

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135030.D
 Acq On : 31 Aug 2023 05:02
 Operator : CG\JU
 Sample : 04188-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Aug 31 06:02:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

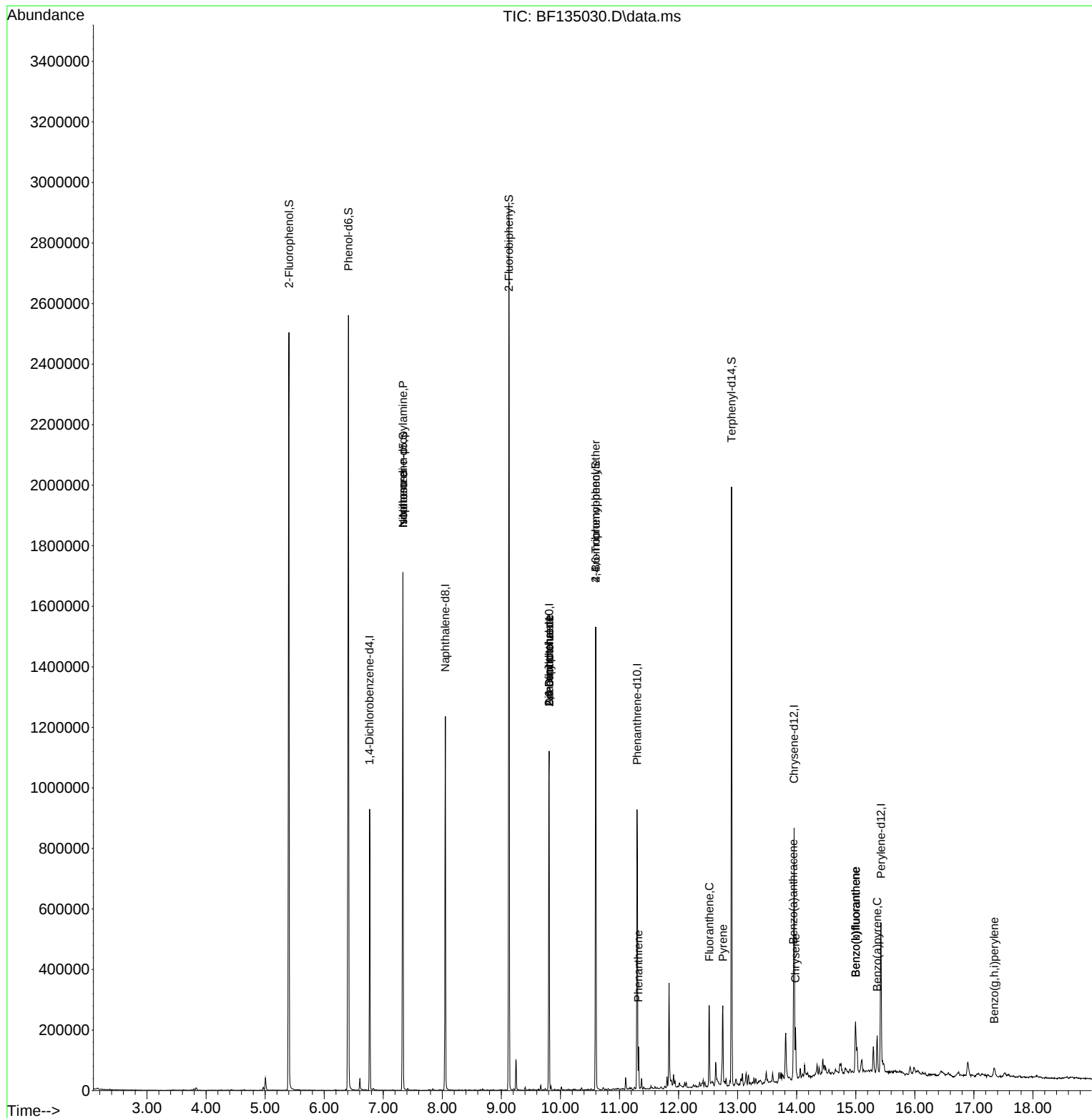
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	126103	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	503604	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	227561	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	326515	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	236583	20.000	ng	0.00
86) Perylene-d12	15.427	264	224079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	680282	83.327	ng	0.00
7) Phenol-d6	6.410	99	840089	82.556	ng	0.00
23) Nitrobenzene-d5	7.334	82	503848	56.208	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	167767	69.499	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	882044	63.107	ng	-0.01
79) Terphenyl-d14	12.898	244	636313	43.892	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	66711	11.037	ng	# 78
25) Isophorone	7.334	82	503843	29.646	ng	# 65
50) Dimethylphthalate	9.810	163	47592	2.987	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	29350	8.395	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	29350	6.736	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	10127	2.924	ng	# 1
69) Atrazine	11.104	200	716	Below Cal		# 37
71) Phenanthrene	11.322	178	46776	2.777	ng	99
75) Fluoranthene	12.522	202	112254	6.591	ng	98
78) Pyrene	12.751	202	106752	4.752	ng	99
81) Benzo(a)anthracene	13.945	228	69664	4.317	ng	96
83) Chrysene	13.980	228	63787	4.022	ng	98
88) Benzo(b)fluoranthene	14.998	252	118429	8.494	ng	98
89) Benzo(k)fluoranthene	14.998	252	118429	8.792	ng	99
90) Benzo(a)pyrene	15.363	252	53654	4.142	ng	99
92) Benzo(g,h,i)perylene	17.345	276	25995	2.045	ng	97

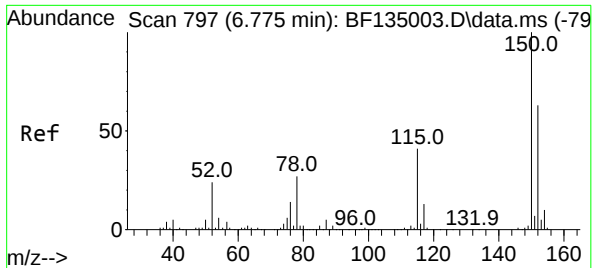
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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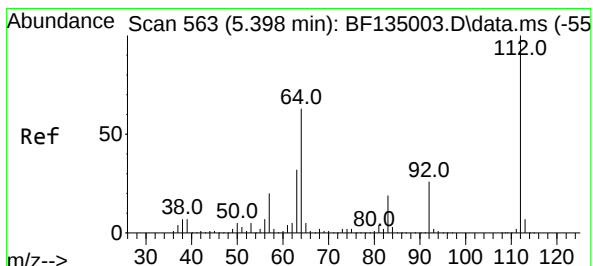
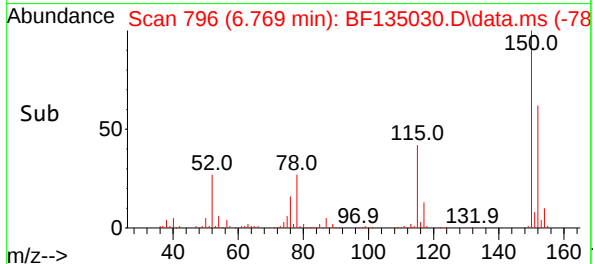
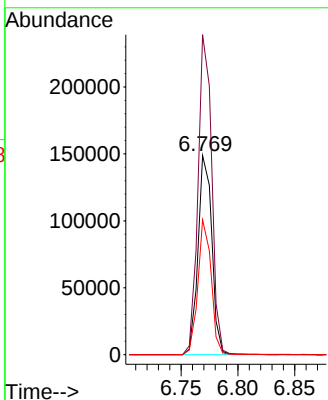
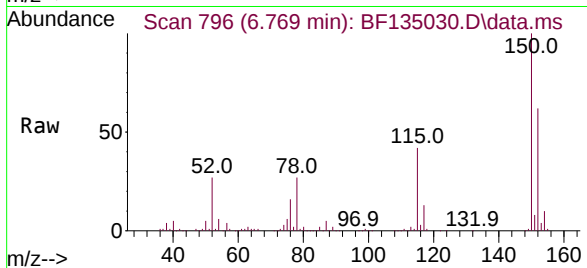




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

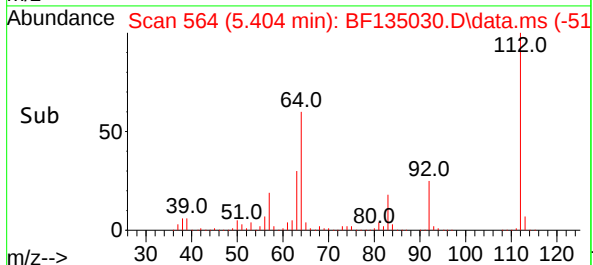
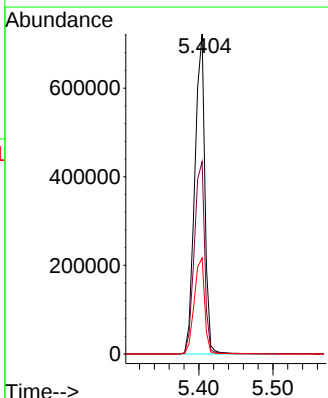
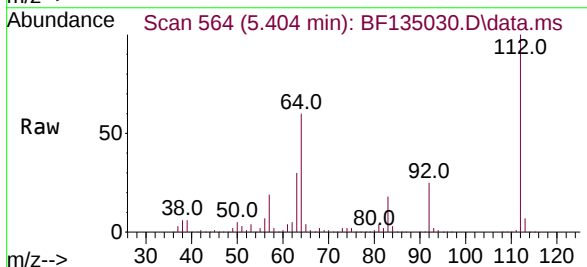
Instrument :
BNA_F
ClientSampleId :
WC-4

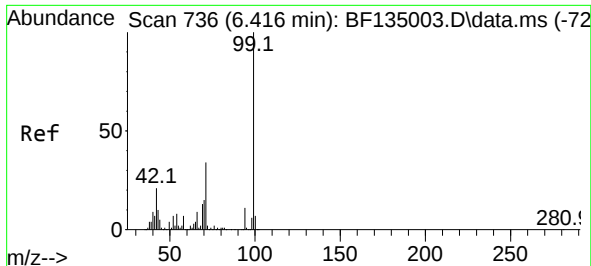
Tgt Ion:152 Resp: 126103
Ion Ratio Lower Upper
152 100
150 160.7 126.2 189.4
115 67.8 51.2 76.8



#5
2-Fluorophenol
Concen: 83.327 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:112 Resp: 680282
Ion Ratio Lower Upper
112 100
64 60.1 50.5 75.7
63 30.0 25.9 38.9





#7
Phenol-d6
Concen: 82.556 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

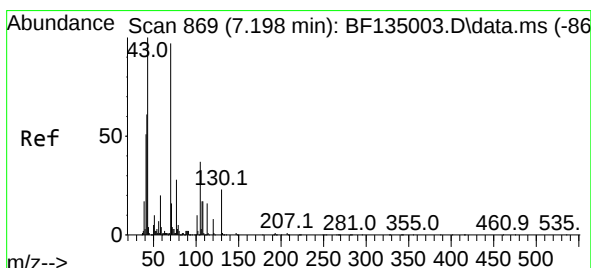
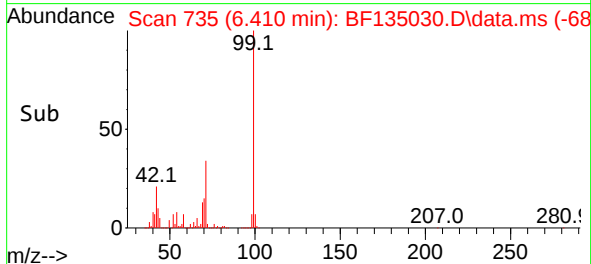
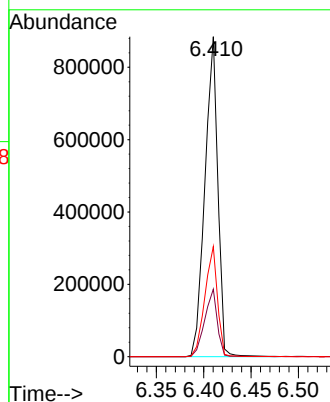
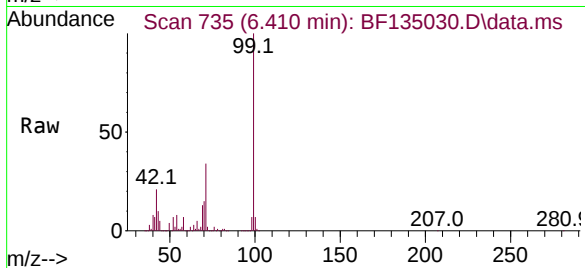
Instrument :

BNA_F

ClientSampleId :

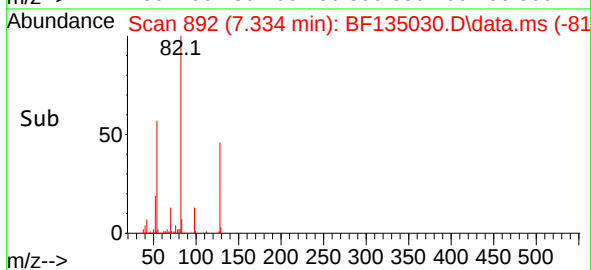
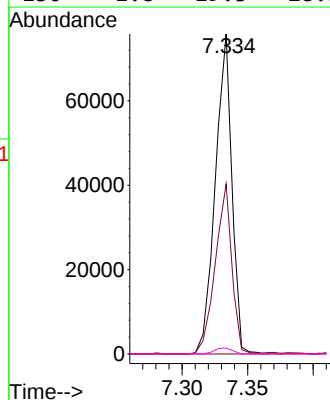
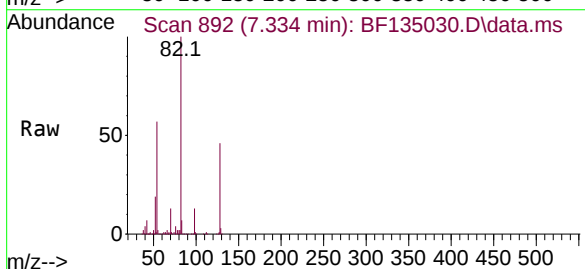
WC-4

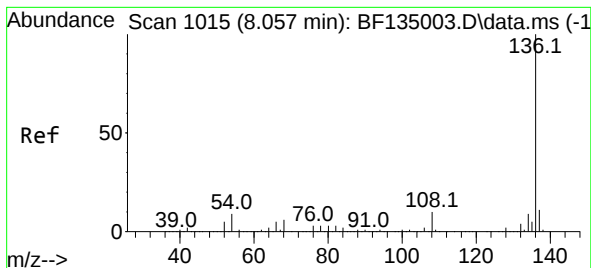
Tgt Ion: 99 Resp: 840089
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 34.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.037 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion: 70 Resp: 66711
Ion Ratio Lower Upper
70 100
42 53.1 50.2 75.4
101 0.0 8.1 12.1#
130 1.8 19.3 28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion:136 Resp: 503604

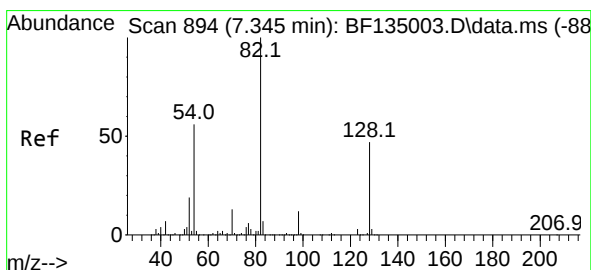
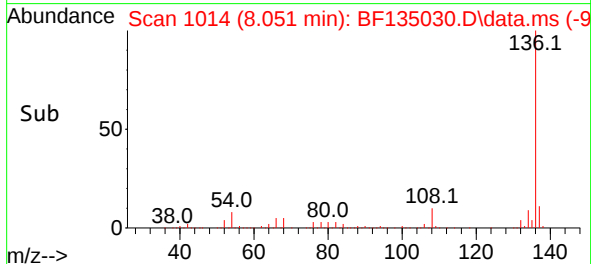
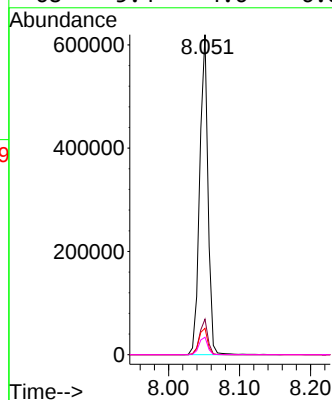
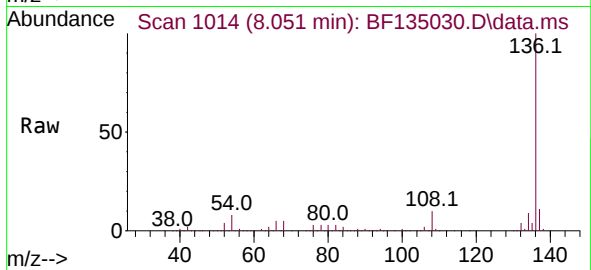
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.2 7.0 10.4

68 5.4 4.6 6.8



#23

Nitrobenzene-d5

Concen: 56.208 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

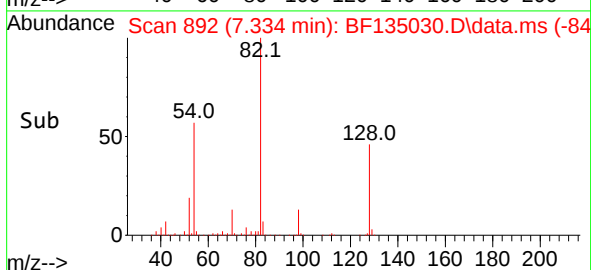
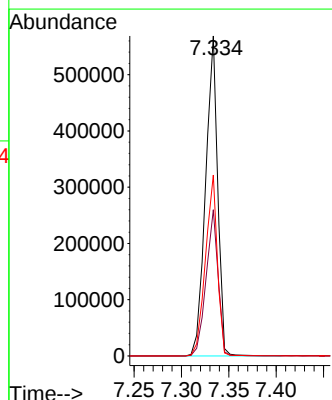
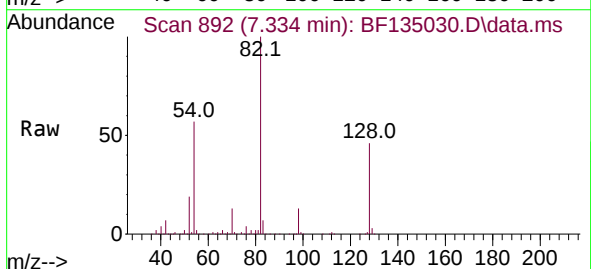
Tgt Ion: 82 Resp: 503848

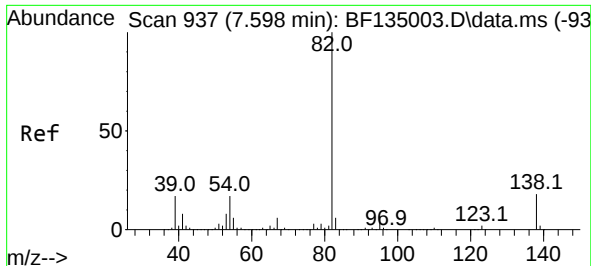
Ion Ratio Lower Upper

82 100

128 45.7 37.8 56.8

54 56.6 45.0 67.6

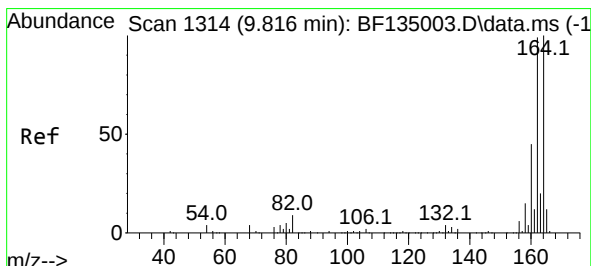
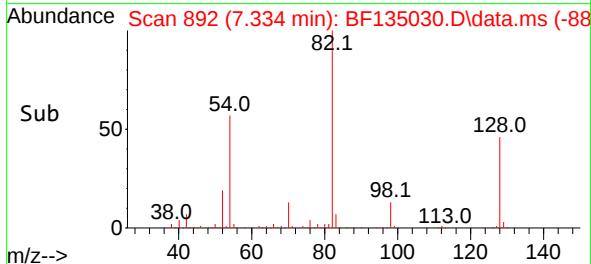
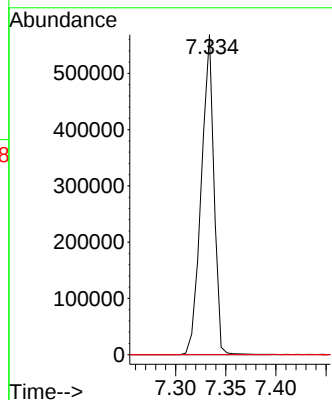
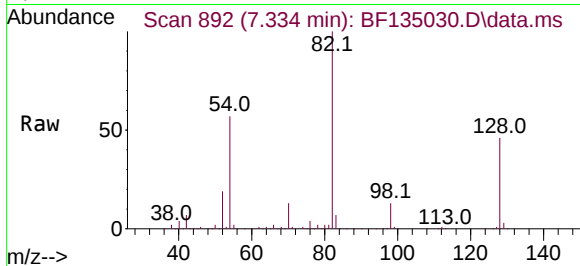




#25
Isophorone
Concen: 29.646 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

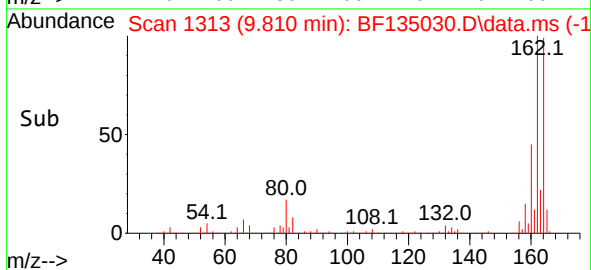
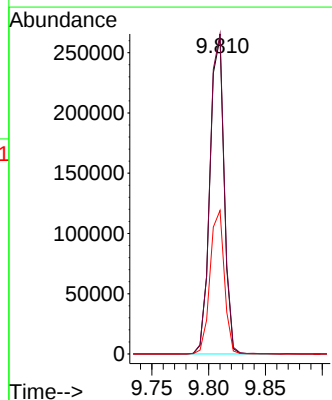
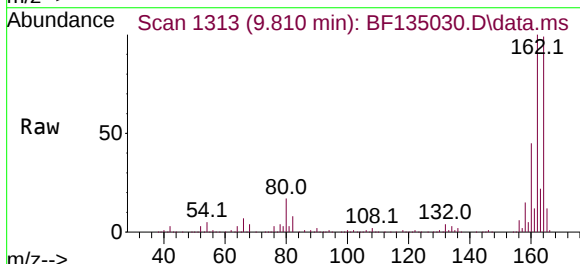
Instrument :
BNA_F
ClientSampleId :
WC-4

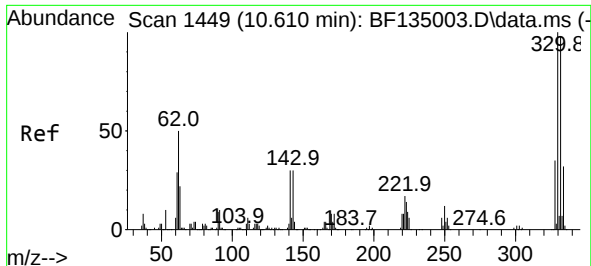
Tgt Ion: 82 Resp: 503843
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:164 Resp: 227561
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 45.4 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 69.499 ng

RT: 10.598 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4

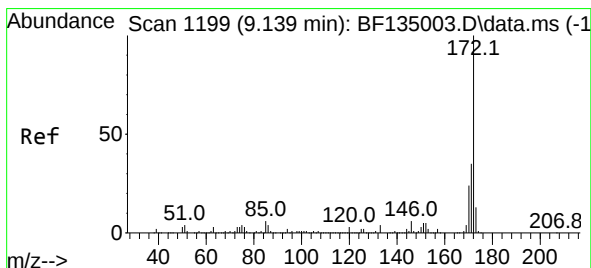
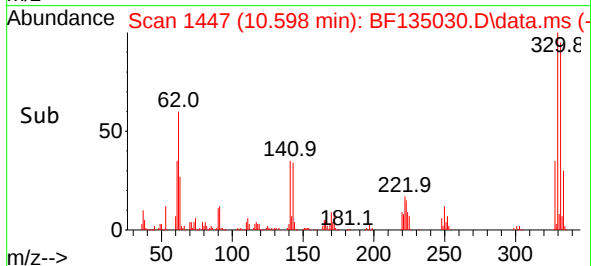
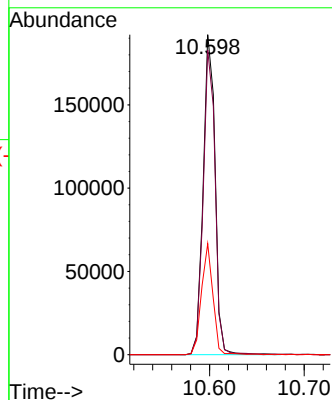
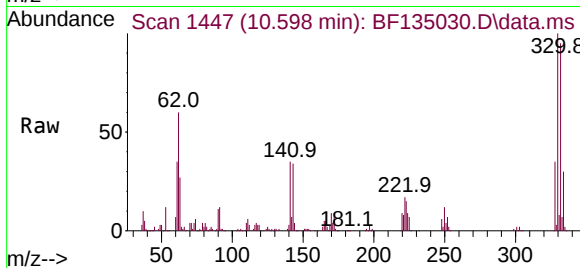
Tgt Ion:330 Resp: 167767

Ion Ratio Lower Upper

330 100

332 95.1 77.6 116.4

141 33.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 63.107 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

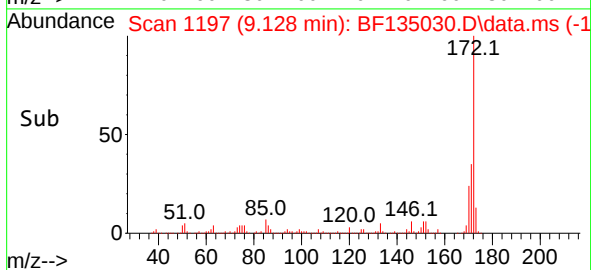
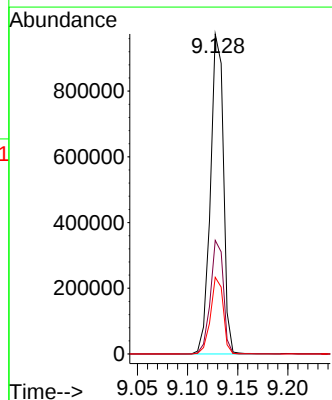
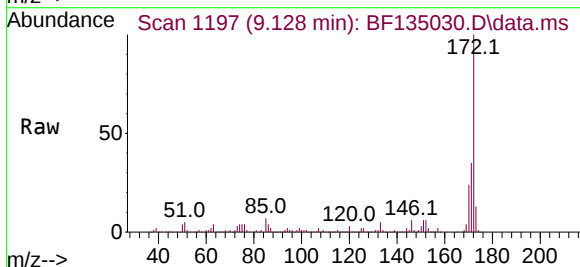
Tgt Ion:172 Resp: 882044

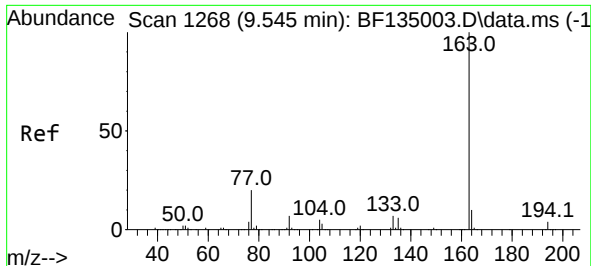
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 24.0 19.0 28.4

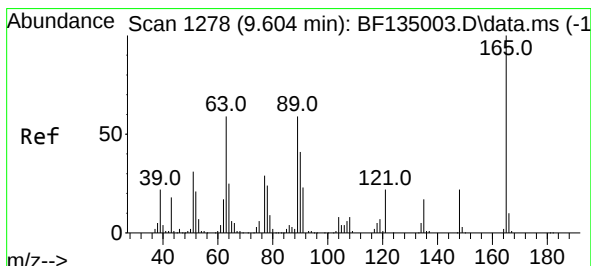
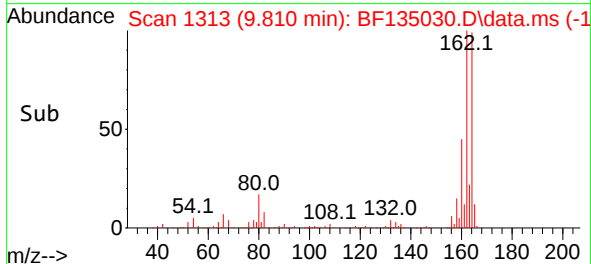
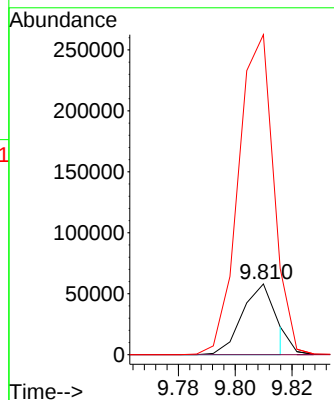
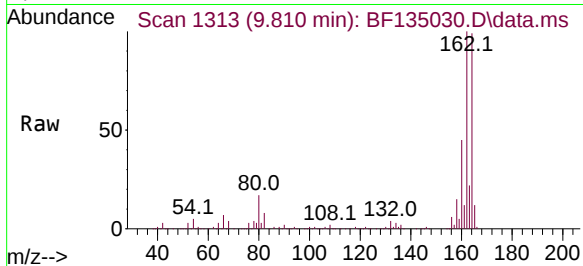




#50
Dimethylphthalate
Concen: 2.987 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

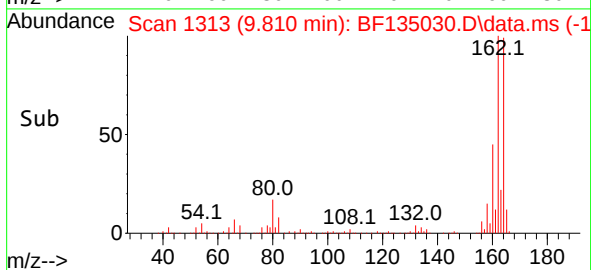
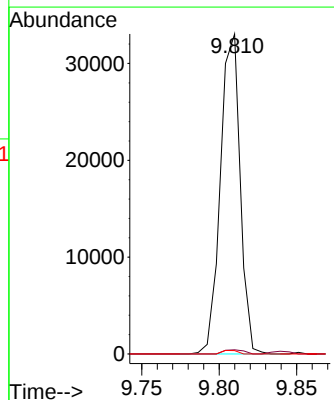
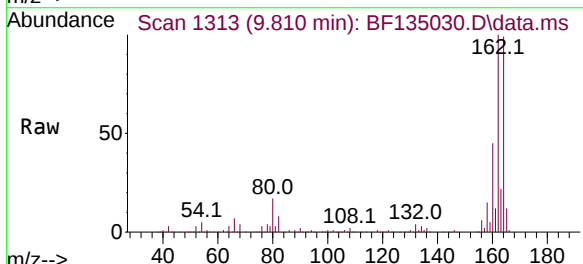
Instrument :
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WC-4

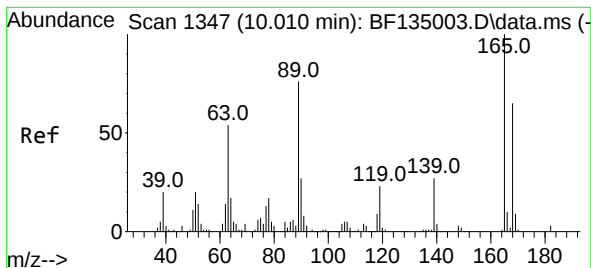
Tgt Ion:163 Resp: 47592
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 452.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.395 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:165 Resp: 29350
Ion Ratio Lower Upper
165 100
63 1.3 50.4 75.6#
89 1.1 47.1 70.7#

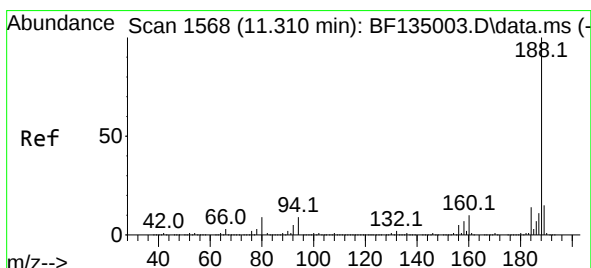
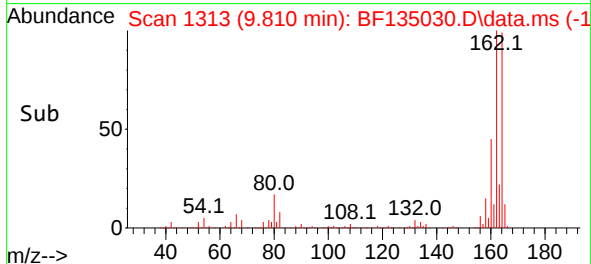
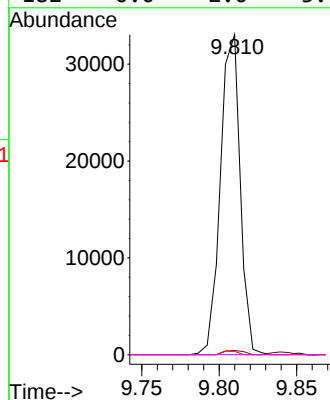
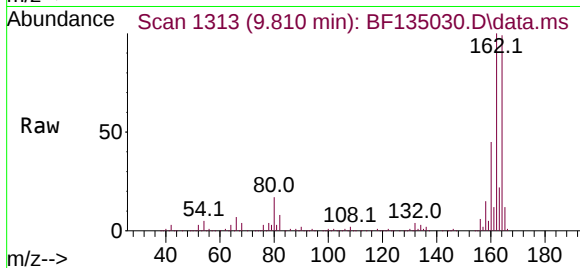




#57
2,4-Dinitrotoluene
Concen: 6.736 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

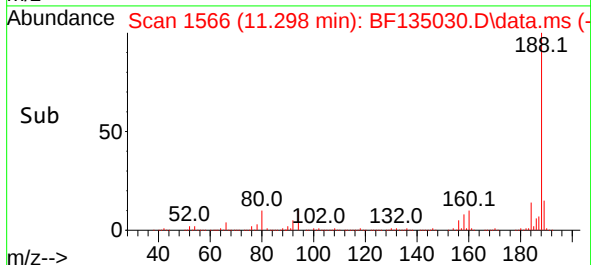
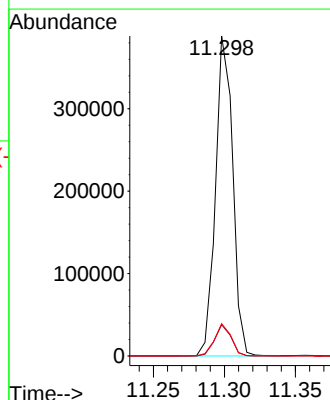
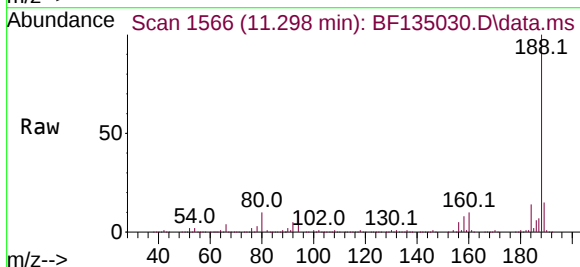
Instrument :
BNA_F
ClientSampleId :
WC-4

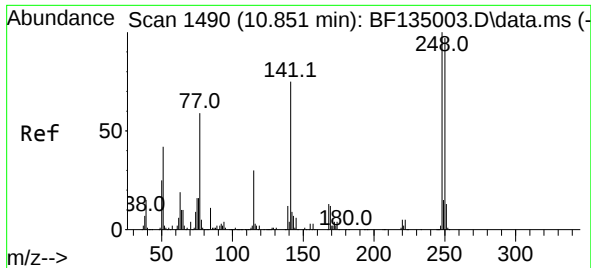
Tgt Ion:165 Resp: 29350
Ion Ratio Lower Upper
165 100
63 1.3 43.2 64.8#
89 1.1 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:188 Resp: 326515
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.1 7.4 11.2

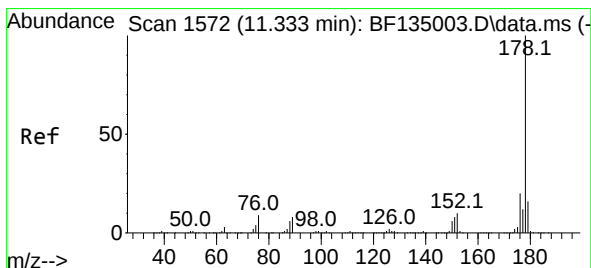
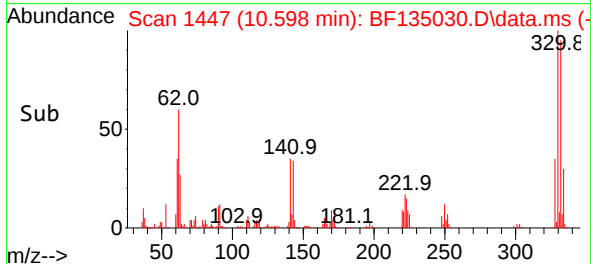
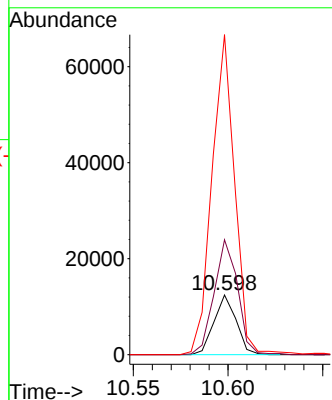
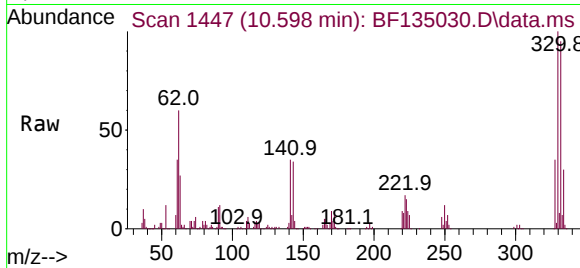




#67
4-Bromophenyl-phenylether
Concen: 2.924 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

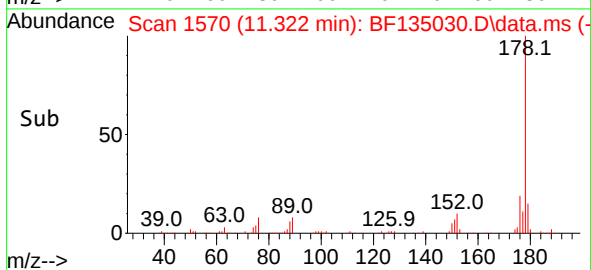
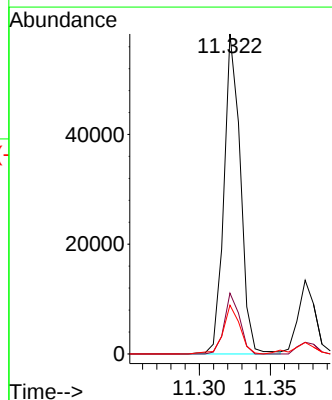
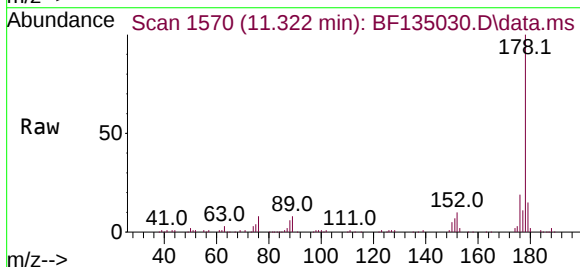
Instrument :
BNA_F
ClientSampleId :
WC-4

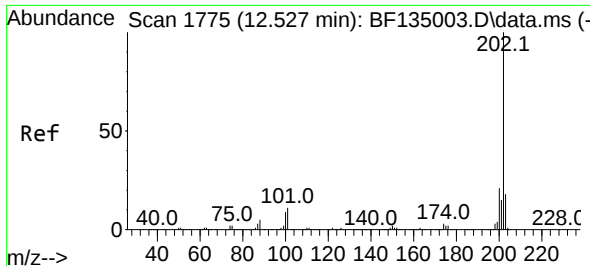
Tgt Ion:248 Resp: 10127
Ion Ratio Lower Upper
248 100
250 192.5 77.9 116.9#
141 536.0 59.8 89.8#



#71
Phenanthrene
Concen: 2.777 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:178 Resp: 46776
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.2 12.5 18.7

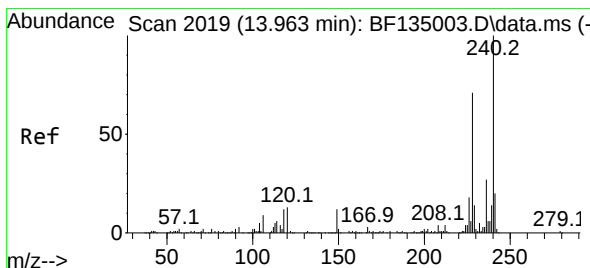
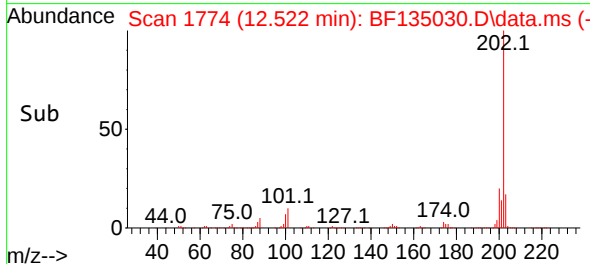
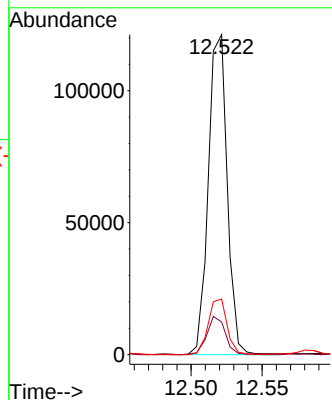
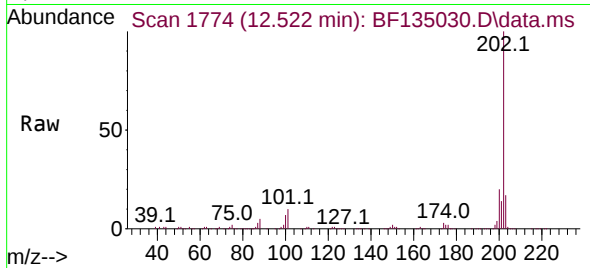




#75
Fluoranthene
Concen: 6.591 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

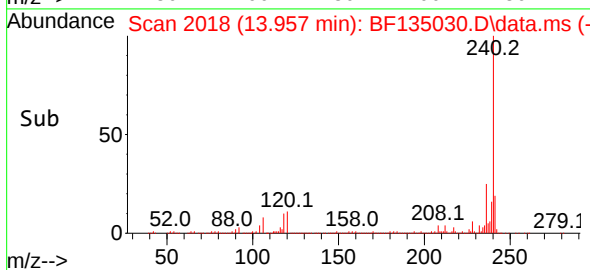
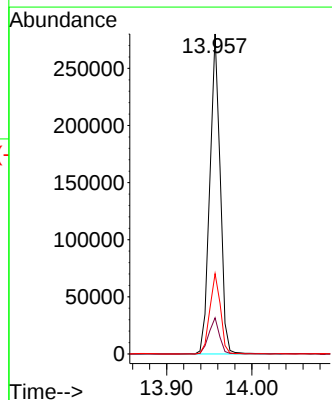
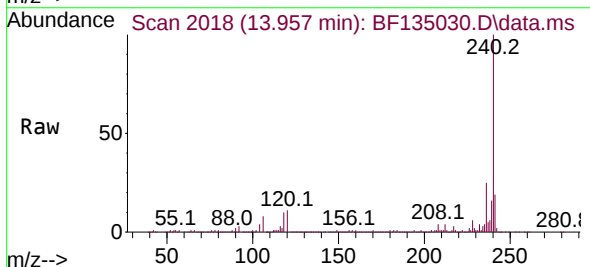
Instrument :
BNA_F
ClientSampleId :
WC-4

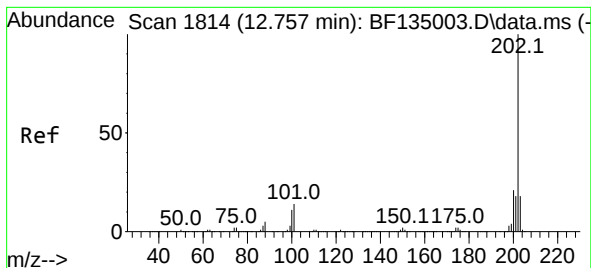
Tgt Ion:202 Resp: 112254
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:240 Resp: 236583
Ion Ratio Lower Upper
240 100
120 11.3 10.2 15.2
236 25.1 21.3 31.9





#78

Pyrene

Concen: 4.752 ng

RT: 12.751 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4

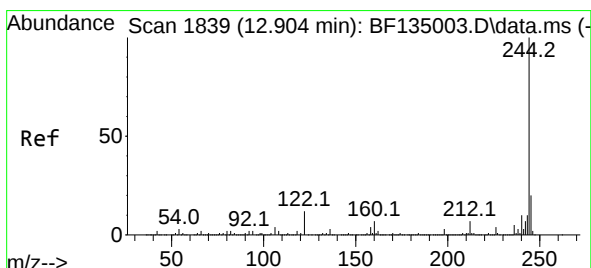
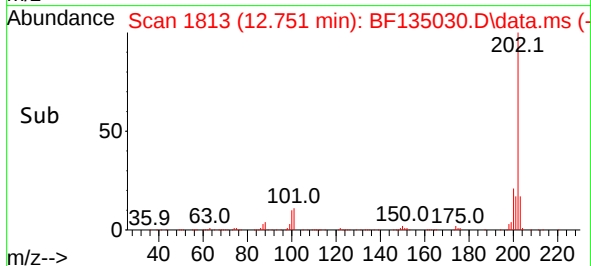
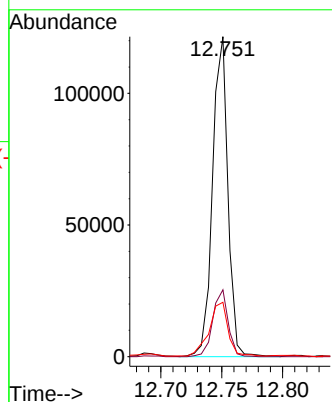
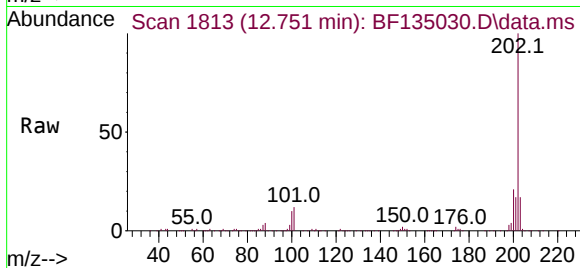
Tgt Ion:202 Resp: 106752

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 17.0 14.2 21.2



#79

Terphenyl-d14

Concen: 43.892 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

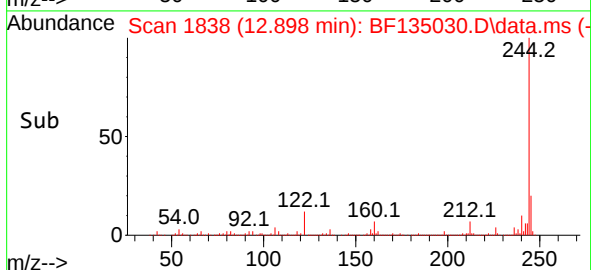
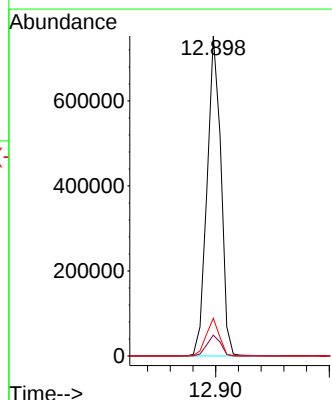
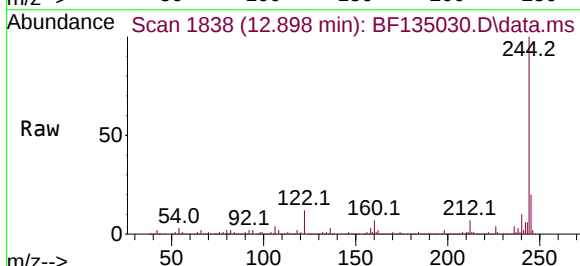
Tgt Ion:244 Resp: 636313

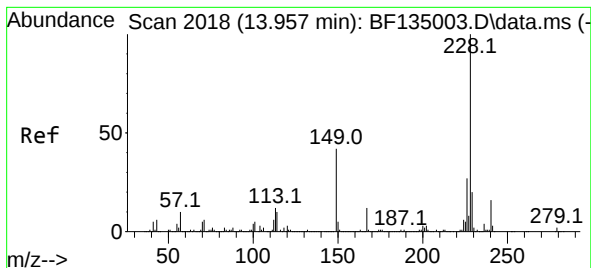
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 11.8 9.8 14.6





#81

Benzo(a)anthracene

Concen: 4.317 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4

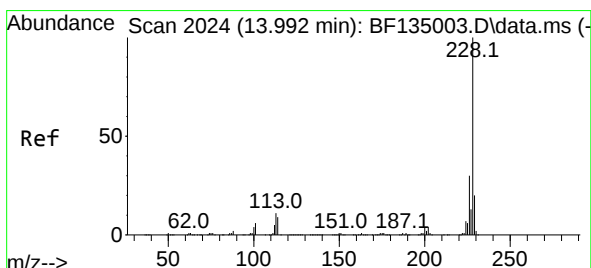
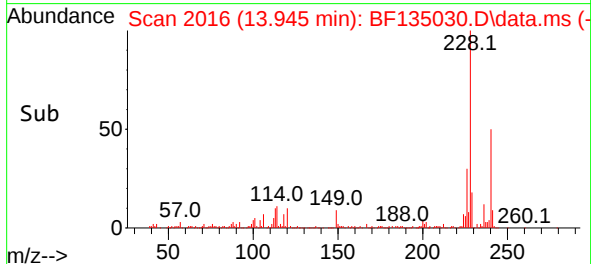
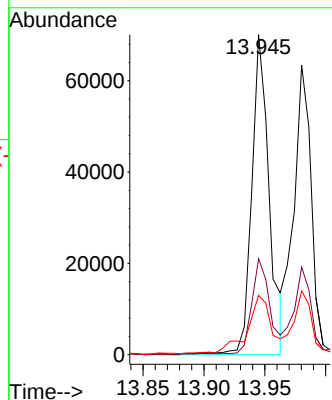
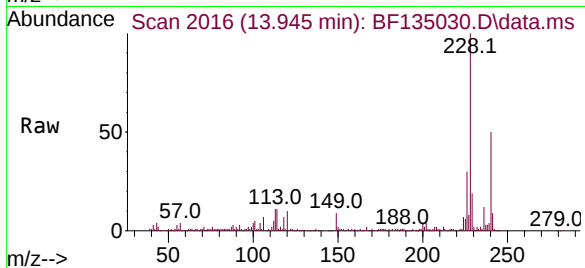
Tgt Ion:228 Resp: 69664

Ion Ratio Lower Upper

228 100

226 30.0 21.6 32.4

229 18.6 15.6 23.4



#83

Chrysene

Concen: 4.022 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

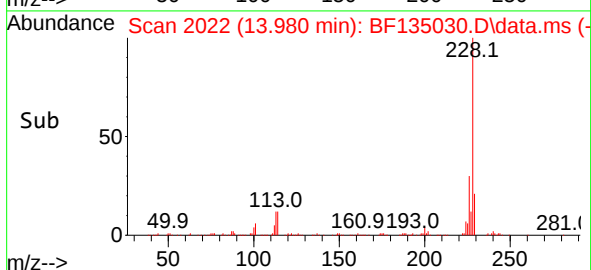
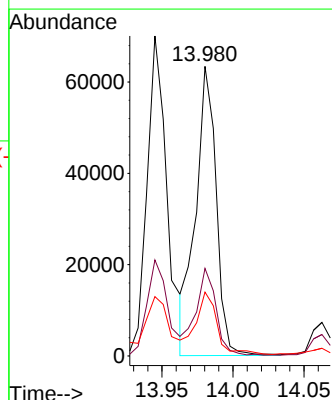
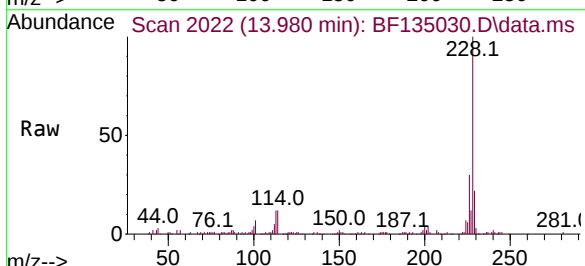
Tgt Ion:228 Resp: 63787

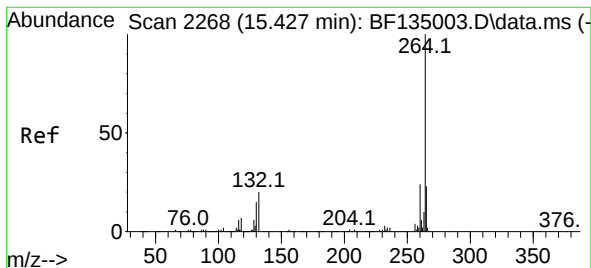
Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4

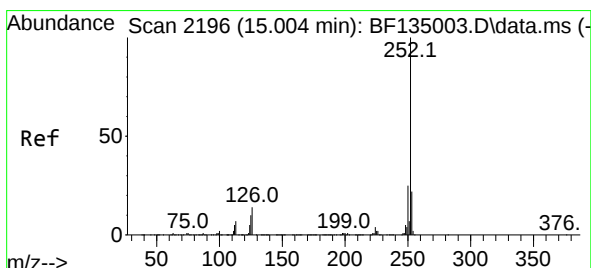
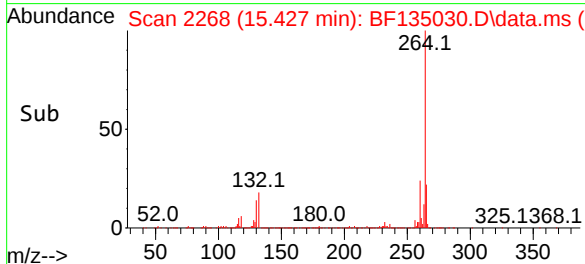
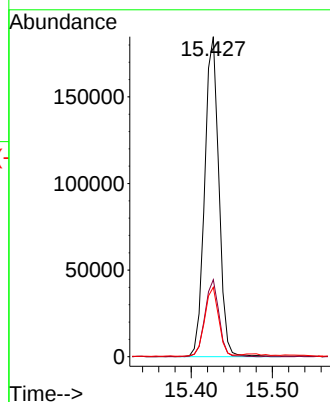
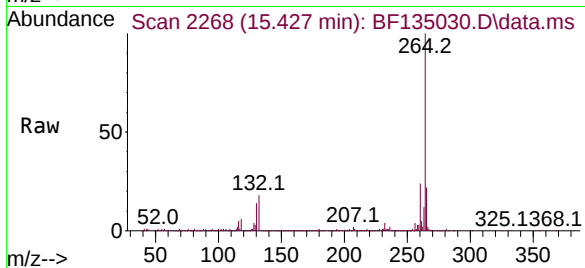
Tgt Ion:264 Resp: 224079

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 21.7 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 8.494 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

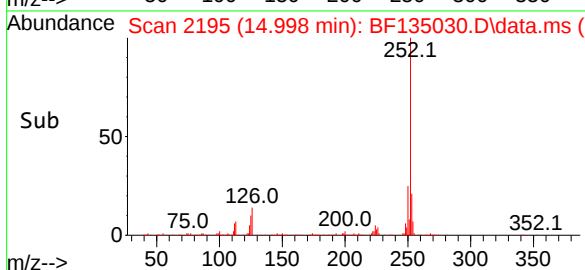
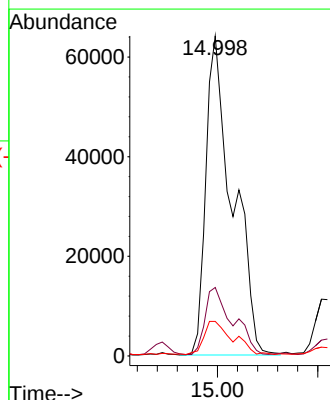
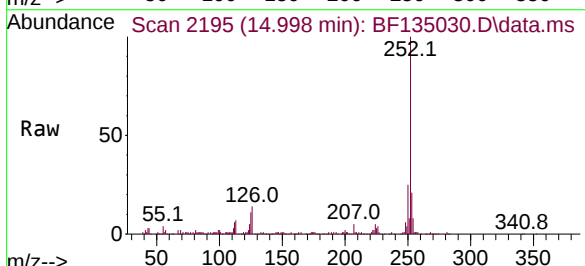
Tgt Ion:252 Resp: 118429

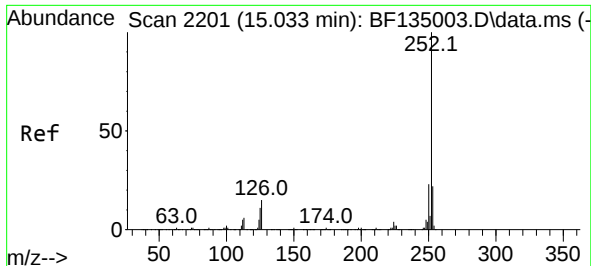
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 10.8 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 8.792 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4

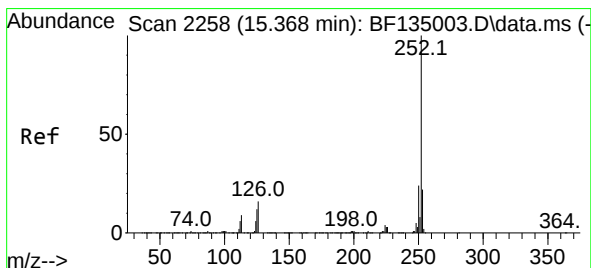
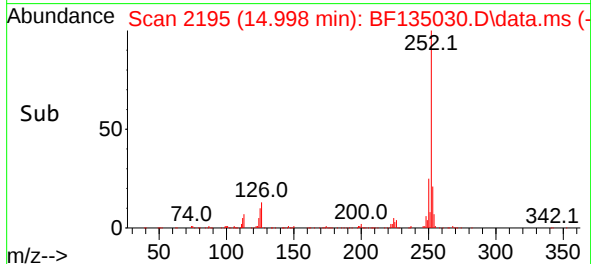
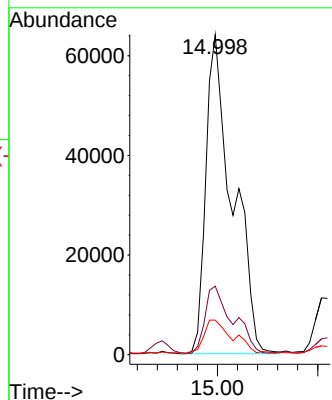
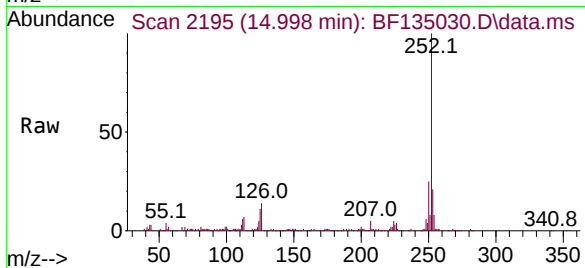
Tgt Ion:252 Resp: 118429

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 10.8 8.5 12.7



#90

Benzo(a)pyrene

Concen: 4.142 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135030.D

Acq: 31 Aug 2023 05:02

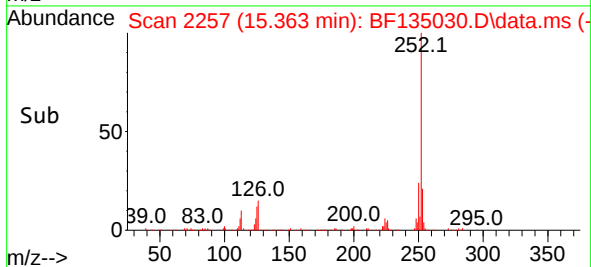
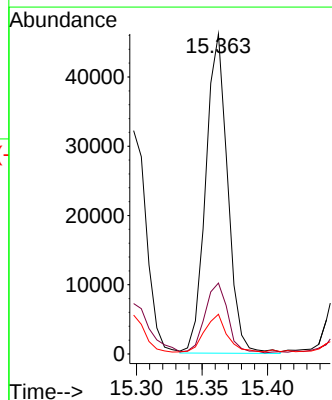
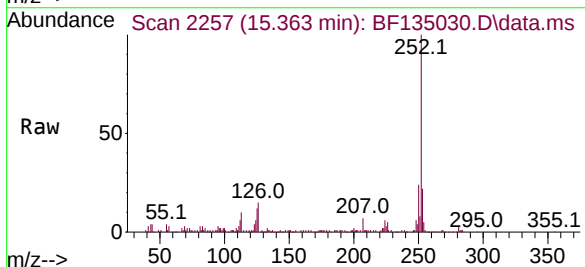
Tgt Ion:252 Resp: 53654

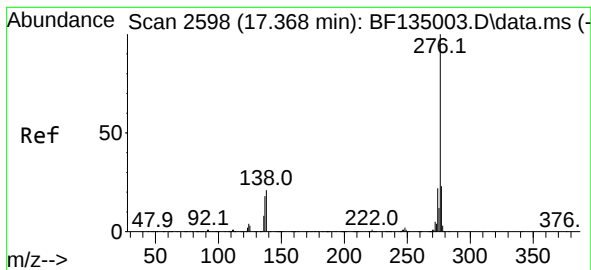
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

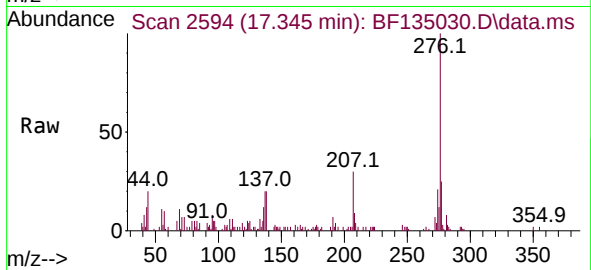
125 12.4 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 2.045 ng
 RT: 17.345 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF135030.D
 Acq: 31 Aug 2023 05:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-4



Tgt Ion:	276	Resp:	25995
Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	20.0	17.1	25.7

