

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136157.D
 Acq On : 06 Nov 2023 16:28
 Operator : CG\JU
 Sample : 05256-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Nov 06 16:58:45 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)

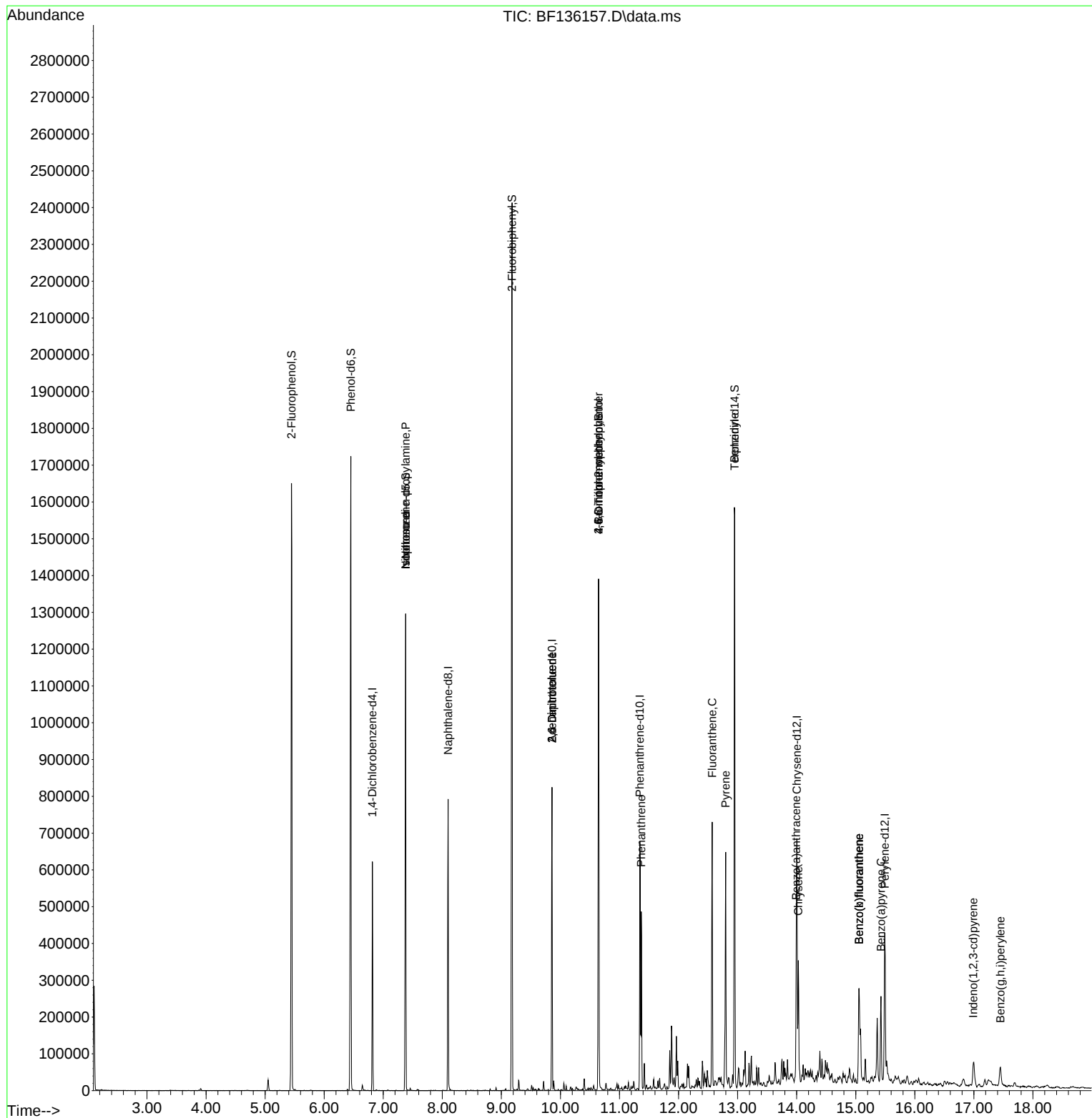
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	80592	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	307316	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	154275	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	249982	20.000	ng	0.00
76) Chrysene-d12	14.004	240	164217	20.000	ng	0.00
86) Perylene-d12	15.492	264	195986	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	476701	92.949	ng	0.00
7) Phenol-d6	6.451	99	576547	90.227	ng	0.00
23) Nitrobenzene-d5	7.381	82	362482	71.104	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	152776	92.777	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	709706	73.333	ng	0.00
79) Terphenyl-d14	12.951	244	569227	53.868	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	48616	13.315	ng	# 76
25) Isophorone	7.381	82	362478	37.663	ng	# 64
51) 2,6-Dinitrotoluene	9.857	165	19948	9.165	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	19948	7.244	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.645	198	359	6.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	9962	3.801	ng	# 1
71) Phenanthrene	11.369	178	174134	13.835	ng	99
75) Fluoranthene	12.568	202	268981	20.802	ng	96
77) Benzidine	12.945	184	7365	2.301	ng	# 86
78) Pyrene	12.798	202	242367	16.740	ng	98
81) Benzo(a)anthracene	13.992	228	121814	11.205	ng	97
83) Chrysene	14.027	228	119870	11.196	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	48457	3.783	ng	94
88) Benzo(b)fluoranthene	15.057	252	212072	18.287	ng	99
89) Benzo(k)fluoranthene	15.057	252	212072	18.482	ng	100
90) Benzo(a)pyrene	15.427	252	110015	10.210	ng	98
92) Benzo(g,h,i)perylene	17.451	276	43636	6.328	ng	95

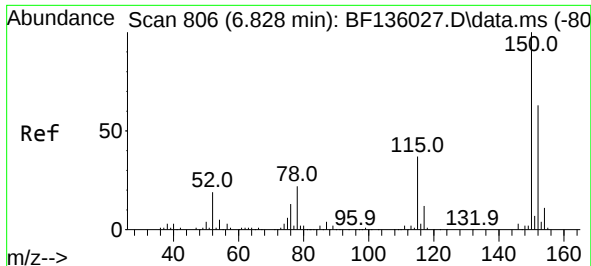
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 16:58:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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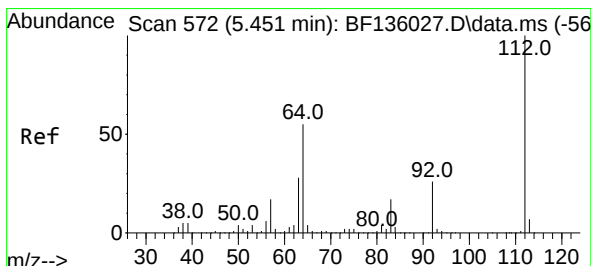
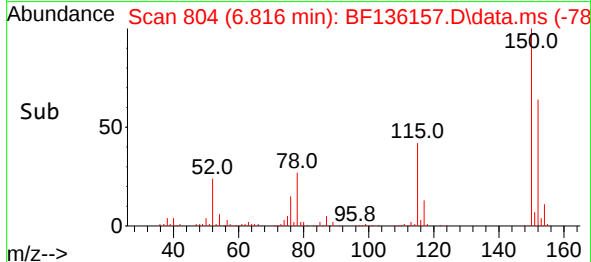
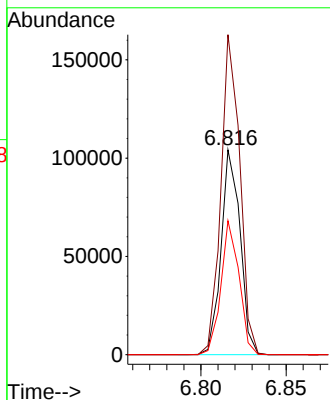
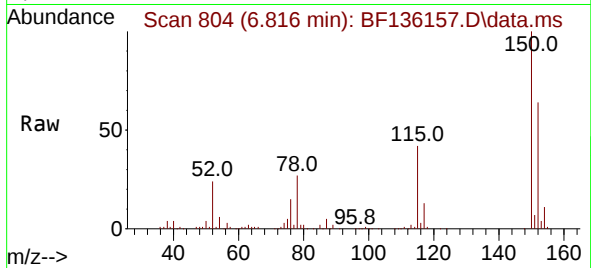




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

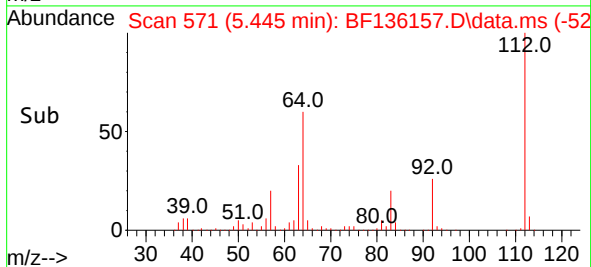
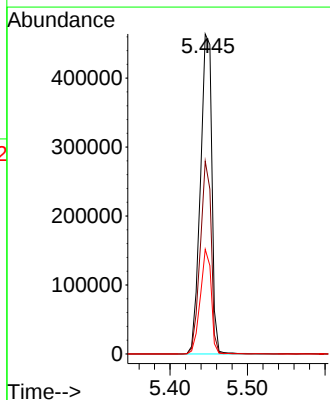
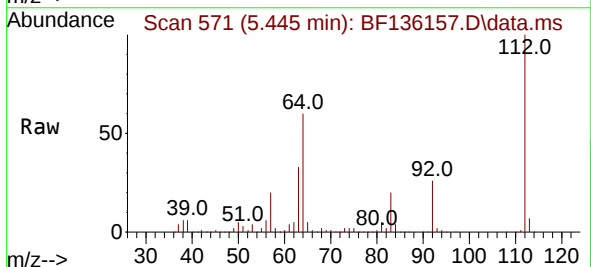
Instrument :
BNA_F
ClientSampleId :
WC-1

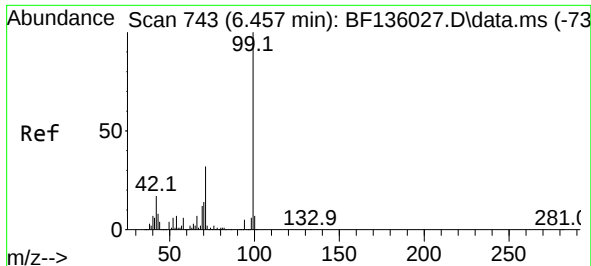
Tgt Ion:152 Resp: 80592
Ion Ratio Lower Upper
152 100
150 156.2 126.4 189.6
115 65.4 47.0 70.4



#5
2-Fluorophenol
Concen: 92.949 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:112 Resp: 476701
Ion Ratio Lower Upper
112 100
64 60.2 43.9 65.9
63 32.7 22.4 33.6

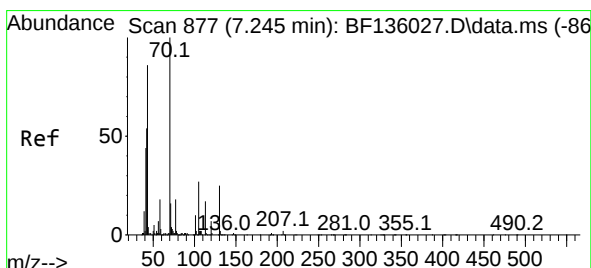
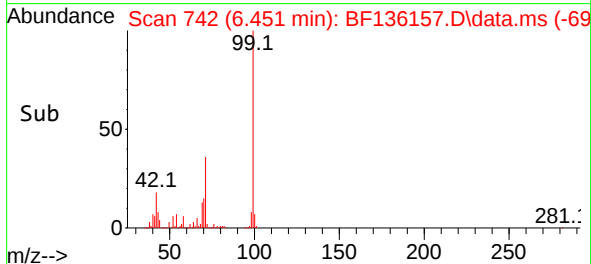
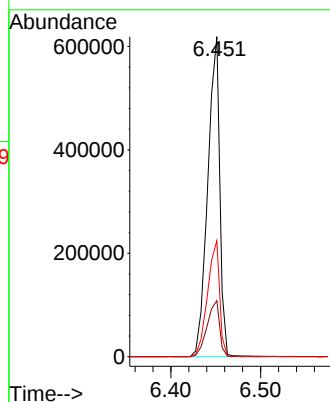
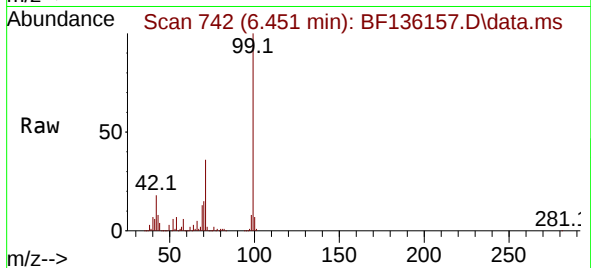




#7
Phenol-d6
Concen: 90.227 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

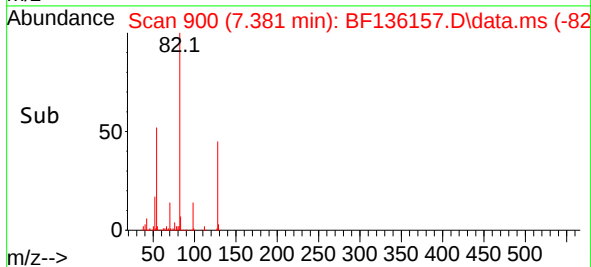
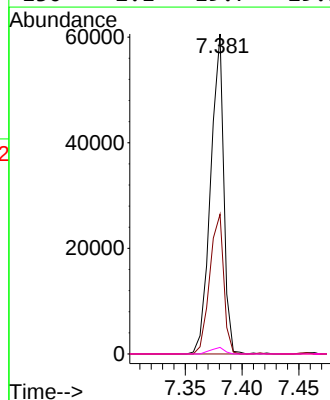
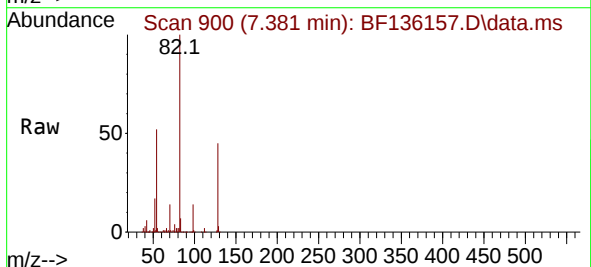
Instrument :
BNA_F
ClientSampleId :
WC-1

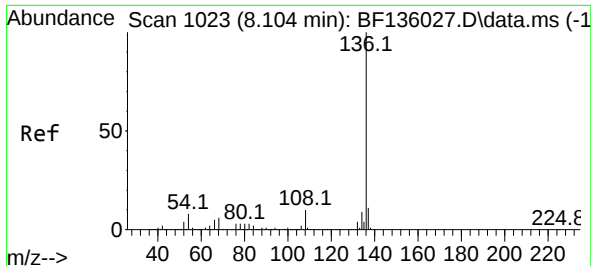
Tgt Ion: 99 Resp: 576547
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 36.3 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.315 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion: 70 Resp: 48616
Ion Ratio Lower Upper
70 100
42 43.7 43.0 64.4
101 0.0 8.0 12.0#
130 2.1 19.7 29.5#

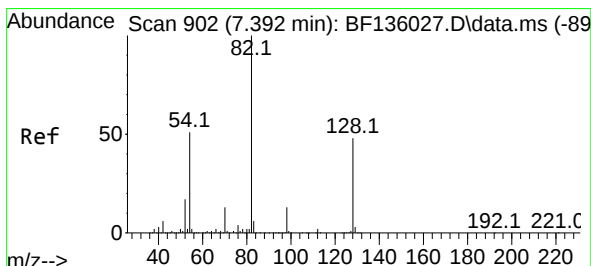
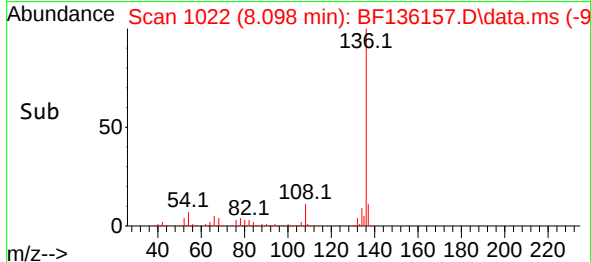
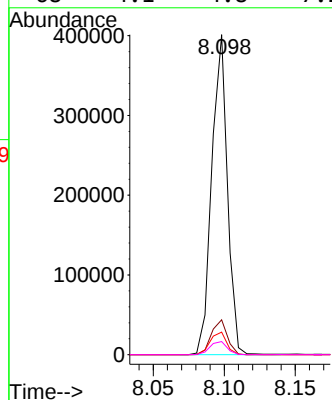
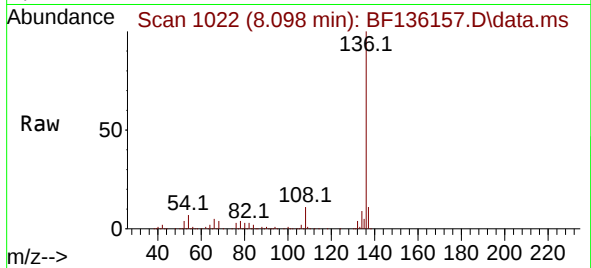




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

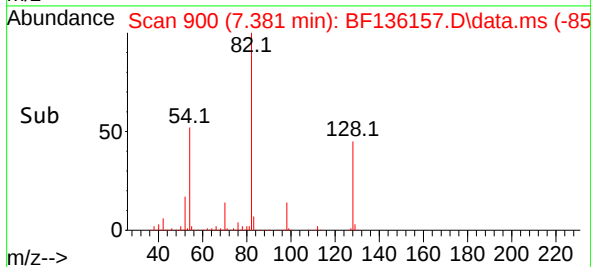
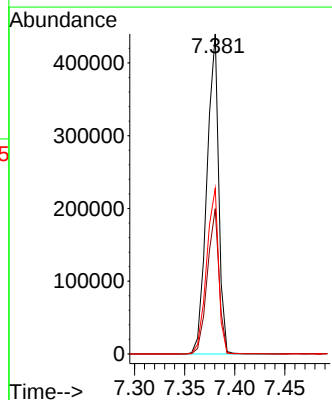
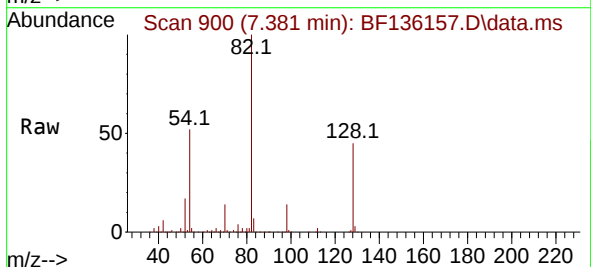
Instrument :
BNA_F
ClientSampleId :
WC-1

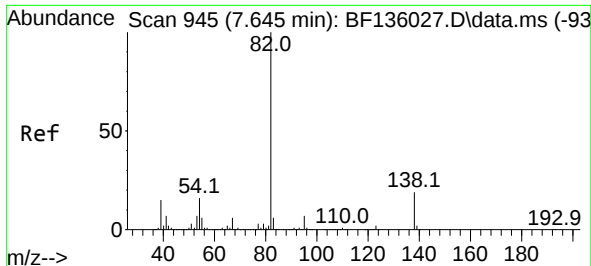
Tgt	Ion:136	Resp:	307316
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.1	6.6	9.8
68	4.1	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 71.104 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion: 82	Resp: 362482
Ion Ratio	Lower Upper
82 100	
128 45.4	38.6 57.8
54 51.8	40.8 61.2

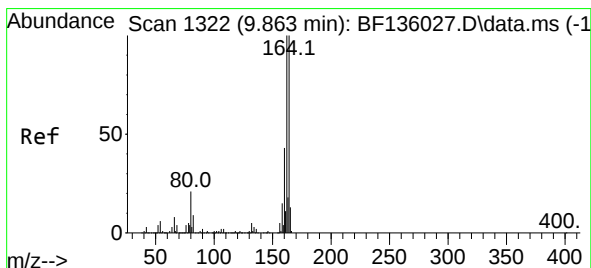
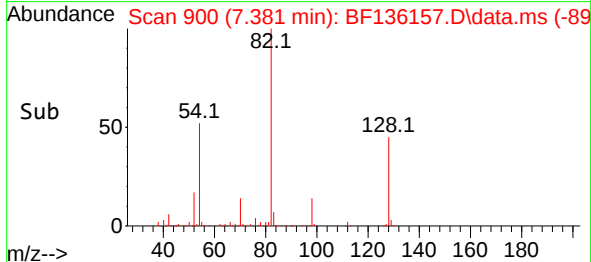
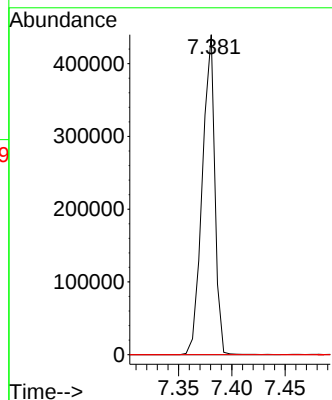
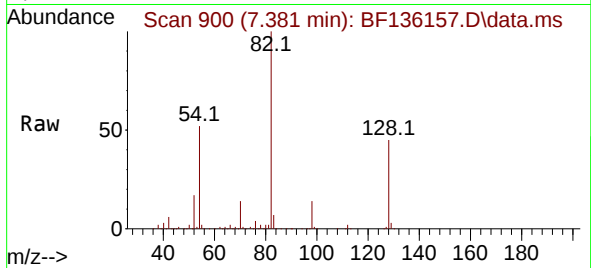




#25
Isophorone
Concen: 37.663 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

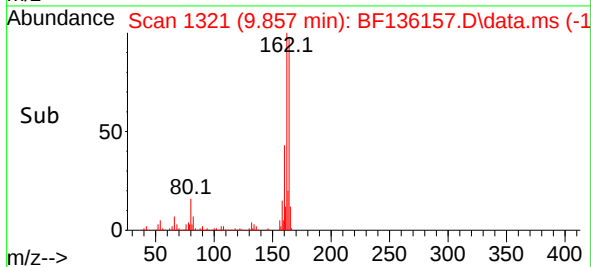
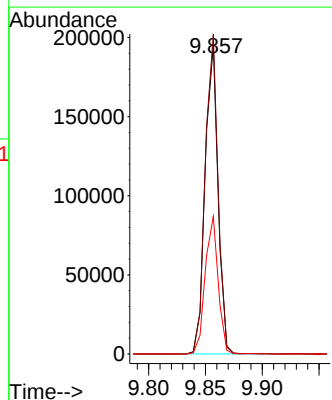
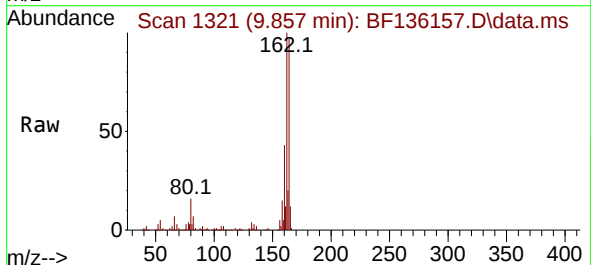
Instrument :
BNA_F
ClientSampleId :
WC-1

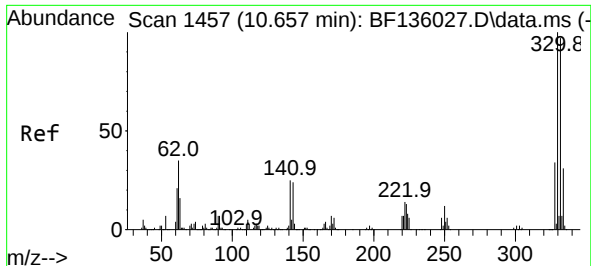
Tgt Ion: 82 Resp: 362478
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:164 Resp: 154275
Ion Ratio Lower Upper
164 100
162 103.6 80.1 120.1
160 44.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 92.777 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

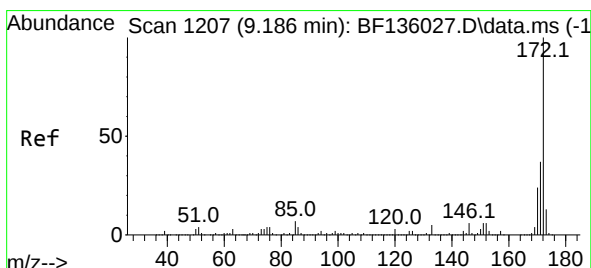
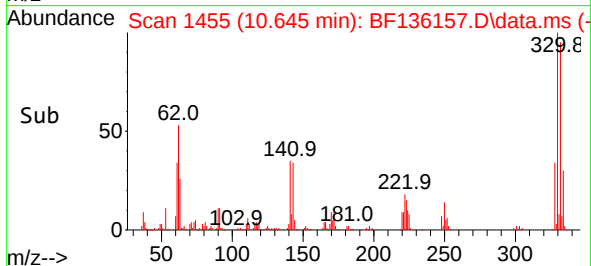
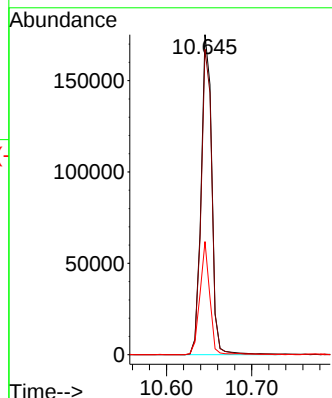
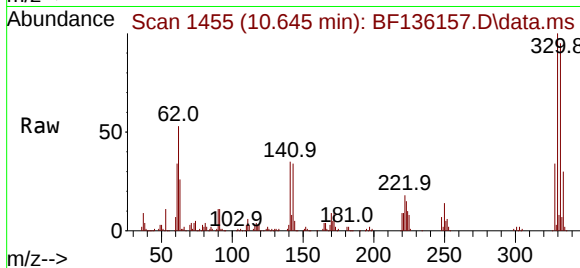
Tgt Ion:330 Resp: 152776

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 32.7 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 73.333 ng

RT: 9.180 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

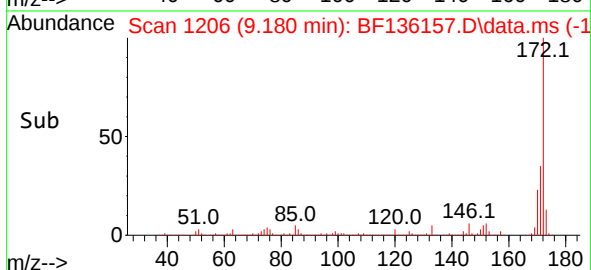
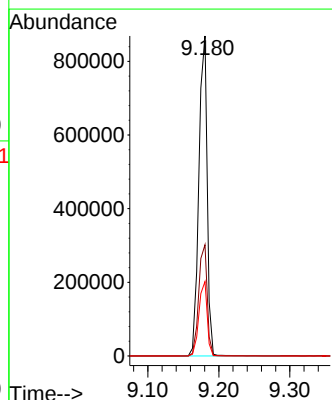
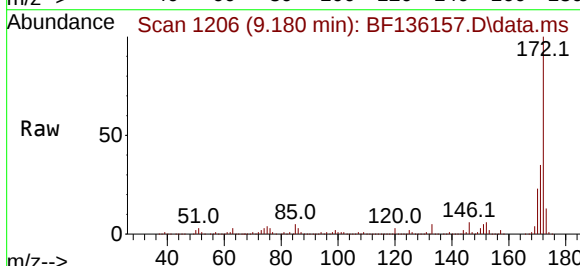
Tgt Ion:172 Resp: 709706

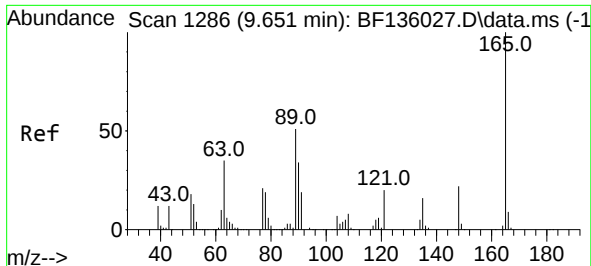
Ion Ratio Lower Upper

172 100

171 34.8 29.4 44.0

170 23.2 19.3 28.9

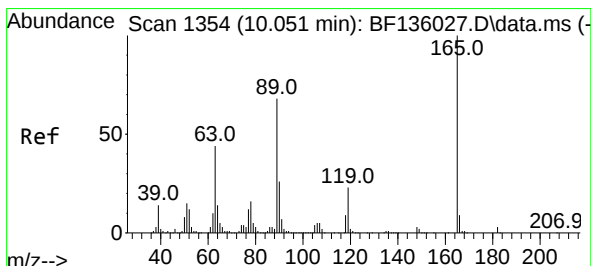
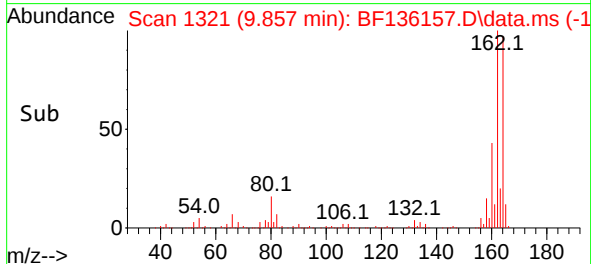
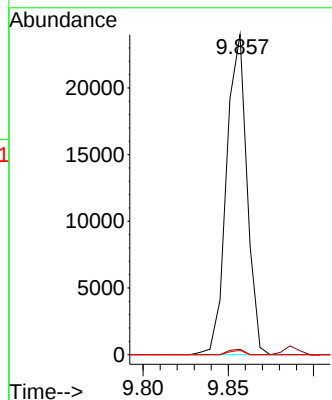
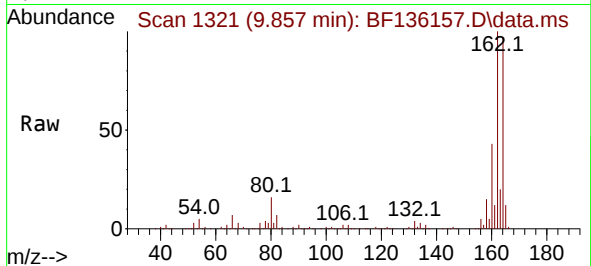




#51
2,6-Dinitrotoluene
Concen: 9.165 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

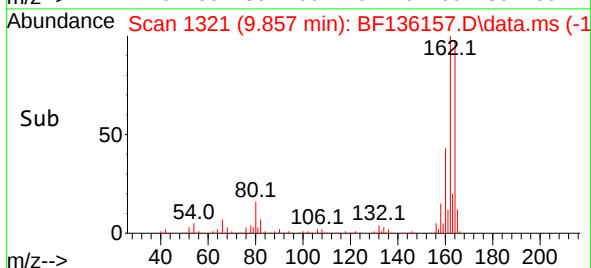
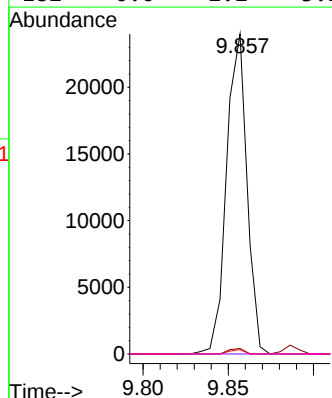
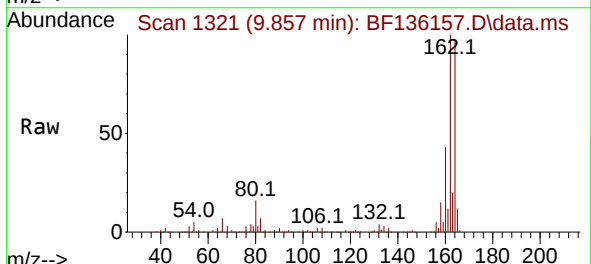
Instrument :
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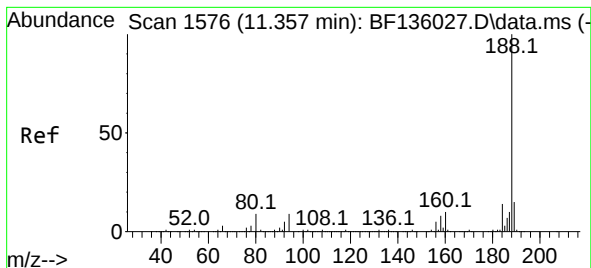
Tgt Ion:165 Resp: 19948
Ion Ratio Lower Upper
165 100
63 1.7 40.8 61.2#
89 1.3 41.1 61.7#



#57
2,4-Dinitrotoluene
Concen: 7.244 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:165 Resp: 19948
Ion Ratio Lower Upper
165 100
63 1.7 35.2 52.8#
89 1.3 54.8 82.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

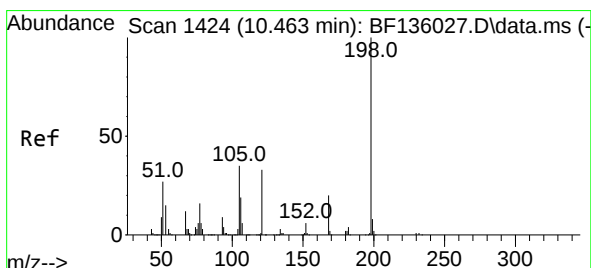
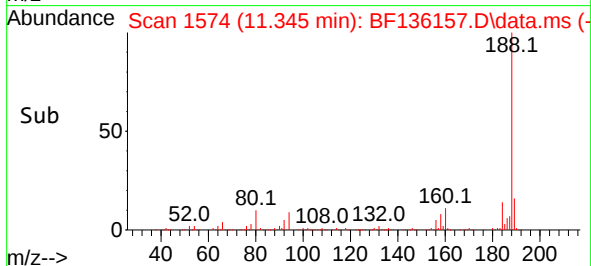
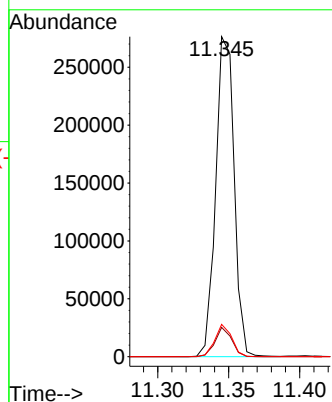
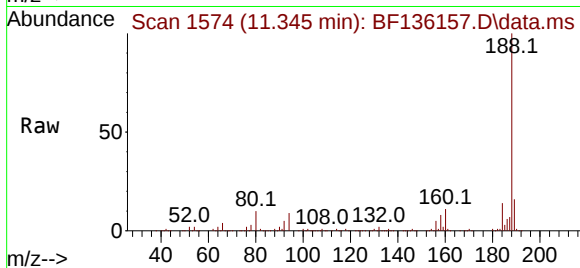
Tgt Ion:188 Resp: 249982

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 10.1 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.021 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.188 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

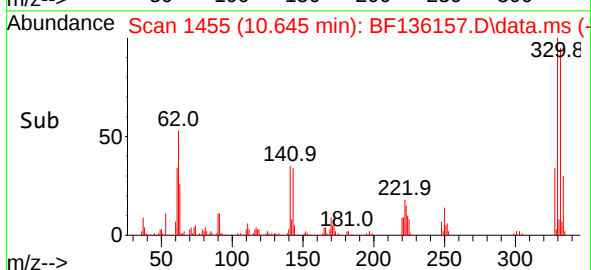
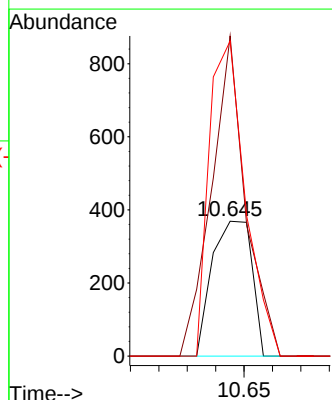
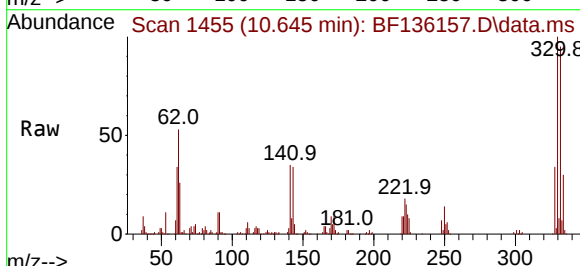
Tgt Ion:198 Resp: 359

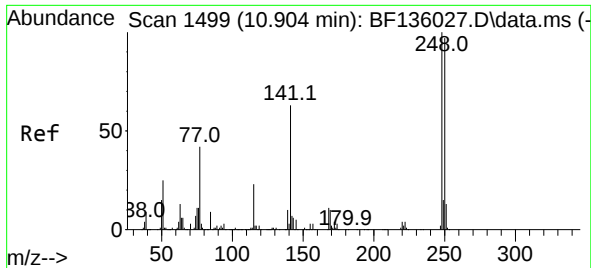
Ion Ratio Lower Upper

198 100

51 237.4 12.9 52.9#

105 233.6 16.0 56.0#

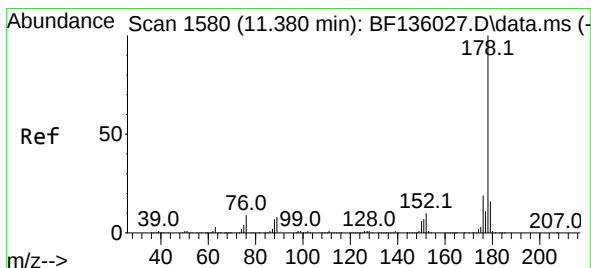
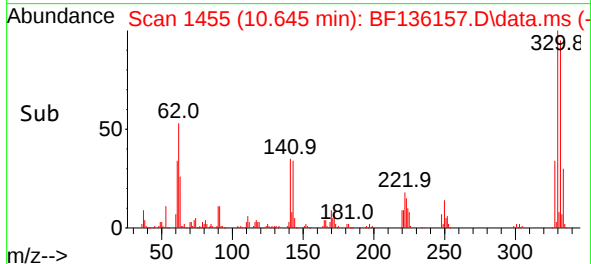
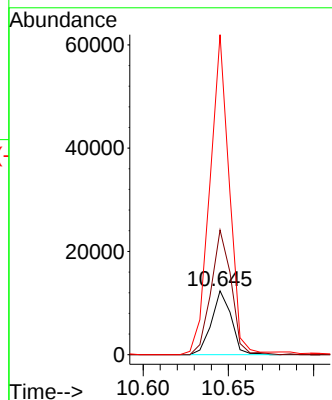
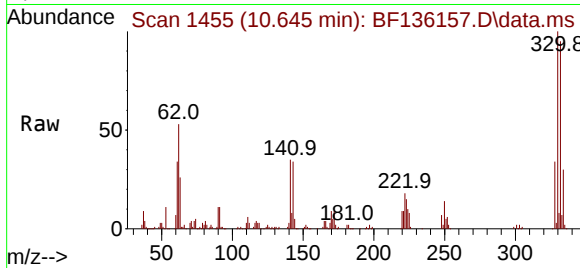




#67
4-Bromophenyl-phenylether
Concen: 3.801 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

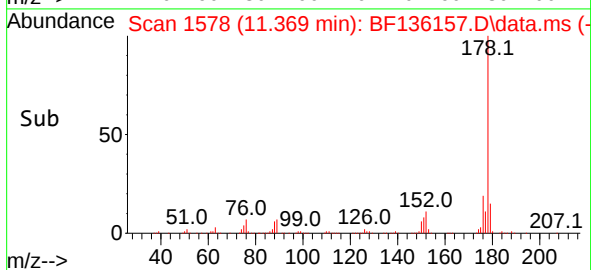
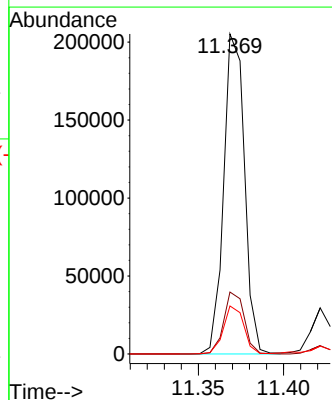
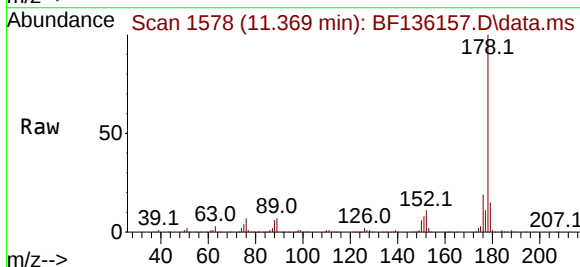
Instrument :
BNA_F
ClientSampleId :
WC-1

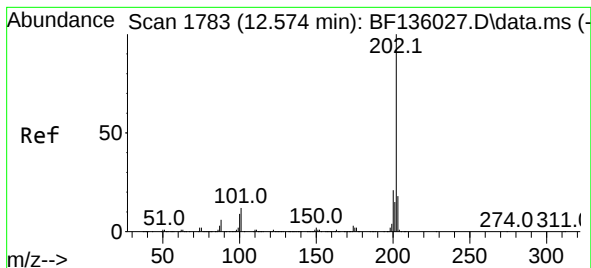
Tgt Ion:248 Resp: 9962
Ion Ratio Lower Upper
248 100
250 195.3 77.6 116.4#
141 501.6 50.4 75.6#



#71
Phenanthrene
Concen: 13.835 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:178 Resp: 174134
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.0 12.9 19.3





#75

Fluoranthene

Concen: 20.802 ng

RT: 12.568 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

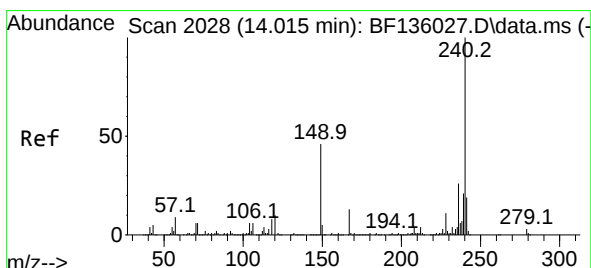
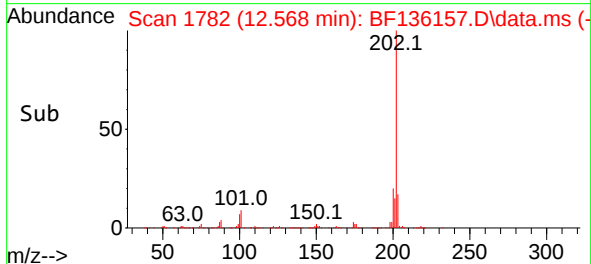
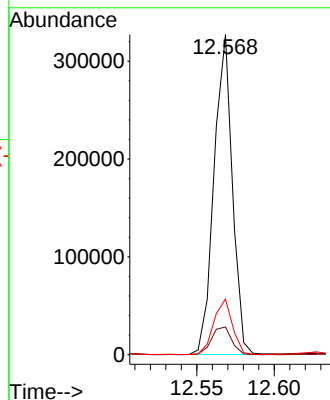
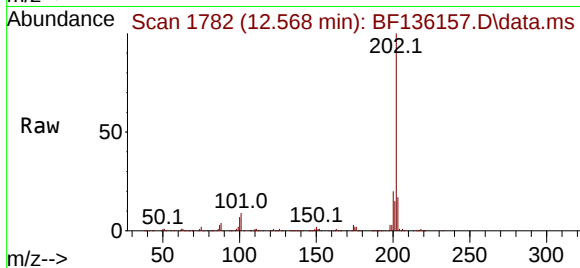
Tgt Ion:202 Resp: 268981

Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.8

203 17.3 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

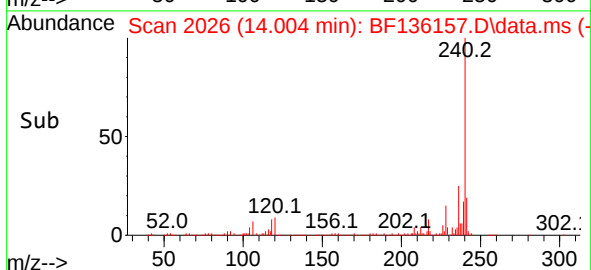
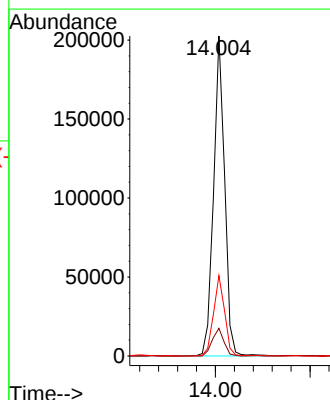
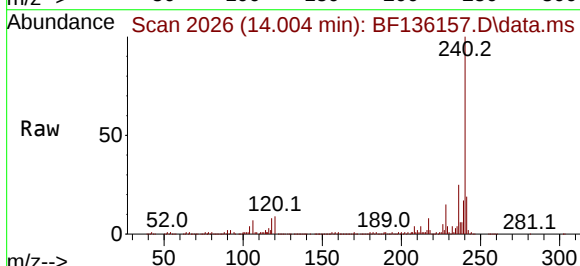
Tgt Ion:240 Resp: 164217

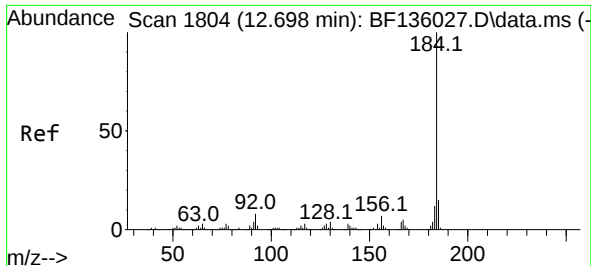
Ion Ratio Lower Upper

240 100

120 8.7 7.6 11.4

236 25.1 20.6 31.0

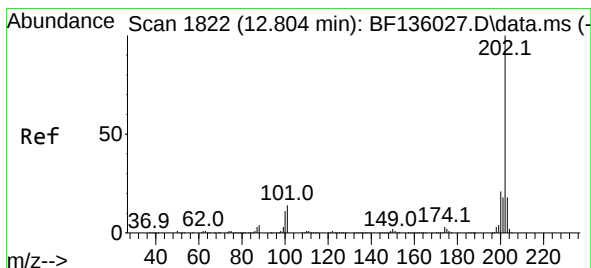
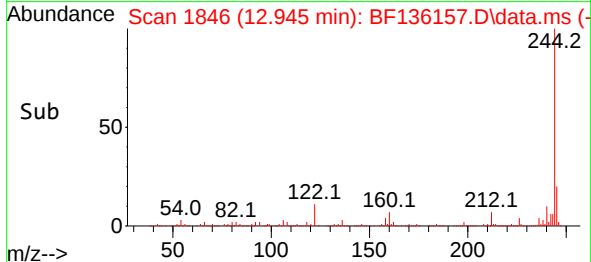
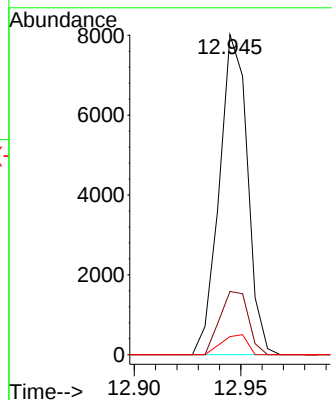
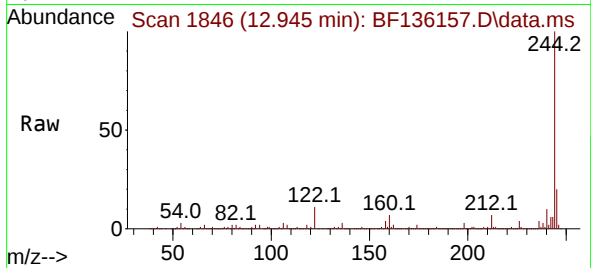




#77
Benzidine
Concen: 2.301 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

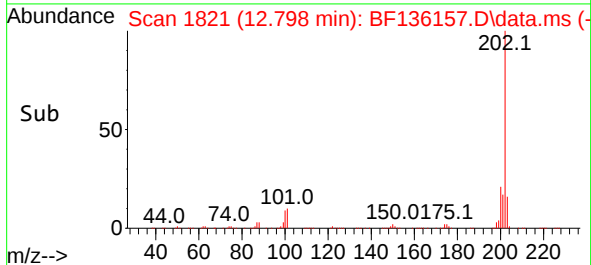
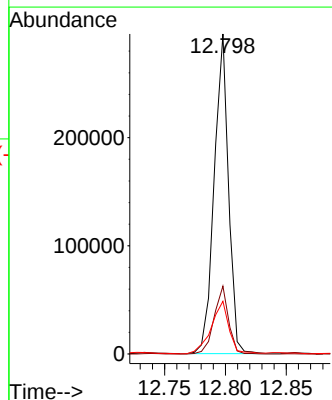
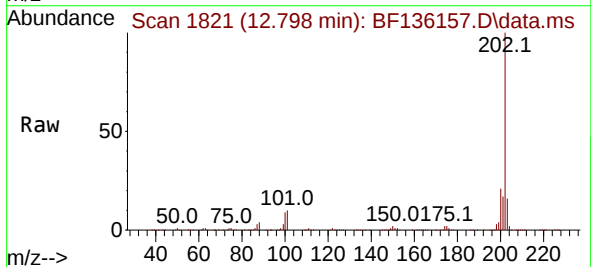
Instrument :
BNA_F
ClientSampleId :
WC-1

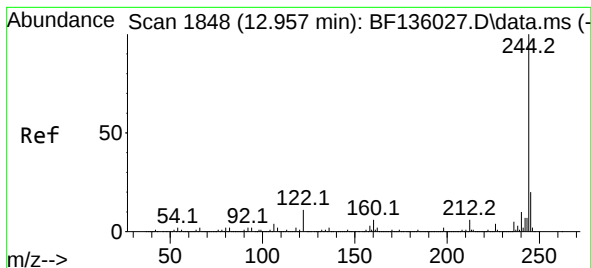
Tgt Ion:184 Resp: 7365
Ion Ratio Lower Upper
184 100
185 19.8 11.8 17.8#
183 5.6 9.5 14.3#



#78
Pyrene
Concen: 16.740 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:202 Resp: 242367
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 16.5 14.4 21.6





#79

Terphenyl-d14

Concen: 53.868 ng

RT: 12.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

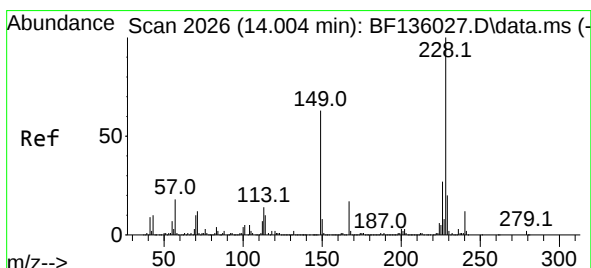
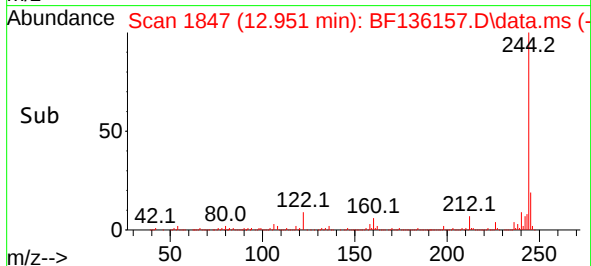
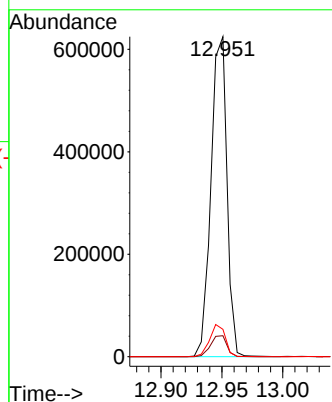
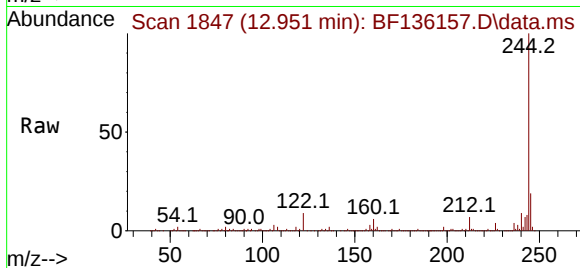
Tgt Ion:244 Resp: 569227

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 8.6 8.6 12.8



#81

Benzo(a)anthracene

Concen: 11.205 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

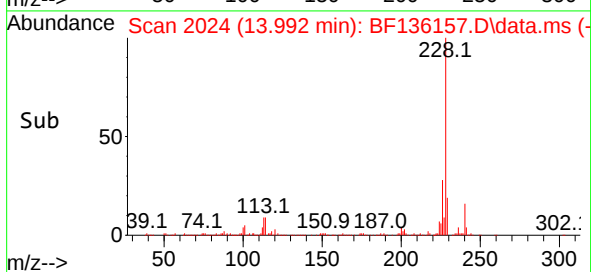
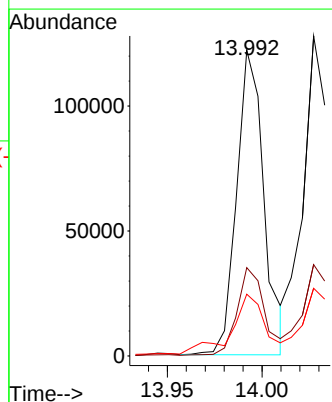
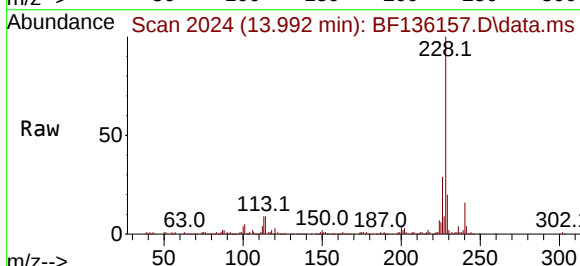
Tgt Ion:228 Resp: 121814

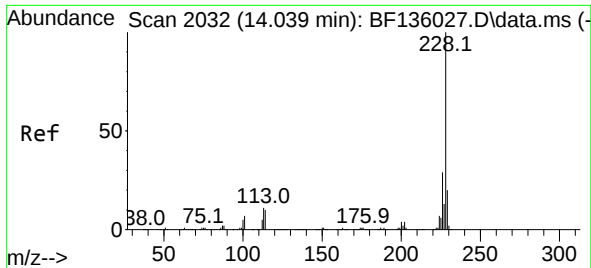
Ion Ratio Lower Upper

228 100

226 28.9 21.5 32.3

229 20.2 15.8 23.6

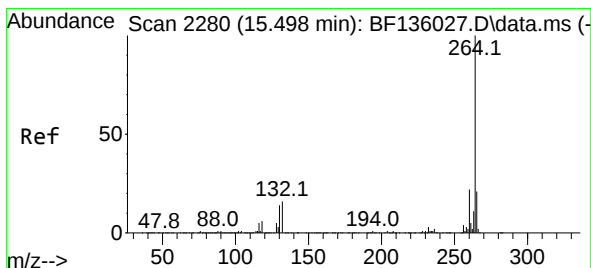
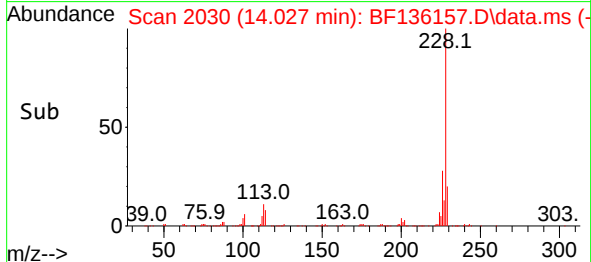
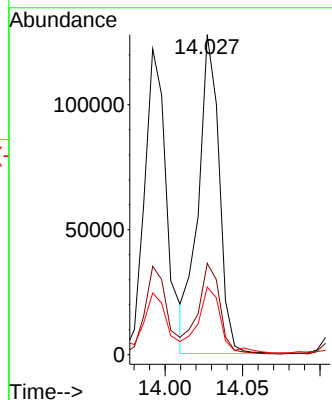
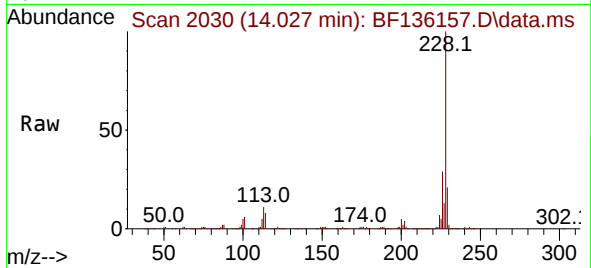




#83
Chrysene
Concen: 11.196 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

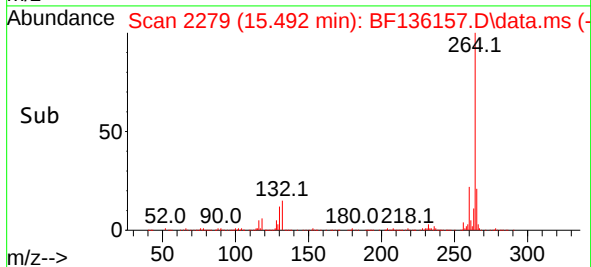
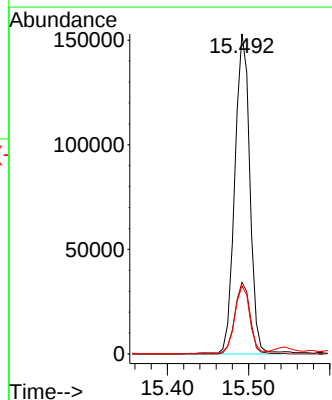
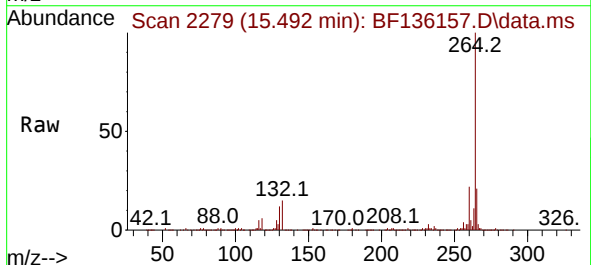
Instrument :
BNA_F
ClientSampleId :
WC-1

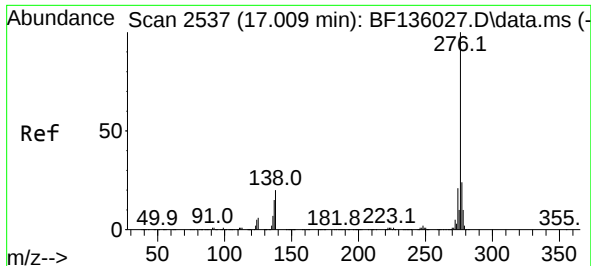
Tgt Ion:228 Resp: 119870
Ion Ratio Lower Upper
228 100
226 28.6 23.5 35.3
229 21.1 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF136157.D
Acq: 06 Nov 2023 16:28

Tgt Ion:264 Resp: 195986
Ion Ratio Lower Upper
264 100
260 22.4 17.9 26.9
265 21.2 16.8 25.2

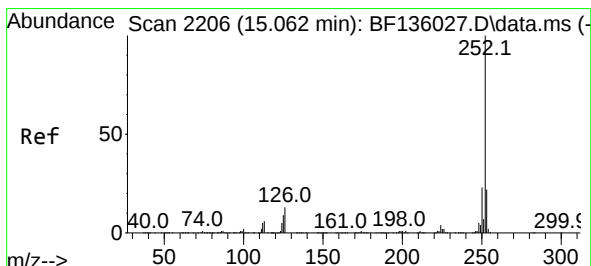
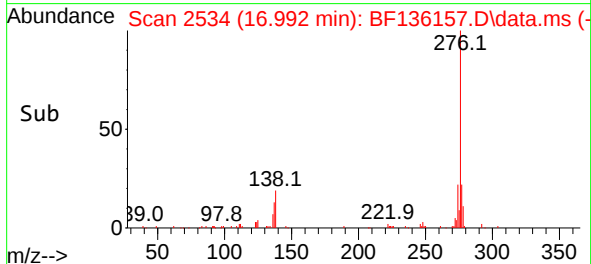
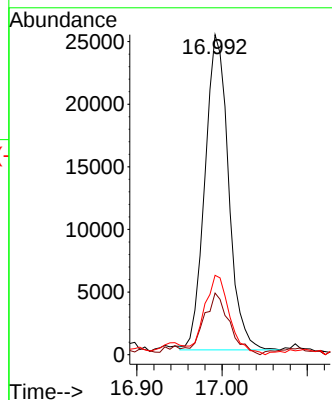
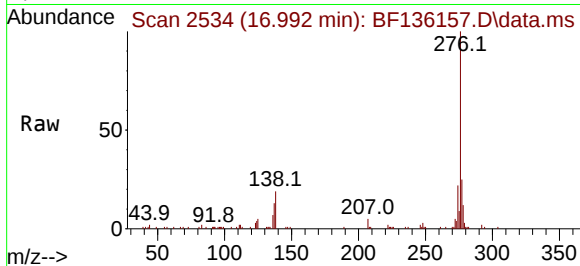




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.783 ng
 RT: 16.992 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF136157.D
 Acq: 06 Nov 2023 16:28

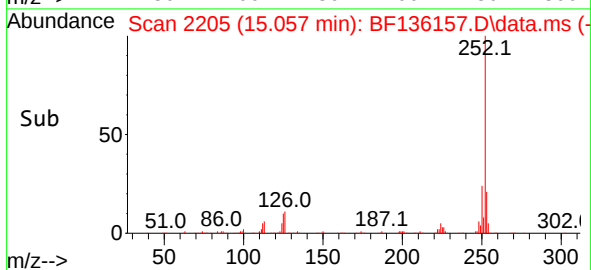
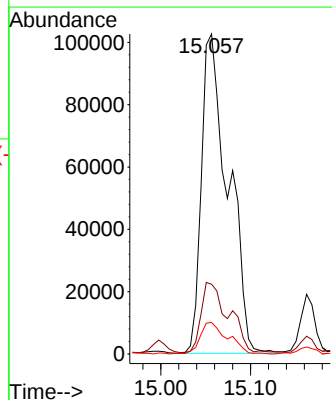
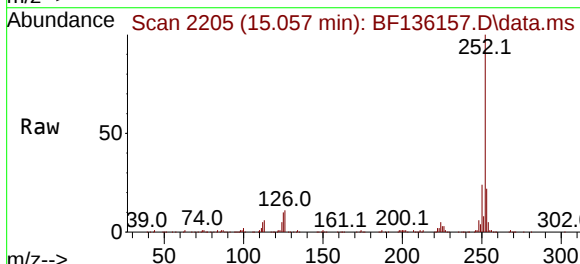
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

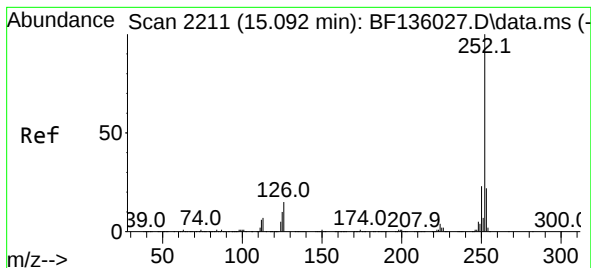
Tgt Ion:276 Resp: 48457
 Ion Ratio Lower Upper
 276 100
 138 20.8 20.4 30.6
 277 26.6 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 18.287 ng
 RT: 15.057 min Scan# 2205
 Delta R.T. 0.000 min
 Lab File: BF136157.D
 Acq: 06 Nov 2023 16:28

Tgt Ion:252 Resp: 212072
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.7 26.5
 125 9.8 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 18.482 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

Instrument :

BNA_F

ClientSampleId :

WC-1

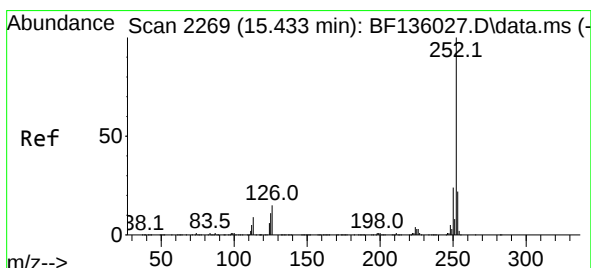
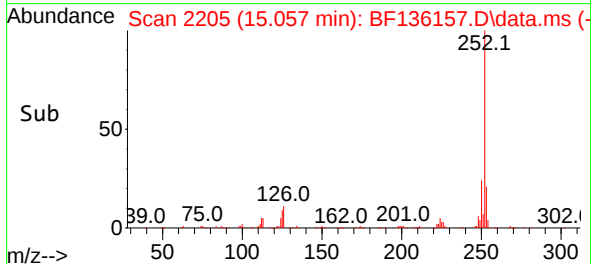
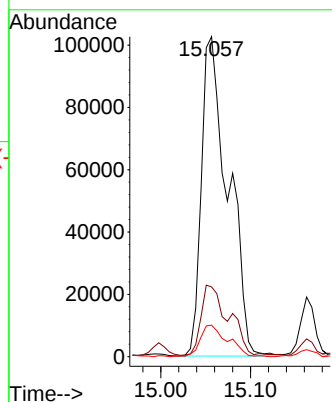
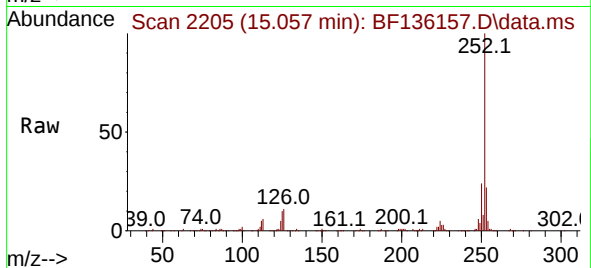
Tgt Ion:252 Resp: 212072

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.8 8.0 12.0



#90

Benzo(a)pyrene

Concen: 10.210 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF136157.D

Acq: 06 Nov 2023 16:28

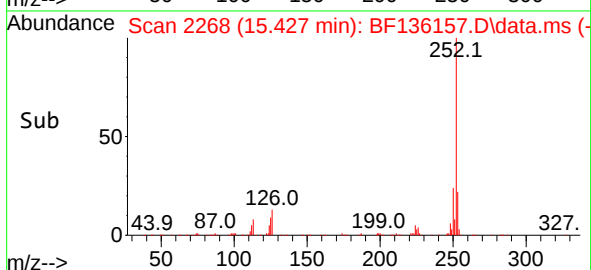
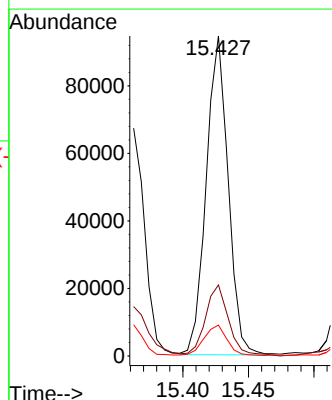
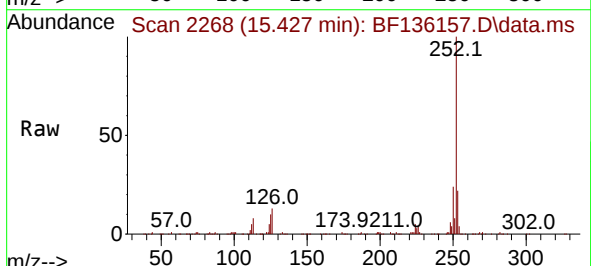
Tgt Ion:252 Resp: 110015

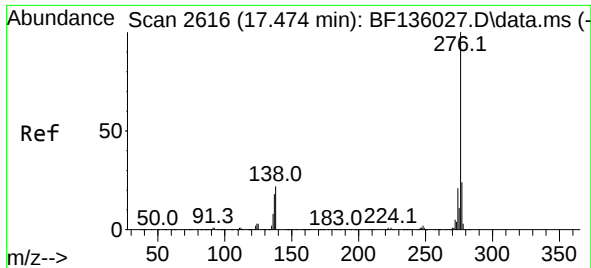
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

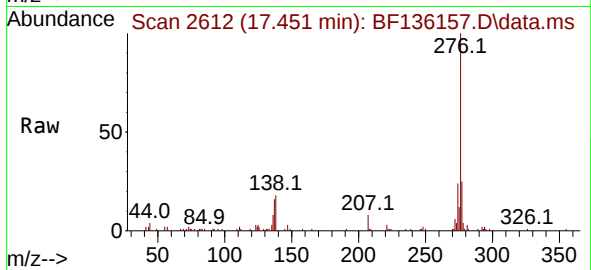
125 9.6 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.328 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF136157.D
 Acq: 06 Nov 2023 16:28

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:276 Resp: 43636
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.0 28.4
 138 18.3 17.4 26.2

