

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135615.D
 Acq On : 05 Oct 2023 23:25
 Operator : CG\JU
 Sample : 04637-01DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

Quant Time: Oct 06 03:49:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

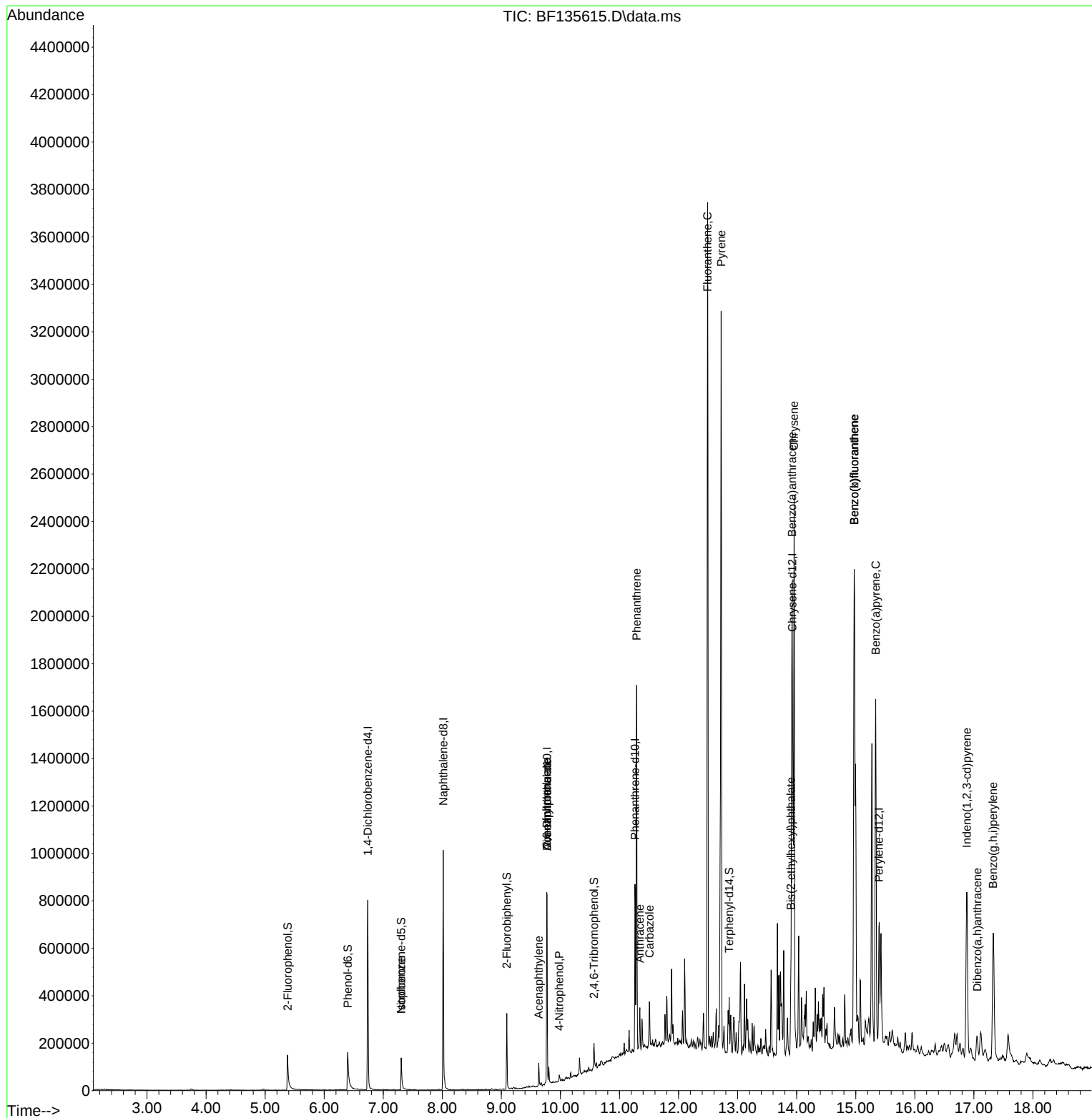
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	124339	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	412411	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	171100	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	255682	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	217077	20.000	ng	0.00
86) Perylene-d12	15.392	264	233632	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	69264	9.060	ng	0.01
7) Phenol-d6	6.398	99	87552	9.007	ng	0.01
23) Nitrobenzene-d5	7.304	82	51926	6.841	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	11597	6.820	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	89937	7.930	ng	0.00
79) Terphenyl-d14	12.857	244	69847	4.988	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.304	82	51926	3.725	ng	# 65
49) Acenaphthylene	9.633	152	35319	2.228	ng	98
50) Dimethylphthalate	9.775	163	34311	2.966	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	21713	8.568	ng	# 17
56) 4-Nitrophenol	9.980	139	4392	2.323	ng	# 24
71) Phenanthrene	11.292	178	586649	48.513	ng	99
72) Anthracene	11.345	178	72392	5.824	ng	99
73) Carbazole	11.510	167	82640	7.303	ng	100
75) Fluoranthene	12.492	202	1607592	127.582	ng	98
78) Pyrene	12.721	202	1393570	67.428	ng	100
81) Benzo(a)anthracene	13.921	228	771034	55.006	ng	96
83) Chrysene	13.957	228	944934	67.803	ng	99
84) Bis(2-ethylhexyl)phtha...	13.904	149	34376	4.604	ng	99
87) Indeno(1,2,3-cd)pyrene	16.880	276	467080	30.491	ng	98
88) Benzo(b)fluoranthene	14.974	252	1643006	129.909	ng	# 95
89) Benzo(k)fluoranthene	14.974	252	1643006	131.511	ng	# 96
90) Benzo(a)pyrene	15.339	252	717674	59.504	ng	100
91) Dibenzo(a,h)anthracene	17.056	278	57366	4.577	ng	96
92) Benzo(g,h,i)perylene	17.327	276	452878	34.597	ng	96

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

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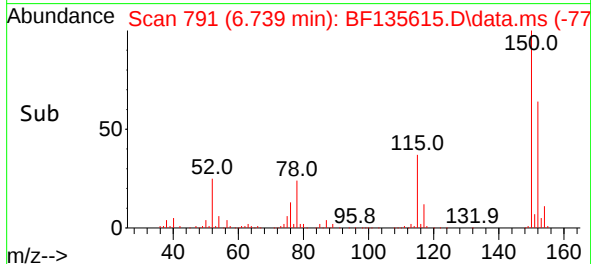
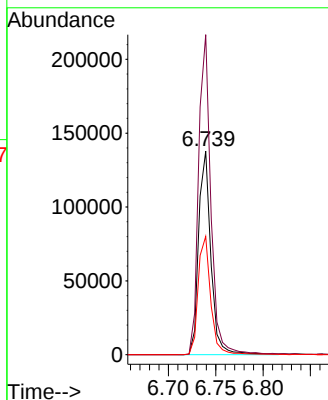
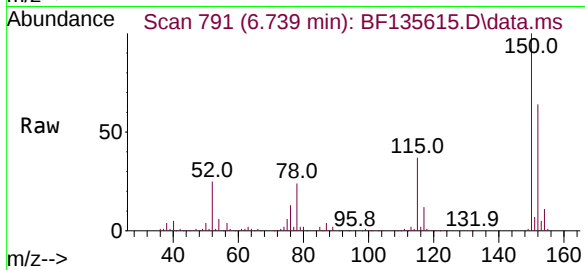




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF135615.D
 Acq: 05 Oct 2023 23:25

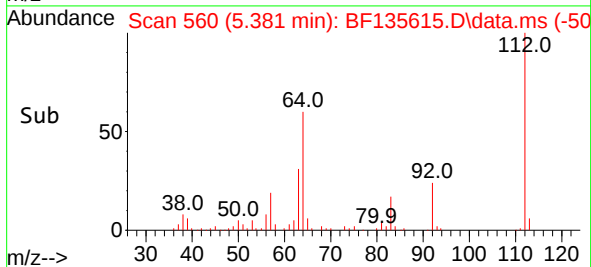
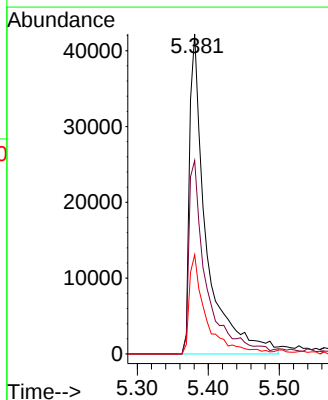
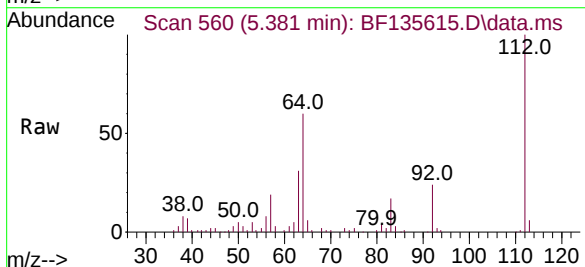
Instrument :
 BNA_F
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 WC-1DL

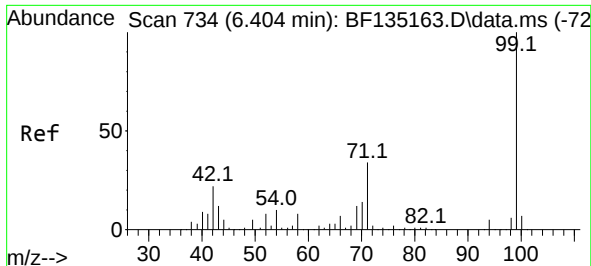
Tgt Ion:152 Resp: 124339
 Ion Ratio Lower Upper
 152 100
 150 157.3 127.8 191.6
 115 58.1 49.8 74.8



#5
 2-Fluorophenol
 Concen: 9.060 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.012 min
 Lab File: BF135615.D
 Acq: 05 Oct 2023 23:25

Tgt Ion:112 Resp: 69264
 Ion Ratio Lower Upper
 112 100
 64 60.4 55.9 83.9
 63 31.0 29.0 43.6

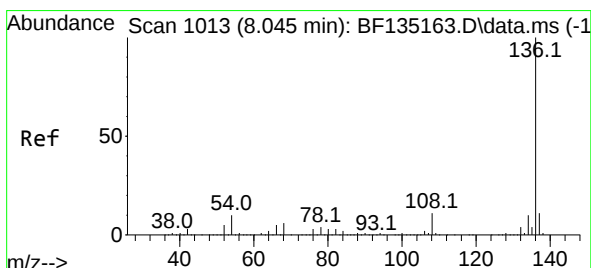
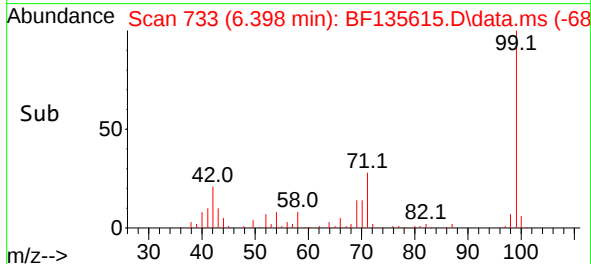
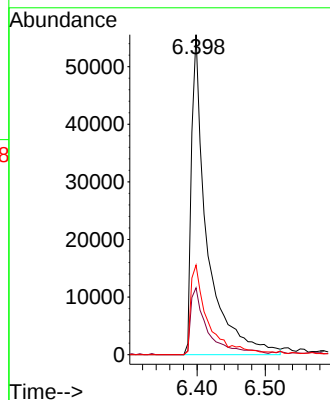
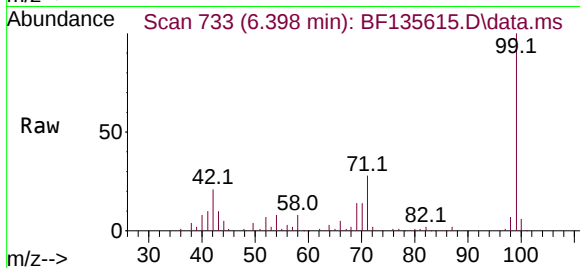




#7
Phenol-d6
Concen: 9.007 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

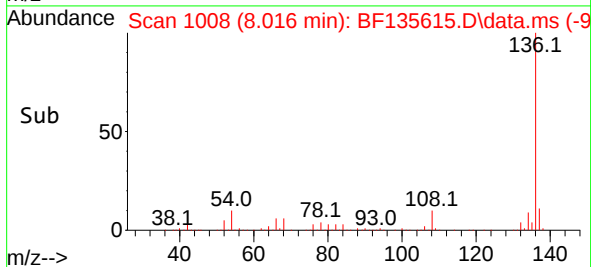
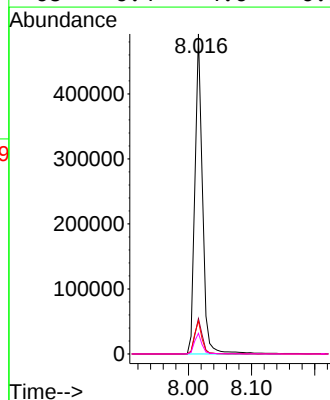
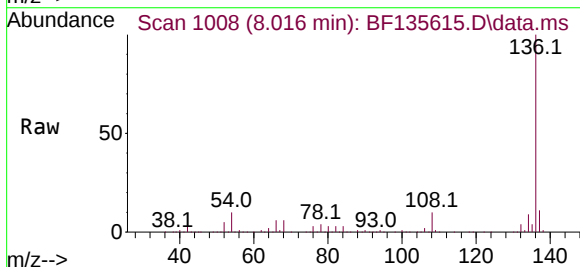
Instrument :
BNA_F
ClientSampleId :
WC-1DL

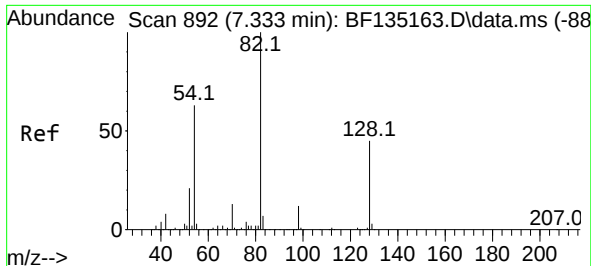
Tgt Ion: 99 Resp: 87552
Ion Ratio Lower Upper
99 100
42 20.9 17.9 26.9
71 28.0 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

Tgt Ion: 136 Resp: 412411
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.3 7.7 11.5
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 6.841 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

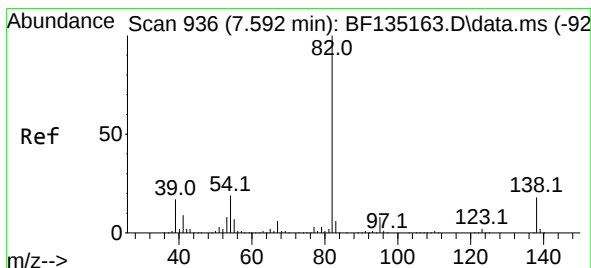
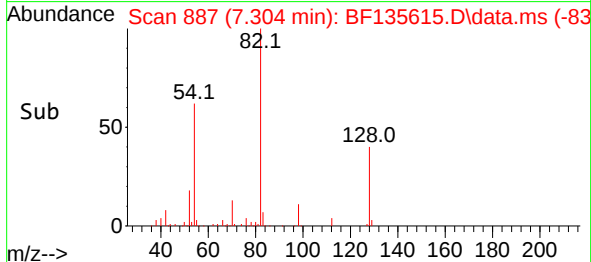
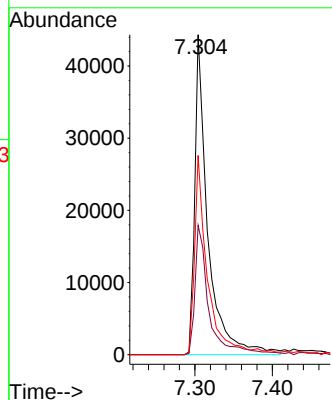
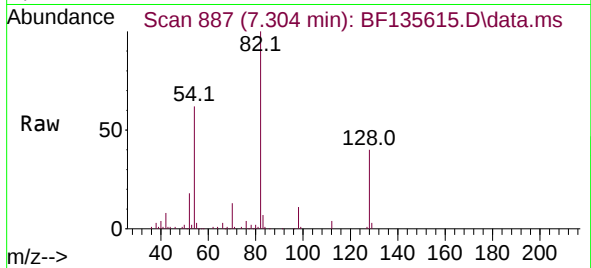
Tgt Ion: 82 Resp: 51926

Ion Ratio Lower Upper

82 100

128 40.4 35.8 53.6

54 62.2 50.6 76.0



#25

Isophorone

Concen: 3.725 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

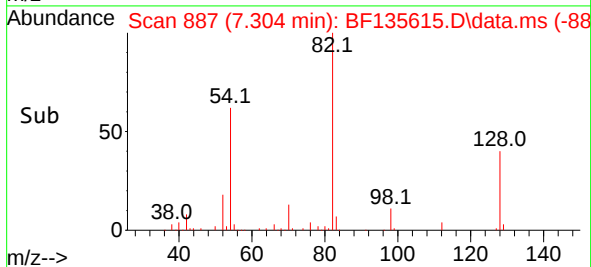
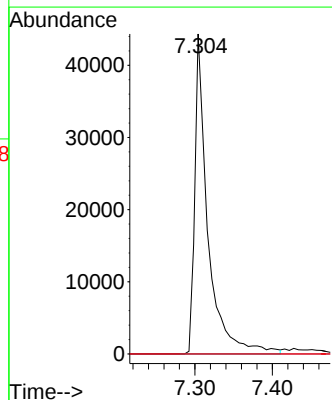
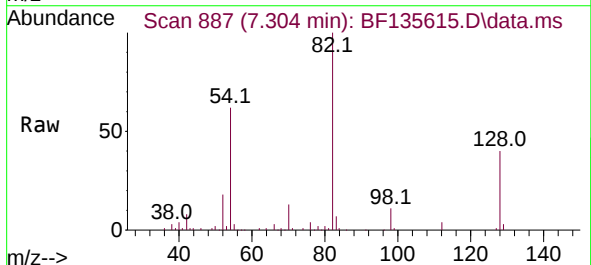
Tgt Ion: 82 Resp: 51926

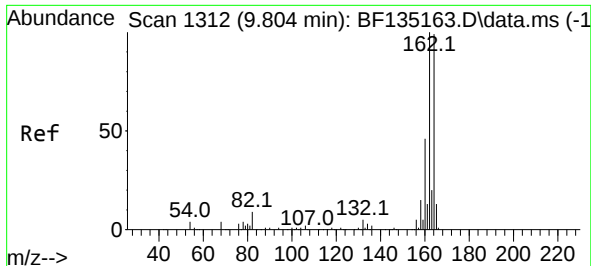
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

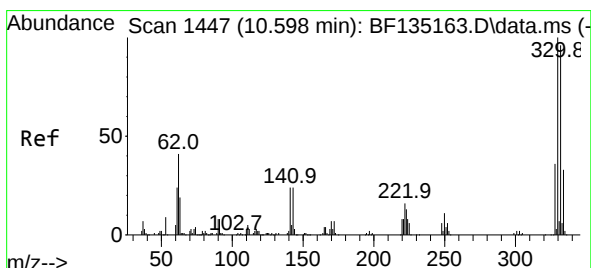
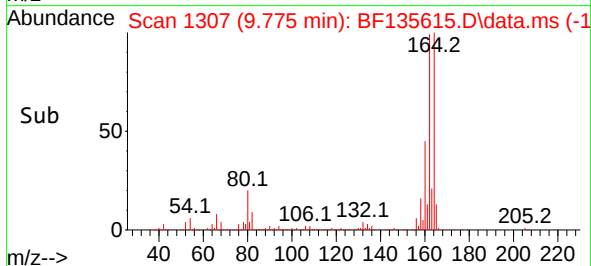
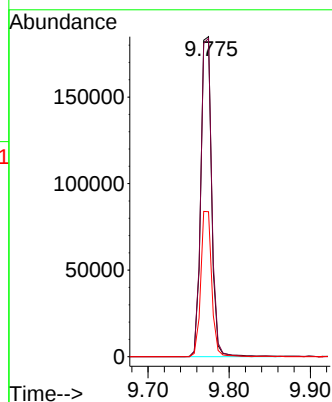
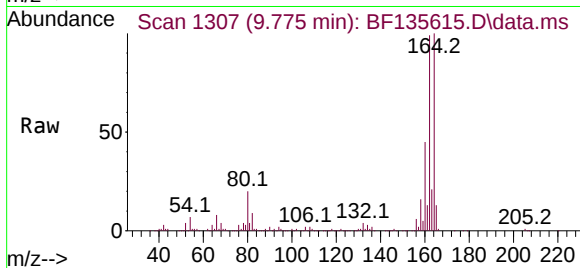
Tgt Ion:164 Resp: 171100

Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.4

160 45.3 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 6.820 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

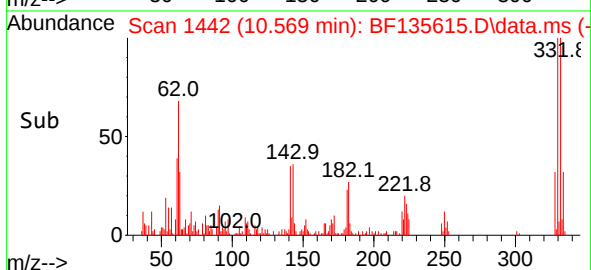
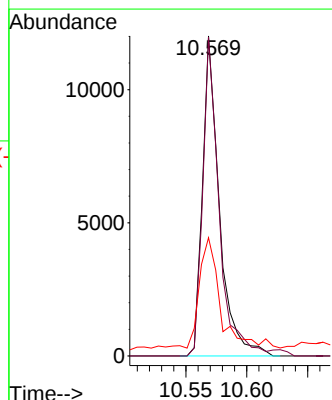
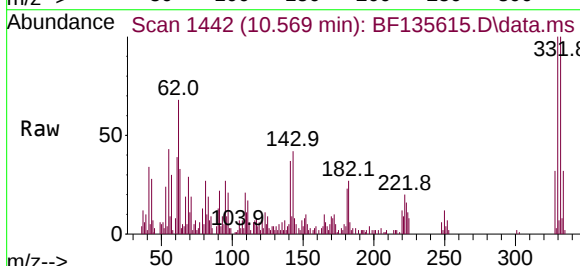
Tgt Ion:330 Resp: 11597

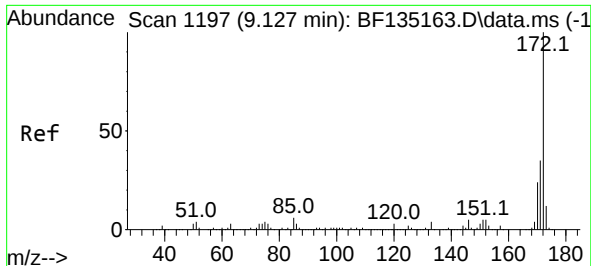
Ion Ratio Lower Upper

330 100

332 98.3 77.3 115.9

141 47.8 25.8 38.8#

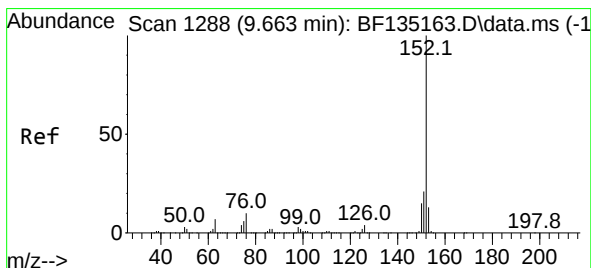
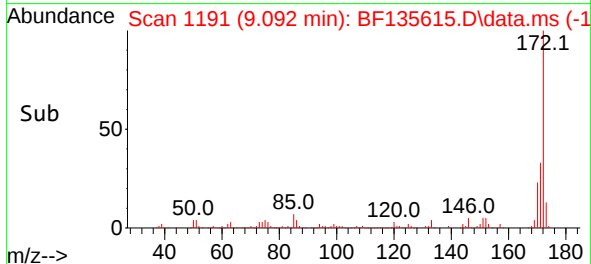
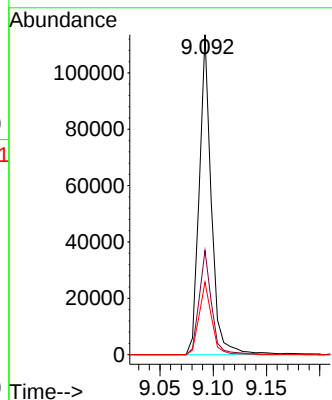
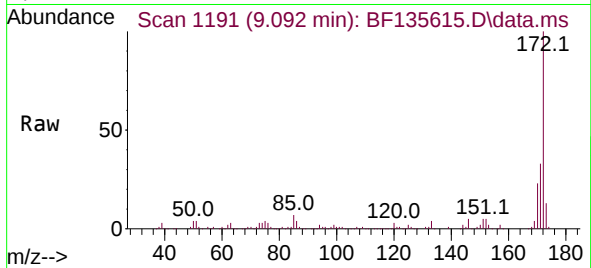




#45
2-Fluorobiphenyl
Concen: 7.930 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

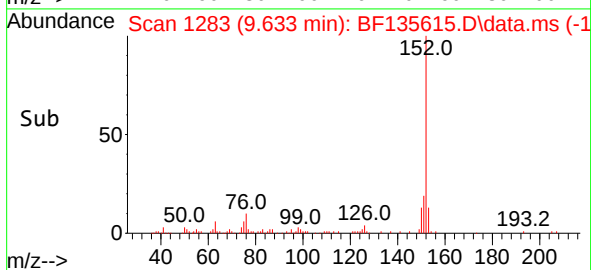
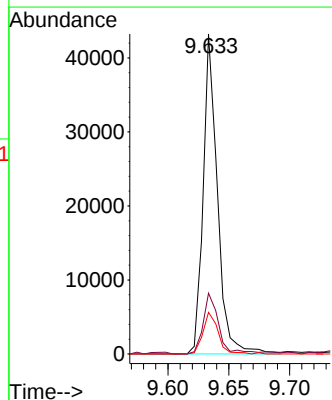
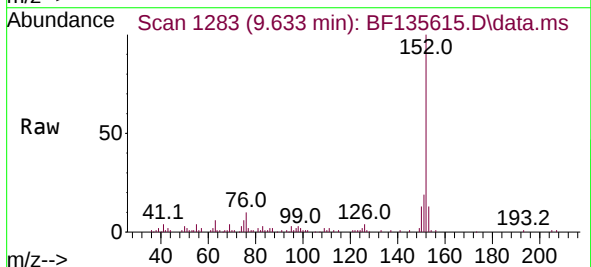
Instrument :
BNA_F
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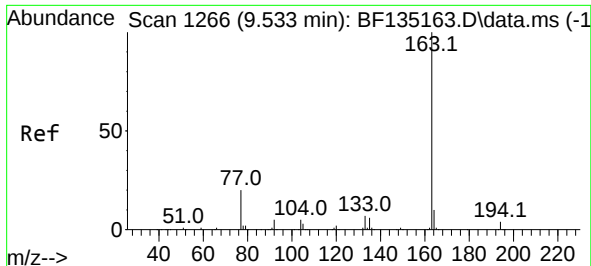
Tgt Ion:172 Resp: 89937
Ion Ratio Lower Upper
172 100
171 32.6 28.4 42.6
170 22.7 19.0 28.4



#49
Acenaphthylene
Concen: 2.228 ng
RT: 9.633 min Scan# 1283
Delta R.T. -0.006 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

Tgt Ion:152 Resp: 35319
Ion Ratio Lower Upper
152 100
151 19.0 16.4 24.6
153 13.0 10.4 15.6

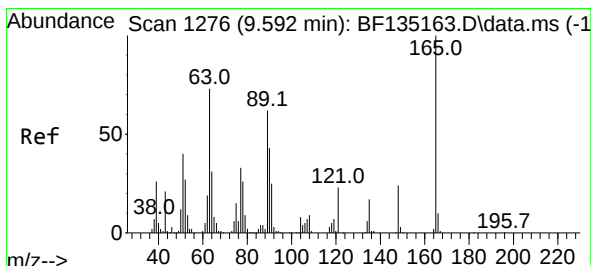
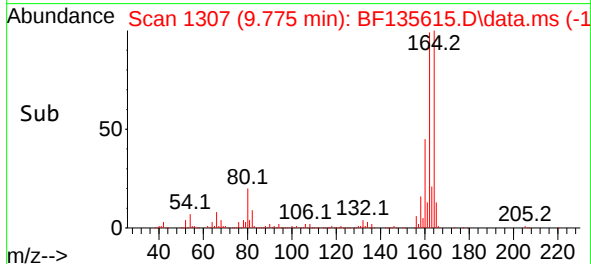
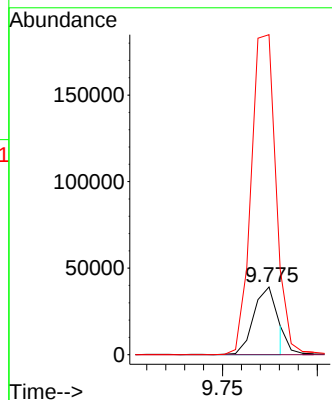
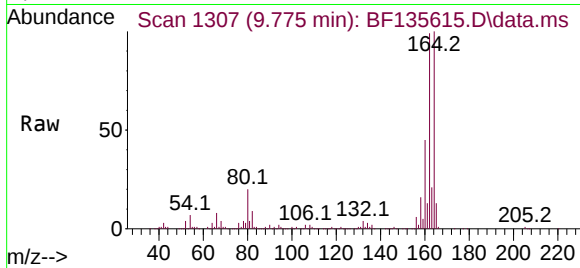




#50
Dimethylphthalate
Concen: 2.966 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

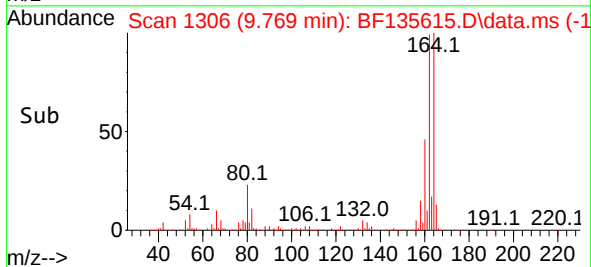
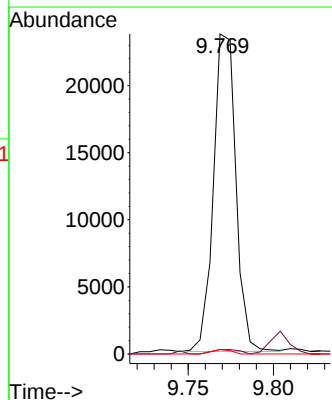
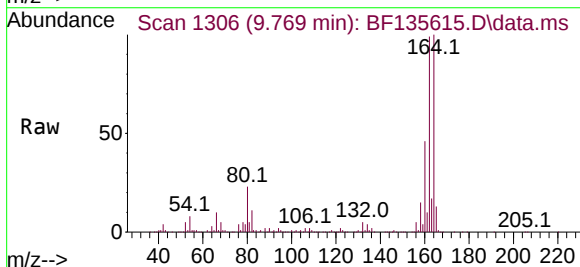
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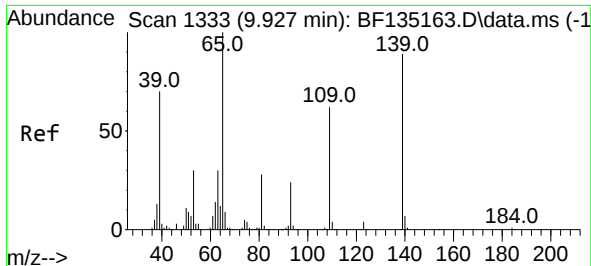
Tgt Ion:163 Resp: 34311
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 472.3 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.568 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.194 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

Tgt Ion:165 Resp: 21713
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.4 49.8 74.8#

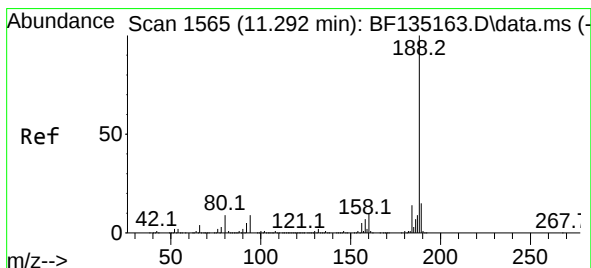
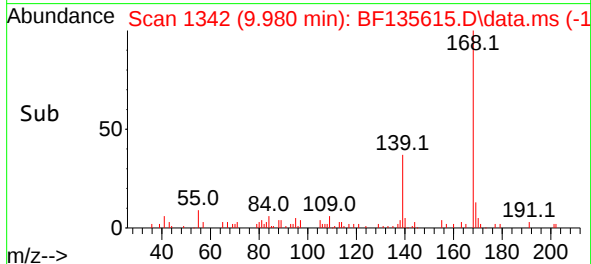
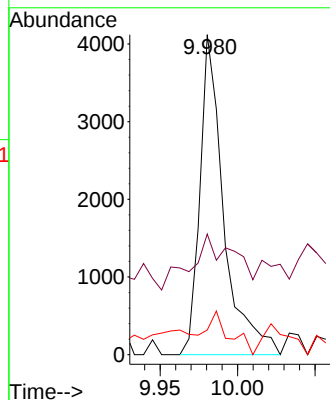
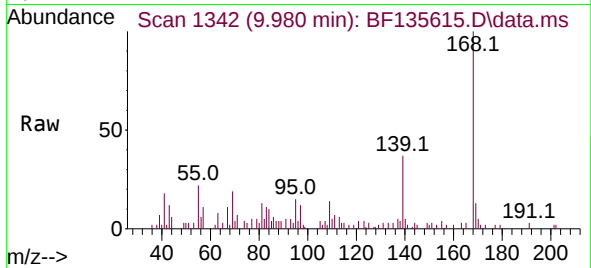




#56
4-Nitrophenol
Concen: 2.323 ng
RT: 9.980 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

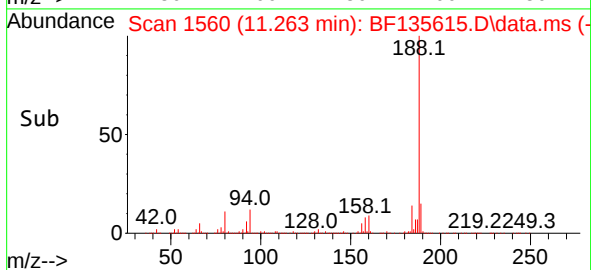
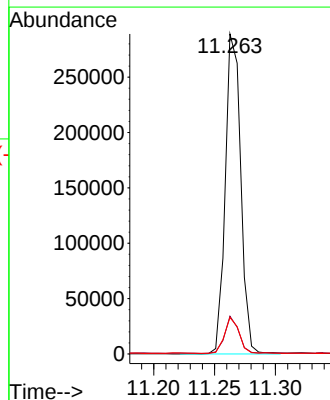
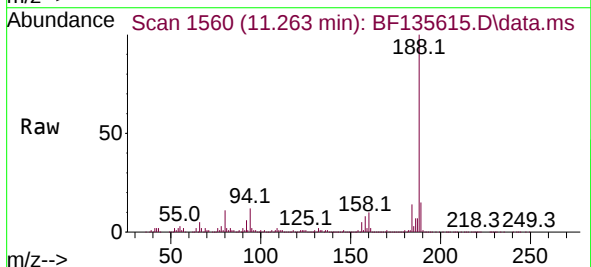
Instrument :
BNA_F
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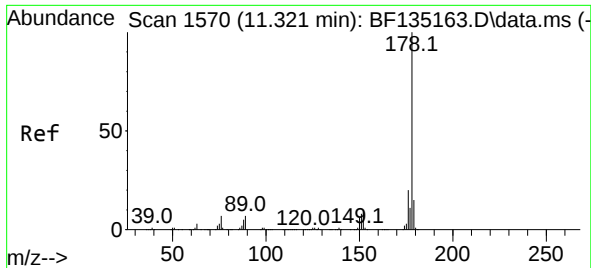
Tgt Ion:139 Resp: 4392
Ion Ratio Lower Upper
139 100
109 37.7 49.8 89.8#
65 7.7 92.7 132.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

Tgt Ion:188 Resp: 255682
Ion Ratio Lower Upper
188 100
94 11.8 7.0 10.6#
80 11.4 7.5 11.3#

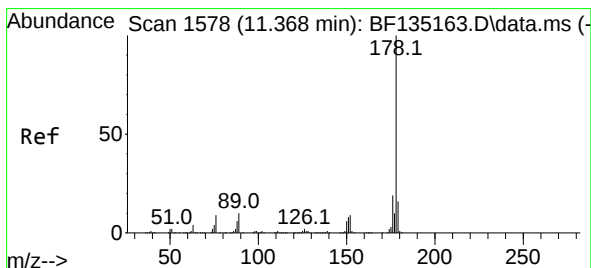
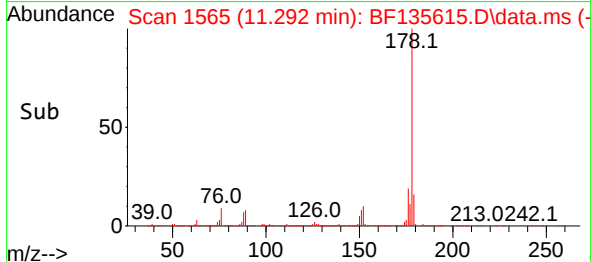
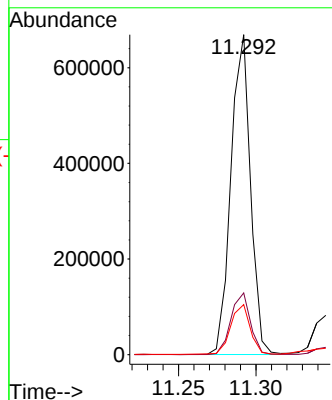
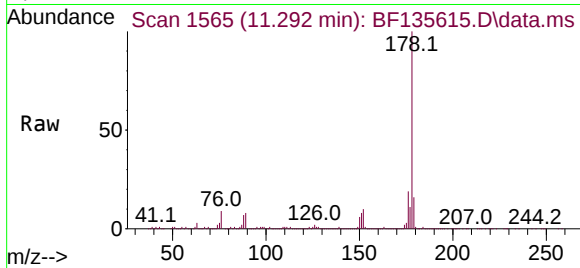




#71
Phenanthrene
Concen: 48.513 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

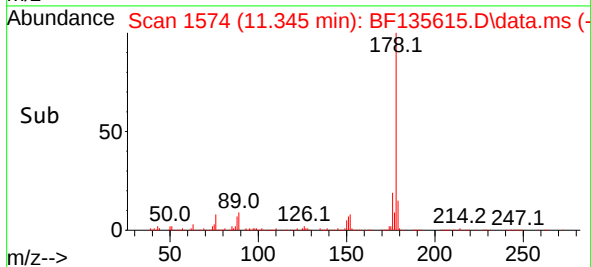
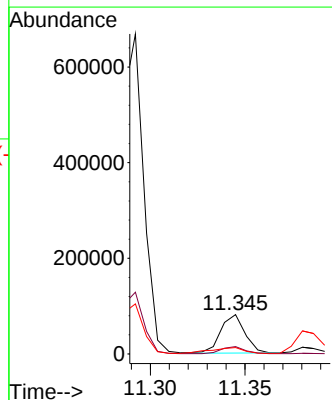
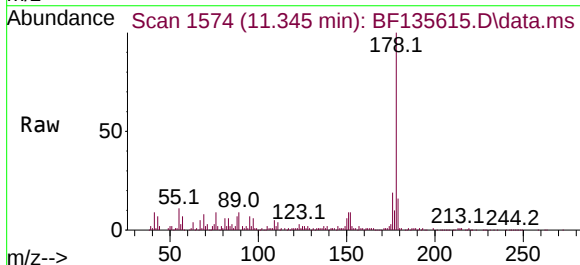
Instrument :
BNA_F
ClientSampleId :
WC-1DL

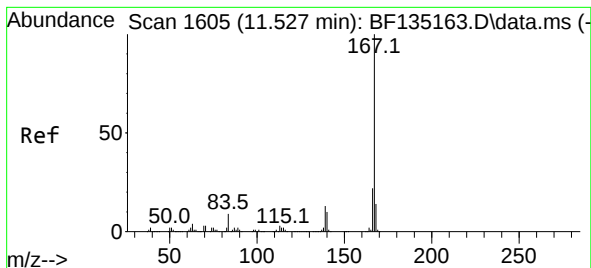
Tgt Ion:178 Resp: 586649
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.7 12.0 18.0



#72
Anthracene
Concen: 5.824 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

Tgt Ion:178 Resp: 72392
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.1 12.6 19.0





#73

Carbazole

Concen: 7.303 ng

RT: 11.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

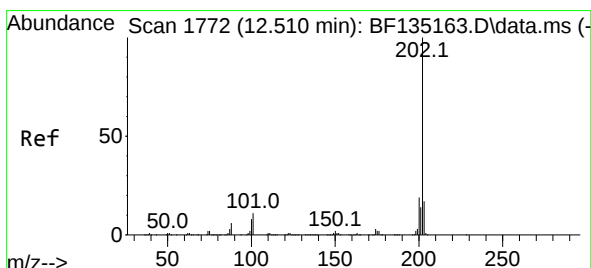
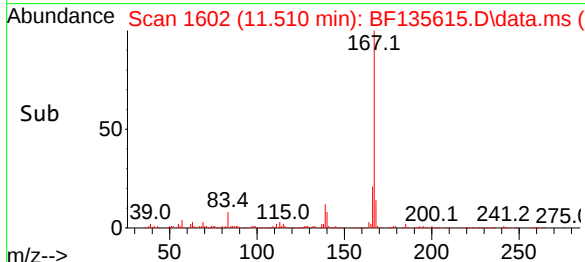
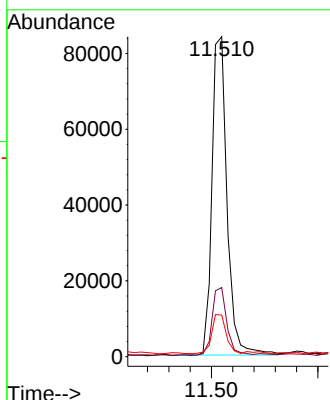
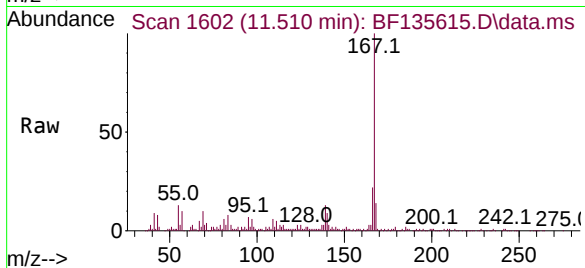
Tgt Ion:167 Resp: 82640

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.0

139 13.0 10.6 15.8



#75

Fluoranthene

Concen: 127.582 ng

RT: 12.492 min Scan# 1769

Delta R.T. 0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

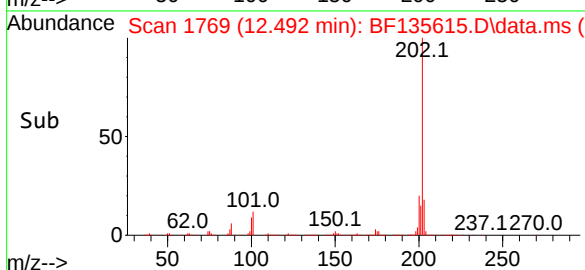
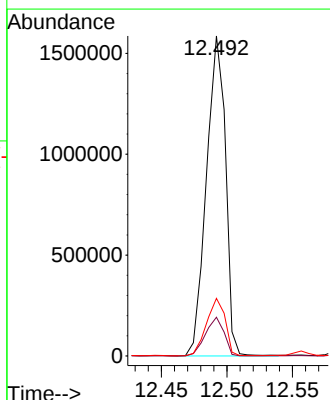
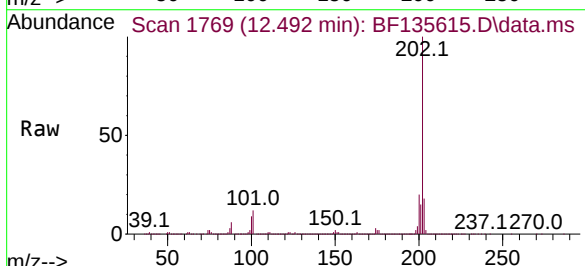
Tgt Ion:202 Resp: 1607592

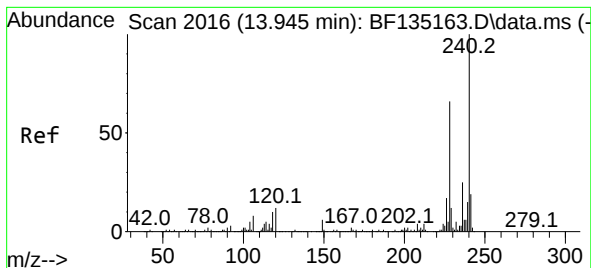
Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.3

203 18.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

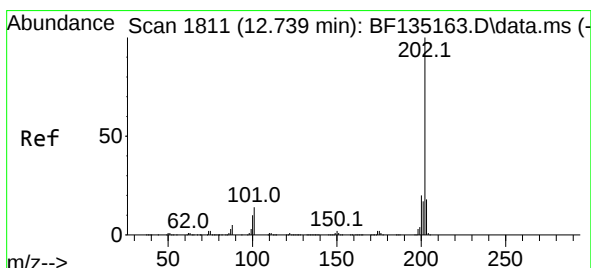
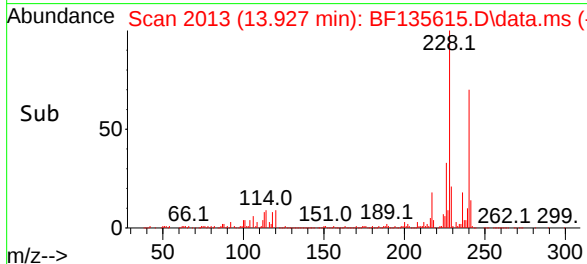
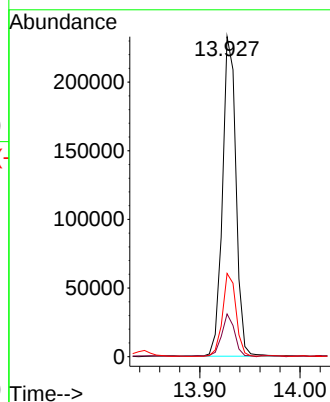
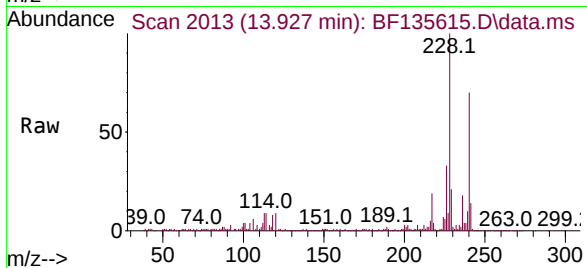
Tgt Ion:240 Resp: 217077

Ion Ratio Lower Upper

240 100

120 13.4 9.4 14.2

236 26.0 19.8 29.8



#78

Pyrene

Concen: 67.428 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

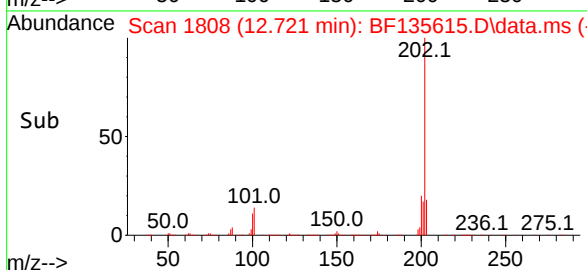
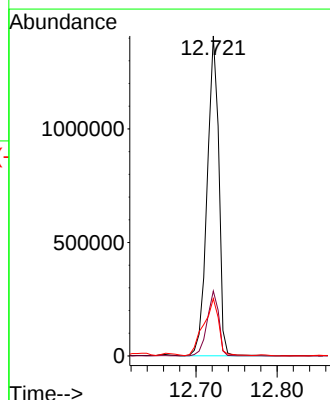
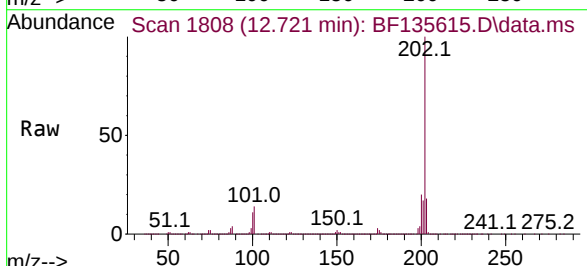
Tgt Ion:202 Resp: 1393570

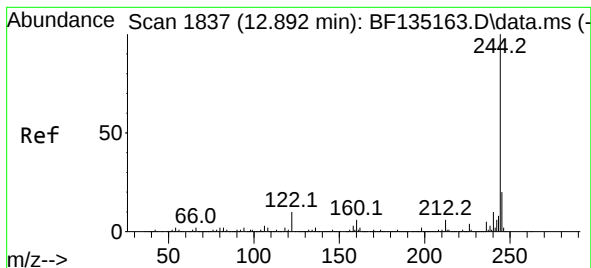
Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 4.988 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

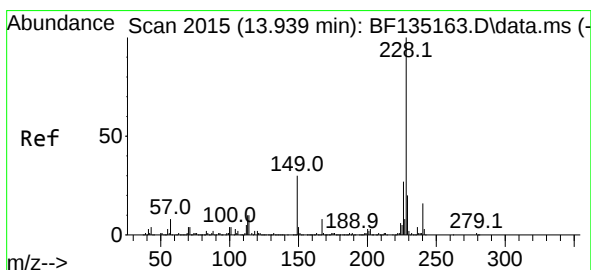
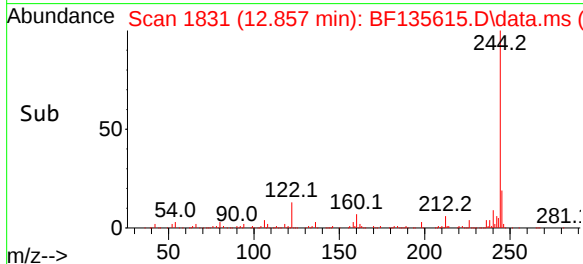
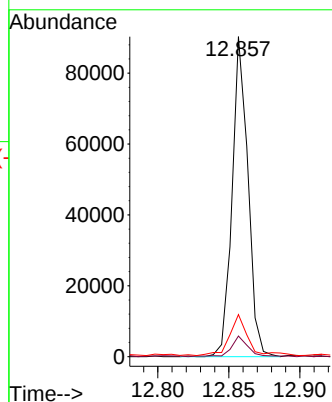
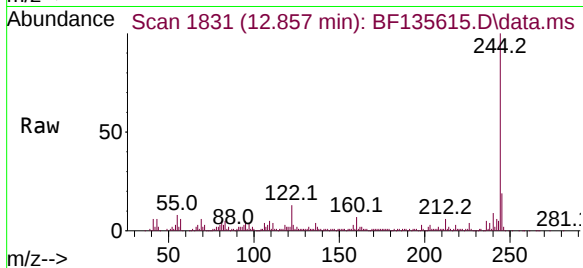
Tgt Ion:244 Resp: 69847

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 13.2 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 55.006 ng

RT: 13.921 min Scan# 2012

Delta R.T. 0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

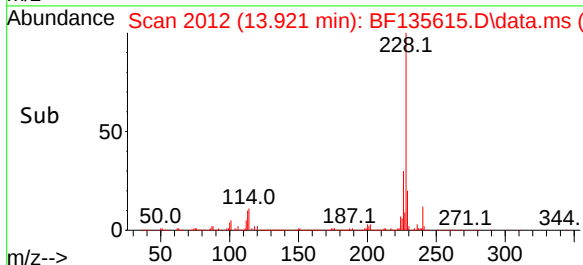
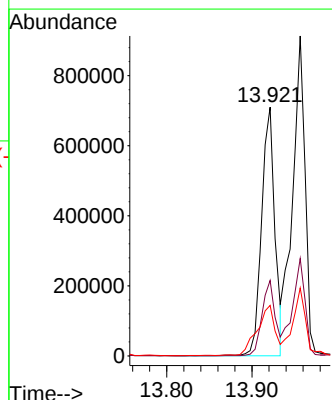
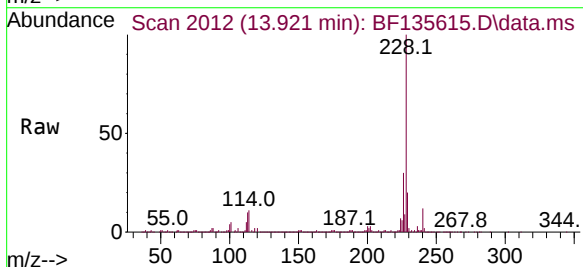
Tgt Ion:228 Resp: 771034

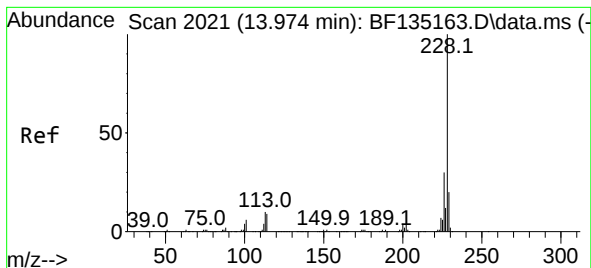
Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

229 20.3 15.8 23.8





#83

Chrysene

Concen: 67.803 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

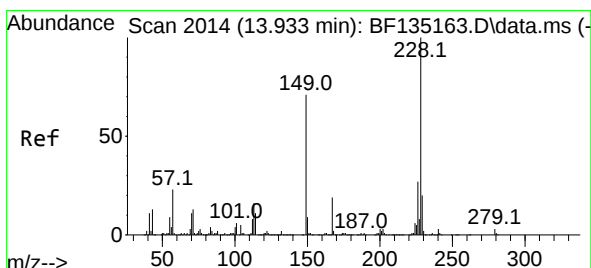
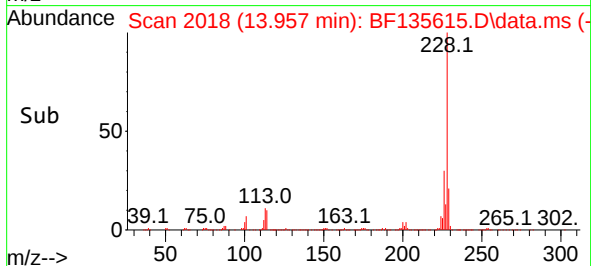
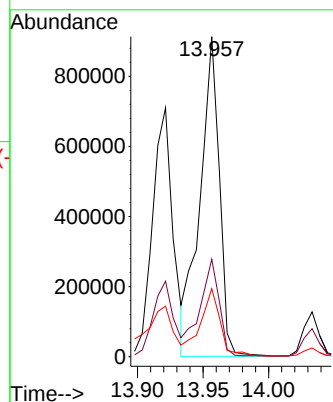
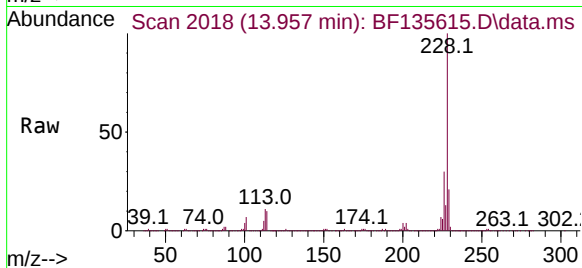
Tgt Ion:228 Resp: 944934

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

229 21.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.604 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

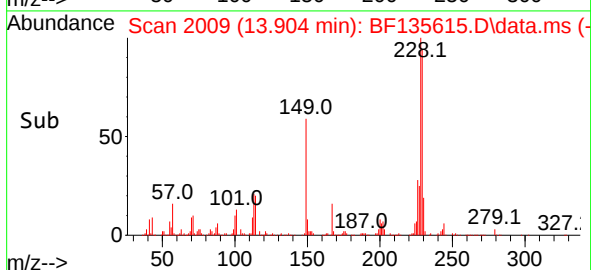
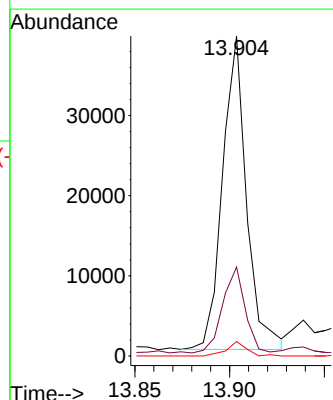
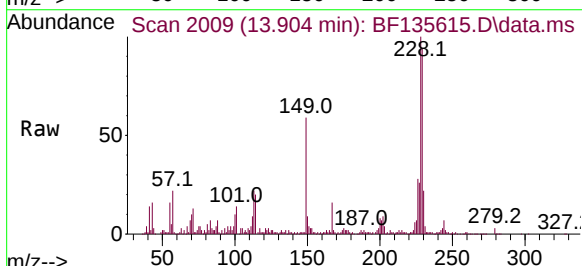
Tgt Ion:149 Resp: 34376

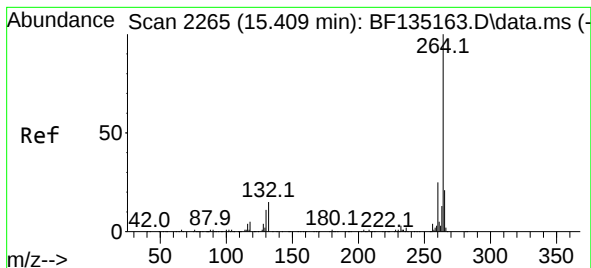
Ion Ratio Lower Upper

149 100

167 27.8 21.9 32.9

279 4.5 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

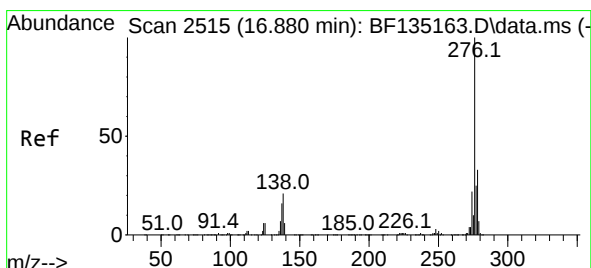
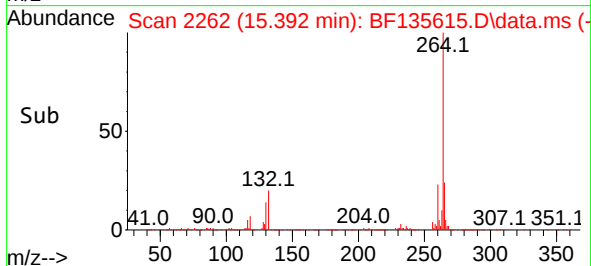
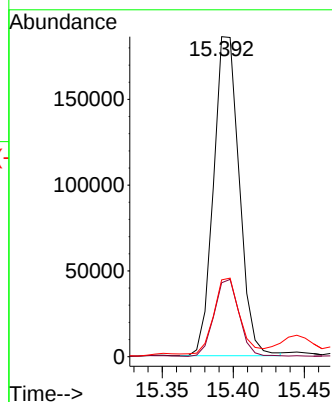
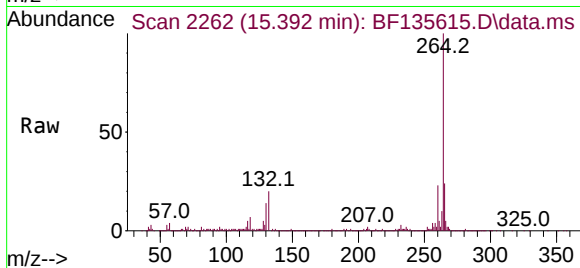
Tgt Ion:264 Resp: 233632

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 24.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 30.491 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.012 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

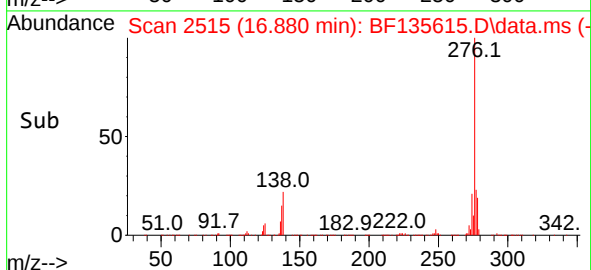
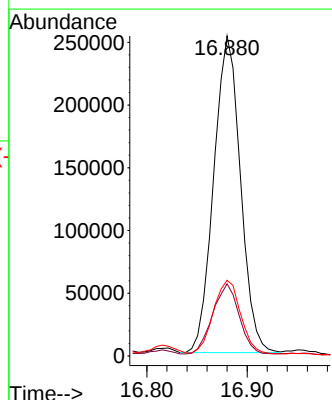
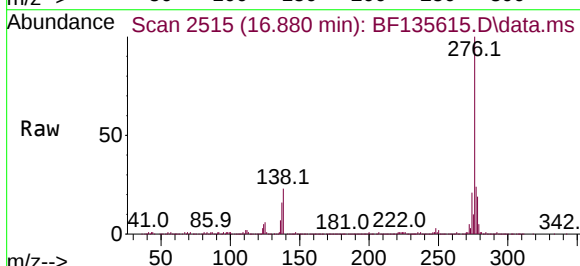
Tgt Ion:276 Resp: 467080

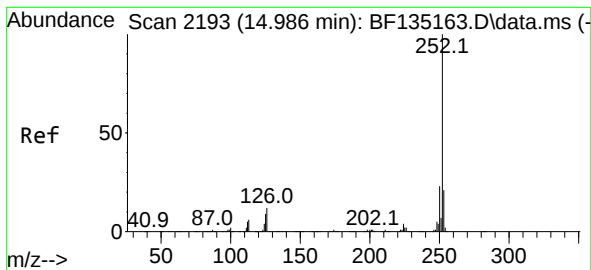
Ion Ratio Lower Upper

276 100

138 22.8 19.2 28.8

277 23.7 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 129.909 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1DL

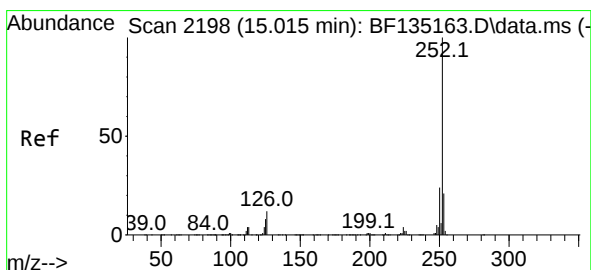
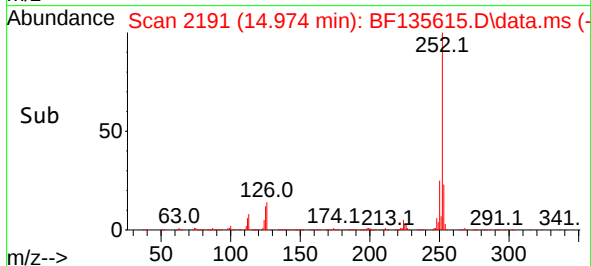
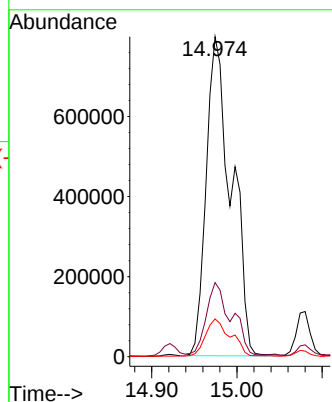
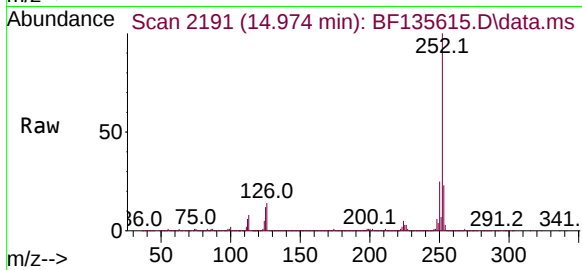
Tgt Ion:252 Resp: 1643006

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 11.8 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 131.511 ng

RT: 14.974 min Scan# 2191

Delta R.T. -0.018 min

Lab File: BF135615.D

Acq: 05 Oct 2023 23:25

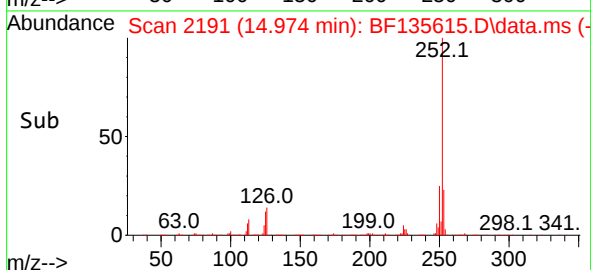
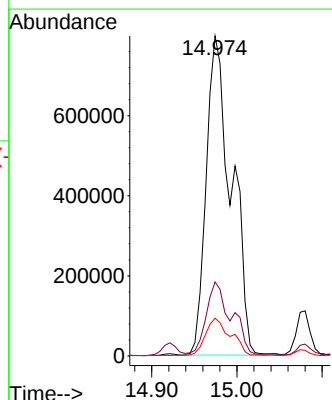
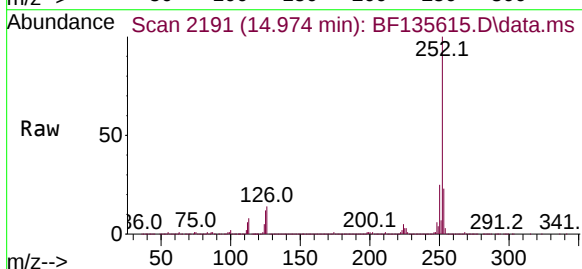
Tgt Ion:252 Resp: 1643006

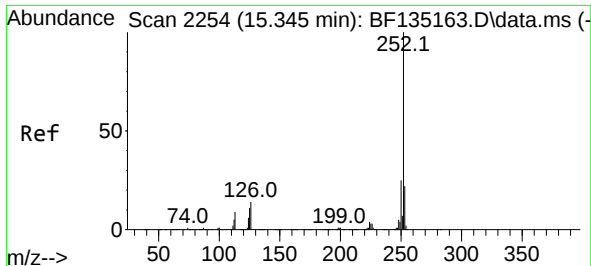
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.8 7.2 10.8#

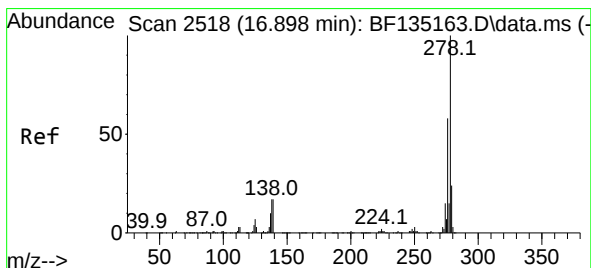
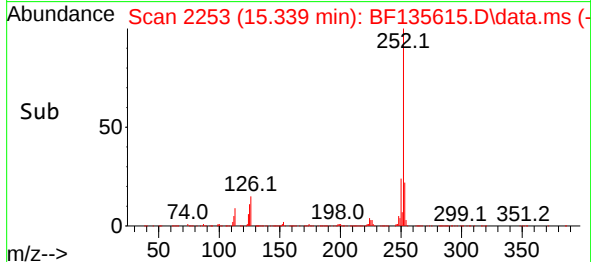
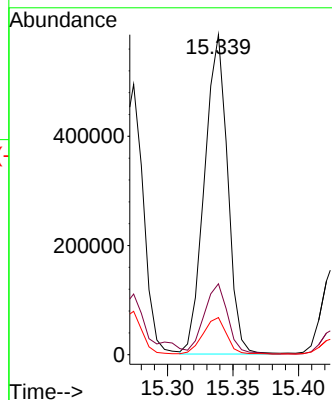
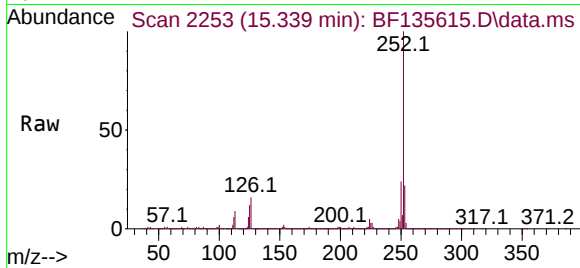




#90
Benzo(a)pyrene
Concen: 59.504 ng
RT: 15.339 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

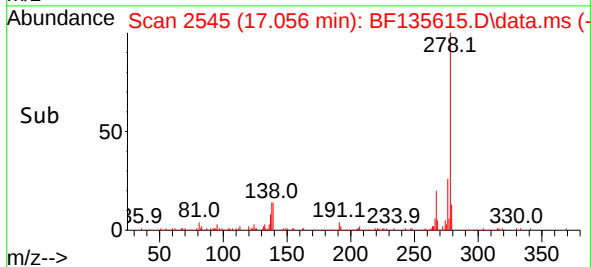
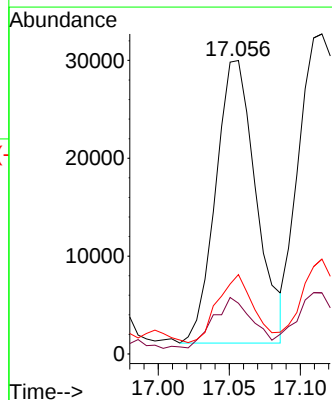
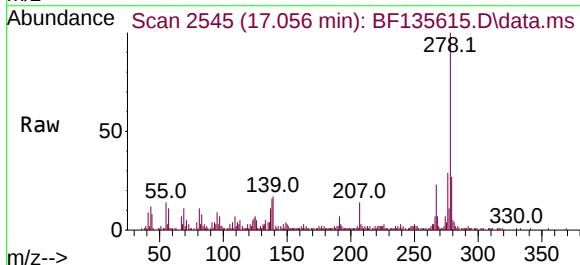
Instrument :
BNA_F
ClientSampleId :
WC-1DL

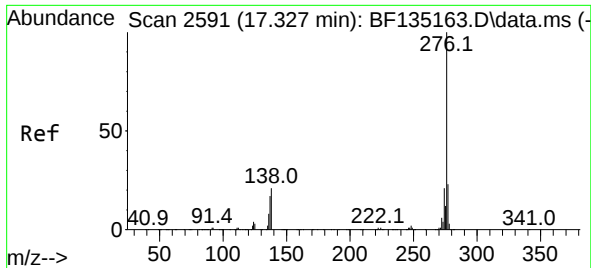
Tgt Ion:252 Resp: 717674
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.6 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 4.577 ng
RT: 17.056 min Scan# 2545
Delta R.T. 0.177 min
Lab File: BF135615.D
Acq: 05 Oct 2023 23:25

Tgt Ion:278 Resp: 57366
Ion Ratio Lower Upper
278 100
139 17.3 13.4 20.0
279 27.0 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 34.597 ng
 RT: 17.327 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF135615.D
 Acq: 05 Oct 2023 23:25

Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

Tgt Ion:276 Resp: 452878
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.8 28.2
 138 24.0 16.9 25.3

