

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135674.D
 Acq On : 10 Oct 2023 03:18
 Operator : CG\JU
 Sample : 04784-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-10052023

Quant Time: Oct 10 04:24:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

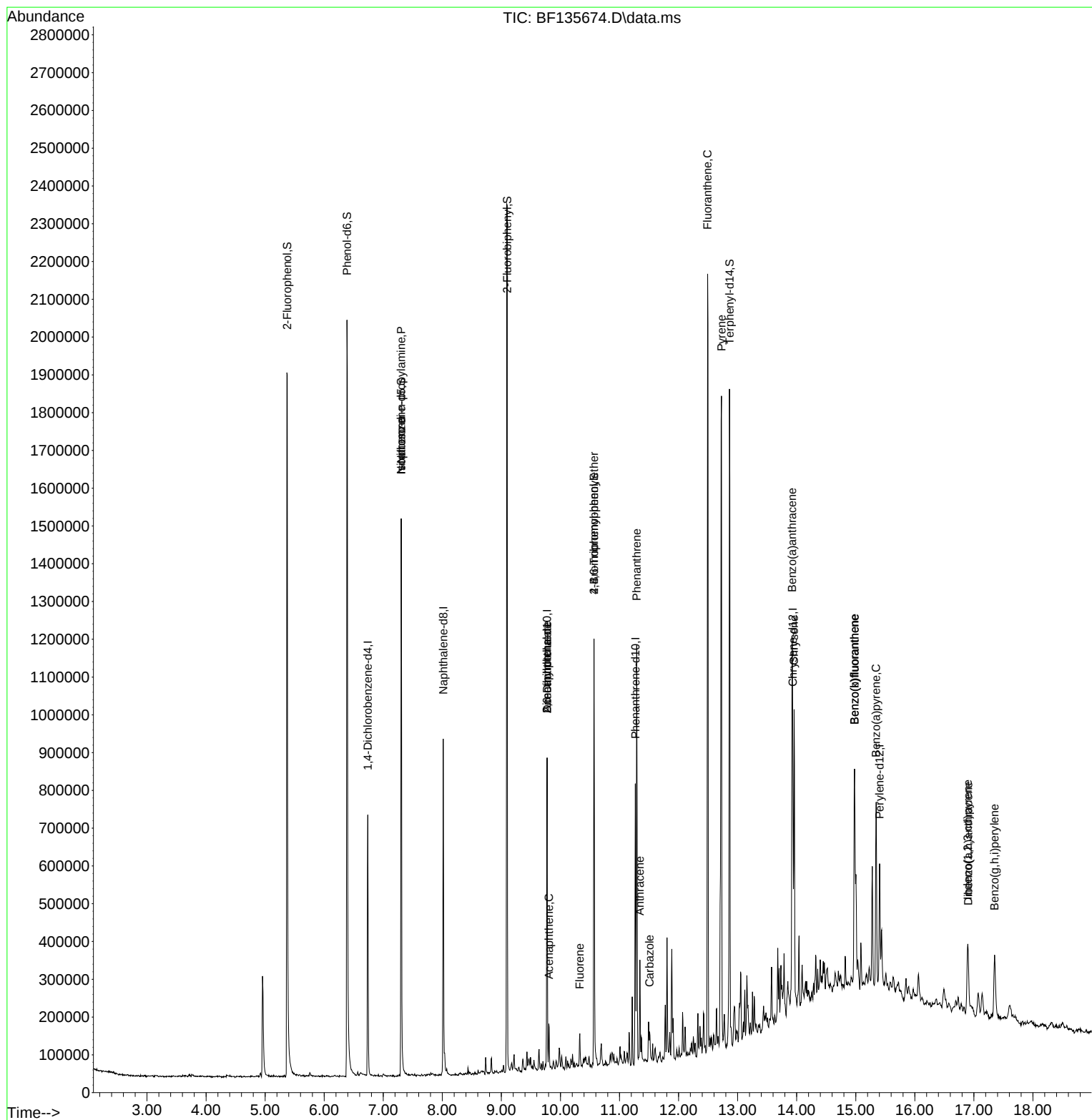
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	101049	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	368119	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	156269	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	252582	20.000	ng	0.00
76) Chrysene-d12	13.933	240	172272	20.000	ng	0.00
86) Perylene-d12	15.404	264	148639	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	576210	92.745	ng	0.00
7) Phenol-d6	6.387	99	722908	91.507	ng	0.00
23) Nitrobenzene-d5	7.304	82	443671	65.480	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	124253	80.012	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	751184	72.524	ng	0.00
79) Terphenyl-d14	12.863	244	626458	56.372	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	57552	11.761	ng	# 84
25) Isophorone	7.304	82	443667	35.659	ng	# 65
50) Dimethylphthalate	9.775	163	29728	2.814	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	20686	8.937	ng	# 17
52) Acenaphthene	9.804	154	24862	2.906	ng	96
58) Fluorene	10.328	166	27334	2.724	ng	93
67) 4-Bromophenyl-phenylether	10.569	248	7991	3.181	ng	# 1
71) Phenanthrene	11.292	178	387476	32.436	ng	99
72) Anthracene	11.345	178	103447	8.425	ng	100
73) Carbazole	11.510	167	25504	2.282	ng	97
75) Fluoranthene	12.492	202	892814	71.725	ng	99
78) Pyrene	12.727	202	795800	48.520	ng	99
81) Benzo(a)anthracene	13.921	228	361003	32.452	ng	99
83) Chrysene	13.957	228	310063	28.035	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	142912	14.664	ng	94
88) Benzo(b)fluoranthene	14.980	252	436949	54.304	ng	# 96
89) Benzo(k)fluoranthene	14.980	252	436949	54.973	ng	# 96
90) Benzo(a)pyrene	15.345	252	229988	29.973	ng	98
91) Dibenzo(a,h)anthracene	16.904	278	30445	3.818	ng	# 84
92) Benzo(g,h,i)perylene	17.351	276	134923	16.201	ng	97

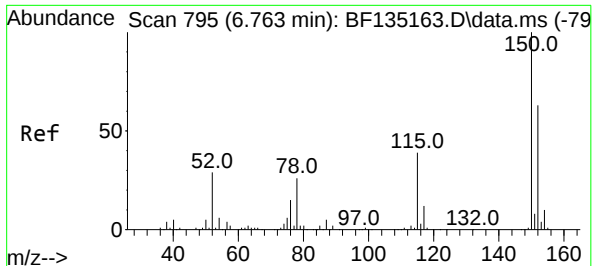
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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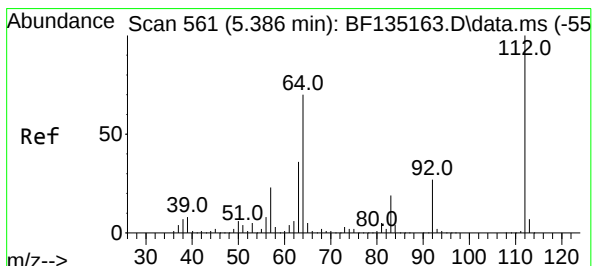
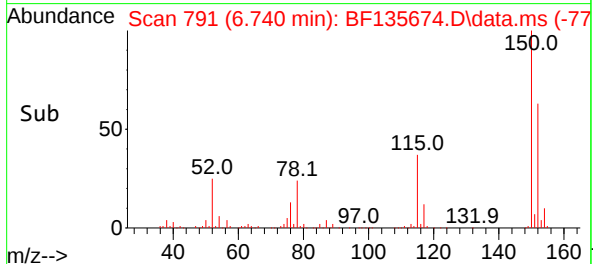
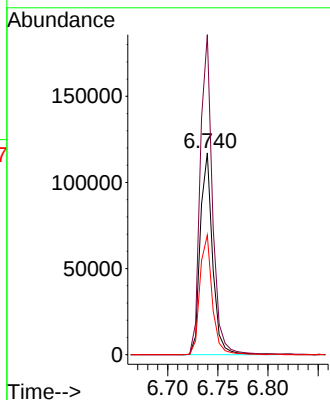
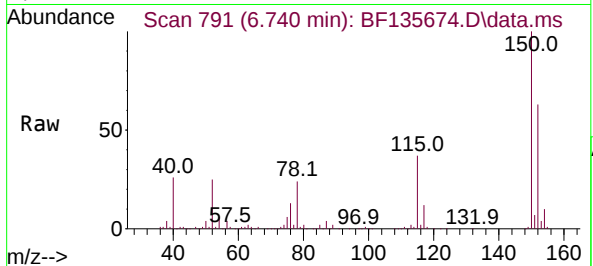




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

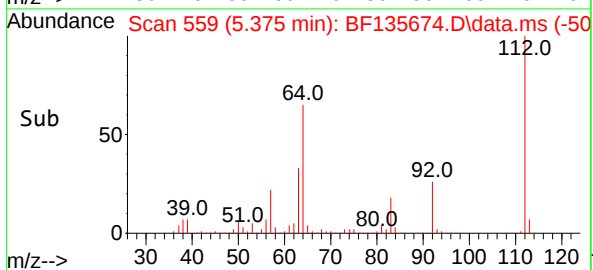
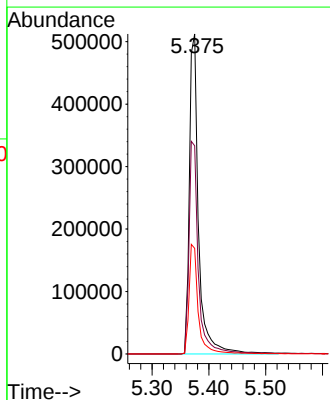
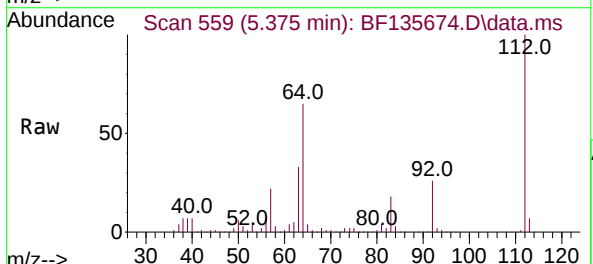
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

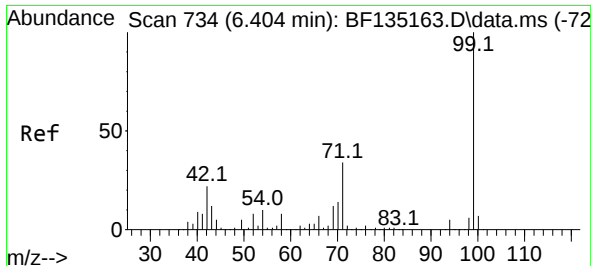
Tgt Ion:152 Resp: 101049
Ion Ratio Lower Upper
152 100
150 158.6 127.8 191.6
115 59.4 49.8 74.8



#5
2-Fluorophenol
Concen: 92.745 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:112 Resp: 576210
Ion Ratio Lower Upper
112 100
64 65.1 55.9 83.9
63 33.0 29.0 43.6





#7

Phenol-d6

Concen: 91.507 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

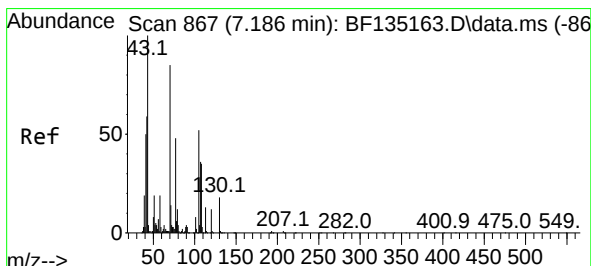
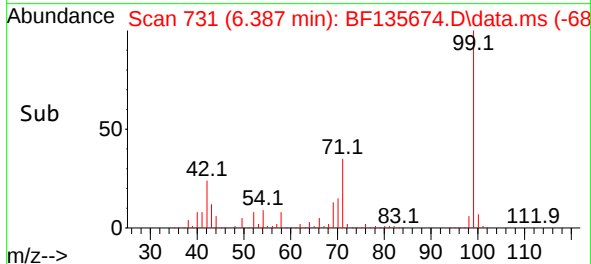
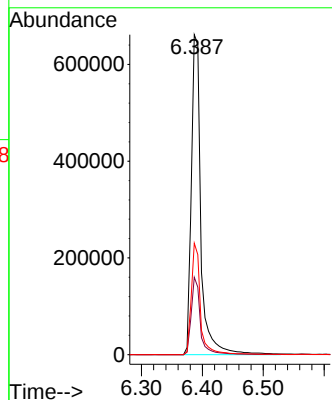
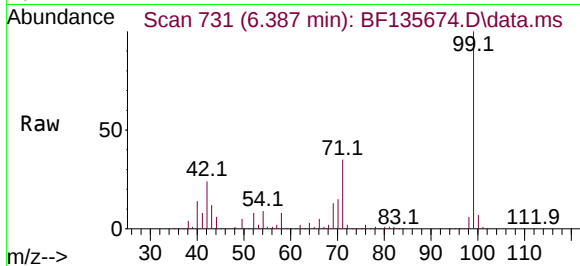
Tgt Ion: 99 Resp: 722908

Ion Ratio Lower Upper

99 100

42 24.2 17.9 26.9

71 34.9 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.761 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Tgt Ion: 70 Resp: 57552

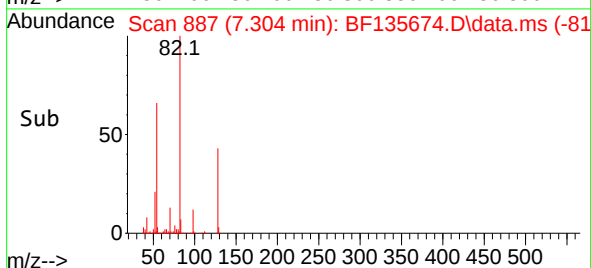
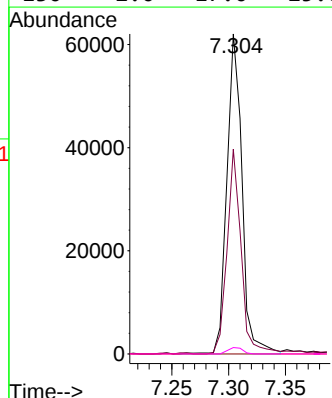
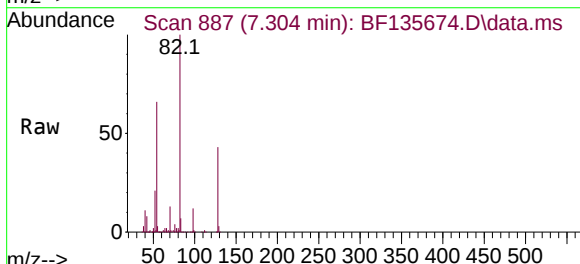
Ion Ratio Lower Upper

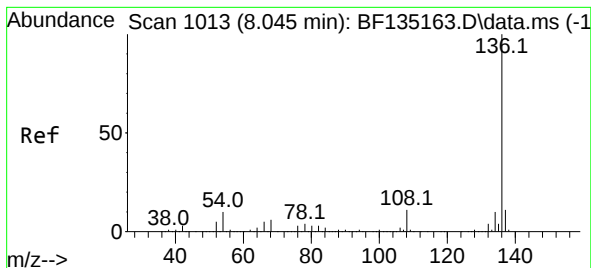
70 100

42 64.0 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: 8.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

Tgt Ion:136 Resp: 368119

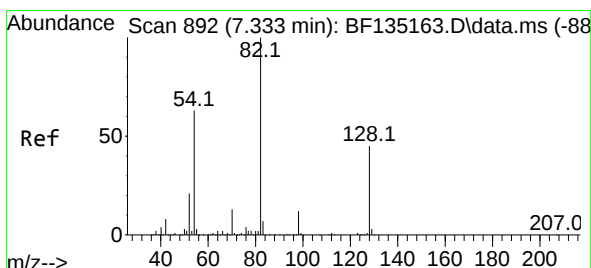
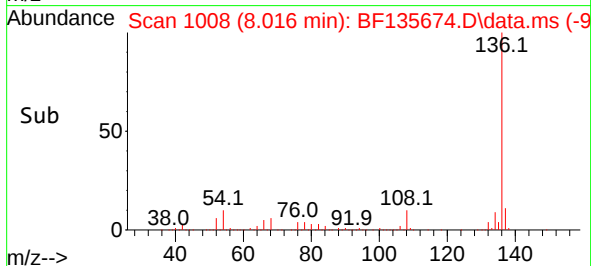
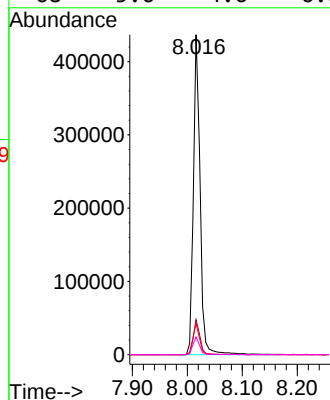
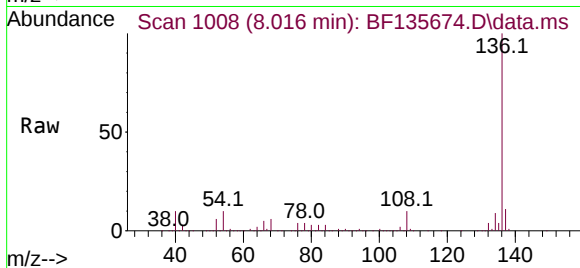
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.8 7.7 11.5

68 5.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 65.480 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

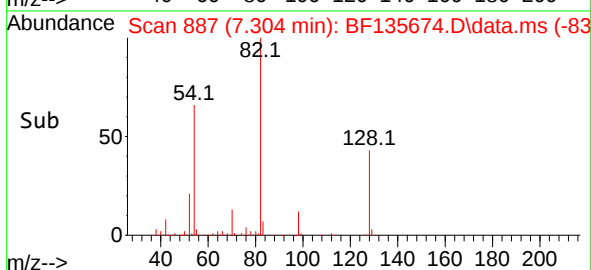
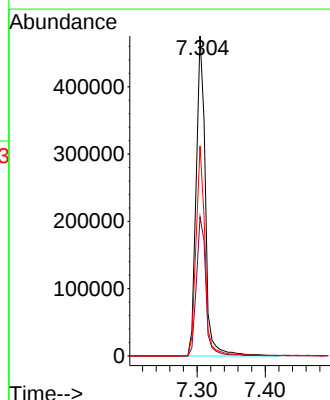
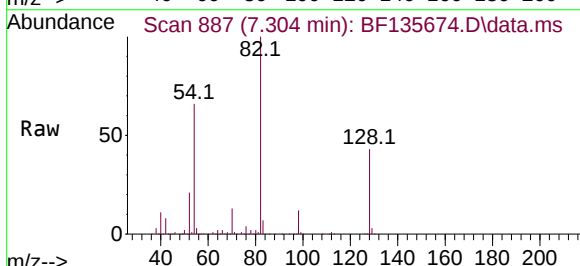
Tgt Ion: 82 Resp: 443671

Ion Ratio Lower Upper

82 100

128 43.5 35.8 53.6

54 65.6 50.6 76.0

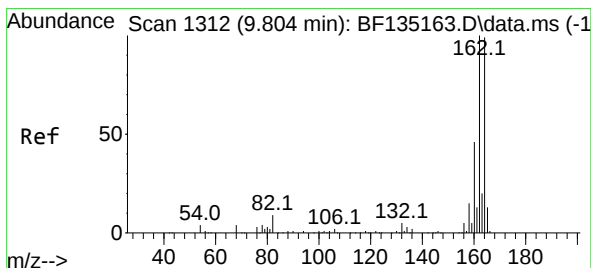
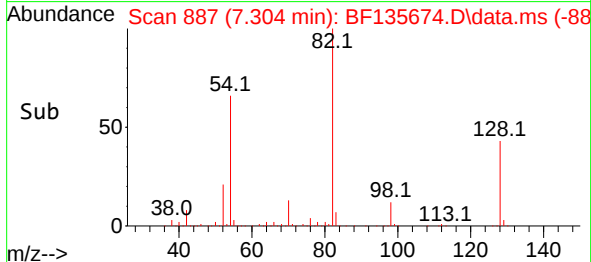
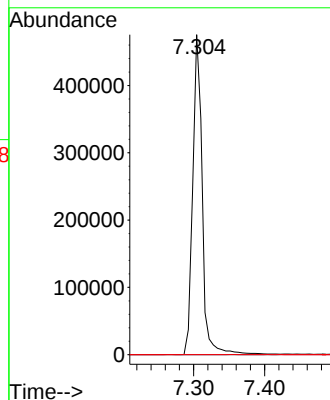
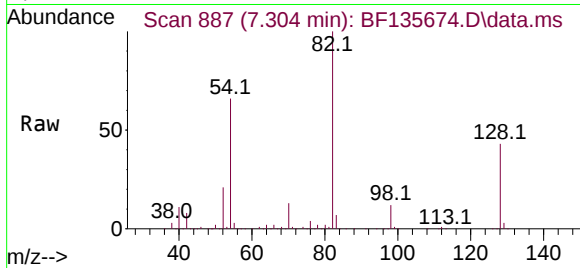




#25
Isophorone
Concen: 35.659 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

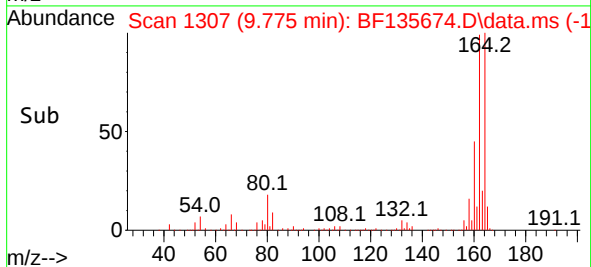
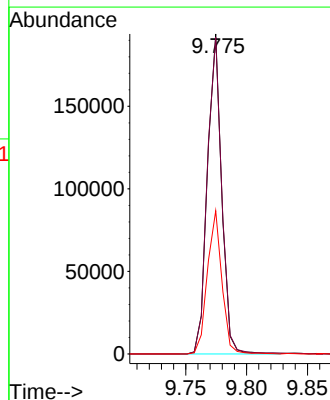
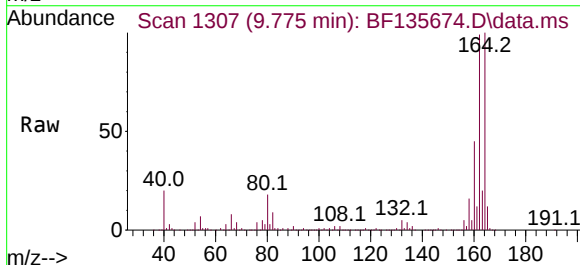
Instrument :
BNA_F
ClientSampleId :
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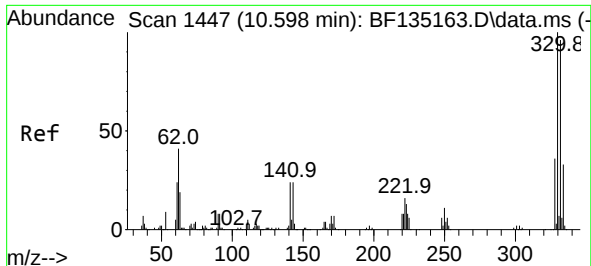
Tgt Ion: 82 Resp: 443667
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion: 164 Resp: 156269
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.4
160 44.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 80.012 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135674.D

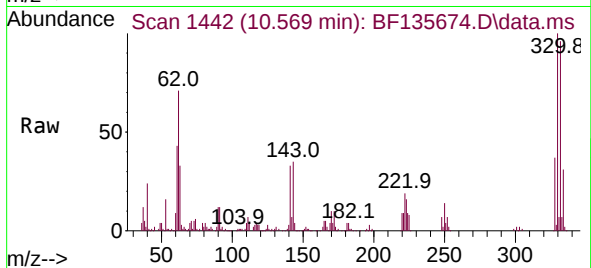
Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023



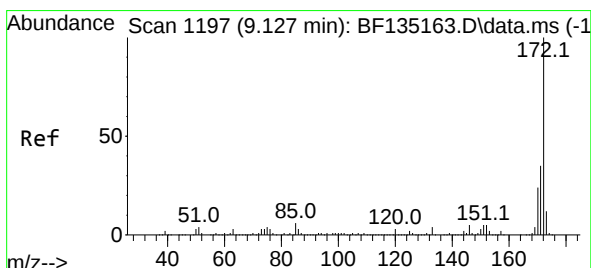
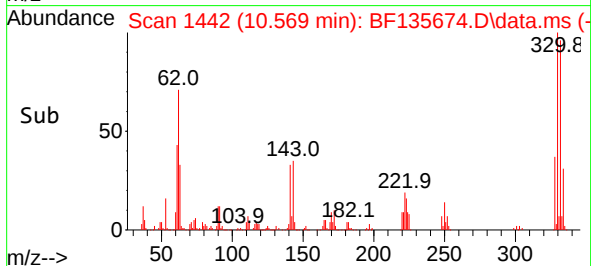
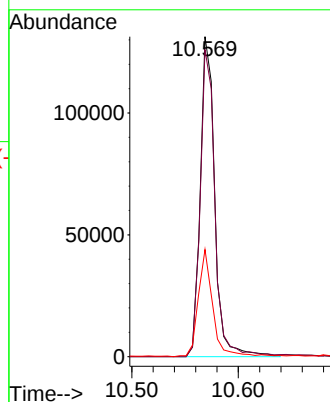
Tgt Ion:330 Resp: 124253

Ion Ratio Lower Upper

330 100

332 98.7 77.3 115.9

141 34.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 72.524 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

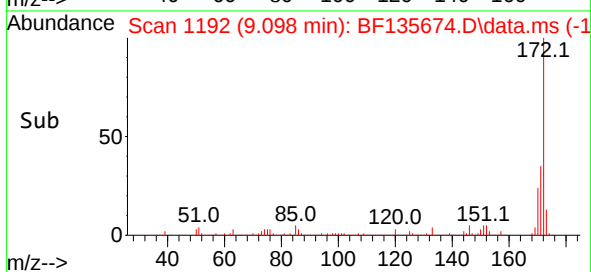
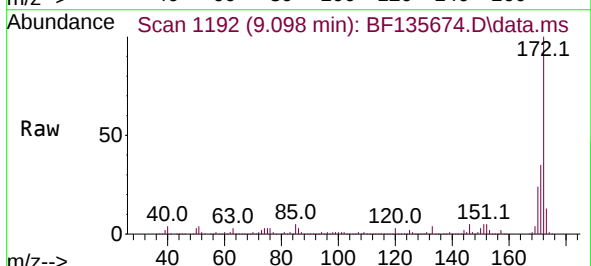
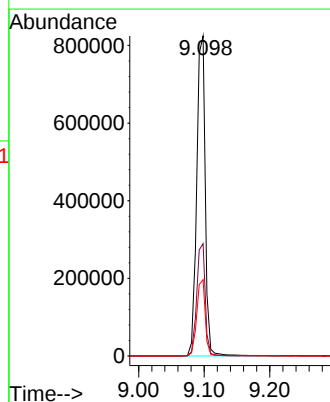
Tgt Ion:172 Resp: 751184

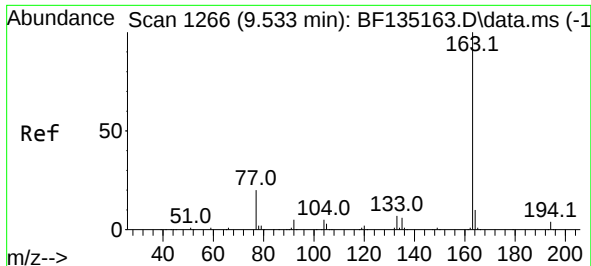
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.8 19.0 28.4

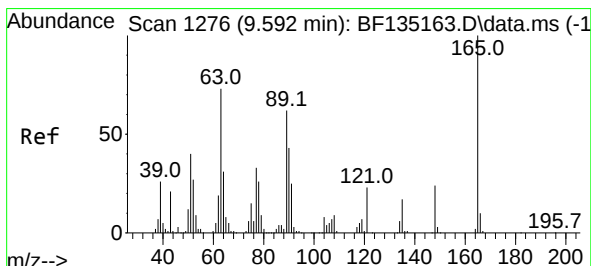
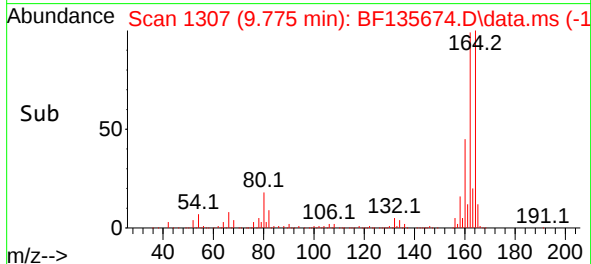
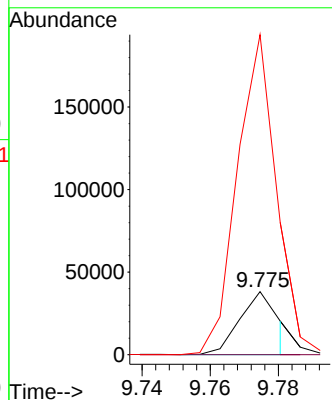
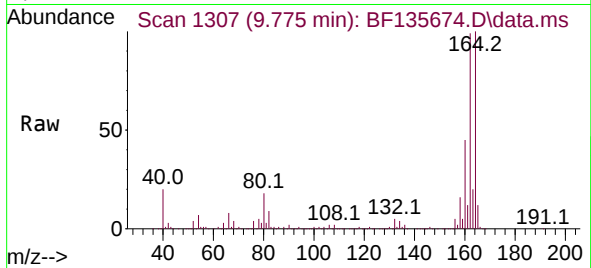




#50
Dimethylphthalate
Concen: 2.814 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

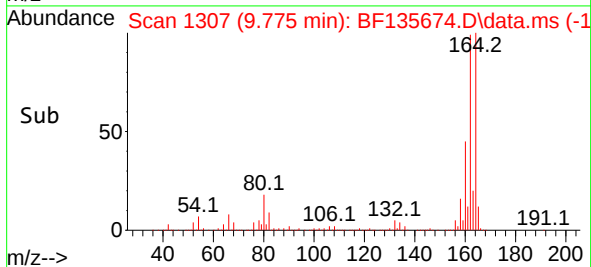
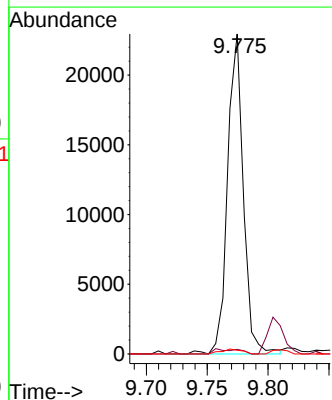
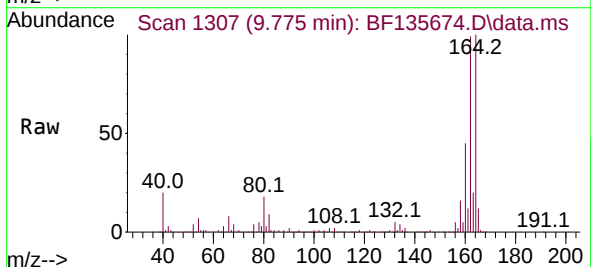
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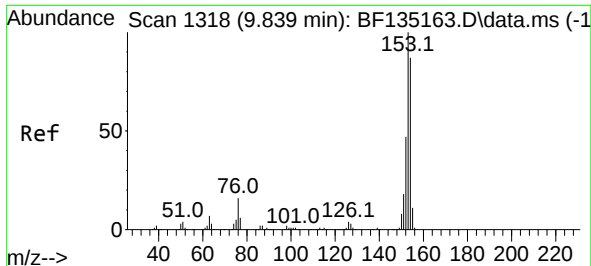
Tgt Ion:163 Resp: 29728
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 507.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.937 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:165 Resp: 20686
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 1.1 49.8 74.8#

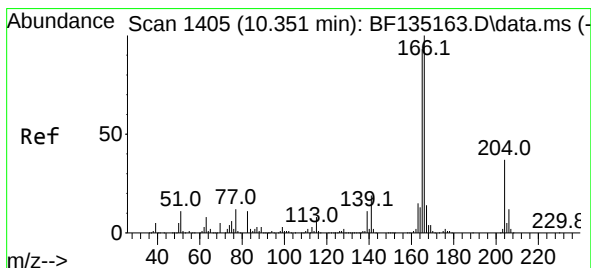
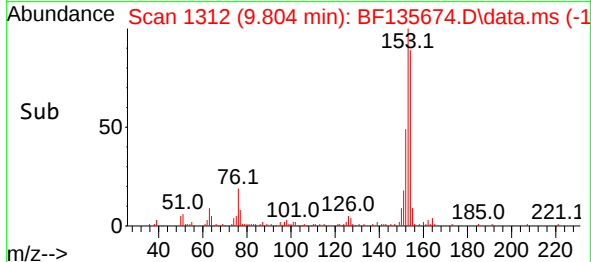
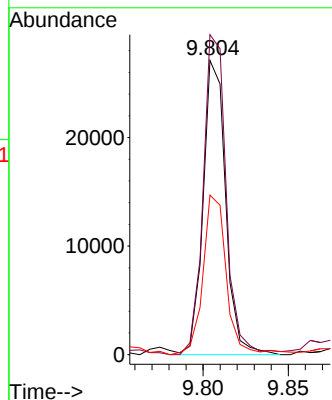
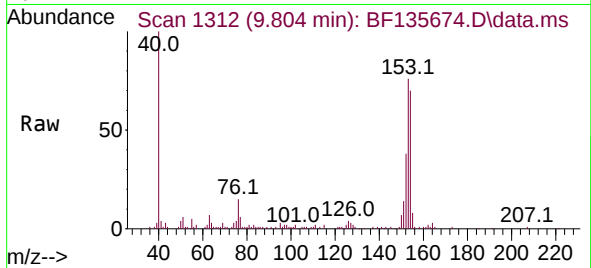




#52
Acenaphthene
Concen: 2.906 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

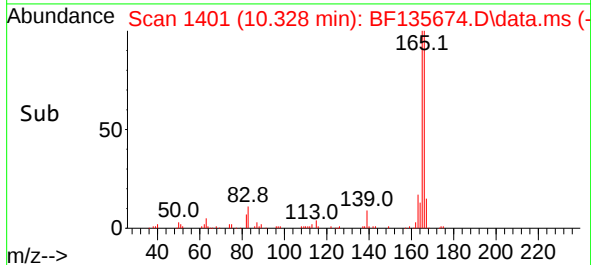
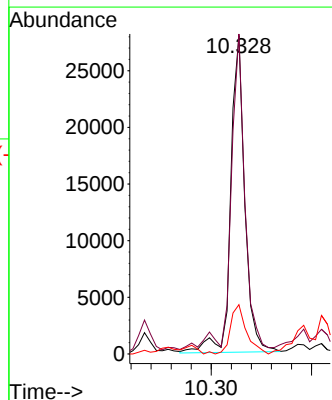
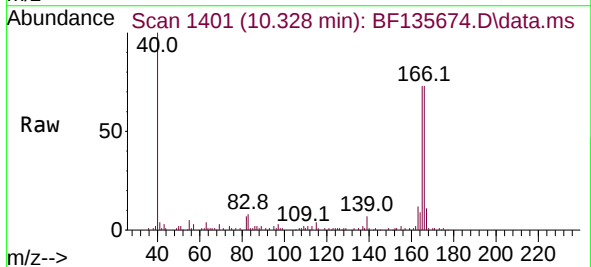
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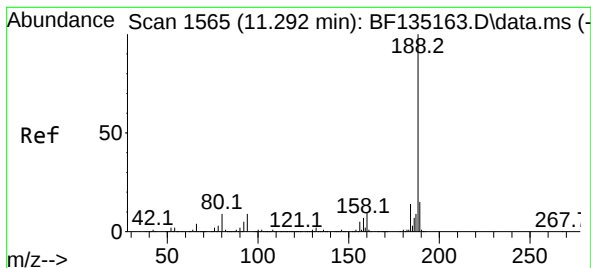
Tgt Ion:154 Resp: 24862
Ion Ratio Lower Upper
154 100
153 108.7 92.1 138.1
152 54.2 43.1 64.7



#58
Fluorene
Concen: 2.724 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:166 Resp: 27334
Ion Ratio Lower Upper
166 100
165 100.5 74.3 111.5
167 15.5 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

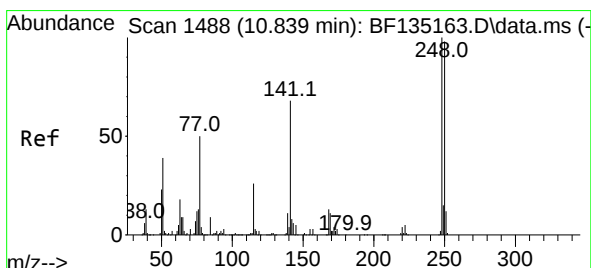
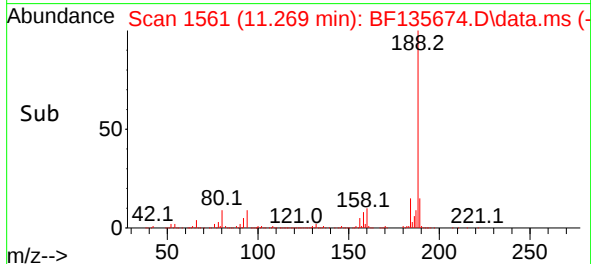
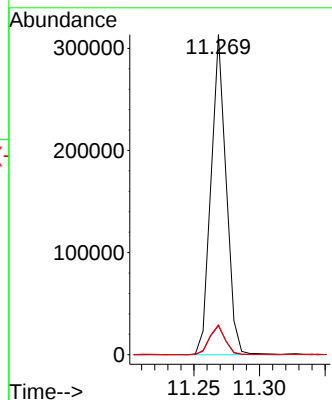
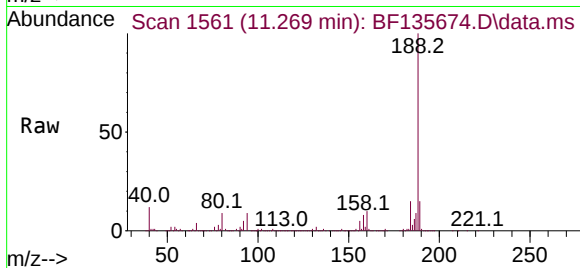
Tgt Ion:188 Resp: 252582

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.4 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.181 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

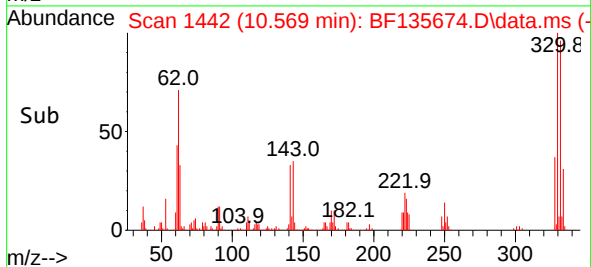
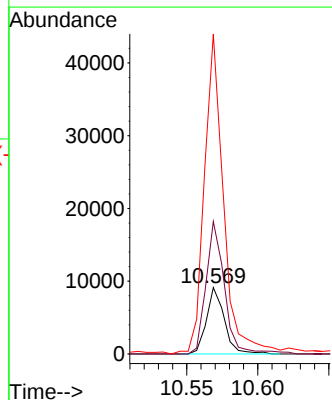
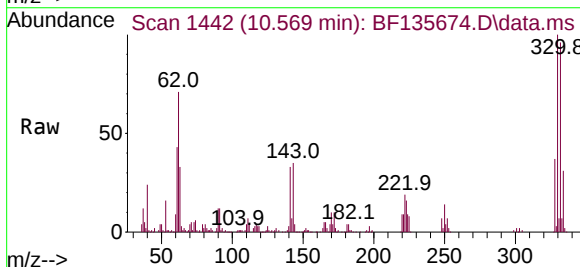
Tgt Ion:248 Resp: 7991

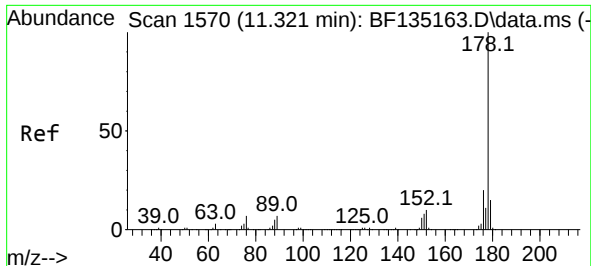
Ion Ratio Lower Upper

248 100

250 199.3 78.6 117.8#

141 481.4 54.2 81.2#

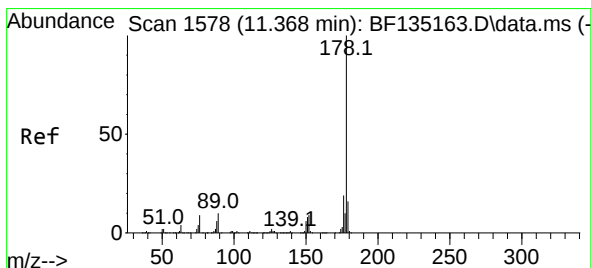
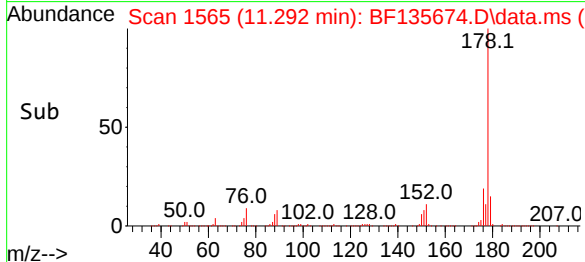
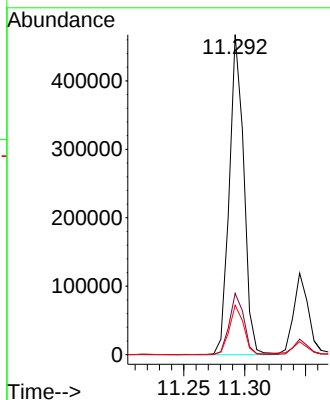
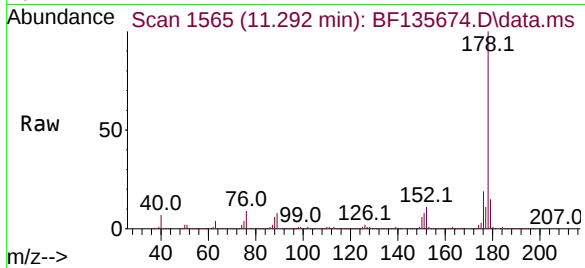




#71
Phenanthrene
Concen: 32.436 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

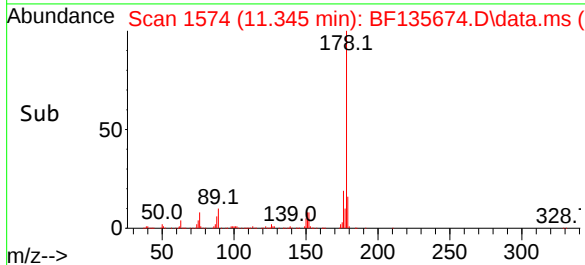
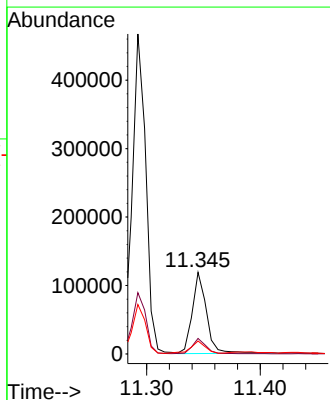
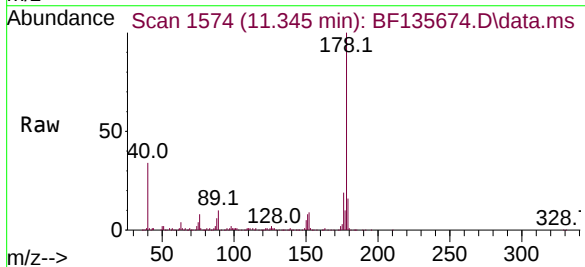
Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

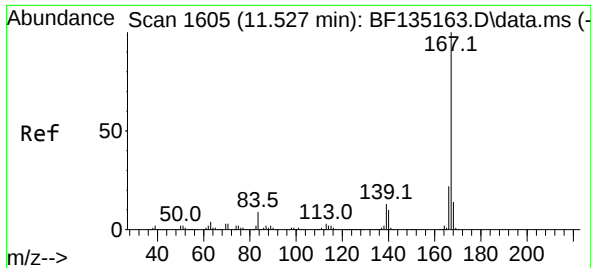
Tgt Ion:178 Resp: 387476
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.0 18.0



#72
Anthracene
Concen: 8.425 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:178 Resp: 103447
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.8 12.6 19.0

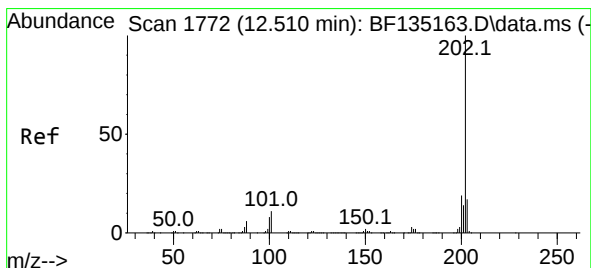
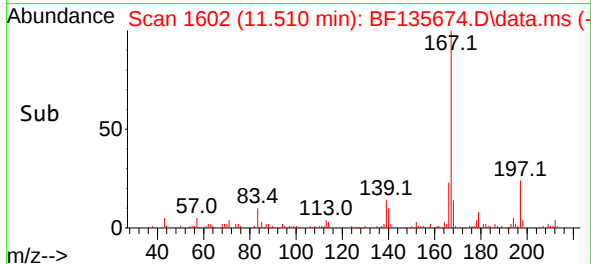
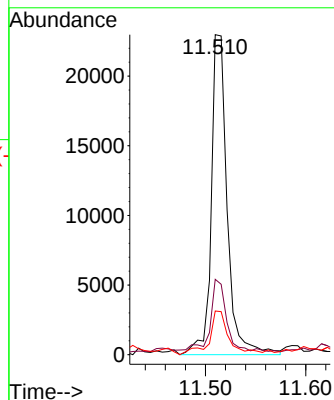
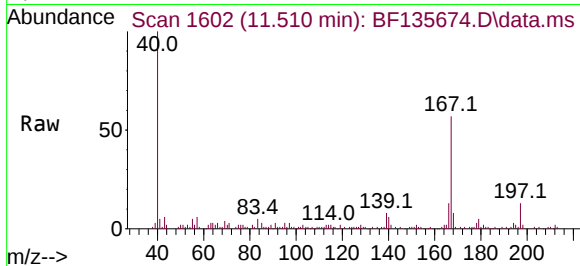




#73
 Carbazole
 Concen: 2.282 ng
 RT: 11.510 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF135674.D
 Acq: 10 Oct 2023 03:18

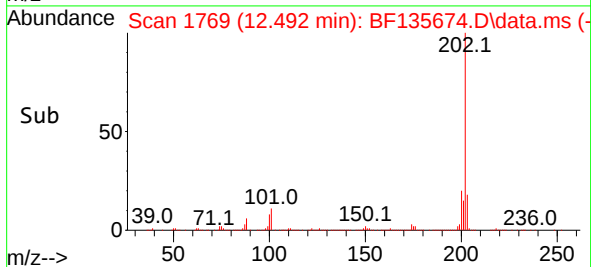
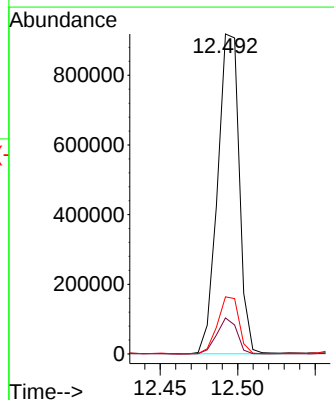
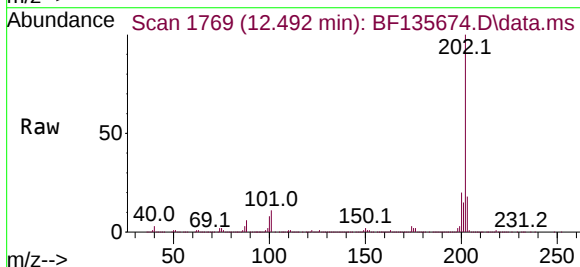
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-10052023

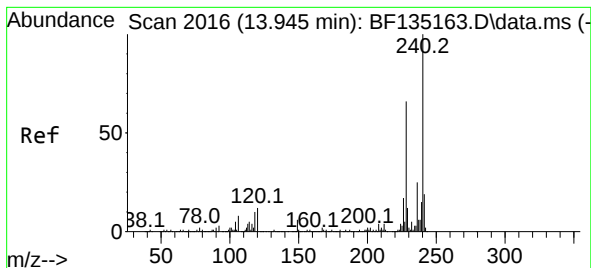
Tgt Ion:	167	Resp:	25504
Ion Ratio	Lower	Upper	
167	100		
166	23.6	17.4	26.0
139	13.7	10.6	15.8



#75
 Fluoranthene
 Concen: 71.725 ng
 RT: 12.492 min Scan# 1769
 Delta R.T. 0.006 min
 Lab File: BF135674.D
 Acq: 10 Oct 2023 03:18

Tgt Ion:	202	Resp:	892814
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.3
203	17.8	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

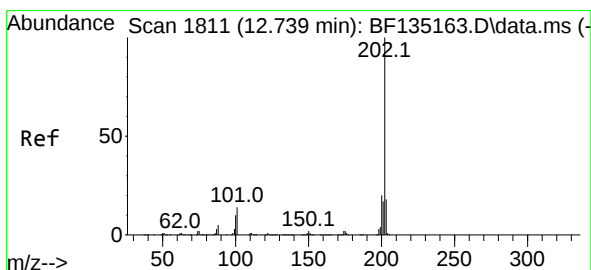
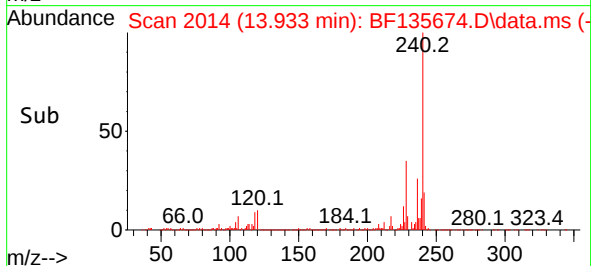
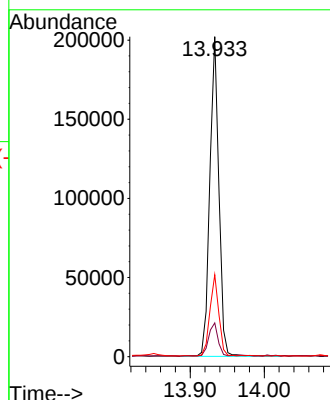
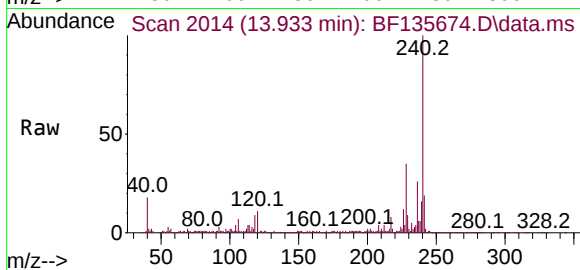
Tgt Ion:240 Resp: 172272

Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 25.6 19.8 29.8



#78

Pyrene

Concen: 48.520 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.012 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

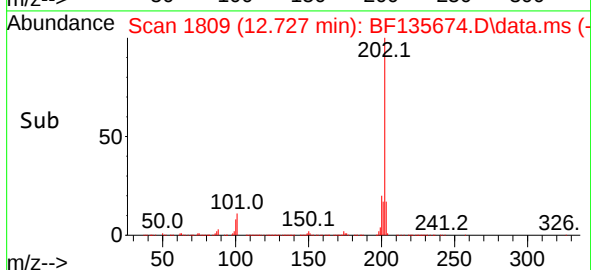
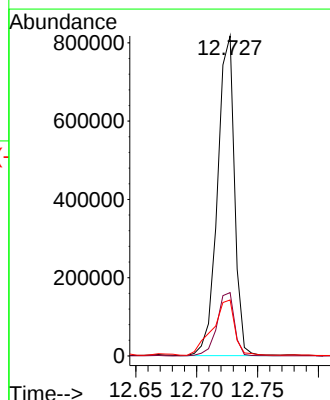
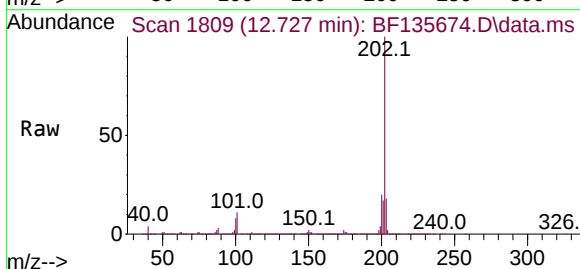
Tgt Ion:202 Resp: 795800

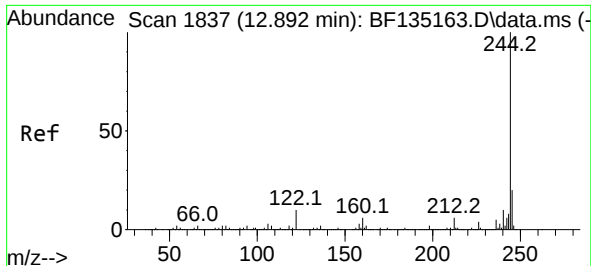
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 17.5 14.2 21.4

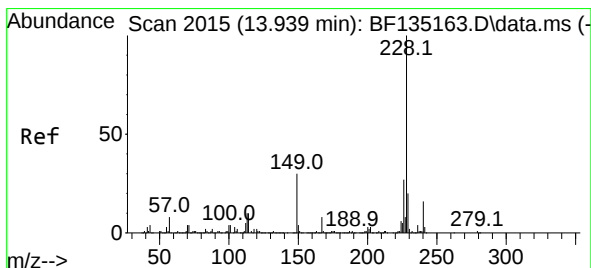
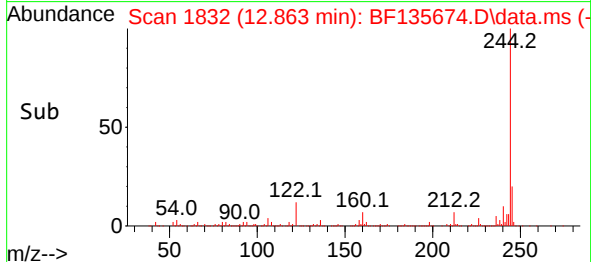
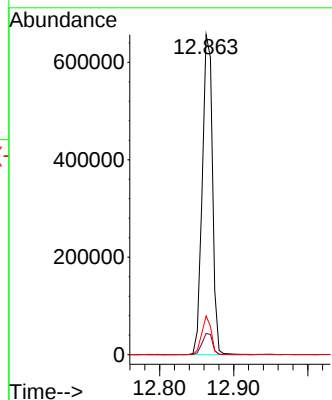
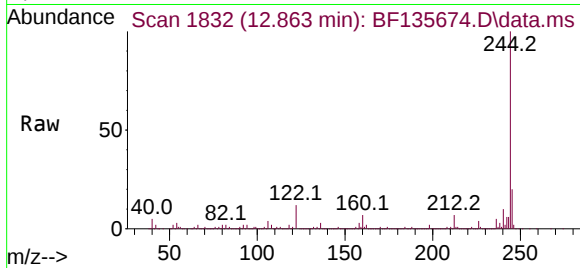




#79
 Terphenyl-d14
 Concen: 56.372 ng
 RT: 12.863 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF135674.D
 Acq: 10 Oct 2023 03:18

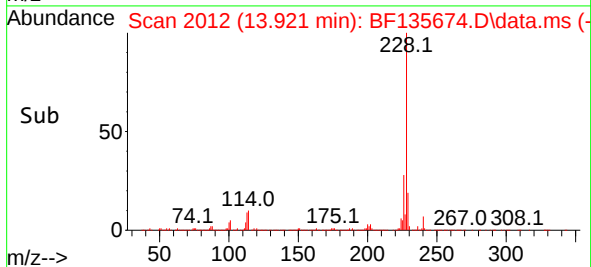
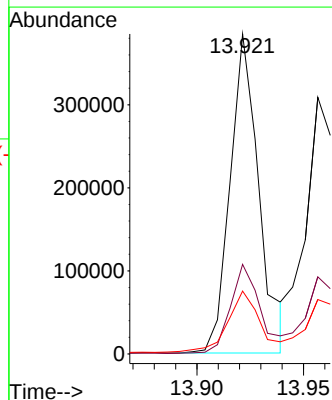
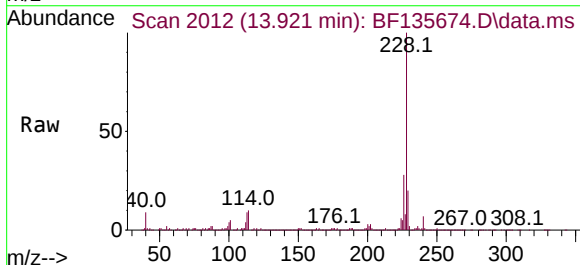
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-10052023

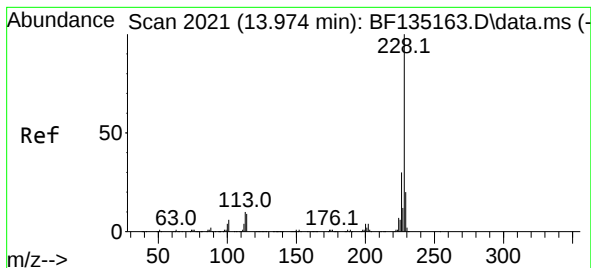
Tgt Ion:244 Resp: 626458
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 12.1 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 32.452 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: BF135674.D
 Acq: 10 Oct 2023 03:18

Tgt Ion:228 Resp: 361003
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 19.7 15.8 23.8





#83

Chrysene

Concen: 28.035 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

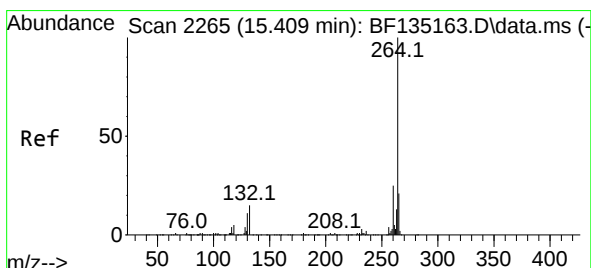
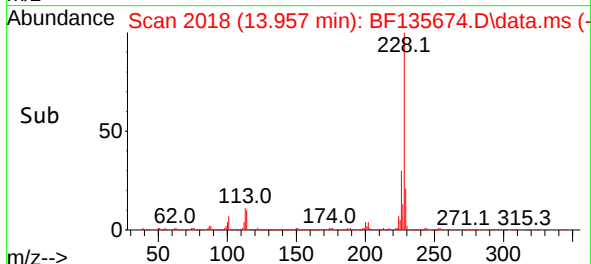
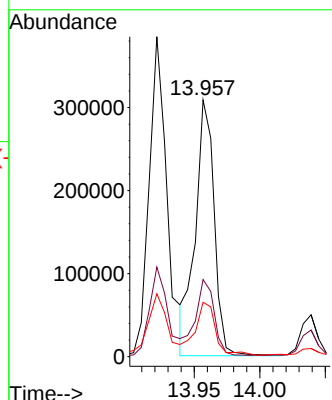
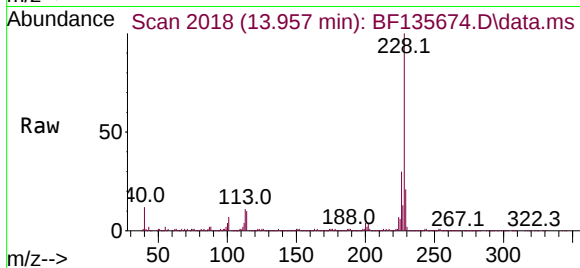
Tgt Ion:228 Resp: 310063

Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.2 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.018 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

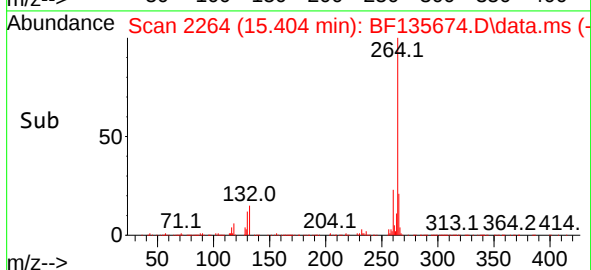
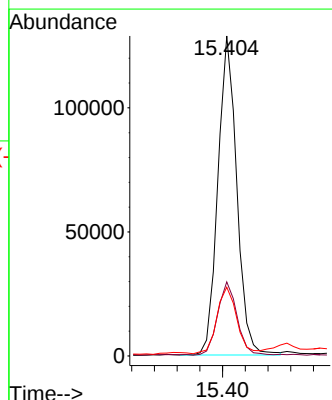
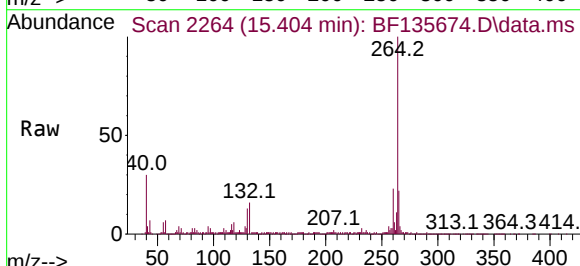
Tgt Ion:264 Resp: 148639

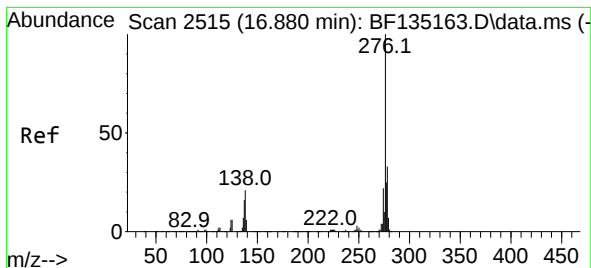
Ion Ratio Lower Upper

264 100

260 23.1 19.8 29.6

265 21.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.664 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.030 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

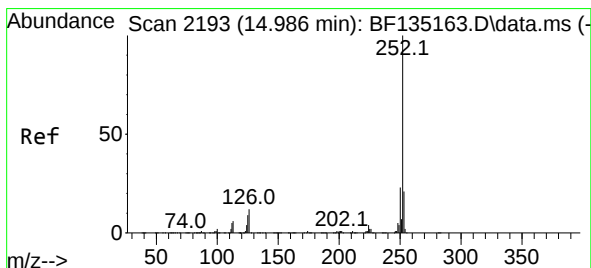
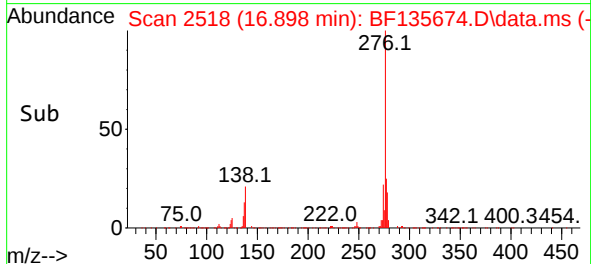
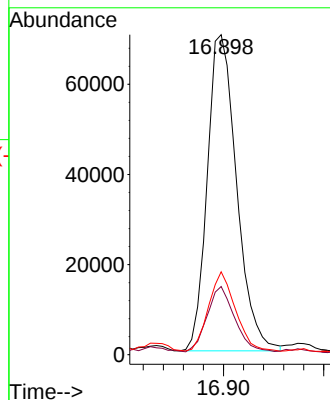
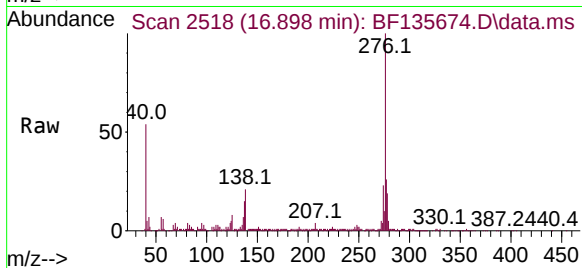
Tgt Ion:276 Resp: 142912

Ion Ratio Lower Upper

276 100

138 19.9 19.2 28.8

277 22.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 54.304 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.018 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

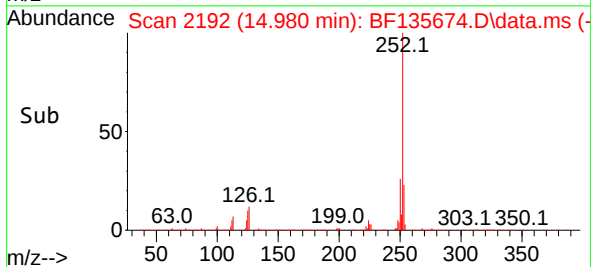
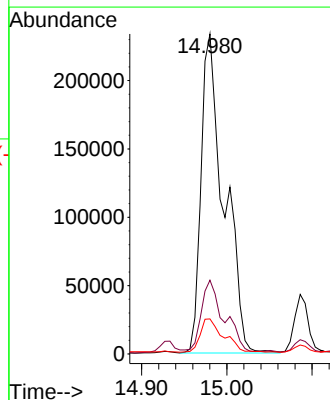
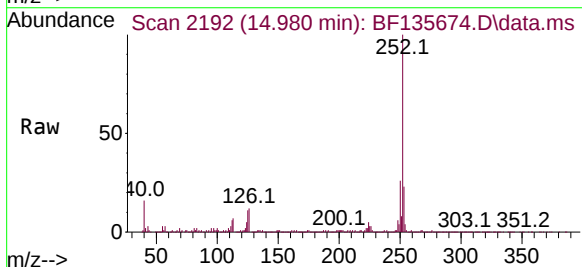
Tgt Ion:252 Resp: 436949

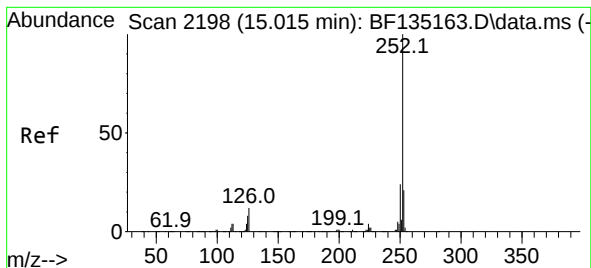
Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 11.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 54.973 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

Instrument :

BNA_F

ClientSampleId :

OR-02-10052023

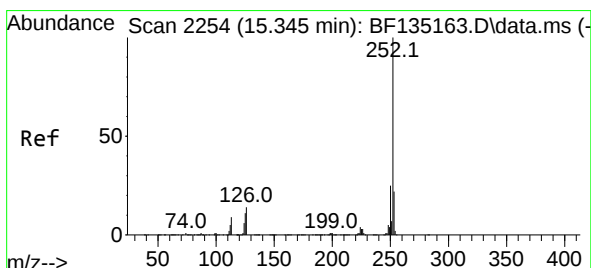
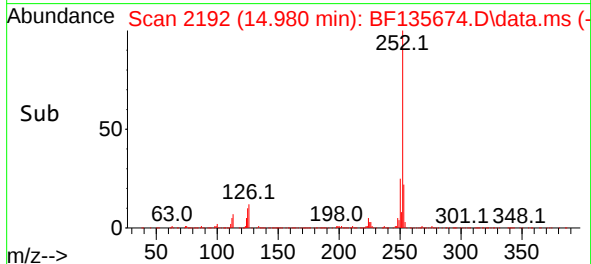
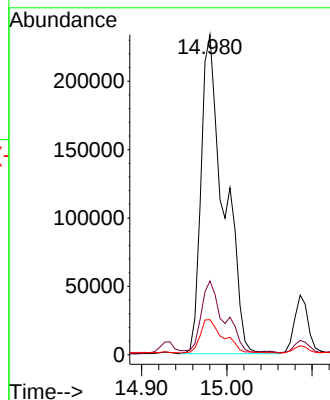
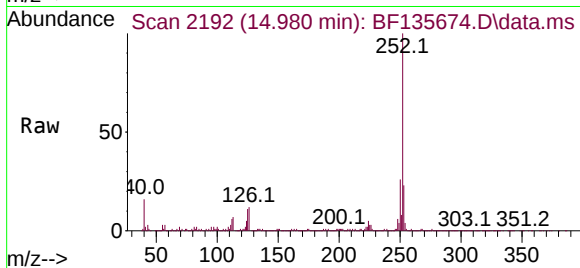
Tgt Ion:252 Resp: 436949

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 29.973 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.018 min

Lab File: BF135674.D

Acq: 10 Oct 2023 03:18

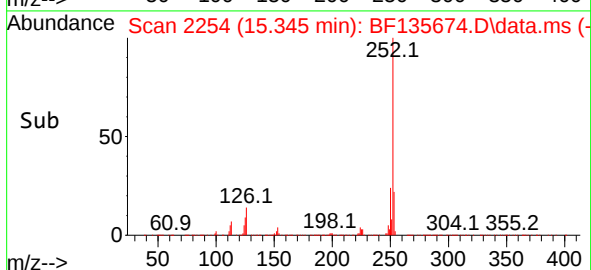
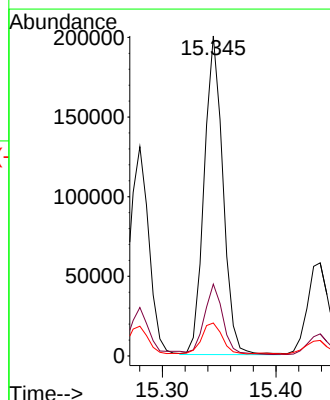
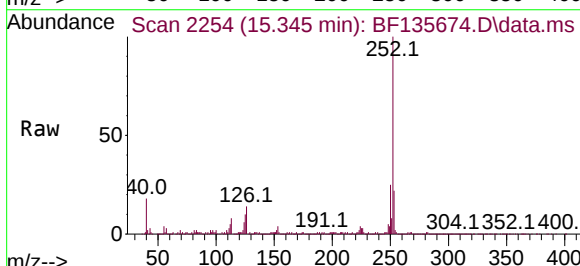
Tgt Ion:252 Resp: 229988

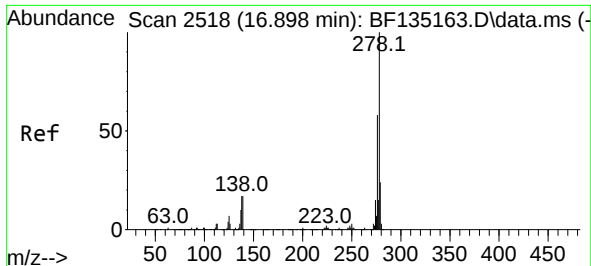
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.3 9.2 13.8

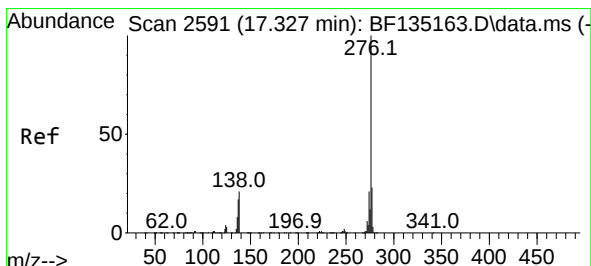
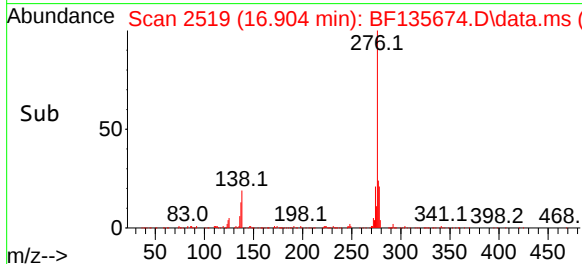
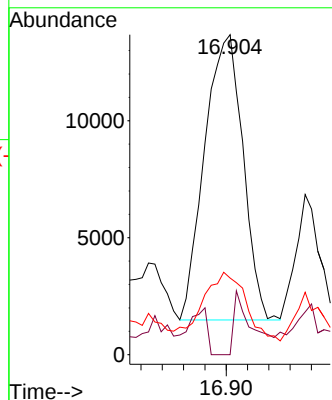
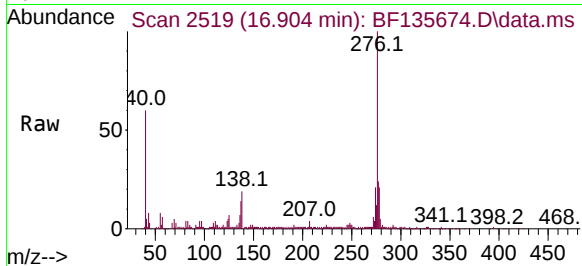




#91
Dibenzo(a,h)anthracene
Concen: 3.818 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.024 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Instrument :
BNA_F
ClientSampleId :
OR-02-10052023

Tgt Ion:278 Resp: 30445
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.0#
279 24.0 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 16.201 ng
RT: 17.351 min Scan# 2595
Delta R.T. 0.035 min
Lab File: BF135674.D
Acq: 10 Oct 2023 03:18

Tgt Ion:276 Resp: 134923
Ion Ratio Lower Upper
276 100
277 25.3 18.8 28.2
138 22.1 16.9 25.3

