

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136978.D
 Acq On : 05 Jan 2024 16:23
 Operator : CG\JU
 Sample : P1003-01RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Quant Time: Jan 05 16:44:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

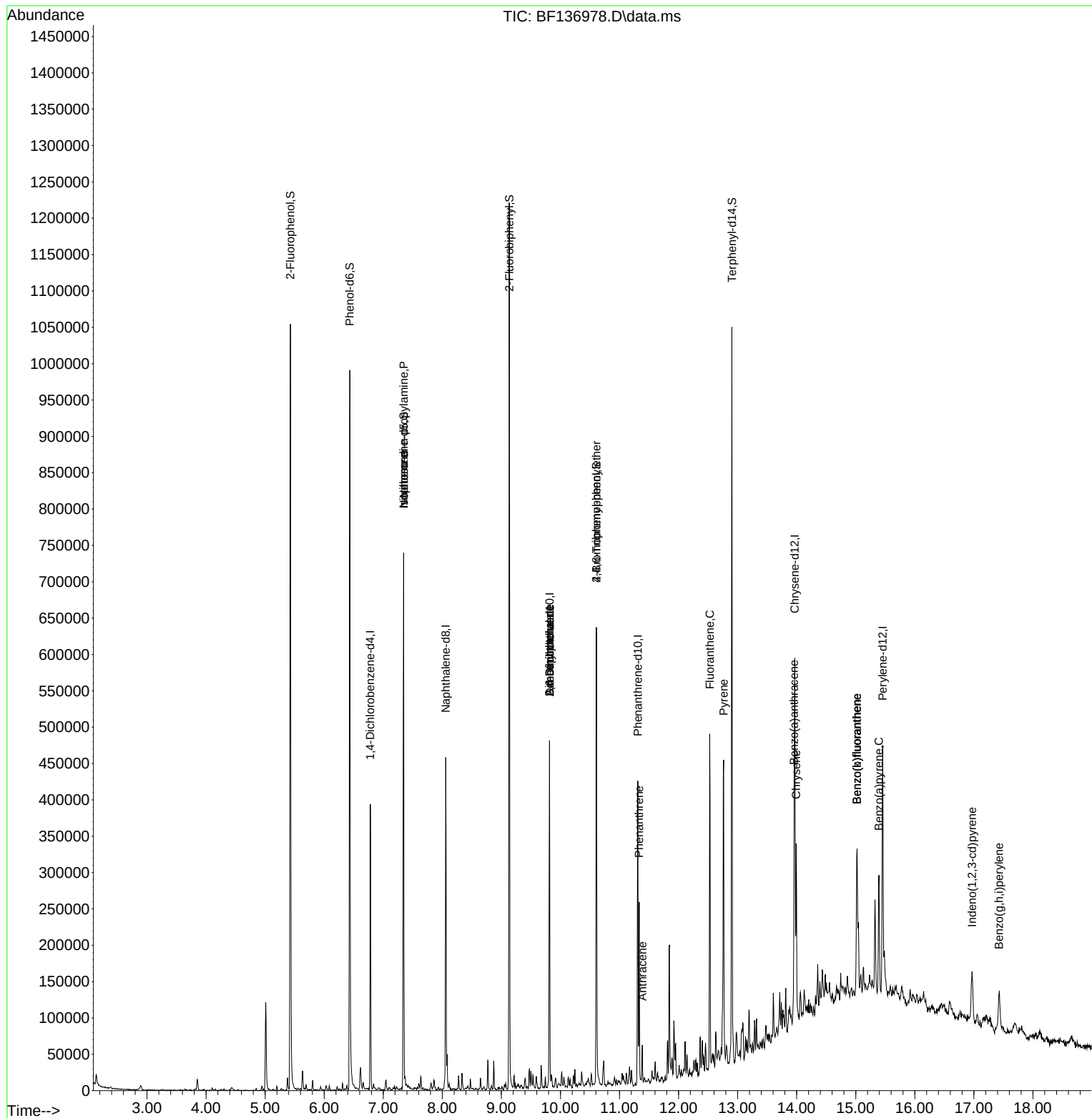
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	54600	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	190540	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	87664	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	145944	20.000	ng	0.00
76) Chrysene-d12	13.968	240	130488	20.000	ng	0.00
86) Perylene-d12	15.457	264	149982	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	273813	78.247	ng	0.00
7) Phenol-d6	6.434	99	322411	71.105	ng	0.00
23) Nitrobenzene-d5	7.345	82	208452	55.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	76317	73.919	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	361180	55.414	ng	-0.02
79) Terphenyl-d14	12.904	244	317429	33.995	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	27528	10.015	ng	# 73
25) Isophorone	7.345	82	208449	30.765	ng	# 65
50) Dimethylphthalate	9.816	163	17109	2.672	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11579	7.968	ng	# 31
57) 2,4-Dinitrotoluene	9.816	165	11579	6.138	ng	# 22
67) 4-Bromophenyl-phenylether	10.610	248	4557	2.812	ng	# 1
71) Phenanthrene	11.333	178	85328	11.395	ng	100
72) Anthracene	11.386	178	19395	2.557	ng	99
75) Fluoranthene	12.527	202	176793	22.071	ng	97
78) Pyrene	12.763	202	183383	14.316	ng	98
81) Benzo(a)anthracene	13.957	228	97018	10.707	ng	95
83) Chrysene	13.992	228	89341	10.083	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	43618	4.028	ng	96
88) Benzo(b)fluoranthene	15.021	252	149218	14.896	ng	# 95
89) Benzo(k)fluoranthene	15.021	252	149218	15.764	ng	95
90) Benzo(a)pyrene	15.392	252	79241	9.371	ng	96
92) Benzo(g,h,i)perylene	17.427	276	41586	4.570	ng	98

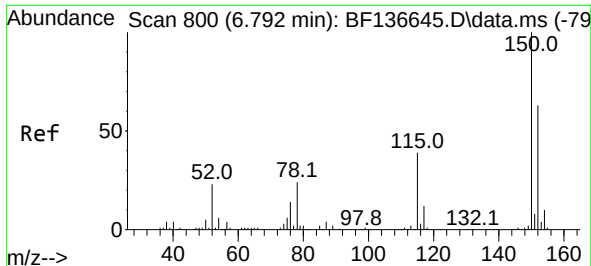
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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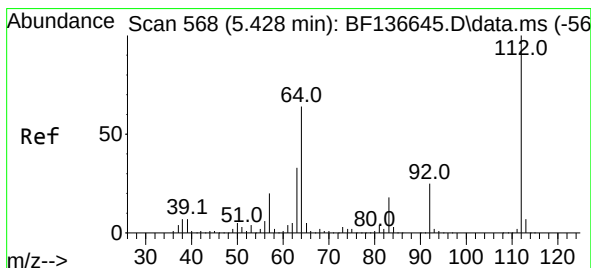
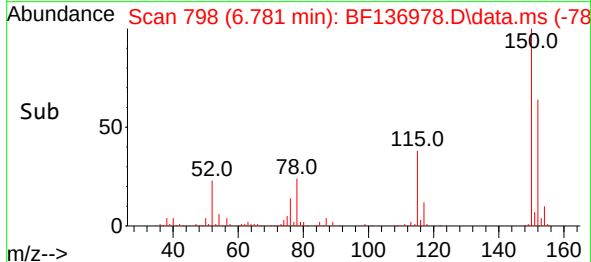
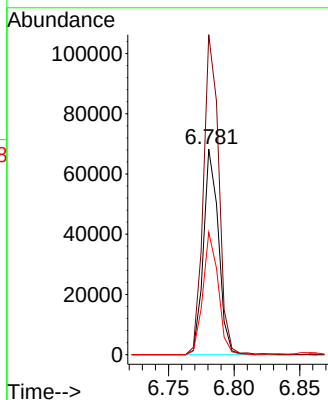
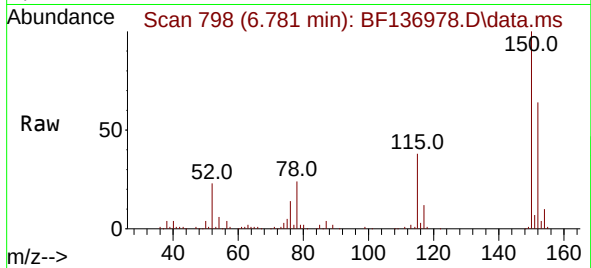




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF136978.D
 Acq: 05 Jan 2024 16:23

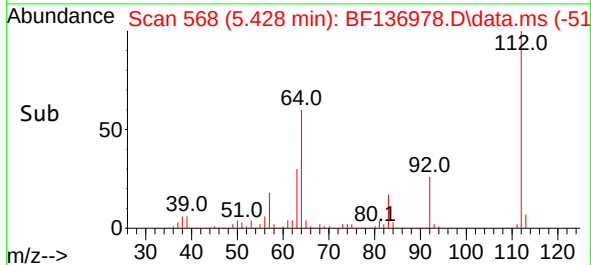
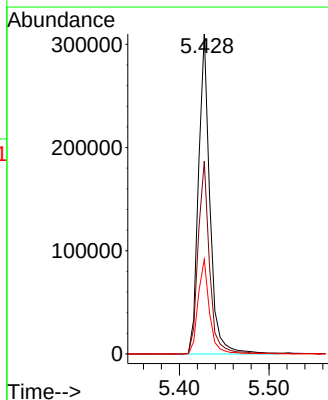
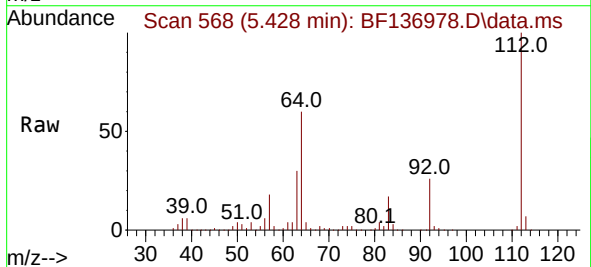
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

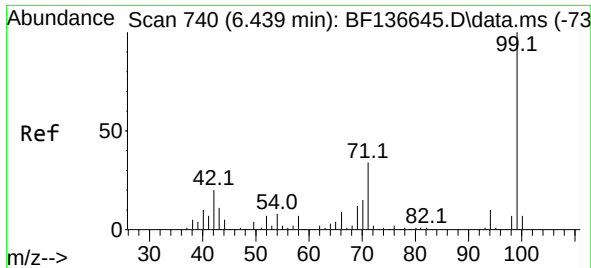
Tgt Ion:152 Resp: 54600
 Ion Ratio Lower Upper
 152 100
 150 155.7 127.0 190.6
 115 59.6 49.0 73.4



#5
 2-Fluorophenol
 Concen: 78.247 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136978.D
 Acq: 05 Jan 2024 16:23

Tgt Ion:112 Resp: 273813
 Ion Ratio Lower Upper
 112 100
 64 60.2 51.1 76.7
 63 29.6 26.1 39.1

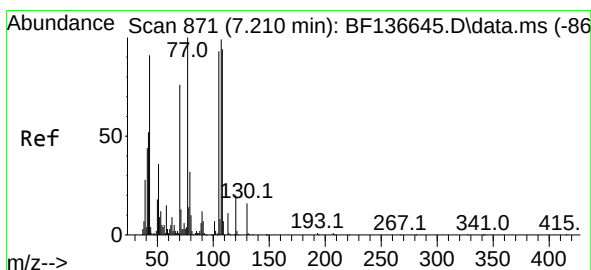
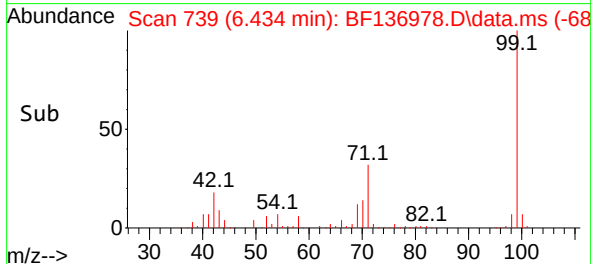
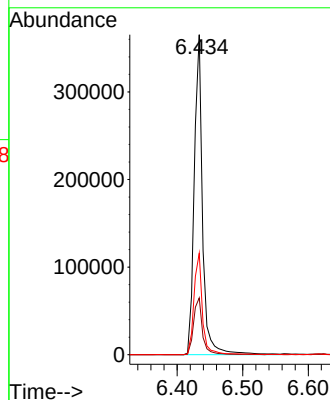
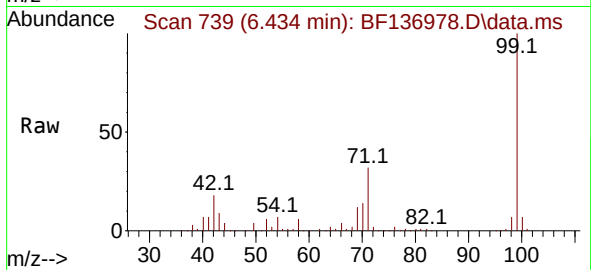




#7
Phenol-d6
Concen: 71.105 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

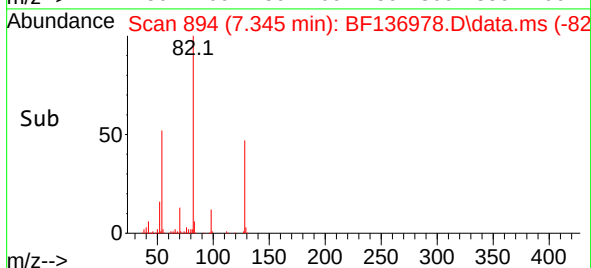
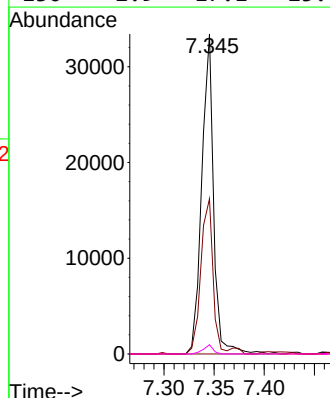
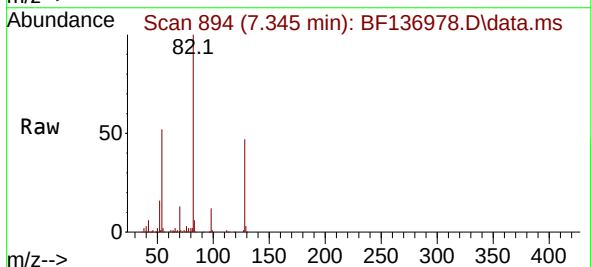
Instrument :
BNA_F
ClientSampleId :
72-11978

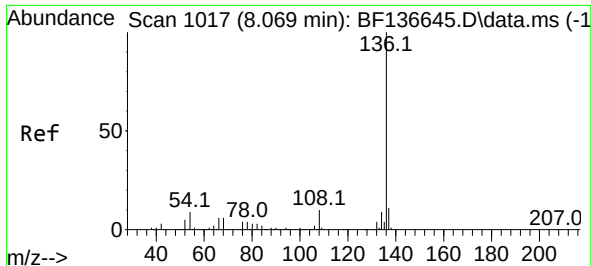
Tgt Ion: 99 Resp: 322411
Ion Ratio Lower Upper
99 100
42 17.8 16.1 24.1
71 31.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.015 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Tgt Ion: 70 Resp: 27528
Ion Ratio Lower Upper
70 100
42 48.5 54.2 81.4#
101 0.0 7.6 11.4#
130 2.9 17.1 25.7#



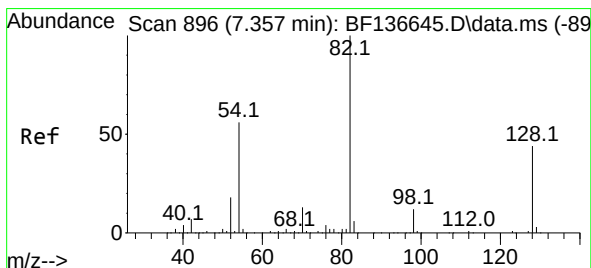
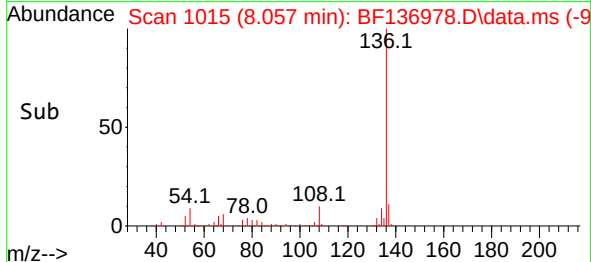
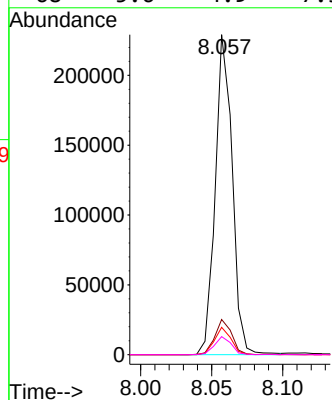
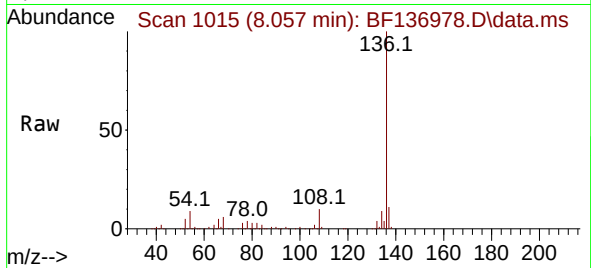


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:136 Resp: 190540

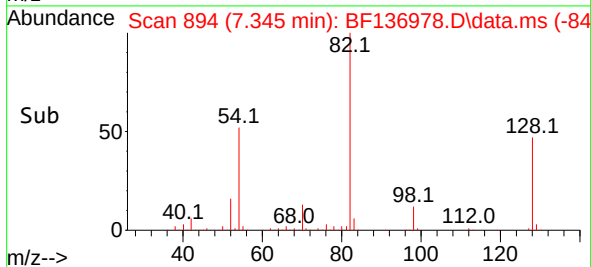
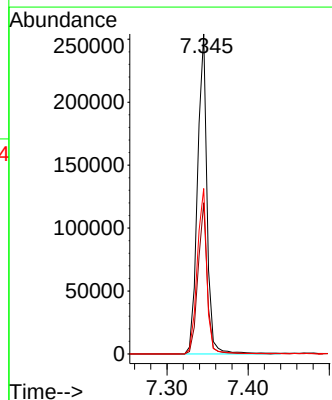
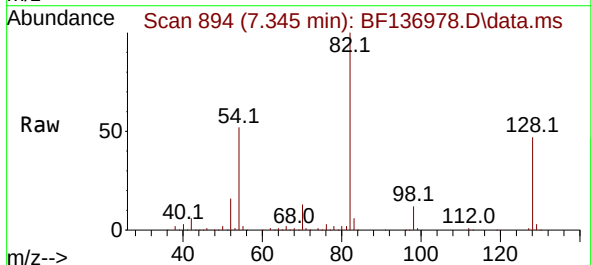
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.6	7.2	10.8
68	5.6	4.9	7.3

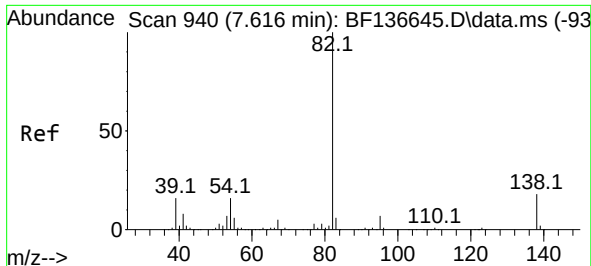


#23
Nitrobenzene-d5
Concen: 55.981 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Tgt Ion: 82 Resp: 208452

Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.3	52.9
54	51.7	44.5	66.7

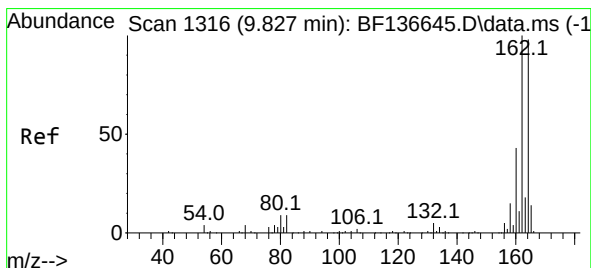
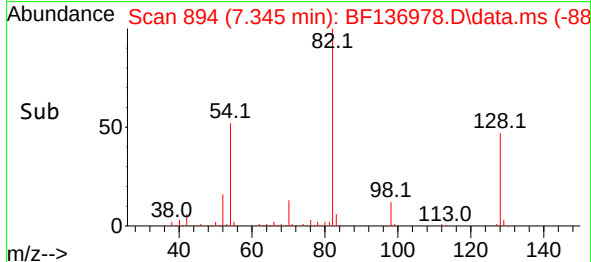
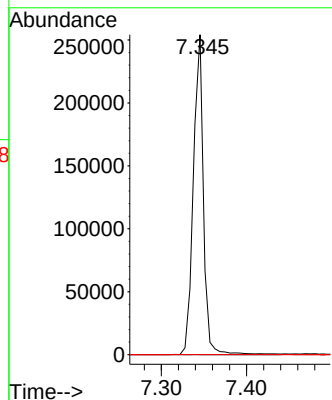
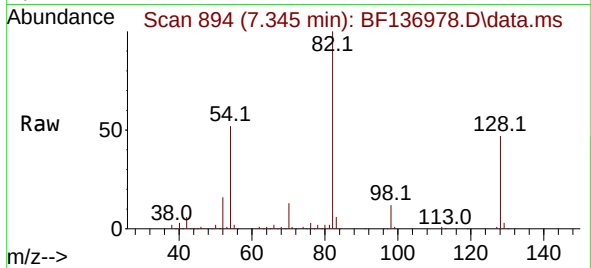




#25
Isophorone
Concen: 30.765 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

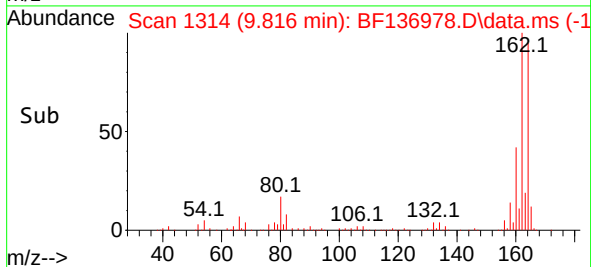
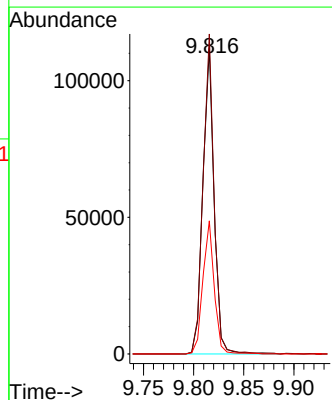
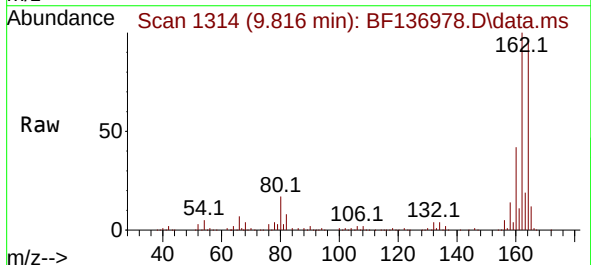
Instrument :
BNA_F
ClientSampleId :
72-11978

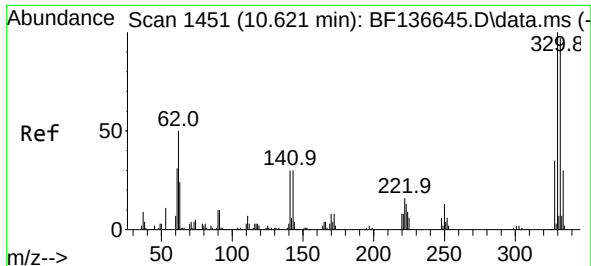
Tgt Ion: 82 Resp: 208449
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Tgt Ion:164 Resp: 87664
Ion Ratio Lower Upper
164 100
162 104.7 81.6 122.4
160 43.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 73.919 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136978.D

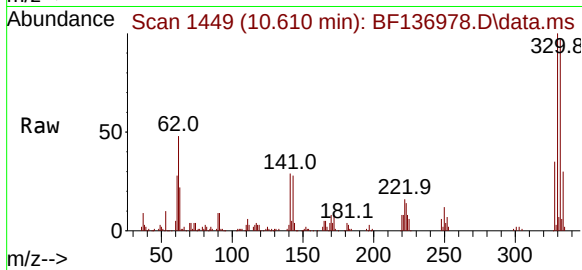
Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978



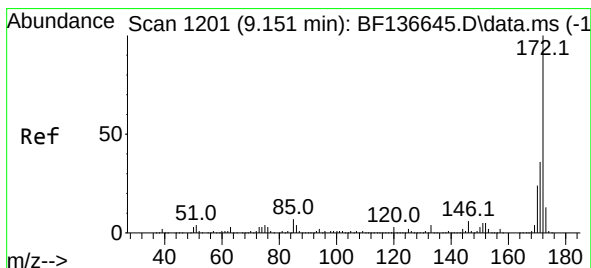
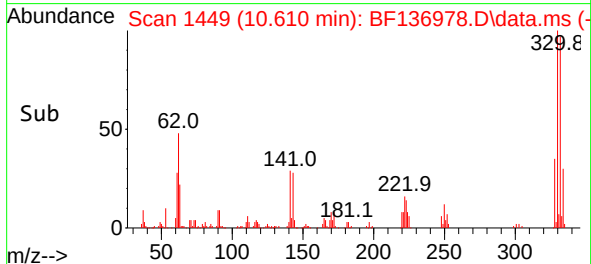
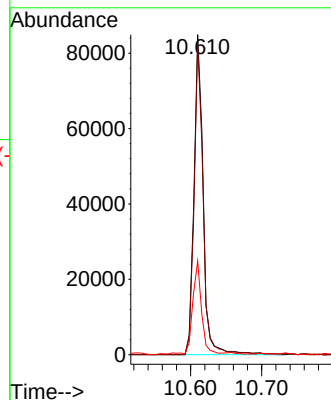
Tgt Ion:330 Resp: 76317

Ion Ratio Lower Upper

330 100

332 95.3 77.4 116.0

141 28.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 55.414 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

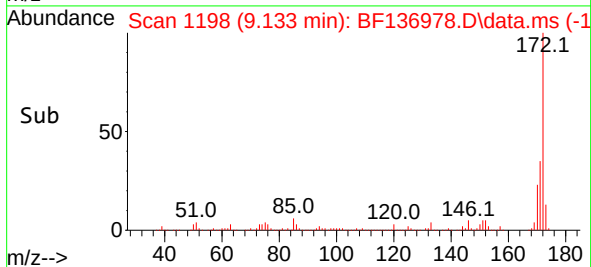
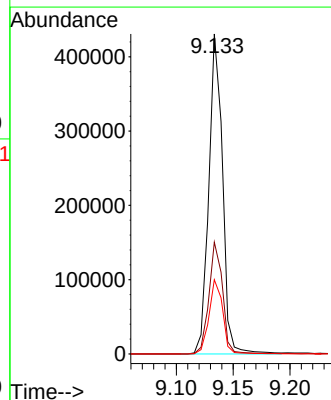
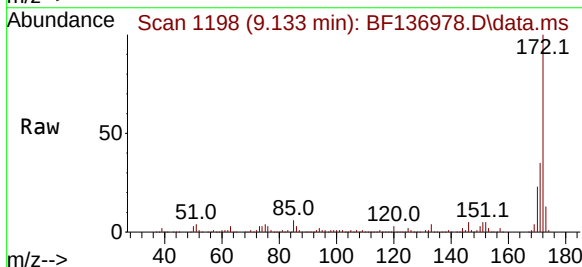
Tgt Ion:172 Resp: 361180

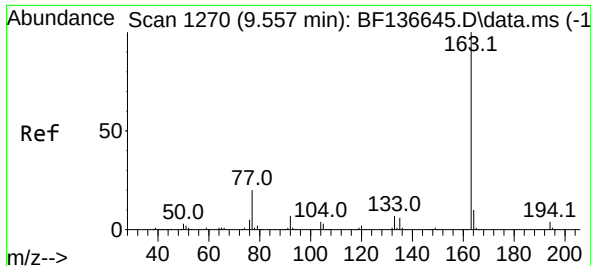
Ion Ratio Lower Upper

172 100

171 35.0 29.0 43.6

170 23.2 19.0 28.4

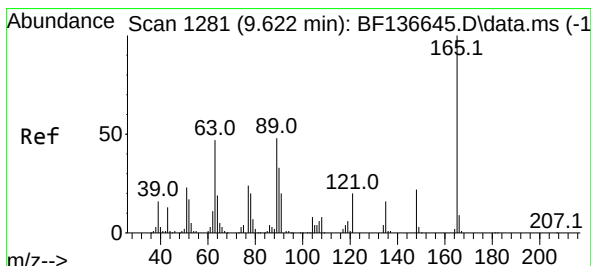
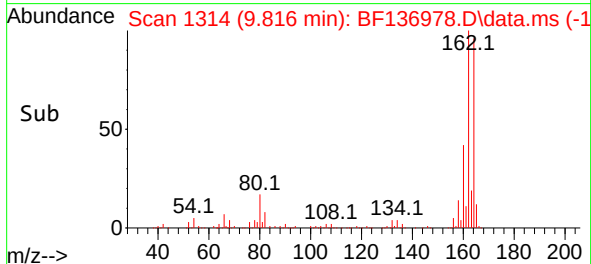
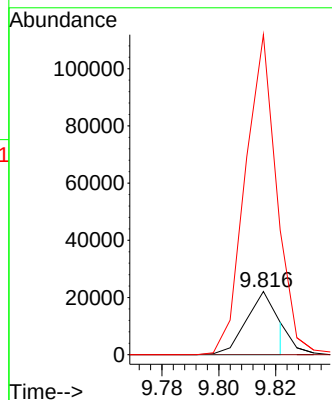
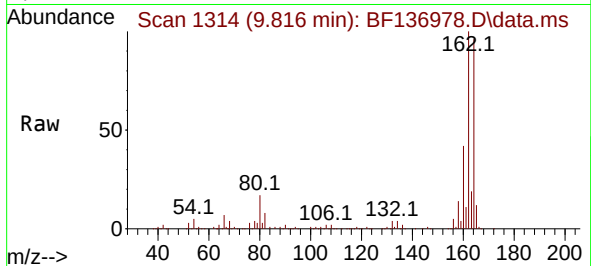




#50
Dimethylphthalate
Concen: 2.672 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

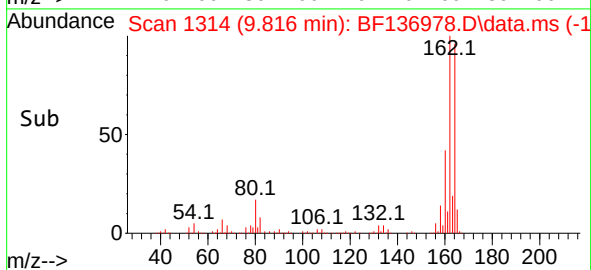
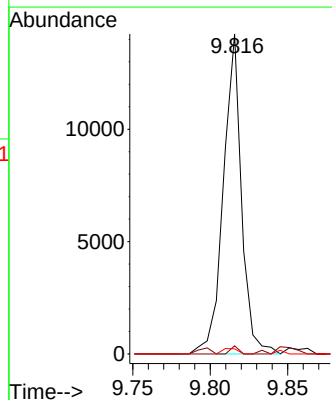
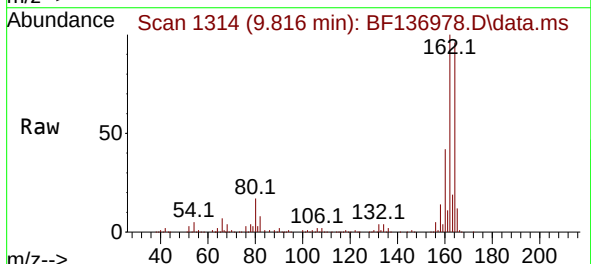
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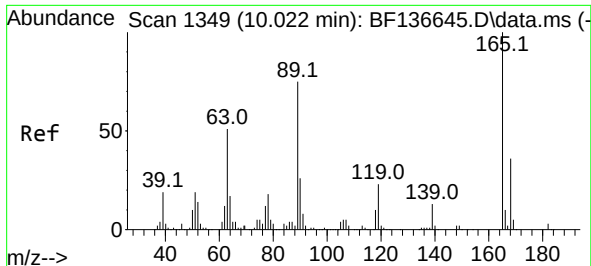
Tgt Ion:163 Resp: 17109
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 506.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.968 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Tgt Ion:165 Resp: 11579
Ion Ratio Lower Upper
165 100
63 2.6 39.8 59.6#
89 1.6 38.8 58.2#

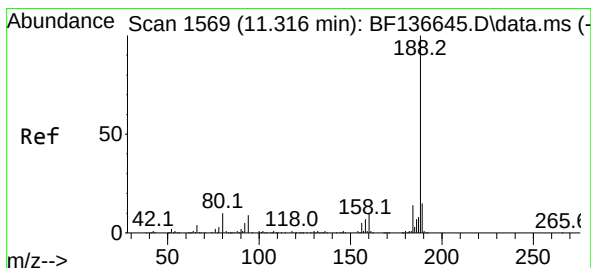
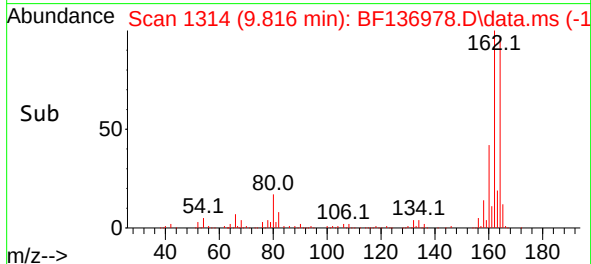
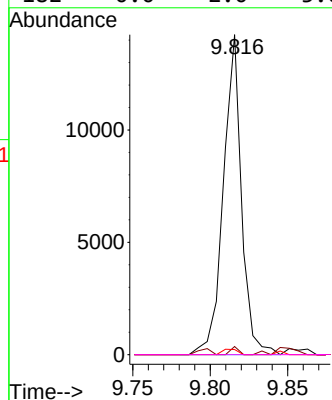
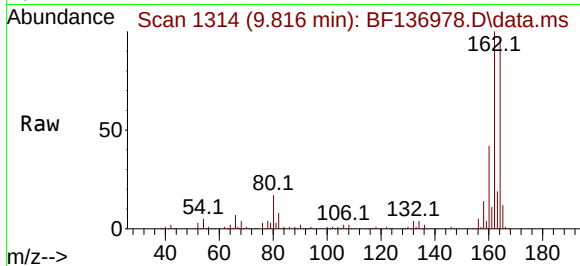




#57
2,4-Dinitrotoluene
Concen: 6.138 ng
RT: 9.816 min Scan# 11579
Delta R.T. -0.206 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

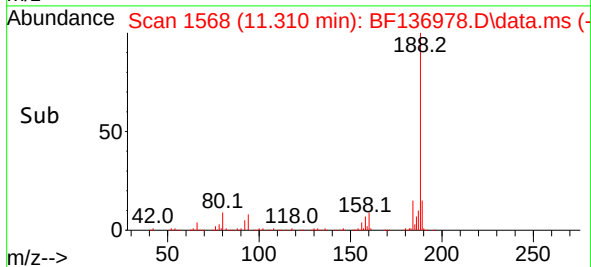
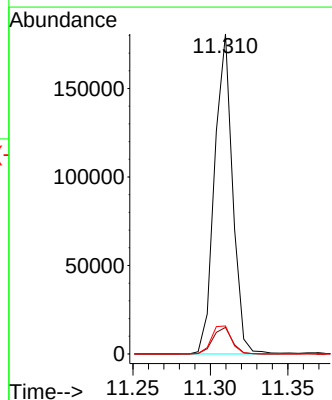
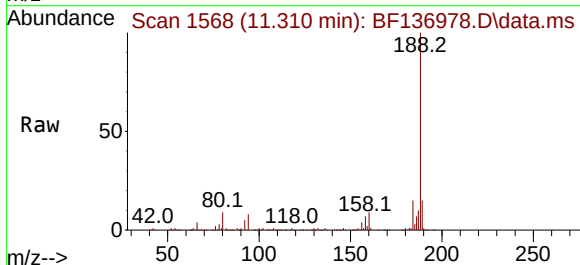
Instrument :
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ClientSampleId :
72-11978

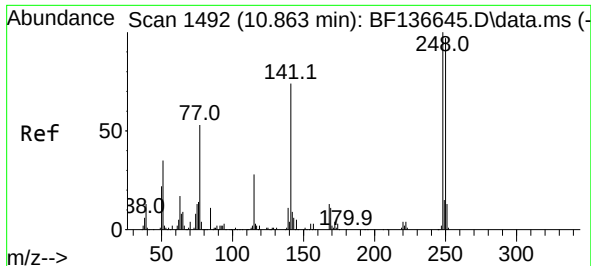
Tgt Ion:165 Resp: 11579
Ion Ratio Lower Upper
165 100
63 2.6 41.0 61.6#
89 1.6 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Tgt Ion:188 Resp: 145944
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 8.7 8.1 12.1





#67

4-Bromophenyl-phenylether

Concen: 2.812 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978

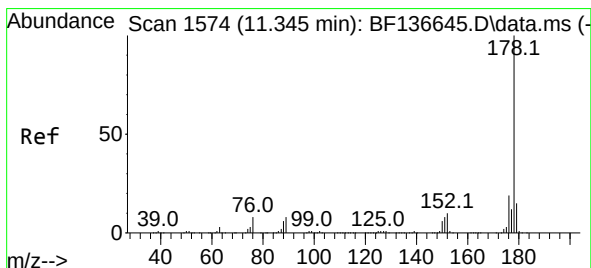
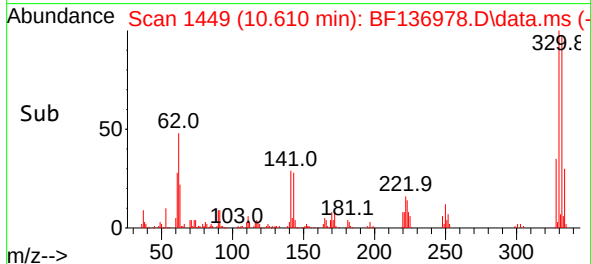
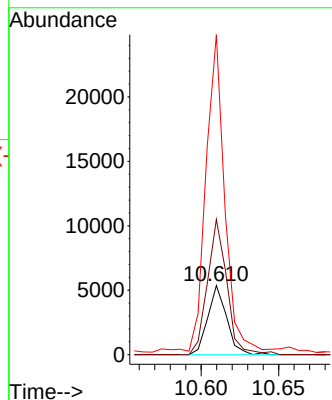
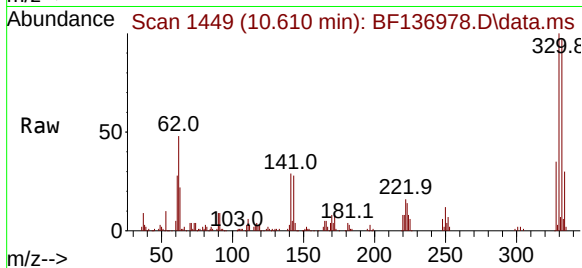
Tgt Ion:248 Resp: 4557

Ion Ratio Lower Upper

248 100

250 195.9 77.8 116.6#

141 463.5 59.2 88.8#



#71

Phenanthrene

Concen: 11.395 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

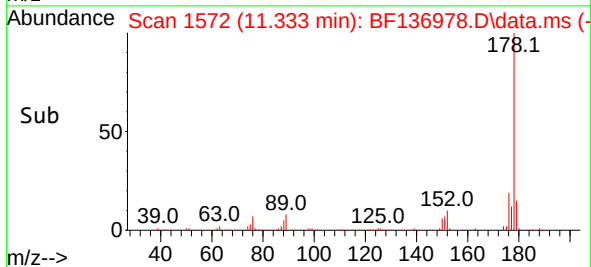
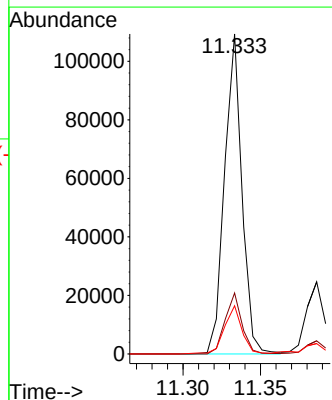
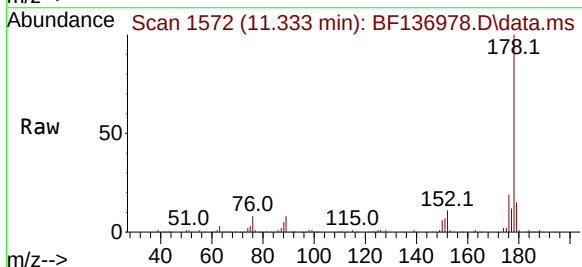
Tgt Ion:178 Resp: 85328

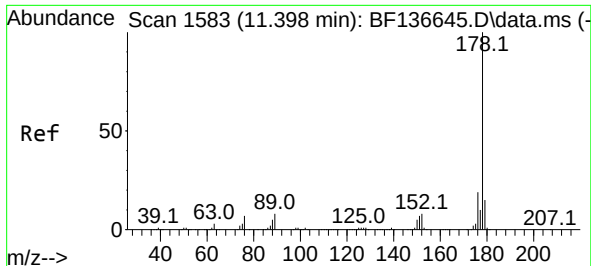
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

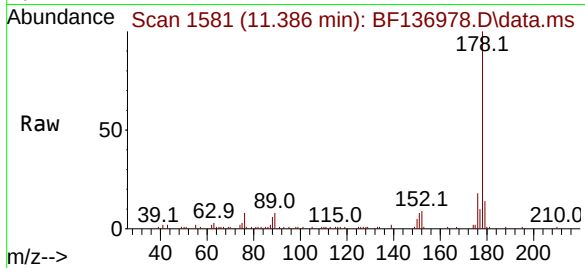
179 15.1 11.9 17.9



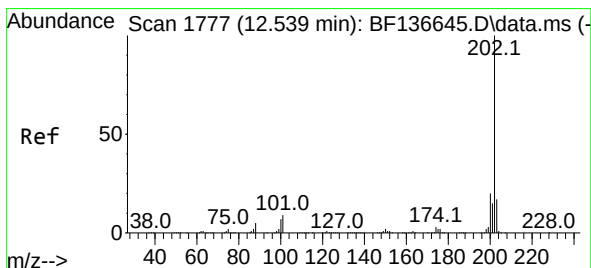
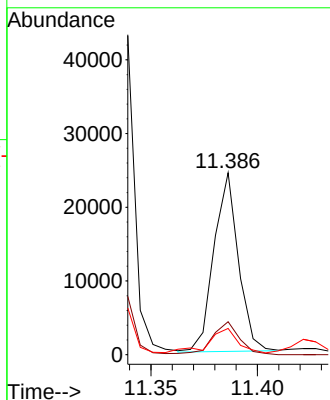
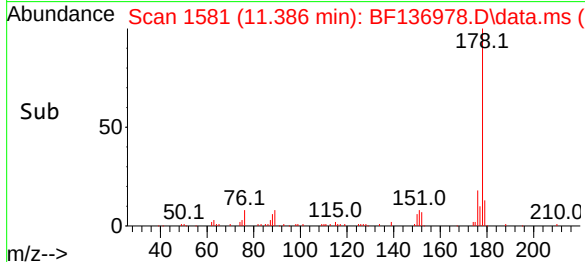


#72
 Anthracene
 Concen: 2.557 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136978.D
 Acq: 05 Jan 2024 16:23

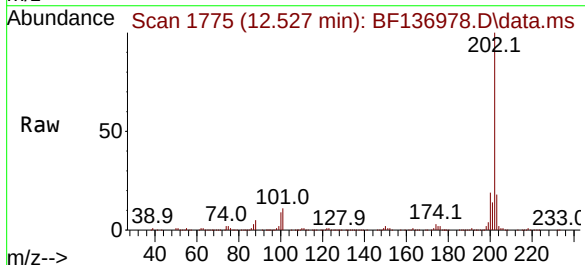
Instrument :
 BNA_F
 ClientSampleId :
 72-11978



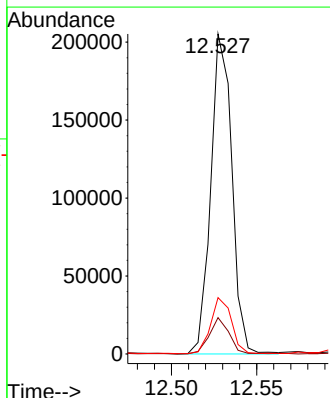
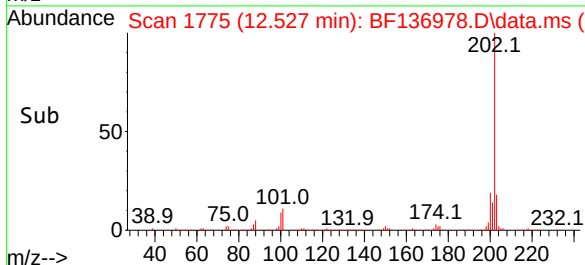
Tgt Ion:178 Resp: 19395
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 14.4 11.8 17.6

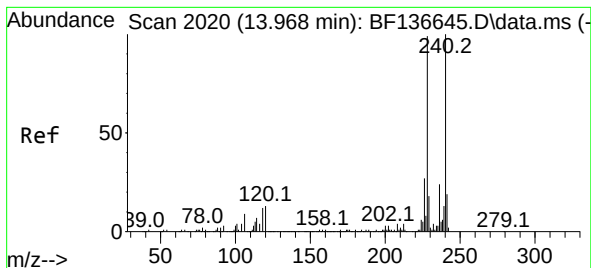


#75
 Fluoranthene
 Concen: 22.071 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136978.D
 Acq: 05 Jan 2024 16:23



Tgt Ion:202 Resp: 176793
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 29.3
 203 17.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978

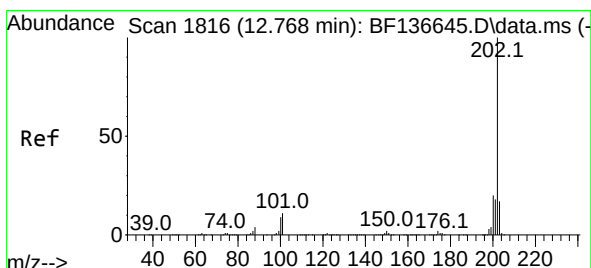
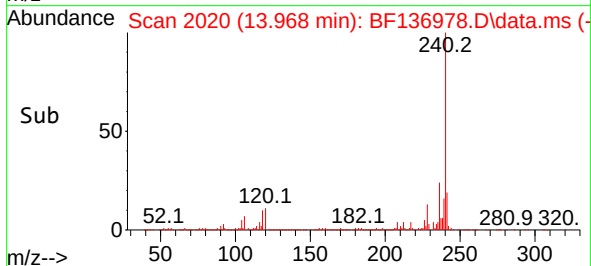
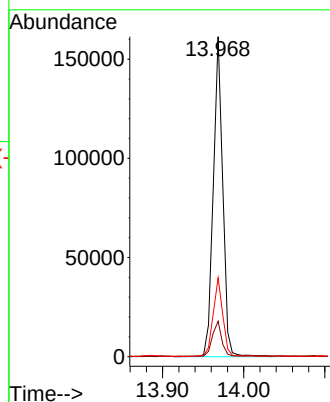
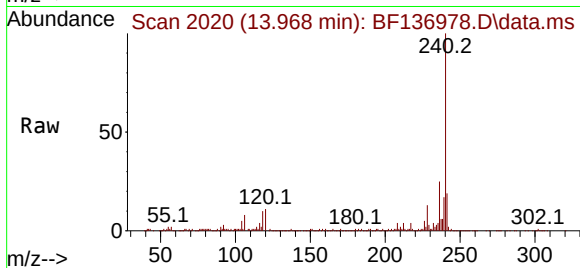
Tgt Ion:240 Resp: 130488

Ion Ratio Lower Upper

240 100

120 11.1 10.3 15.5

236 24.6 19.4 29.2



#78

Pyrene

Concen: 14.316 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

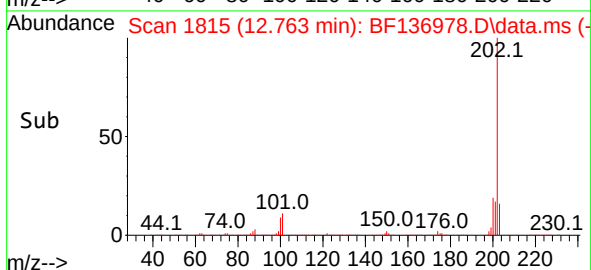
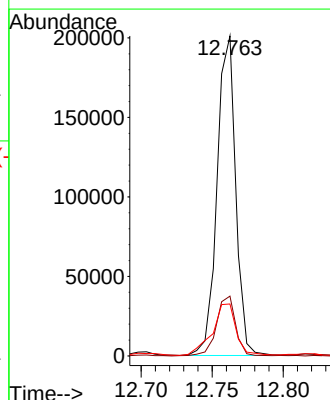
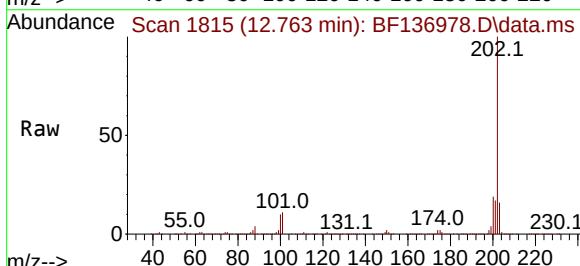
Tgt Ion:202 Resp: 183383

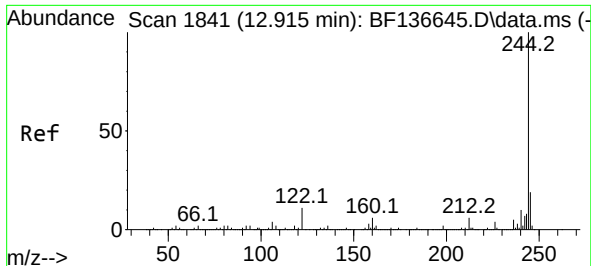
Ion Ratio Lower Upper

202 100

200 18.7 15.9 23.9

203 16.3 13.8 20.6

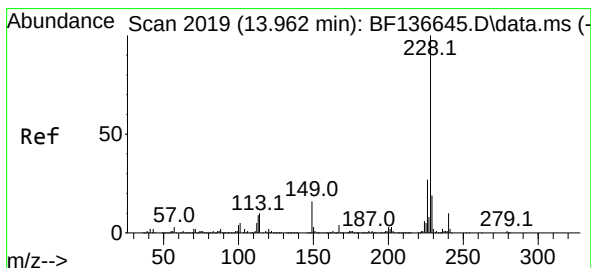
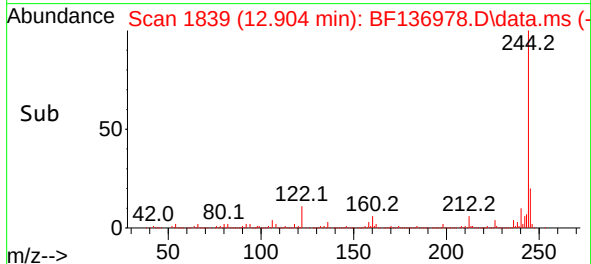
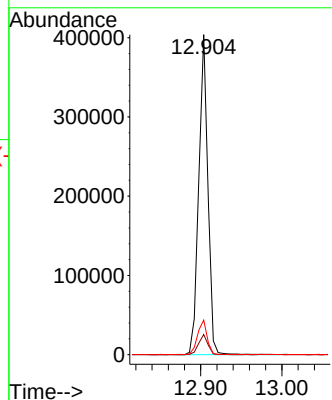
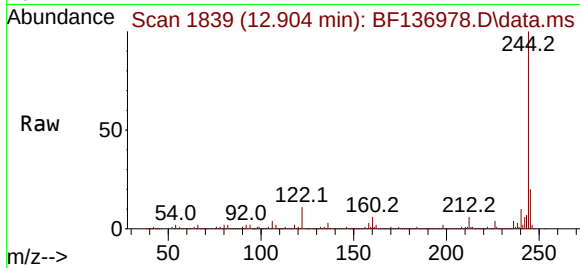




#79
 Terphenyl-d14
 Concen: 33.995 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136978.D
 Acq: 05 Jan 2024 16:23

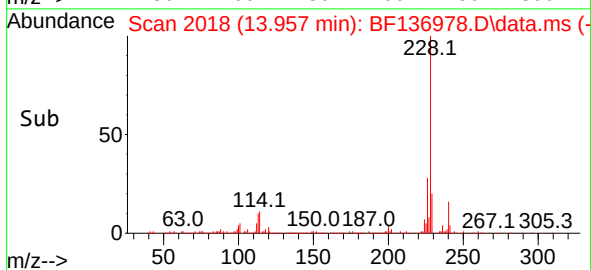
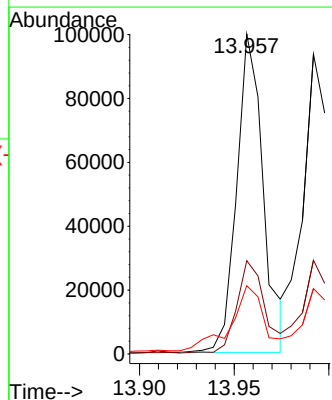
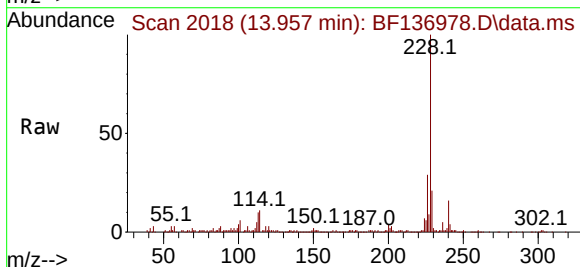
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

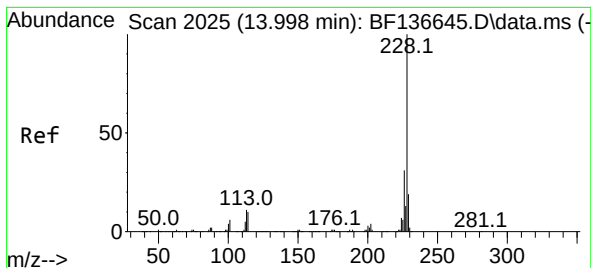
Tgt Ion:244 Resp: 317429
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.8 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 10.707 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136978.D
 Acq: 05 Jan 2024 16:23

Tgt Ion:228 Resp: 97018
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.4 32.0
 229 21.3 14.9 22.3





#83

Chrysene

Concen: 10.083 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978

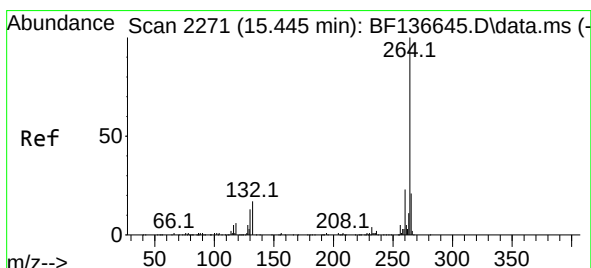
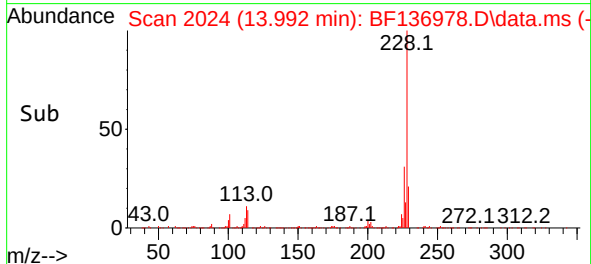
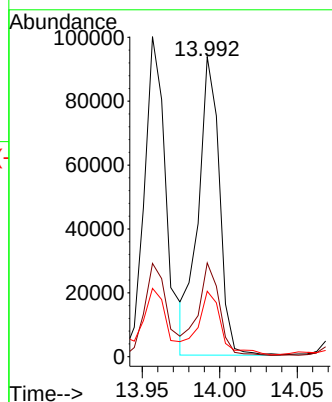
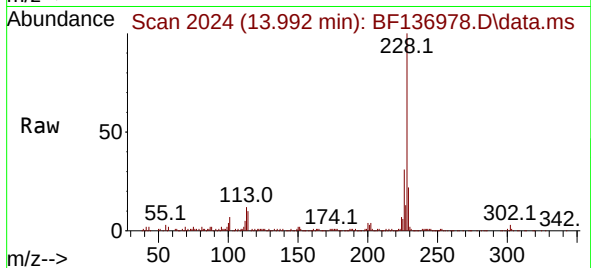
Tgt Ion:228 Resp: 89341

Ion Ratio Lower Upper

228 100

226 31.3 24.7 37.1

229 21.9 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.012 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

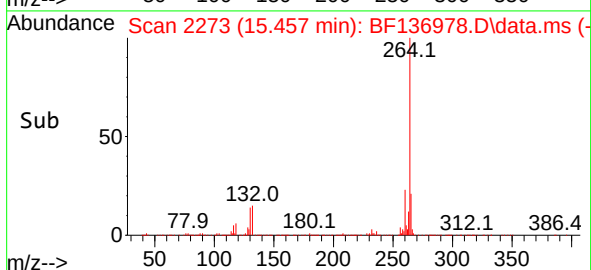
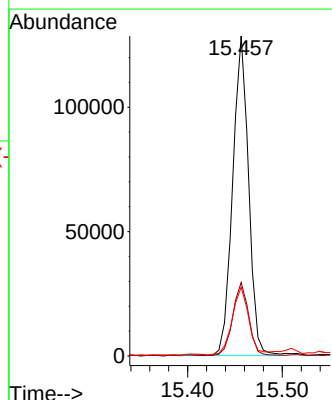
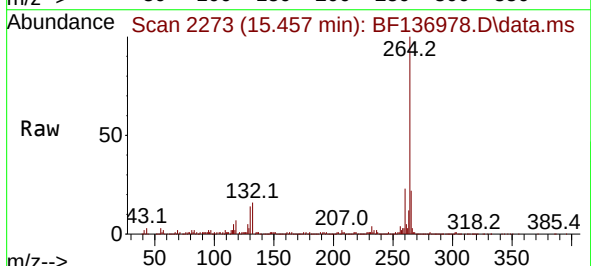
Tgt Ion:264 Resp: 149982

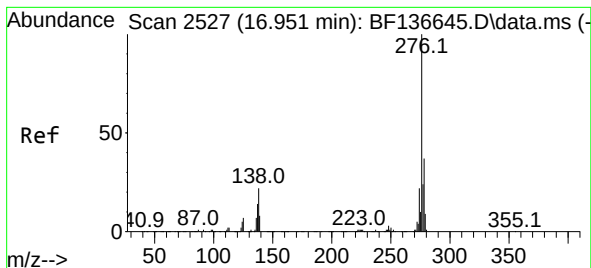
Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 21.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.028 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978

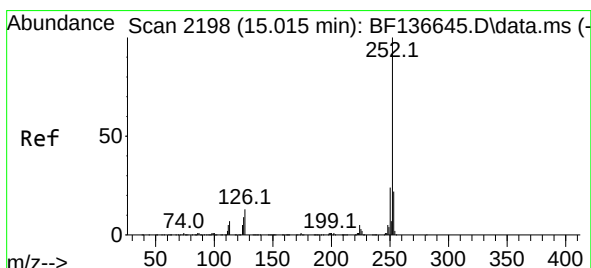
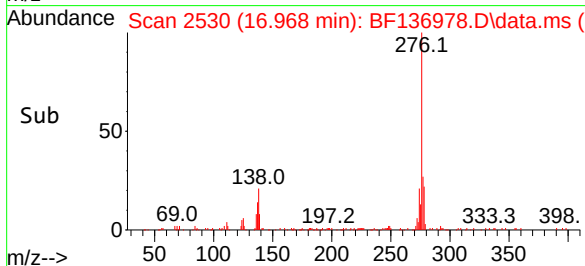
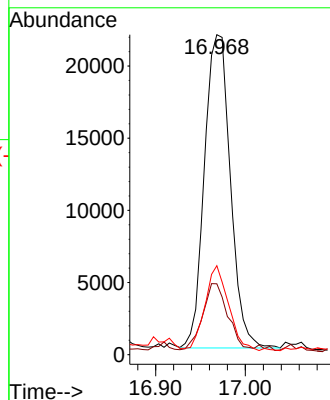
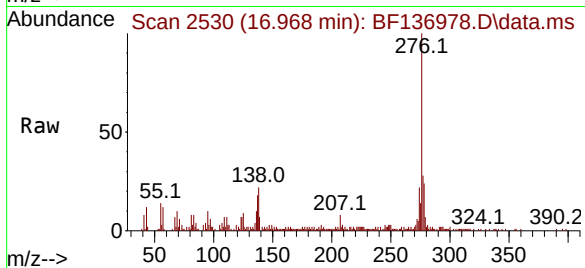
Tgt Ion:276 Resp: 43618

Ion Ratio Lower Upper

276 100

138 20.1 18.7 28.1

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 14.896 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

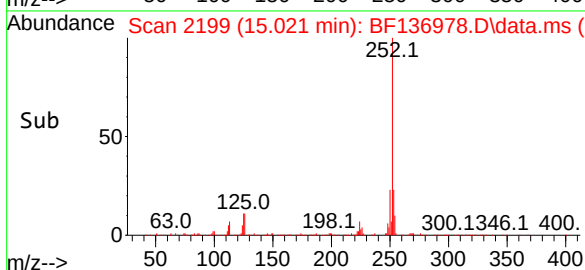
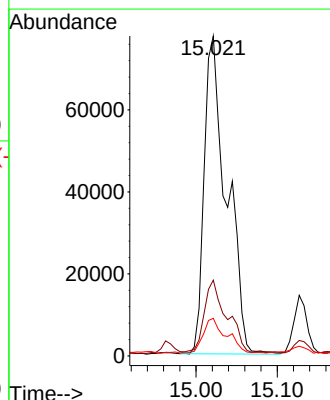
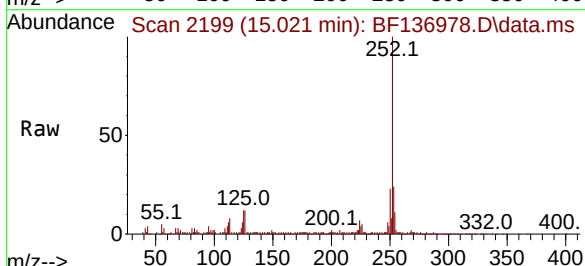
Tgt Ion:252 Resp: 149218

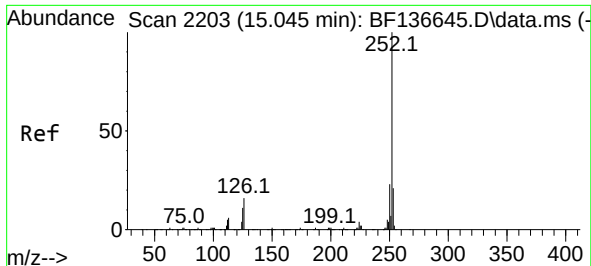
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 11.8 7.4 11.2#

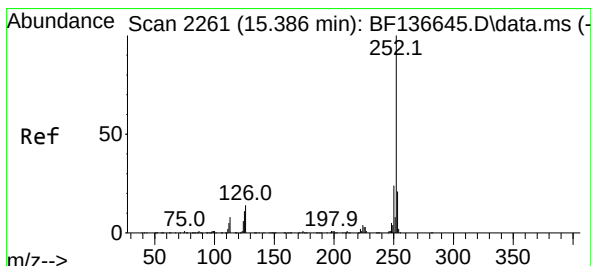
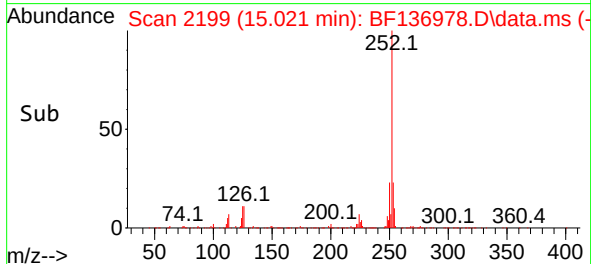
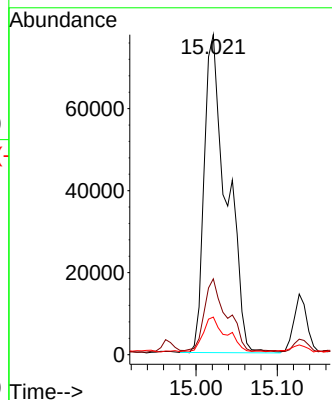
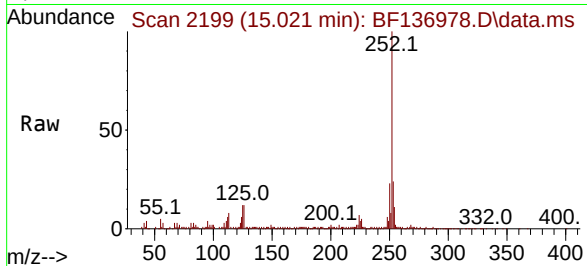




#89
Benzo(k)fluoranthene
Concen: 15.764 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

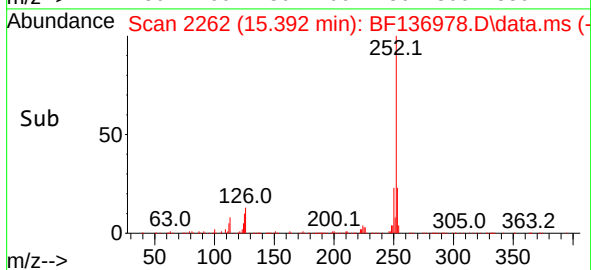
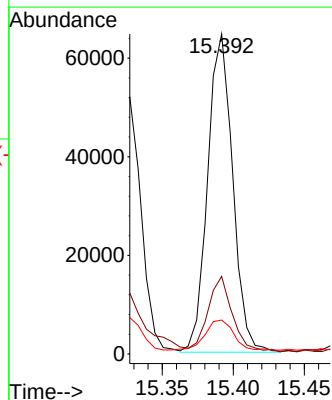
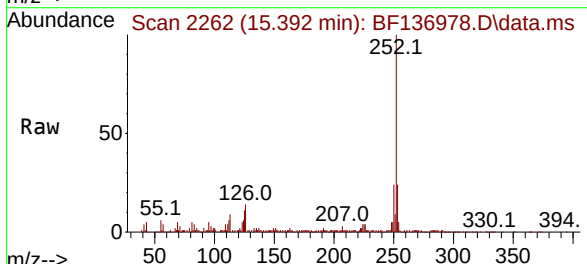
Instrument :
BNA_F
ClientSampleId :
72-11978

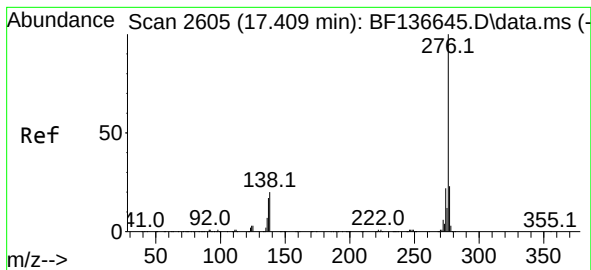
Tgt Ion:252 Resp: 149218
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 11.8 8.2 12.4



#90
Benzo(a)pyrene
Concen: 9.371 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Tgt Ion:252 Resp: 79241
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 10.6 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.570 ng

RT: 17.427 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF136978.D

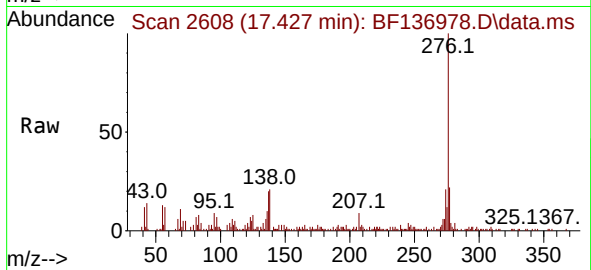
Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978



Tgt Ion:276 Resp: 41586

Ion Ratio Lower Upper

276 100

277 22.5 18.3 27.5

138 20.8 15.6 23.4

