

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135322.D
 Acq On : 18 Sep 2023 23:25
 Operator : CG\JU
 Sample : 04435-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 19 00:18:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

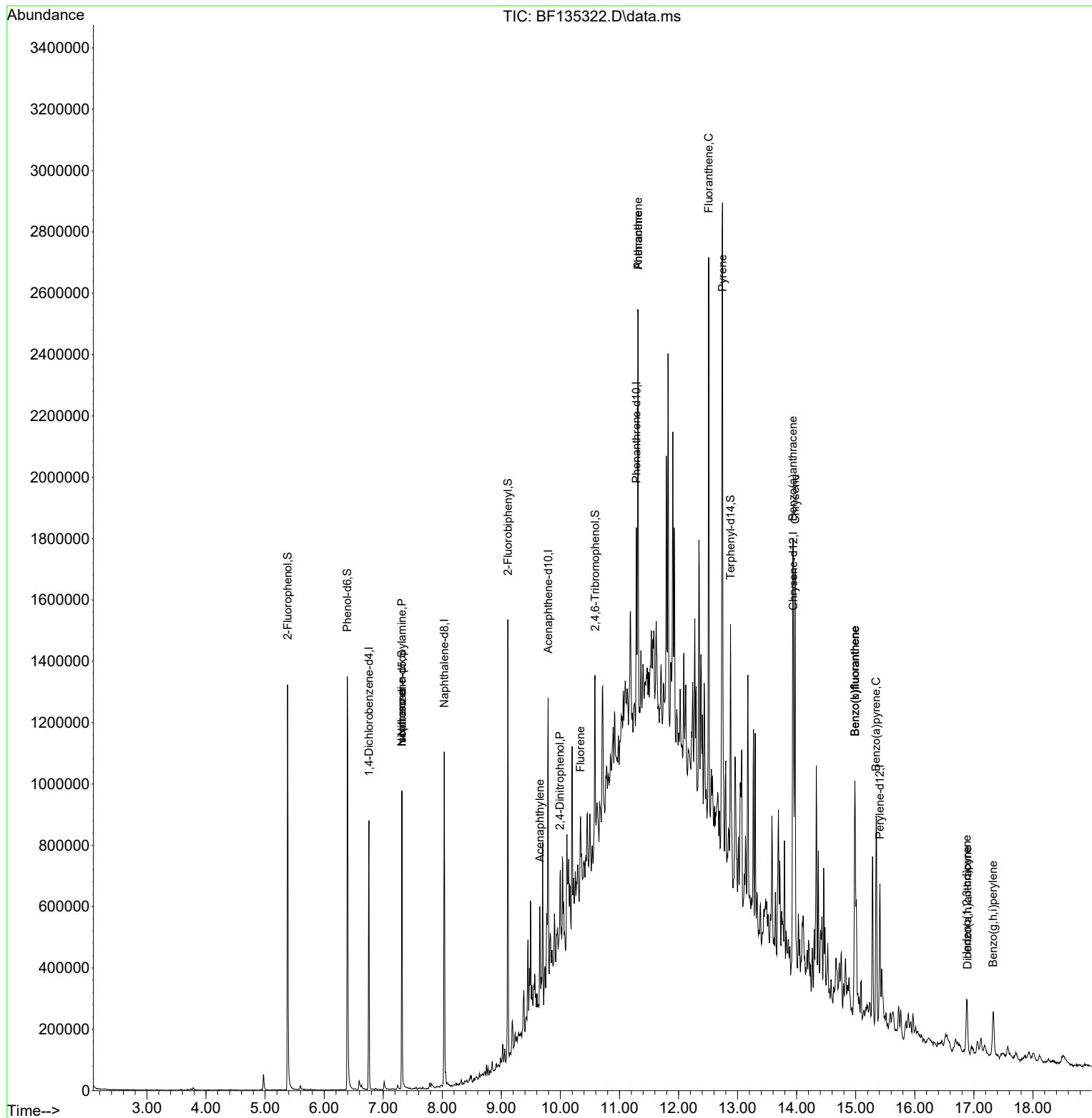
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	121288	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	432737	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	174736	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	233984	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	209052	20.000	ng	0.00
86) Perylene-d12	15.410	264	213449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	336788	45.163	ng	0.00
7) Phenol-d6	6.393	99	418729	44.159	ng	-0.01
23) Nitrobenzene-d5	7.316	82	256115	32.155	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	60859	35.048	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	405533	35.015	ng	-0.02
79) Terphenyl-d14	12.880	244	251230	18.630	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.316	70	34758	5.918	ng	# 81
25) Isophorone	7.316	82	256113	17.511	ng	# 65
49) Acenaphthylene	9.651	152	35808	2.211	ng	# 90
54) 2,4-Dinitrophenol	9.992	184	128	6.328	ng	# 1
58) Fluorene	10.339	166	35973	3.206	ng	# 94
71) Phenanthrene	11.316	178	567118	51.247	ng	99
72) Anthracene	11.316	178	567118	49.856	ng	99
75) Fluoranthene	12.510	202	717977	62.264	ng	98
78) Pyrene	12.745	202	1045210	52.514	ng	100
81) Benzo(a)anthracene	13.933	228	556749	41.244	ng	95
83) Chrysene	13.974	228	552708	41.182	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	113368	8.101	ng	99
88) Benzo(b)fluoranthene	14.986	252	553345	47.889	ng	# 97
89) Benzo(k)fluoranthene	14.986	252	553345	48.479	ng	# 97
90) Benzo(a)pyrene	15.345	252	337485	30.628	ng	100
91) Dibenzo(a,h)anthracene	16.892	278	40294	3.519	ng	# 89
92) Benzo(g,h,i)perylene	17.327	276	122776	10.266	ng	100

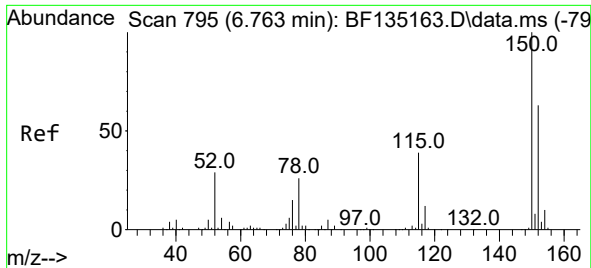
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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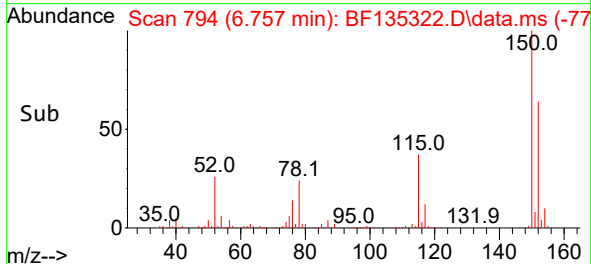
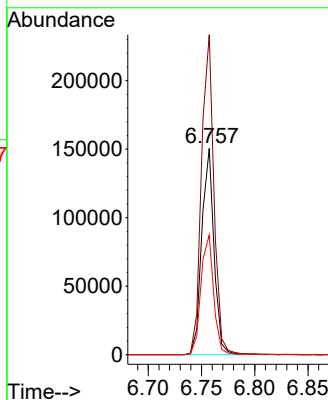
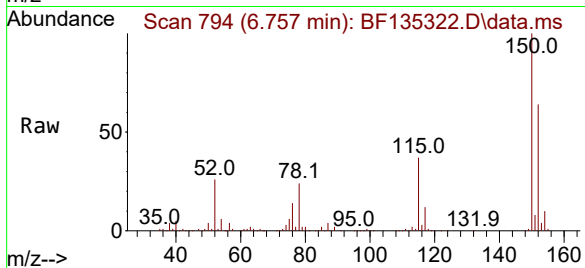




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

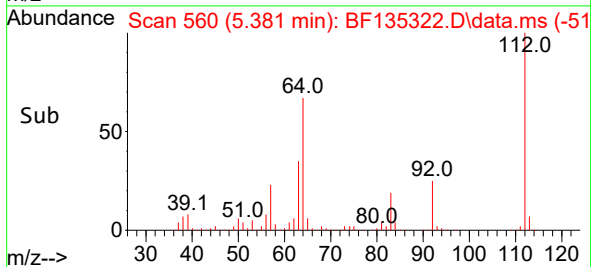
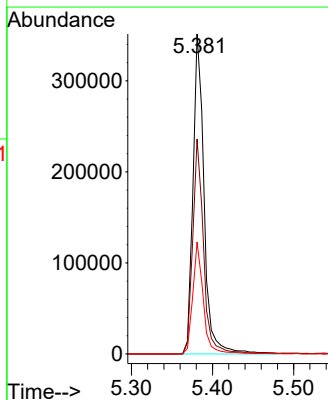
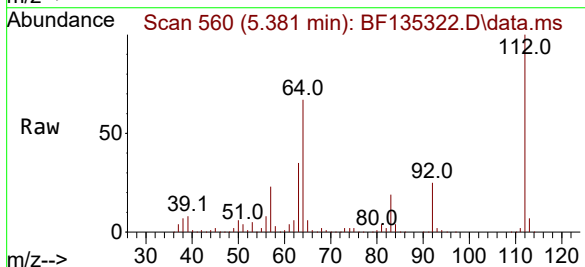
Instrument :
BNA_F
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WC-1

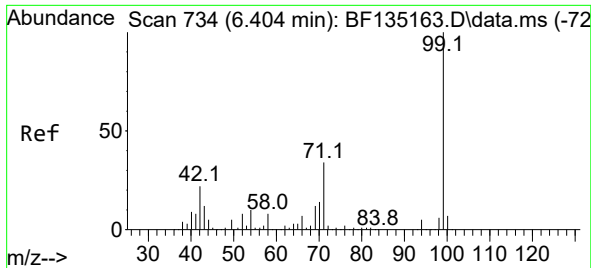
Tgt Ion:152 Resp: 121288
Ion Ratio Lower Upper
152 100
150 155.1 127.8 191.6
115 58.0 49.8 74.8



#5
2-Fluorophenol
Concen: 45.163 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:112 Resp: 336788
Ion Ratio Lower Upper
112 100
64 67.1 55.9 83.9
63 35.0 29.0 43.6

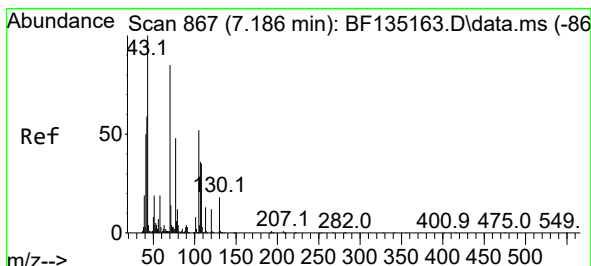
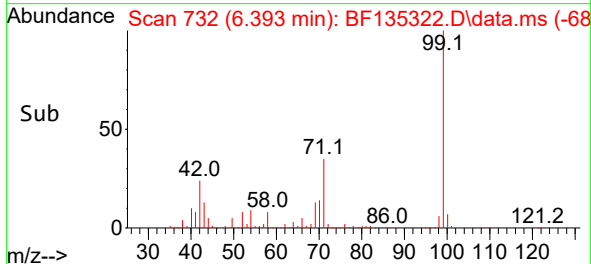
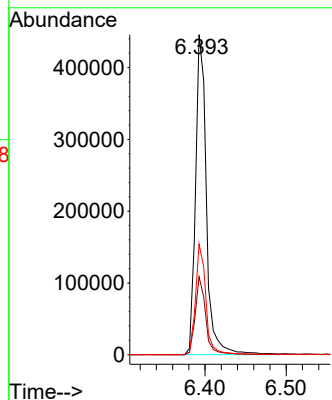
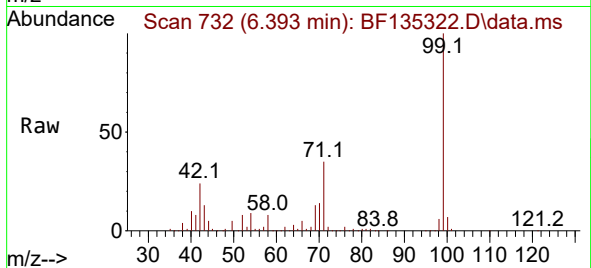




#7
Phenol-d6
Concen: 44.159 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

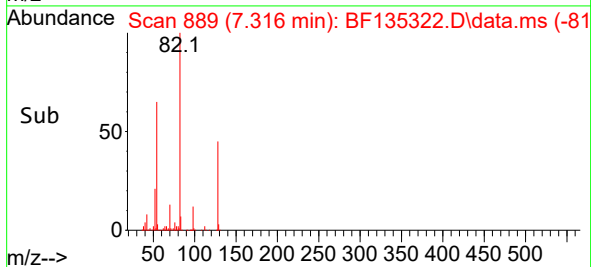
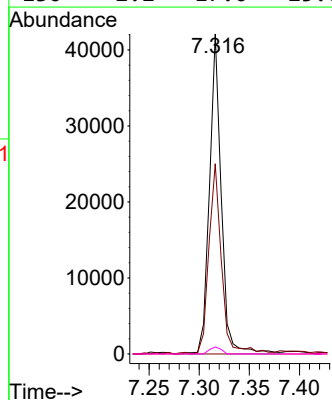
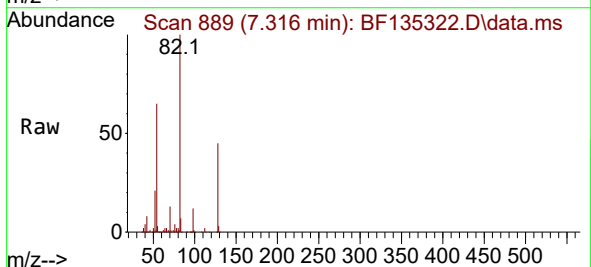
Instrument :
BNA_F
ClientSampleId :
WC-1

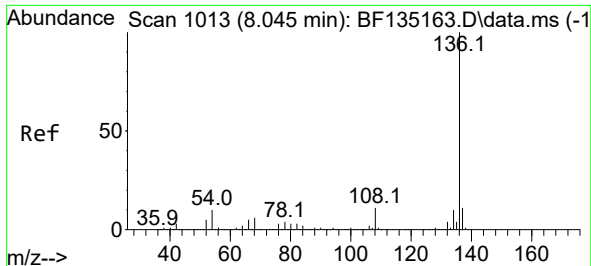
Tgt Ion: 99 Resp: 418729
Ion Ratio Lower Upper
99 100
42 24.3 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.918 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.130 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion: 70 Resp: 34758
Ion Ratio Lower Upper
70 100
42 59.4 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

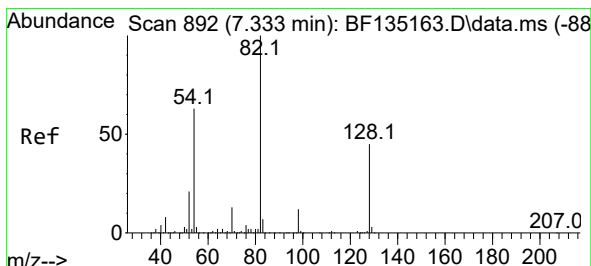
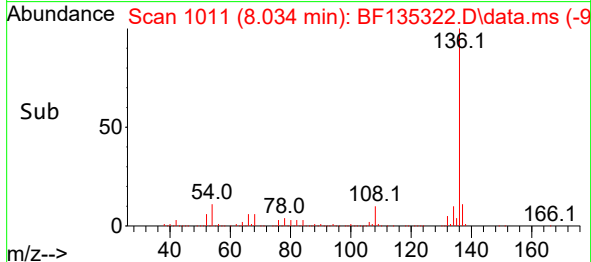
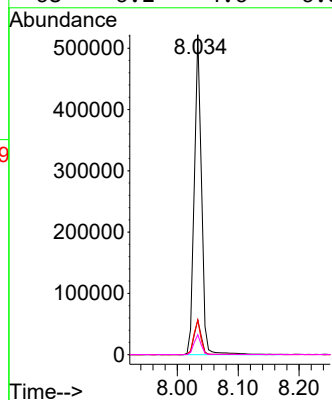
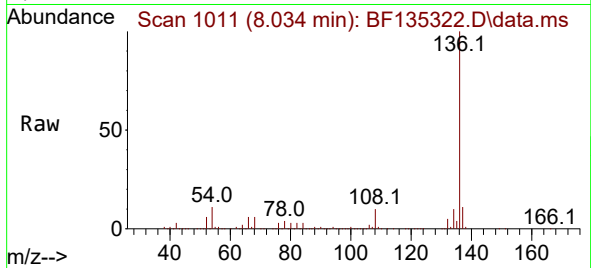




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

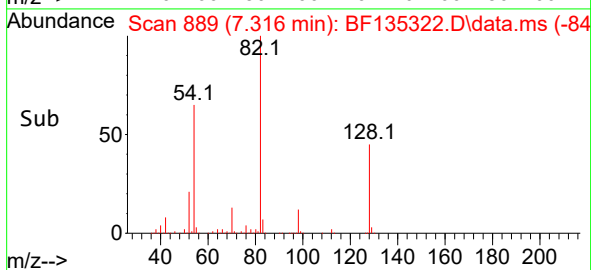
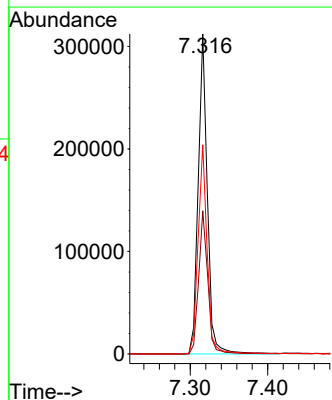
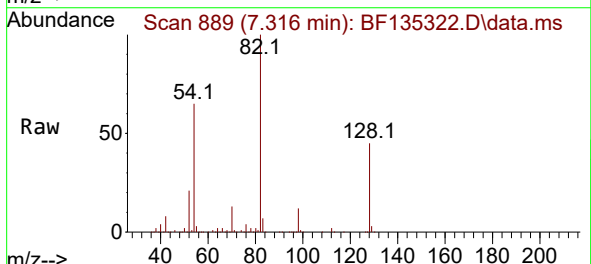
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 432737
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 32.155 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.017 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion: 82 Resp: 256115
Ion Ratio Lower Upper
82 100
128 44.8 35.8 53.6
54 65.4 50.6 76.0

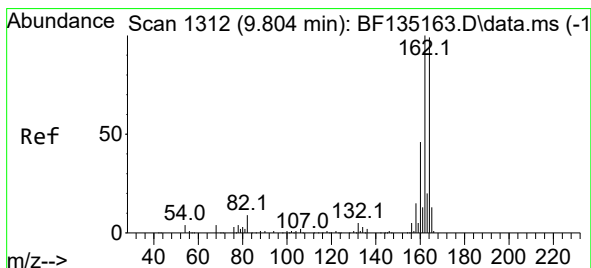
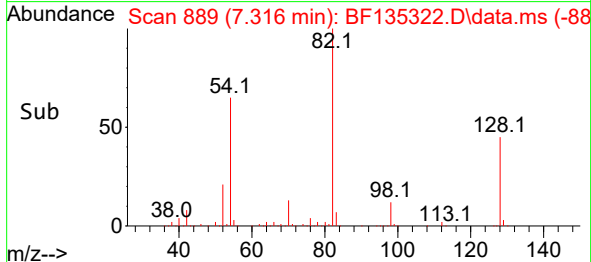
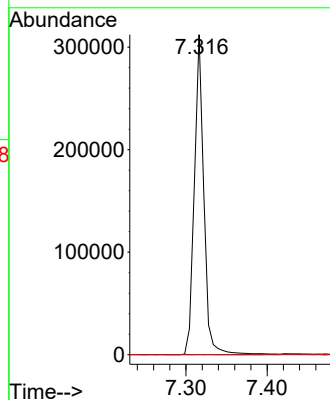
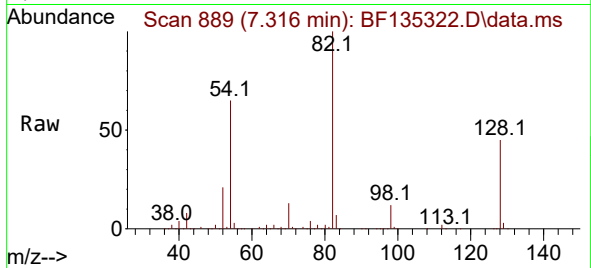




#25
Isophorone
Concen: 17.511 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

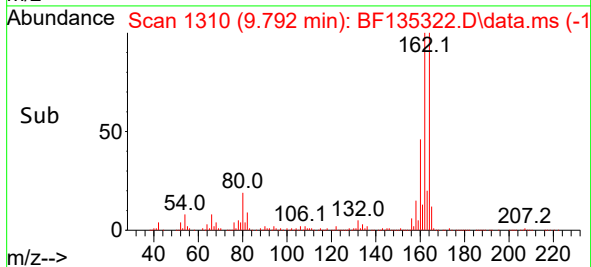
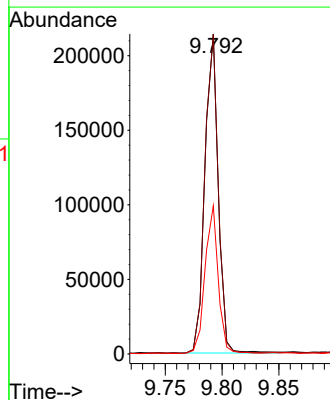
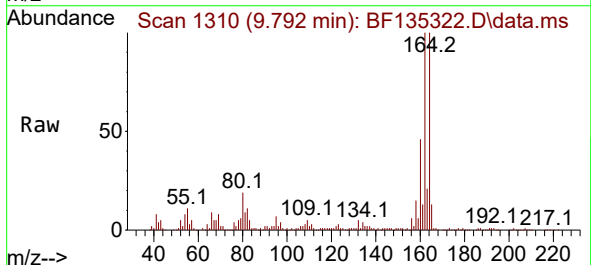
Instrument :
BNA_F
ClientSampleId :
WC-1

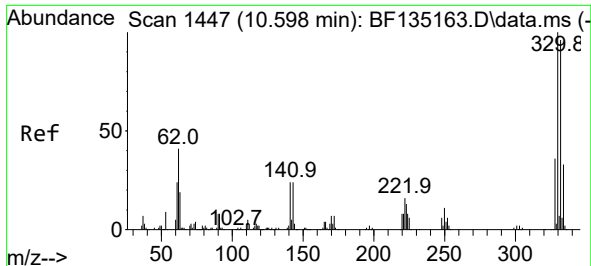
Tgt Ion: 82 Resp: 256113
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:164 Resp: 174736
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 46.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 35.048 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1

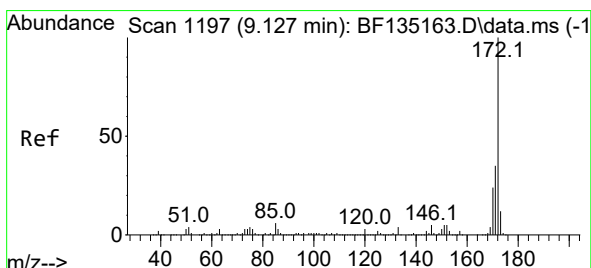
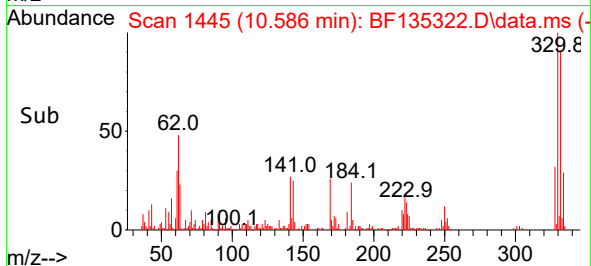
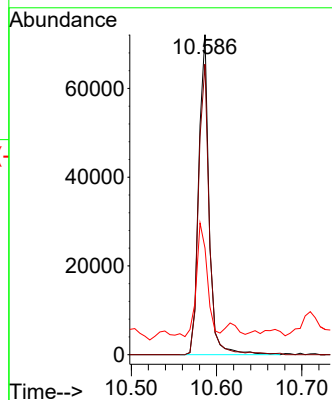
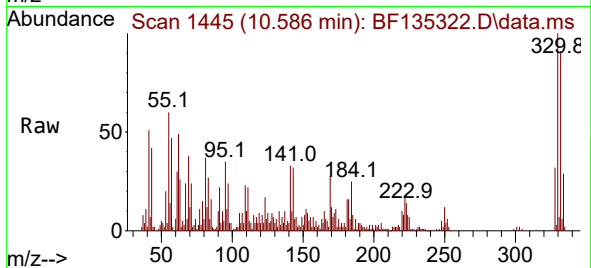
Tgt Ion:330 Resp: 60859

Ion Ratio Lower Upper

330 100

332 94.5 77.3 115.9

141 37.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 35.015 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.017 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

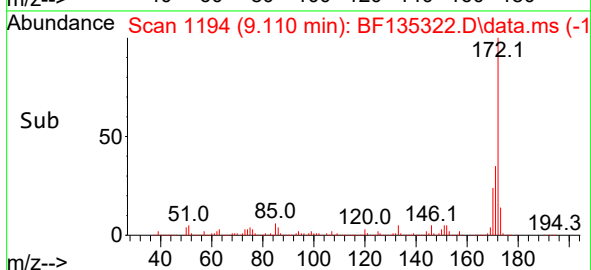
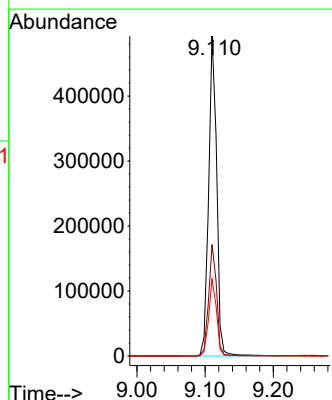
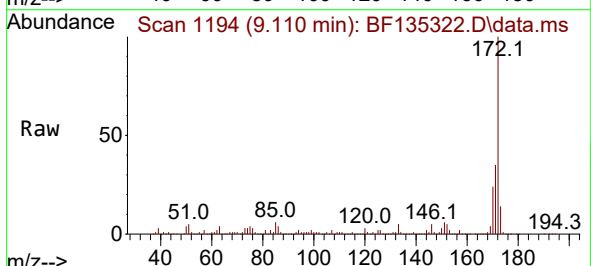
Tgt Ion:172 Resp: 405533

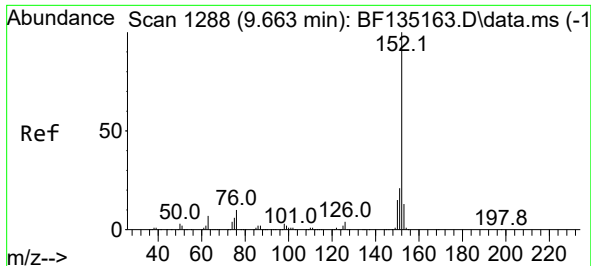
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 24.0 19.0 28.4

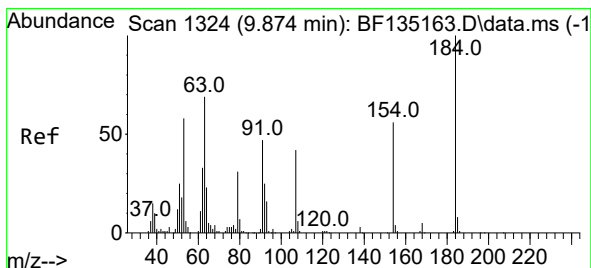
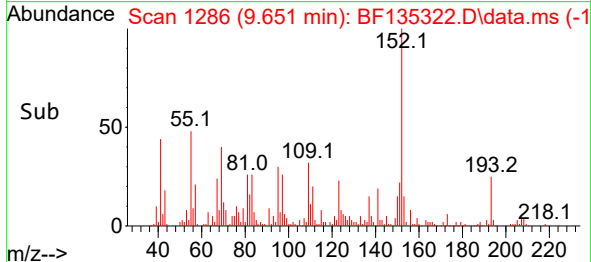
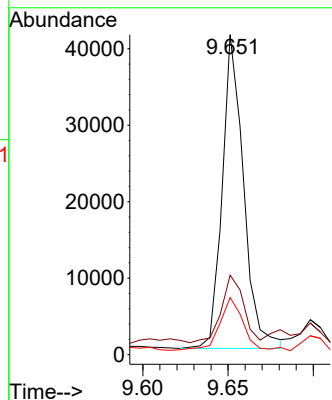
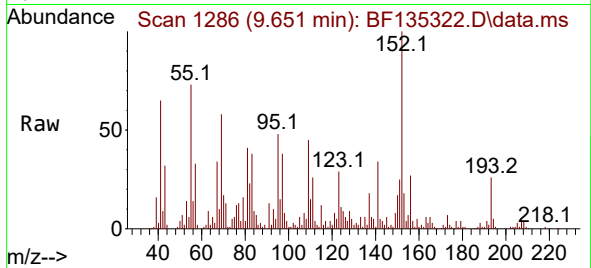




#49
Acenaphthylene
Concen: 2.211 ng
RT: 9.651 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

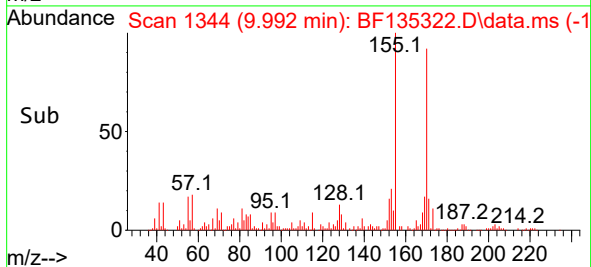
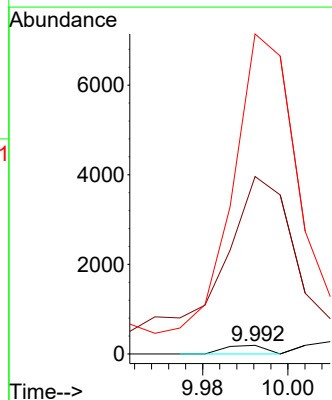
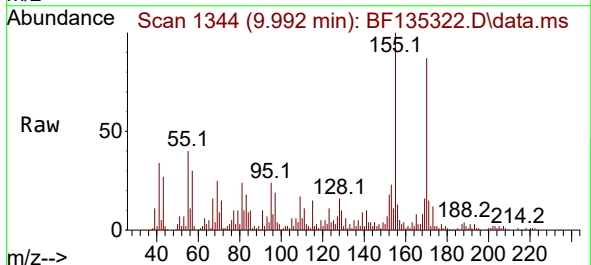
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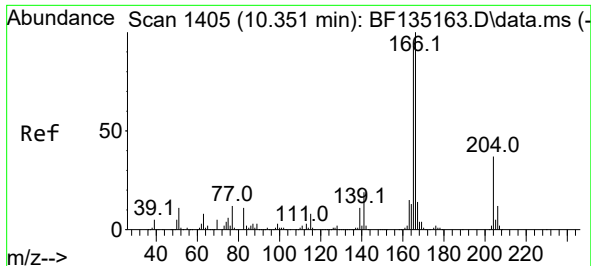
Tgt Ion:152 Resp: 35808
Ion Ratio Lower Upper
152 100
151 24.9 16.4 24.6#
153 17.9 10.4 15.6#



#54
2,4-Dinitrophenol
Concen: 6.328 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.118 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:184 Resp: 128
Ion Ratio Lower Upper
184 100
63 2052.3 55.1 82.7#
154 3700.5 48.4 72.6#

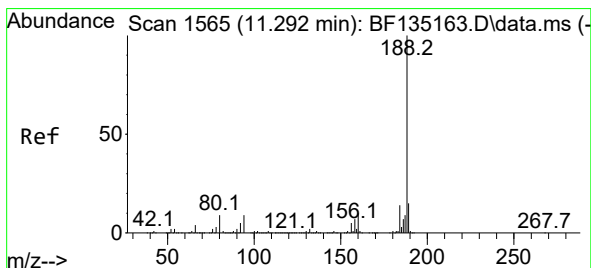
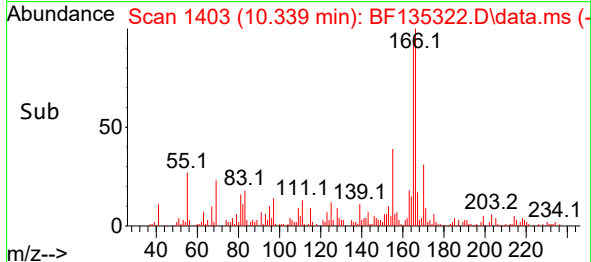
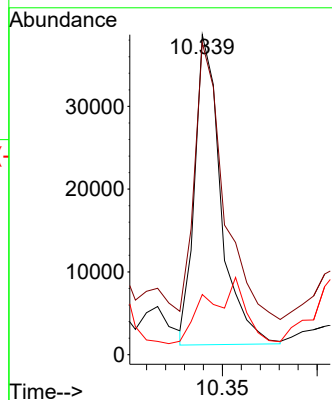
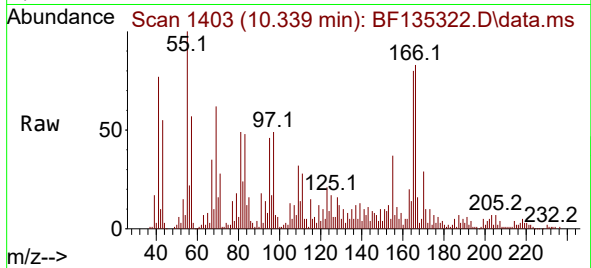




#58
Fluorene
Concen: 3.206 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

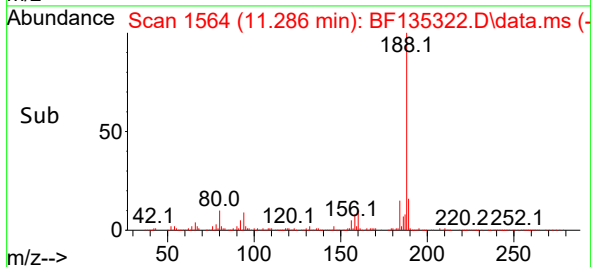
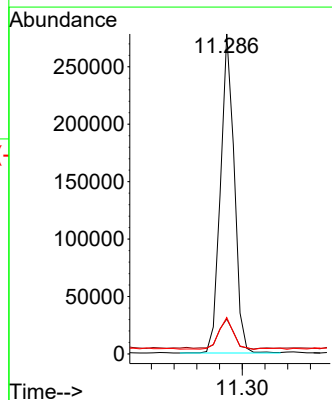
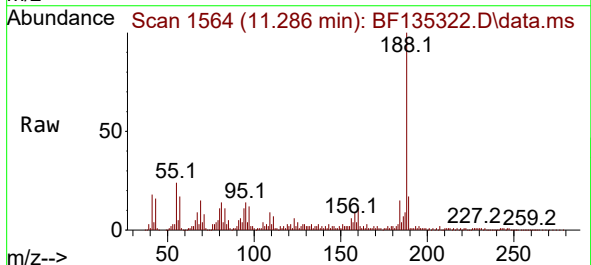
Instrument :
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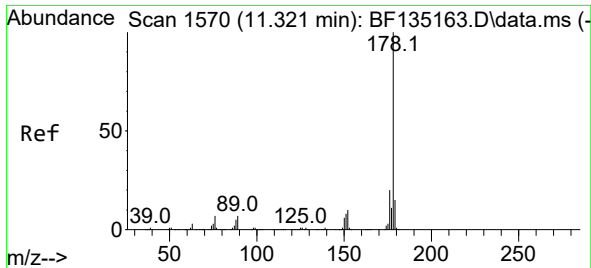
Tgt Ion:166 Resp: 35973
Ion Ratio Lower Upper
166 100
165 97.5 74.3 111.5
167 18.8 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:188 Resp: 233984
Ion Ratio Lower Upper
188 100
94 10.9 7.0 10.6#
80 11.4 7.5 11.3#

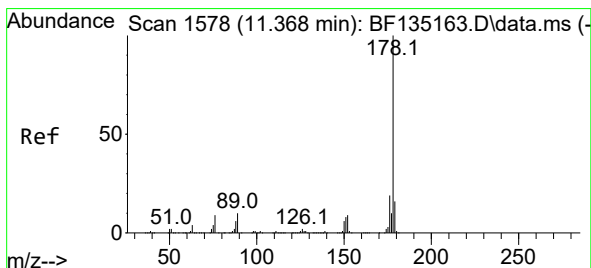
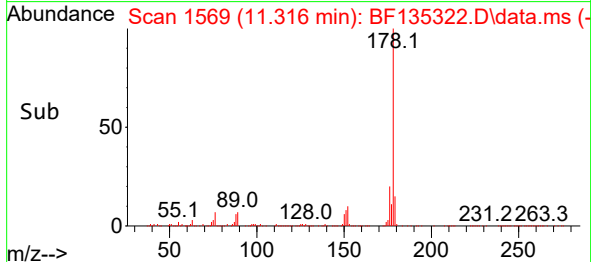
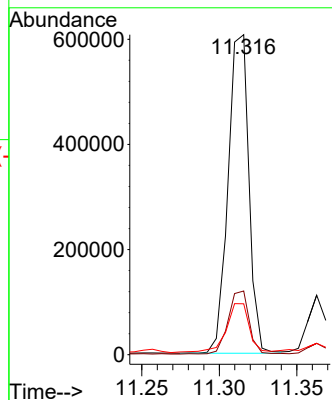
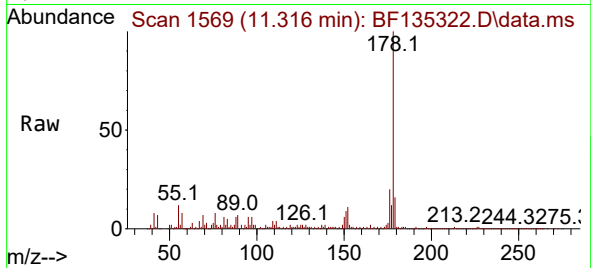




#71
Phenanthrene
Concen: 51.247 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

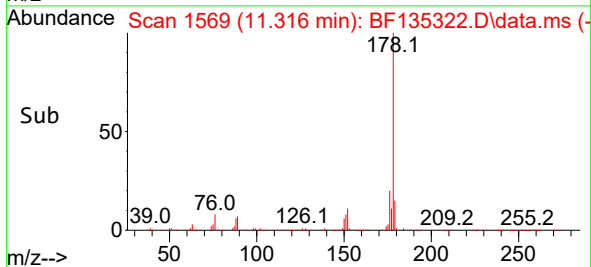
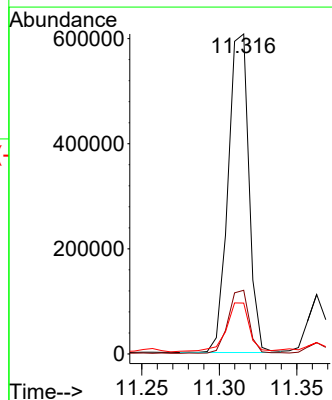
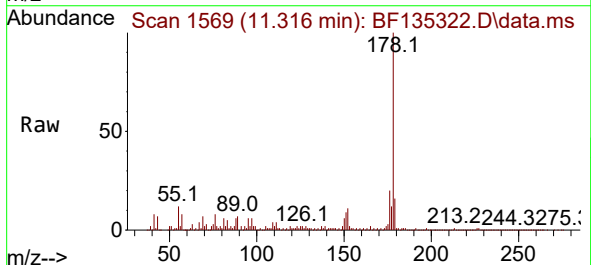
Instrument :
BNA_F
ClientSampleId :
WC-1

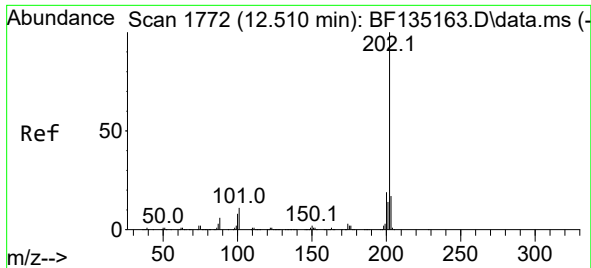
Tgt Ion:178 Resp: 567118
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.9 12.0 18.0



#72
Anthracene
Concen: 49.856 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.053 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:178 Resp: 567118
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.9 12.6 19.0

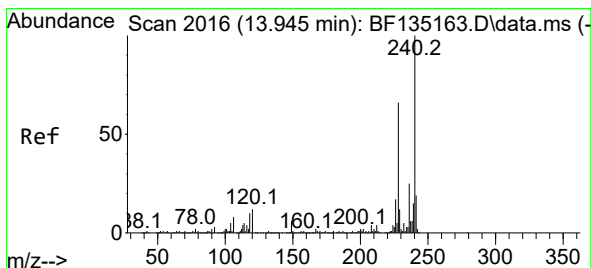
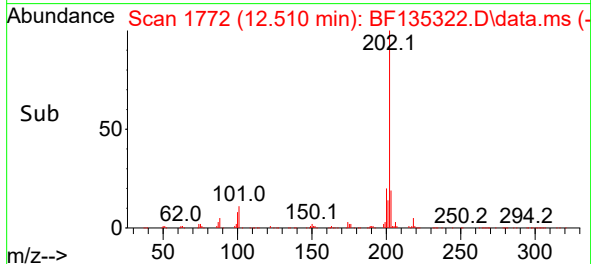
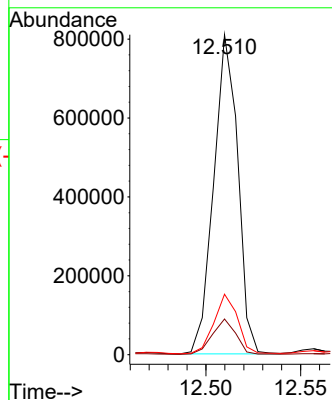
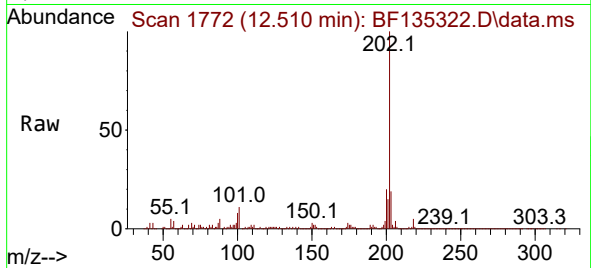




#75
Fluoranthene
Concen: 62.264 ng
RT: 12.510 min Scan# 1772
Delta R.T. 0.000 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

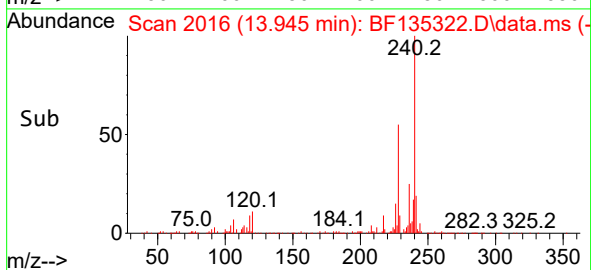
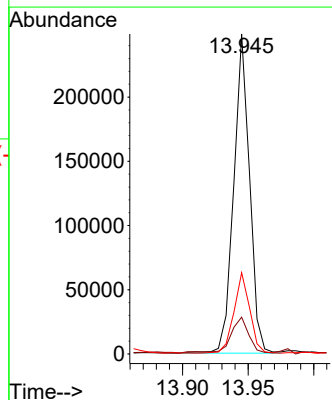
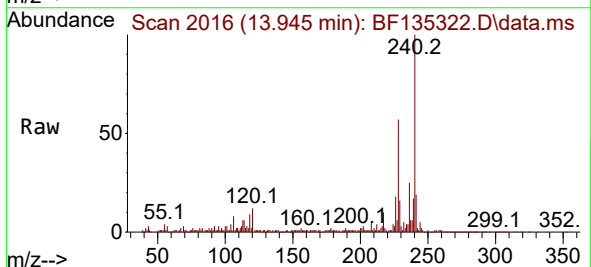
Instrument :
BNA_F
ClientSampleId :
WC-1

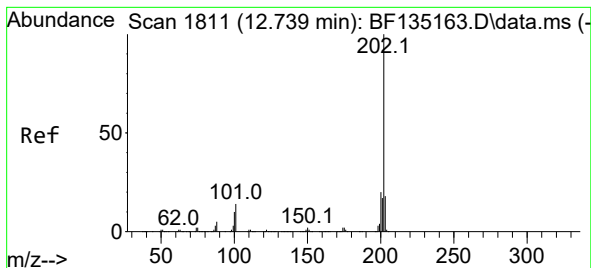
Tgt Ion:202 Resp: 717977
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.3
203 18.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:240 Resp: 209052
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.4 19.8 29.8





#78

Pyrene

Concen: 52.514 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.006 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1

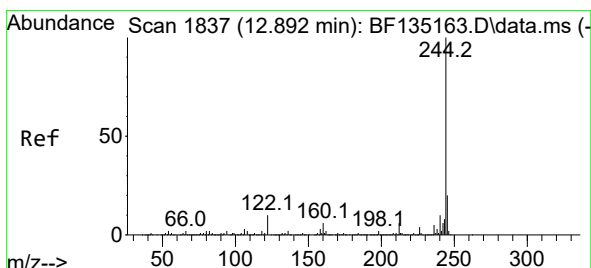
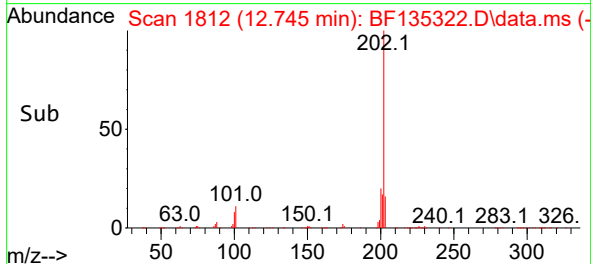
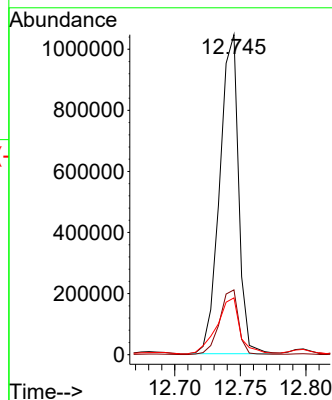
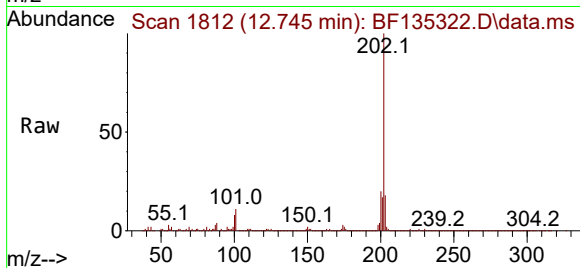
Tgt Ion:202 Resp: 1045210

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 18.630 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

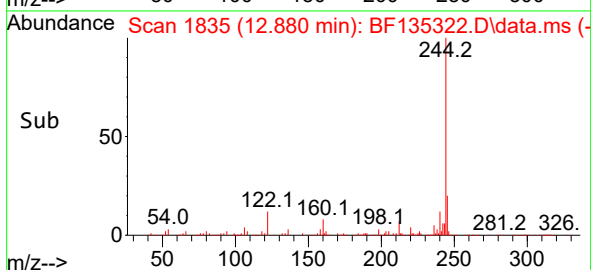
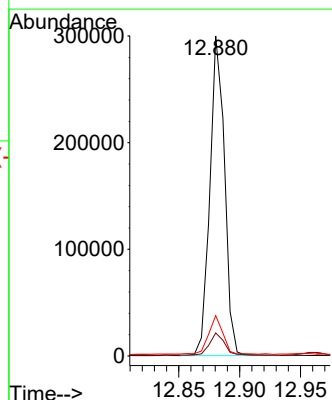
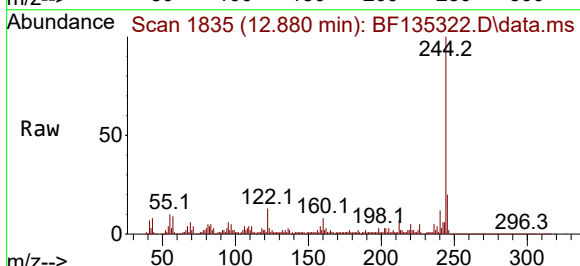
Tgt Ion:244 Resp: 251230

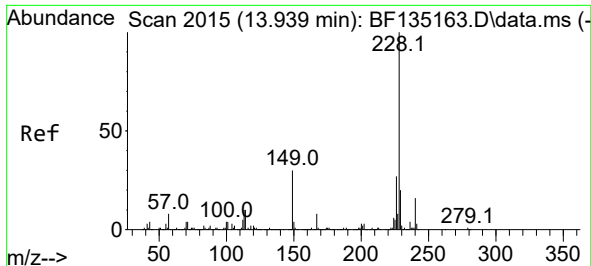
Ion Ratio Lower Upper

244 100

212 7.2 5.1 7.7

122 12.6 7.9 11.9#

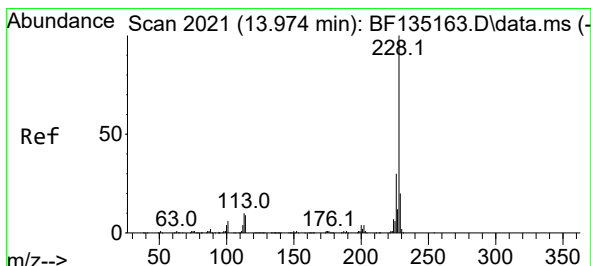
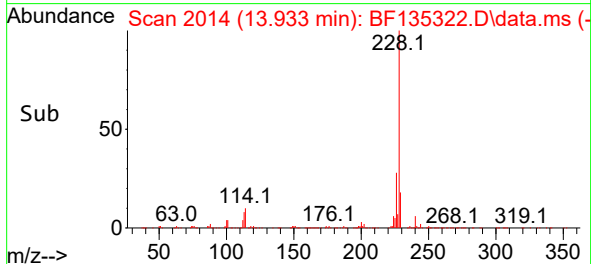
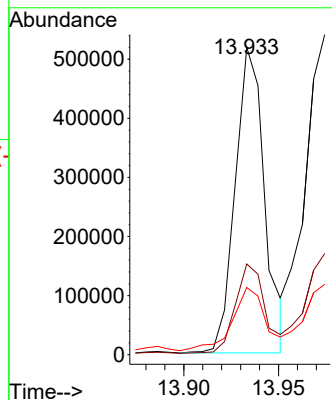
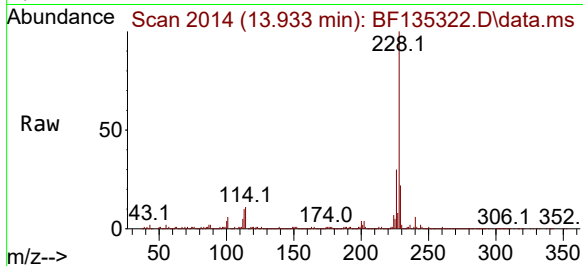




#81
Benzo(a)anthracene
Concen: 41.244 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

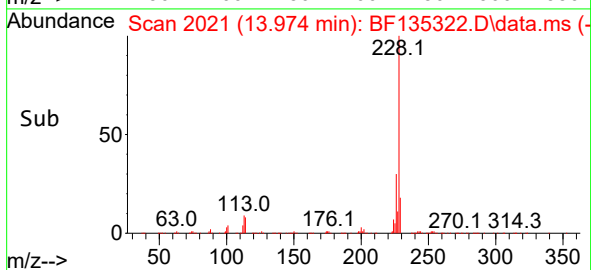
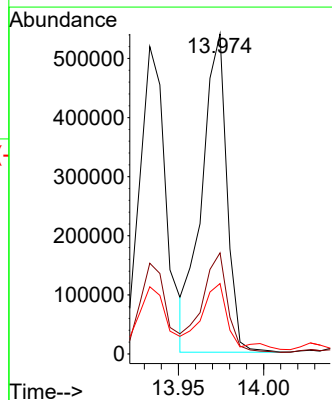
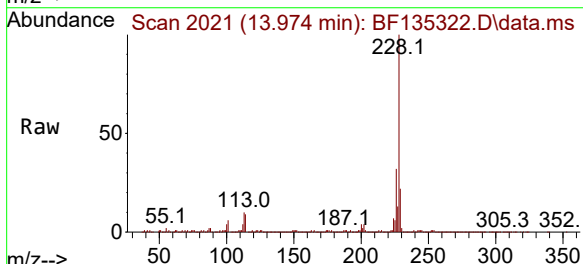
Instrument :
BNA_F
ClientSampleId :
WC-1

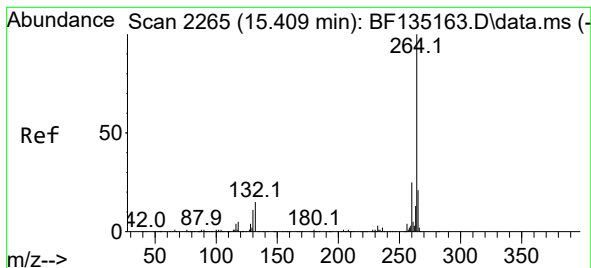
Tgt Ion:228 Resp: 556749
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 21.9 15.8 23.8



#83
Chrysene
Concen: 41.182 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135322.D
Acq: 18 Sep 2023 23:25

Tgt Ion:228 Resp: 552708
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 22.0 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1

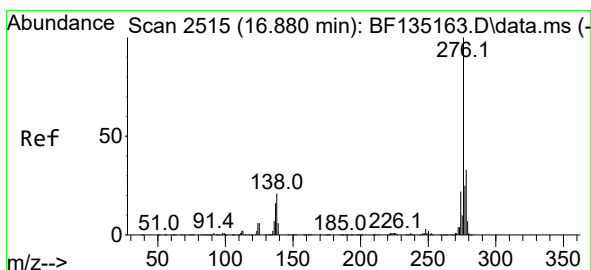
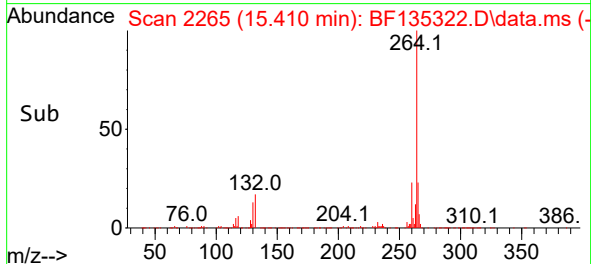
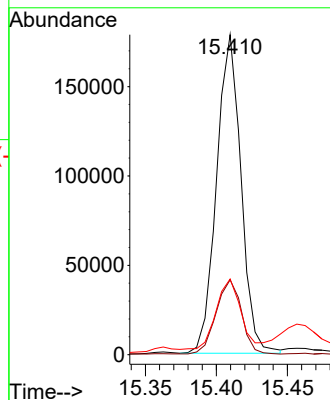
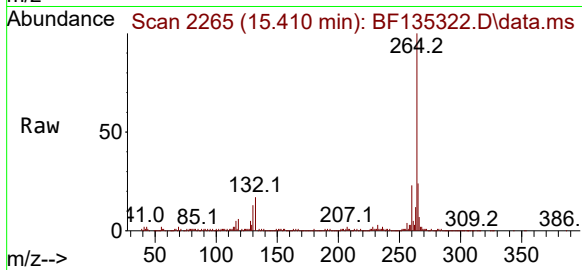
Tgt Ion:264 Resp: 213449

Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.6

265 23.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.101 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.000 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

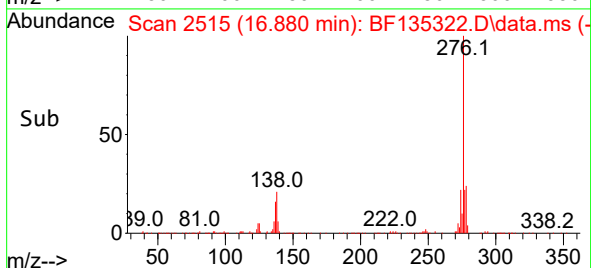
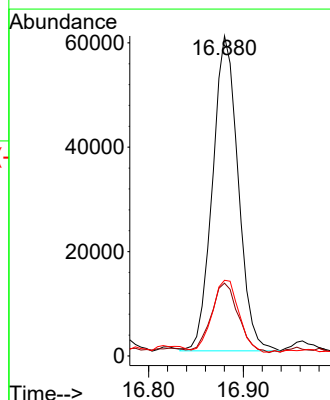
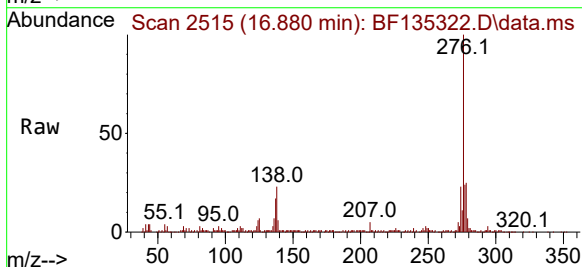
Tgt Ion:276 Resp: 113368

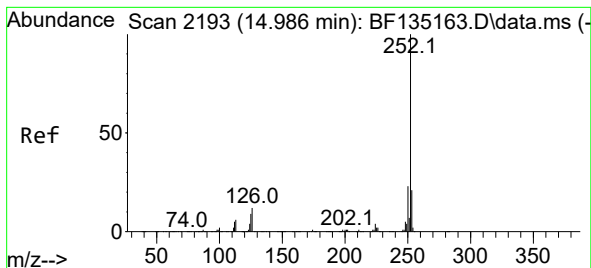
Ion Ratio Lower Upper

276 100

138 23.6 19.2 28.8

277 23.7 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 47.889 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1

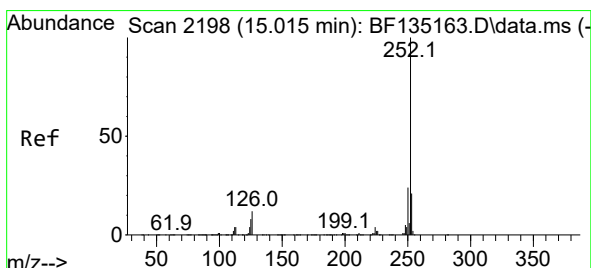
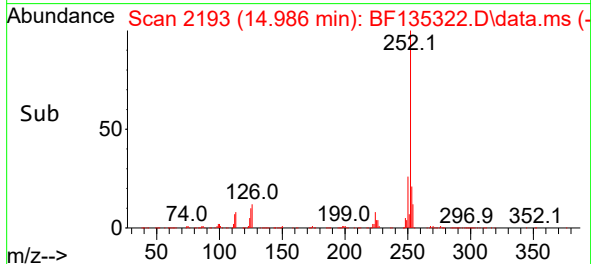
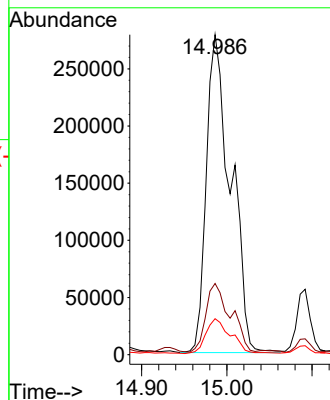
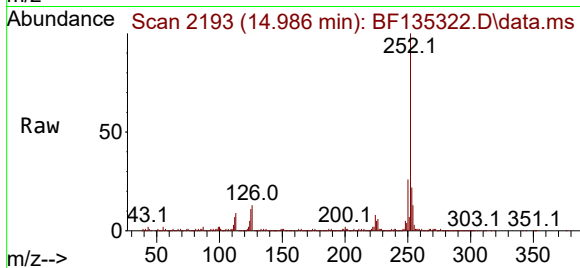
Tgt Ion:252 Resp: 553345

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 11.2 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 48.479 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

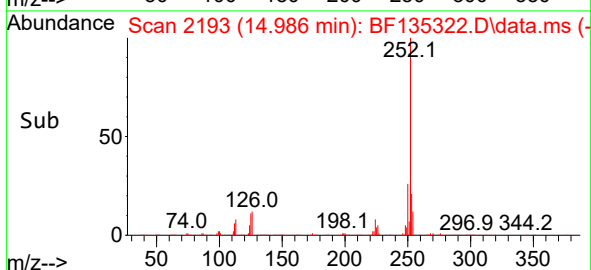
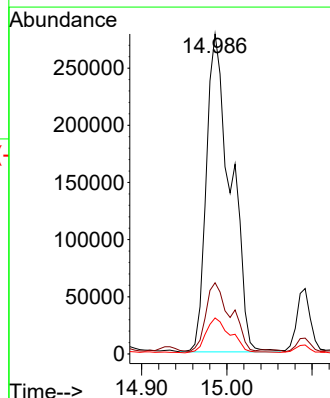
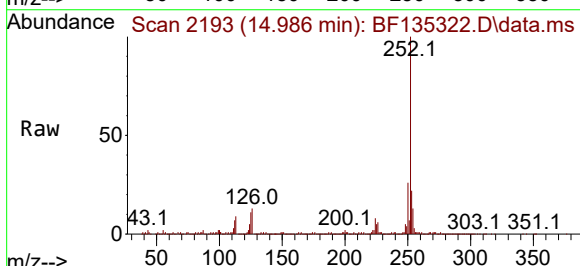
Tgt Ion:252 Resp: 553345

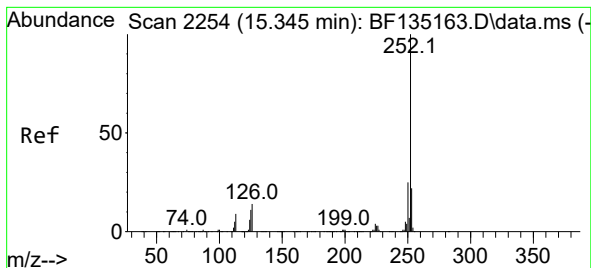
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 11.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 30.628 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1

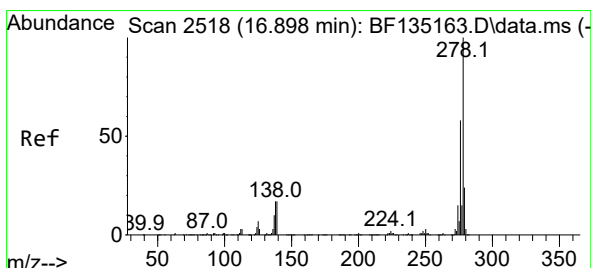
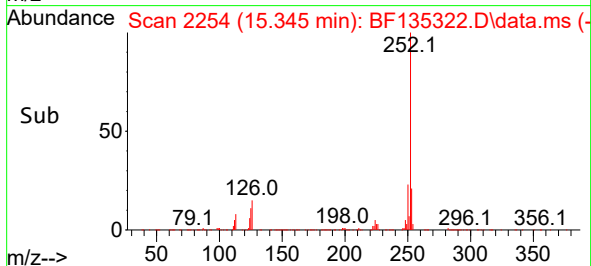
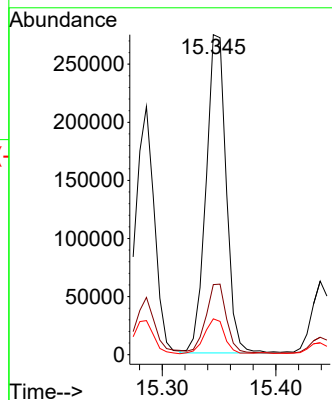
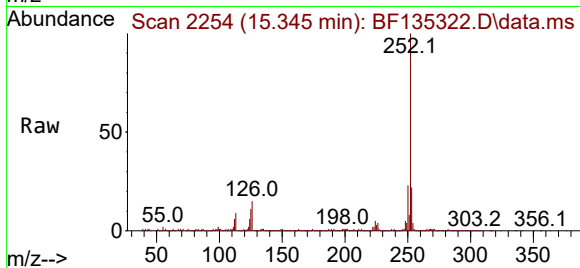
Tgt Ion:252 Resp: 337485

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.2 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 3.519 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.006 min

Lab File: BF135322.D

Acq: 18 Sep 2023 23:25

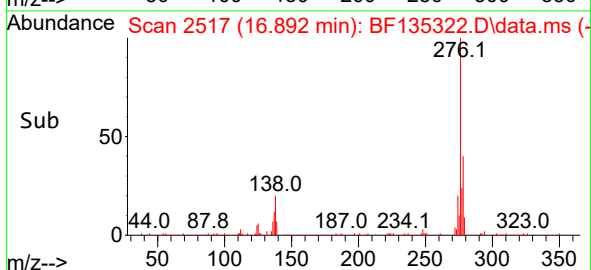
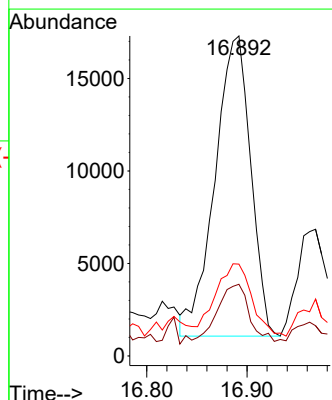
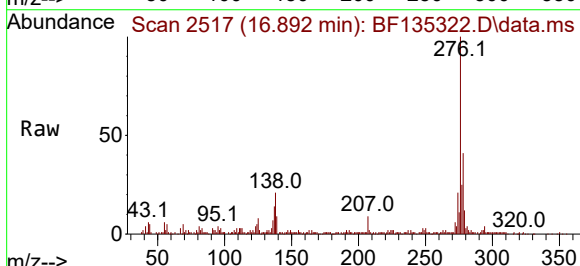
Tgt Ion:278 Resp: 40294

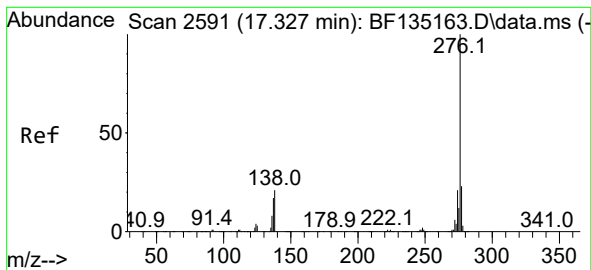
Ion Ratio Lower Upper

278 100

139 22.4 13.4 20.0#

279 28.7 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 10.266 ng

RT: 17.327 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135322.D

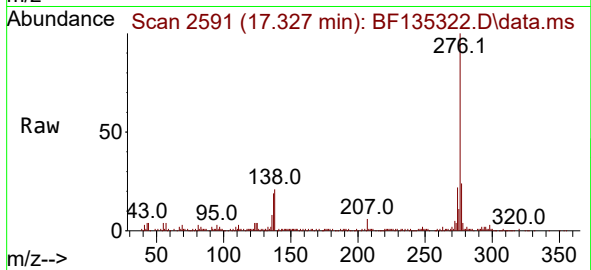
Acq: 18 Sep 2023 23:25

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 122776

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 21.1 16.9 25.3

