

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135961.D
 Acq On : 26 Oct 2023 14:00
 Operator : CG\JU
 Sample : 05015-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991

Quant Time: Oct 26 14:26:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

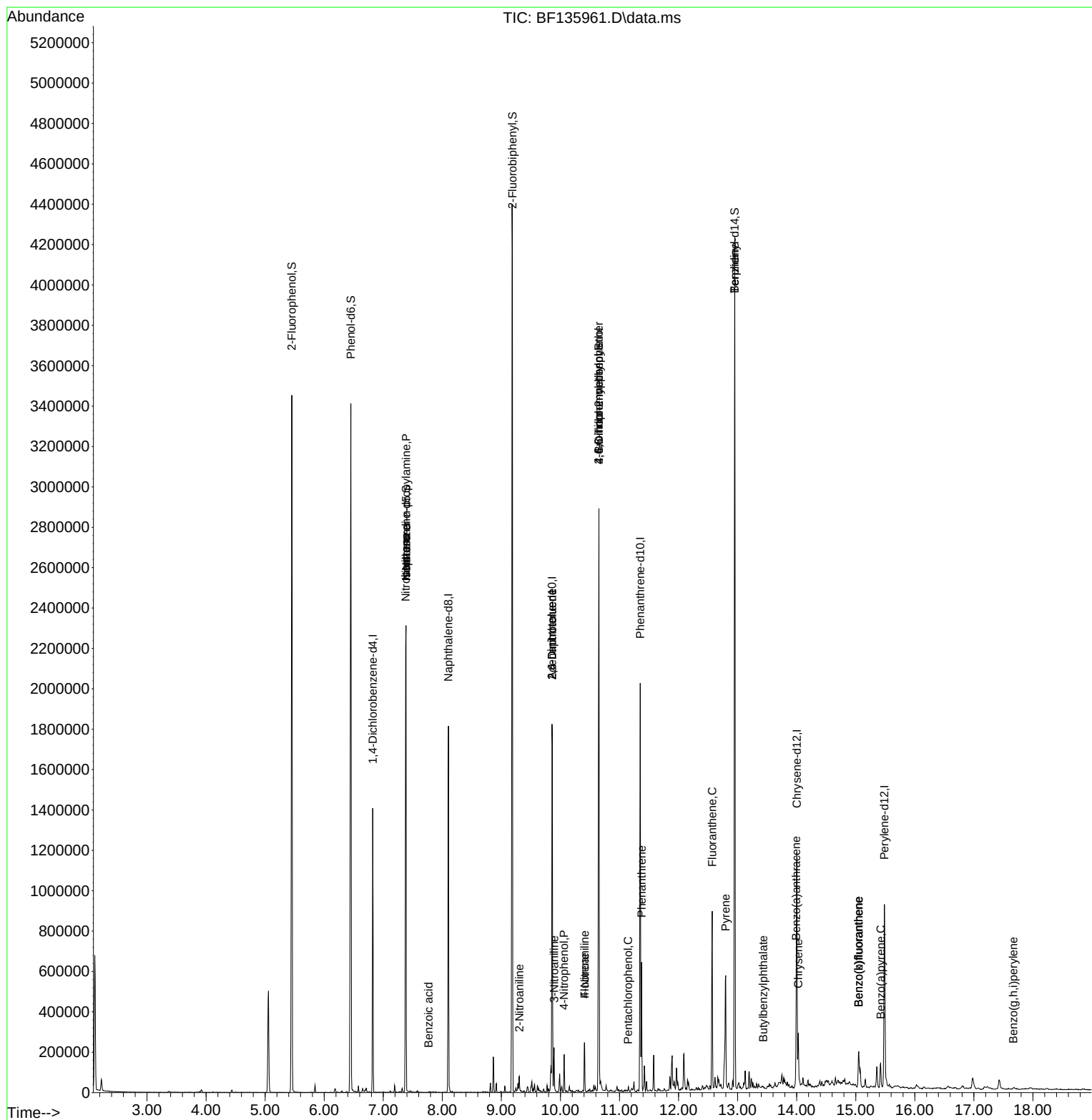
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	183112	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	723967	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	371712	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	674688	20.000	ng	0.00
76) Chrysene-d12	14.004	240	352237	20.000	ng	0.00
86) Perylene-d12	15.486	264	402048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1010111	85.182	ng	0.00
7) Phenol-d6	6.451	99	1288857	87.302	ng	0.00
23) Nitrobenzene-d5	7.386	82	718843	66.524	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	329220	101.187	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1369440	58.992	ng	0.00
79) Terphenyl-d14	12.951	244	1464014	69.443	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	95430	11.367	ng	# 76
24) Nitrobenzene	7.381	77	2207	2.756	ng	# 31
25) Isophorone	7.386	82	718802	31.411	ng	# 64
32) Benzoic acid	7.769	122	61	5.730	ng	# 72
48) 2-Nitroaniline	9.304	65	898	4.377	ng	# 35
51) 2,6-Dinitrotoluene	9.857	165	49664	13.793	ng	# 20
53) 3-Nitroaniline	9.892	138	53	4.570	ng	# 1
56) 4-Nitrophenol	10.063	139	21083	10.185	ng	# 13
57) 2,4-Dinitrotoluene	9.857	165	49664	12.882	ng	# 25
58) Fluorene	10.410	166	67351	2.958	ng	96
62) 4-Nitroaniline	10.410	138	847	4.779	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.651	198	607	7.271	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	20488	2.965	ng	# 1
70) Pentachlorophenol	11.145	266	695	4.365	ng	# 77
71) Phenanthrene	11.374	178	213677	6.260	ng	99
75) Fluoranthene	12.569	202	326140	9.082	ng	100
77) Benzidine	12.951	184	17027	2.507	ng	# 94
78) Pyrene	12.798	202	238927	8.079	ng	97
80) Butylbenzylphthalate	13.433	149	1520	3.952	ng	91
81) Benzo(a)anthracene	13.992	228	78196	3.265	ng	100
83) Chrysene	14.027	228	94145	4.036	ng	98
88) Benzo(b)fluoranthene	15.051	252	126959	5.306	ng	98
89) Benzo(k)fluoranthene	15.051	252	126959	5.403	ng	99
90) Benzo(a)pyrene	15.421	252	60614	2.749	ng	97
92) Benzo(g,h,i)perylene	17.668	276	7490	4.069	ng	95

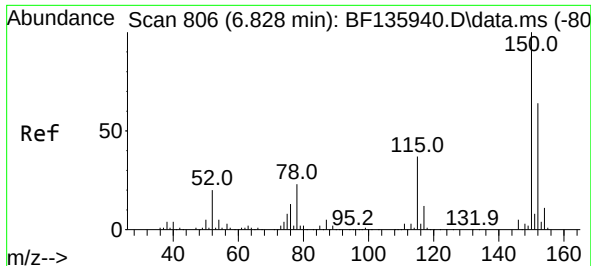
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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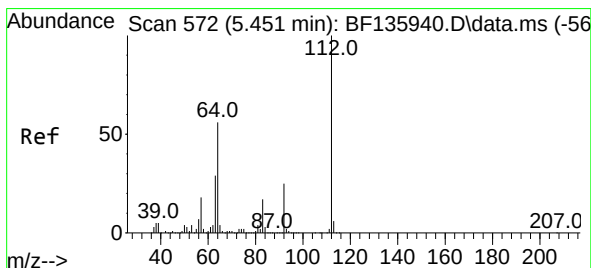
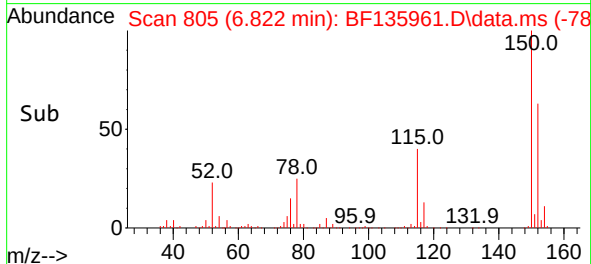
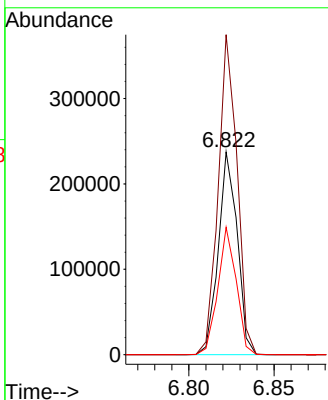
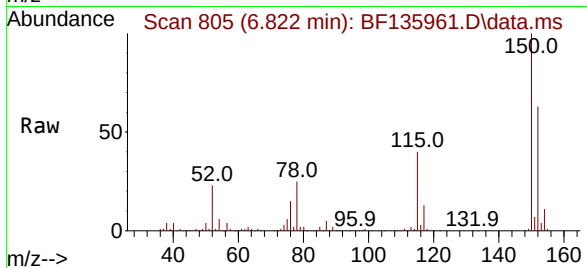




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF135961.D
 Acq: 26 Oct 2023 14:00

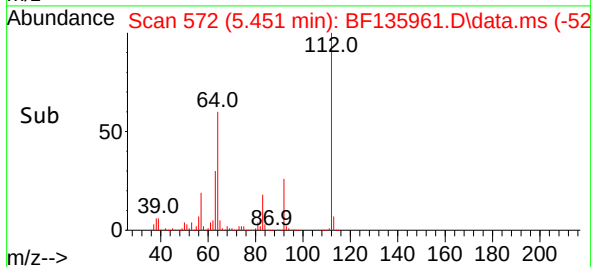
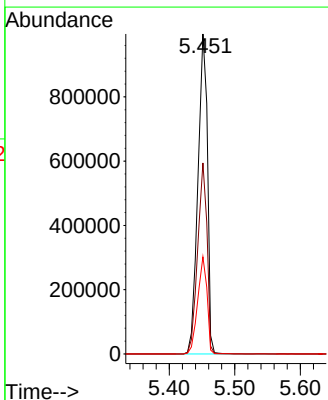
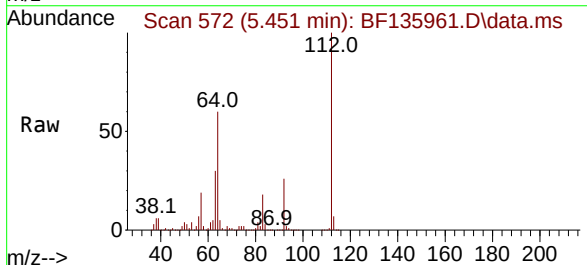
Instrument :
 BNA_F
 ClientSampleId :
 72-11991

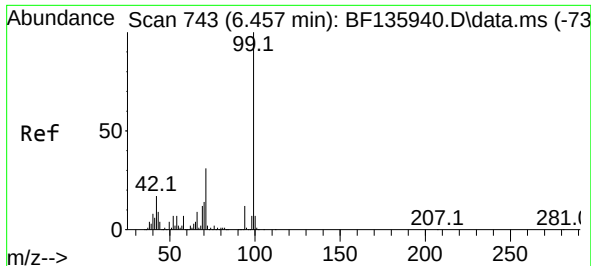
Tgt Ion:152 Resp: 183112
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 62.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 85.182 ng
 RT: 5.451 min Scan# 572
 Delta R.T. 0.000 min
 Lab File: BF135961.D
 Acq: 26 Oct 2023 14:00

Tgt Ion:112 Resp: 1010111
 Ion Ratio Lower Upper
 112 100
 64 59.7 45.1 67.7
 63 30.3 23.0 34.4

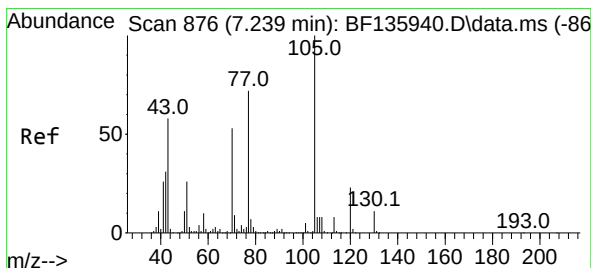
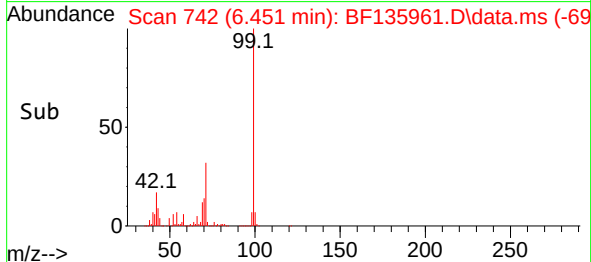
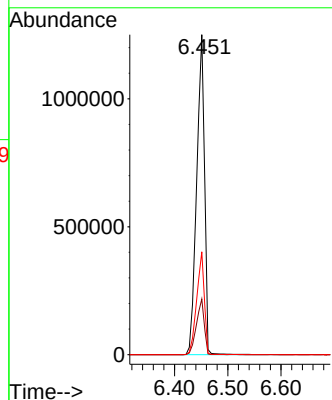
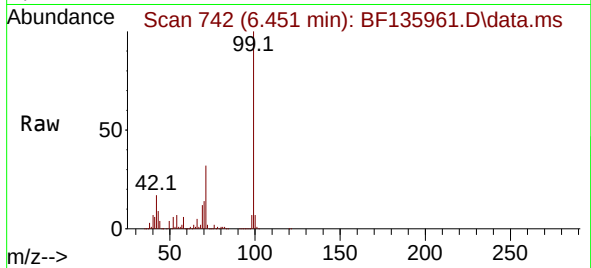




#7
Phenol-d6
Concen: 87.302 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

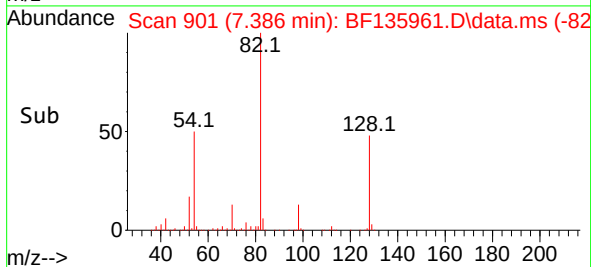
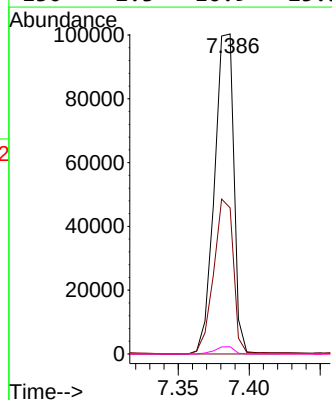
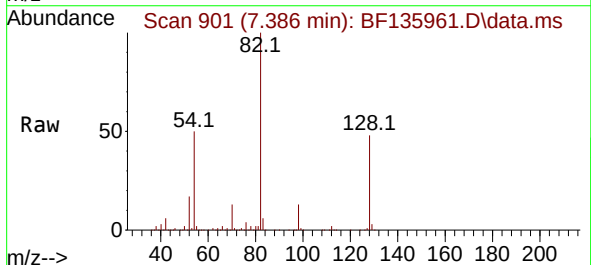
Instrument :
BNA_F
ClientSampleId :
72-11991

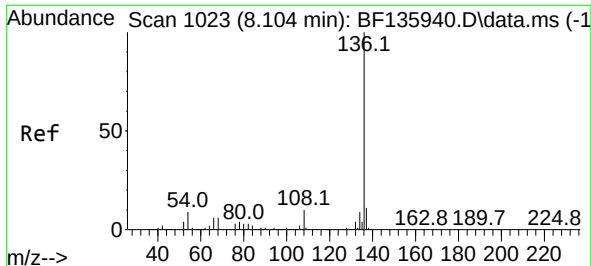
Tgt Ion: 99 Resp: 1288857
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 32.2 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.367 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion: 70 Resp: 95430
Ion Ratio Lower Upper
70 100
42 45.6 47.3 70.9#
101 0.0 7.8 11.8#
130 2.3 16.9 25.3#



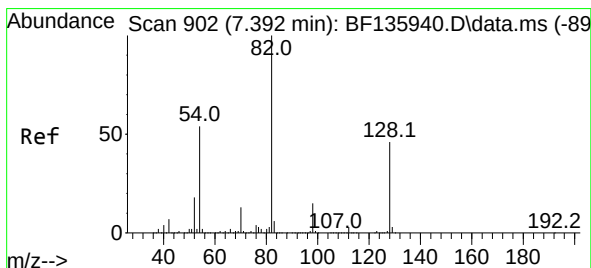
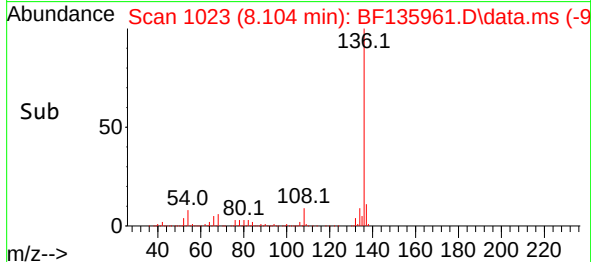
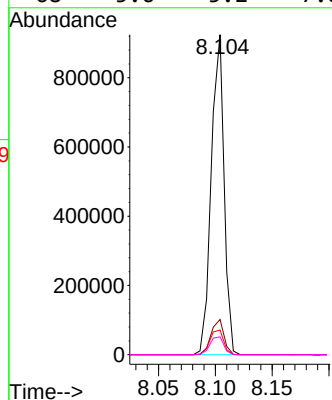
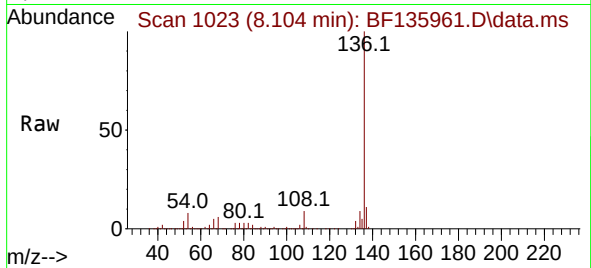


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Instrument :
BNA_F
ClientSampleId :
72-11991

Tgt Ion:136 Resp: 723967

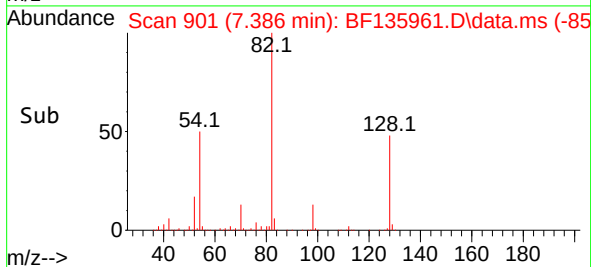
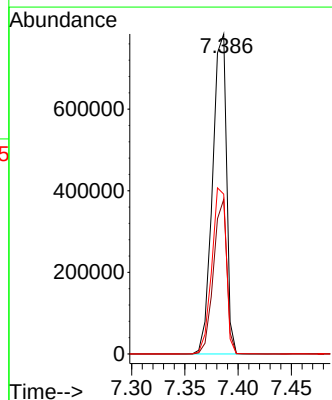
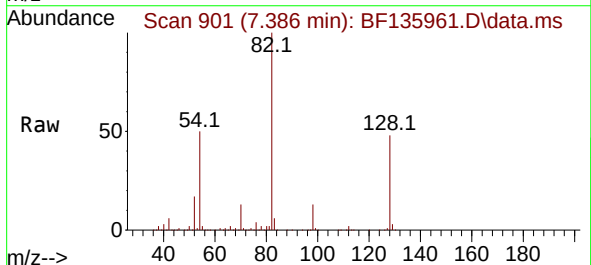
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	7.7	7.1	10.7
68	5.6	5.2	7.8

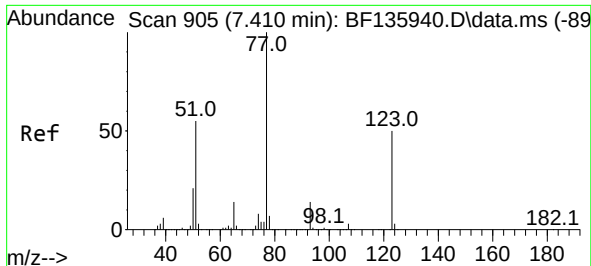


#23
Nitrobenzene-d5
Concen: 66.524 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion: 82 Resp: 718843

Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.8	55.2
54	49.9	43.4	65.0

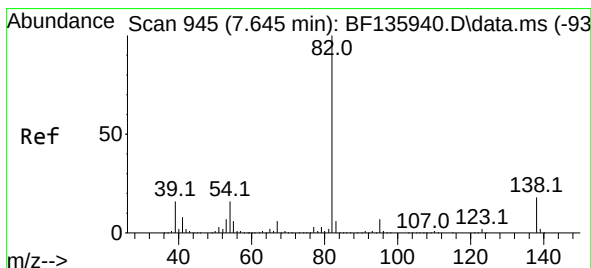
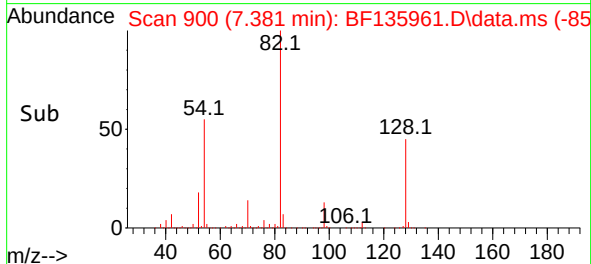
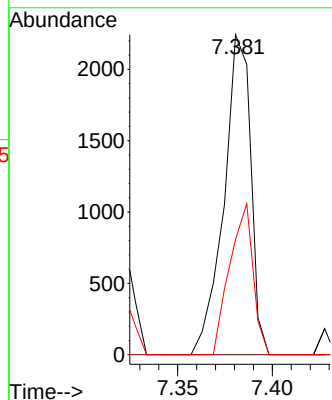
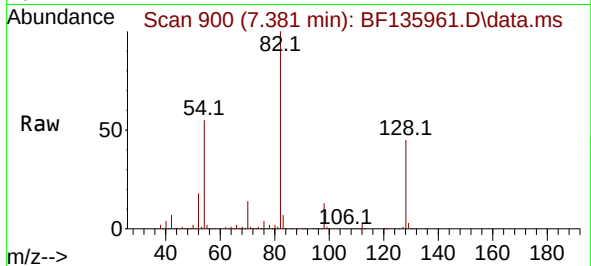




#24
Nitrobenzene
Concen: 2.756 ng
RT: 7.381 min Scan# 901
Delta R.T. -0.029 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

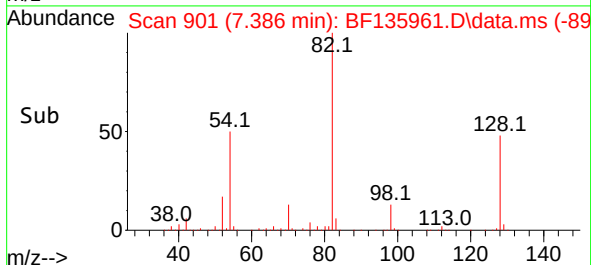
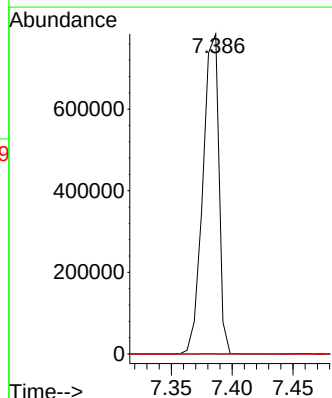
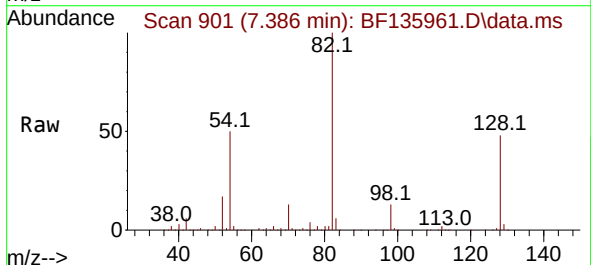
Instrument :
BNA_F
ClientSampleId :
72-11991

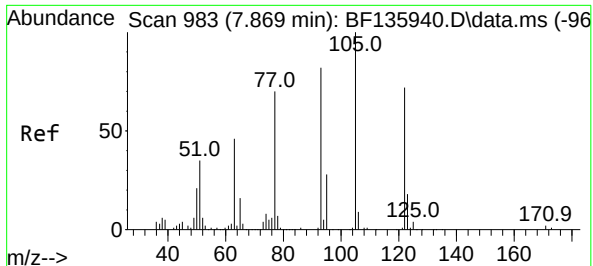
Tgt Ion: 77 Resp: 2207
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 36.1 11.0 16.4#



#25
Isophorone
Concen: 31.411 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion: 82 Resp: 718802
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

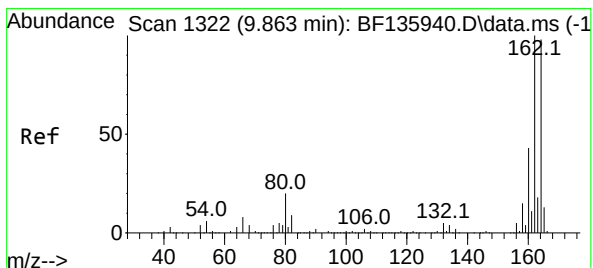
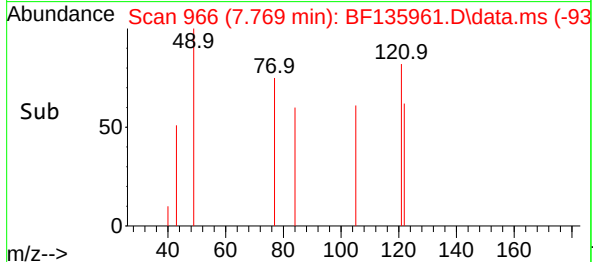
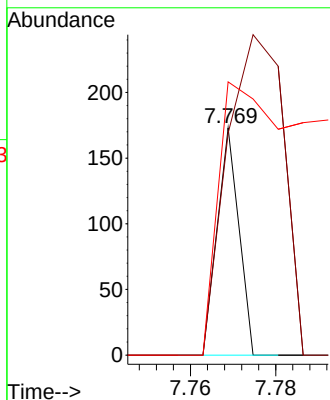
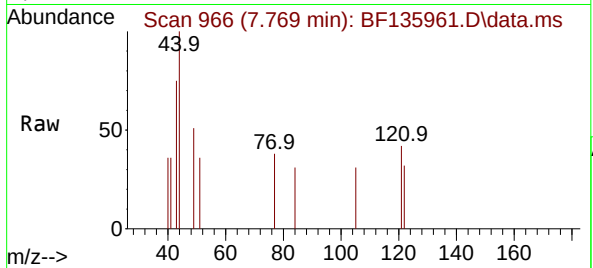




#32
Benzoic acid
Concen: 5.730 ng
RT: 7.769 min Scan# 90
Delta R.T. -0.100 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

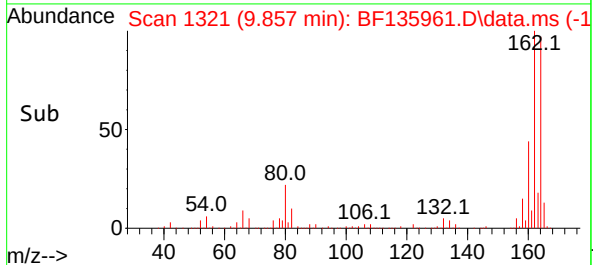
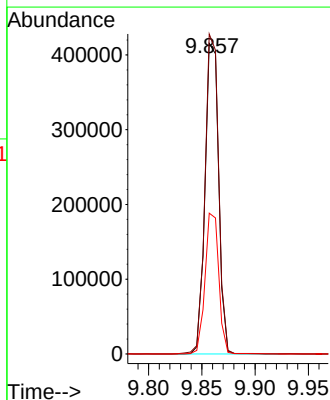
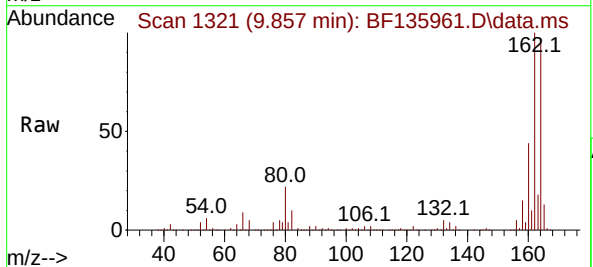
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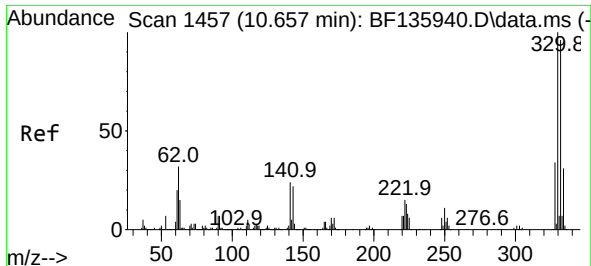
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 97.7 113.1 153.1#
77 120.2 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion:164 Resp: 371712
Ion Ratio Lower Upper
164 100
162 103.0 82.0 123.0
160 45.3 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 101.187 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

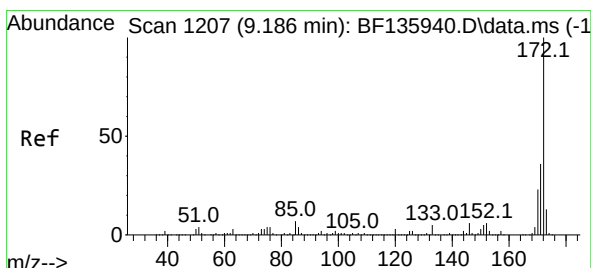
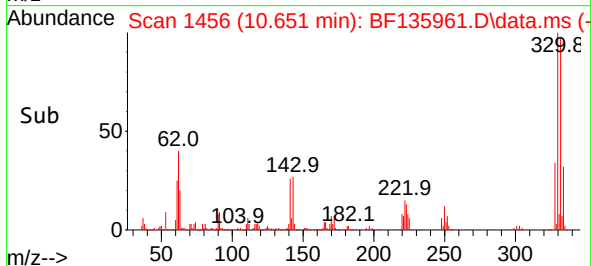
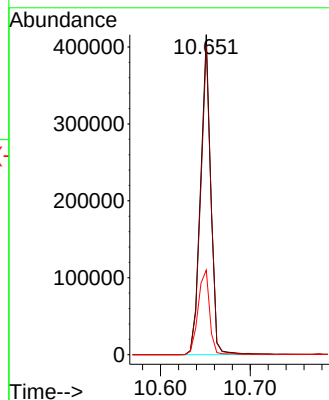
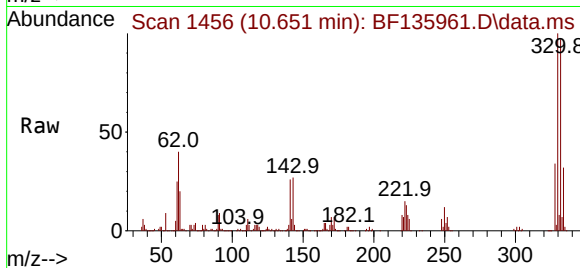
Tgt Ion:330 Resp: 329220

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 29.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 58.992 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

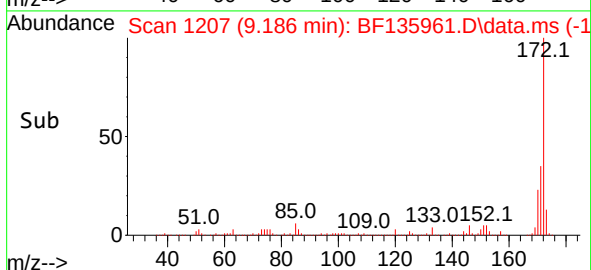
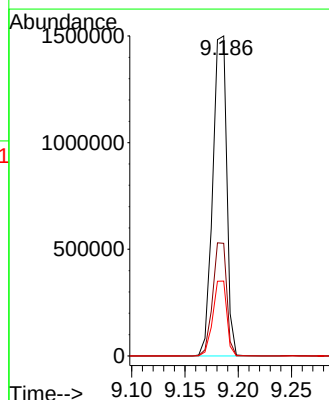
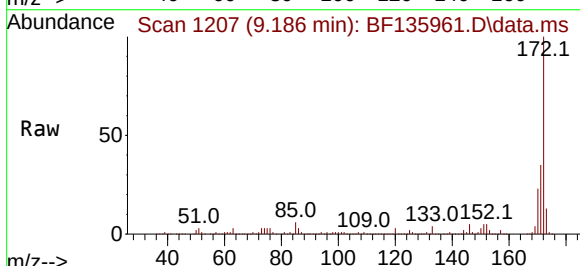
Tgt Ion:172 Resp: 1369440

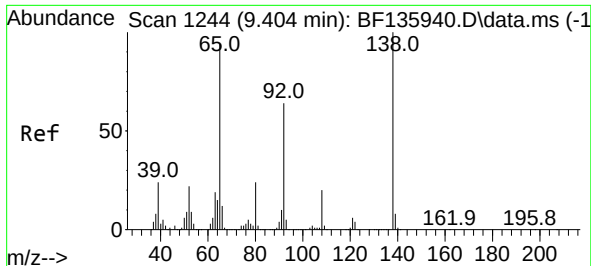
Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.4 18.6 28.0

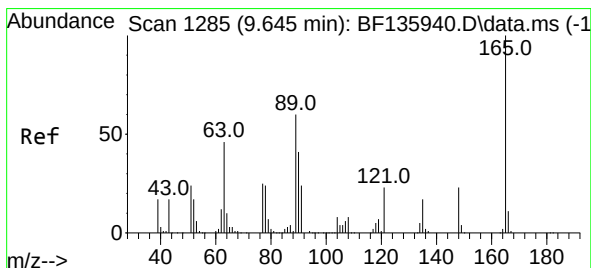
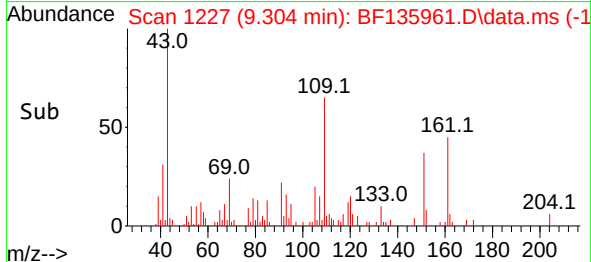
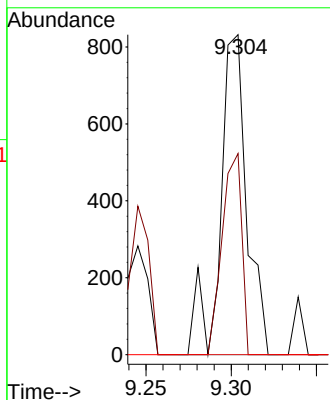
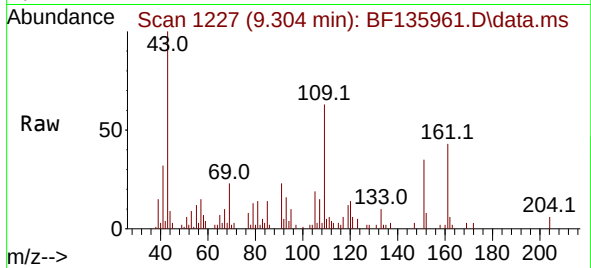




#48
2-Nitroaniline
Concen: 4.377 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.100 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

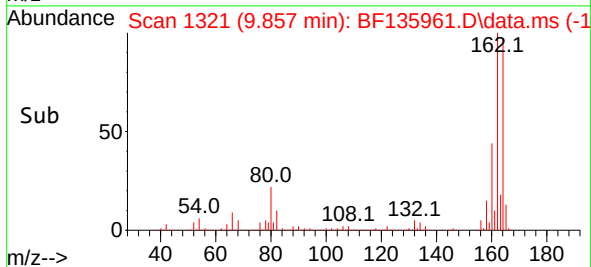
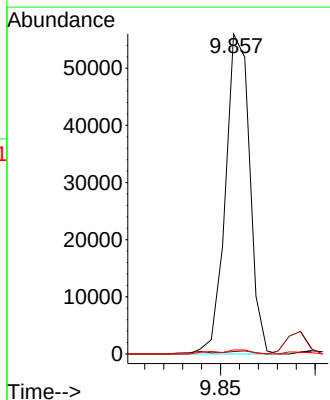
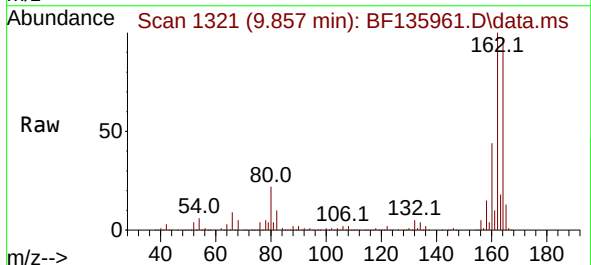
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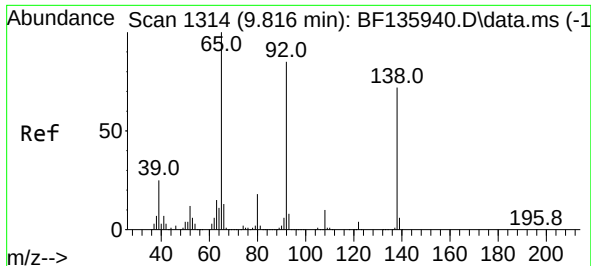
Tgt Ion: 65 Resp: 898
Ion Ratio Lower Upper
65 100
92 62.9 54.9 82.3
138 0.0 85.2 127.8#



#51
2,6-Dinitrotoluene
Concen: 13.793 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion: 165 Resp: 49664
Ion Ratio Lower Upper
165 100
63 0.8 51.7 77.5#
89 1.2 48.3 72.5#





#53

3-Nitroaniline

Concen: 4.570 ng

RT: 9.892 min Scan# 11

Delta R.T. 0.076 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

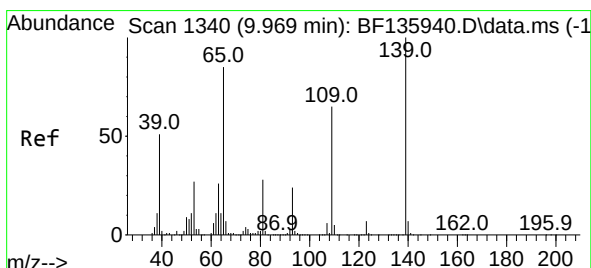
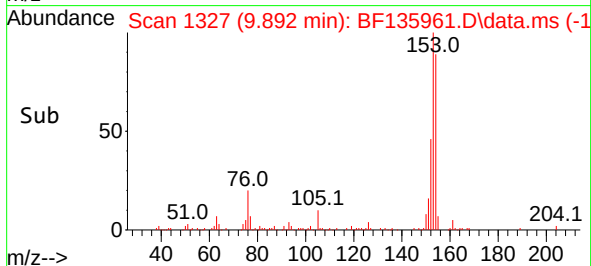
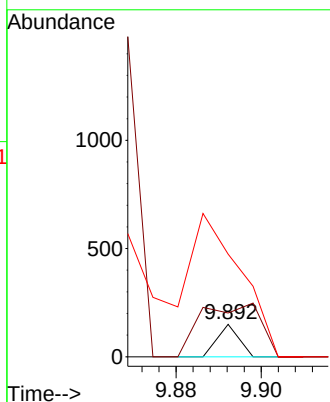
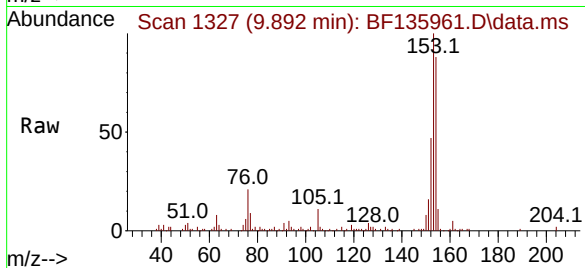
Tgt Ion:138 Resp: 53

Ion Ratio Lower Upper

138 100

108 134.7 11.3 16.9#

92 316.0 95.0 142.6#



#56

4-Nitrophenol

Concen: 10.185 ng

RT: 10.063 min Scan# 1356

Delta R.T. 0.094 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

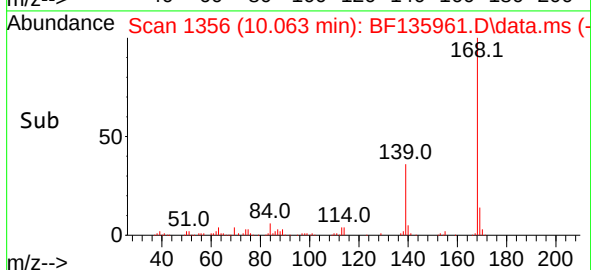
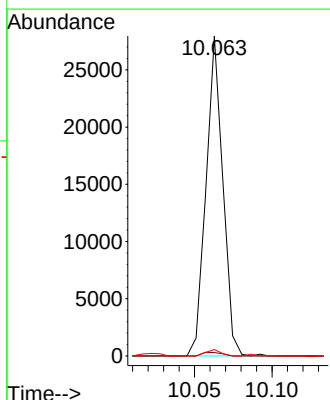
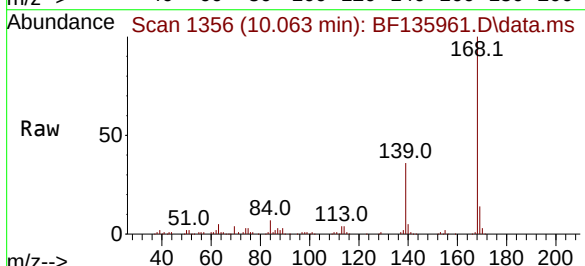
Tgt Ion:139 Resp: 21083

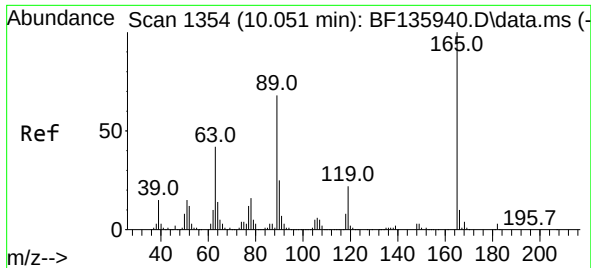
Ion Ratio Lower Upper

139 100

109 1.0 45.2 85.2#

65 2.0 65.1 105.1#

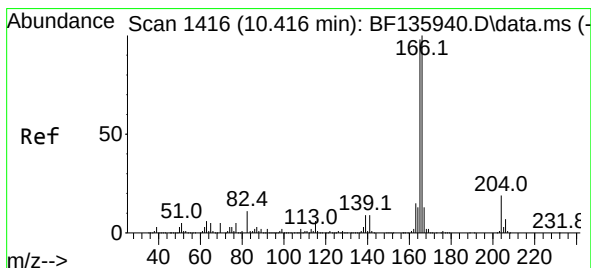
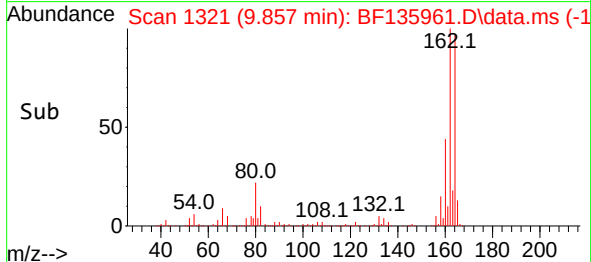
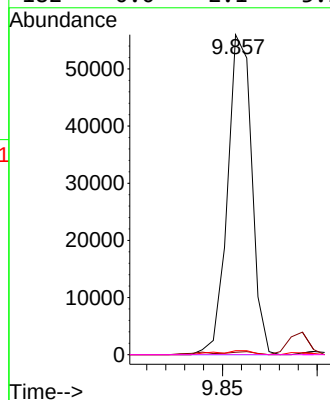
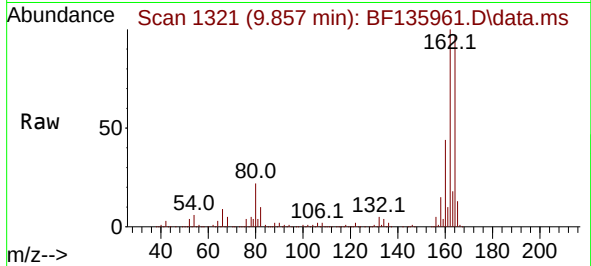




#57
2,4-Dinitrotoluene
Concen: 12.882 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

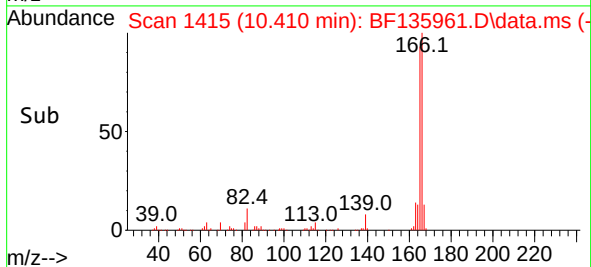
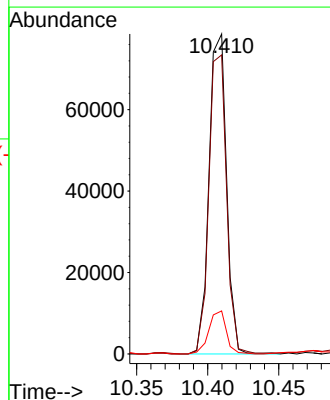
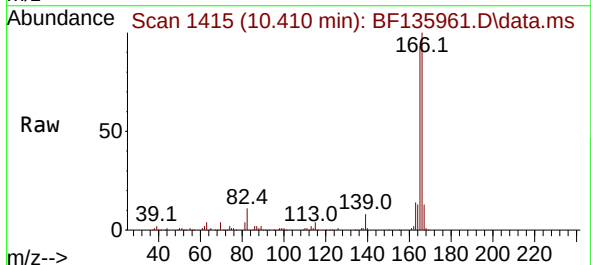
Instrument :
BNA_F
ClientSampleId :
72-11991

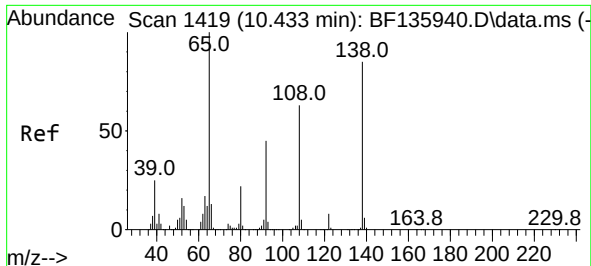
Tgt Ion:165 Resp: 49664
Ion Ratio Lower Upper
165 100
63 0.8 33.7 50.5#
89 1.2 54.6 81.8#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.958 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion:166 Resp: 67351
Ion Ratio Lower Upper
166 100
165 93.5 78.0 117.0
167 13.5 10.6 16.0





#62

4-Nitroaniline

Concen: 4.779 ng

RT: 10.410 min Scan# 1419

Delta R.T. -0.023 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

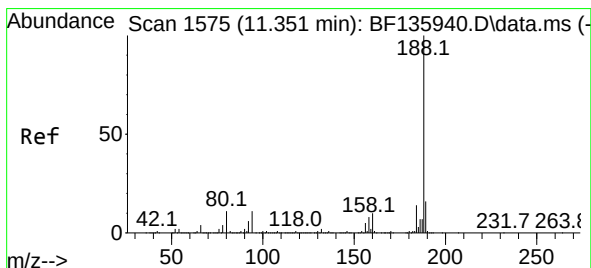
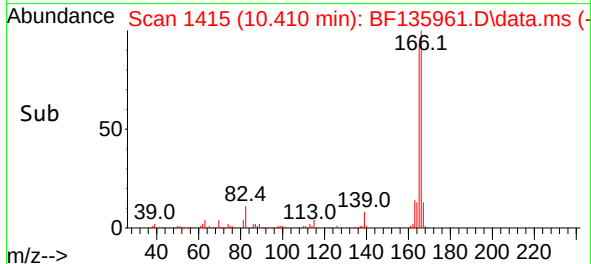
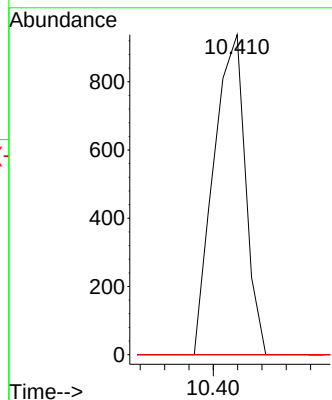
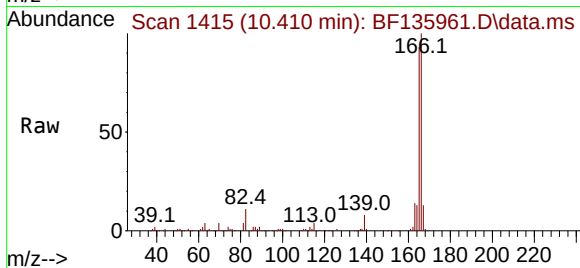
Tgt Ion:138 Resp: 847

Ion Ratio Lower Upper

138 100

92 0.0 32.9 72.9#

108 0.0 53.5 93.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

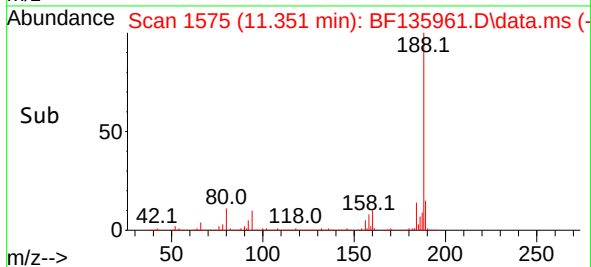
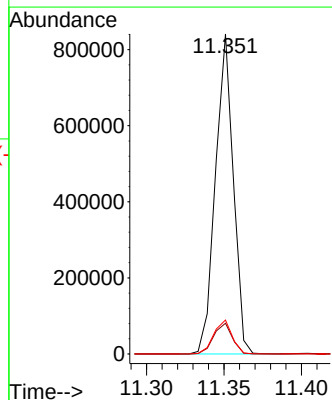
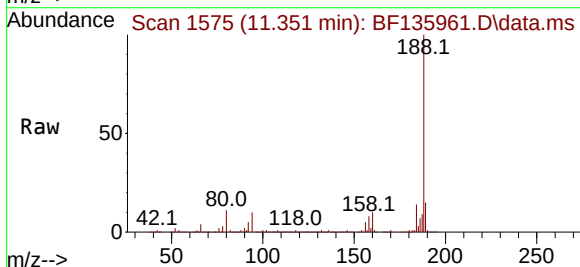
Tgt Ion:188 Resp: 674688

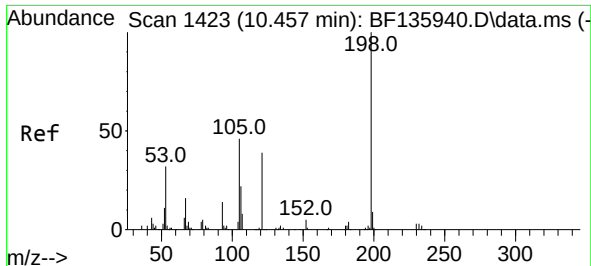
Ion Ratio Lower Upper

188 100

94 9.6 8.6 13.0

80 10.6 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.271 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.194 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

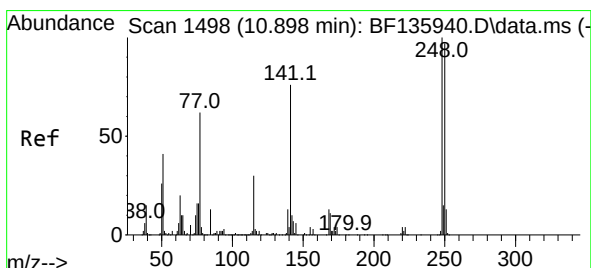
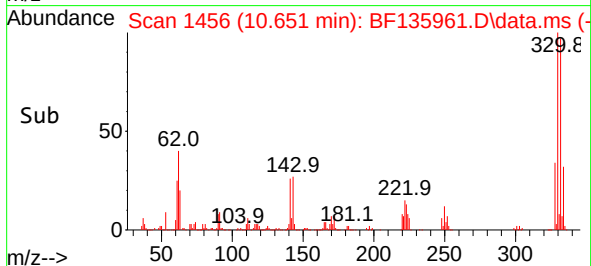
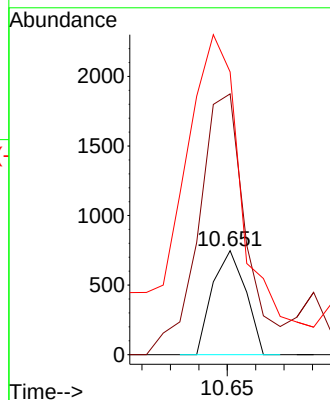
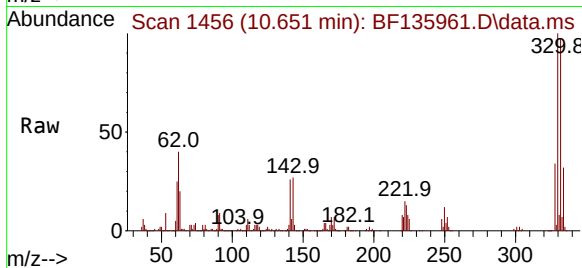
Tgt Ion:198 Resp: 607

Ion Ratio Lower Upper

198 100

51 250.5 28.7 68.7#

105 271.7 27.2 67.2#



#67

4-Bromophenyl-phenylether

Concen: 2.965 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.247 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

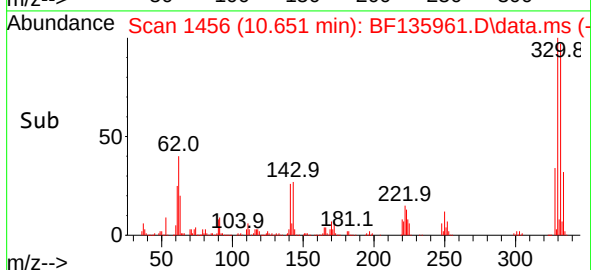
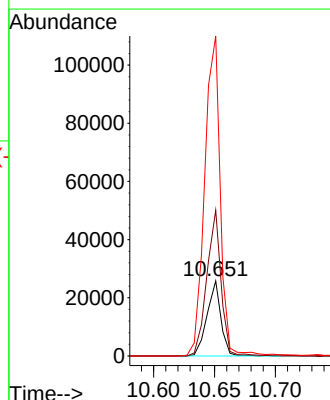
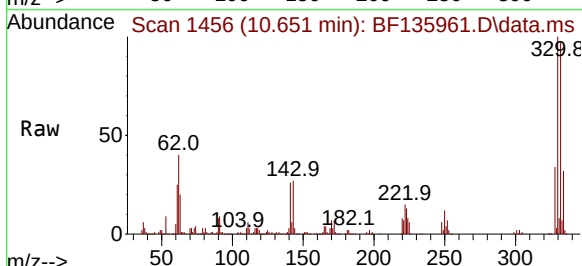
Tgt Ion:248 Resp: 20488

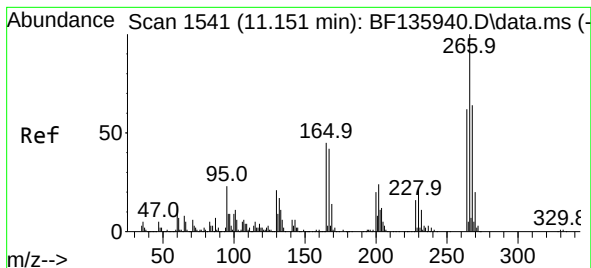
Ion Ratio Lower Upper

248 100

250 194.4 77.9 116.9#

141 426.6 60.8 91.2#





#70

Pentachlorophenol

Concen: 4.365 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

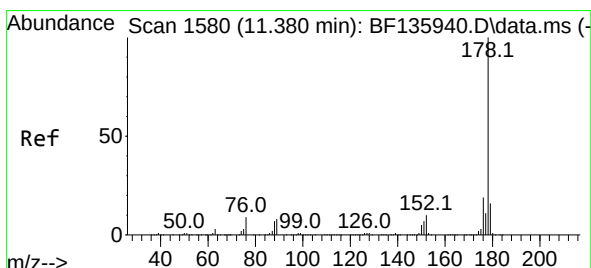
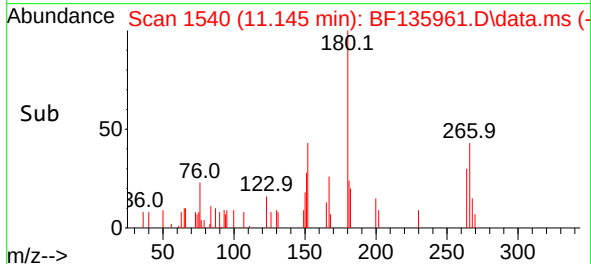
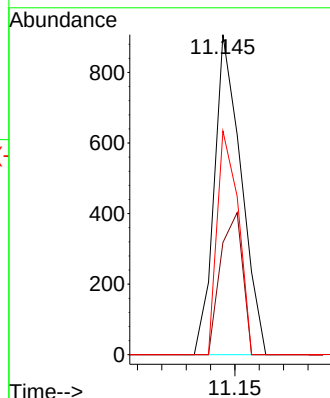
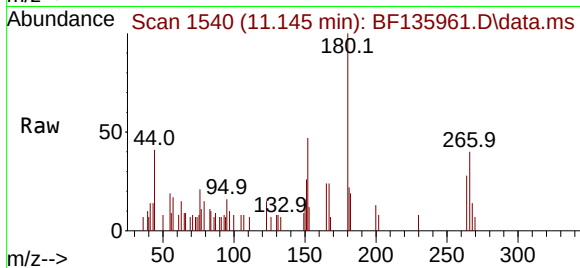
Tgt Ion:266 Resp: 695

Ion Ratio Lower Upper

266 100

268 35.1 50.8 76.2#

264 69.9 49.8 74.6



#71

Phenanthrene

Concen: 6.260 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

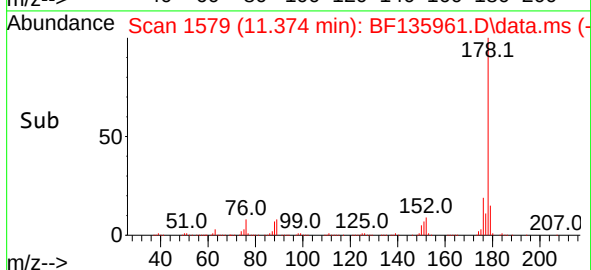
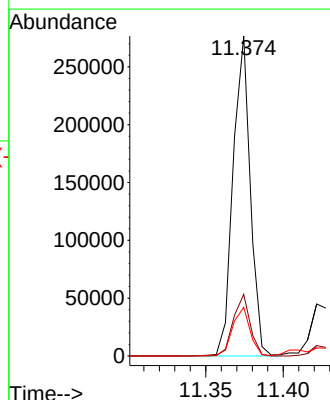
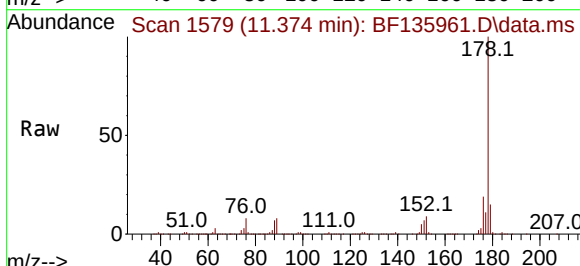
Tgt Ion:178 Resp: 213677

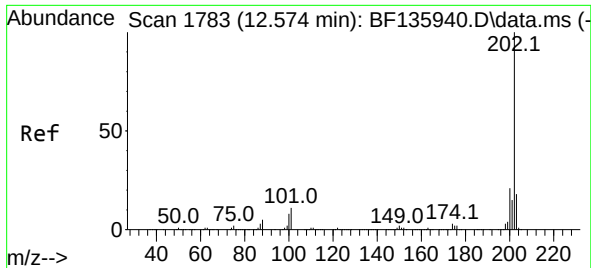
Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.2 12.5 18.7

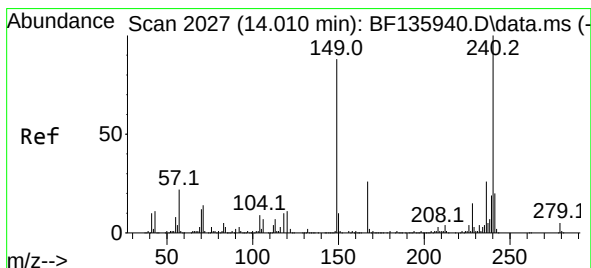
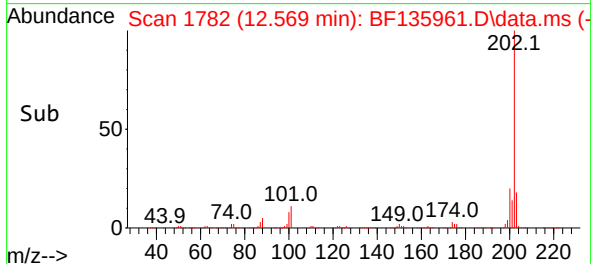
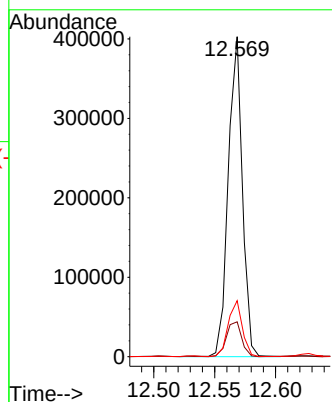
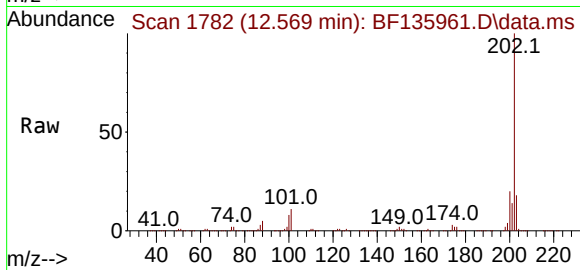




#75
Fluoranthene
Concen: 9.082 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

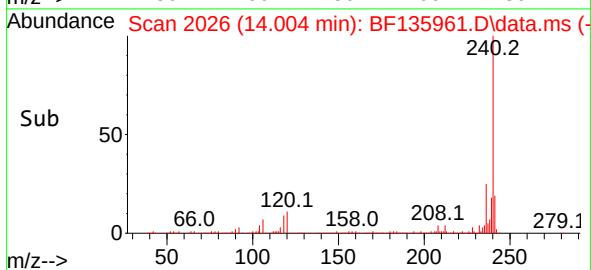
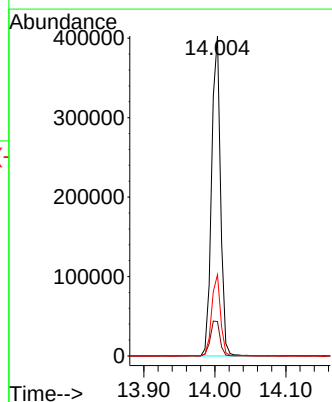
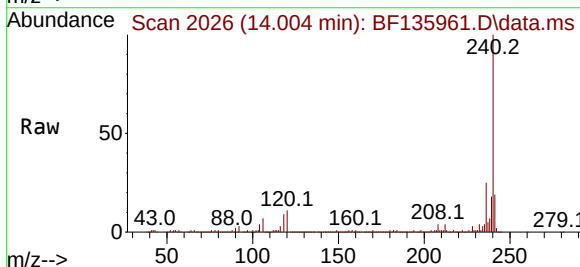
Instrument :
BNA_F
ClientSampleId :
72-11991

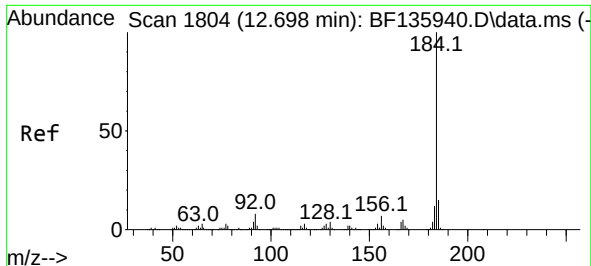
Tgt Ion:202 Resp: 326140
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.6
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion:240 Resp: 352237
Ion Ratio Lower Upper
240 100
120 10.8 8.6 13.0
236 25.4 20.6 30.8

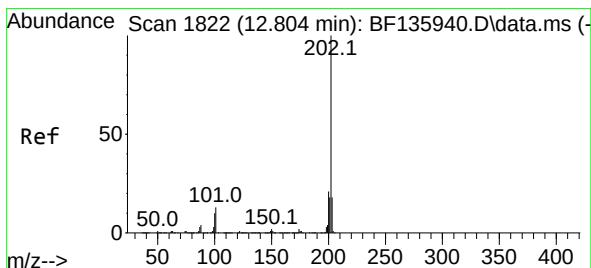
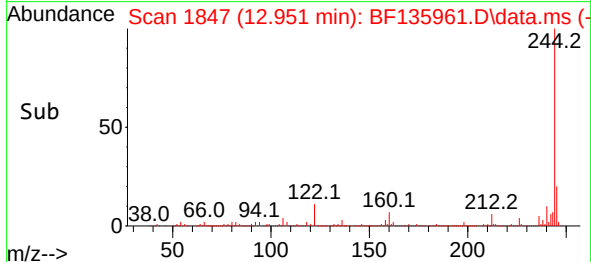
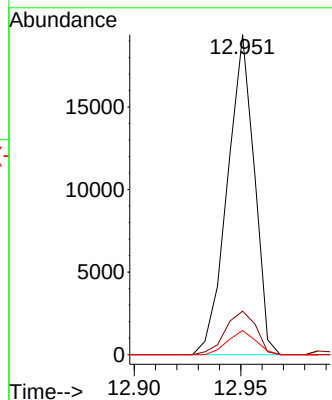
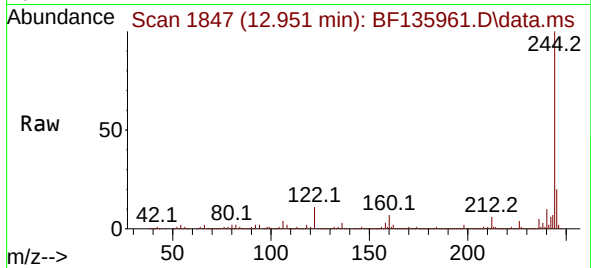




#77
Benzidine
Concen: 2.507 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

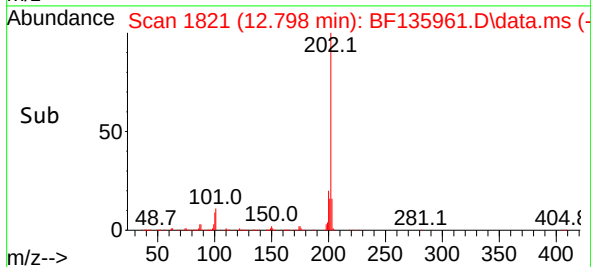
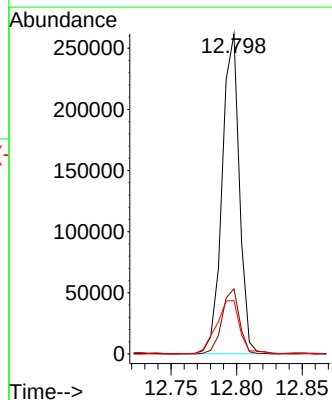
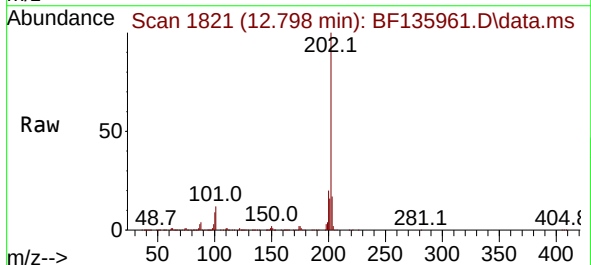
Instrument :
BNA_F
ClientSampleId :
72-11991

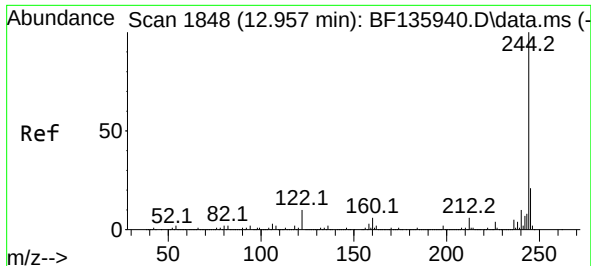
Tgt Ion:184 Resp: 17027
Ion Ratio Lower Upper
184 100
185 13.6 11.7 17.5
183 7.5 9.2 13.8#



#78
Pyrene
Concen: 8.079 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

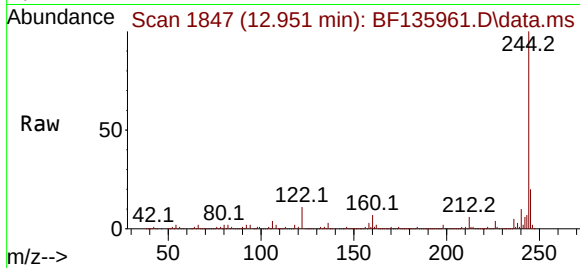
Tgt Ion:202 Resp: 238927
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 16.7 14.5 21.7



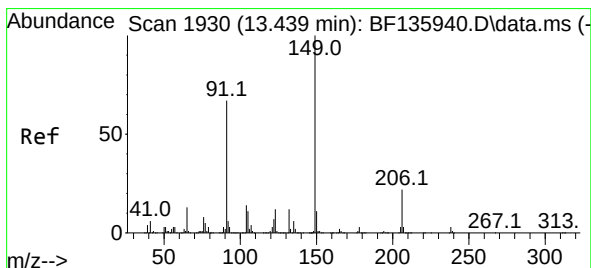
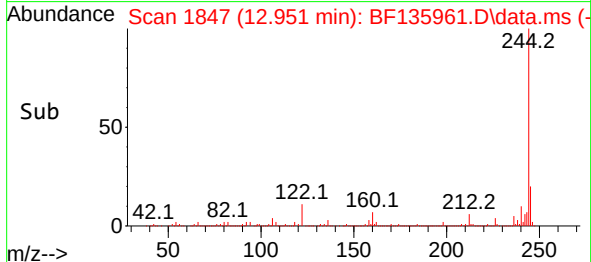
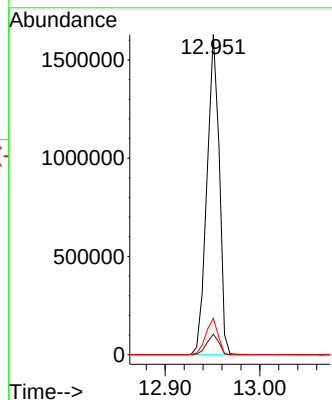


#79
 Terphenyl-d14
 Concen: 69.443 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135961.D
 Acq: 26 Oct 2023 14:00

Instrument :
 BNA_F
 ClientSampleId :
 72-11991

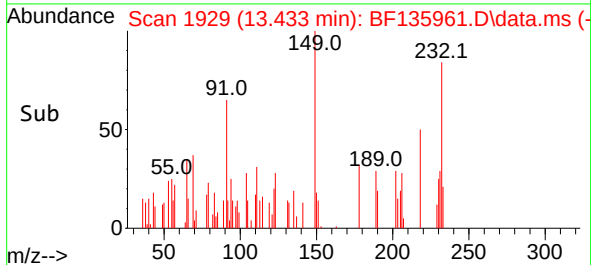
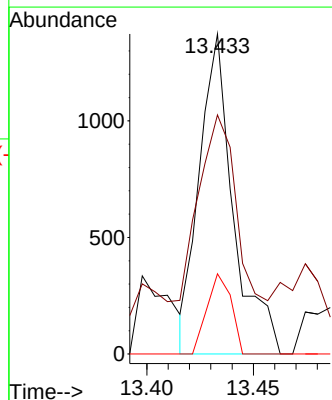
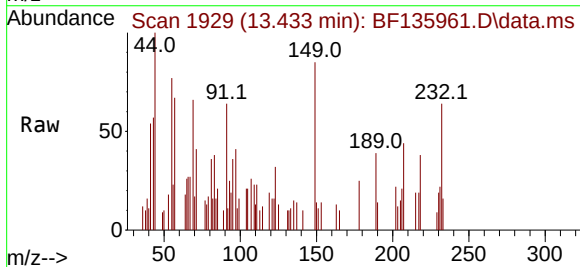


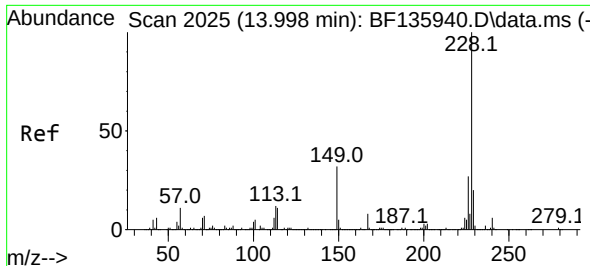
Tgt Ion:244 Resp: 1464014
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.6
 122 11.3 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.952 ng
 RT: 13.433 min Scan# 1929
 Delta R.T. -0.006 min
 Lab File: BF135961.D
 Acq: 26 Oct 2023 14:00

Tgt Ion:149 Resp: 1520
 Ion Ratio Lower Upper
 149 100
 91 74.7 53.4 80.0
 206 25.1 17.5 26.3

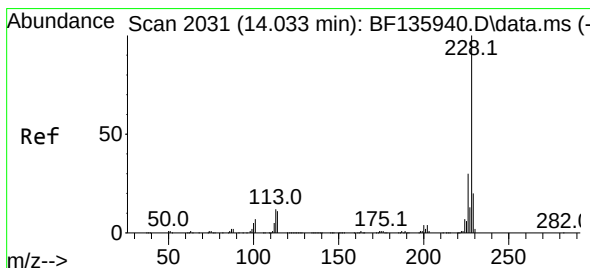
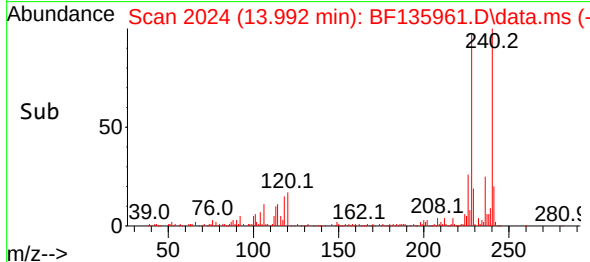
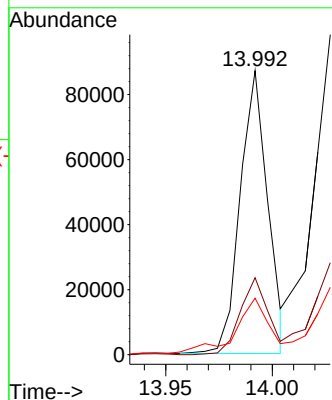
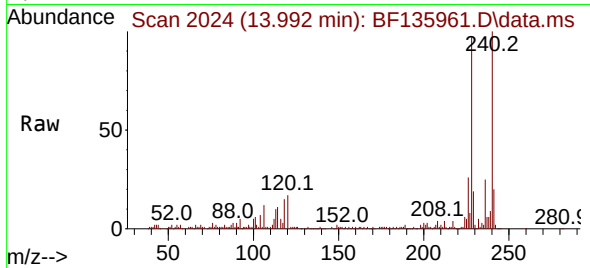




#81
Benzo(a)anthracene
Concen: 3.265 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

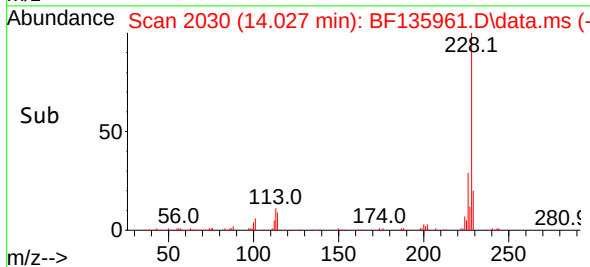
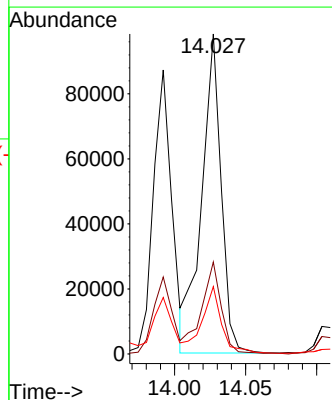
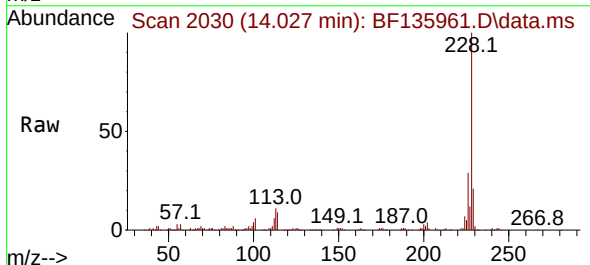
Instrument :
BNA_F
ClientSampleId :
72-11991

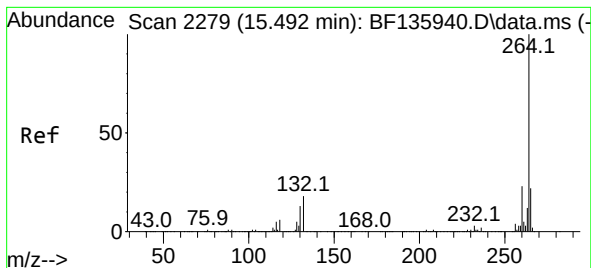
Tgt Ion:228 Resp: 78196
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.6
229 19.9 16.2 24.4



#83
Chrysene
Concen: 4.036 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion:228 Resp: 94145
Ion Ratio Lower Upper
228 100
226 28.8 23.9 35.9
229 21.0 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991

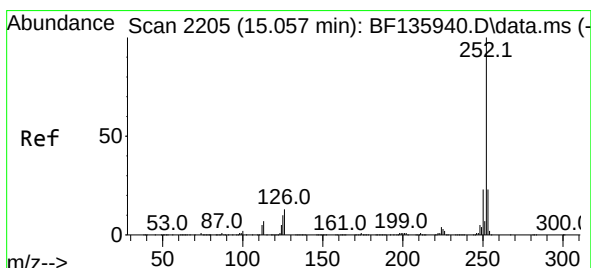
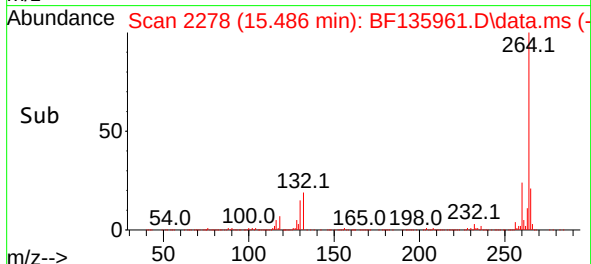
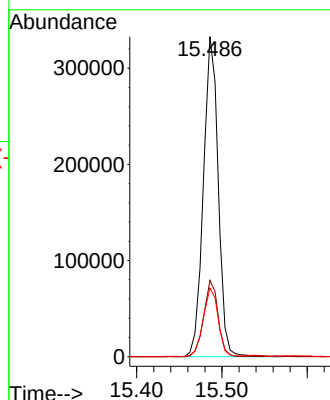
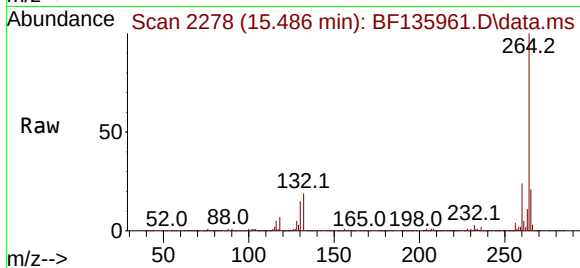
Tgt Ion:264 Resp: 402048

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 21.5 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 5.306 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF135961.D

Acq: 26 Oct 2023 14:00

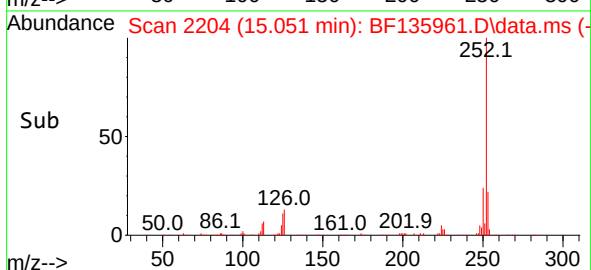
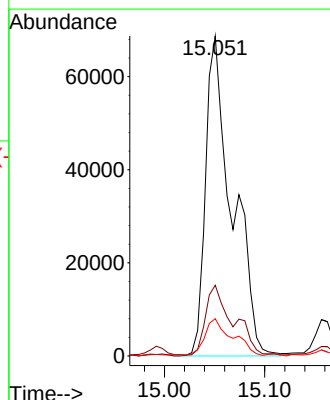
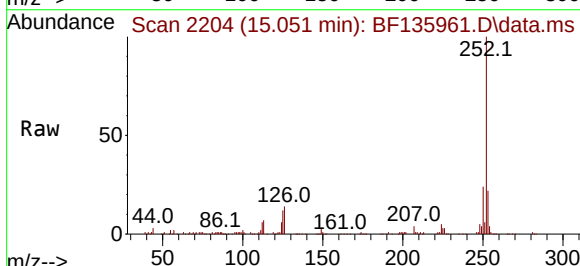
Tgt Ion:252 Resp: 126959

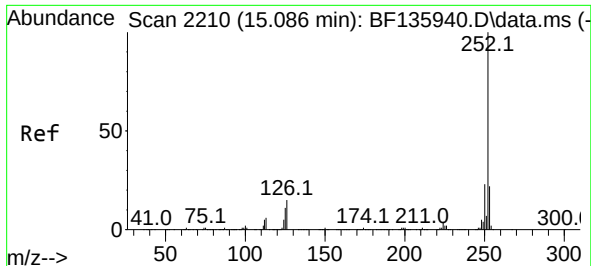
Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 11.6 8.2 12.4

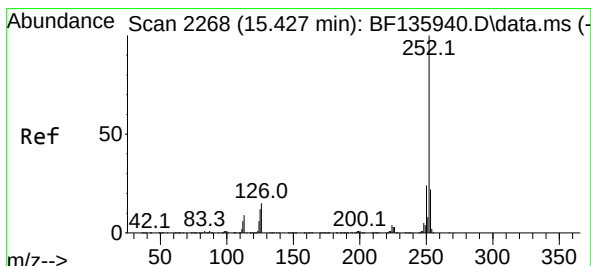
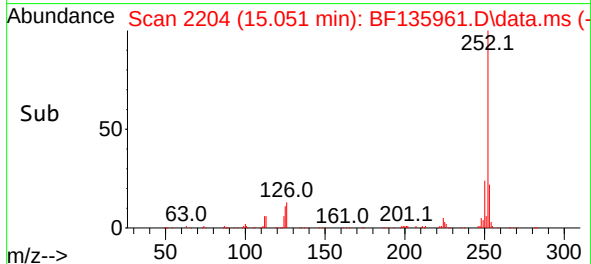
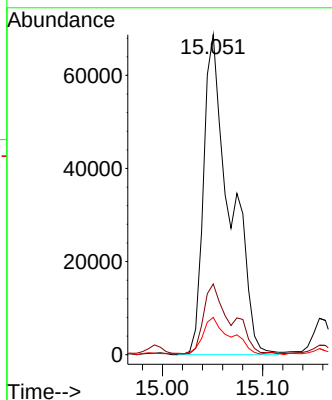
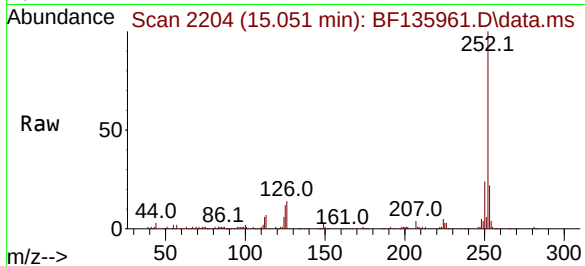




#89
Benzo(k)fluoranthene
Concen: 5.403 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

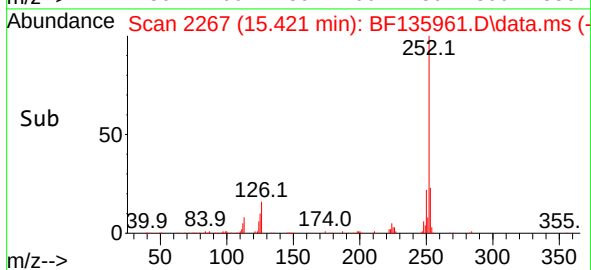
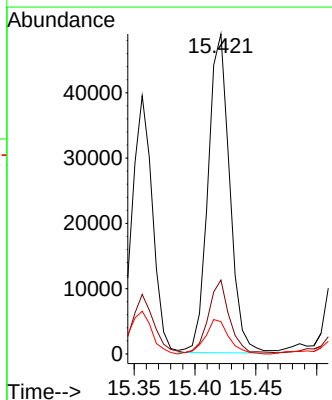
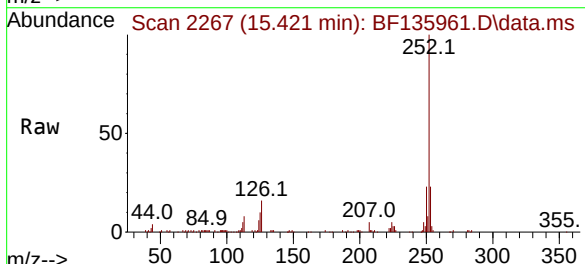
Instrument :
BNA_F
ClientSampleId :
72-11991

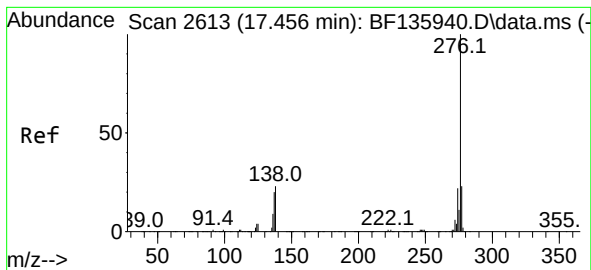
Tgt Ion:252 Resp: 126959
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.6 8.5 12.7



#90
Benzo(a)pyrene
Concen: 2.749 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF135961.D
Acq: 26 Oct 2023 14:00

Tgt Ion:252 Resp: 60614
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 10.1 9.6 14.4





#92

Benzo(g,h,i)perylene

Concen: 4.069 ng

RT: 17.668 min Scan# 20

Delta R.T. 0.212 min

Lab File: BF135961.D

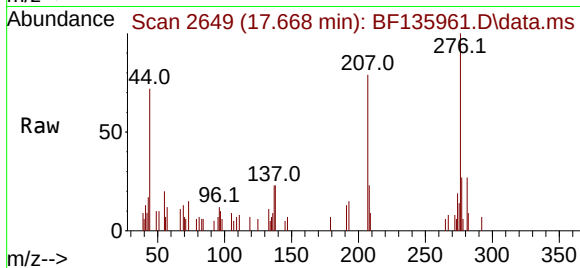
Acq: 26 Oct 2023 14:00

Instrument :

BNA_F

ClientSampleId :

72-11991



Tgt Ion:276 Resp: 7490

Ion Ratio Lower Upper

276 100

277 27.4 18.6 28.0

138 23.3 18.4 27.6

