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 Data File : BF136156.D
 Acq On : 06 Nov 2023 15:57
 Operator : CG\JU
 Sample : 05257-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

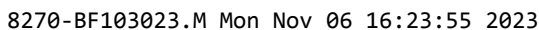
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

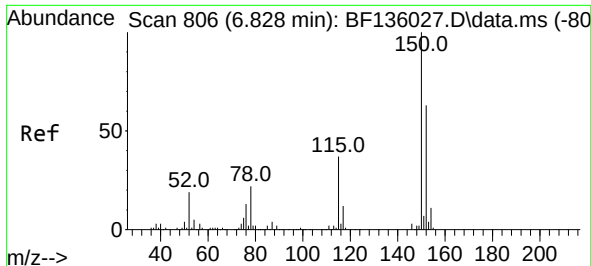
Quant Time: Nov 06 16:23:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	89600	20.000	ng	0.00
21) Naphthalene-d8	8.099	136	348882	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	179389	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	301979	20.000	ng	0.00
76) Chrysene-d12	14.004	240	179512	20.000	ng	0.00
86) Perylene-d12	15.492	264	201329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	734545	128.825	ng	0.01
7) Phenol-d6	6.457	99	908503	127.882	ng	0.00
23) Nitrobenzene-d5	7.381	82	586428	101.328	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	260059	135.818	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1084990	96.415	ng	0.00
79) Terphenyl-d14	12.951	244	908283	78.630	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	78760	19.403	ng	# 79
25) Isophorone	7.381	82	586525	53.681	ng	# 64
32) Benzoic acid	7.781	122	81	5.132	ng	# 57
51) 2,6-Dinitrotoluene	9.857	165	22799	9.009	ng	# 29
57) 2,4-Dinitrotoluene	9.857	165	22799	7.120	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.651	198	570	6.093	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	16410	5.183	ng	# 1
71) Phenanthrene	11.369	178	49420	3.250	ng	98
75) Fluoranthene	12.563	202	86950	5.567	ng	98
77) Benzidine	12.951	184	12327	3.523	ng	# 94
78) Pyrene	12.798	202	78661	4.970	ng	98
81) Benzo(a)anthracene	13.992	228	36733	3.091	ng	96
83) Chrysene	14.028	228	37295	3.187	ng	99
88) Benzo(b)fluoranthene	15.057	252	70613	5.927	ng	99
89) Benzo(k)fluoranthene	15.057	252	70613	5.991	ng	98
90) Benzo(a)pyrene	15.363	252	25236	2.280	ng	98
92) Benzo(g,h,i)perylene	17.451	276	14864	4.033	ng	# 87

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

Quant Time: Nov 06 16:23:20 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

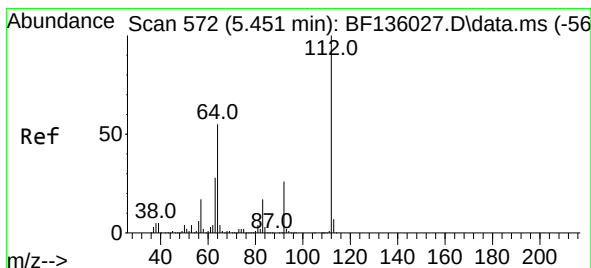
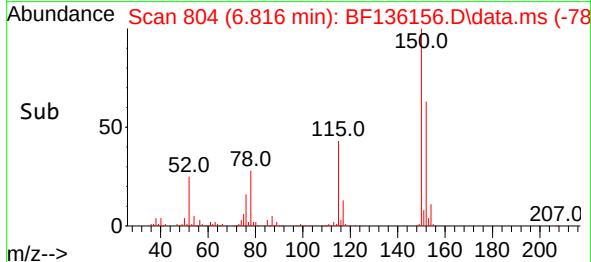
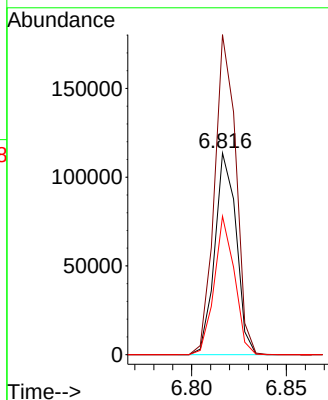
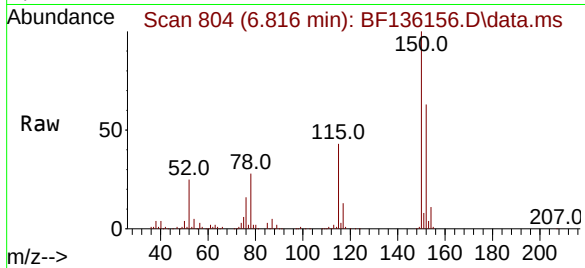




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

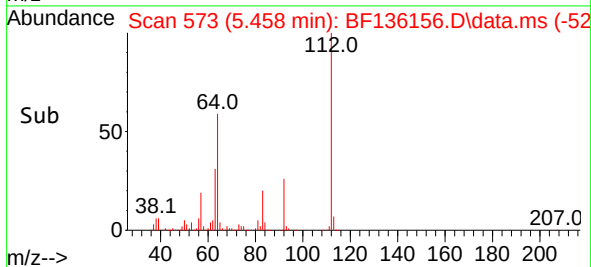
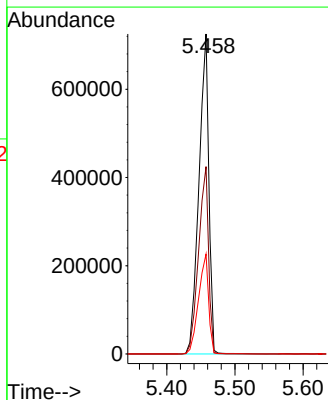
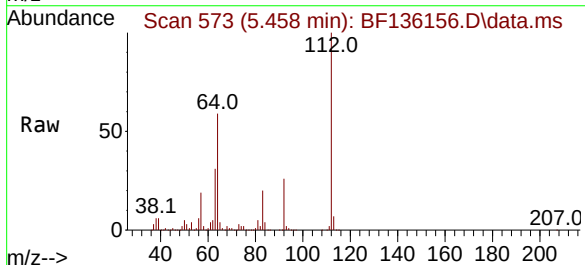
Instrument :
BNA_F
ClientSampleId :
WC-2

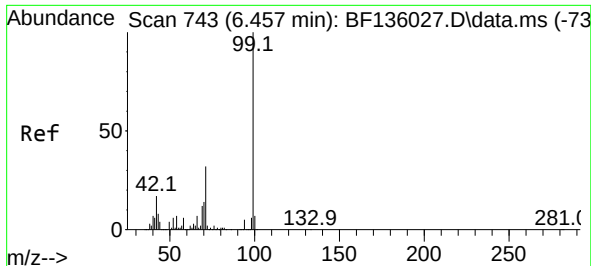
Tgt Ion:152 Resp: 89600
Ion Ratio Lower Upper
152 100
150 158.7 126.4 189.6
115 68.6 47.0 70.4



#5
2-Fluorophenol
Concen: 128.825 ng
RT: 5.458 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:112 Resp: 734545
Ion Ratio Lower Upper
112 100
64 58.5 43.9 65.9
63 31.2 22.4 33.6

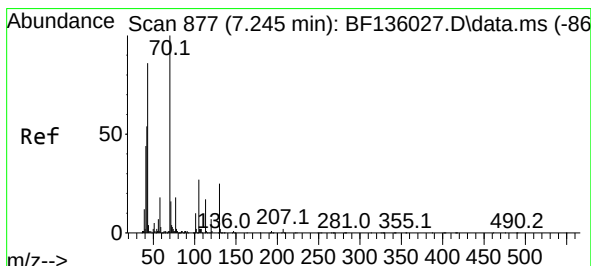
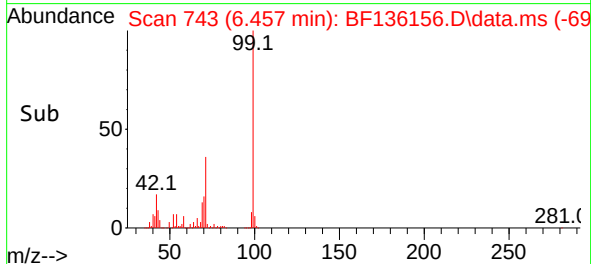
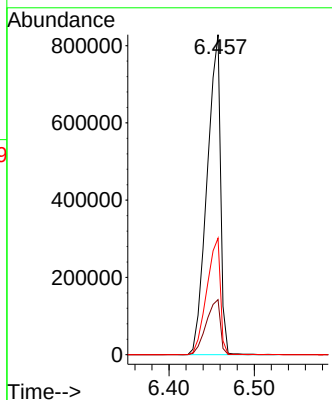
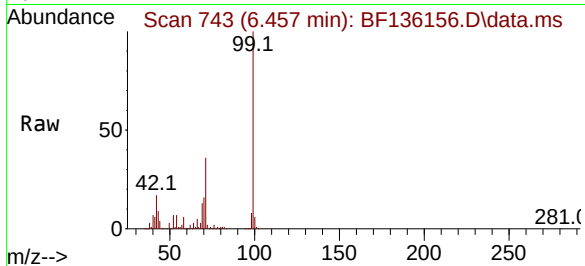




#7
Phenol-d6
Concen: 127.882 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

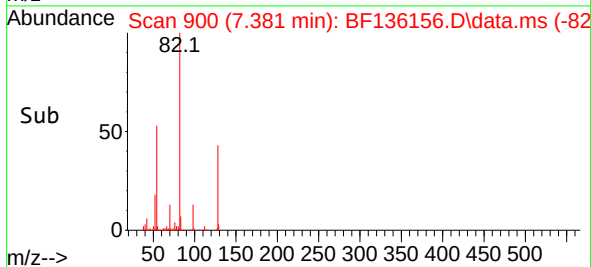
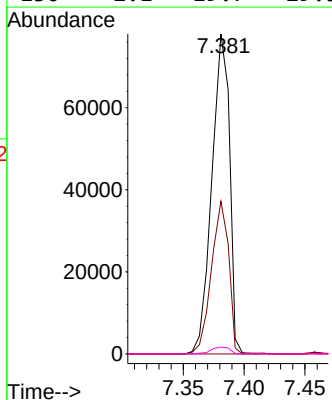
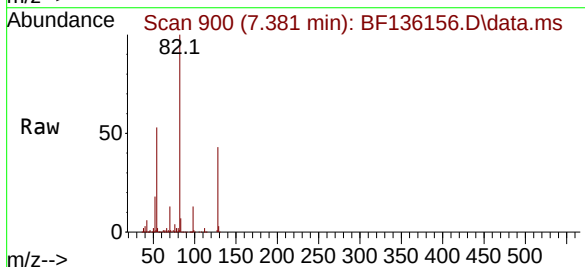
Instrument :
BNA_F
ClientSampleId :
WC-2

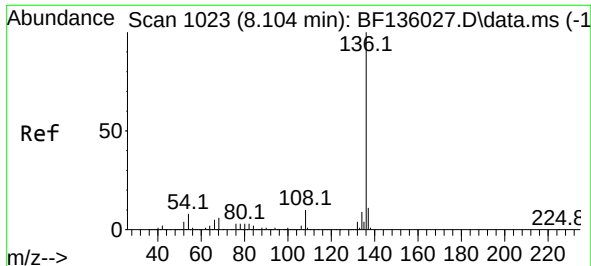
Tgt Ion: 99 Resp: 908503
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 36.4 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 19.403 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.142 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion: 70 Resp: 78760
Ion Ratio Lower Upper
70 100
42 47.7 43.0 64.4
101 0.0 8.0 12.0#
130 2.1 19.7 29.5#

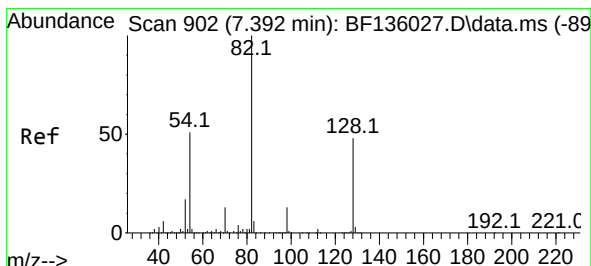
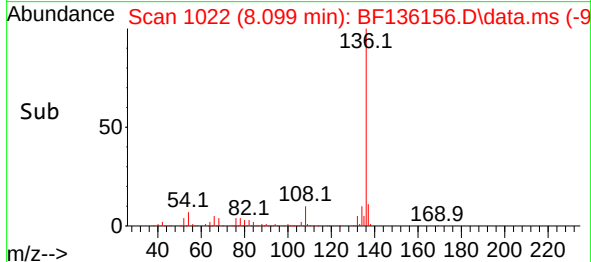
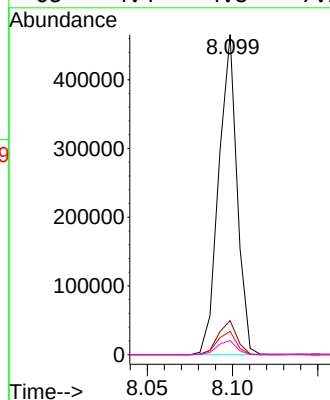
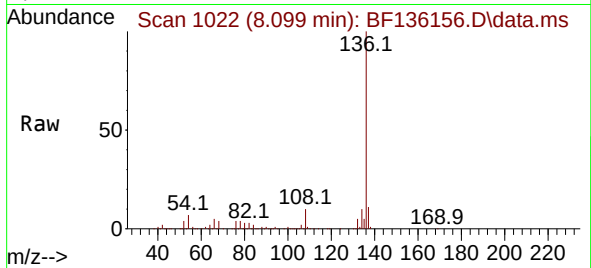




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.099 min Scan# 1023
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

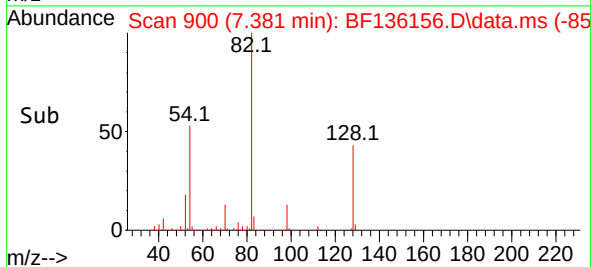
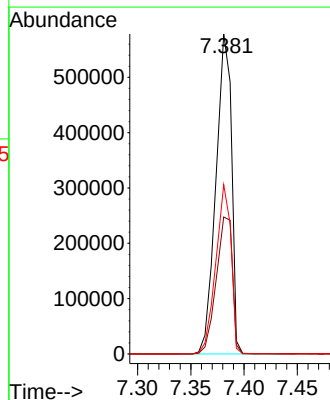
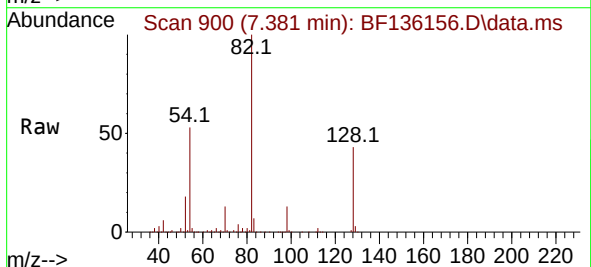
Instrument :
BNA_F
ClientSampleId :
WC-2

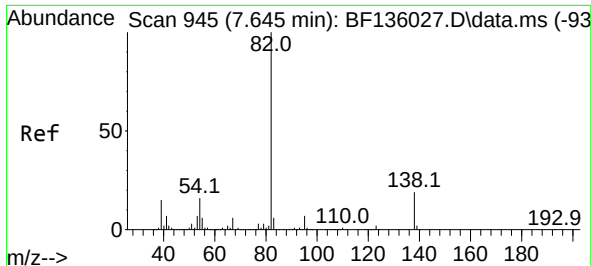
Tgt Ion:136 Resp: 348882
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.2 6.6 9.8
68 4.4 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 101.328 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion: 82 Resp: 586428
Ion Ratio Lower Upper
82 100
128 42.8 38.6 57.8
54 52.9 40.8 61.2

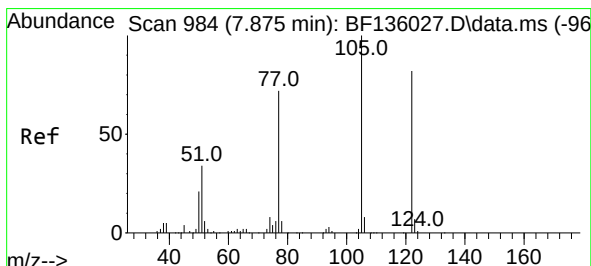
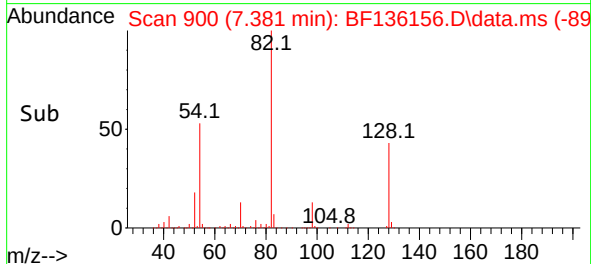
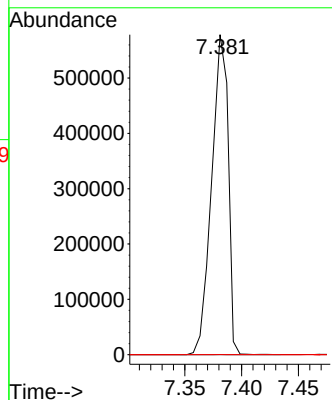
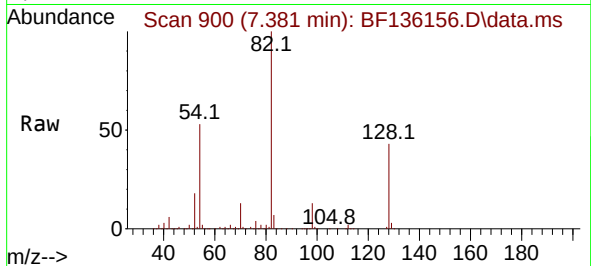




#25
Isophorone
Concen: 53.681 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.258 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

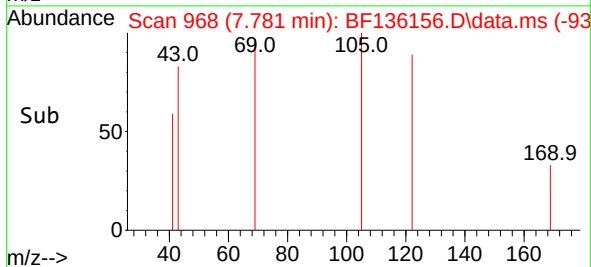
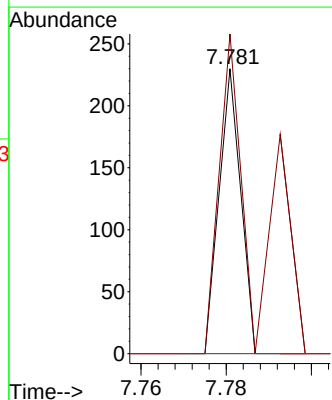
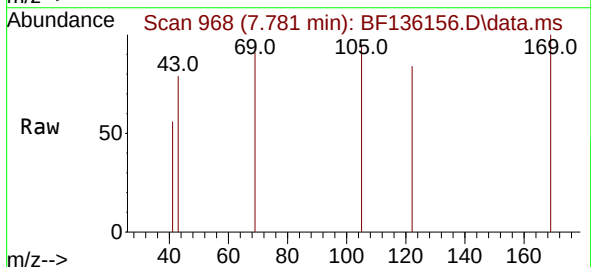
Instrument :
BNA_F
ClientSampleId :
WC-2

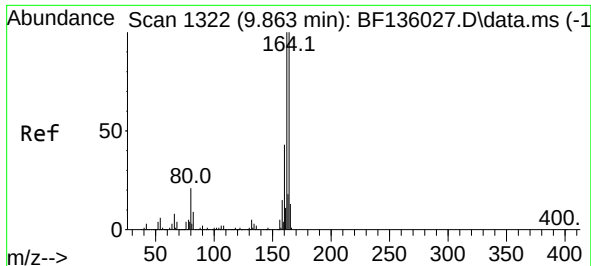
Tgt Ion: 82 Resp: 586525
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.132 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.088 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:122 Resp: 81
Ion Ratio Lower Upper
122 100
105 112.2 99.5 139.5
77 0.0 66.8 106.8#

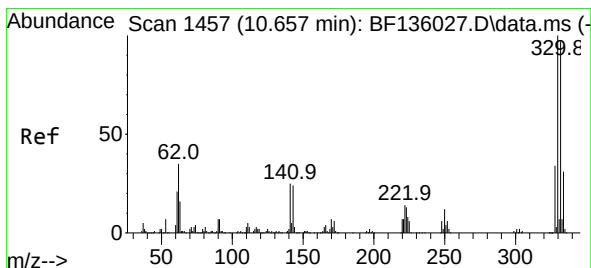
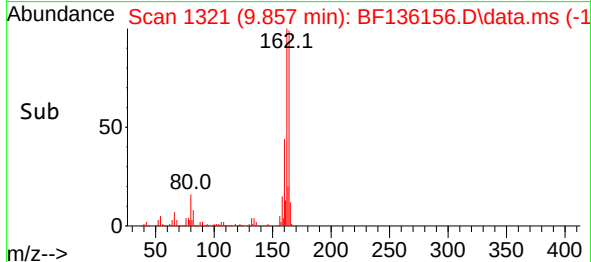
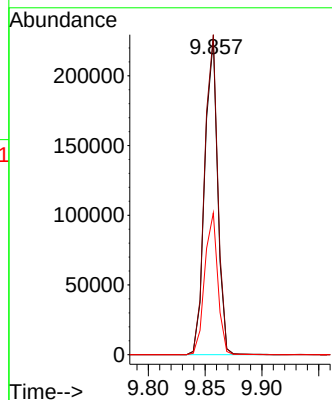
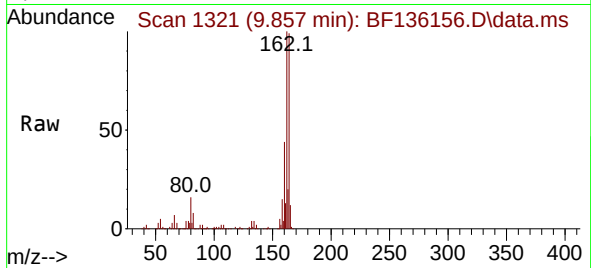




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

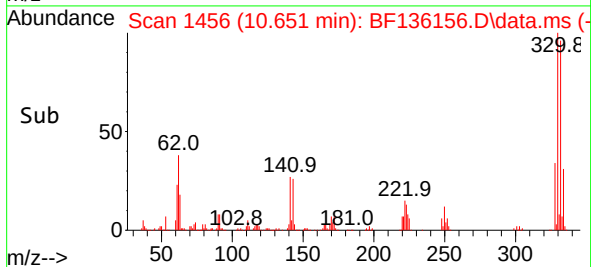
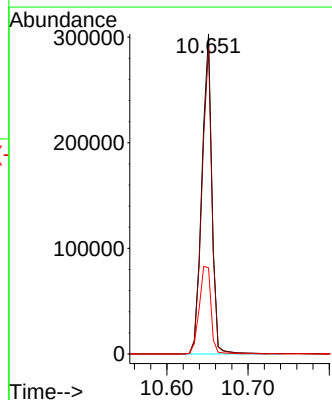
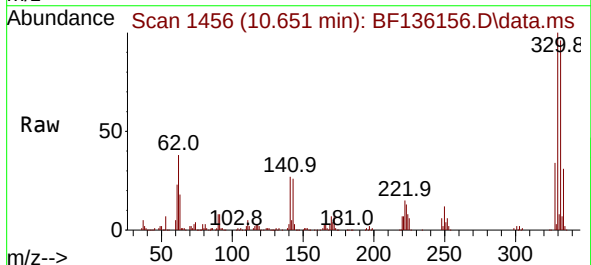
Instrument :
BNA_F
ClientSampleId :
WC-2

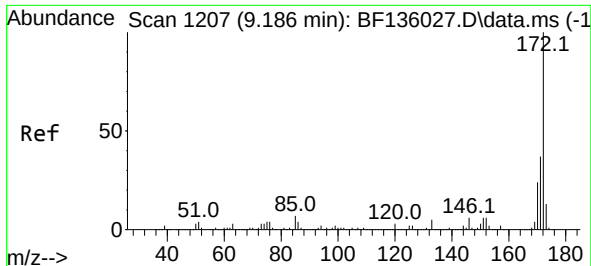
Tgt Ion:164 Resp: 179389
Ion Ratio Lower Upper
164 100
162 101.4 80.1 120.1
160 44.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 135.818 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:330 Resp: 260059
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 32.0 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 96.415 ng

RT: 9.181 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

Instrument :

BNA_F

ClientSampleId :

WC-2

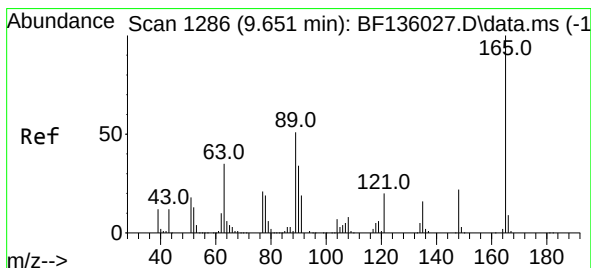
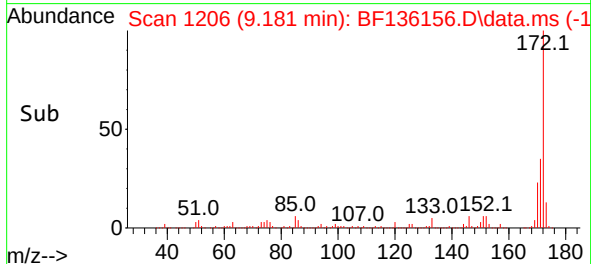
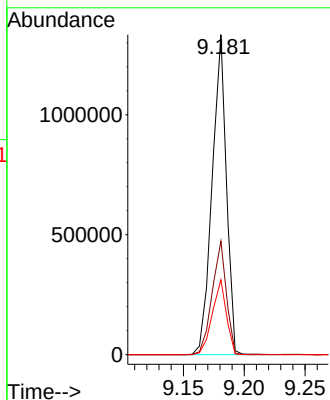
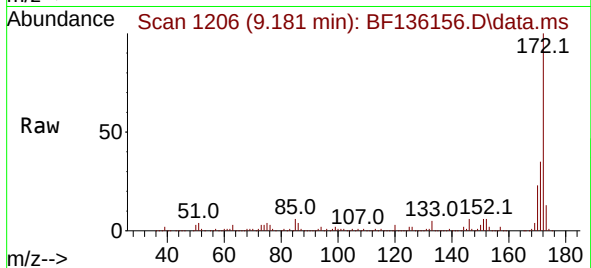
Tgt Ion:172 Resp: 1084990

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

170 23.4 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 9.009 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.212 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

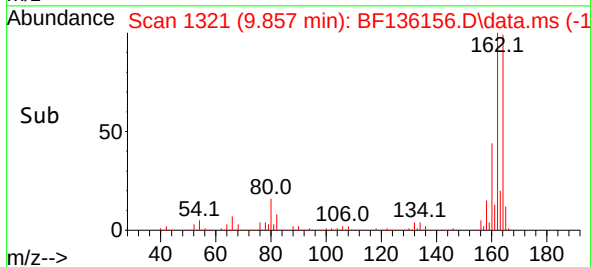
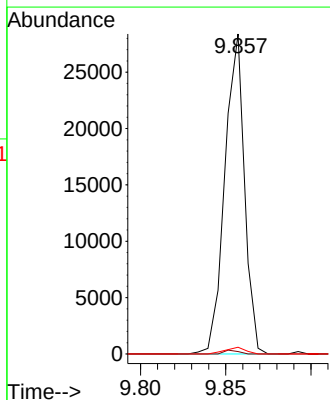
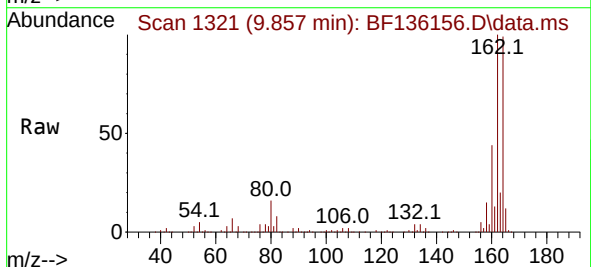
Tgt Ion:165 Resp: 22799

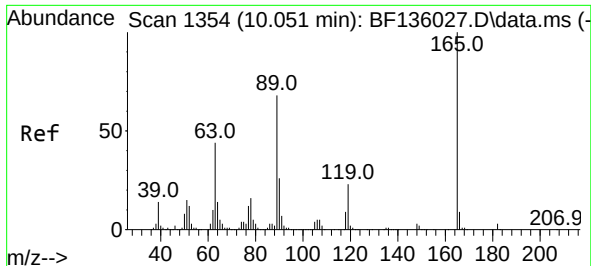
Ion Ratio Lower Upper

165 100

63 0.7 40.8 61.2#

89 2.1 41.1 61.7#

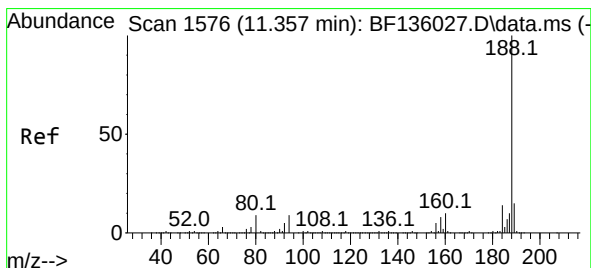
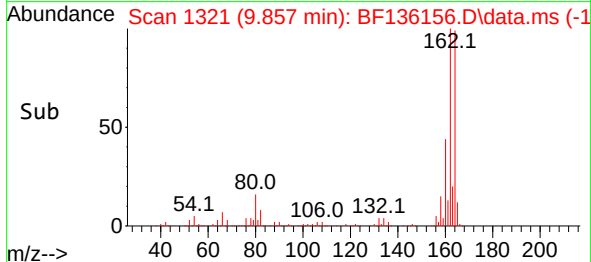
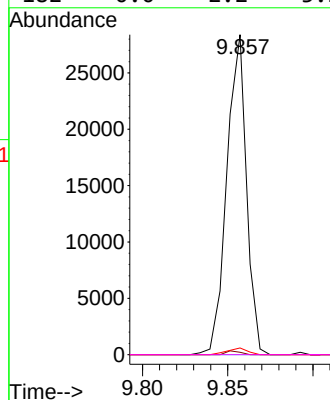
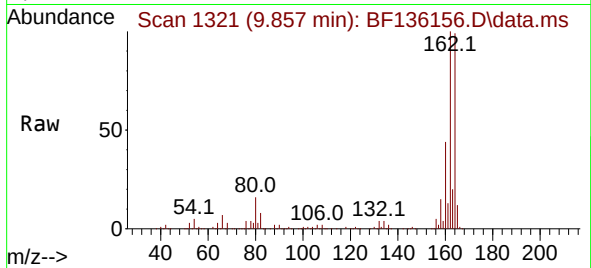




#57
2,4-Dinitrotoluene
Concen: 7.120 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

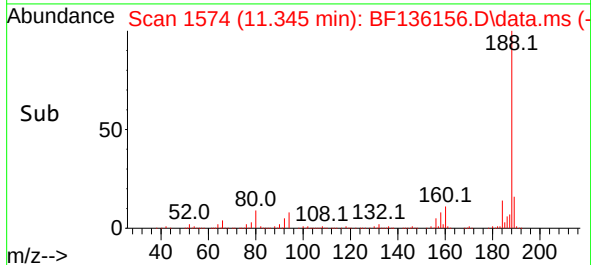
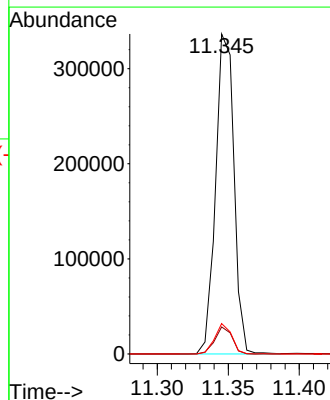
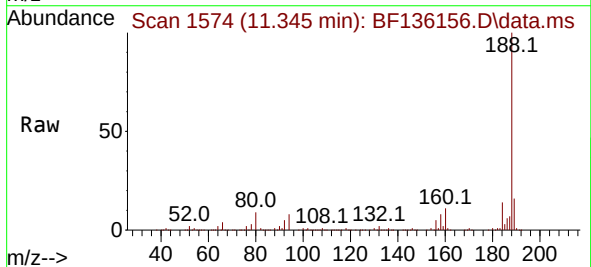
Instrument :
BNA_F
ClientSampleId :
WC-2

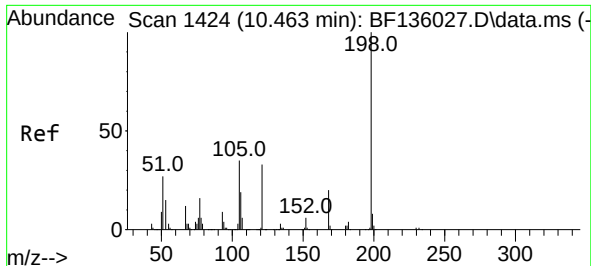
Tgt Ion:	165	Resp:	22799
Ion Ratio	Lower	Upper	
165	100		
63	0.7	35.2	52.8#
89	2.1	54.8	82.2#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:	188	Resp:	301979
Ion Ratio	Lower	Upper	
188	100		
94	8.5	7.2	10.8
80	9.5	7.4	11.0

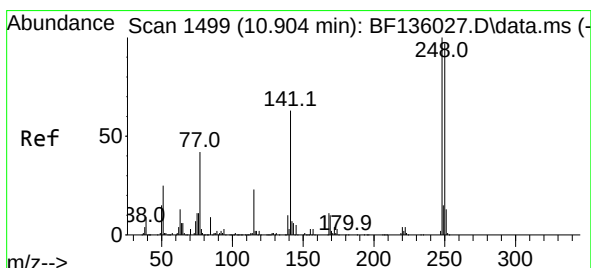
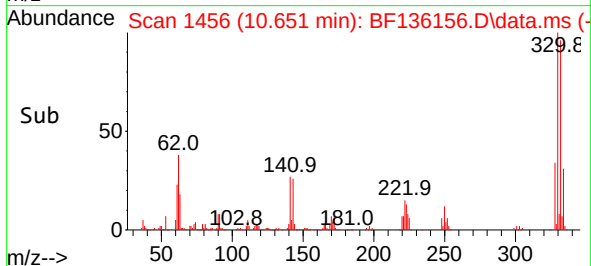
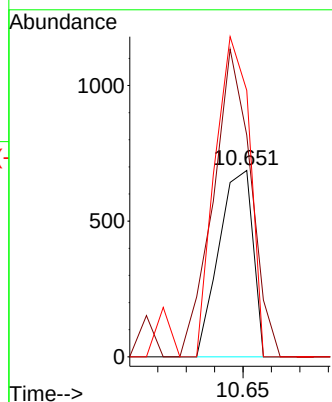
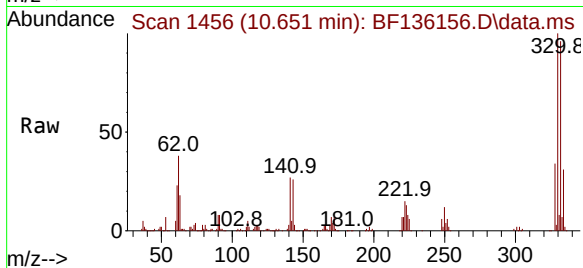




#65
4,6-Dinitro-2-methylphenol
Concen: 6.093 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.195 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

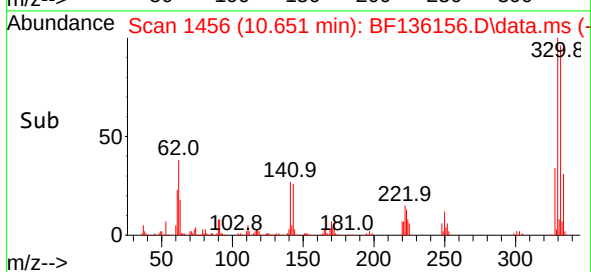
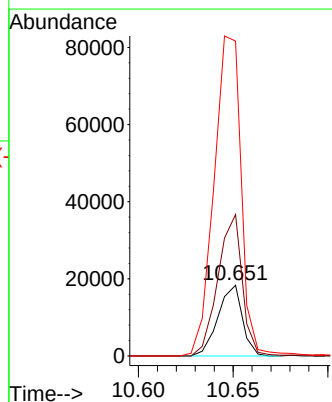
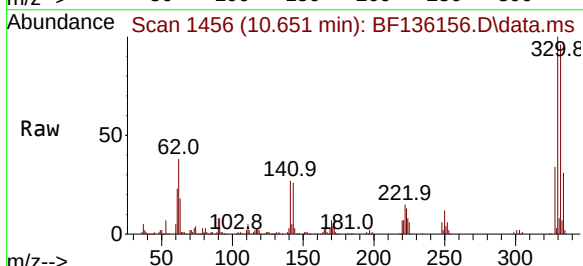
Instrument :
BNA_F
ClientSampleId :
WC-2

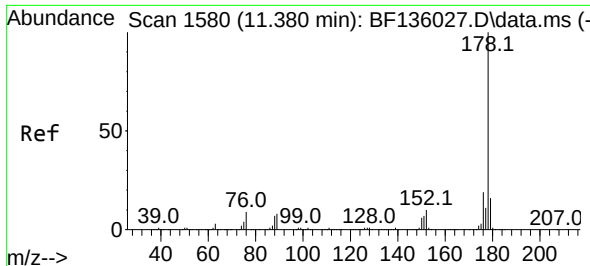
Tgt Ion:198 Resp: 570
Ion Ratio Lower Upper
198 100
51 118.9 12.9 52.9#
105 142.9 16.0 56.0#



#67
4-Bromophenyl-phenylether
Concen: 5.183 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.247 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:248 Resp: 16410
Ion Ratio Lower Upper
248 100
250 199.9 77.6 116.4#
141 445.1 50.4 75.6#

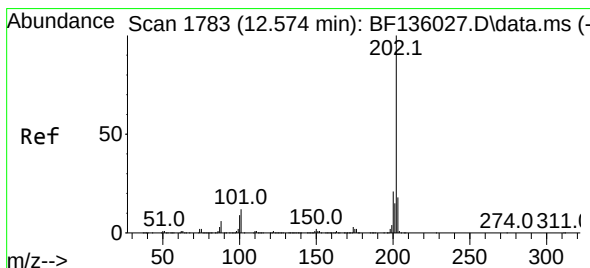
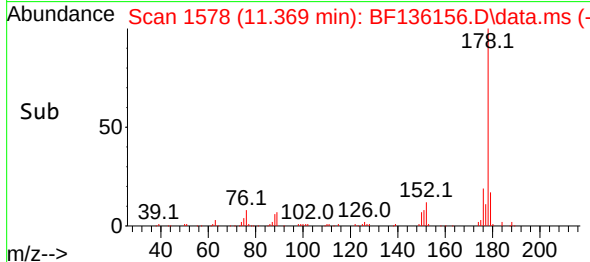
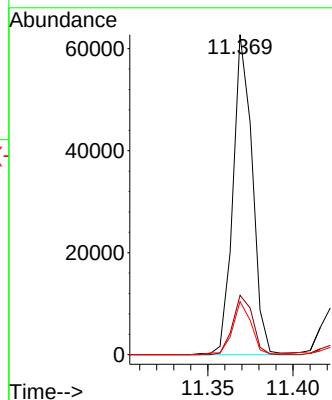
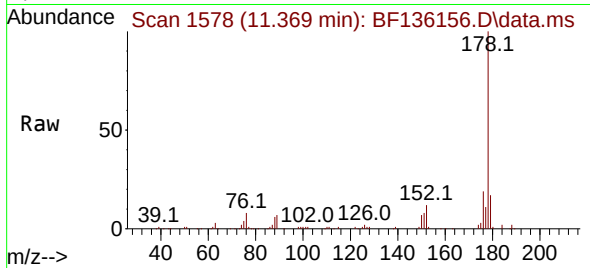




#71
Phenanthrene
Concen: 3.250 ng
RT: 11.369 min Scan# 1136
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

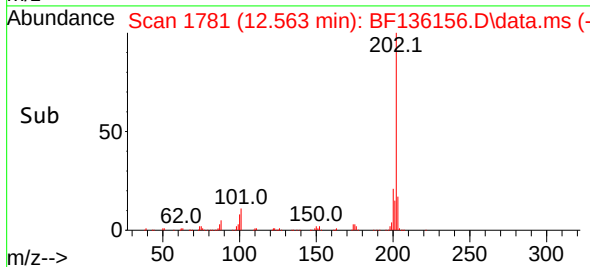
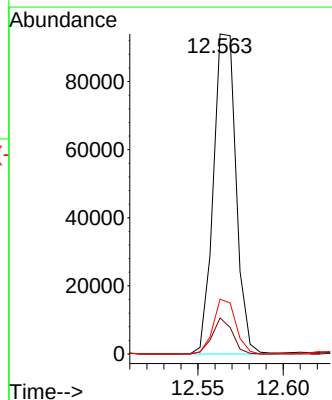
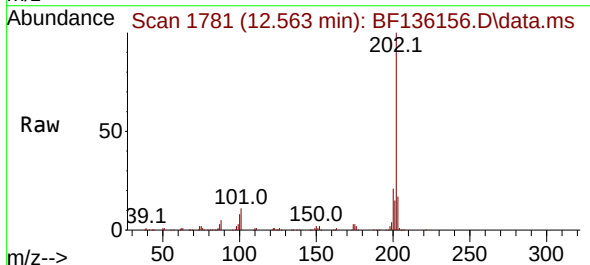
Instrument :
BNA_F
ClientSampleId :
WC-2

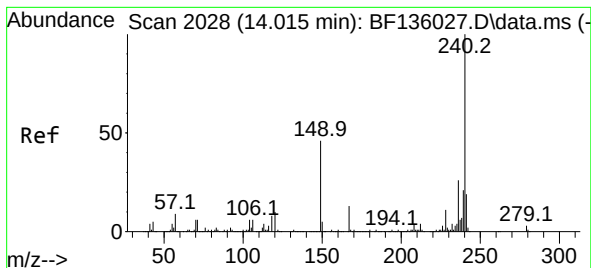
Tgt Ion:178 Resp: 49420
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 16.6 12.9 19.3



#75
Fluoranthene
Concen: 5.567 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:202 Resp: 86950
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.8
203 17.1 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.005 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

Instrument :

BNA_F

ClientSampleId :

WC-2

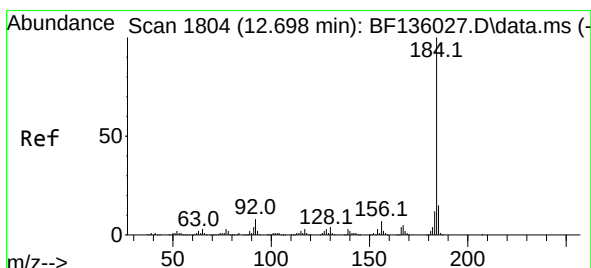
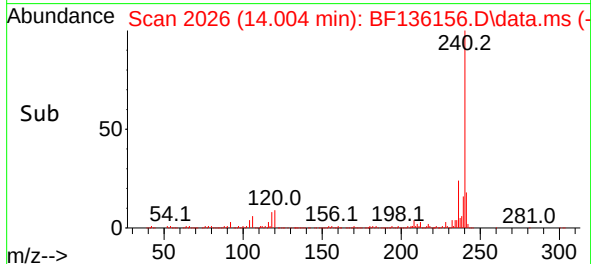
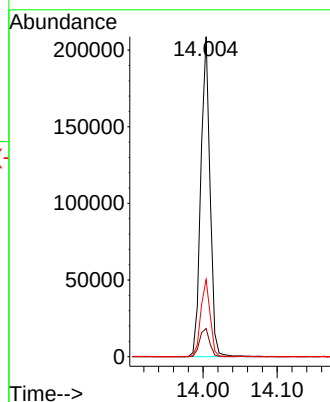
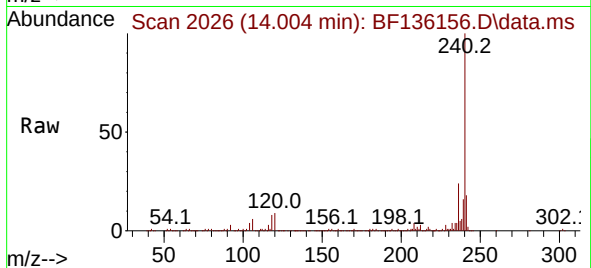
Tgt Ion:240 Resp: 179512

Ion Ratio Lower Upper

240 100

120 8.8 7.6 11.4

236 24.1 20.6 31.0



#77

Benzidine

Concen: 3.523 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

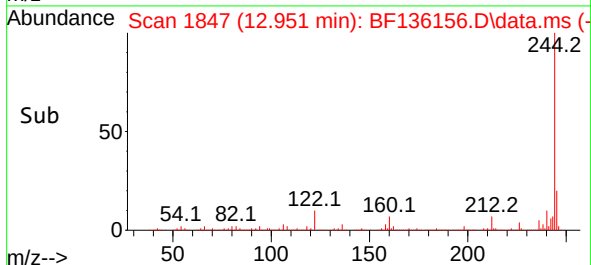
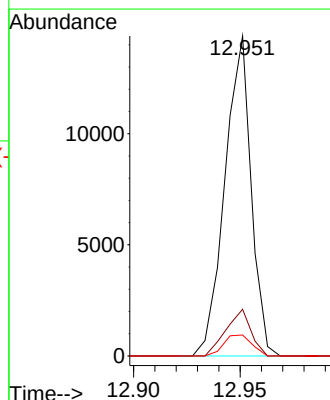
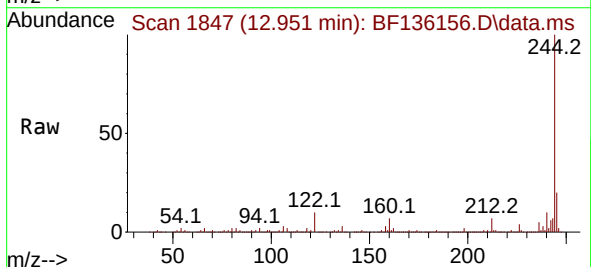
Tgt Ion:184 Resp: 12327

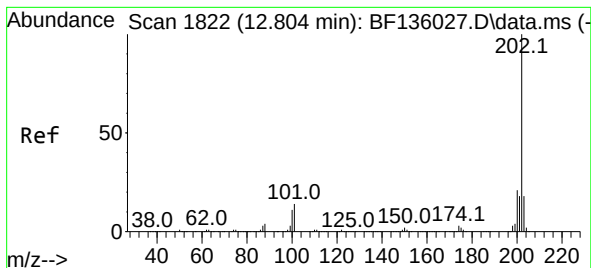
Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.8

183 6.5 9.5 14.3#





#78

Pyrene

Concen: 4.970 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

Instrument :

BNA_F

ClientSampleId :

WC-2

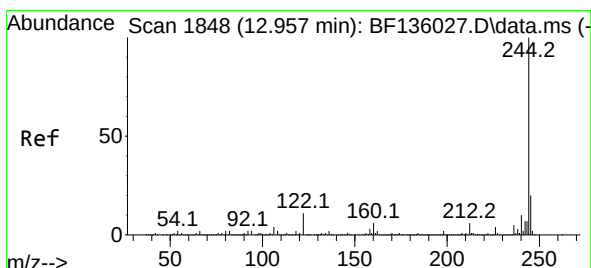
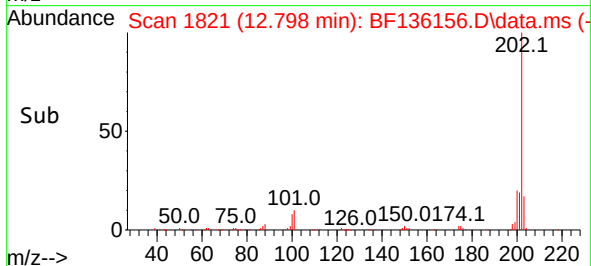
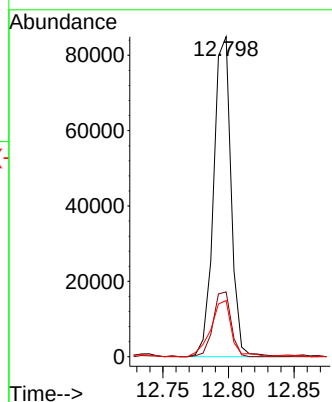
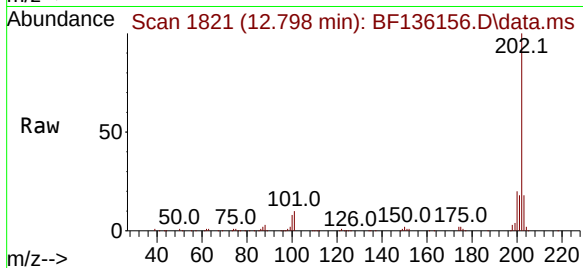
Tgt Ion:202 Resp: 78661

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 17.5 14.4 21.6



#79

Terphenyl-d14

Concen: 78.630 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.000 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

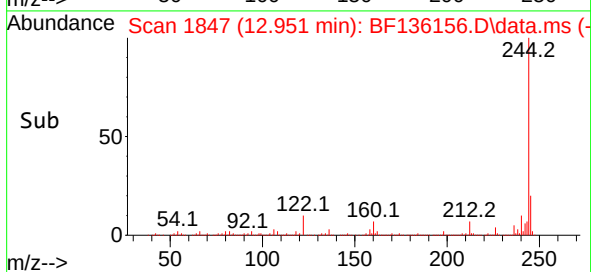
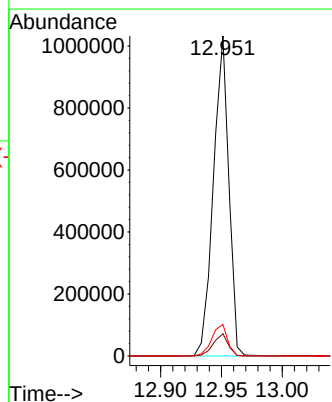
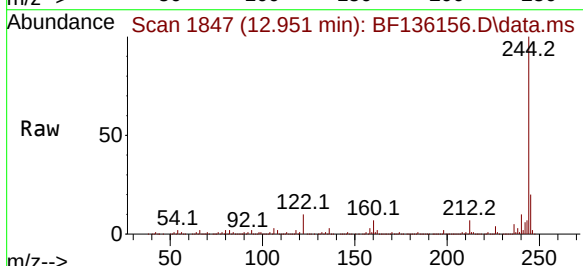
Tgt Ion:244 Resp: 908283

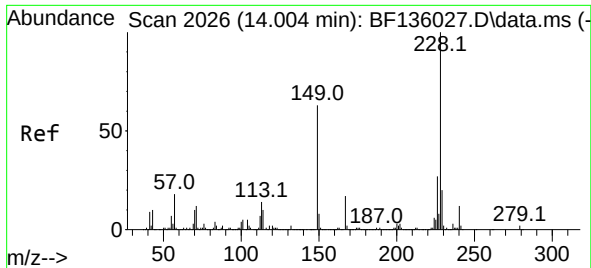
Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 9.9 8.6 12.8

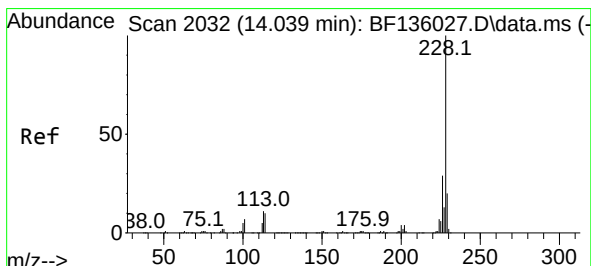
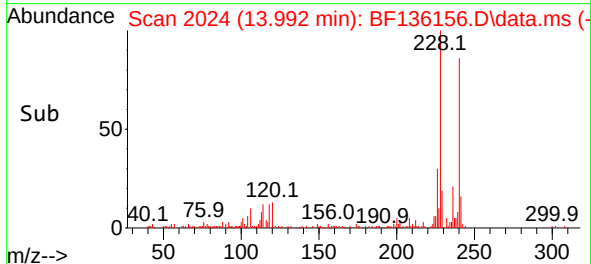
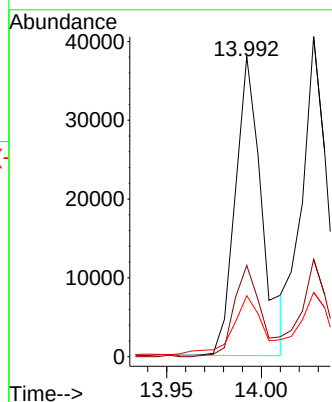
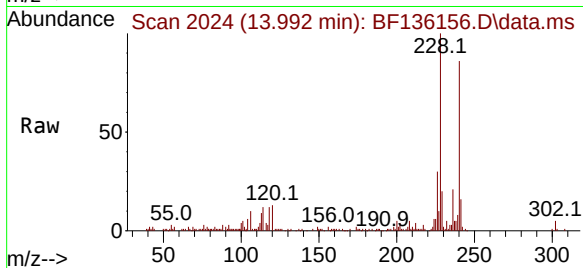




#81
Benzo(a)anthracene
Concen: 3.091 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

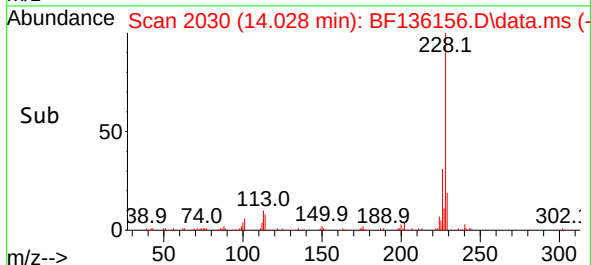
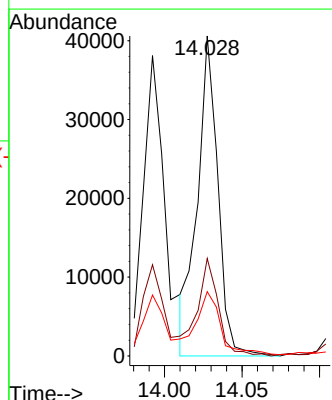
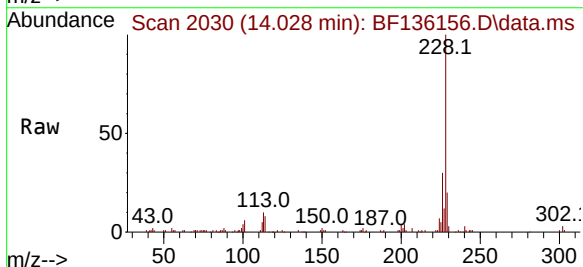
Instrument :
BNA_F
ClientSampleId :
WC-2

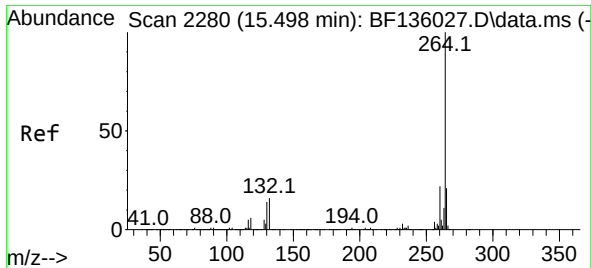
Tgt Ion:228 Resp: 36733
Ion Ratio Lower Upper
228 100
226 30.4 21.5 32.3
229 20.3 15.8 23.6



#83
Chrysene
Concen: 3.187 ng
RT: 14.028 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:228 Resp: 37295
Ion Ratio Lower Upper
228 100
226 30.5 23.5 35.3
229 20.1 16.0 24.0

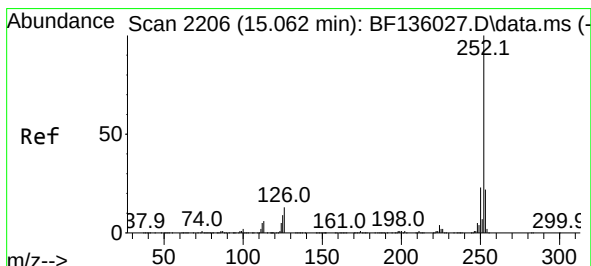
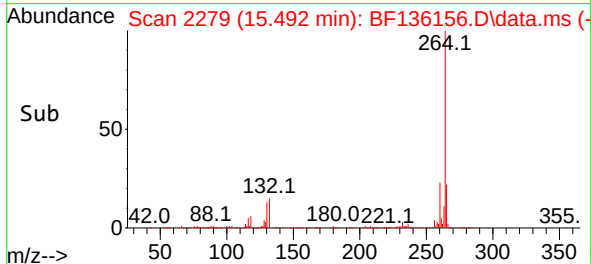
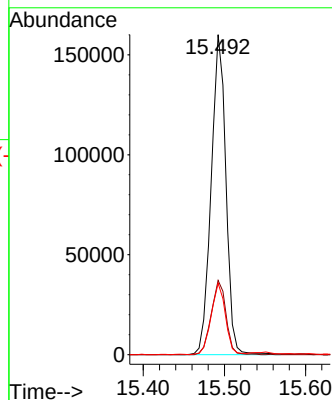
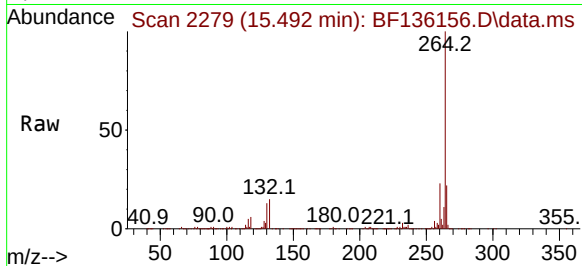




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

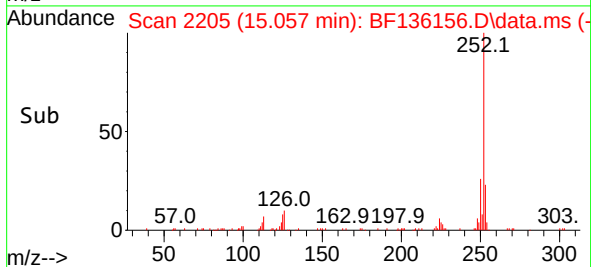
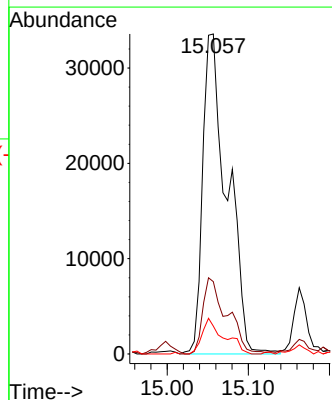
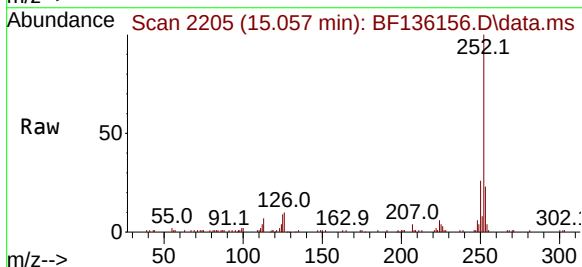
Instrument :
BNA_F
ClientSampleId :
WC-2

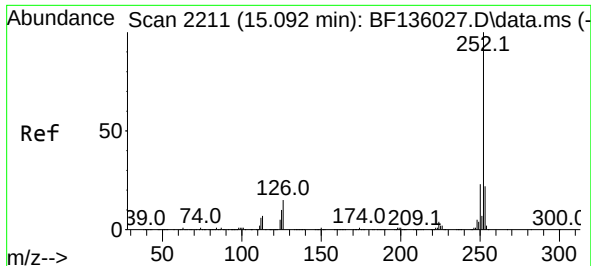
Tgt Ion:264 Resp: 201329
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.3 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 5.927 ng
RT: 15.057 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BF136156.D
Acq: 06 Nov 2023 15:57

Tgt Ion:252 Resp: 70613
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 8.7 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 5.991 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

Instrument :

BNA_F

ClientSampleId :

WC-2

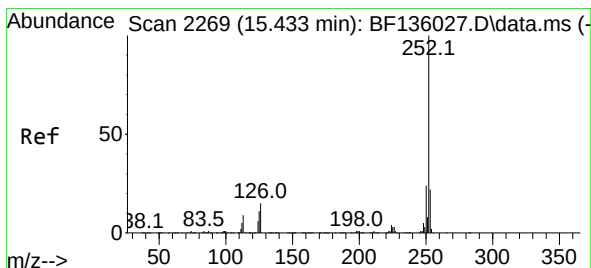
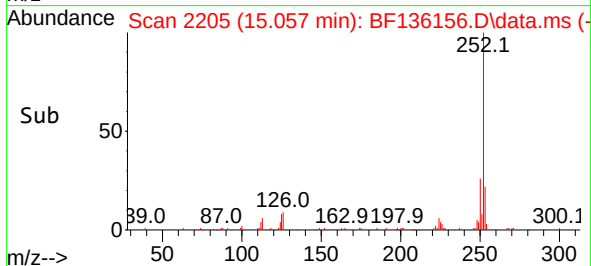
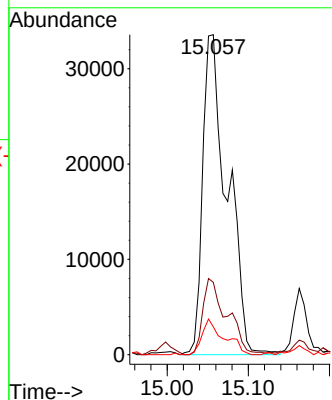
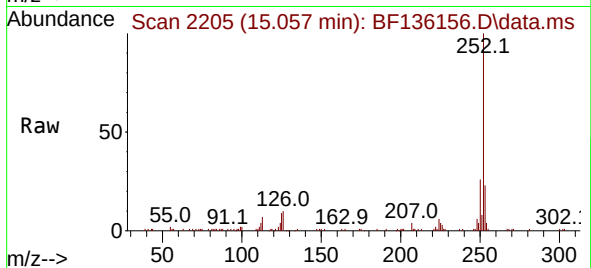
Tgt Ion:252 Resp: 70613

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 8.7 8.0 12.0



#90

Benzo(a)pyrene

Concen: 2.280 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.070 min

Lab File: BF136156.D

Acq: 06 Nov 2023 15:57

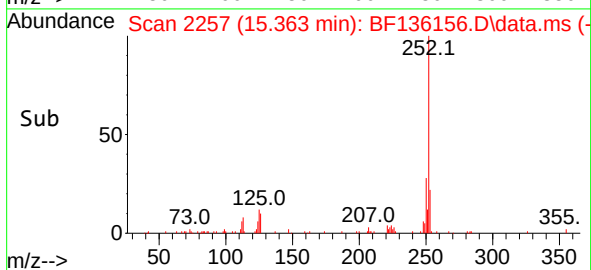
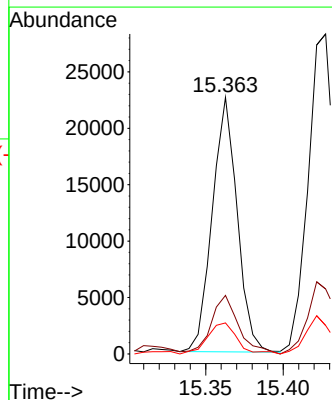
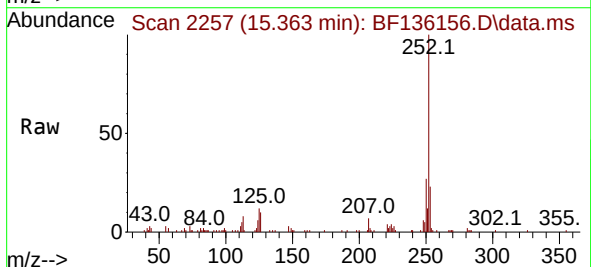
Tgt Ion:252 Resp: 25236

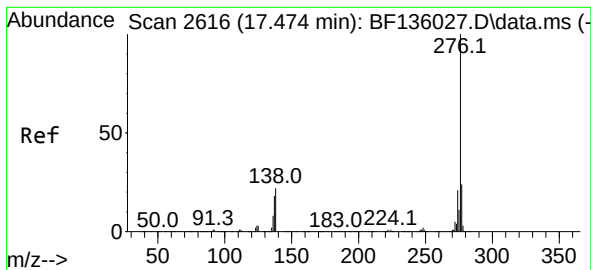
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 12.1 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 4.033 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF136156.D

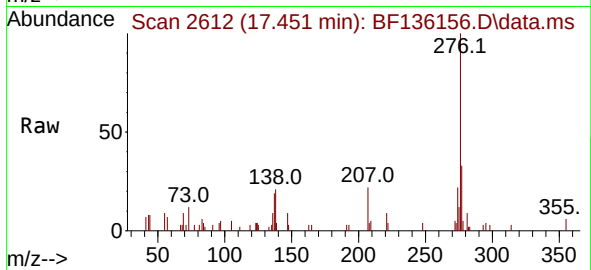
Acq: 06 Nov 2023 15:57

Instrument :

BNA_F

ClientSampleId :

WC-2



Tgt Ion:276 Resp: 14864

Ion Ratio Lower Upper

276 100

277 32.9 19.0 28.4#

138 24.5 17.4 26.2

