

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136560.D
 Acq On : 14 Dec 2023 03:06
 Operator : CG\JU
 Sample : 05726-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Dec 14 03:52:48 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)

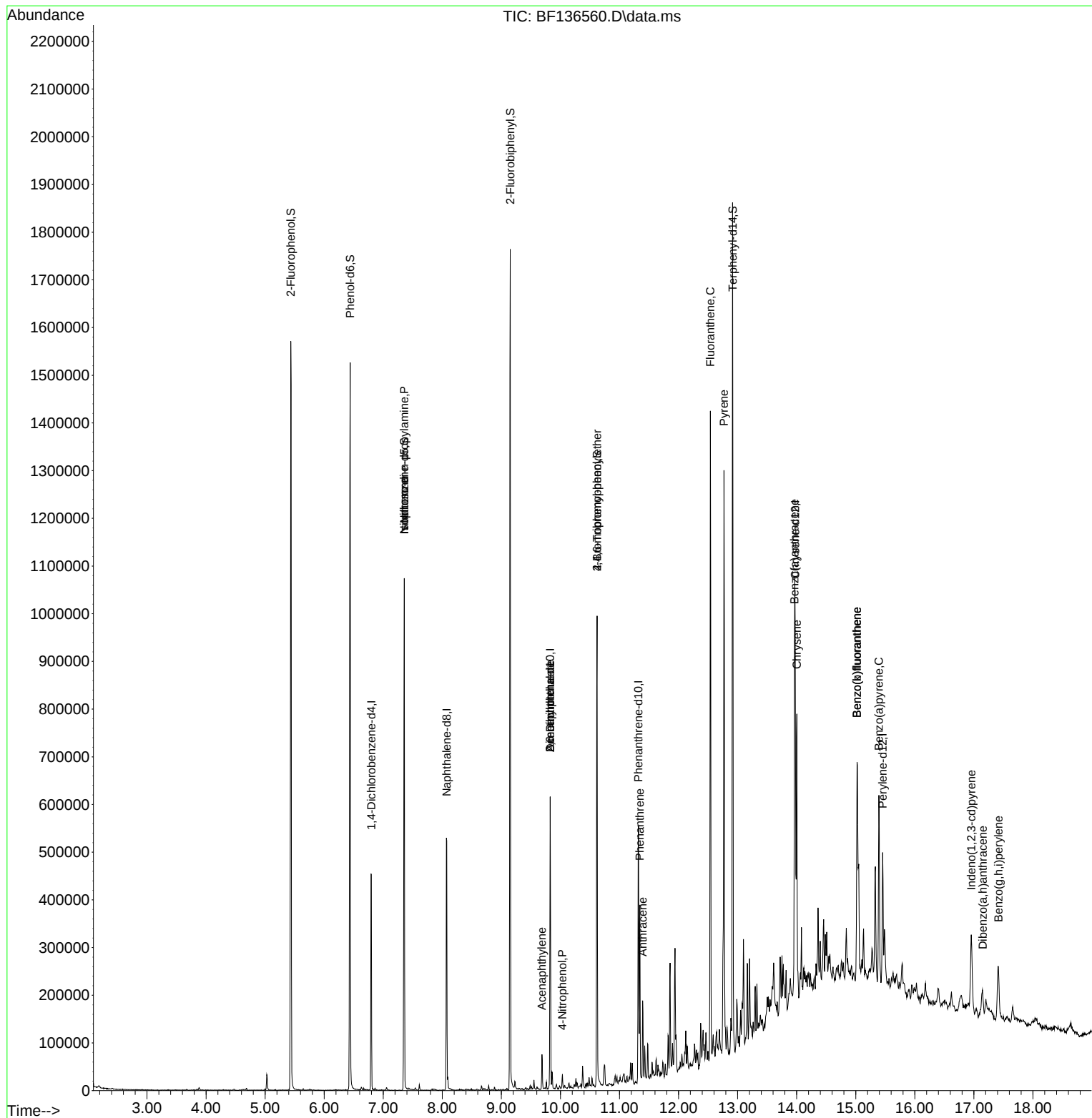
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	71393	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	245806	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	109468	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	200843	20.000	ng	0.00
76) Chrysene-d12	13.974	240	165199	20.000	ng	0.00
86) Perylene-d12	15.457	264	125486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	463506	95.880	ng	0.00
7) Phenol-d6	6.440	99	535546	88.793	ng	0.00
23) Nitrobenzene-d5	7.357	82	317639	69.859	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	124626	92.333	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	539594	67.259	ng	-0.01
79) Terphenyl-d14	12.916	244	566611	45.207	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	134	Below Cal	#	38
19) n-Nitroso-di-n-propyla...	7.357	70	40598	11.669	ng	# 79
25) Isophorone	7.357	82	317633	38.883	ng	# 65
49) Acenaphthylene	9.686	152	29745	2.880	ng	98
50) Dimethylphthalate	9.828	163	21439	2.660	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	14081	7.766	ng	# 29
56) 4-Nitrophenol	10.033	139	3132	2.256	ng	# 11
67) 4-Bromophenyl-phenylether	10.622	248	7819	3.348	ng	# 1
71) Phenanthrene	11.345	178	141878	12.852	ng	98
72) Anthracene	11.392	178	63884	5.746	ng	98
75) Fluoranthene	12.539	202	528904	45.719	ng	98
77) Benzidine	12.645	184	598	Below Cal	#	1
78) Pyrene	12.769	202	488303	30.181	ng	97
81) Benzo(a)anthracene	13.963	228	287434	24.979	ng	96
83) Chrysene	14.004	228	252942	22.342	ng	96
87) Indeno(1,2,3-cd)pyrene	16.957	276	106017	12.161	ng	95
88) Benzo(b)fluoranthene	15.021	252	359861	41.943	ng	97
89) Benzo(k)fluoranthene	15.021	252	359861	44.506	ng	97
90) Benzo(a)pyrene	15.392	252	185176	26.134	ng	96
91) Dibenzo(a,h)anthracene	17.151	278	23433	3.281	ng	96
92) Benzo(g,h,i)perylene	17.415	276	98486	13.435	ng	99

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

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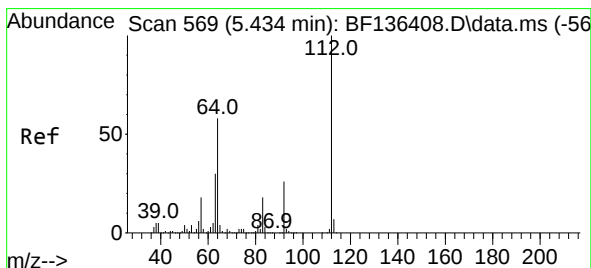
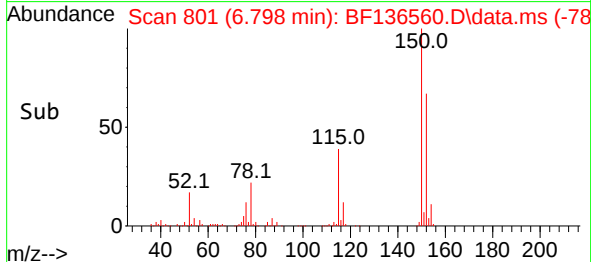
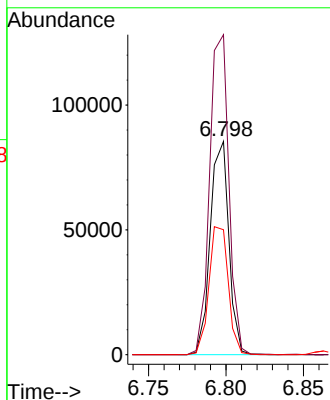
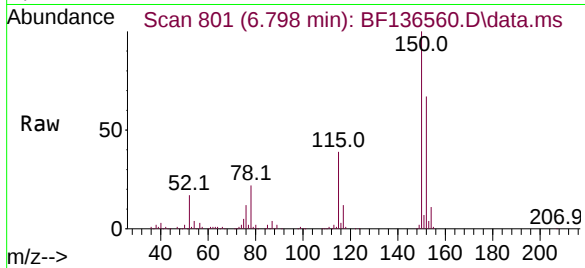




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

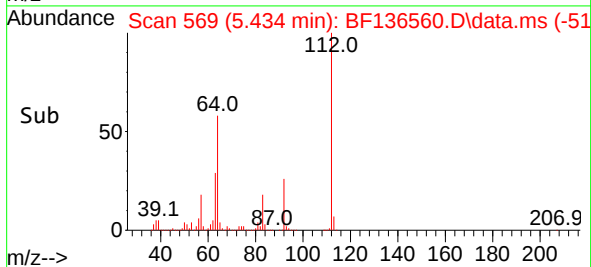
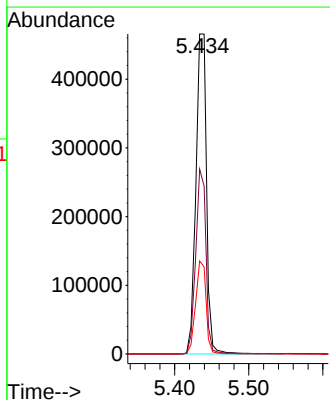
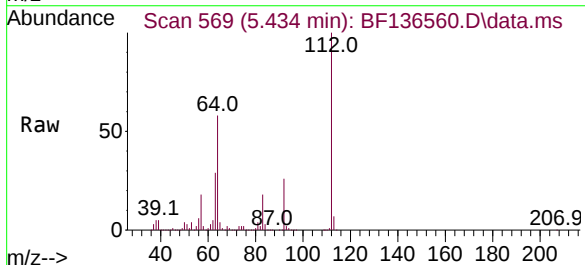
Instrument :
BNA_F
ClientSampleId :
WC-1

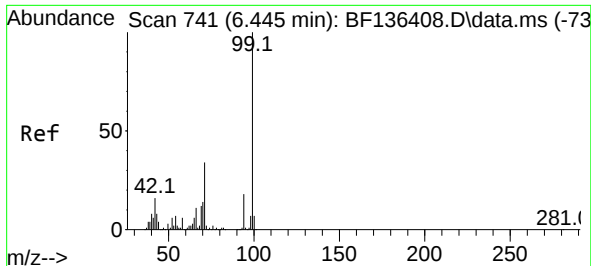
Tgt Ion:152 Resp: 71393
Ion Ratio Lower Upper
152 100
150 150.0 126.4 189.6
115 58.6 48.2 72.4



#5
2-Fluorophenol
Concen: 95.880 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion:112 Resp: 463506
Ion Ratio Lower Upper
112 100
64 57.8 46.5 69.7
63 29.1 23.9 35.9

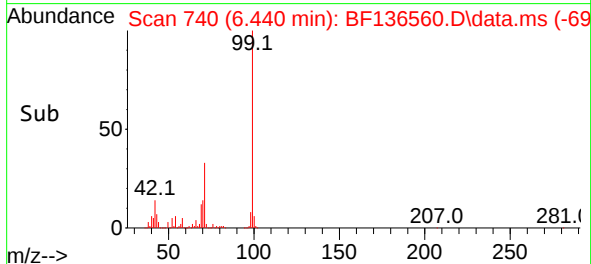
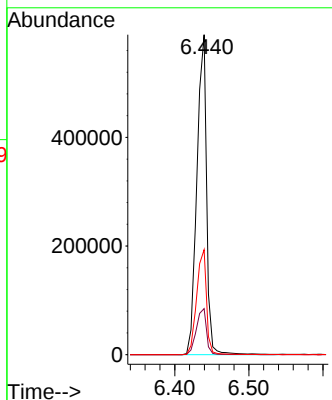
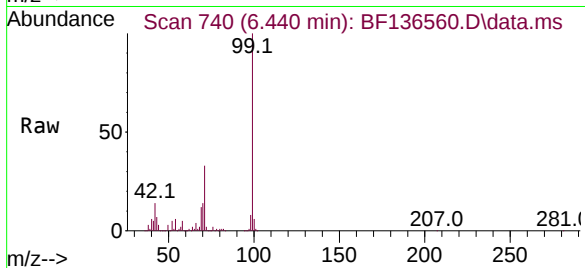




#7
Phenol-d6
Concen: 88.793 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

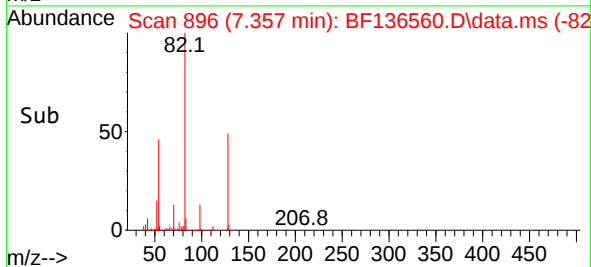
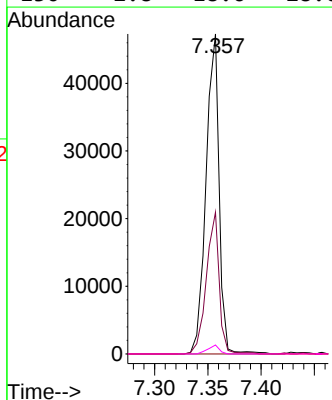
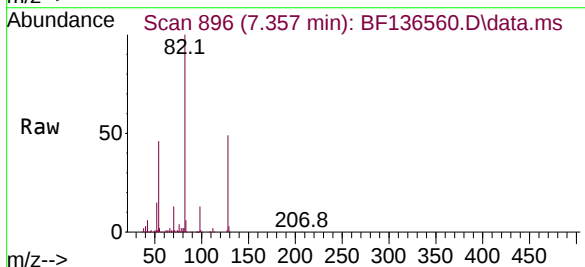
Instrument :
BNA_F
ClientSampleId :
WC-1

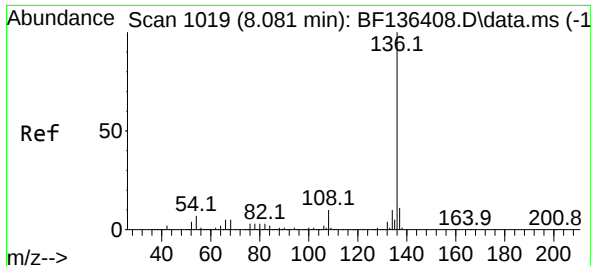
Tgt Ion: 99 Resp: 535546
Ion Ratio Lower Upper
99 100
42 14.4 12.8 19.2
71 32.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.669 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion: 70 Resp: 40598
Ion Ratio Lower Upper
70 100
42 44.3 41.4 62.0
101 0.0 8.2 12.4#
130 2.8 18.6 28.0#



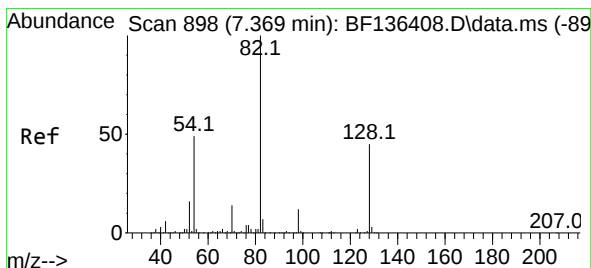
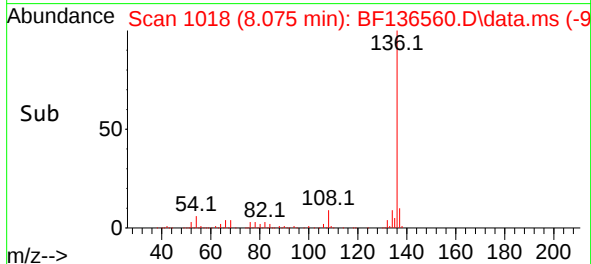
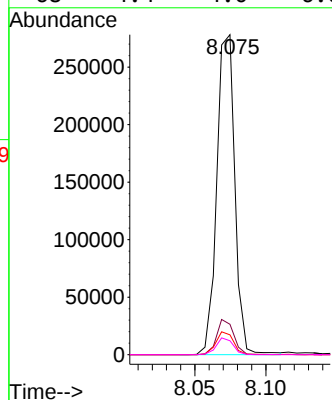
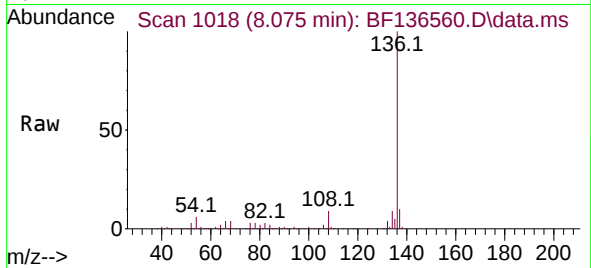


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 245806

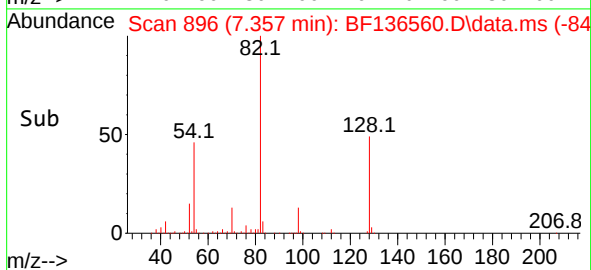
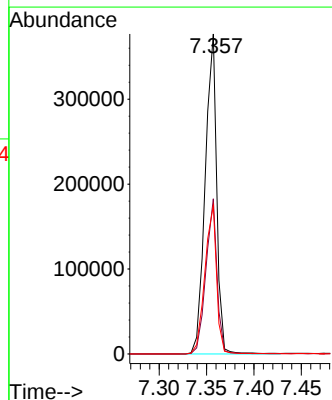
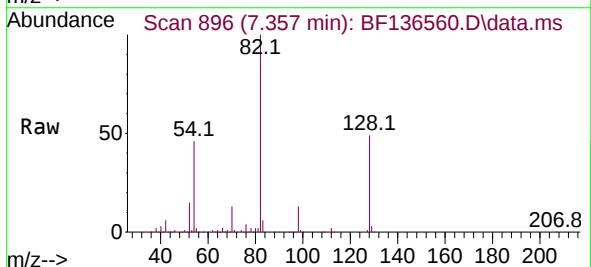
Ion	Ratio	Lower	Upper
136	100		
137	9.5	8.6	12.8
54	6.2	5.7	8.5
68	4.4	4.0	6.0

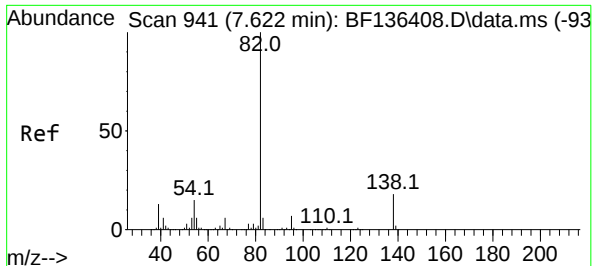


#23
Nitrobenzene-d5
Concen: 69.859 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion: 82 Resp: 317639

Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.3	54.5
54	46.4	39.0	58.6

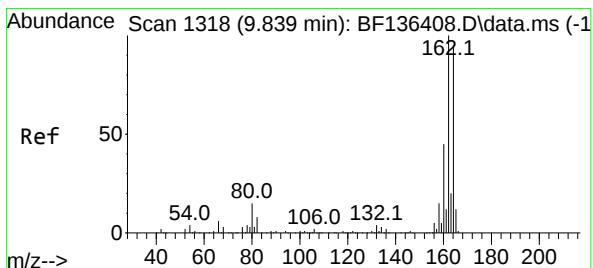
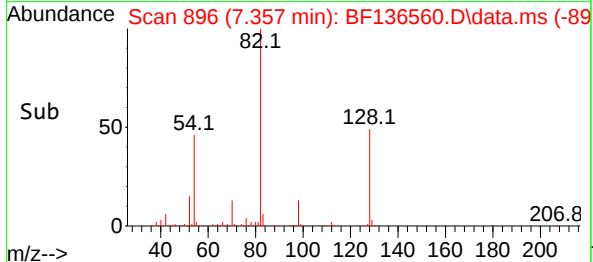
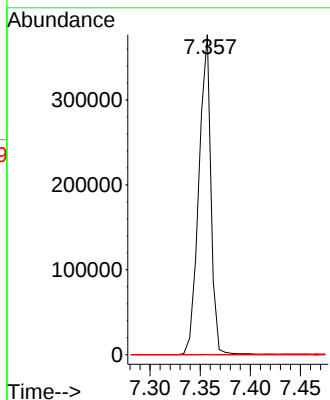
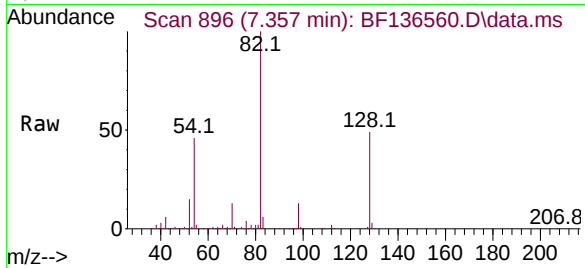




#25
Isophorone
Concen: 38.883 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

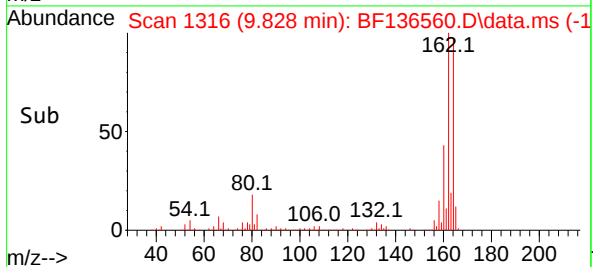
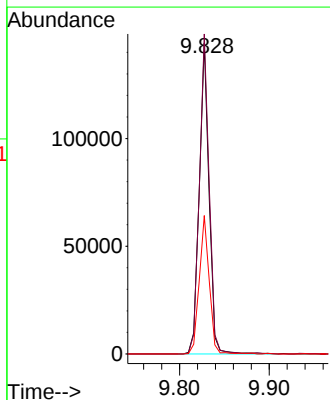
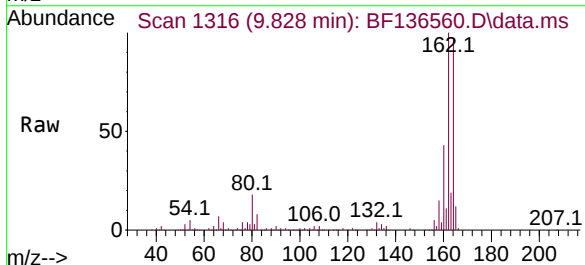
Instrument :
BNA_F
ClientSampleId :
WC-1

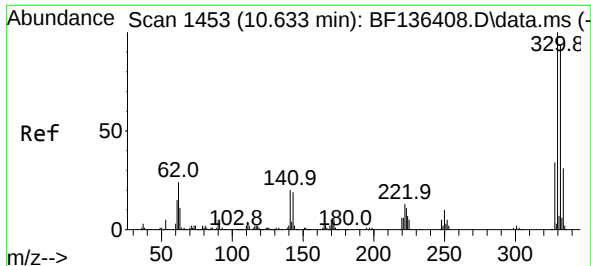
Tgt Ion: 82 Resp: 317633
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion:164 Resp: 109468
Ion Ratio Lower Upper
164 100
162 102.9 84.4 126.6
160 44.5 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 92.333 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

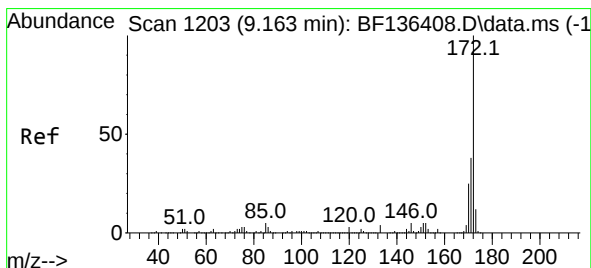
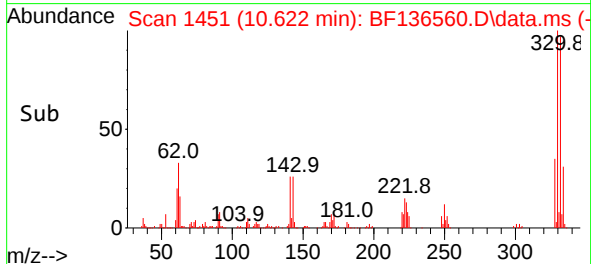
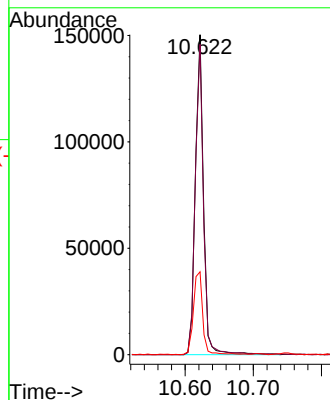
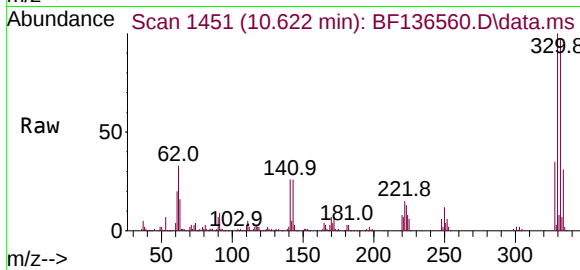
Tgt Ion:330 Resp: 124626

Ion Ratio Lower Upper

330 100

332 97.3 76.4 114.6

141 29.7 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 67.259 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

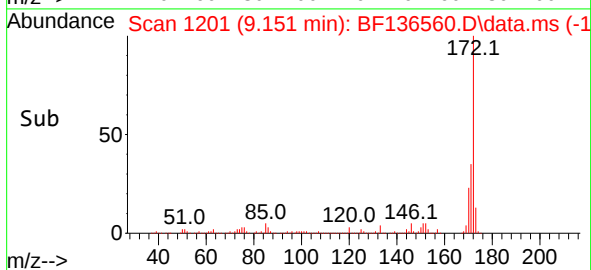
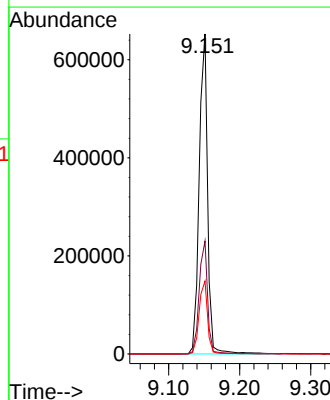
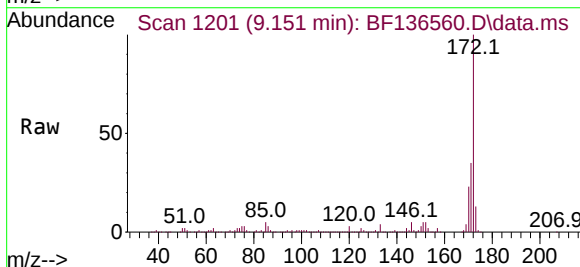
Tgt Ion:172 Resp: 539594

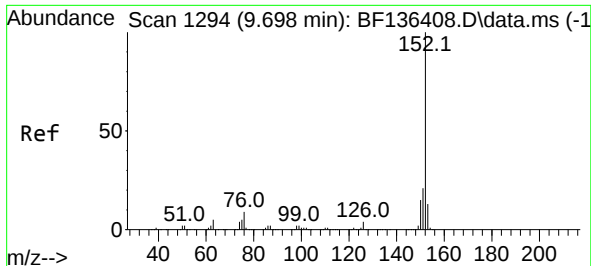
Ion Ratio Lower Upper

172 100

171 35.3 30.5 45.7

170 22.8 19.9 29.9

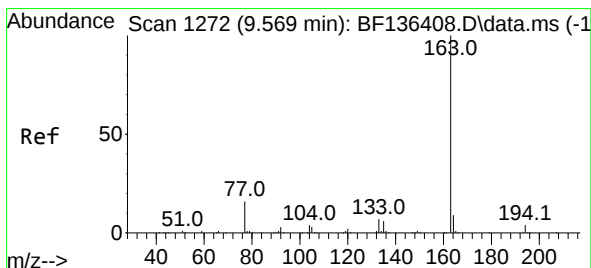
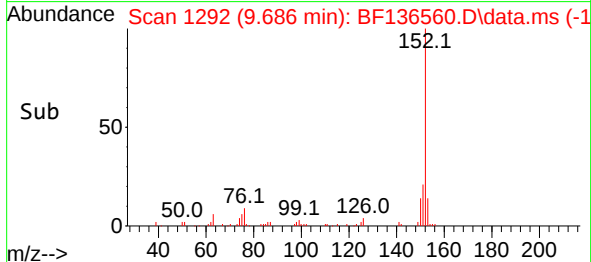
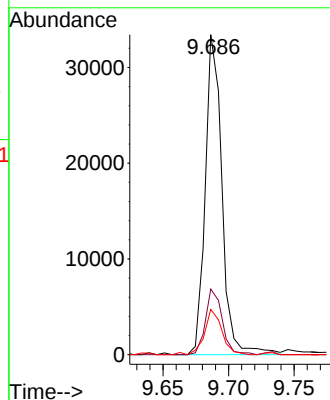
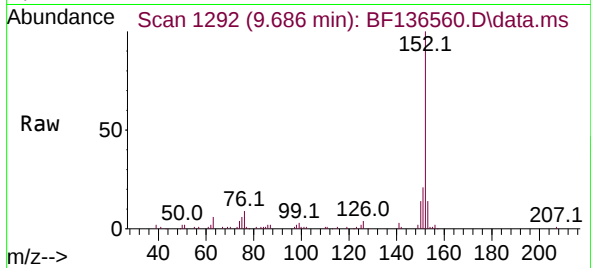




#49
Acenaphthylene
Concen: 2.880 ng
RT: 9.686 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

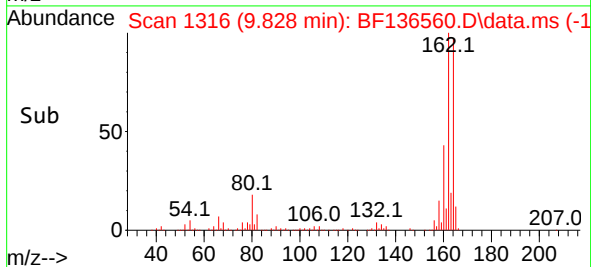
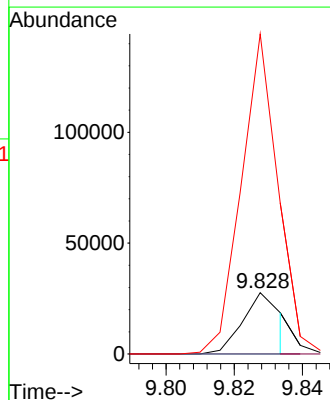
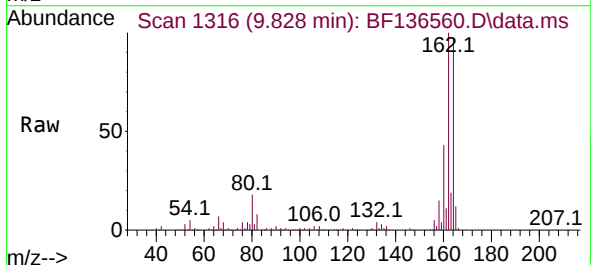
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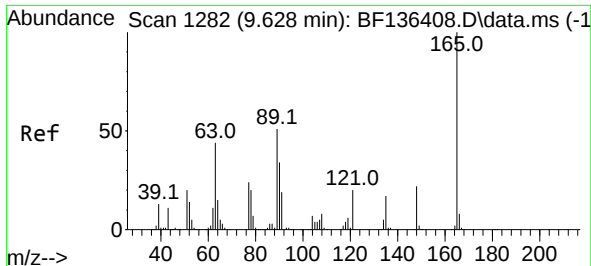
Tgt Ion:152 Resp: 29745
Ion Ratio Lower Upper
152 100
151 20.5 17.2 25.8
153 14.1 10.6 15.8



#50
Dimethylphthalate
Concen: 2.660 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion:163 Resp: 21439
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 521.9 7.4 11.2#

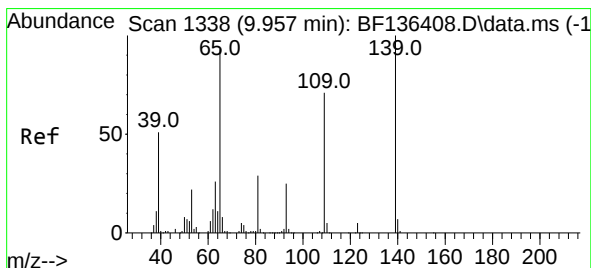
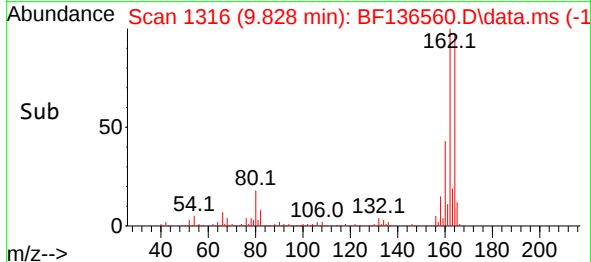
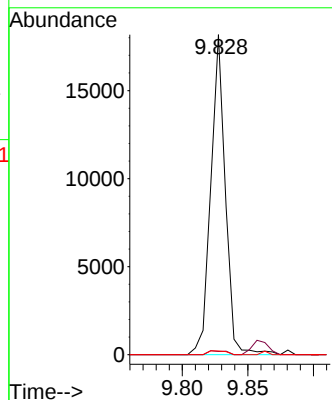
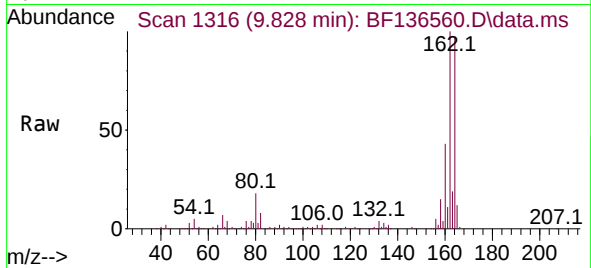




#51
2,6-Dinitrotoluene
Concen: 7.766 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

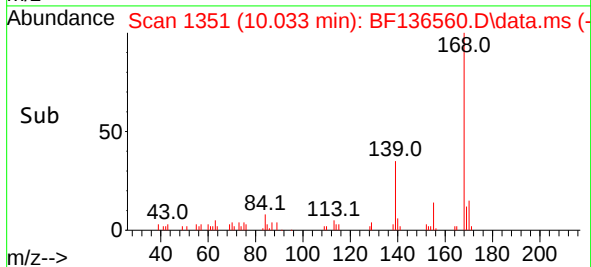
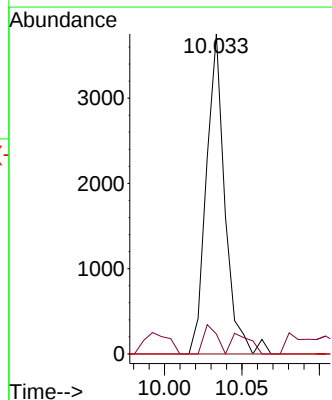
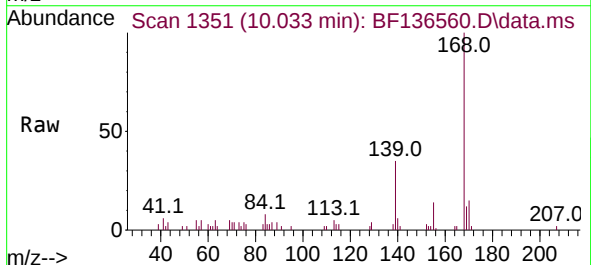
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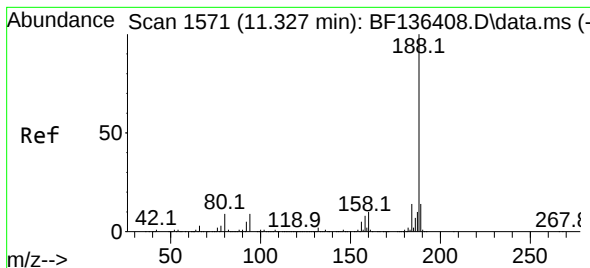
Tgt Ion:165 Resp: 14081
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 1.2 40.6 60.8#



#56
4-Nitrophenol
Concen: 2.256 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.076 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion:139 Resp: 3132
Ion Ratio Lower Upper
139 100
109 6.3 50.6 90.6#
65 0.0 73.1 113.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

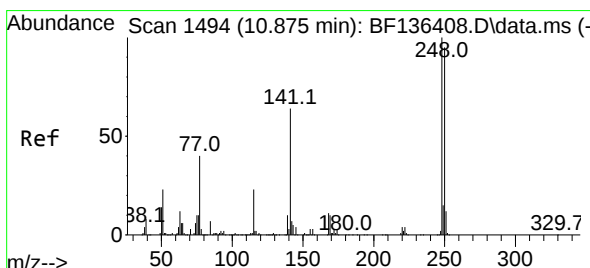
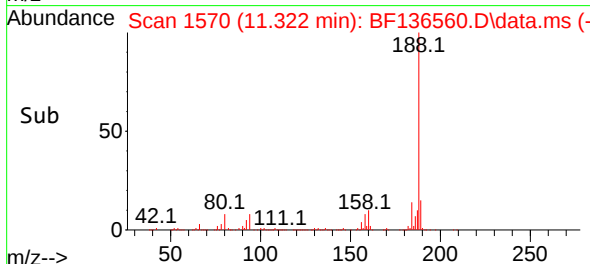
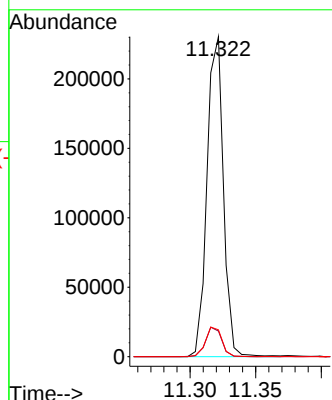
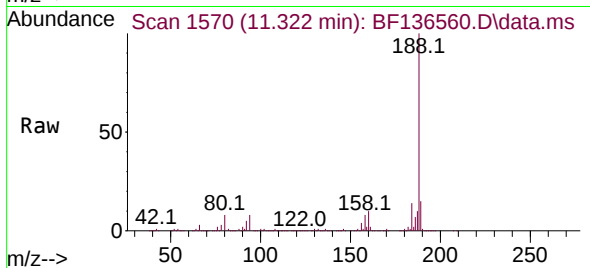
Tgt Ion:188 Resp: 200843

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

80 8.4 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.348 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.253 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

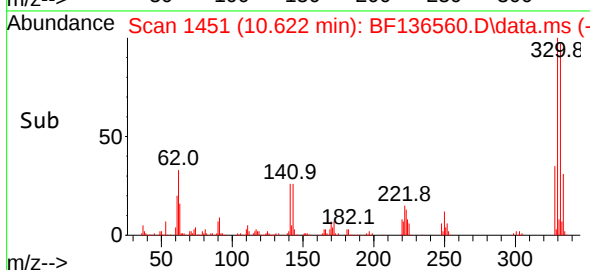
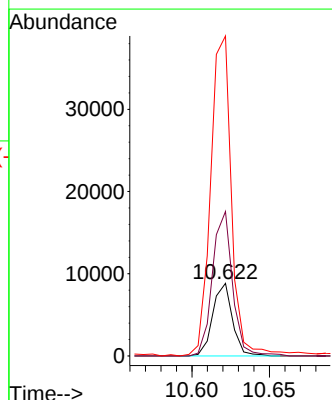
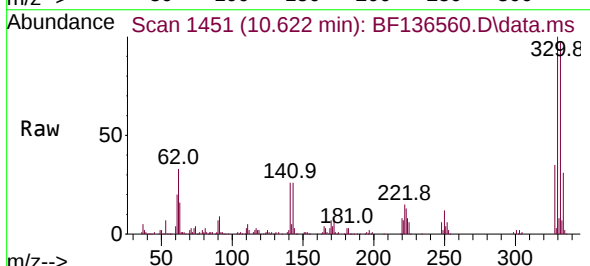
Tgt Ion:248 Resp: 7819

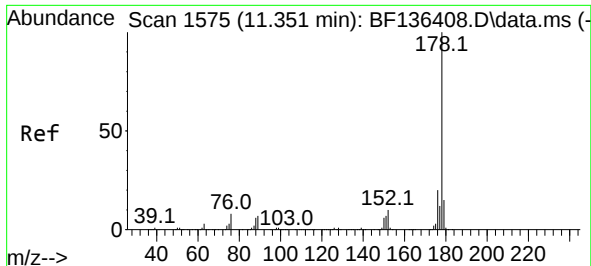
Ion Ratio Lower Upper

248 100

250 198.8 76.2 114.2#

141 440.6 51.0 76.4#

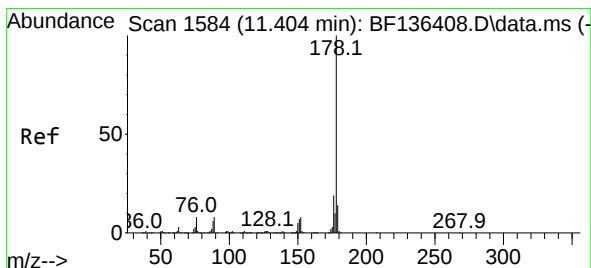
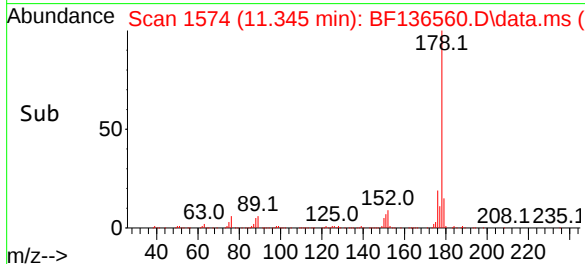
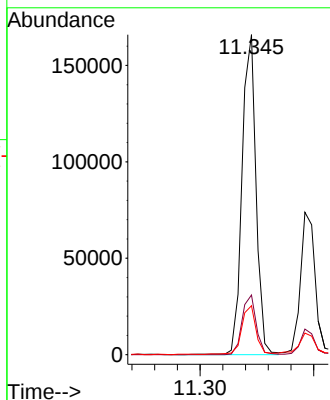
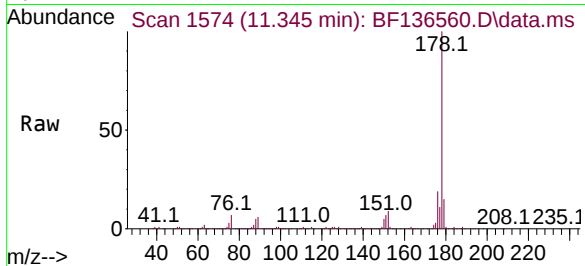




#71
Phenanthrene
Concen: 12.852 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

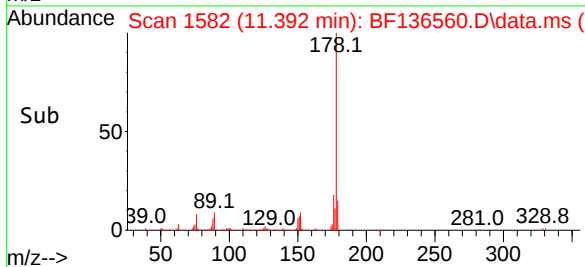
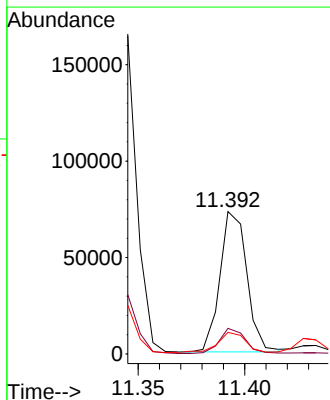
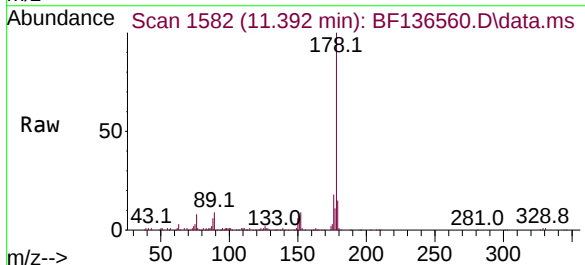
Instrument :
BNA_F
ClientSampleId :
WC-1

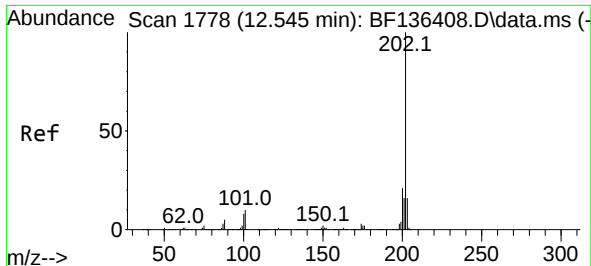
Tgt Ion:178 Resp: 141878
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.3 11.8 17.6



#72
Anthracene
Concen: 5.746 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion:178 Resp: 63884
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.1 11.4 17.0

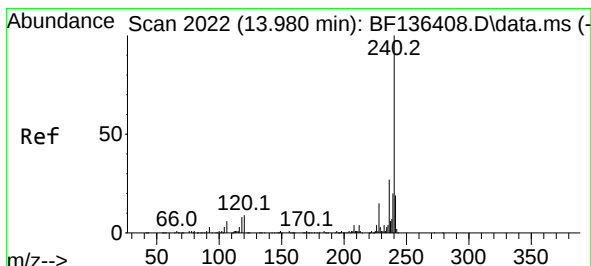
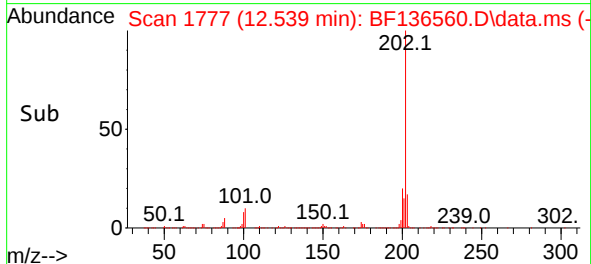
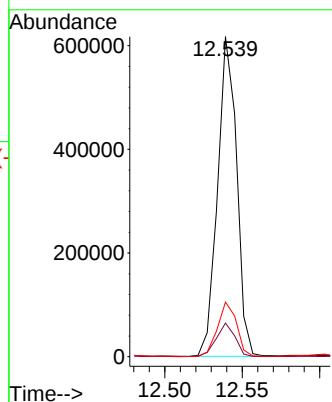
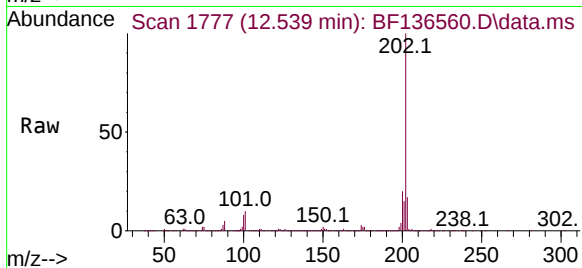




#75
Fluoranthene
Concen: 45.719 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

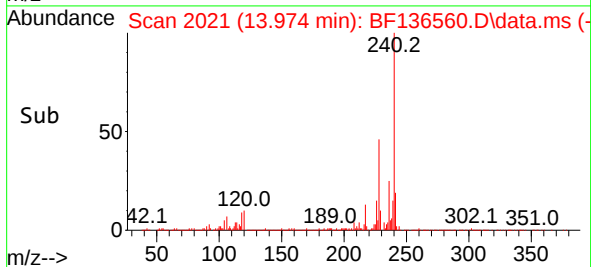
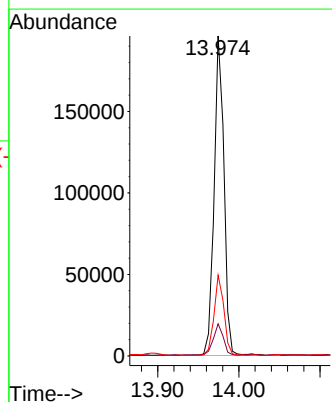
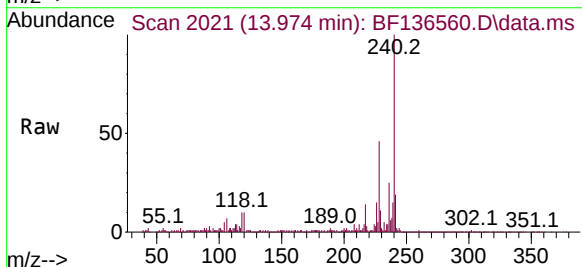
Instrument :
BNA_F
ClientSampleId :
WC-1

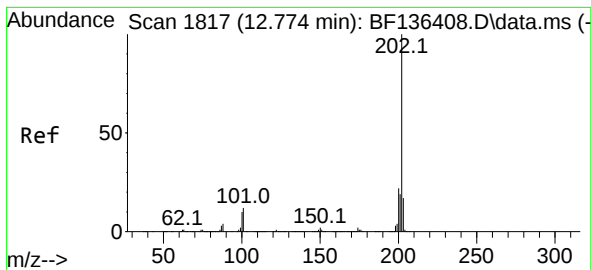
Tgt Ion:202 Resp: 528904
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.9
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136560.D
Acq: 14 Dec 2023 03:06

Tgt Ion:240 Resp: 165199
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.2 21.3 31.9





#78

Pyrene

Concen: 30.181 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

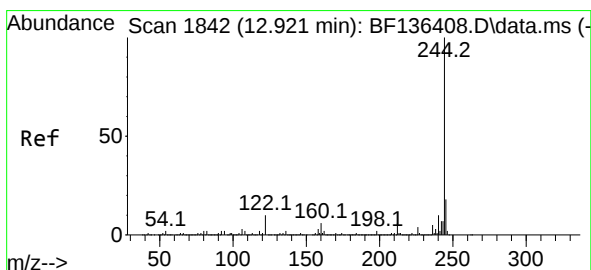
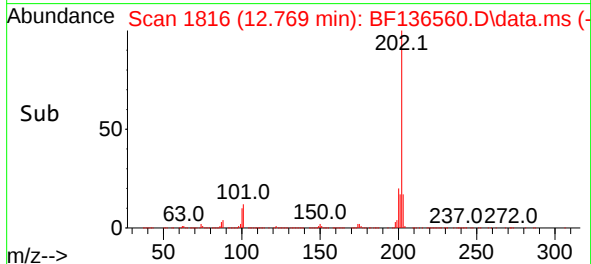
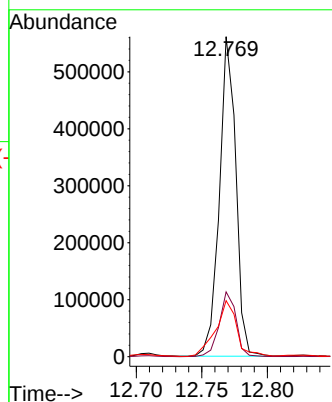
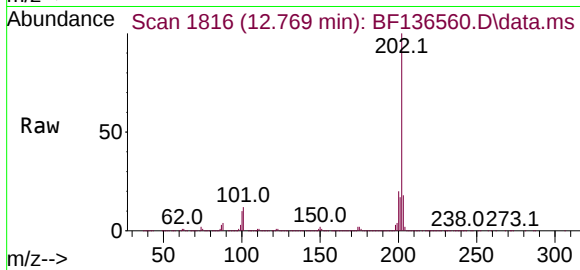
Tgt Ion:202 Resp: 488303

Ion Ratio Lower Upper

202 100

200 20.3 18.0 27.0

203 17.5 13.5 20.3



#79

Terphenyl-d14

Concen: 45.207 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

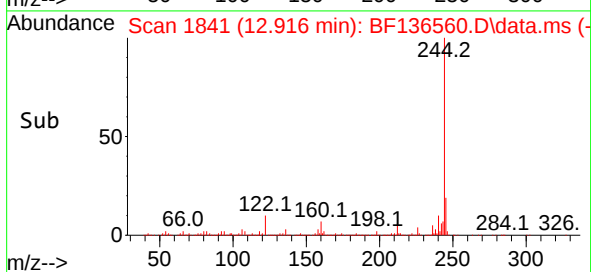
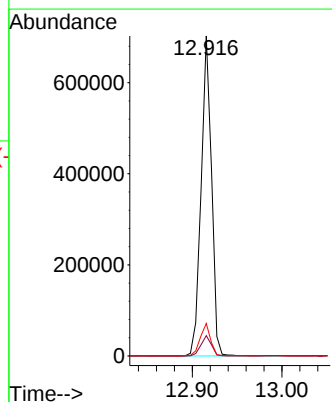
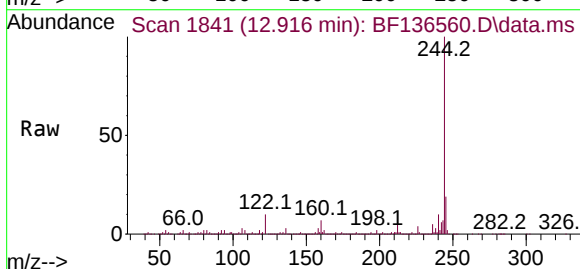
Tgt Ion:244 Resp: 566611

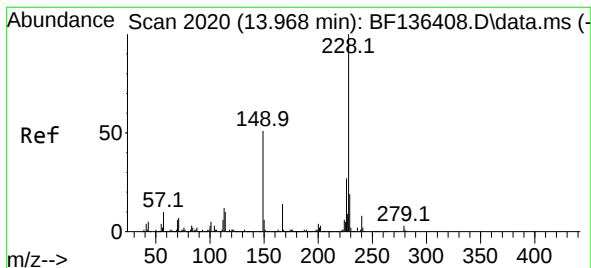
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 10.1 8.3 12.5





#81

Benzo(a)anthracene

Concen: 24.979 ng

RT: 13.963 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

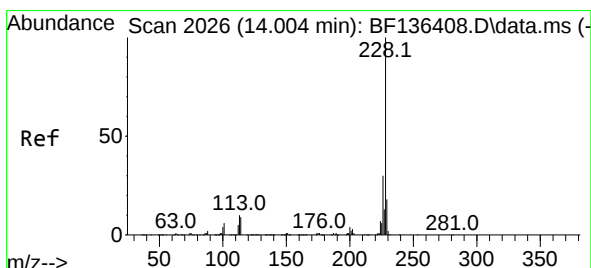
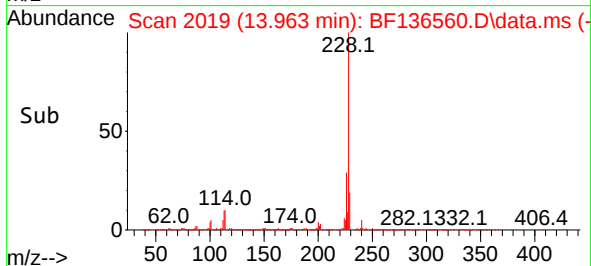
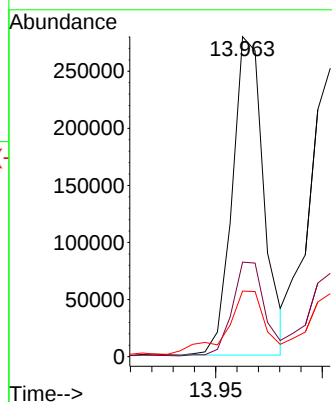
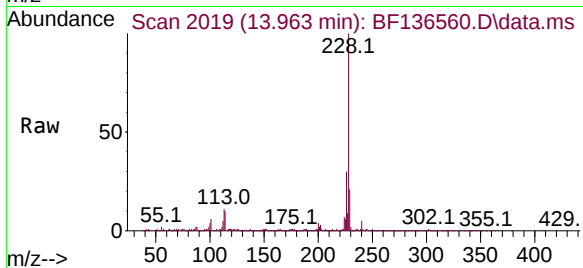
Tgt Ion:228 Resp: 287434

Ion Ratio Lower Upper

228 100

226 29.5 21.8 32.8

229 20.5 15.0 22.4



#83

Chrysene

Concen: 22.342 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

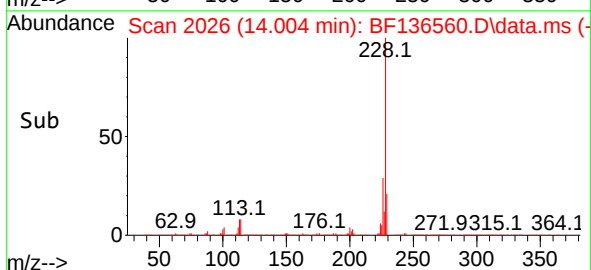
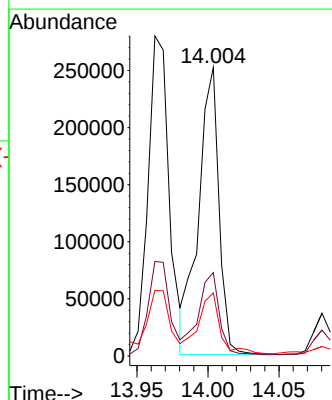
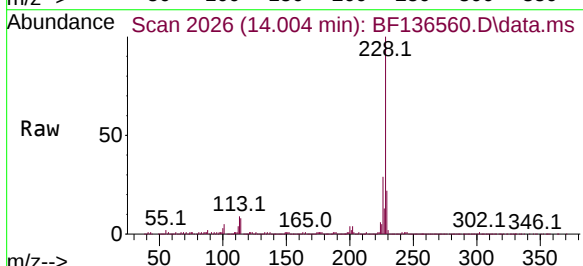
Tgt Ion:228 Resp: 252942

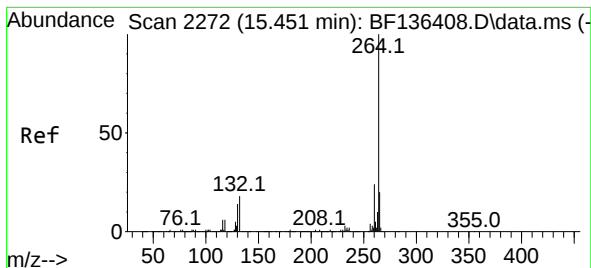
Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.6

229 21.9 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

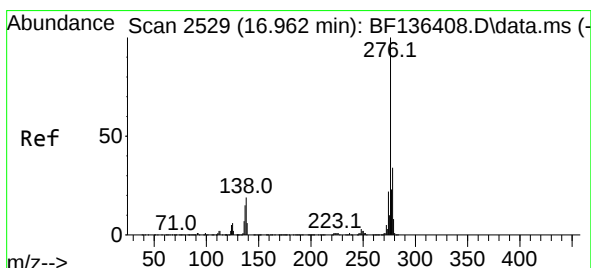
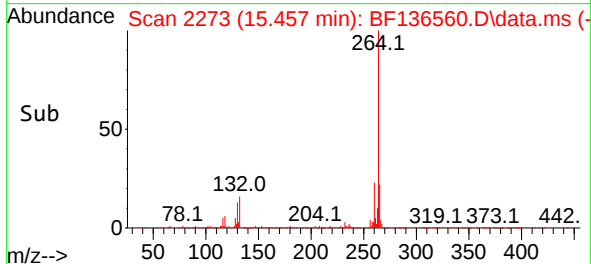
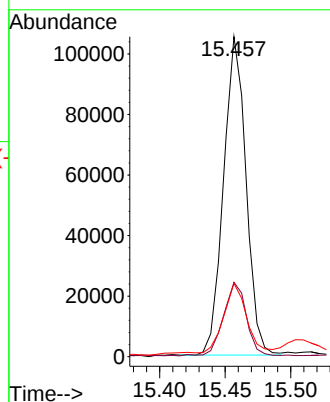
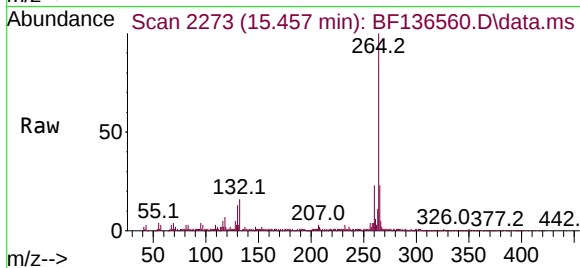
Tgt Ion:264 Resp: 125486

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.9 15.9 23.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.161 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

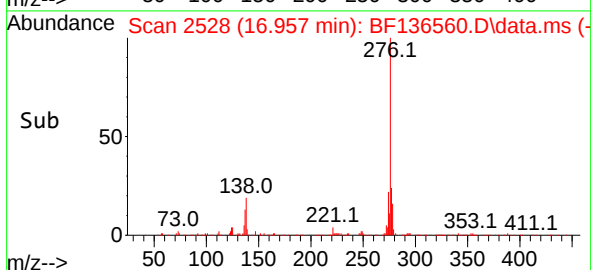
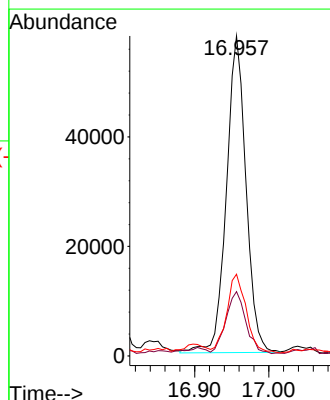
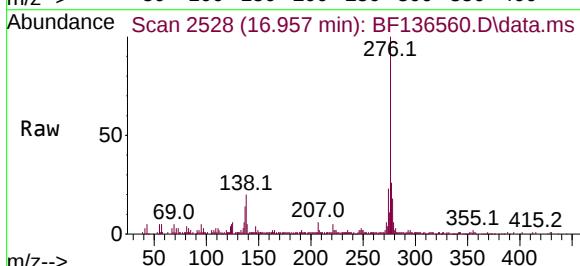
Tgt Ion:276 Resp: 106017

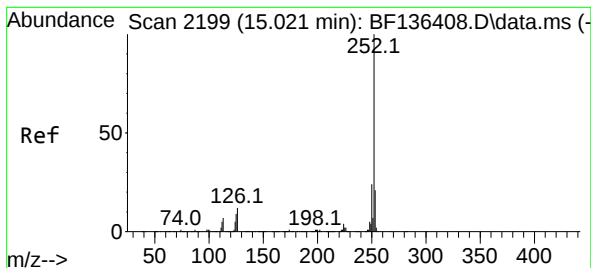
Ion Ratio Lower Upper

276 100

138 19.5 19.0 28.4

277 24.6 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 41.943 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

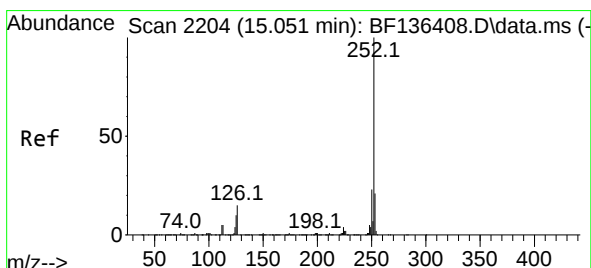
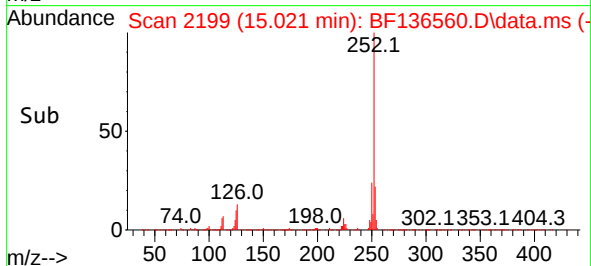
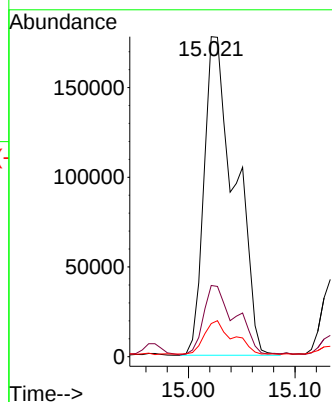
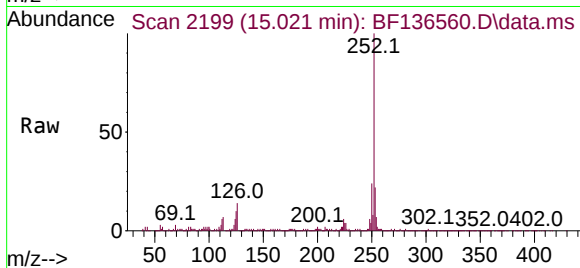
Tgt Ion:252 Resp: 359861

Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 10.4 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 44.506 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

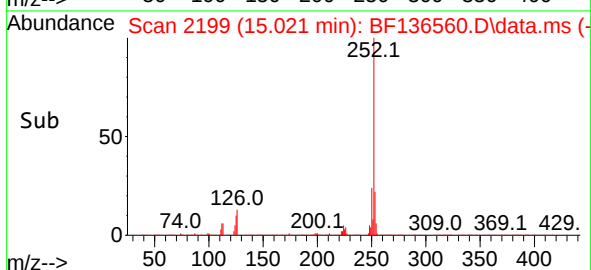
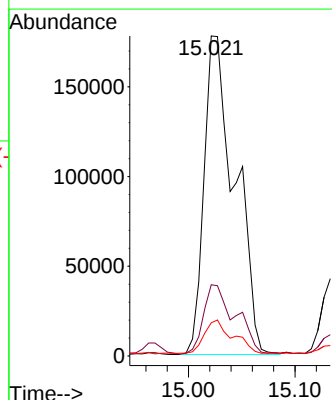
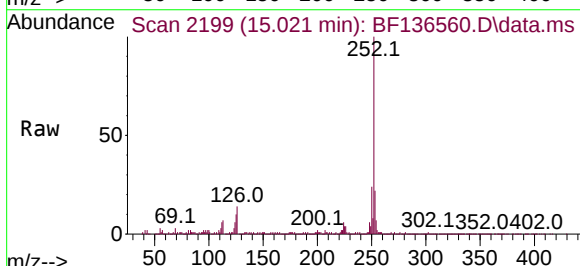
Tgt Ion:252 Resp: 359861

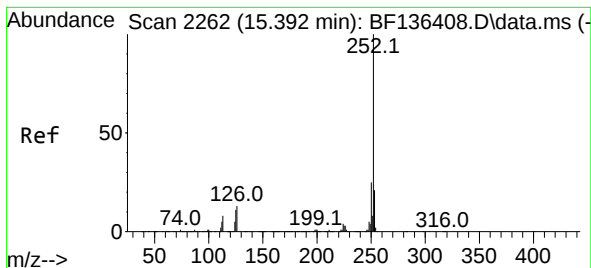
Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 10.4 7.5 11.3





#90

Benzo(a)pyrene

Concen: 26.134 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1

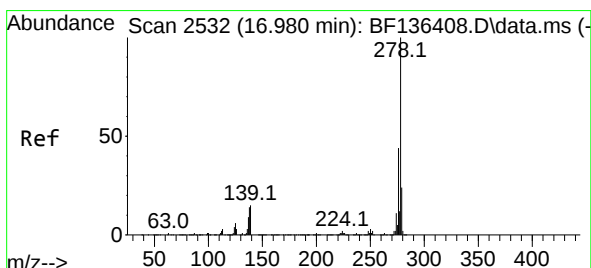
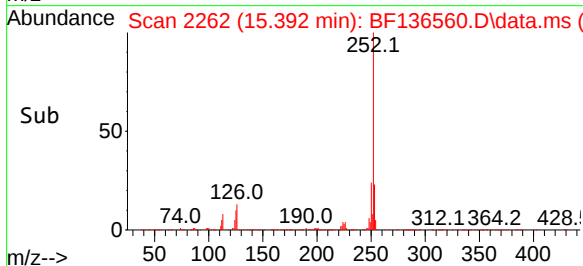
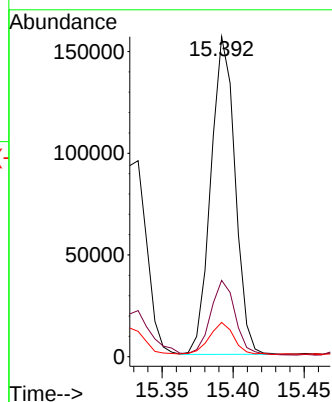
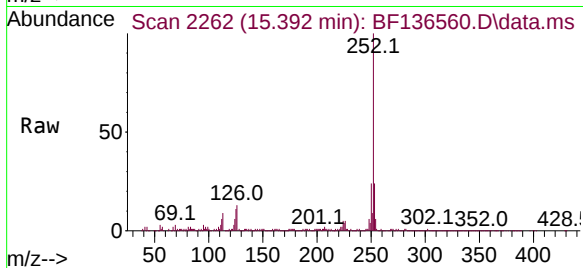
Tgt Ion:252 Resp: 185176

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

125 10.7 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 3.281 ng

RT: 17.151 min Scan# 2561

Delta R.T. 0.171 min

Lab File: BF136560.D

Acq: 14 Dec 2023 03:06

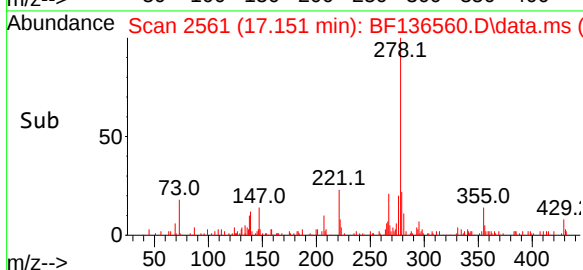
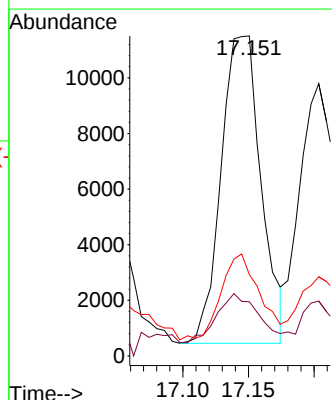
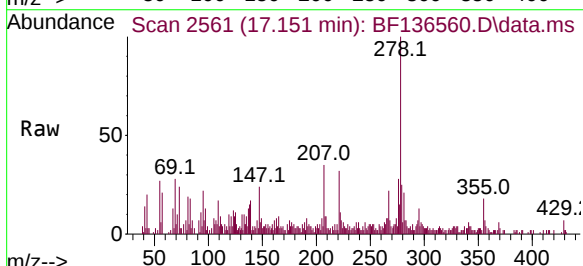
Tgt Ion:278 Resp: 23433

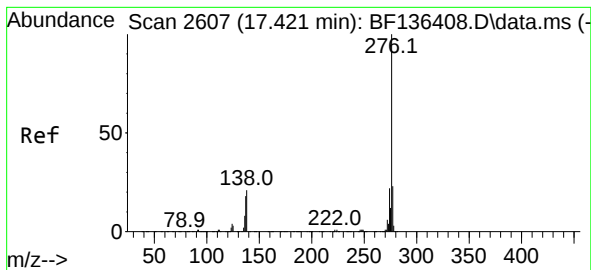
Ion Ratio Lower Upper

278 100

139 17.0 12.2 18.4

279 25.5 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 13.435 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136560.D

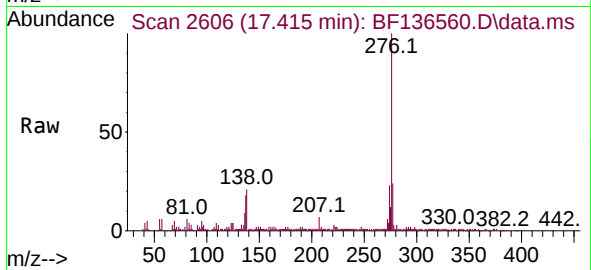
Acq: 14 Dec 2023 03:06

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 98486

Ion Ratio Lower Upper

276 100

277 24.5 18.7 28.1

138 20.8 16.6 25.0

