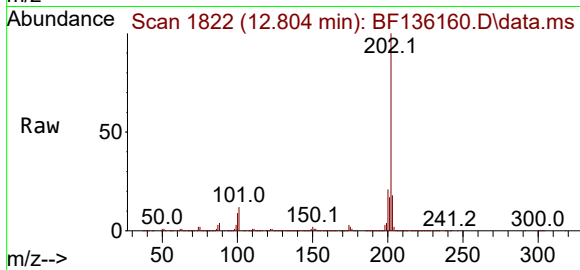
Tgt Ion:202 Resp: 900113

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 17.5 14.4 21.6



#79

Terphenyl-d14

Concen: 57.574 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF136160.D

Acq: 06 Nov 2023 17:59

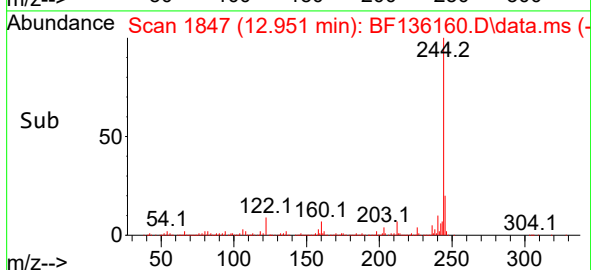
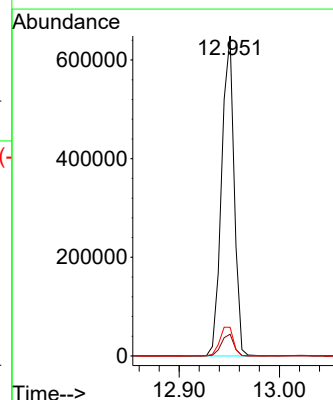
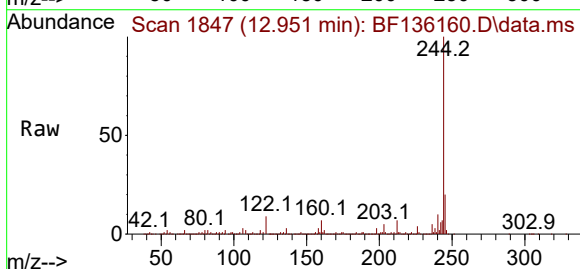
Tgt Ion:244 Resp: 564071

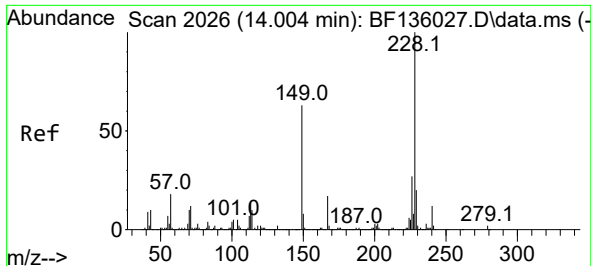
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 8.9 8.6 12.8

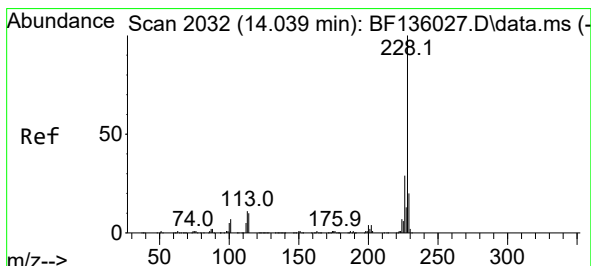
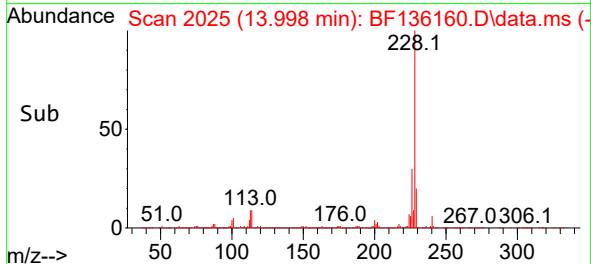
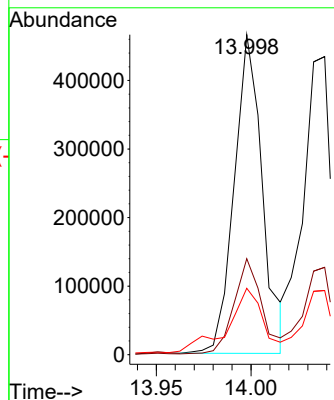
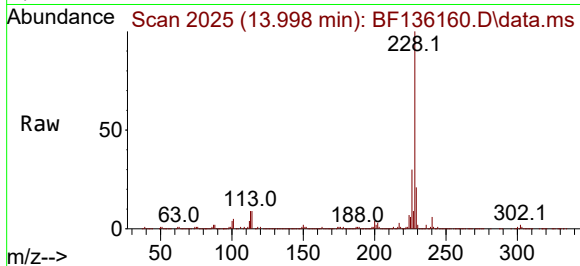




#81
Benzo(a)anthracene
Concen: 47.631 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

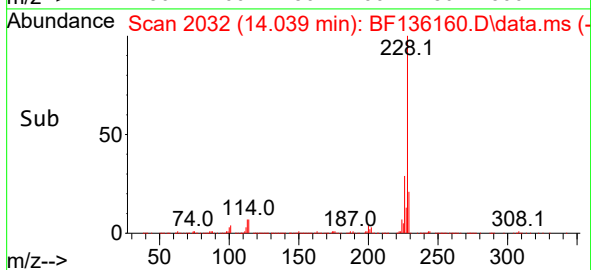
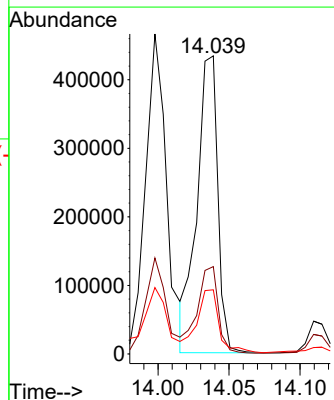
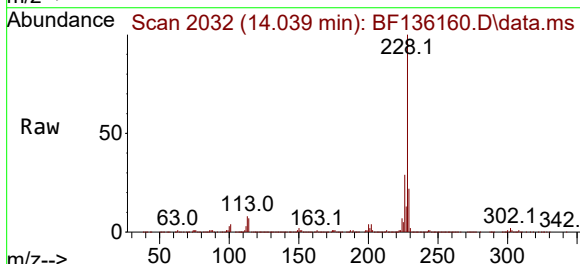
Instrument :
BNA_F
ClientSampleId :
WC-11

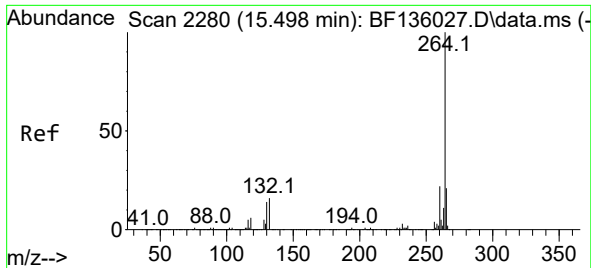
Tgt Ion:228 Resp: 480104
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 20.7 15.8 23.6



#83
Chrysene
Concen: 44.690 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:228 Resp: 443622
Ion Ratio Lower Upper
228 100
226 29.3 23.5 35.3
229 21.5 16.0 24.0



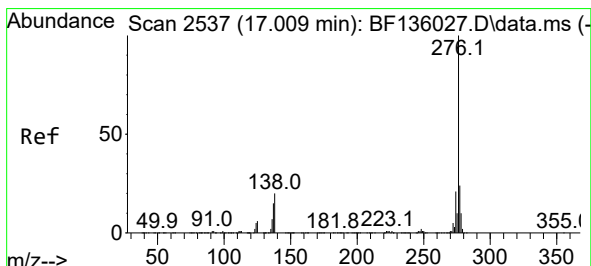
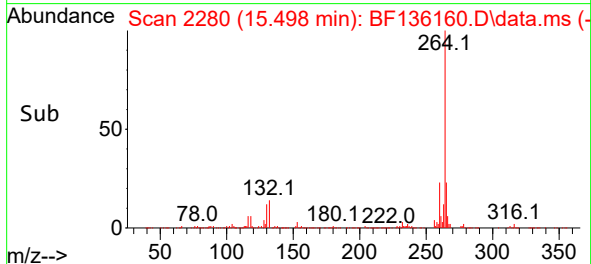
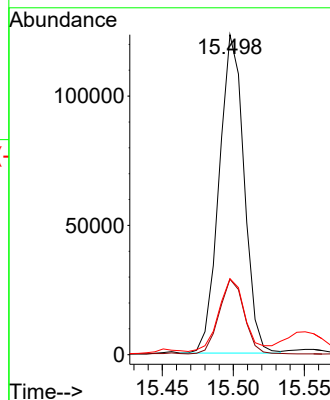
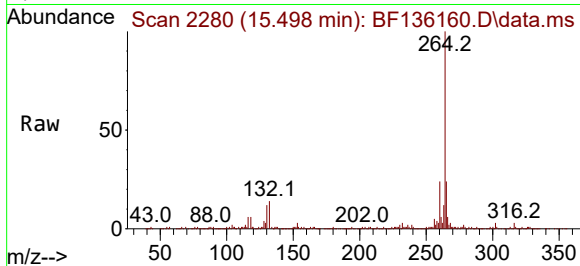


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Instrument :
BNA_F
ClientSampleId :
WC-11

Tgt Ion:264 Resp: 150237

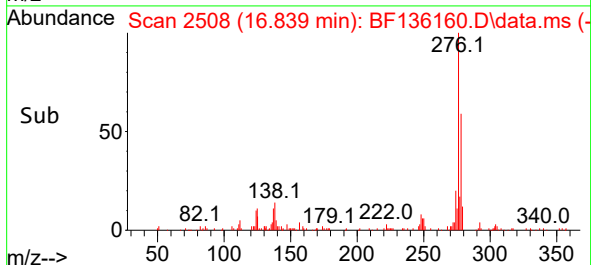
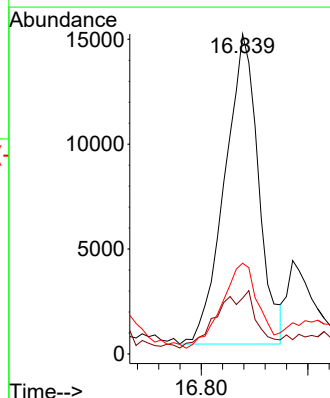
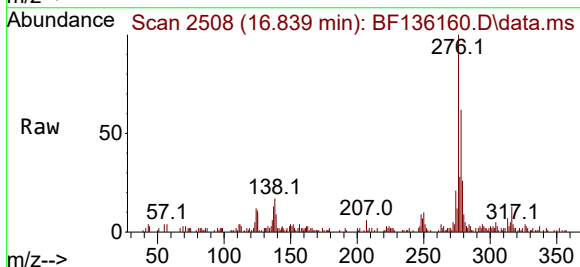
Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	23.8	16.8	25.2

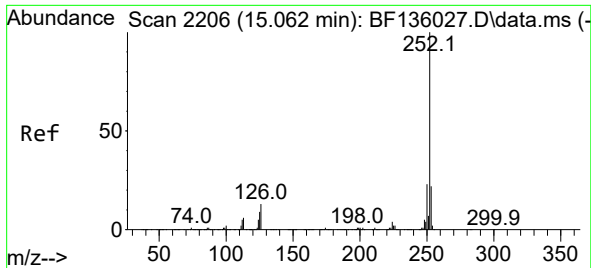


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.312 ng
RT: 16.839 min Scan# 2508
Delta R.T. -0.171 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:276 Resp: 32518

Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.4	30.6
277	29.4	20.2	30.2

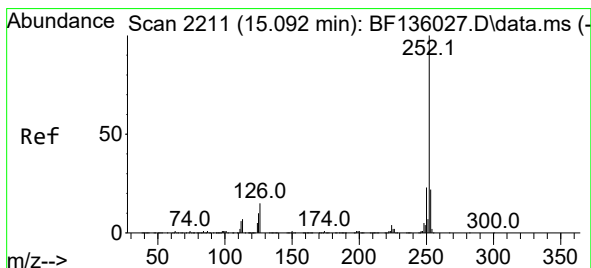
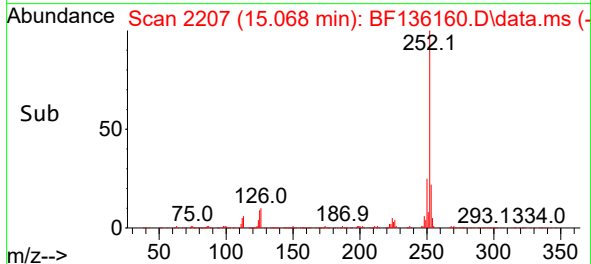
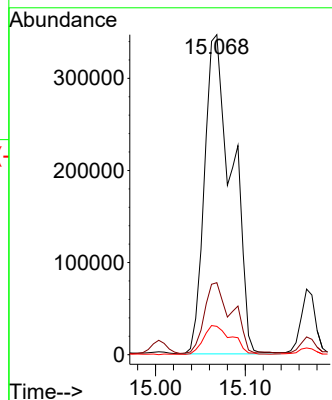
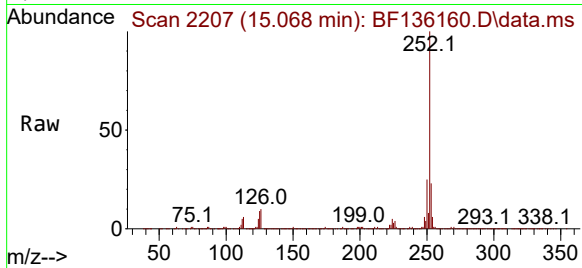




#88
Benzo(b)fluoranthene
Concen: 83.266 ng
RT: 15.068 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

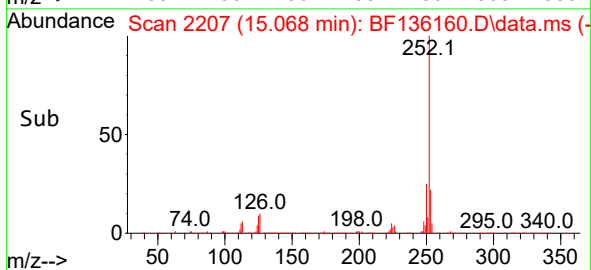
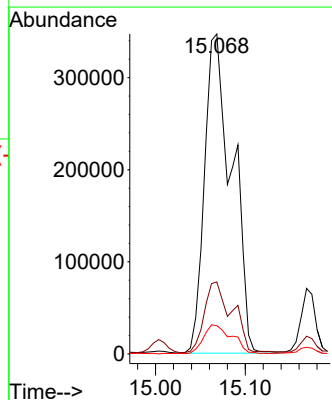
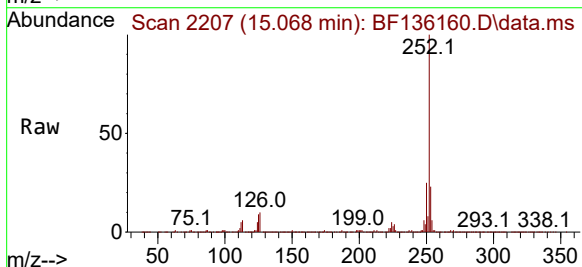
Instrument :
BNA_F
ClientSampleId :
WC-11

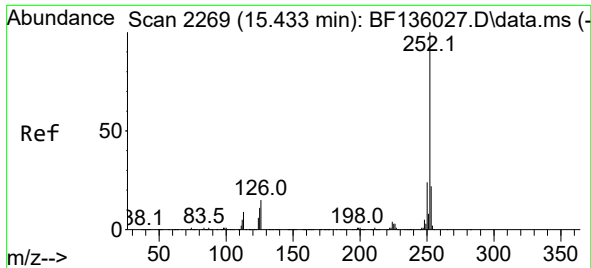
Tgt Ion:252 Resp: 740221
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 8.8 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 84.155 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.018 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:252 Resp: 740221
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 8.8 8.0 12.0

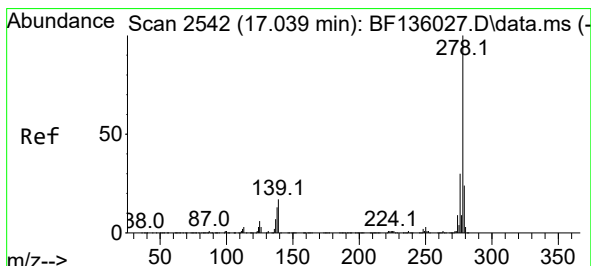
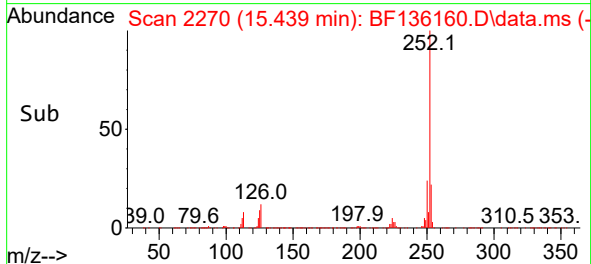
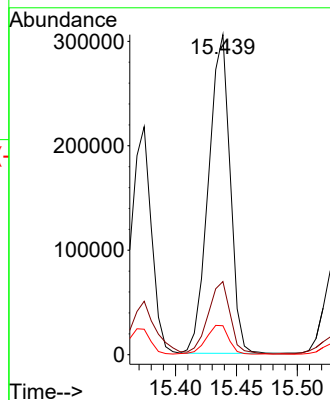
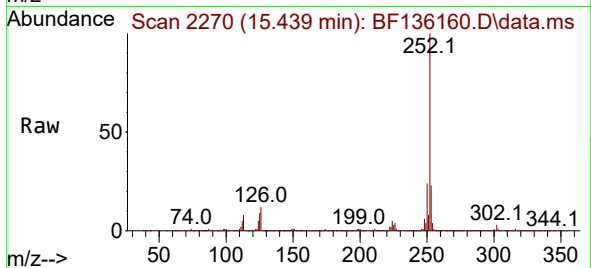




#90
Benzo(a)pyrene
Concen: 45.489 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

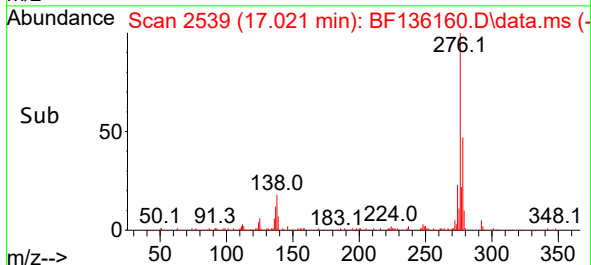
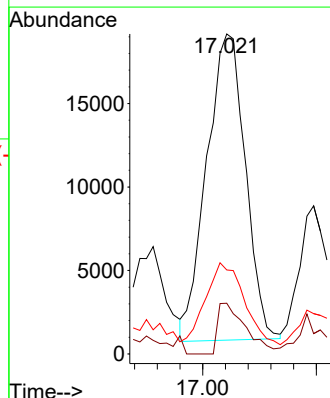
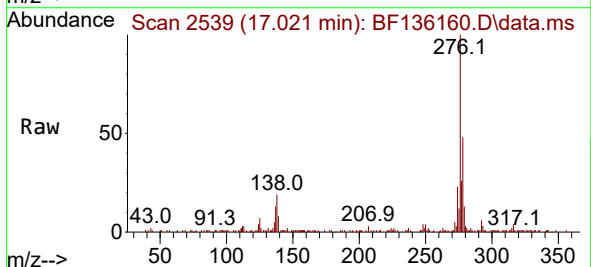
Instrument :
BNA_F
ClientSampleId :
WC-11

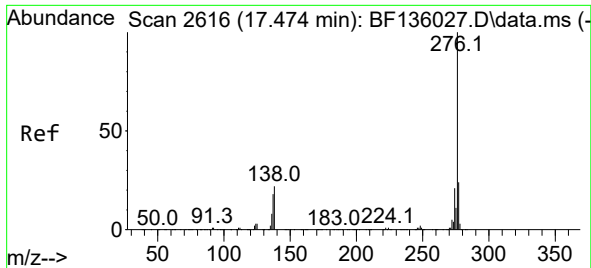
Tgt Ion:252 Resp: 375742
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 9.0 9.0 13.6



#91
Dibenzo(a,h)anthracene
Concen: 5.395 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.018 min
Lab File: BF136160.D
Acq: 06 Nov 2023 17:59

Tgt Ion:278 Resp: 43395
Ion Ratio Lower Upper
278 100
139 15.9 13.7 20.5
279 26.3 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 18.888 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136160.D
 Acq: 06 Nov 2023 17:59

Instrument :
 BNA_F
 ClientSampleId :
 WC-11

Tgt Ion:276 Resp: 155852
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.4
 138 18.2 17.4 26.2

