

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135521.D
 Acq On : 29 Sep 2023 17:46
 Operator : CG\JU
 Sample : 04637-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 30 00:23:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

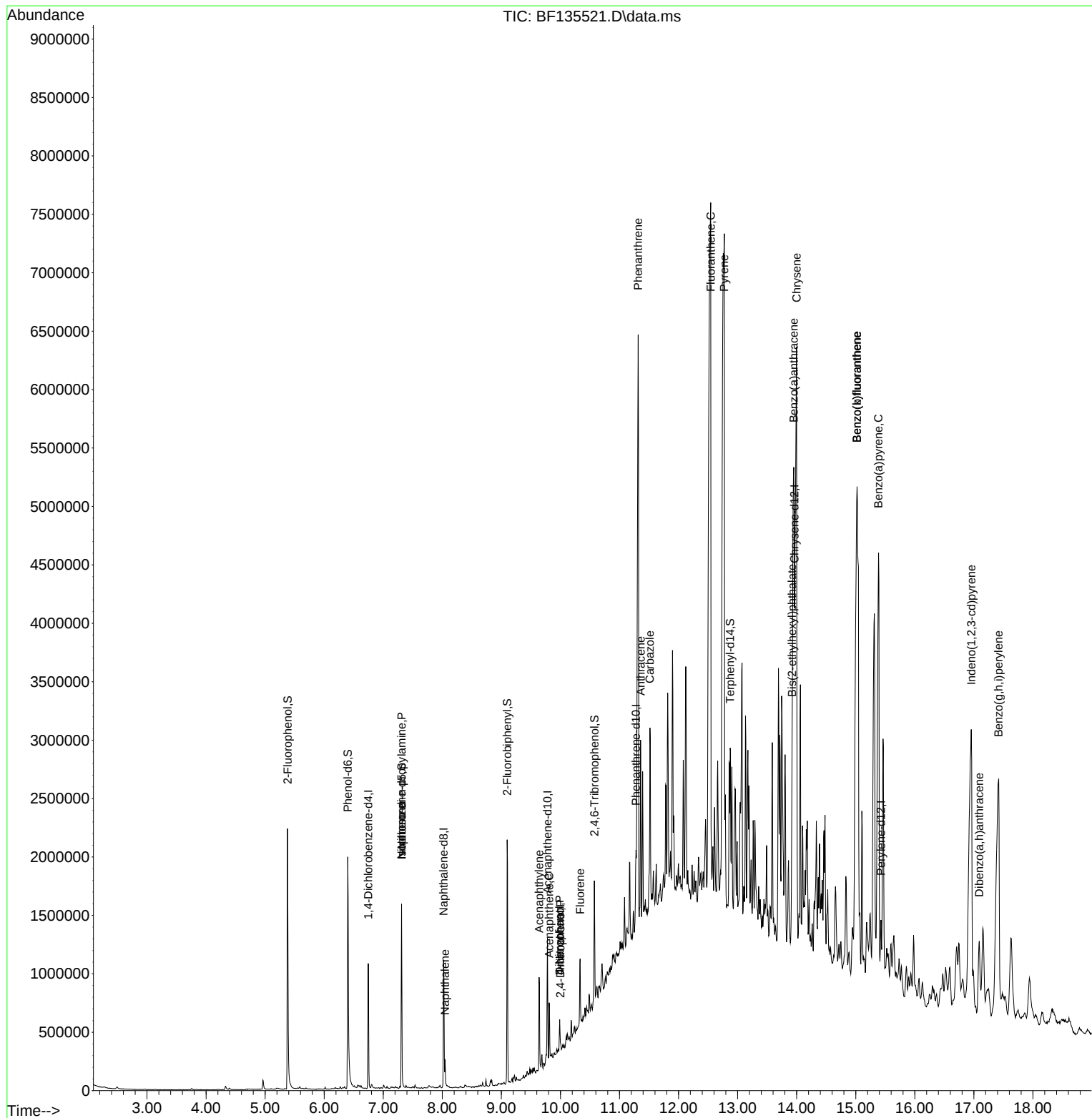
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	141838	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	462319	20.000	ng	# 0.00
39) Acenaphthene-d10	9.780	164	190034	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	331155	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	132122	20.000	ng	0.03
86) Perylene-d12	15.427	264	194773	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	639600	73.342	ng	0.00
7) Phenol-d6	6.398	99	741417	66.861	ng	0.00
23) Nitrobenzene-d5	7.310	82	437135	51.370	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	110551	58.540	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	642534	51.012	ng	-0.01
79) Terphenyl-d14	12.874	244	574478	67.404	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	57051	8.306	ng	# 78
25) Isophorone	7.310	82	437241	27.982	ng	# 65
31) Naphthalene	8.045	128	87587	3.899	ng	99
49) Acenaphthylene	9.639	152	326151	18.521	ng	100
52) Acenaphthene	9.810	154	100260	9.638	ng	94
54) 2,4-Dinitrophenol	9.998	184	54	6.279	ng	# 1
55) Dibenzofuran	9.986	168	92688	5.839	ng	98
56) 4-Nitrophenol	9.986	139	32632	15.541	ng	# 14
58) Fluorene	10.333	166	169392	13.880	ng	98
71) Phenanthrene	11.316	178	3273907	209.032	ng	98
72) Anthracene	11.357	178	632517	39.289	ng	99
73) Carbazole	11.516	167	738040	50.360	ng	99
75) Fluoranthene	12.545	202	7861367	481.705	ng	97
78) Pyrene	12.774	202	6354255	505.147	ng	98
81) Benzo(a)anthracene	13.951	228	3701531	433.868	ng	93
83) Chrysene	13.998	228	3305059	389.644	ng	95
84) Bis(2-ethylhexyl)phtha...	13.921	149	262092	57.669	ng	99
87) Indeno(1,2,3-cd)pyrene	16.956	276	2980968	233.424	ng	96
88) Benzo(b)fluoranthene	15.021	252	6015099	570.489	ng	95
89) Benzo(k)fluoranthene	15.021	252	6015099	577.522	ng	96
90) Benzo(a)pyrene	15.386	252	2948596	293.250	ng	96
91) Dibenzo(a,h)anthracene	17.092	278	402228	38.494	ng	97
92) Benzo(g,h,i)perylene	17.415	276	2932737	268.745	ng	95

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

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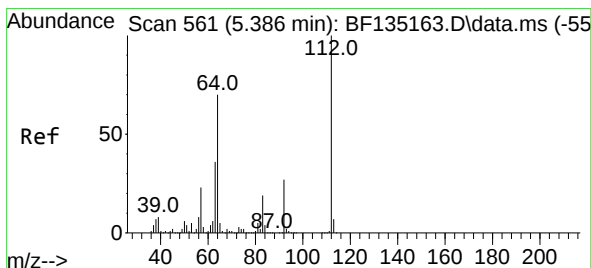
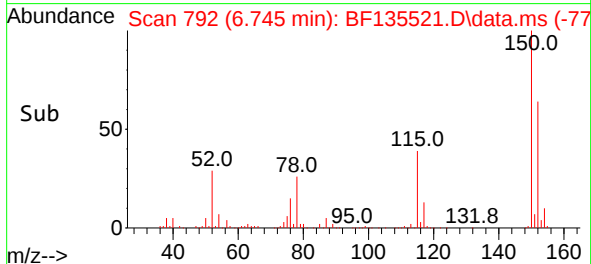
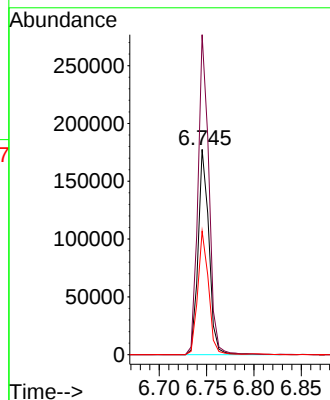
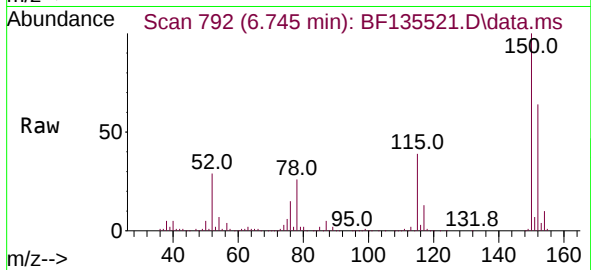




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

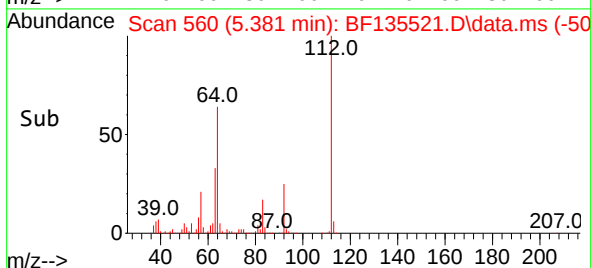
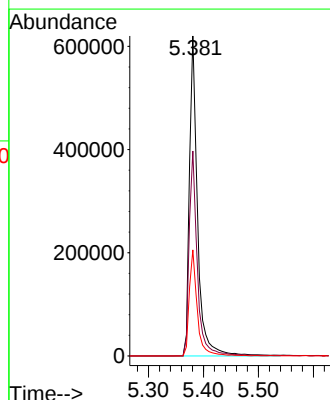
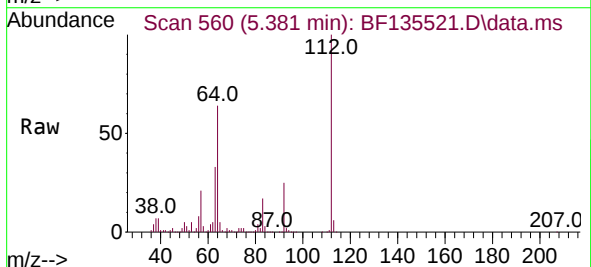
Instrument :
BNA_F
ClientSampleId :
WC-1

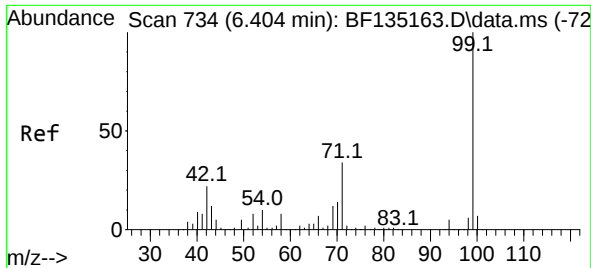
Tgt Ion:152 Resp: 141838
Ion Ratio Lower Upper
152 100
150 155.9 127.8 191.6
115 60.1 49.8 74.8



#5
2-Fluorophenol
Concen: 73.342 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

Tgt Ion:112 Resp: 639600
Ion Ratio Lower Upper
112 100
64 64.1 55.9 83.9
63 33.1 29.0 43.6

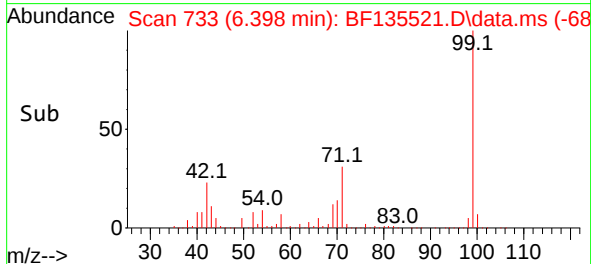
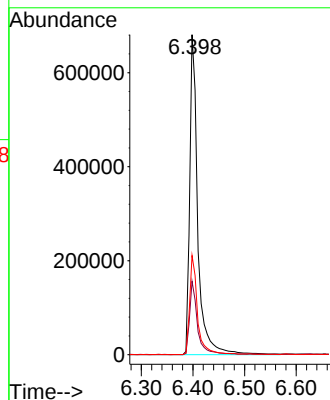
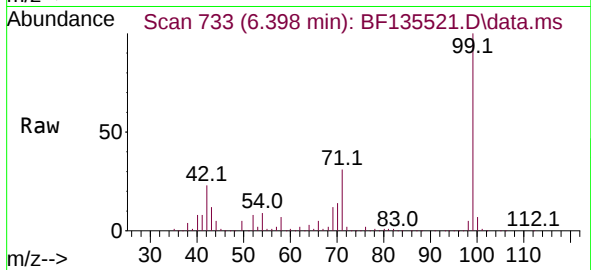




#7
Phenol-d6
Concen: 66.861 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

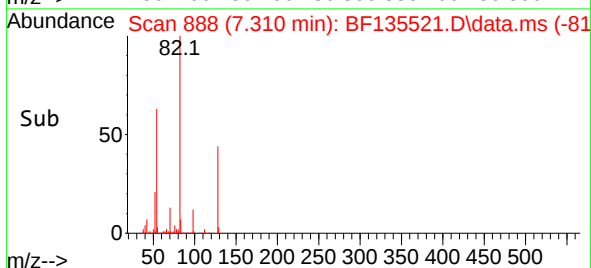
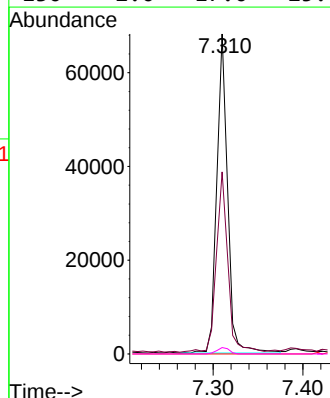
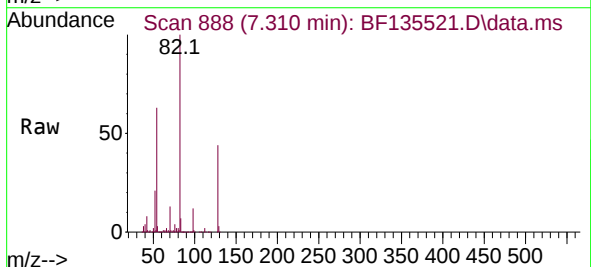
Instrument :
BNA_F
ClientSampleId :
WC-1

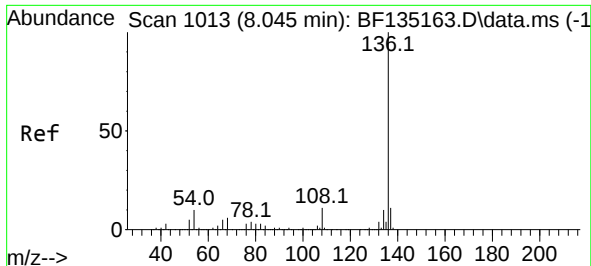
Tgt Ion: 99 Resp: 741417
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 31.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.306 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

Tgt Ion: 70 Resp: 57051
Ion Ratio Lower Upper
70 100
42 56.9 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#

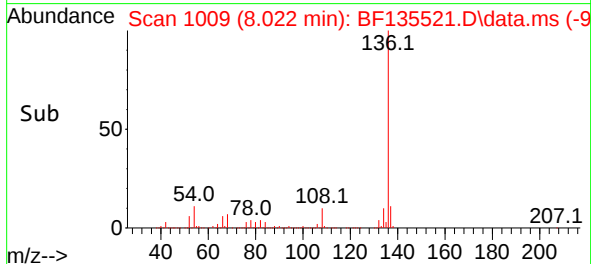
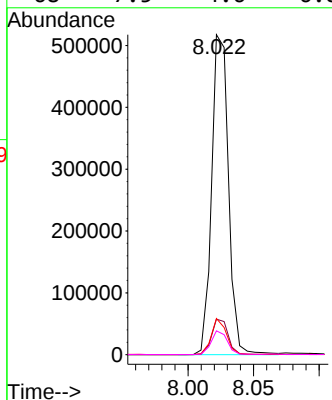
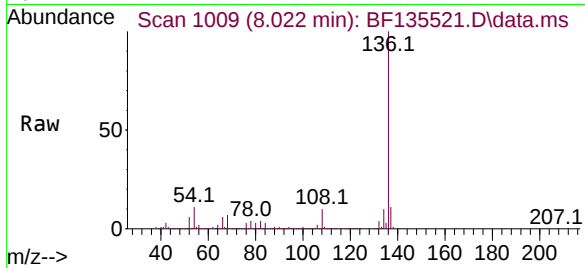




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

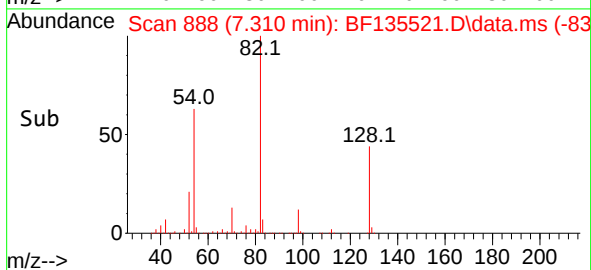
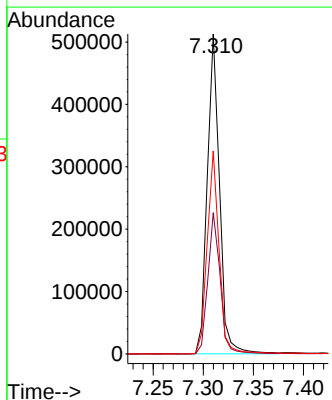
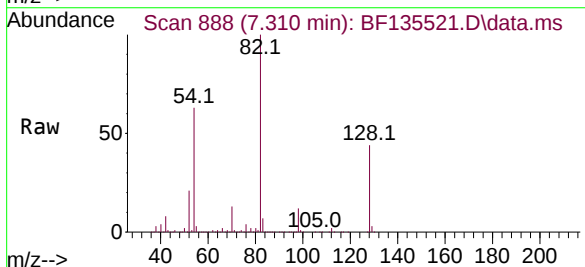
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 462319
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.3 7.7 11.5
68 7.5 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 51.370 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

Tgt Ion: 82 Resp: 437135
Ion Ratio Lower Upper
82 100
128 44.2 35.8 53.6
54 63.4 50.6 76.0

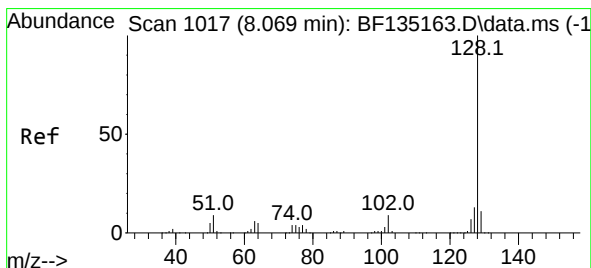
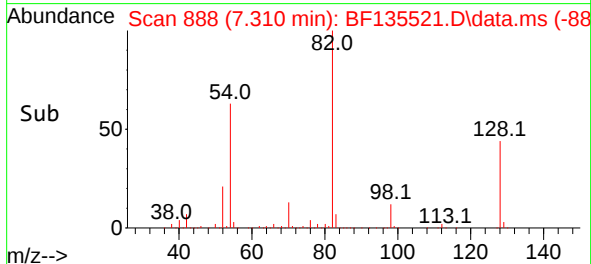
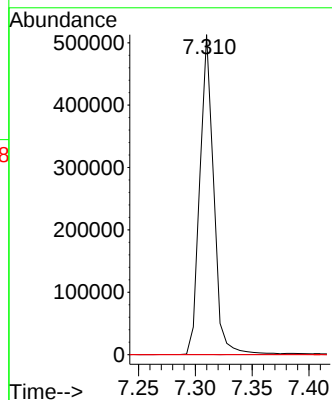
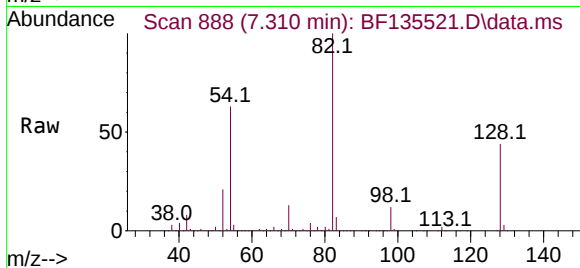




#25
Isophorone
Concen: 27.982 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

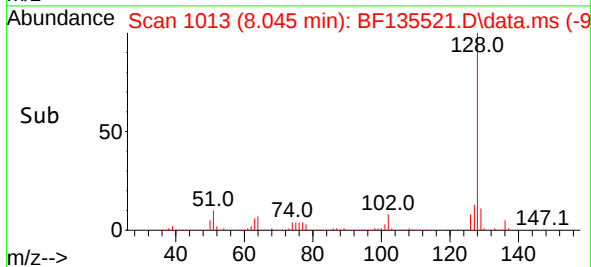
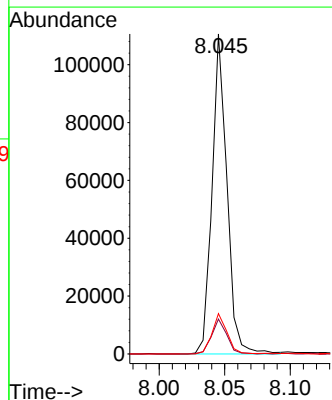
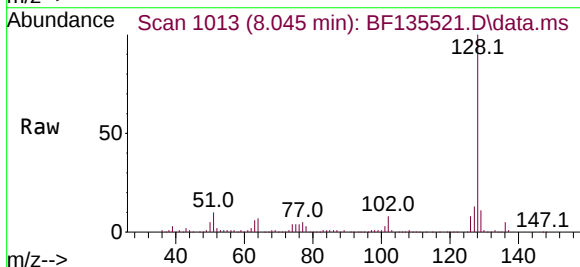
Instrument :
BNA_F
ClientSampleId :
WC-1

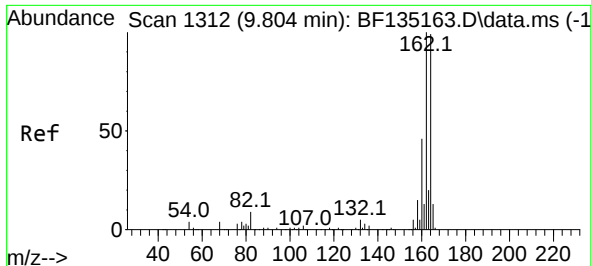
Tgt Ion: 82 Resp: 437241
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 3.899 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

Tgt Ion: 128 Resp: 87587
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.6 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

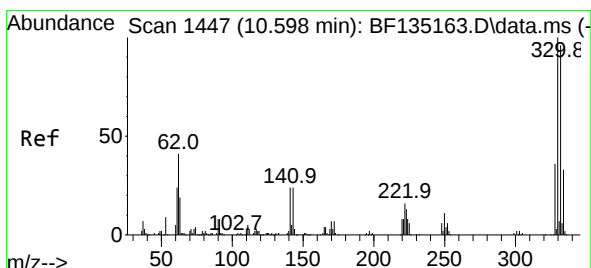
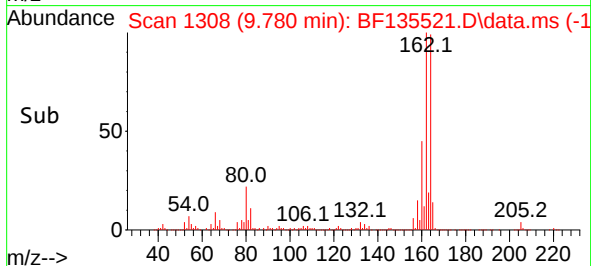
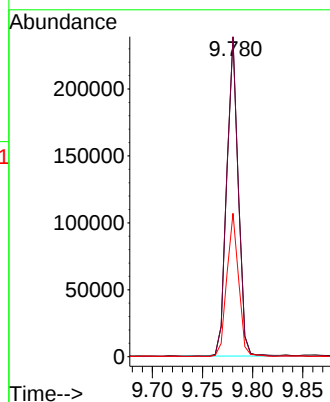
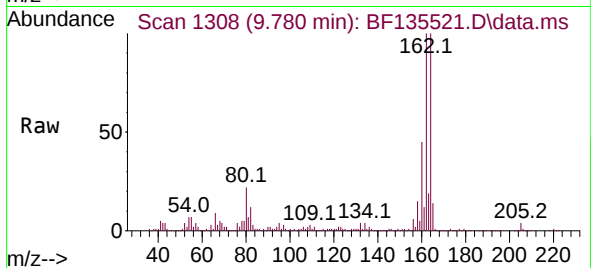
Tgt Ion:164 Resp: 190034

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.4

160 45.0 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 58.540 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

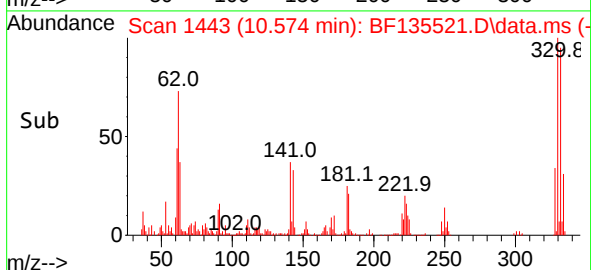
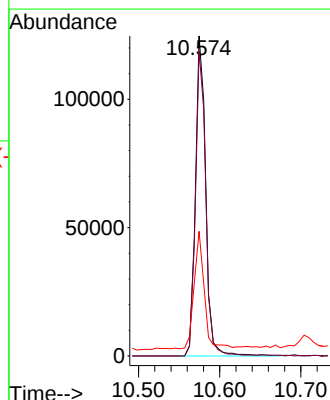
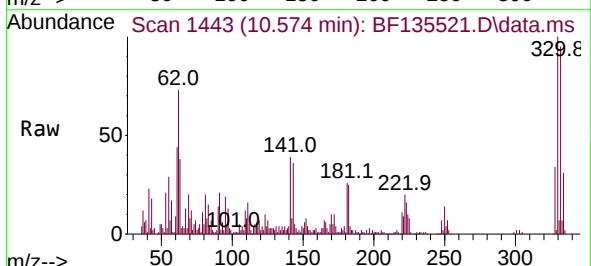
Tgt Ion:330 Resp: 110551

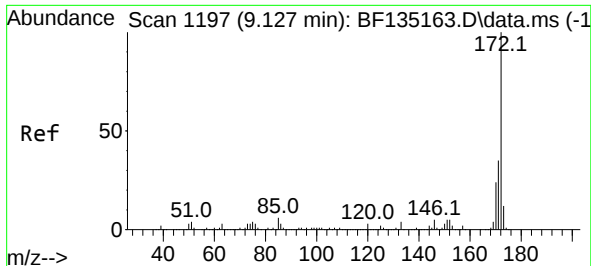
Ion Ratio Lower Upper

330 100

332 94.9 77.3 115.9

141 36.1 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 51.012 ng

RT: 9.098 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

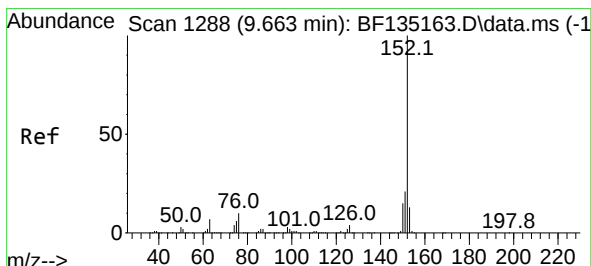
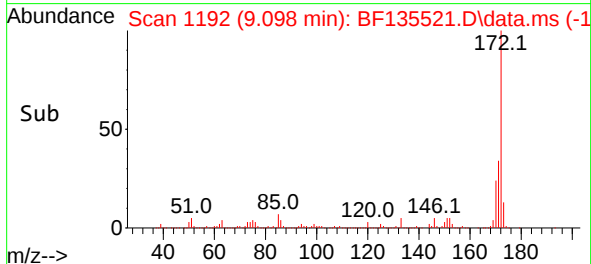
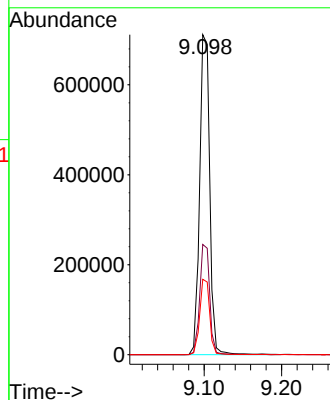
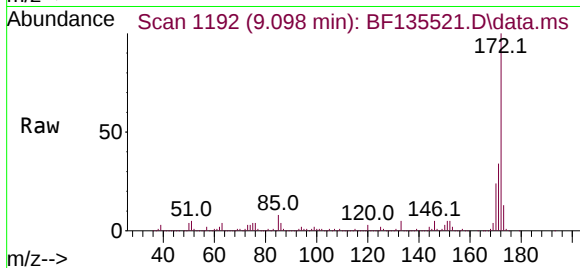
Tgt Ion:172 Resp: 642534

Ion Ratio Lower Upper

172 100

171 34.4 28.4 42.6

170 23.5 19.0 28.4



#49

Acenaphthylene

Concen: 18.521 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.012 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

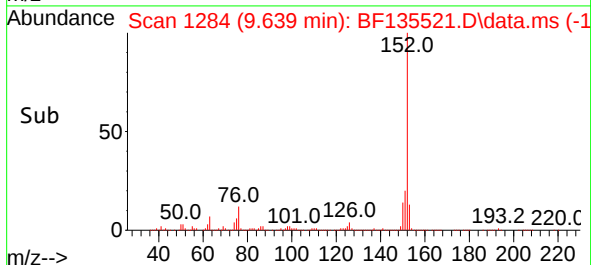
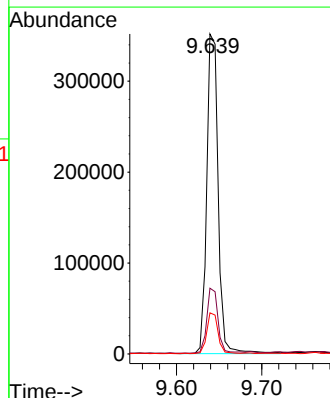
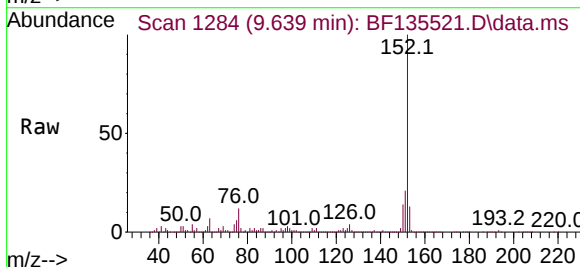
Tgt Ion:152 Resp: 326151

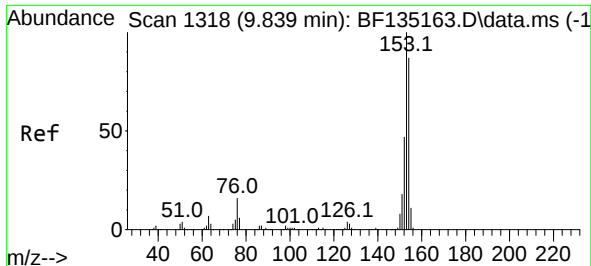
Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

153 12.9 10.4 15.6

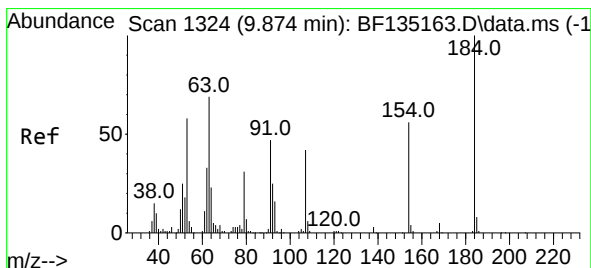
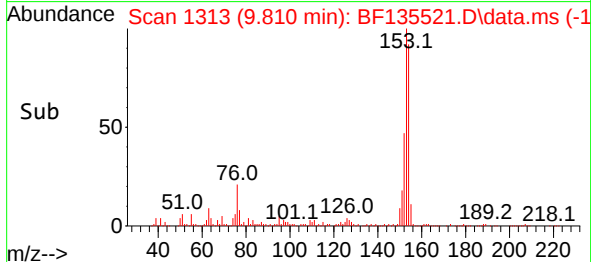
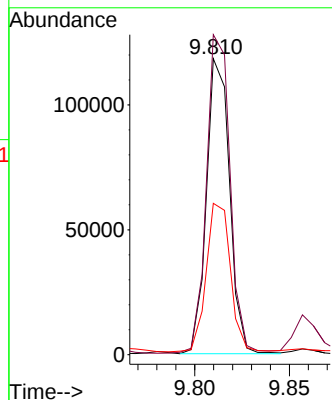
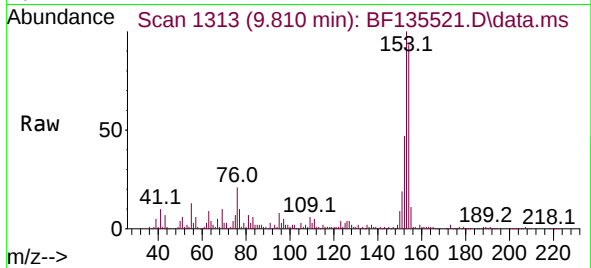




#52
Acenaphthene
Concen: 9.638 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

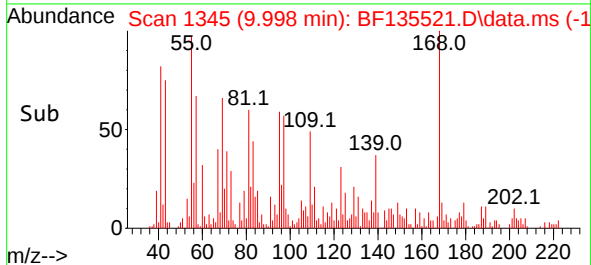
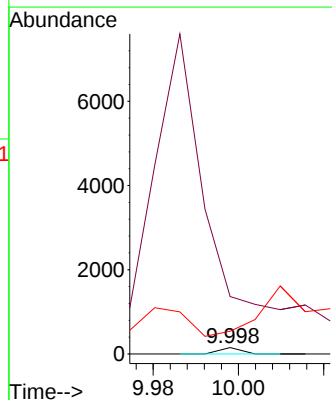
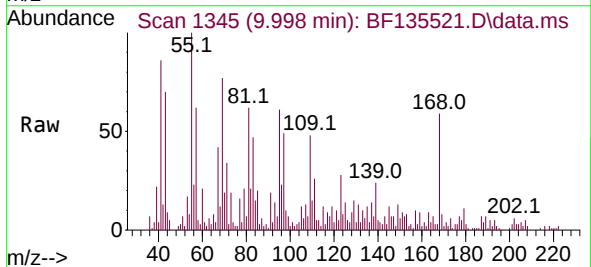
Instrument :
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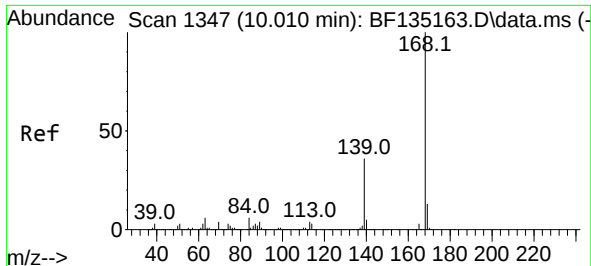
Tgt Ion:154 Resp: 100260
Ion Ratio Lower Upper
154 100
153 108.1 92.1 138.1
152 51.1 43.1 64.7



#54
2,4-Dinitrophenol
Concen: 6.279 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.129 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 892.8 55.1 82.7#
154 352.9 48.4 72.6#





#55

Dibenzenofuran

Concen: 5.839 ng

RT: 9.986 min Scan# 1343

Delta R.T. -0.006 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

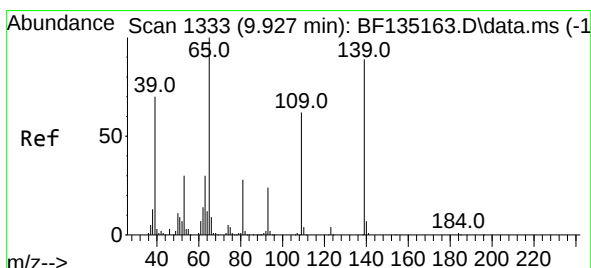
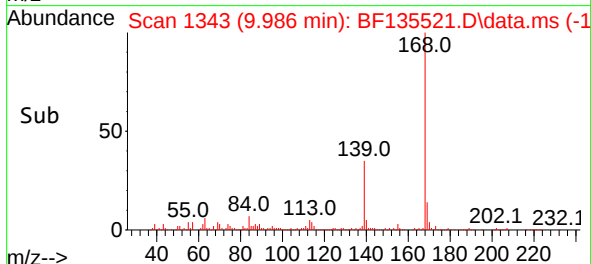
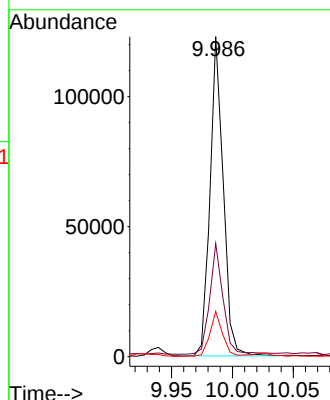
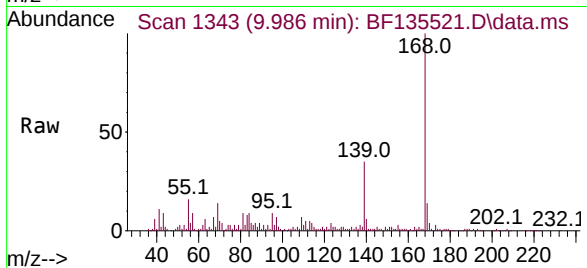
Tgt Ion:168 Resp: 92688

Ion Ratio Lower Upper

168 100

139 35.3 29.0 43.6

169 14.1 10.4 15.6



#56

4-Nitrophenol

Concen: 15.541 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.053 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

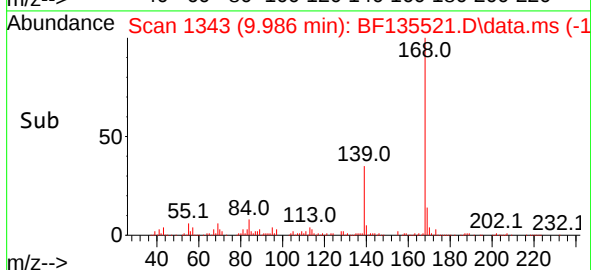
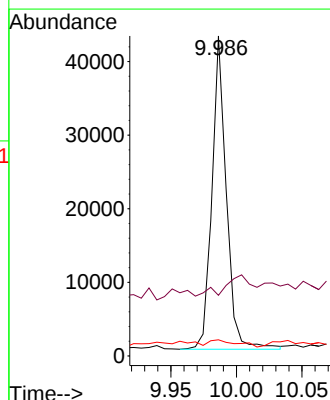
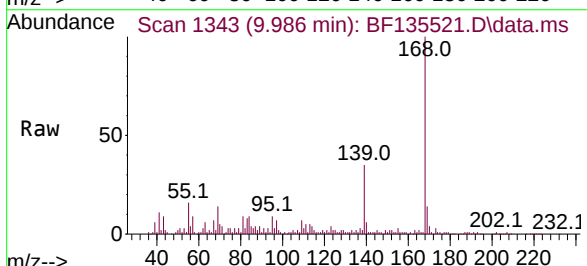
Tgt Ion:139 Resp: 32632

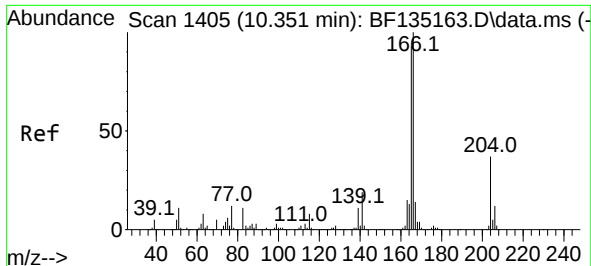
Ion Ratio Lower Upper

139 100

109 19.0 49.8 89.8#

65 5.1 92.7 132.7#

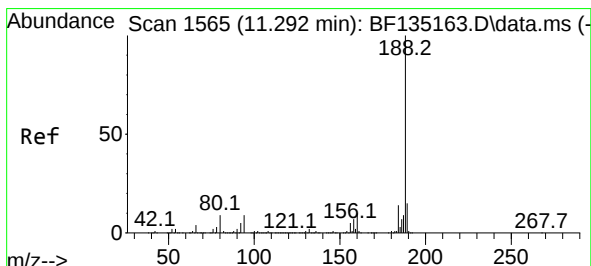
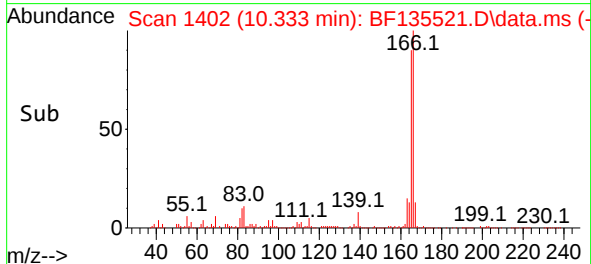
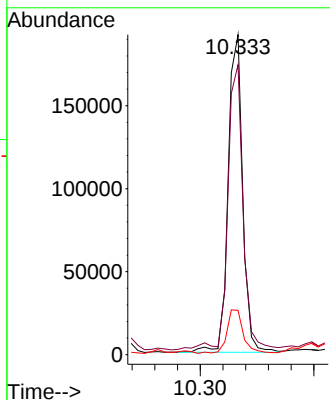
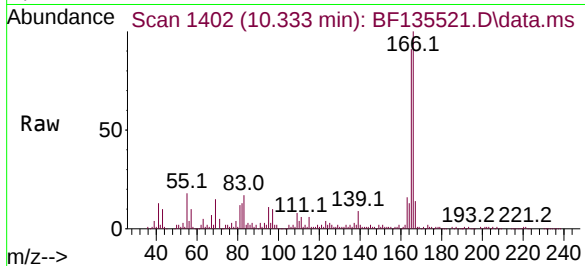




#58
Fluorene
Concen: 13.880 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

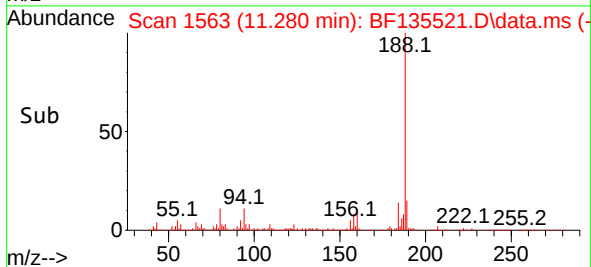
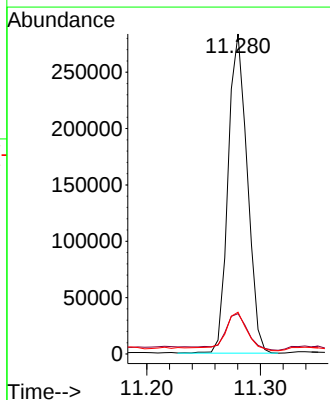
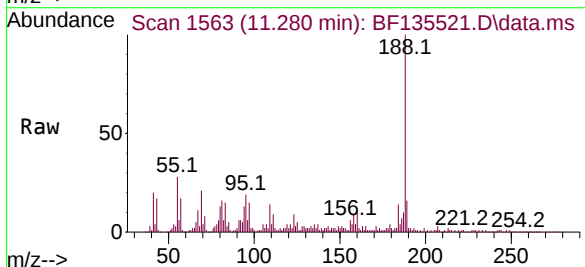
Instrument :
BNA_F
ClientSampleId :
WC-1

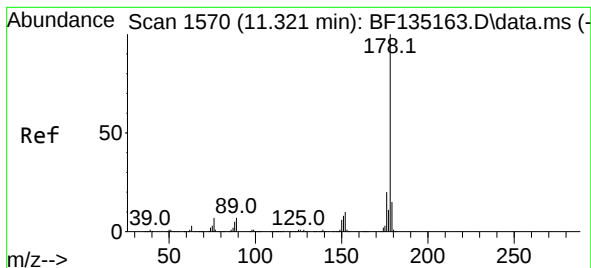
Tgt Ion:166 Resp: 169392
Ion Ratio Lower Upper
166 100
165 90.6 74.3 111.5
167 13.8 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. 0.006 min
Lab File: BF135521.D
Acq: 29 Sep 2023 17:46

Tgt Ion:188 Resp: 331155
Ion Ratio Lower Upper
188 100
94 12.6 7.0 10.6#
80 13.1 7.5 11.3#





#71

Phenanthrene

Concen: 209.032 ng

RT: 11.316 min Scan# 1569

Delta R.T. 0.012 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

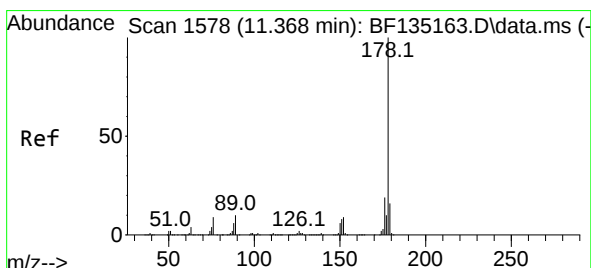
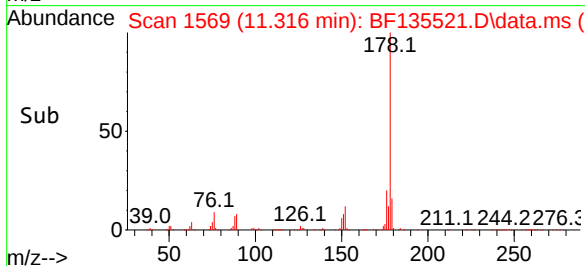
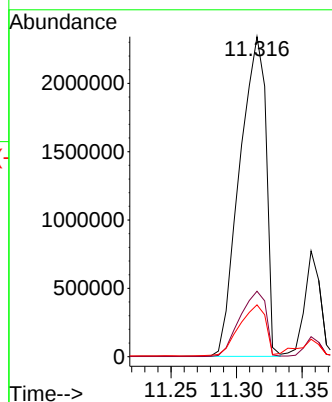
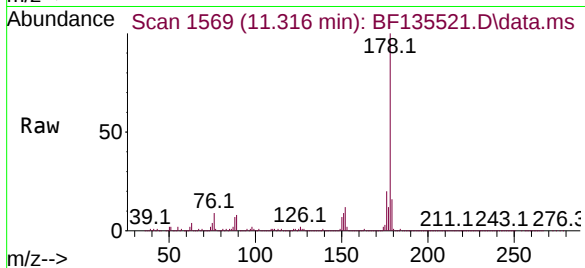
Tgt Ion:178 Resp: 3273907

Ion Ratio Lower Upper

178 100

176 20.5 15.6 23.4

179 16.2 12.0 18.0



#72

Anthracene

Concen: 39.289 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.000 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

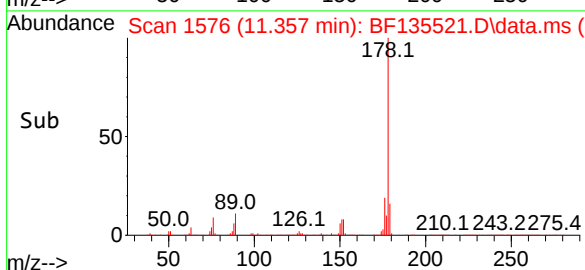
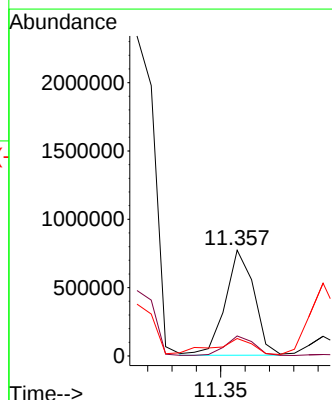
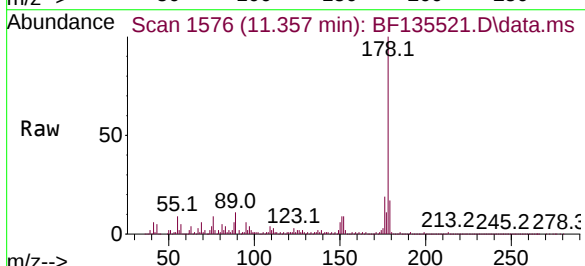
Tgt Ion:178 Resp: 632517

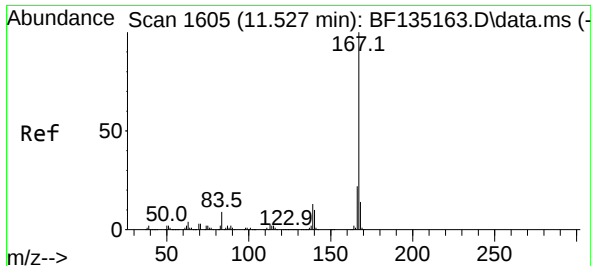
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 16.6 12.6 19.0

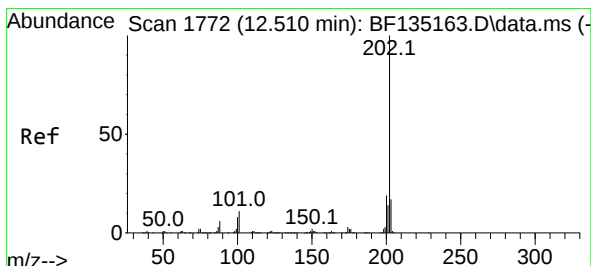
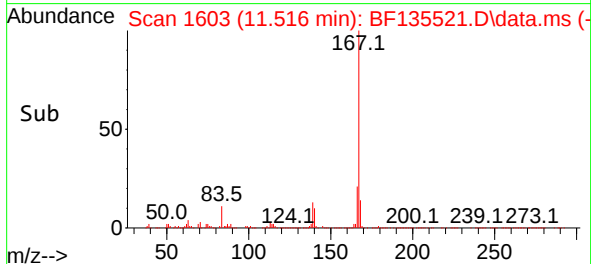
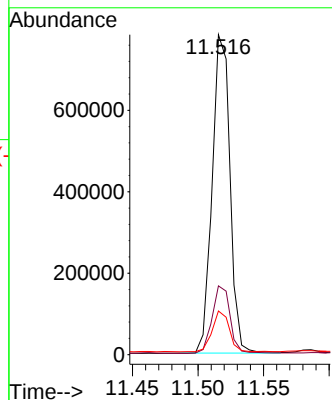
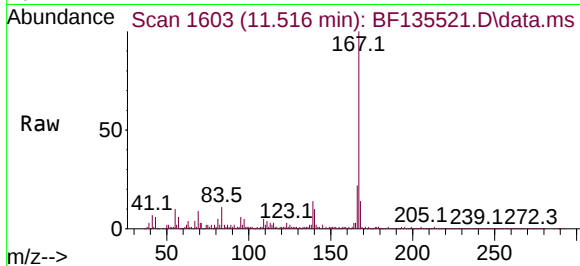




#73
 Carbazole
 Concen: 50.360 ng
 RT: 11.516 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF135521.D
 Acq: 29 Sep 2023 17:46

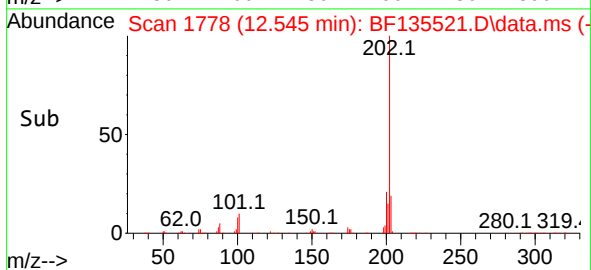
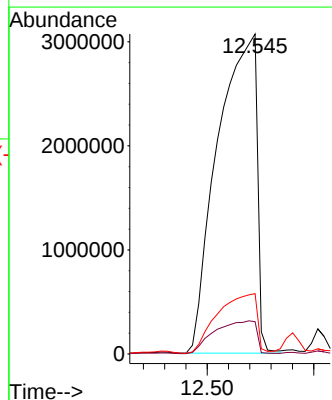
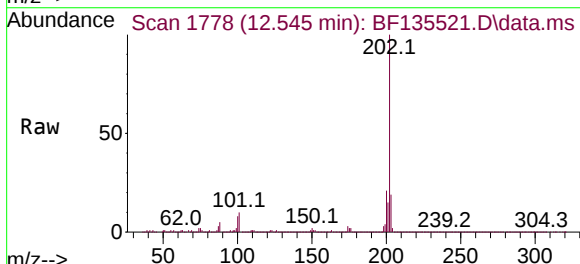
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

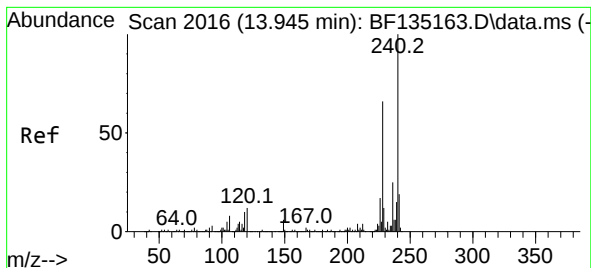
Tgt Ion:167 Resp: 738040
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.7 10.6 15.8



#75
 Fluoranthene
 Concen: 481.705 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.047 min
 Lab File: BF135521.D
 Acq: 29 Sep 2023 17:46

Tgt Ion:202 Resp: 7861367
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.3
 203 18.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

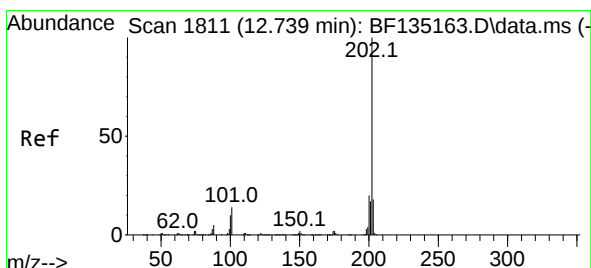
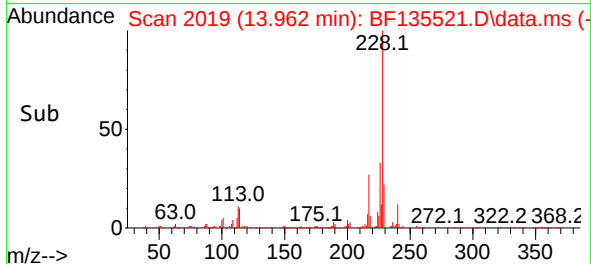
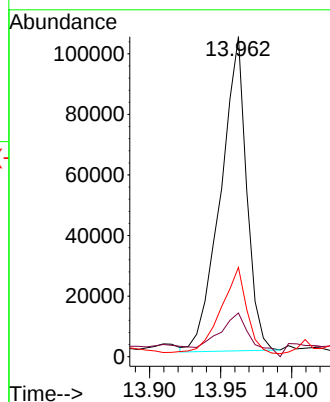
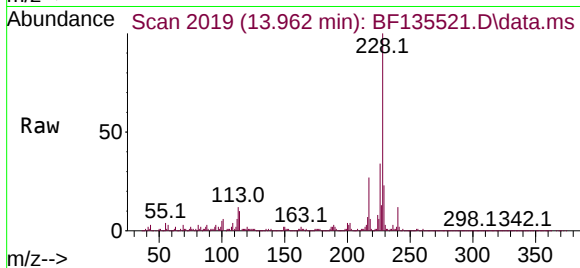
Tgt Ion:240 Resp: 132122

Ion Ratio Lower Upper

240 100

120 13.6 9.4 14.2

236 27.9 19.8 29.8



#78

Pyrene

Concen: 505.147 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.047 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

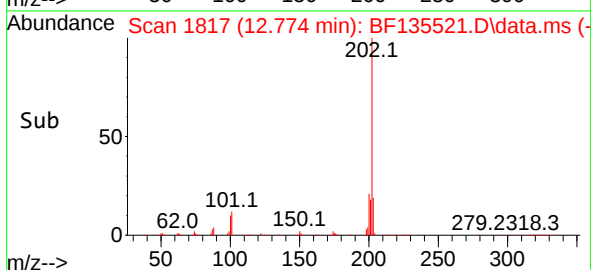
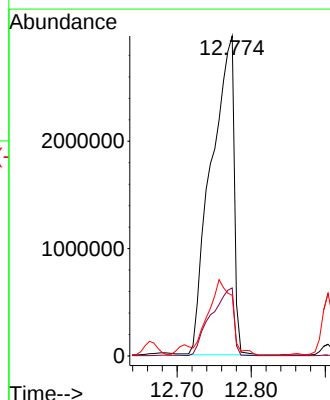
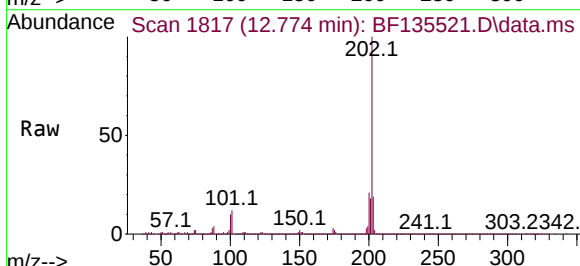
Tgt Ion:202 Resp: 6354255

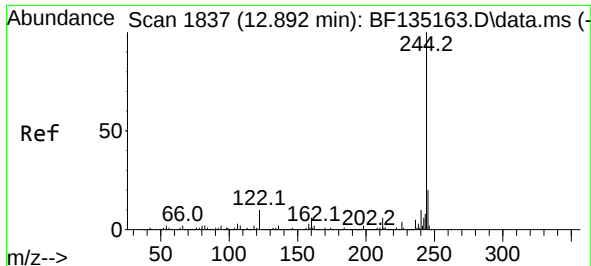
Ion Ratio Lower Upper

202 100

200 21.2 16.2 24.2

203 19.0 14.2 21.4

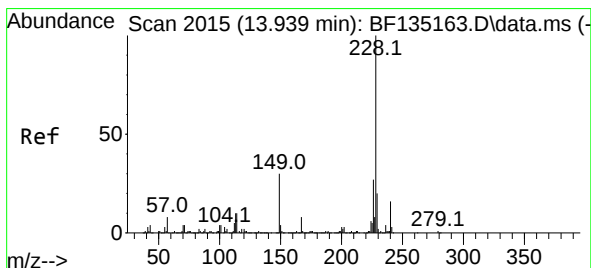
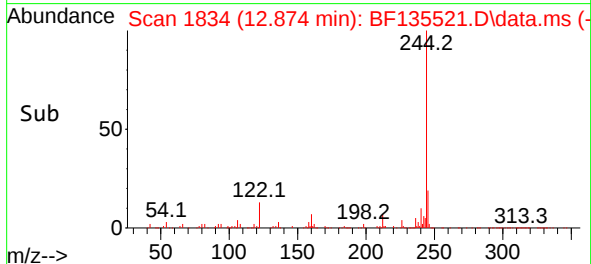
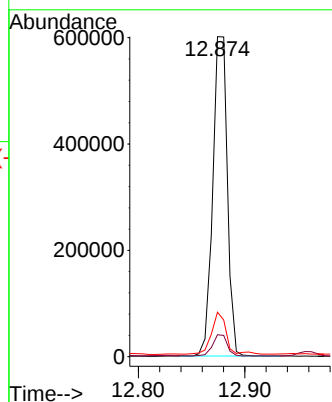
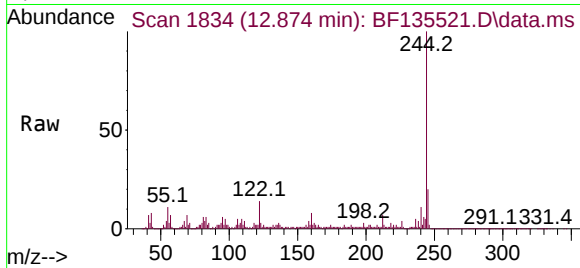




#79
 Terphenyl-d14
 Concen: 67.404 ng
 RT: 12.874 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF135521.D
 Acq: 29 Sep 2023 17:46

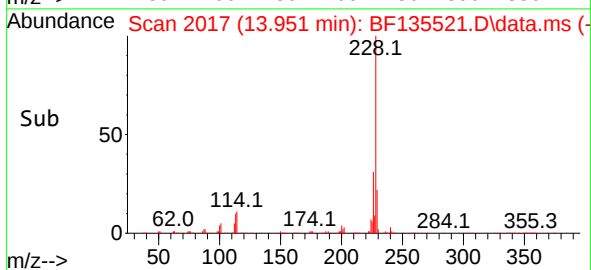
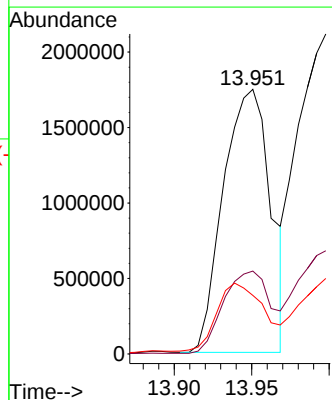
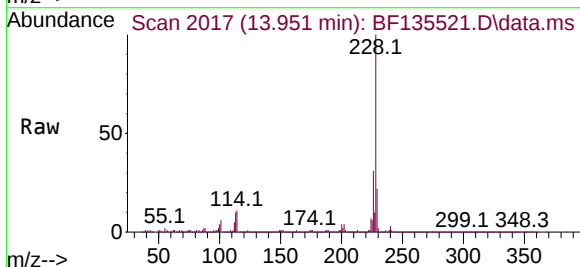
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

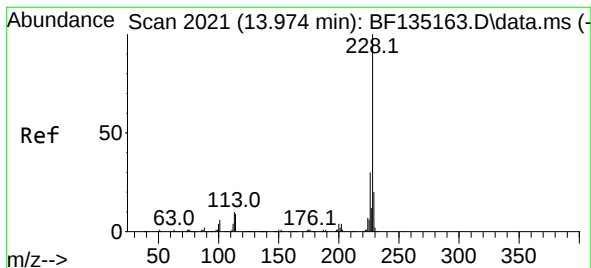
Tgt Ion:244 Resp: 574478
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 13.9 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 433.868 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.029 min
 Lab File: BF135521.D
 Acq: 29 Sep 2023 17:46

Tgt Ion:228 Resp: 3701531
 Ion Ratio Lower Upper
 228 100
 226 31.3 21.7 32.5
 229 22.1 15.8 23.8





#83

Chrysene

Concen: 389.644 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

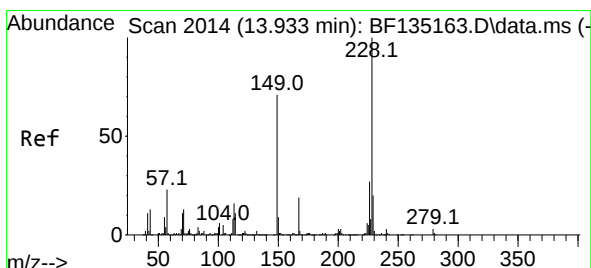
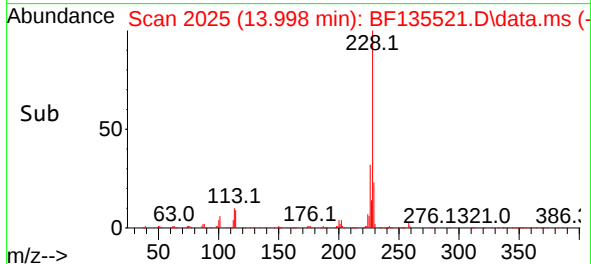
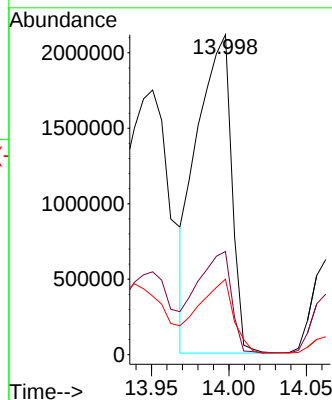
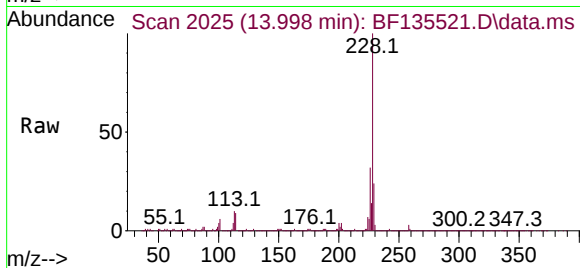
Tgt Ion:228 Resp: 3305059

Ion Ratio Lower Upper

228 100

226 32.3 24.3 36.5

229 23.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.669 ng

RT: 13.921 min Scan# 2012

Delta R.T. 0.012 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

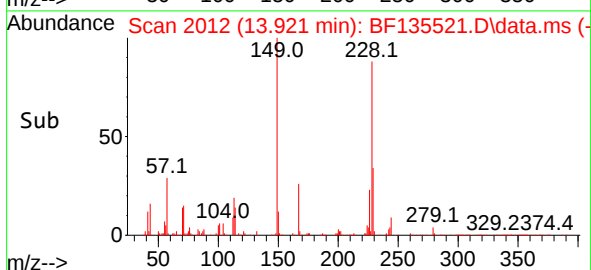
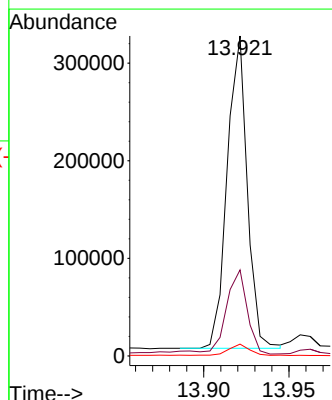
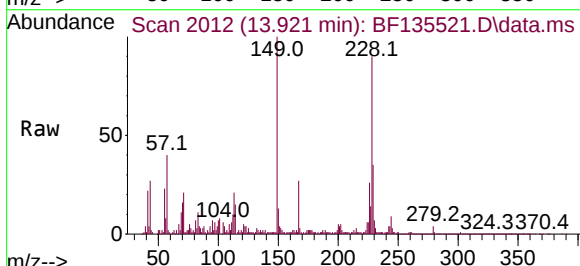
Tgt Ion:149 Resp: 262092

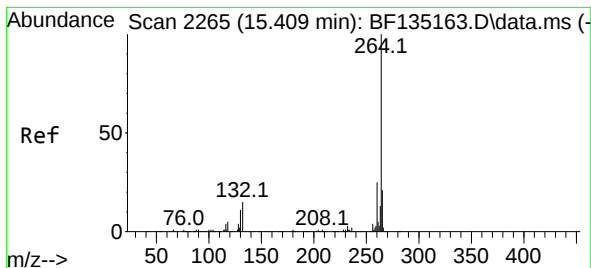
Ion Ratio Lower Upper

149 100

167 26.9 21.9 32.9

279 3.7 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

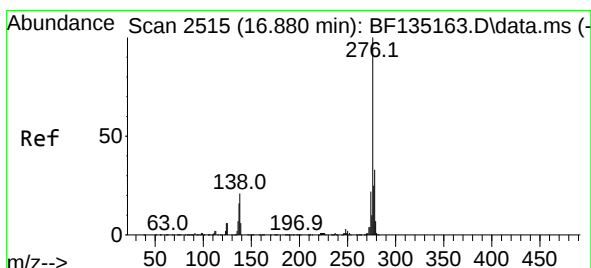
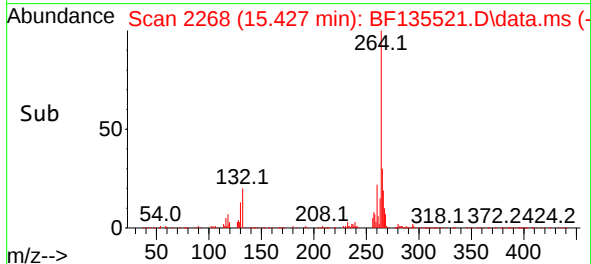
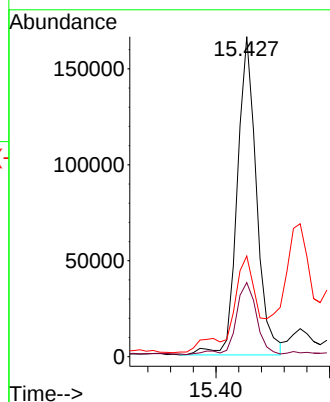
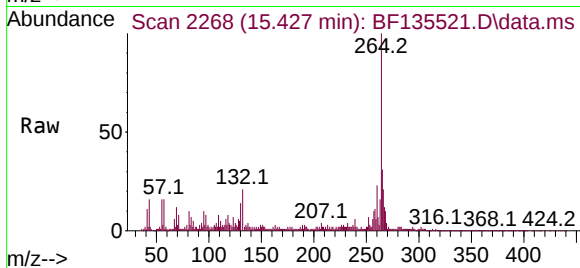
Tgt Ion:264 Resp: 194773

Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 31.4 17.0 25.4#



#87

Indeno(1,2,3-cd)pyrene

Concen: 233.424 ng

RT: 16.956 min Scan# 2528

Delta R.T. 0.076 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

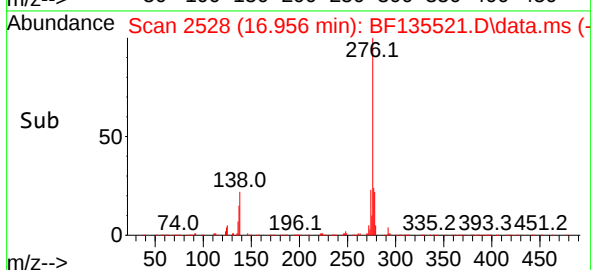
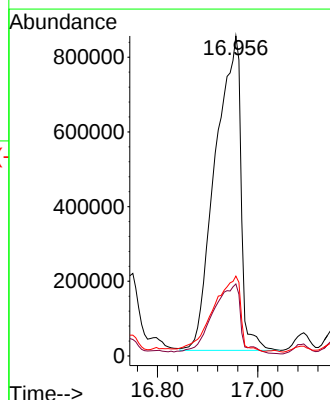
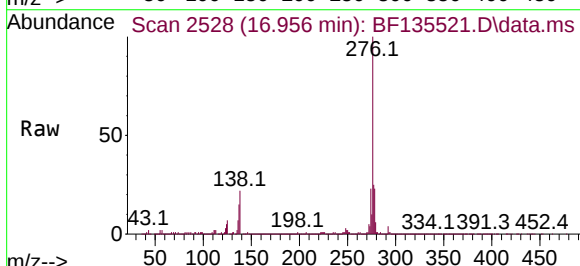
Tgt Ion:276 Resp: 2980968

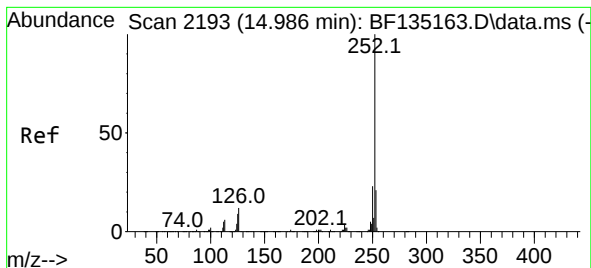
Ion Ratio Lower Upper

276 100

138 21.7 19.2 28.8

277 25.8 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 570.489 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.053 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

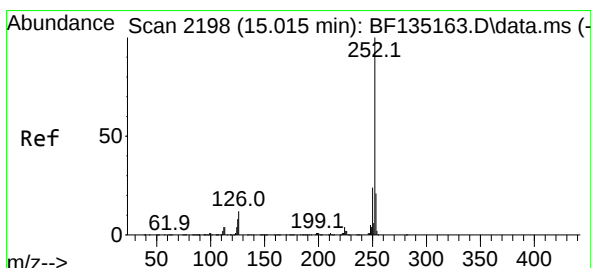
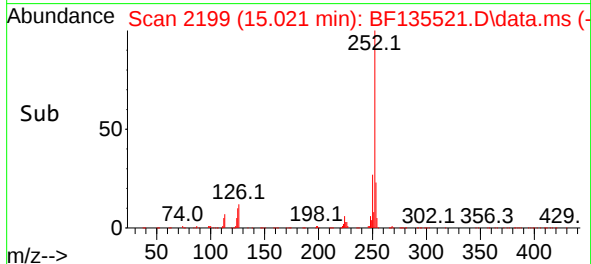
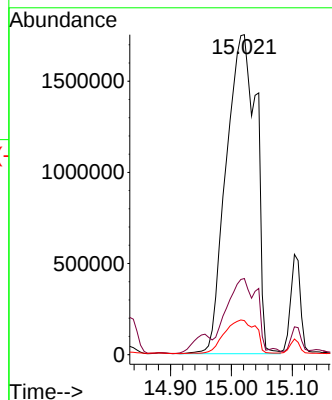
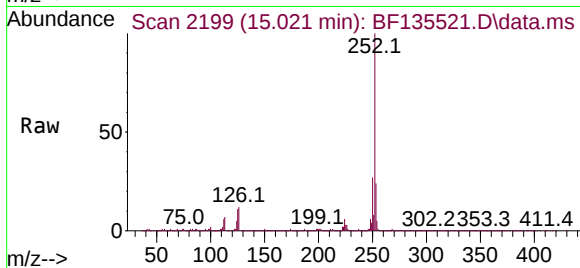
Tgt Ion:252 Resp: 6015099

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 10.7 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 577.522 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.023 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

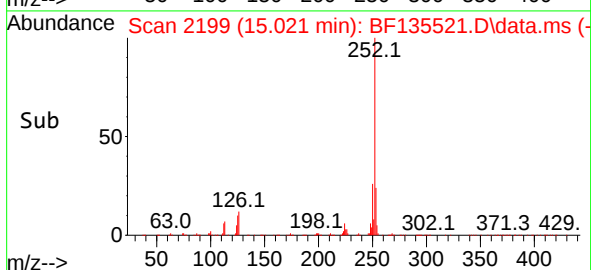
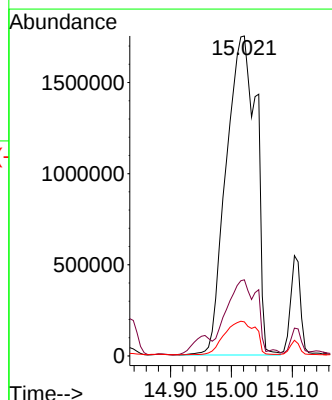
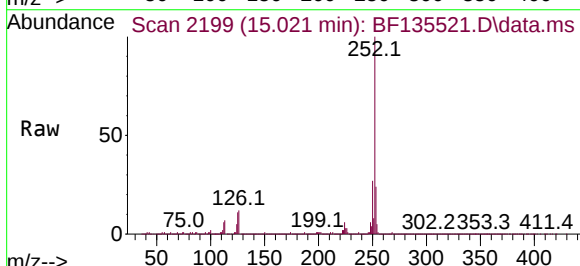
Tgt Ion:252 Resp: 6015099

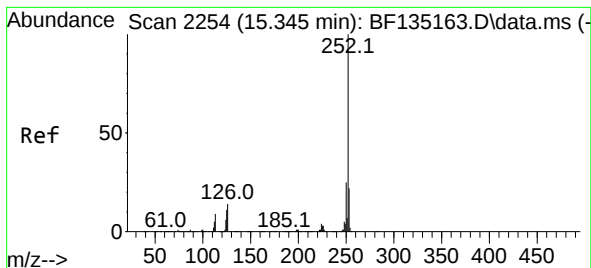
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 10.7 7.2 10.8





#90

Benzo(a)pyrene

Concen: 293.250 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1

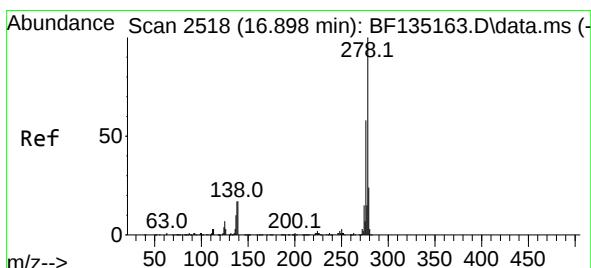
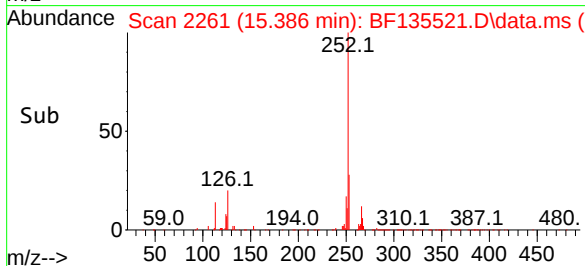
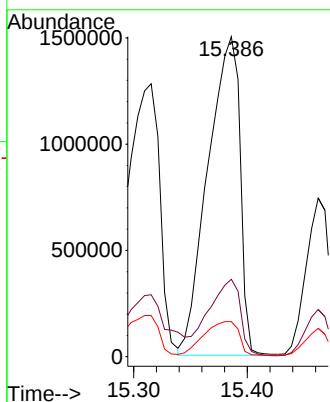
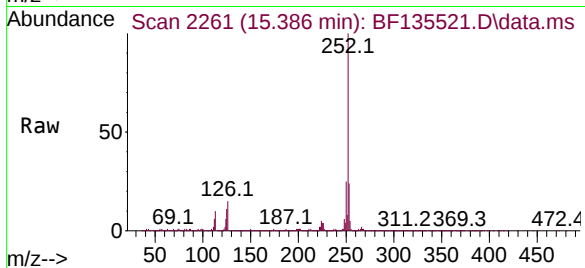
Tgt Ion:252 Resp: 2948596

Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 10.9 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 38.494 ng

RT: 17.092 min Scan# 2551

Delta R.T. 0.206 min

Lab File: BF135521.D

Acq: 29 Sep 2023 17:46

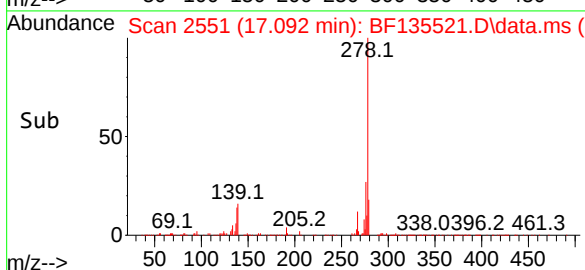
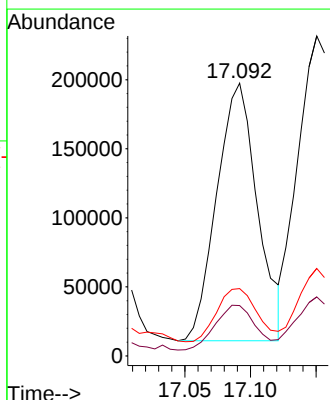
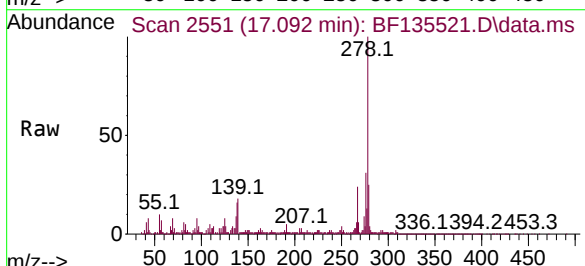
Tgt Ion:278 Resp: 402228

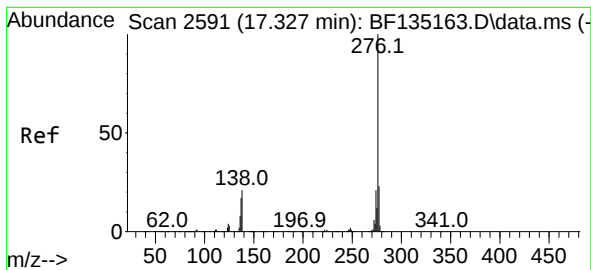
Ion Ratio Lower Upper

278 100

139 18.5 13.4 20.0

279 24.7 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 268.745 ng

RT: 17.415 min Scan# 20

Delta R.T. 0.094 min

Lab File: BF135521.D

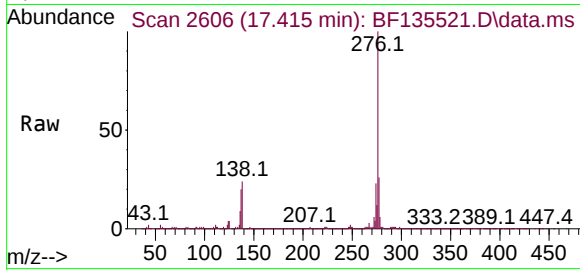
Acq: 29 Sep 2023 17:46

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 2932737

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 23.7 16.9 25.3

