

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136524.D
 Acq On : 12 Dec 2023 19:28
 Operator : CG\JU
 Sample : 05726-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Dec 12 23:19:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

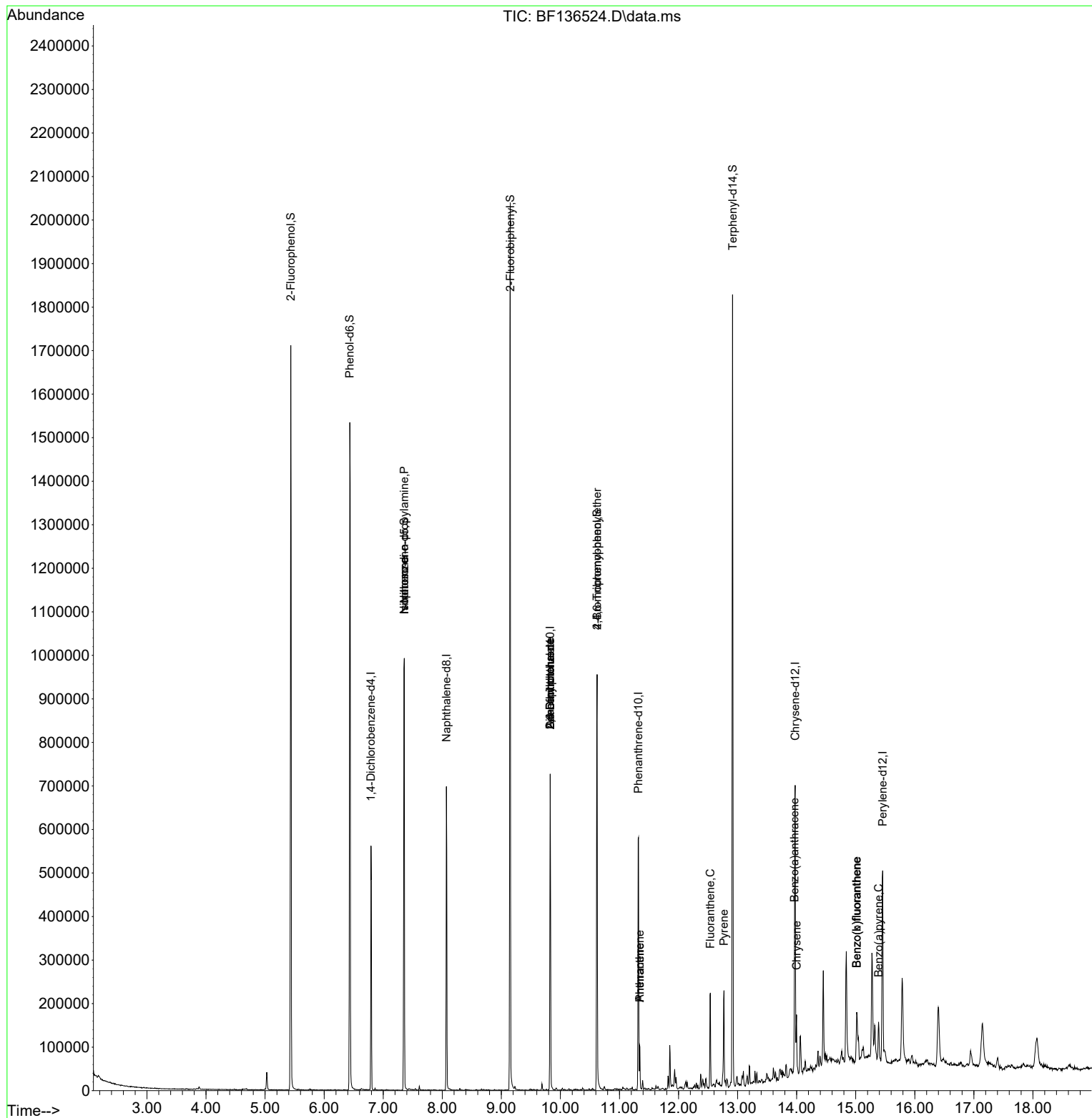
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	83947	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	307044	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	135703	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	228776	20.000	ng	0.00
76) Chrysene-d12	13.974	240	208086	20.000	ng	0.00
86) Perylene-d12	15.457	264	212008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	471211	82.897	ng	0.00
7) Phenol-d6	6.434	99	566837	79.926	ng	-0.01
23) Nitrobenzene-d5	7.357	82	328056	57.760	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	127268	76.061	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	633779	63.727	ng	-0.01
79) Terphenyl-d14	12.916	244	614264	38.908	ng	0.00
Target Compounds						
9) Benzaldehyde	6.440	77	909	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.357	70	42704	10.438	ng	# 75
25) Isophorone	7.357	82	328052	32.149	ng	# 65
50) Dimethylphthalate	9.828	163	25992	2.602	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	16389	7.292	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	16389	5.512	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	7791	2.929	ng	# 1
71) Phenanthrene	11.345	178	38203	3.038	ng	99
72) Anthracene	11.345	178	38203	3.016	ng	99
75) Fluoranthene	12.539	202	90322	6.854	ng	99
77) Benzidine	12.916	184	6804	Below Cal	#	90
78) Pyrene	12.769	202	91086	4.470	ng	97
81) Benzo(a)anthracene	13.963	228	46931	3.238	ng	95
83) Chrysene	13.998	228	53023	3.718	ng	97
88) Benzo(b)fluoranthene	15.016	252	86710	5.982	ng	# 97
89) Benzo(k)fluoranthene	15.016	252	86710	6.347	ng	# 97
90) Benzo(a)pyrene	15.386	252	42811	3.576	ng	97

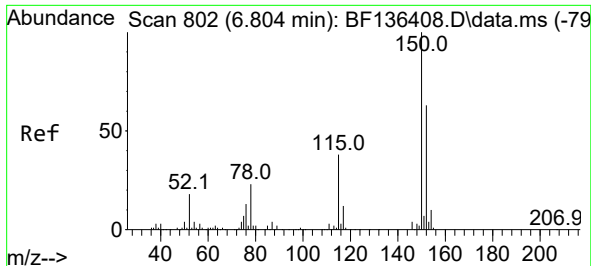
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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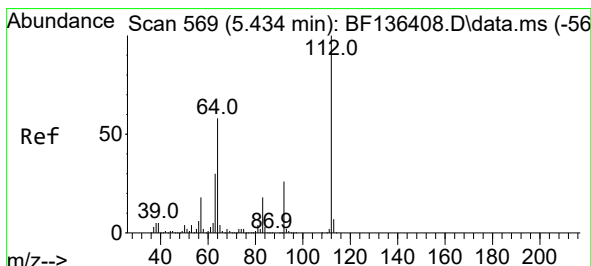
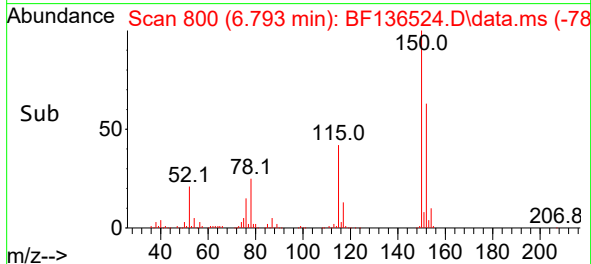
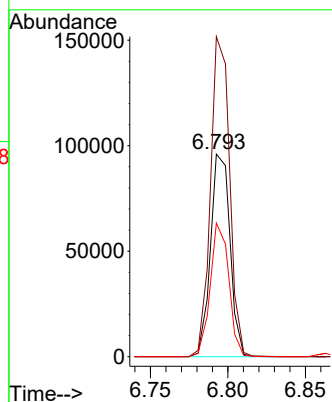
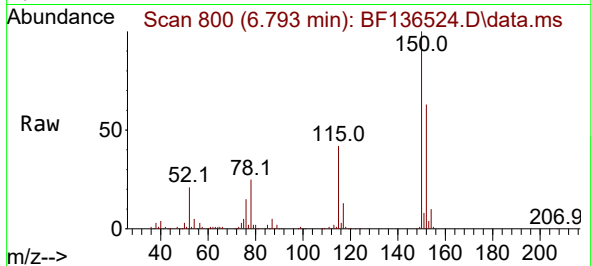




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

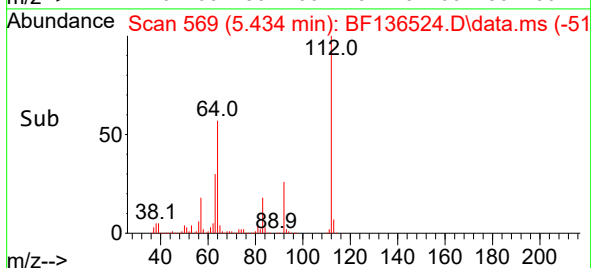
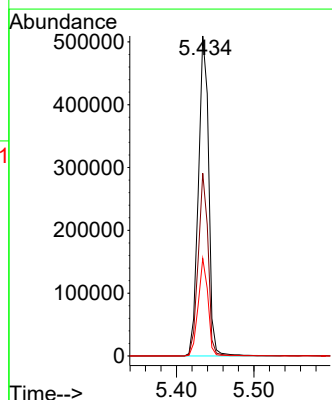
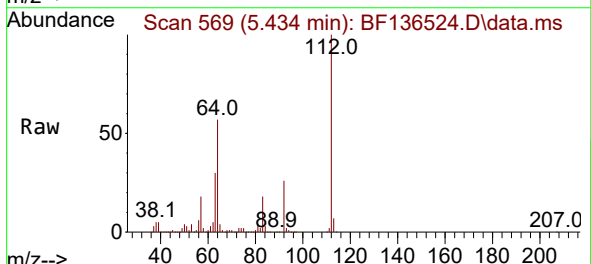
Instrument :
BNA_F
ClientSampleId :
WC-2

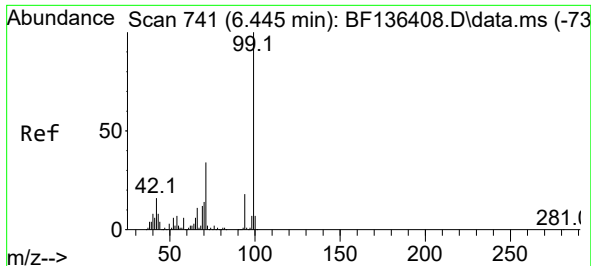
Tgt Ion:152 Resp: 83947
Ion Ratio Lower Upper
152 100
150 158.0 126.4 189.6
115 66.0 48.2 72.4



#5
2-Fluorophenol
Concen: 82.897 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:112 Resp: 471211
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 30.4 23.9 35.9

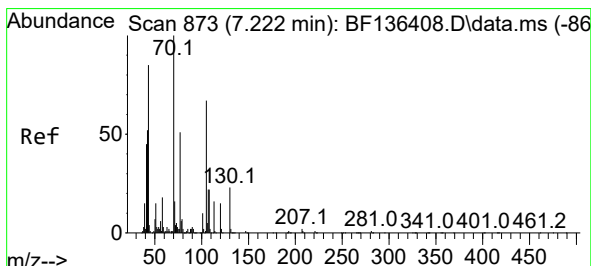
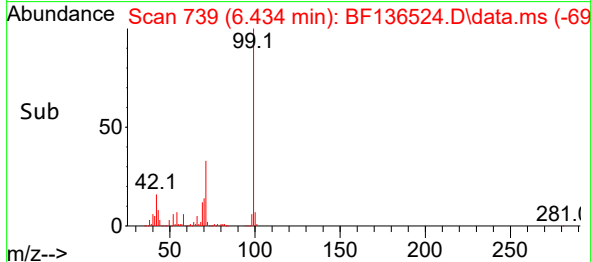
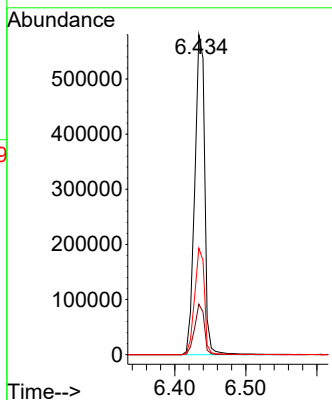
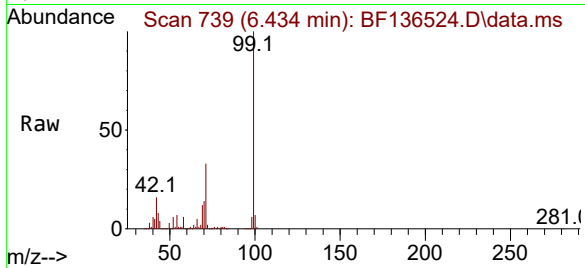




#7
Phenol-d6
Concen: 79.926 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

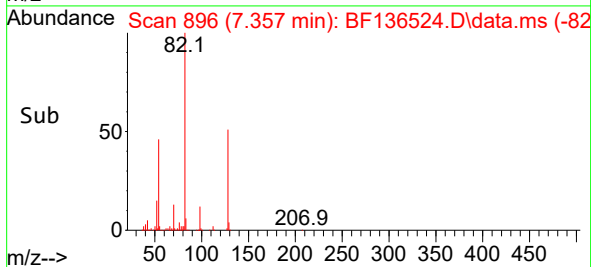
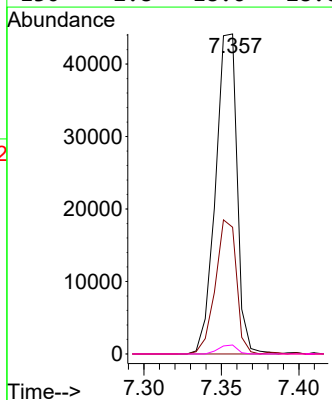
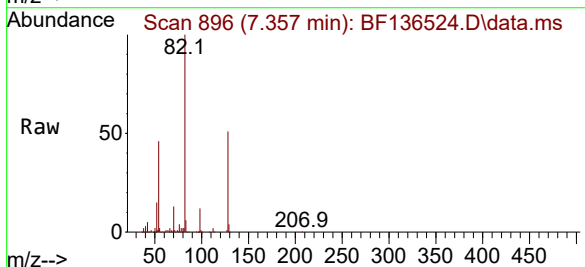
Instrument :
BNA_F
ClientSampleId :
WC-2

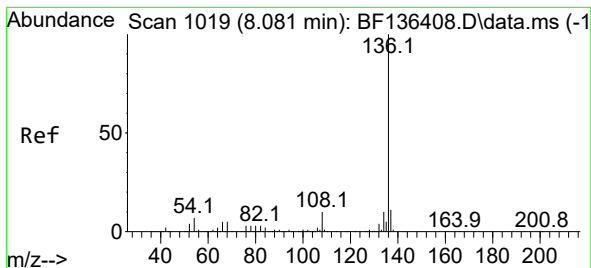
Tgt Ion: 99 Resp: 566837
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 33.3 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.438 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion: 70 Resp: 42704
Ion Ratio Lower Upper
70 100
42 39.6 41.4 62.0#
101 0.0 8.2 12.4#
130 2.8 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Instrument :

BNA_F

ClientSampleId :

WC-2

Tgt Ion:136 Resp: 307044

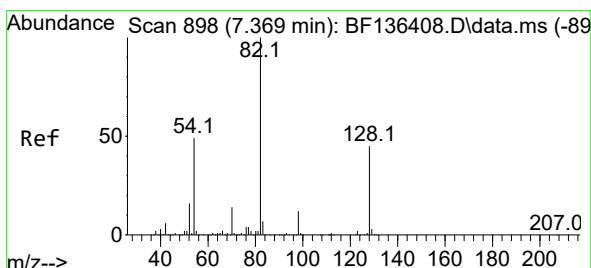
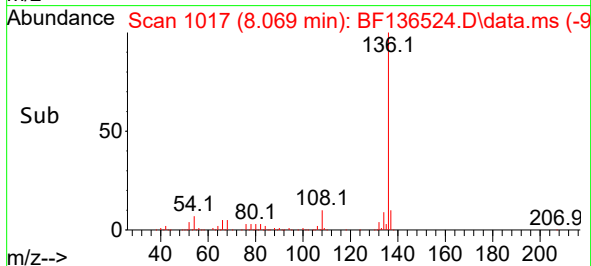
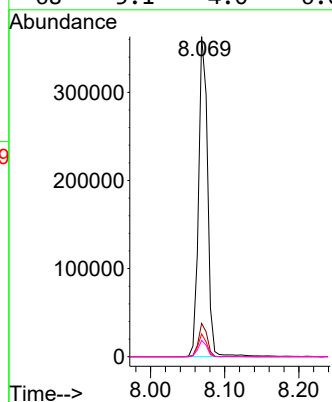
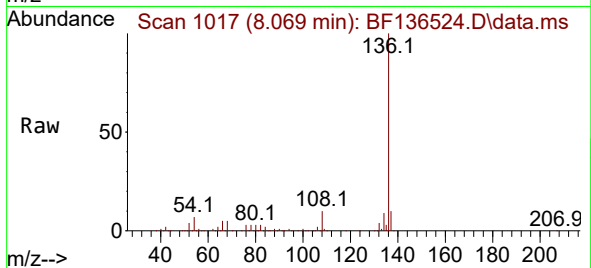
Ion Ratio Lower Upper

136 100

137 10.4 8.6 12.8

54 7.1 5.7 8.5

68 5.1 4.0 6.0



#23

Nitrobenzene-d5

Concen: 57.760 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

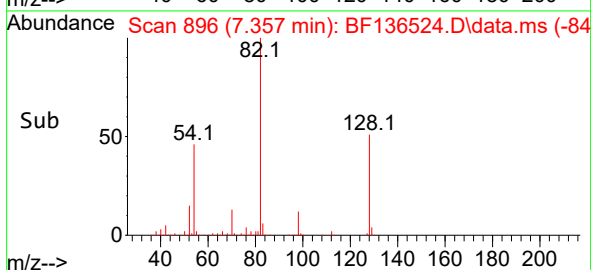
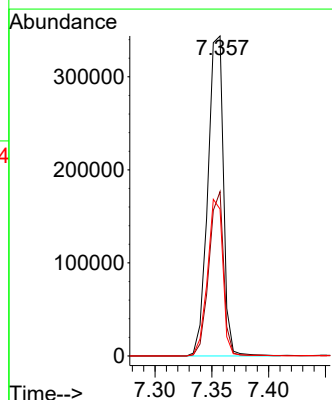
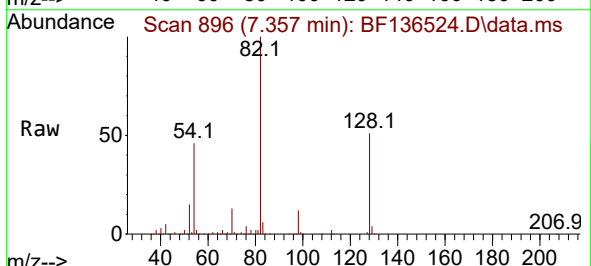
Tgt Ion: 82 Resp: 328056

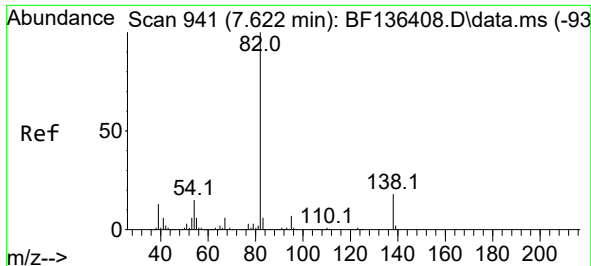
Ion Ratio Lower Upper

82 100

128 51.3 36.3 54.5

54 45.9 39.0 58.6

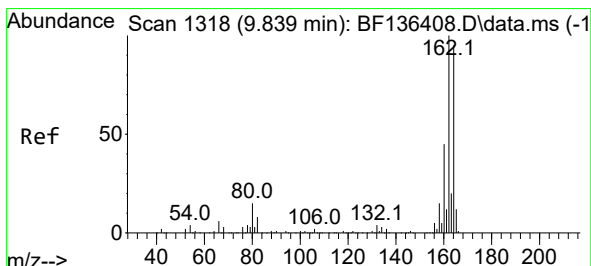
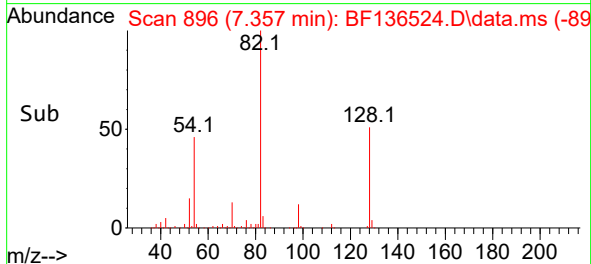
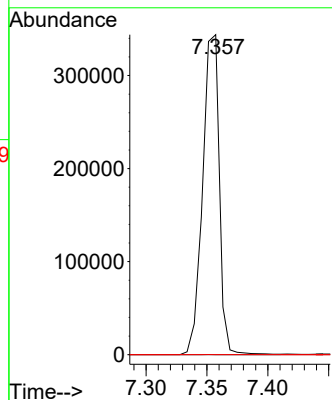
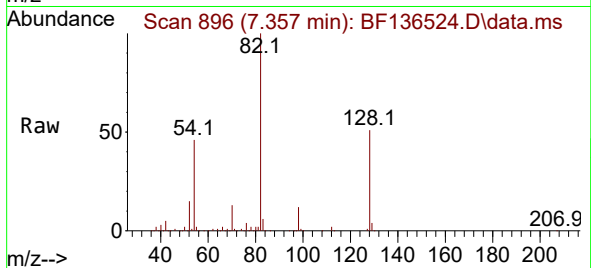




#25
Isophorone
Concen: 32.149 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

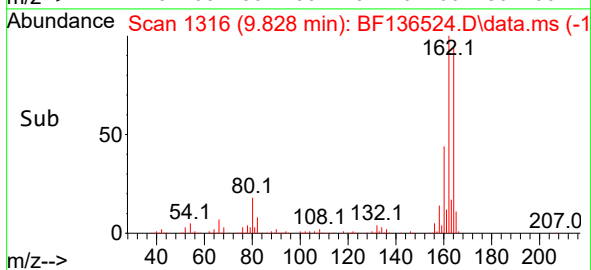
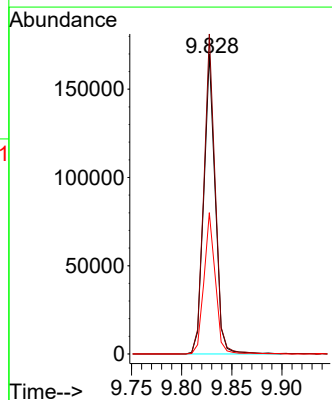
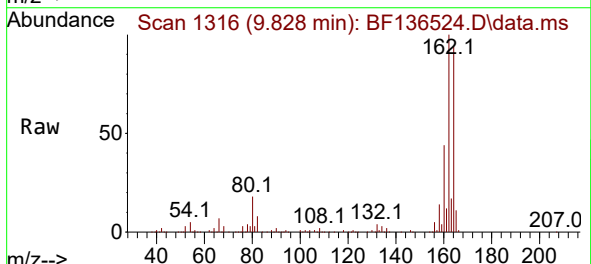
Instrument :
BNA_F
ClientSampleId :
WC-2

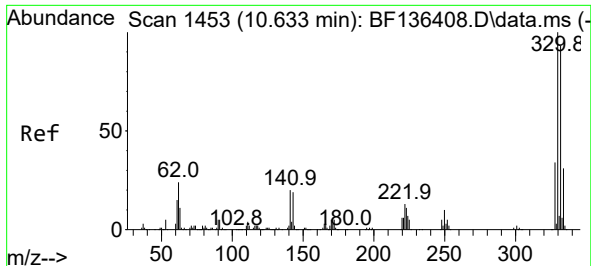
Tgt Ion: 82 Resp: 328052
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion: 164 Resp: 135703
Ion Ratio Lower Upper
164 100
162 106.7 84.4 126.6
160 47.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 76.061 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Instrument :

BNA_F

ClientSampleId :

WC-2

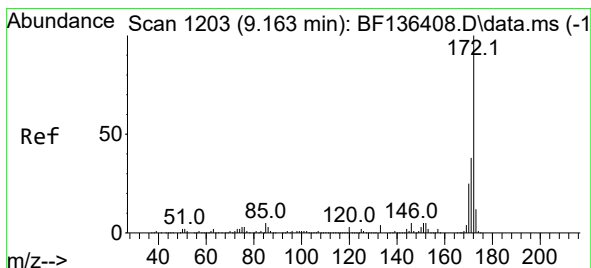
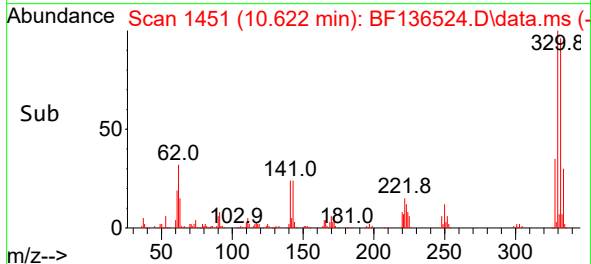
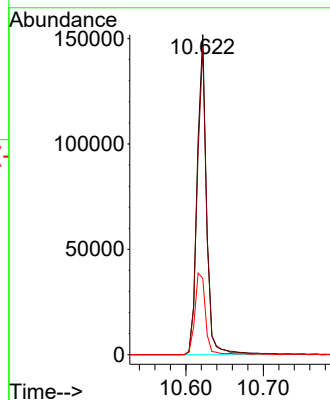
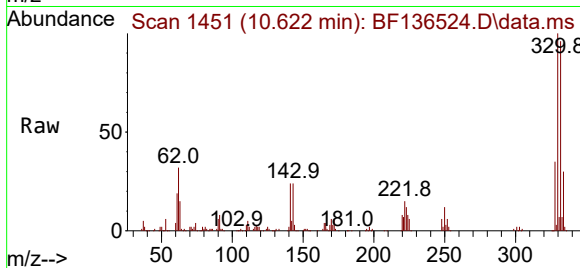
Tgt Ion:330 Resp: 127268

Ion Ratio Lower Upper

330 100

332 96.5 76.4 114.6

141 29.1 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 63.727 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

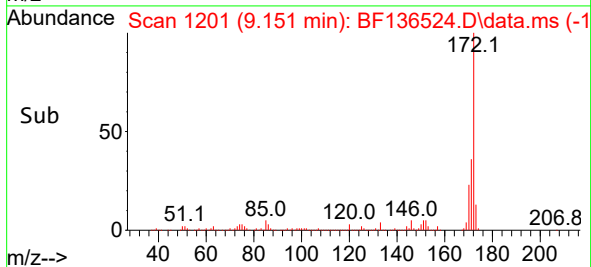
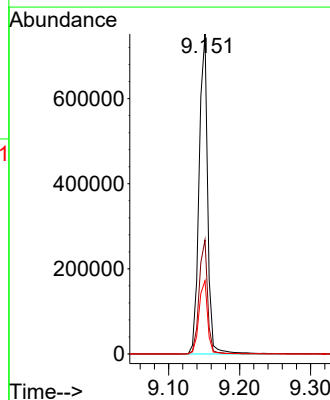
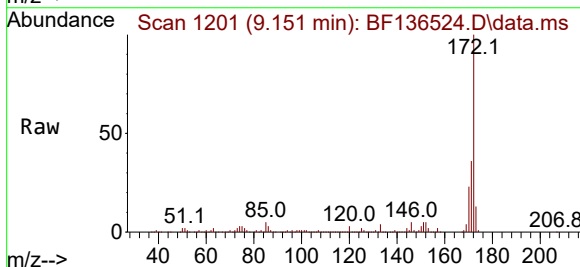
Tgt Ion:172 Resp: 633779

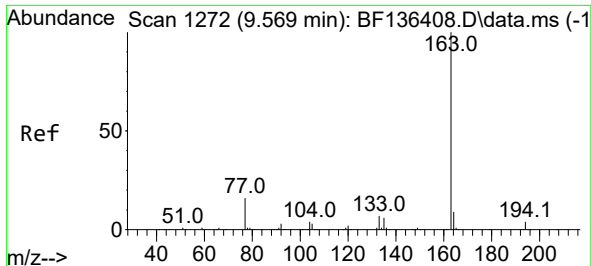
Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 22.9 19.9 29.9

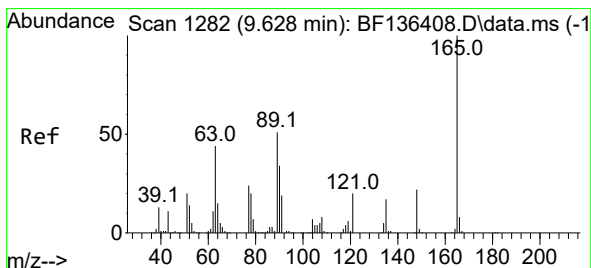
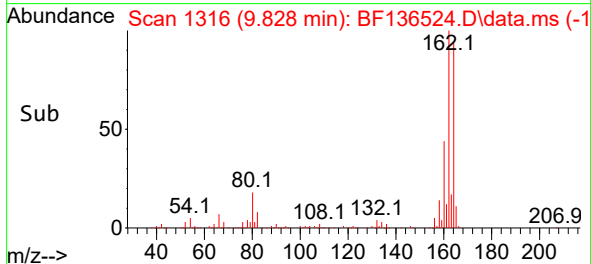
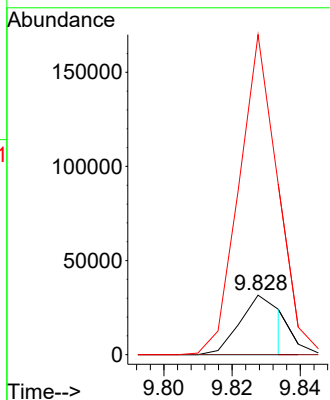
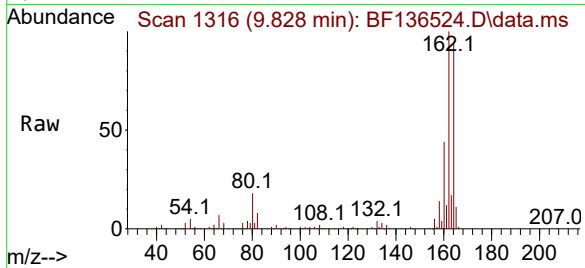




#50
Dimethylphthalate
Concen: 2.602 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

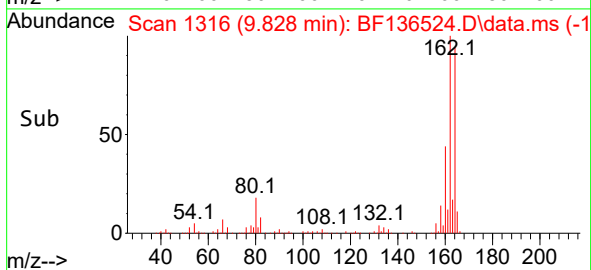
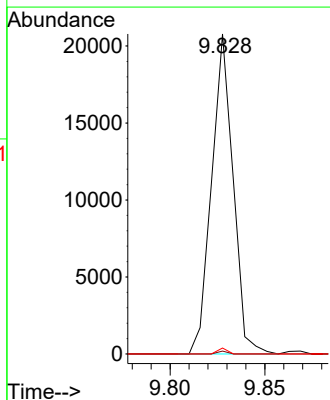
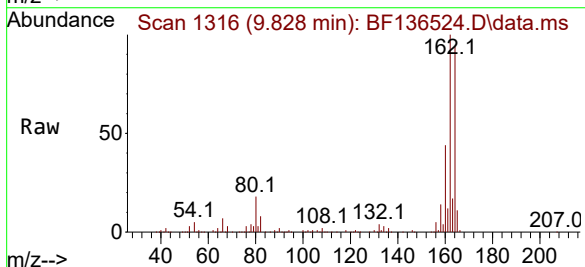
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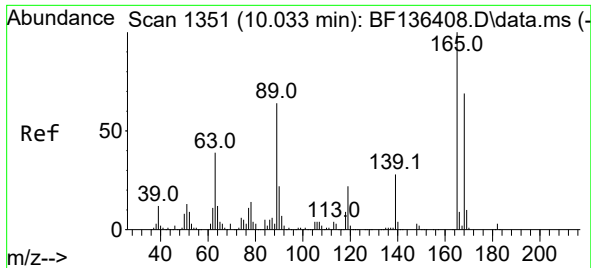
Tgt Ion:163 Resp: 25992
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 536.8 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.292 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:165 Resp: 16389
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 1.8 40.6 60.8#

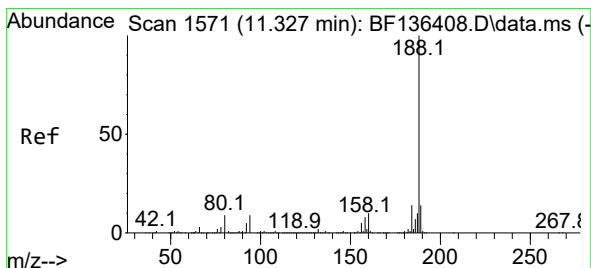
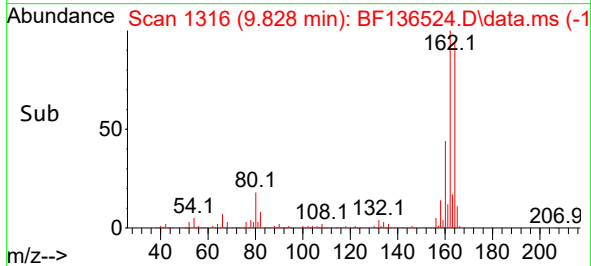
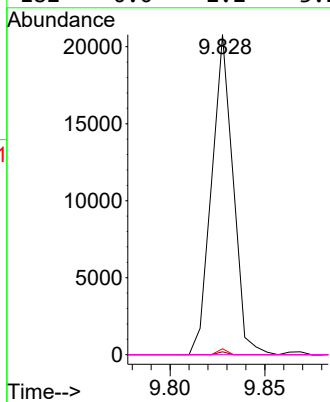
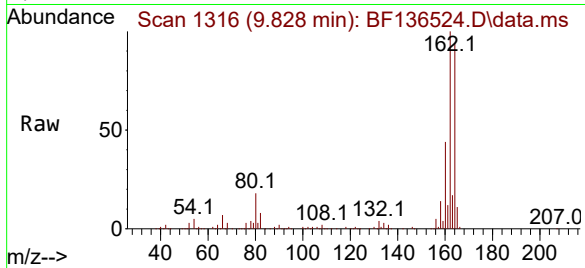




#57
2,4-Dinitrotoluene
Concen: 5.512 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

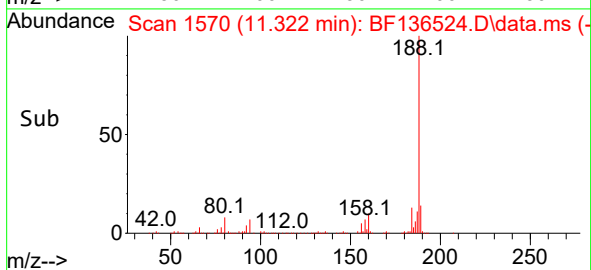
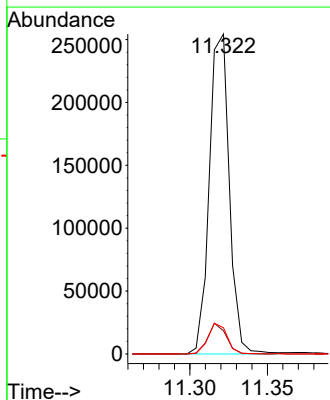
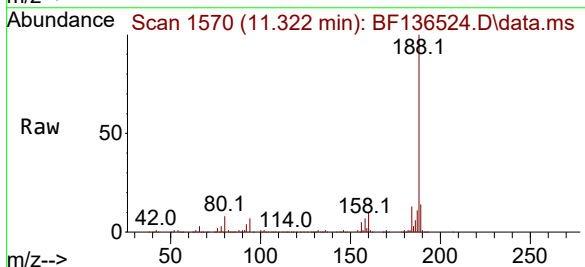
Instrument :
BNA_F
ClientSampleId :
WC-2

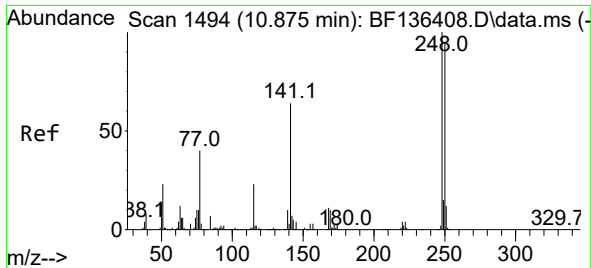
Tgt Ion:165 Resp: 16389
Ion Ratio Lower Upper
165 100
63 0.9 31.4 47.2#
89 1.8 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:188 Resp: 228776
Ion Ratio Lower Upper
188 100
94 7.3 7.2 10.8
80 8.2 7.2 10.8

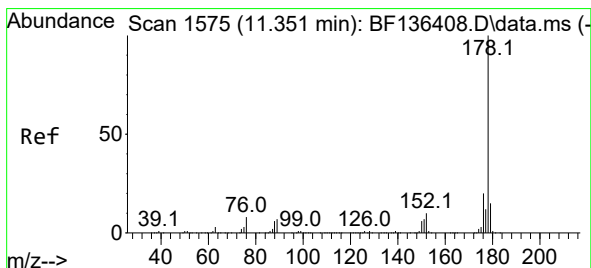
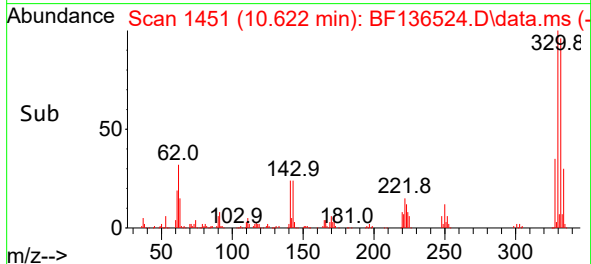
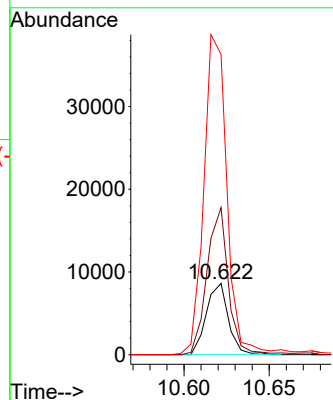
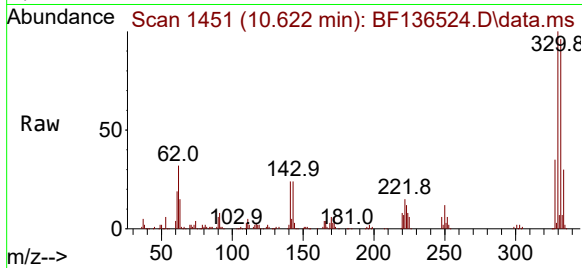




#67
4-Bromophenyl-phenylether
Concen: 2.929 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

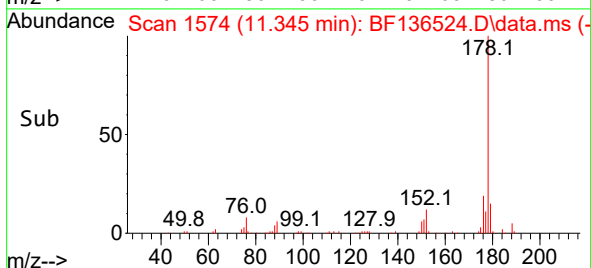
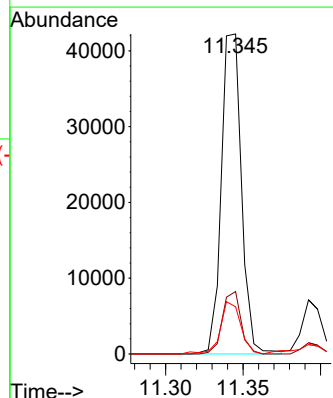
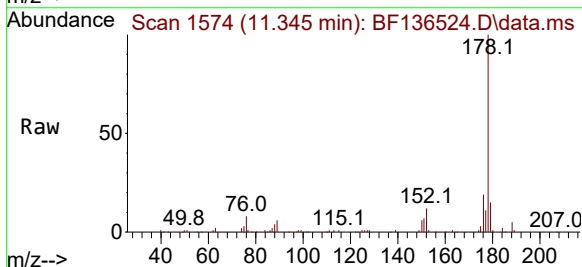
Instrument :
BNA_F
ClientSampleId :
WC-2

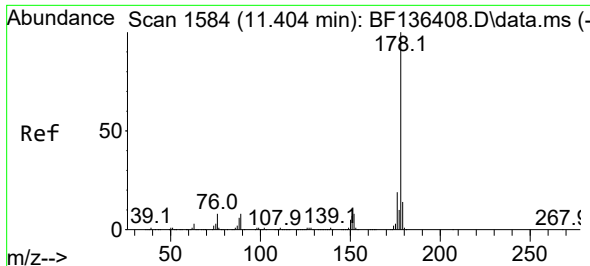
Tgt Ion:248 Resp: 7791
Ion Ratio Lower Upper
248 100
250 206.3 76.2 114.2#
141 421.5 51.0 76.4#



#71
Phenanthrene
Concen: 3.038 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:178 Resp: 38203
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.7 11.8 17.6

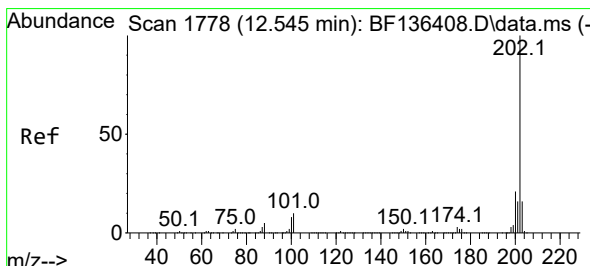
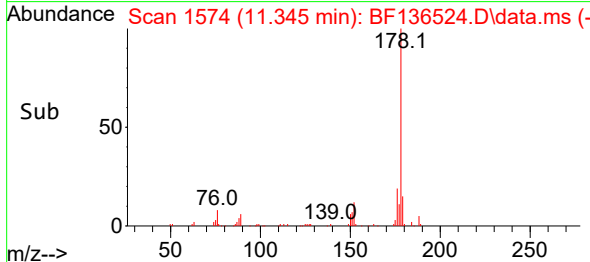
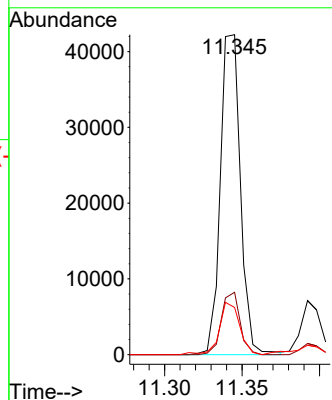
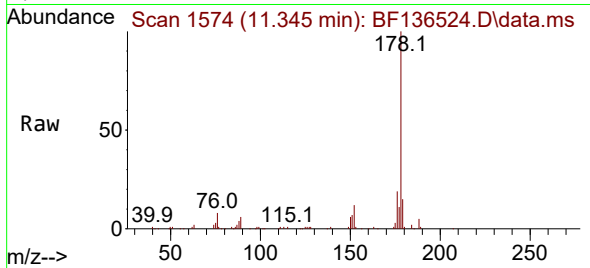




#72
 Anthracene
 Concen: 3.016 ng
 RT: 11.345 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF136524.D
 Acq: 12 Dec 2023 19:28

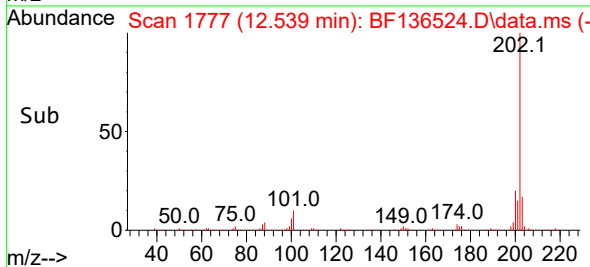
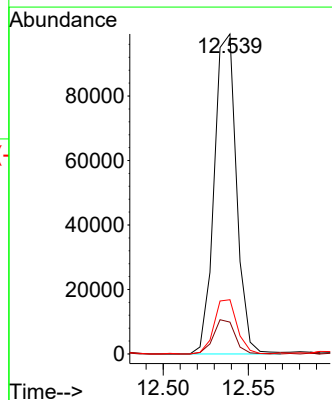
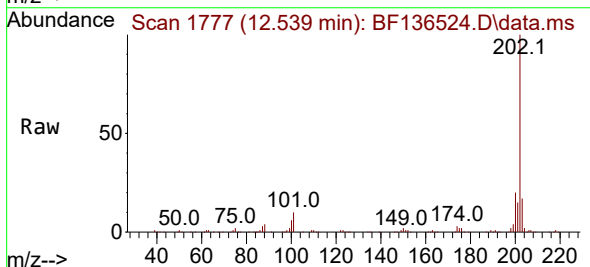
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

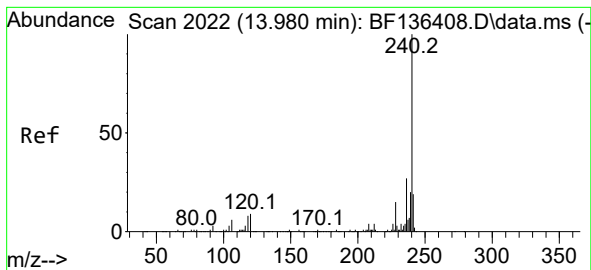
Tgt Ion:178 Resp: 38203
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.3 22.9
 179 14.7 11.4 17.0



#75
 Fluoranthene
 Concen: 6.854 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF136524.D
 Acq: 12 Dec 2023 19:28

Tgt Ion:202 Resp: 90322
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 29.9
 203 17.0 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Instrument :

BNA_F

ClientSampleId :

WC-2

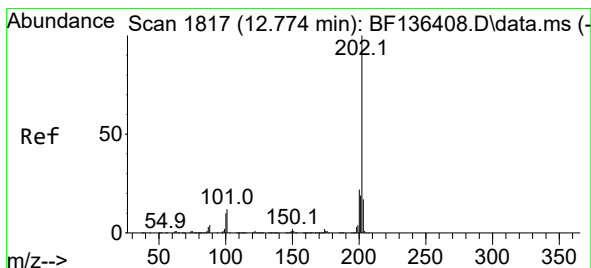
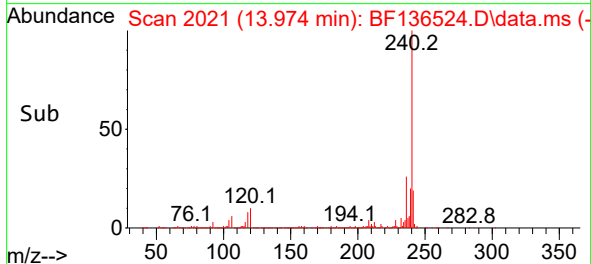
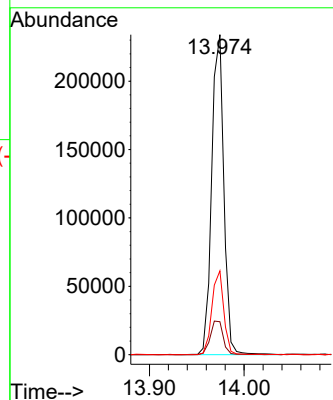
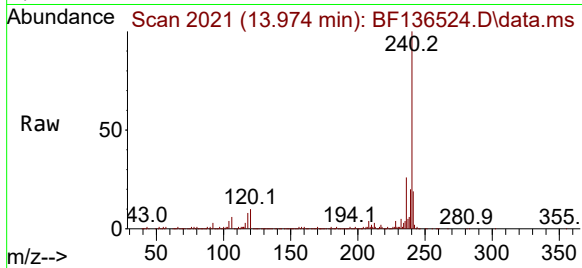
Tgt Ion:240 Resp: 208086

Ion Ratio Lower Upper

240 100

120 10.3 7.3 10.9

236 26.2 21.3 31.9



#78

Pyrene

Concen: 4.470 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

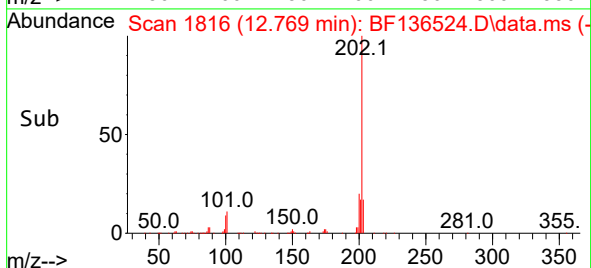
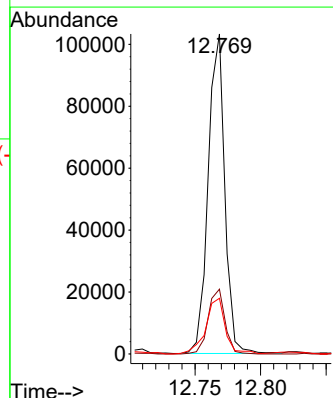
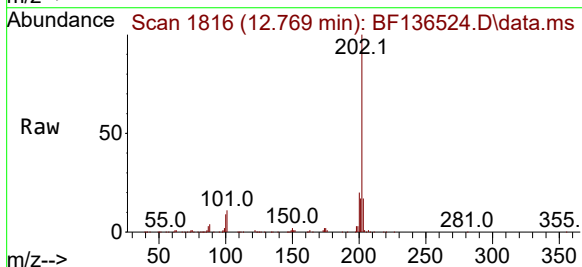
Tgt Ion:202 Resp: 91086

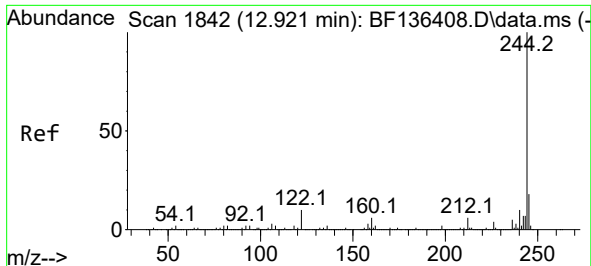
Ion Ratio Lower Upper

202 100

200 20.2 18.0 27.0

203 17.4 13.5 20.3

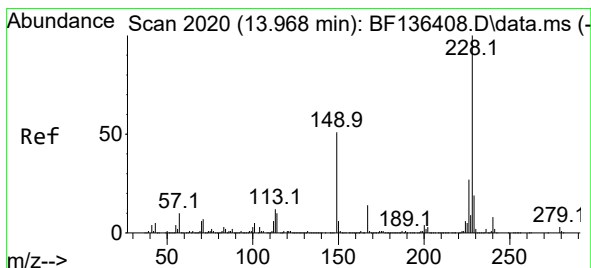
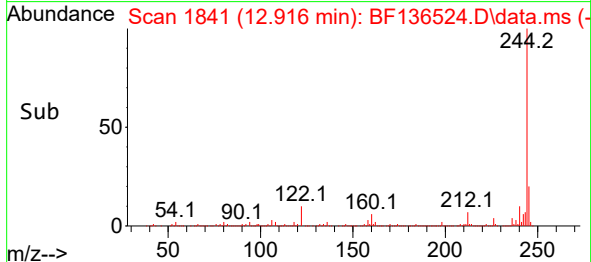
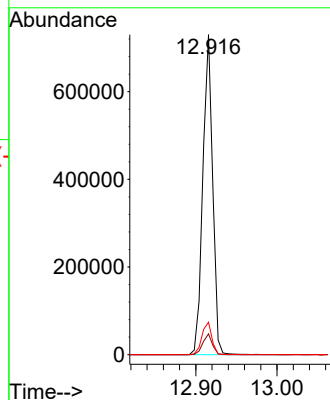
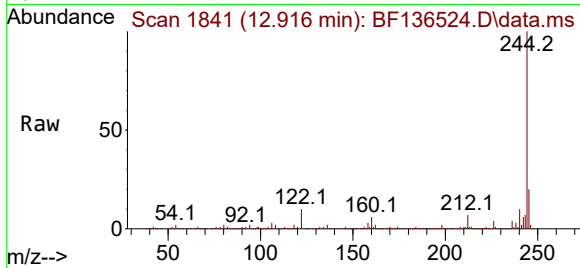




#79
 Terphenyl-d14
 Concen: 38.908 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136524.D
 Acq: 12 Dec 2023 19:28

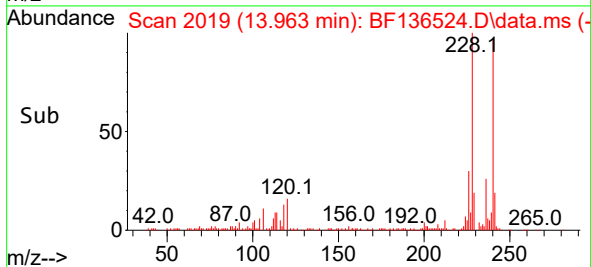
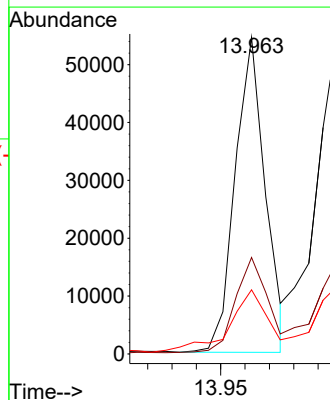
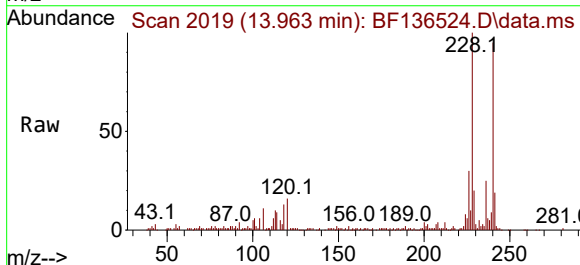
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

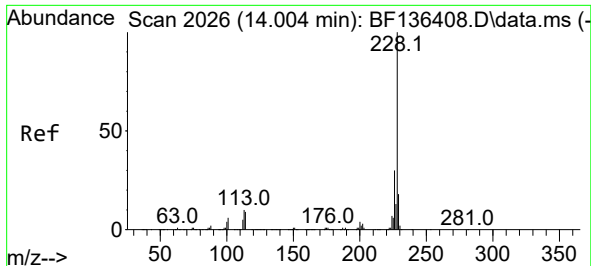
Tgt Ion:244 Resp: 614264
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 10.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.238 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136524.D
 Acq: 12 Dec 2023 19:28

Tgt Ion:228 Resp: 46931
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.8
 229 20.3 15.0 22.4

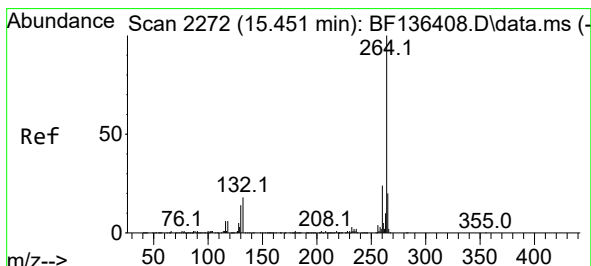
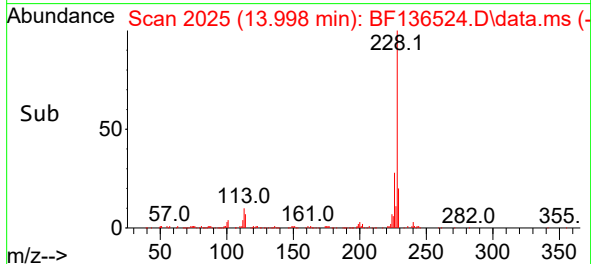
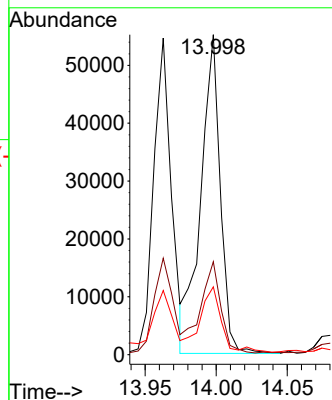
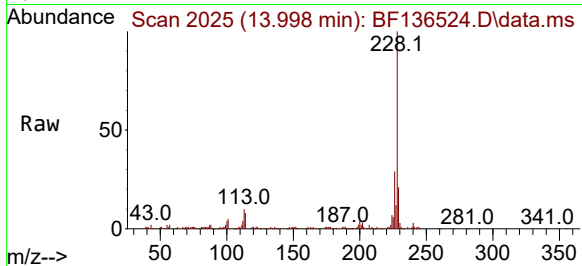




#83
Chrysene
Concen: 3.718 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

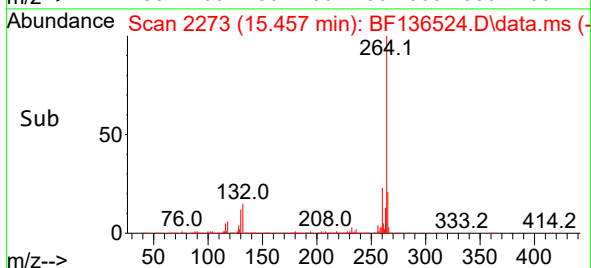
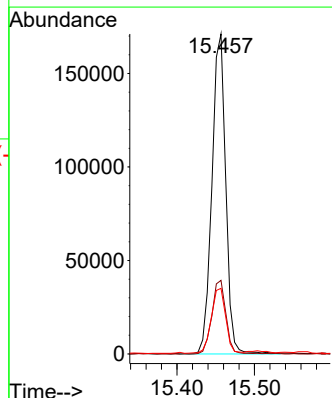
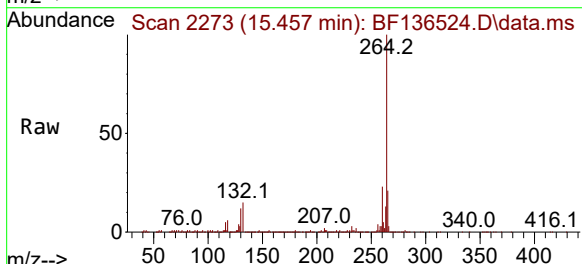
Instrument :
BNA_F
ClientSampleId :
WC-2

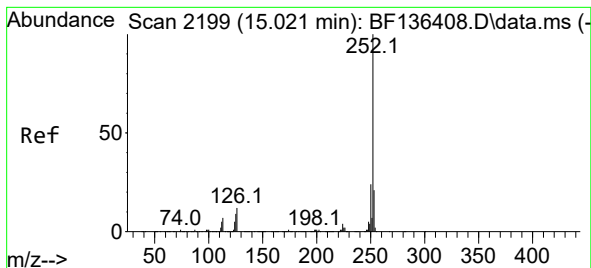
Tgt Ion:228 Resp: 53023
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.6
229 21.2 14.8 22.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:264 Resp: 212008
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 20.5 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 5.982 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Instrument :

BNA_F

ClientSampleId :

WC-2

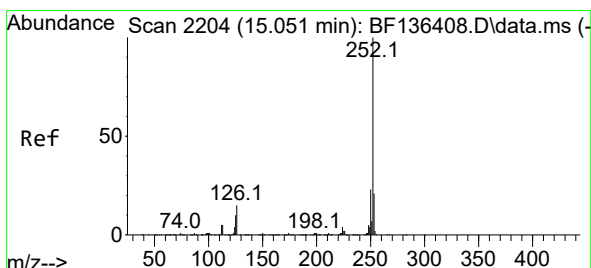
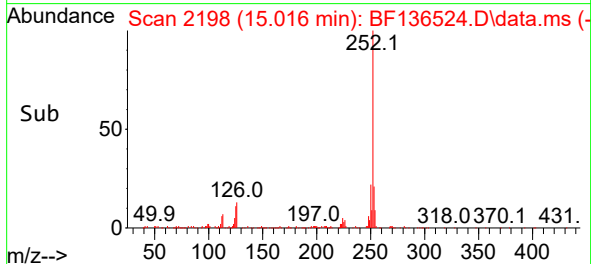
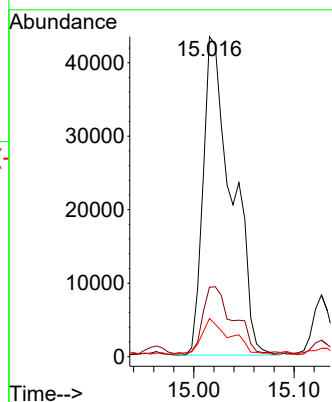
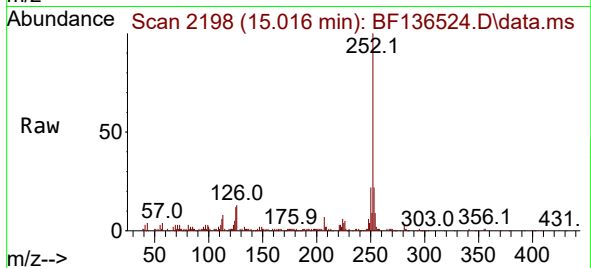
Tgt Ion:252 Resp: 86710

Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

125 11.9 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 6.347 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

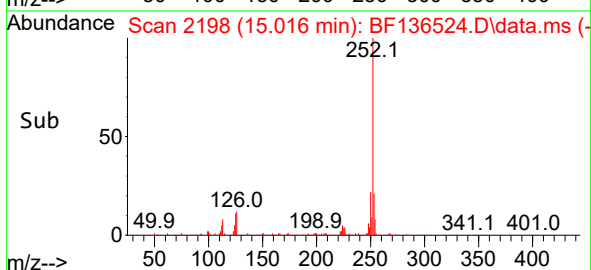
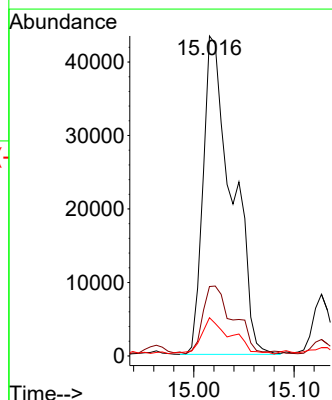
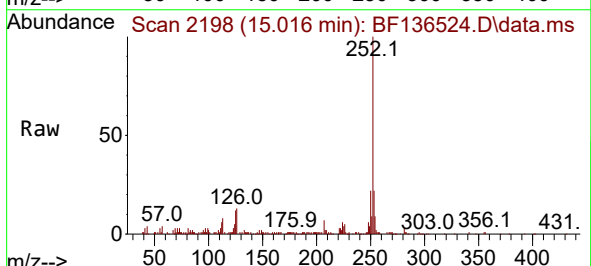
Tgt Ion:252 Resp: 86710

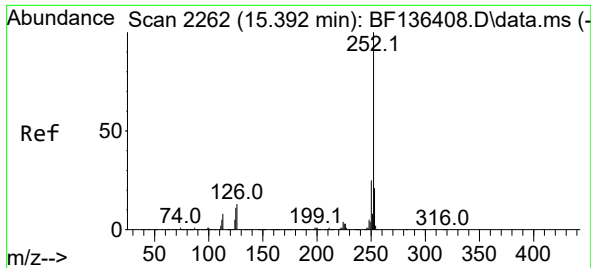
Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

125 11.9 7.5 11.3#





#90
 Benzo(a)pyrene
 Concen: 3.576 ng
 RT: 15.386 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF136524.D
 Acq: 12 Dec 2023 19:28

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:252 Resp: 42811
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.0 25.4
 125 11.3 8.6 13.0

