

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136977.D
 Acq On : 05 Jan 2024 15:51
 Operator : CG\JU
 Sample : 06015-03DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2DDL

Quant Time: Jan 05 16:11:47 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)

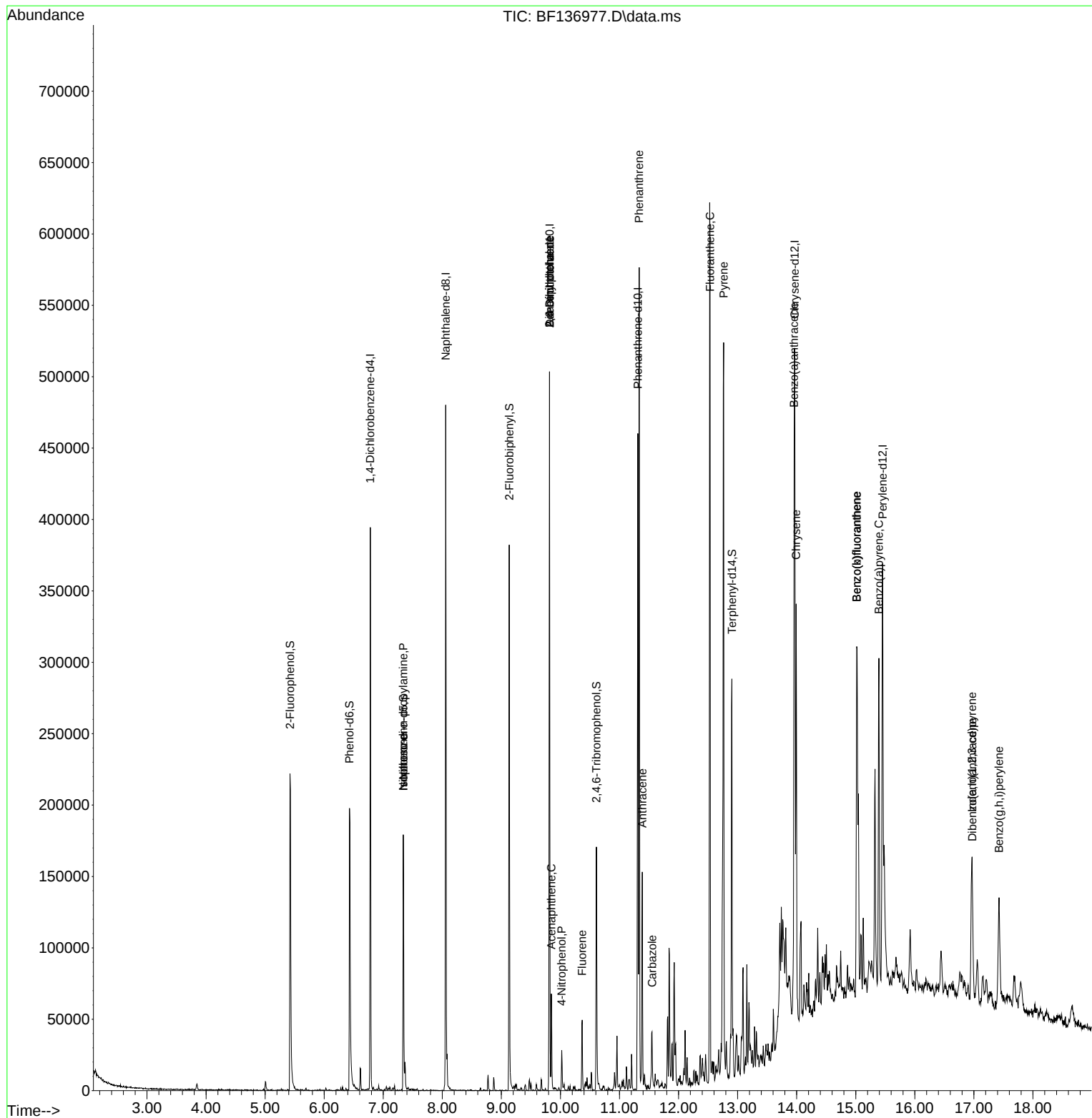
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53284	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	197650	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	91895	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	157499	20.000	ng	0.00
76) Chrysene-d12	13.968	240	118732	20.000	ng	0.00
86) Perylene-d12	15.456	264	145928	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	76034	22.265	ng	0.00
7) Phenol-d6	6.428	99	88471	19.993	ng	-0.01
23) Nitrobenzene-d5	7.339	82	54938	14.223	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	21032	19.433	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	114339	16.735	ng	-0.02
79) Terphenyl-d14	12.904	244	101537	11.951	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	7677	2.862	ng	# 75
25) Isophorone	7.339	82	54938	7.817	ng	# 65
50) Dimethylphthalate	9.816	163	17646	2.629	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12061	7.917	ng	# 30
52) Acenaphthene	9.845	154	13036	2.347	ng	99
56) 4-Nitrophenol	10.022	139	4231	3.884	ng	# 7
57) 2,4-Dinitrotoluene	9.816	165	12061	6.099	ng	# 21
58) Fluorene	10.369	166	14742	2.207	ng	95
71) Phenanthrene	11.333	178	198379	24.548	ng	99
72) Anthracene	11.386	178	54981	6.718	ng	99
73) Carbazole	11.551	167	18412	2.386	ng	98
75) Fluoranthene	12.533	202	264402	30.587	ng	99
78) Pyrene	12.763	202	223574	19.182	ng	99
81) Benzo(a)anthracene	13.957	228	130223	15.795	ng	98
83) Chrysene	13.992	228	105520	13.088	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	66851	6.345	ng	96
88) Benzo(b)fluoranthene	15.015	252	192645	19.765	ng	# 96
89) Benzo(k)fluoranthene	15.015	252	192645	20.918	ng	# 96
90) Benzo(a)pyrene	15.392	252	108493	13.187	ng	100
91) Dibenzo(a,h)anthracene	16.974	278	17533	2.028	ng	# 82
92) Benzo(g,h,i)perylene	17.427	276	63147	7.133	ng	96

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

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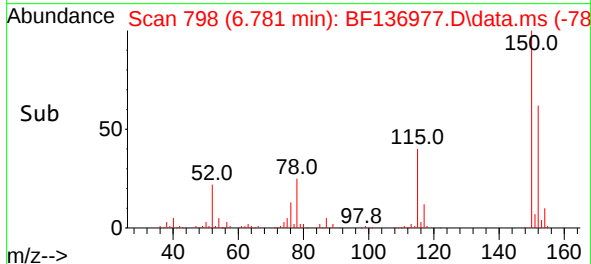
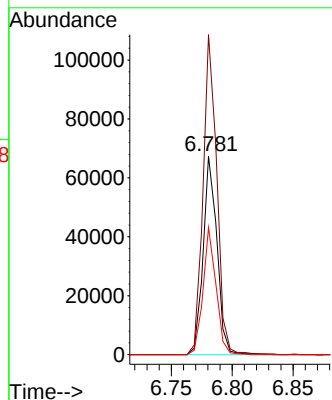
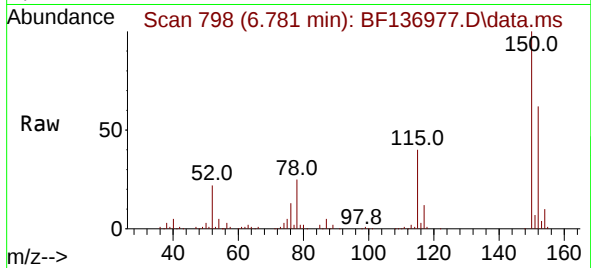




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

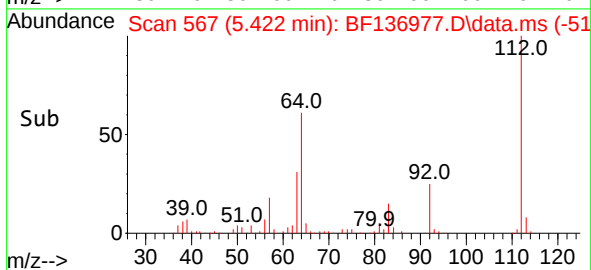
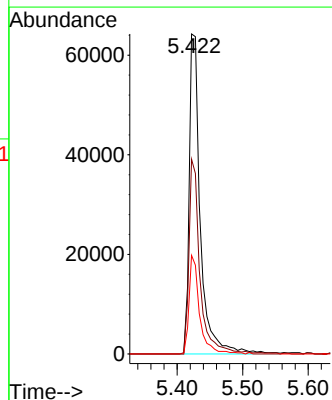
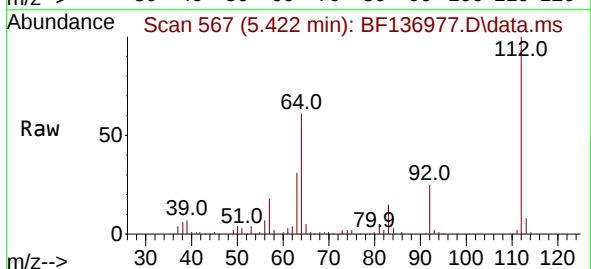
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

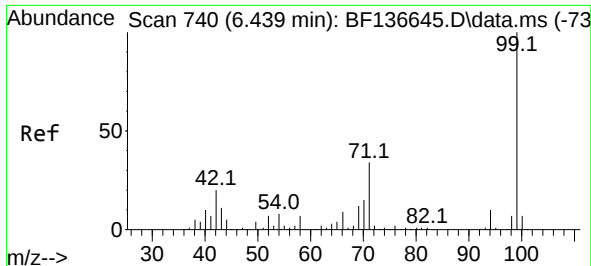
Tgt Ion:152 Resp: 53284
Ion Ratio Lower Upper
152 100
150 161.2 127.0 190.6
115 64.1 49.0 73.4



#5
2-Fluorophenol
Concen: 22.265 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:112 Resp: 76034
Ion Ratio Lower Upper
112 100
64 60.8 51.1 76.7
63 30.8 26.1 39.1

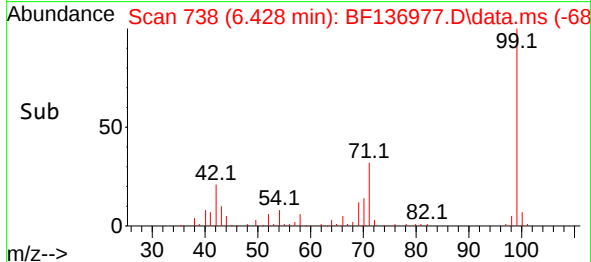
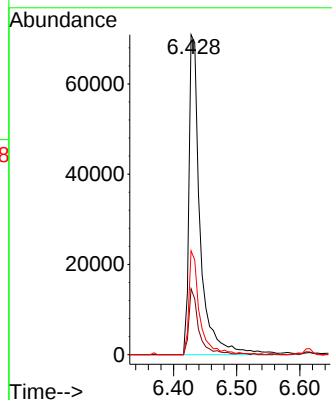
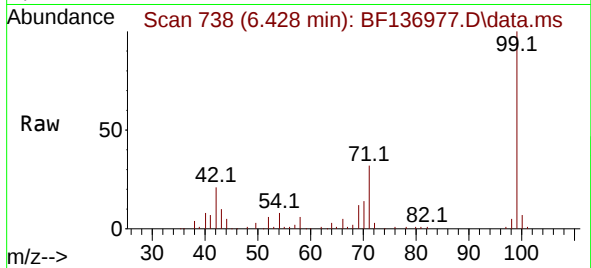




#7
Phenol-d6
Concen: 19.993 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

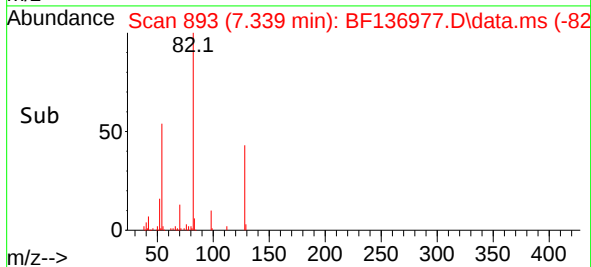
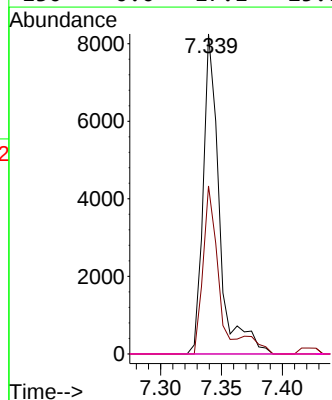
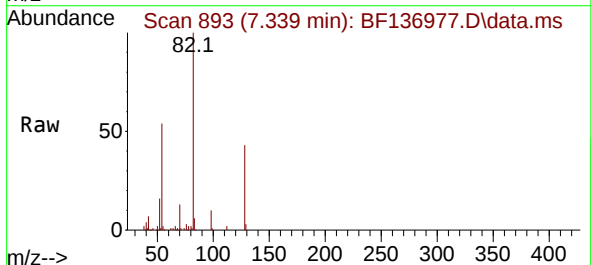
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

Tgt Ion: 99 Resp: 88471
Ion Ratio Lower Upper
99 100
42 20.6 16.1 24.1
71 32.5 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.862 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion: 70 Resp: 7677
Ion Ratio Lower Upper
70 100
42 52.5 54.2 81.4#
101 0.0 7.6 11.4#
130 0.0 17.1 25.7#



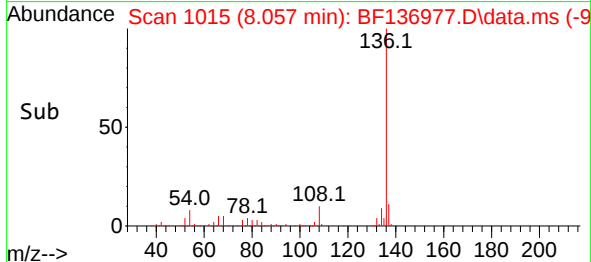
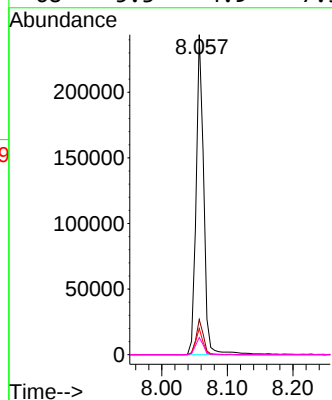
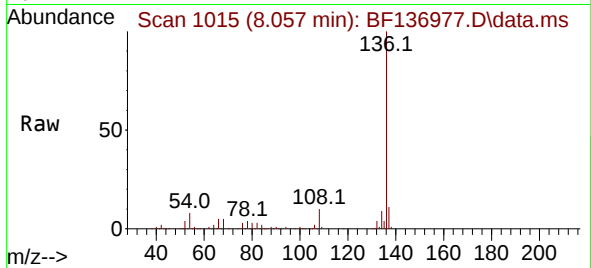


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

Tgt Ion:136 Resp: 197650

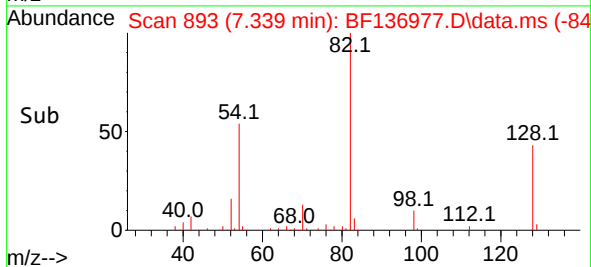
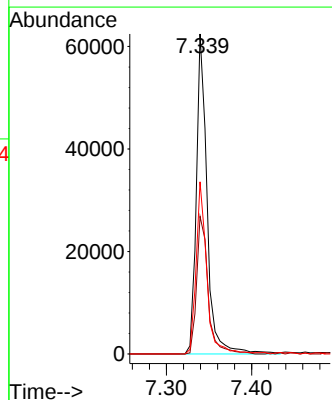
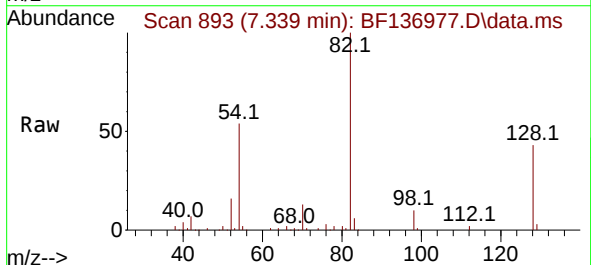
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.2	7.2	10.8
68	5.3	4.9	7.3



#23
Nitrobenzene-d5
Concen: 14.223 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion: 82 Resp: 54938

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.3	52.9
54	53.8	44.5	66.7

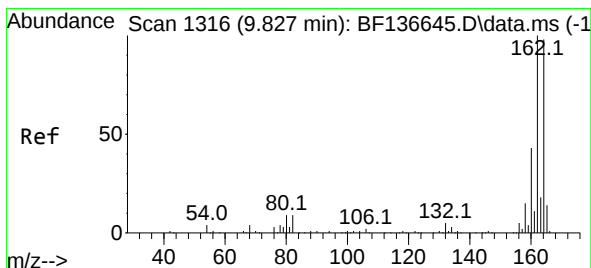
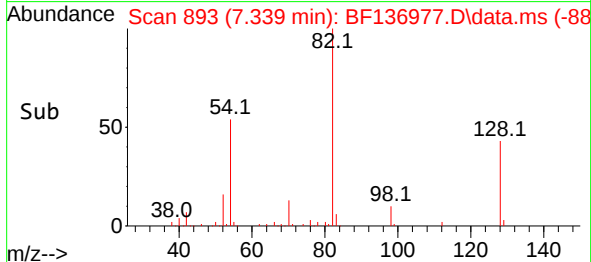
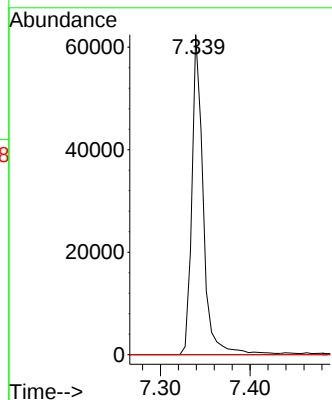
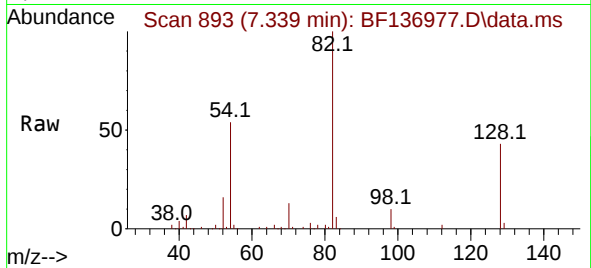




#25
Isophorone
Concen: 7.817 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

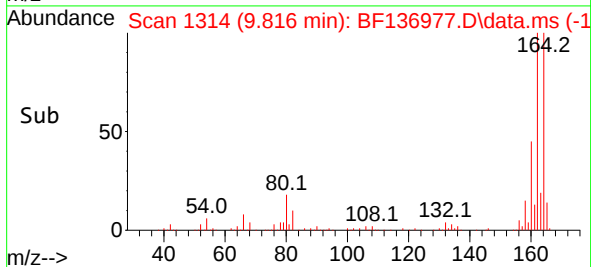
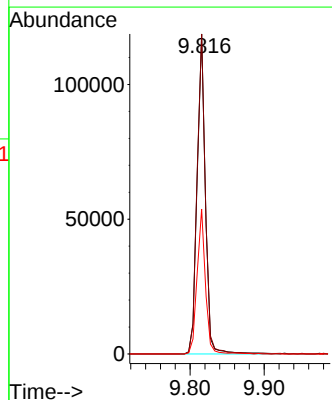
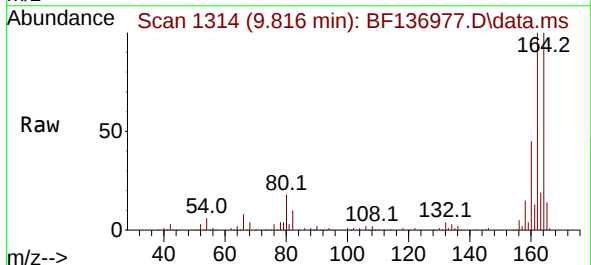
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

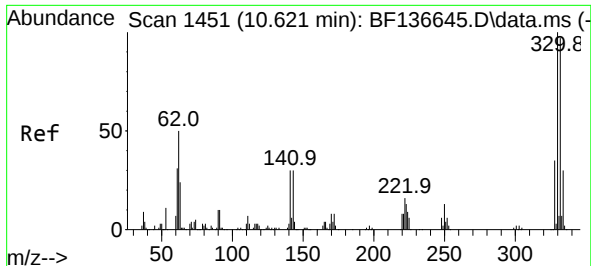
Tgt Ion: 82 Resp: 54938
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:164 Resp: 91895
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 45.3 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 19.433 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

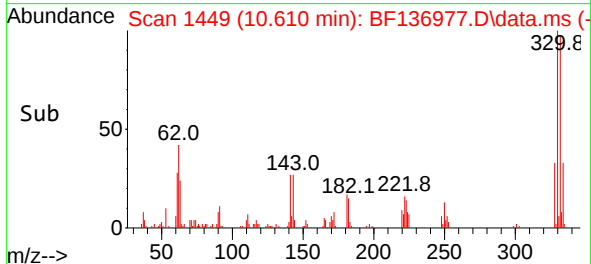
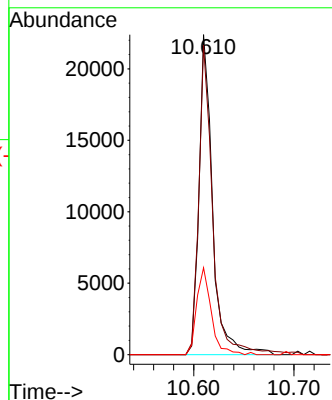
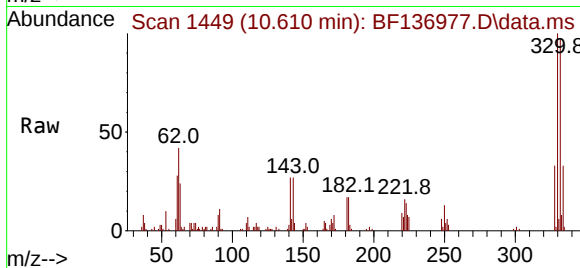
Tgt Ion:330 Resp: 21032

Ion Ratio Lower Upper

330 100

332 99.2 77.4 116.0

141 29.2 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 16.735 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

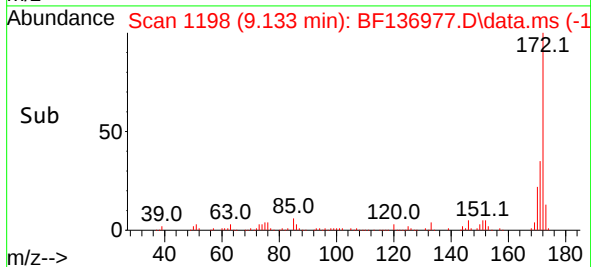
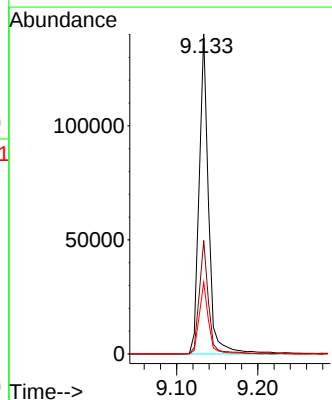
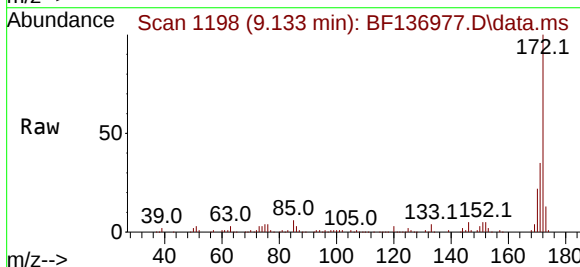
Tgt Ion:172 Resp: 114339

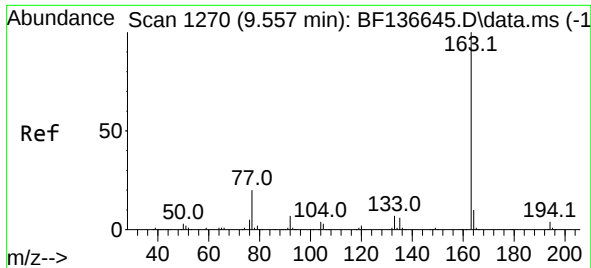
Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.6

170 22.4 19.0 28.4

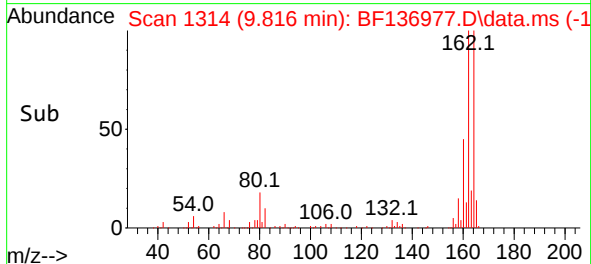
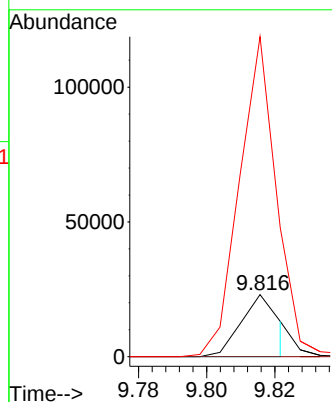
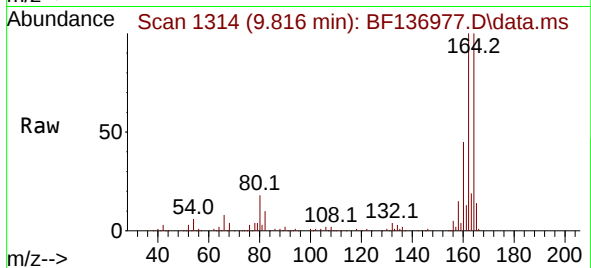




#50
Dimethylphthalate
Concen: 2.629 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

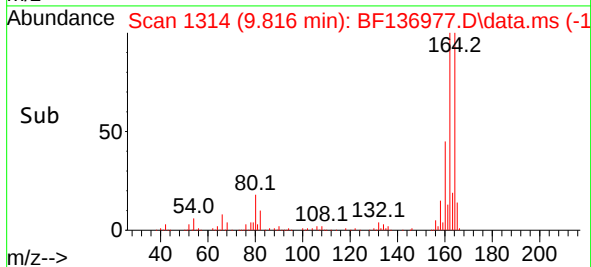
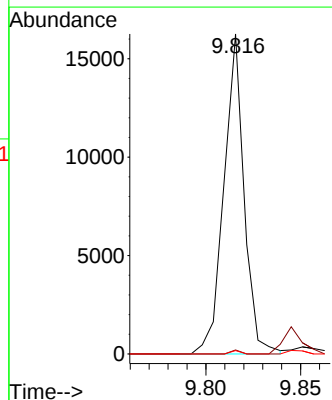
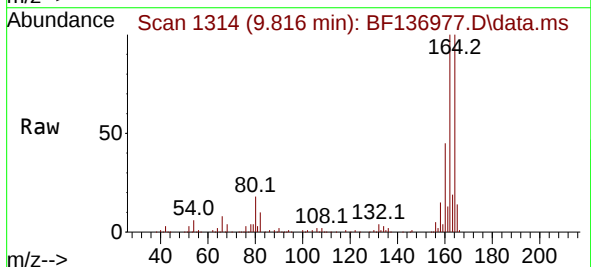
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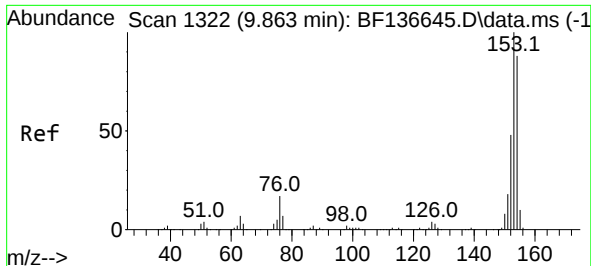
Tgt Ion:163 Resp: 17646
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 515.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.917 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:165 Resp: 12061
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.0 38.8 58.2#

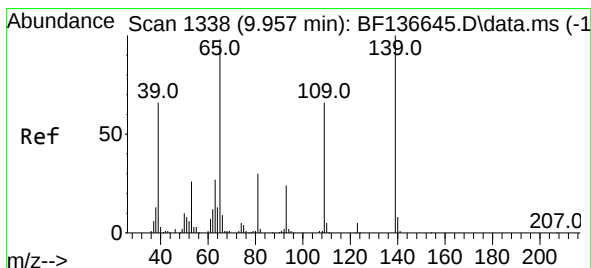
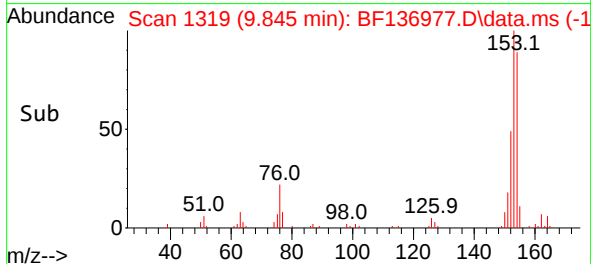
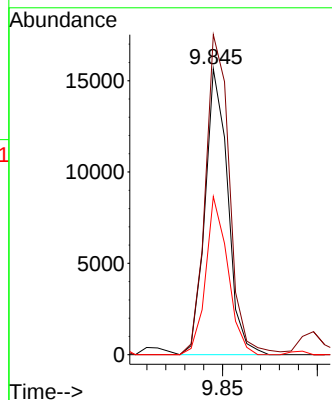
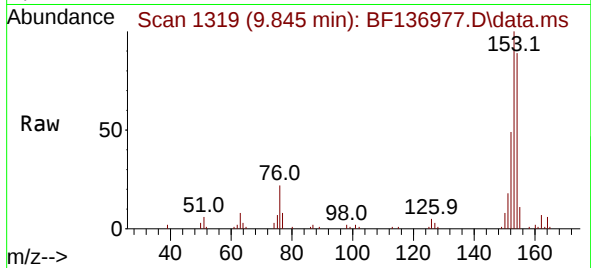




#52
Acenaphthene
Concen: 2.347 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

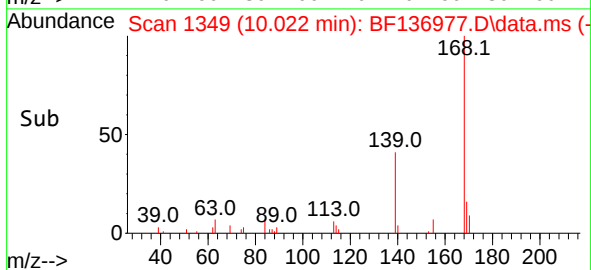
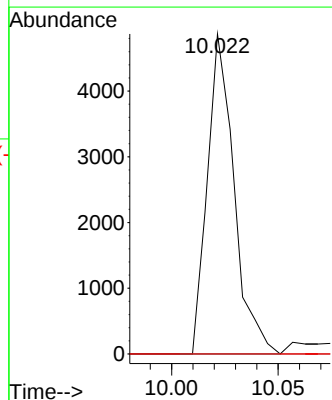
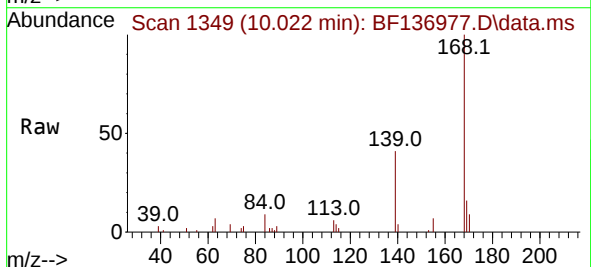
Instrument :
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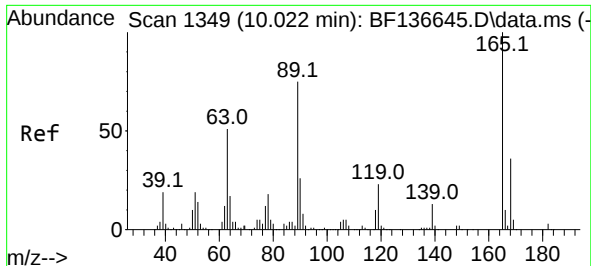
Tgt Ion:154 Resp: 13036
Ion Ratio Lower Upper
154 100
153 112.0 90.7 136.1
152 55.3 43.7 65.5



#56
4-Nitrophenol
Concen: 3.884 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.065 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:139 Resp: 4231
Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 0.0 77.8 117.8#

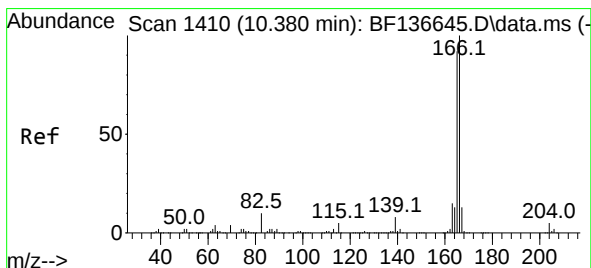
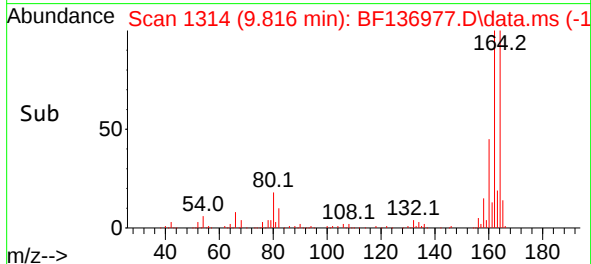
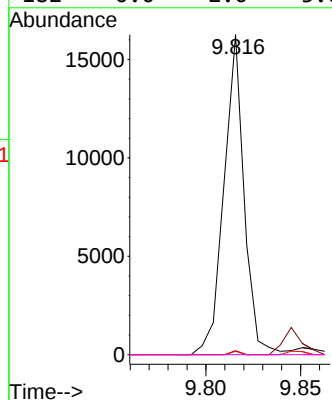
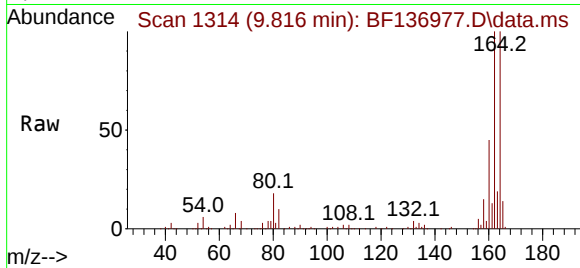




#57
2,4-Dinitrotoluene
Concen: 6.099 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

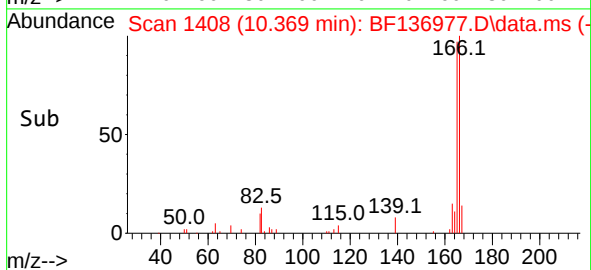
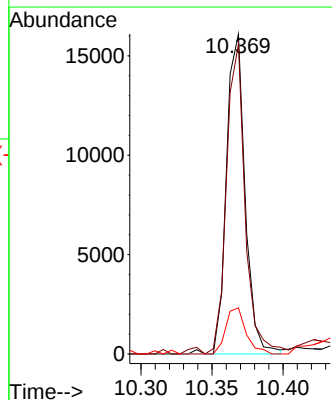
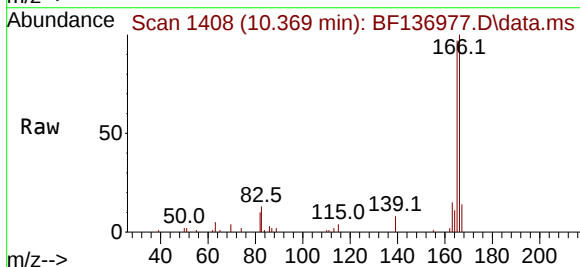
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

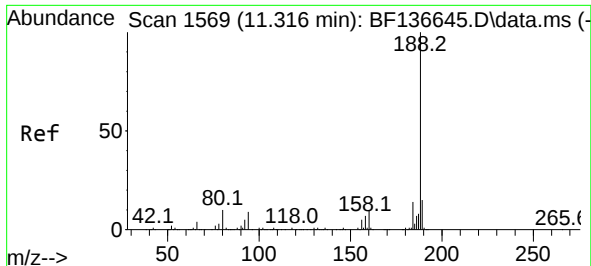
Tgt Ion:165 Resp: 12061
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.6#
89 1.0 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.207 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:166 Resp: 14742
Ion Ratio Lower Upper
166 100
165 96.9 73.7 110.5
167 14.4 10.4 15.6

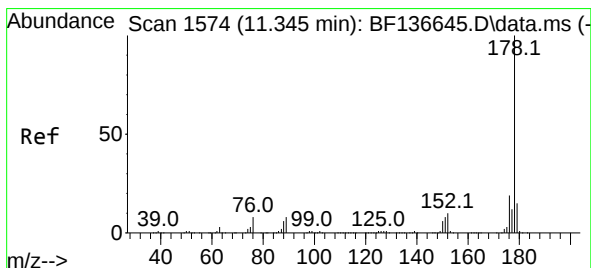
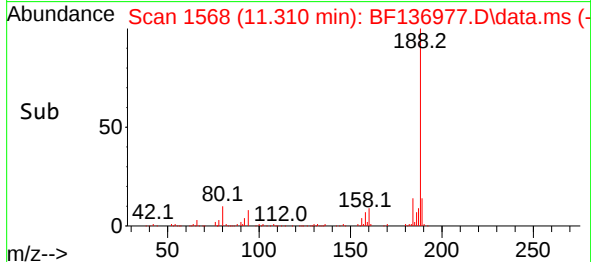
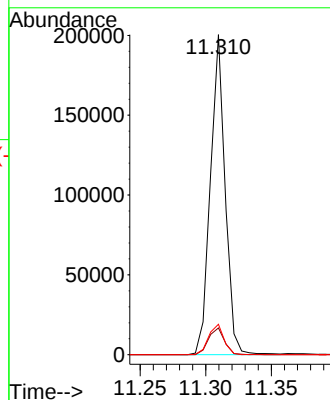
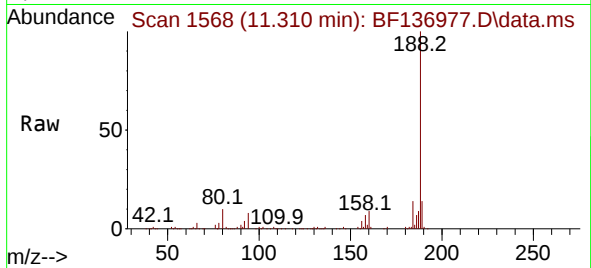




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

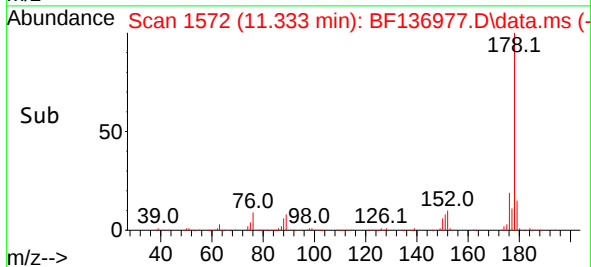
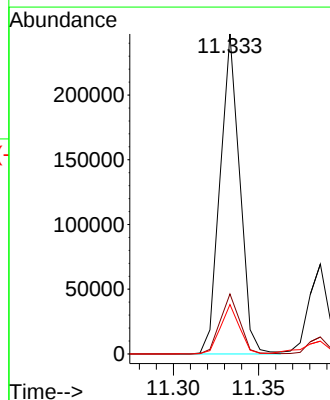
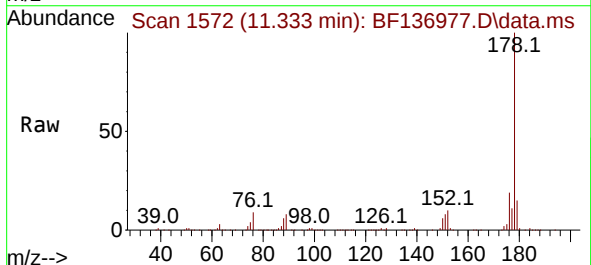
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

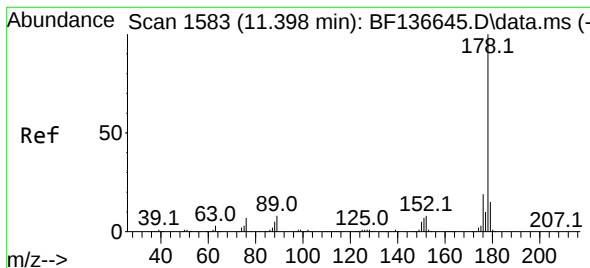
Tgt Ion:188 Resp: 157499
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 9.5 8.1 12.1



#71
Phenanthrene
Concen: 24.548 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:178 Resp: 198379
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.5 11.9 17.9





#72

Anthracene

Concen: 6.718 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

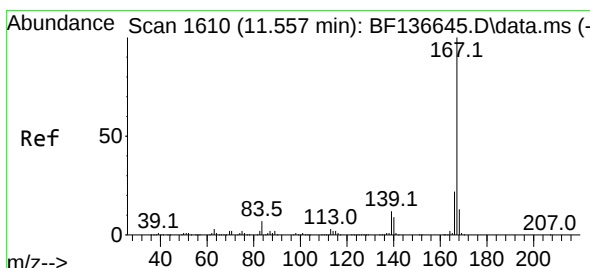
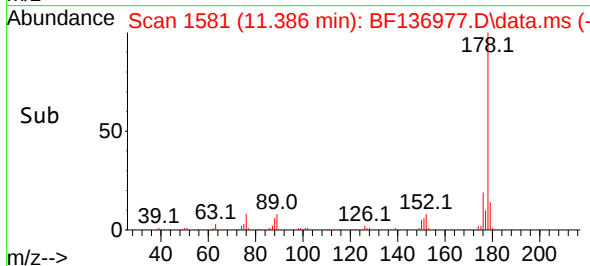
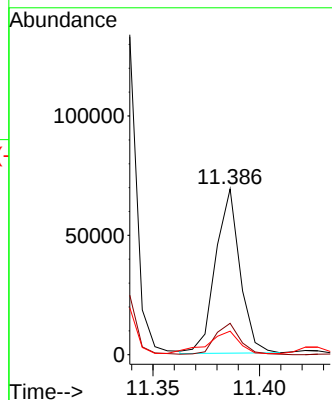
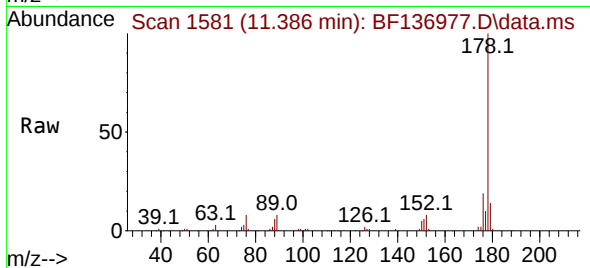
Tgt Ion:178 Resp: 54981

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 14.2 11.8 17.6



#73

Carbazole

Concen: 2.386 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

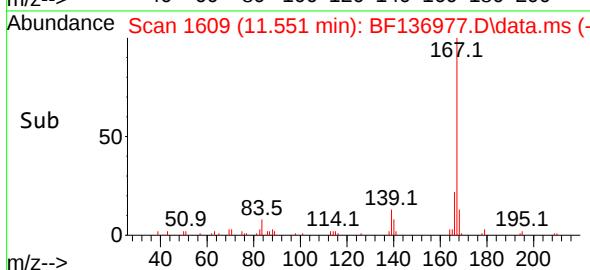
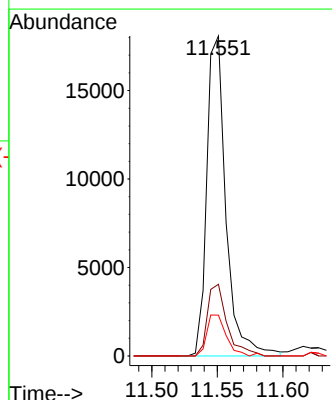
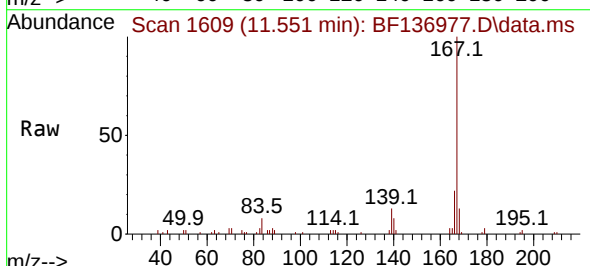
Tgt Ion:167 Resp: 18412

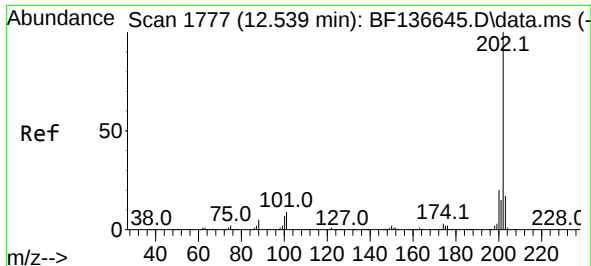
Ion Ratio Lower Upper

167 100

166 22.4 17.3 25.9

139 12.8 9.8 14.6

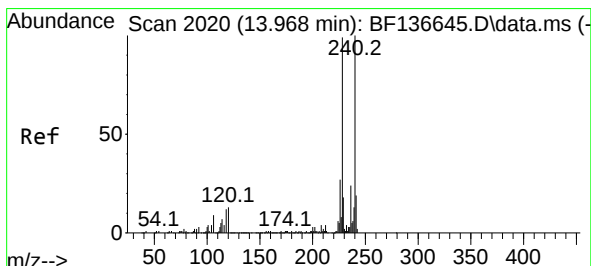
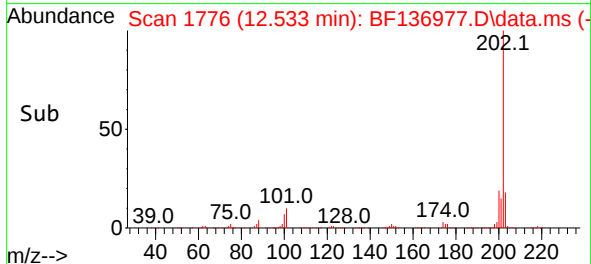
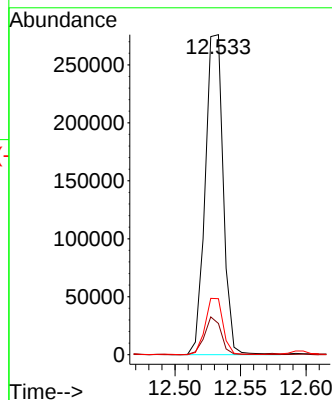
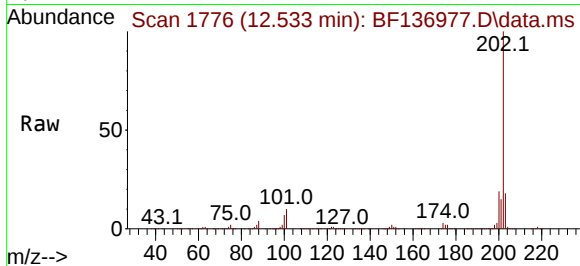




#75
Fluoranthene
Concen: 30.587 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

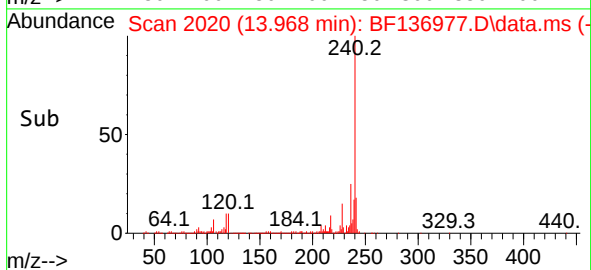
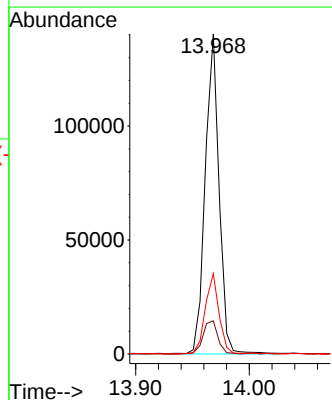
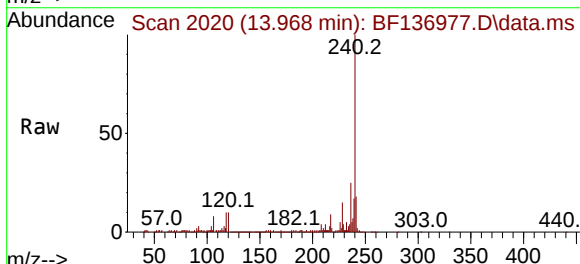
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2DDL

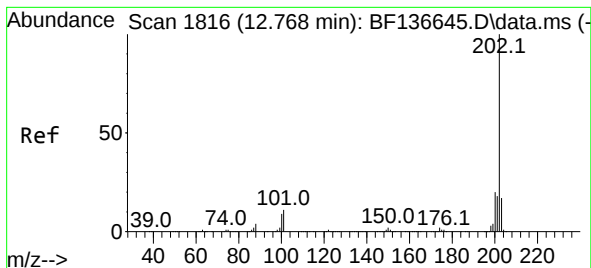
Tgt Ion:202 Resp: 264402
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.3
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136977.D
Acq: 05 Jan 2024 15:51

Tgt Ion:240 Resp: 118732
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5
236 25.1 19.4 29.2





#78

Pyrene

Concen: 19.182 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

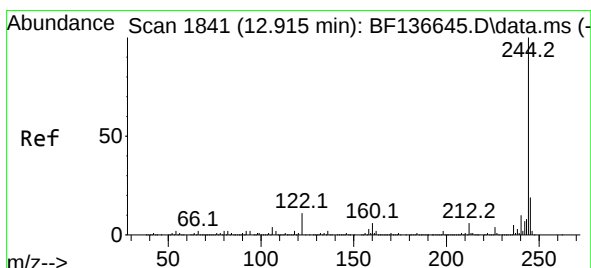
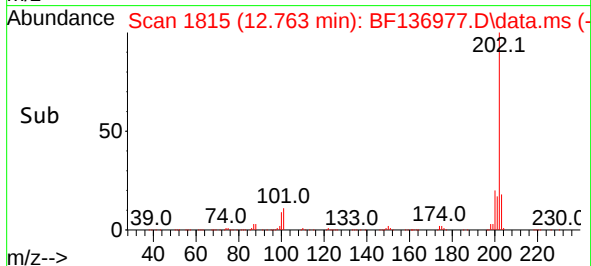
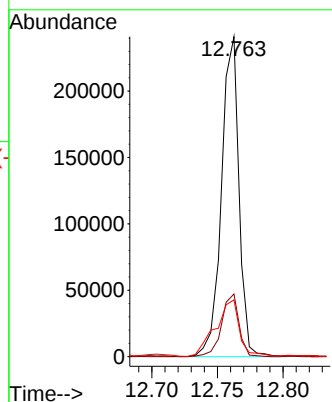
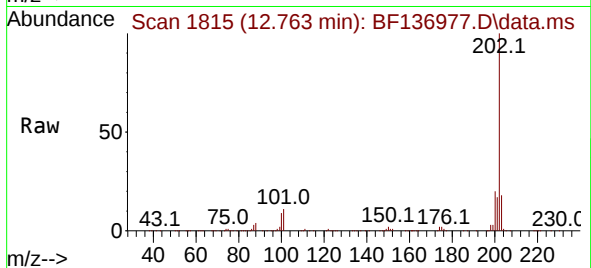
Tgt Ion:202 Resp: 223574

Ion Ratio Lower Upper

202 100

200 19.6 15.9 23.9

203 17.8 13.8 20.6



#79

Terphenyl-d14

Concen: 11.951 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

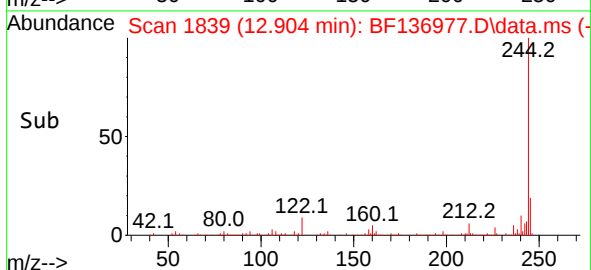
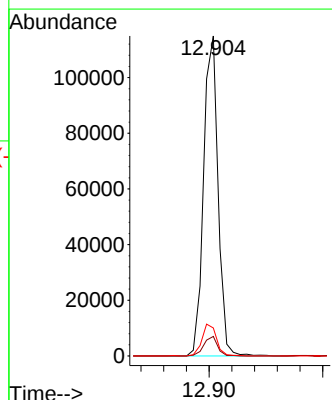
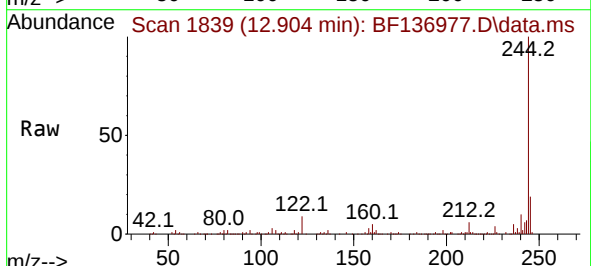
Tgt Ion:244 Resp: 101537

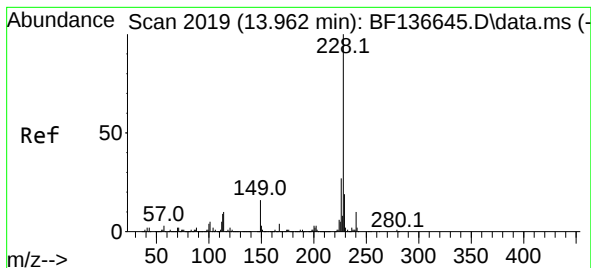
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 8.8 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 15.795 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

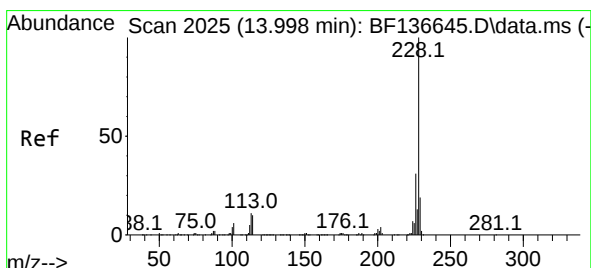
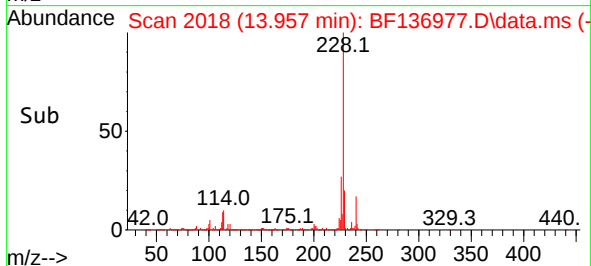
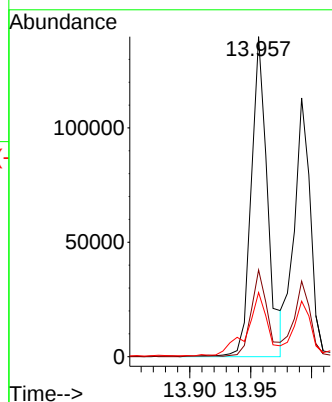
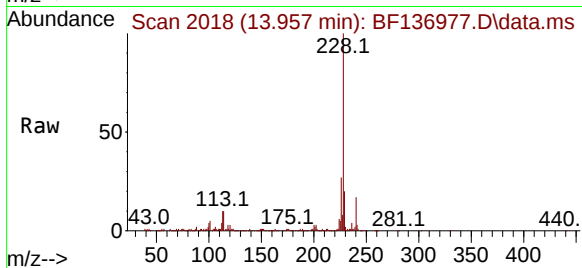
Tgt Ion:228 Resp: 130223

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.0

229 20.0 14.9 22.3



#83

Chrysene

Concen: 13.088 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

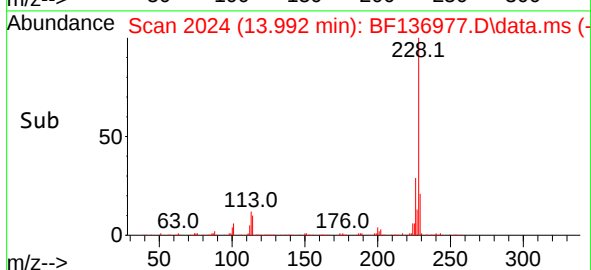
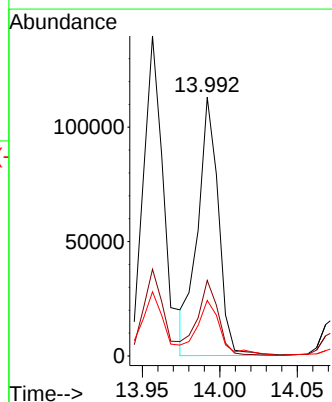
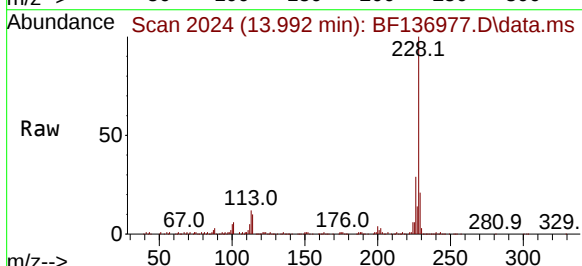
Tgt Ion:228 Resp: 105520

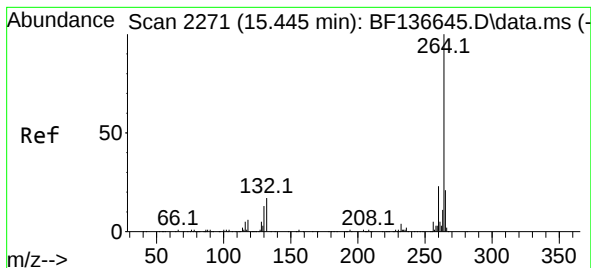
Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

229 21.5 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

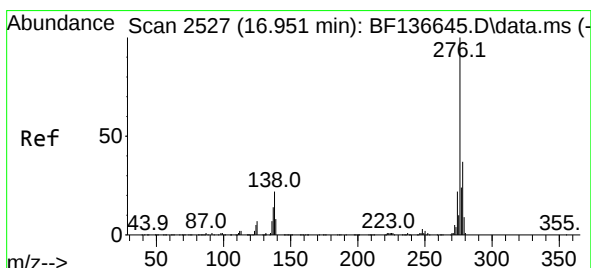
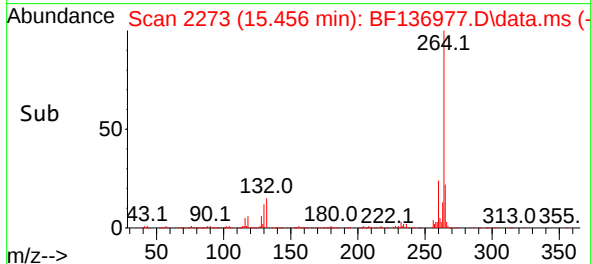
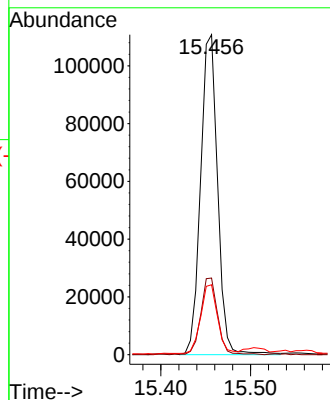
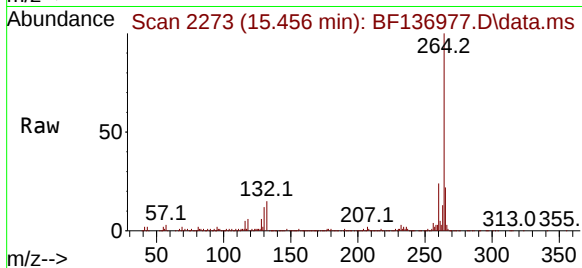
Tgt Ion:264 Resp: 145928

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 21.9 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.345 ng

RT: 16.968 min Scan# 2530

Delta R.T. 0.018 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

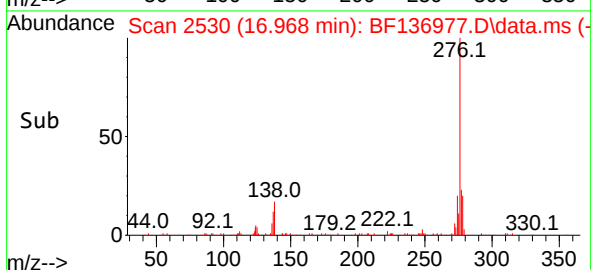
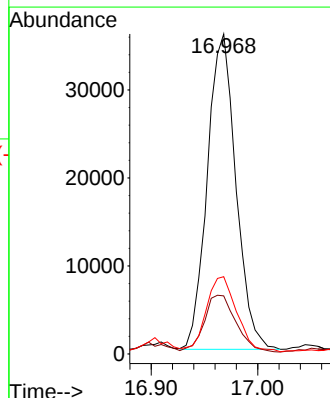
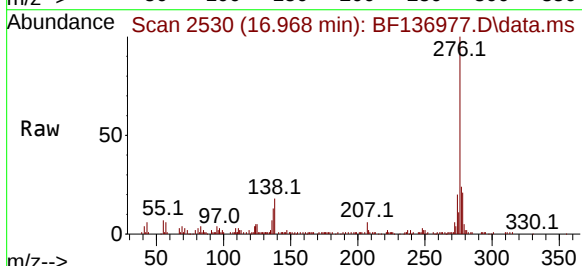
Tgt Ion:276 Resp: 66851

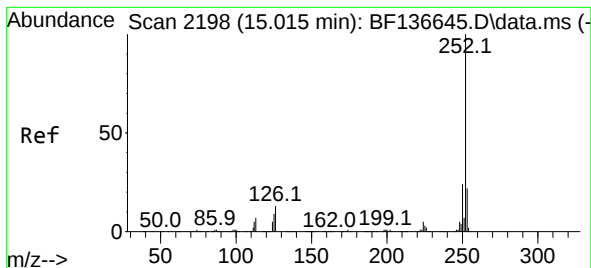
Ion Ratio Lower Upper

276 100

138 19.9 18.7 28.1

277 25.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 19.765 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

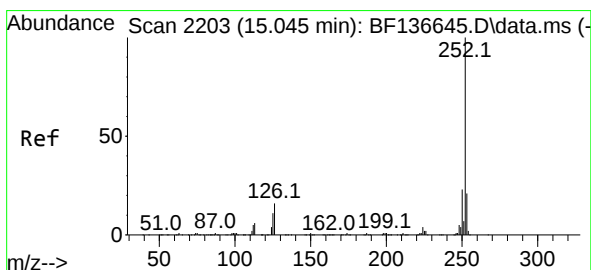
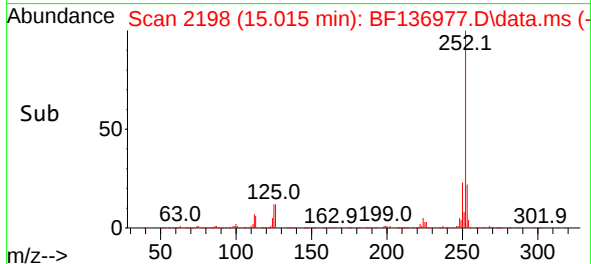
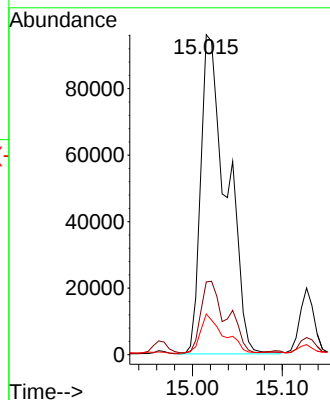
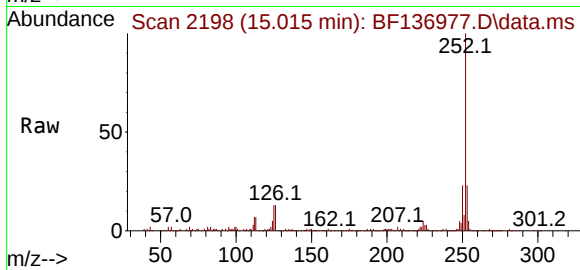
Tgt Ion:252 Resp: 192645

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 12.7 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 20.918 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

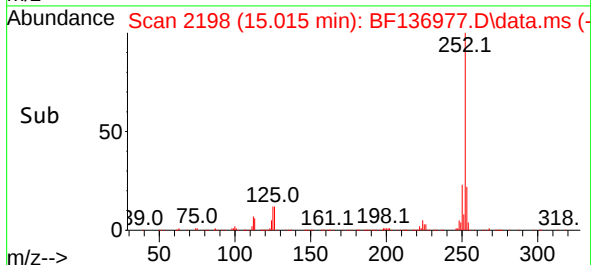
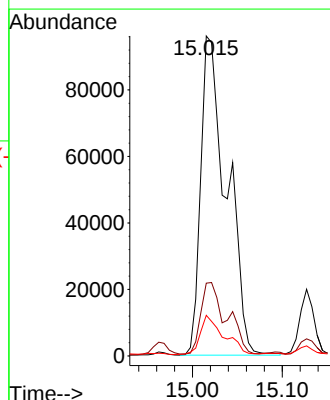
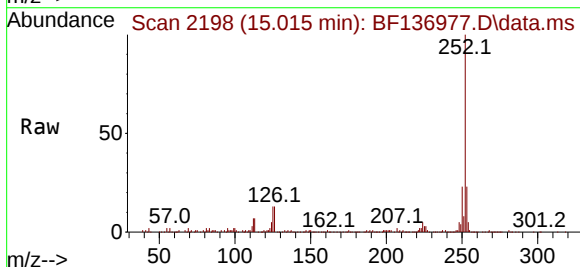
Tgt Ion:252 Resp: 192645

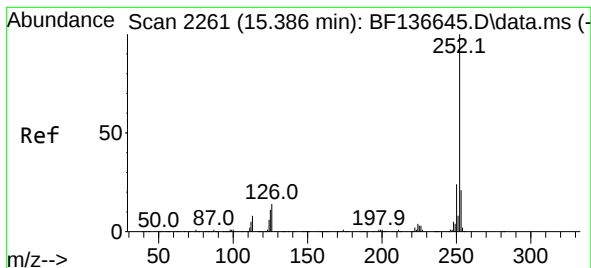
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 12.7 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 13.187 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2DDL

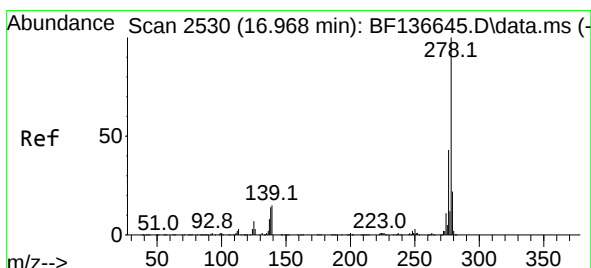
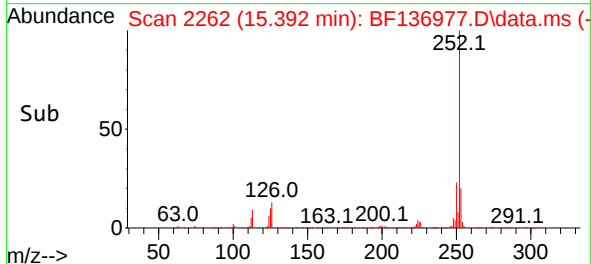
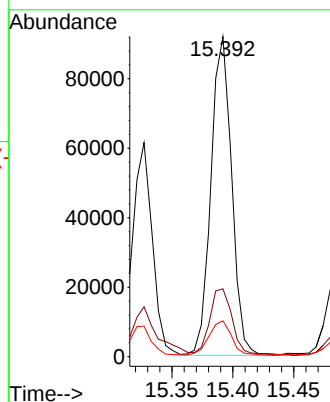
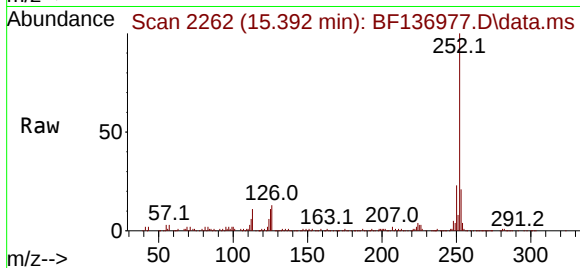
Tgt Ion:252 Resp: 108493

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 11.2 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.028 ng

RT: 16.974 min Scan# 2531

Delta R.T. 0.006 min

Lab File: BF136977.D

Acq: 05 Jan 2024 15:51

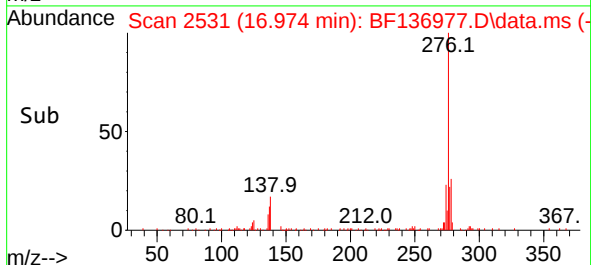
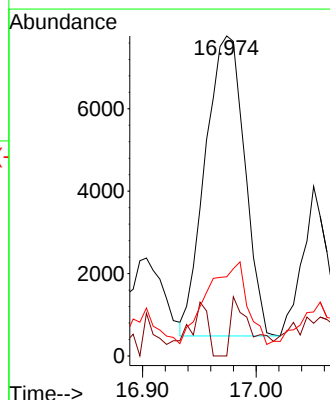
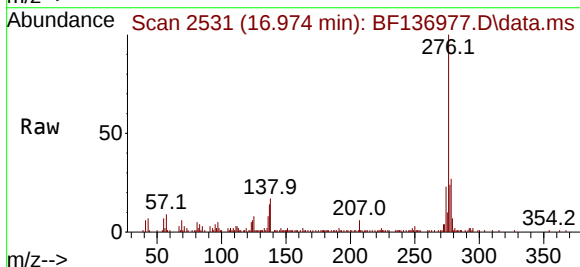
Tgt Ion:278 Resp: 17533

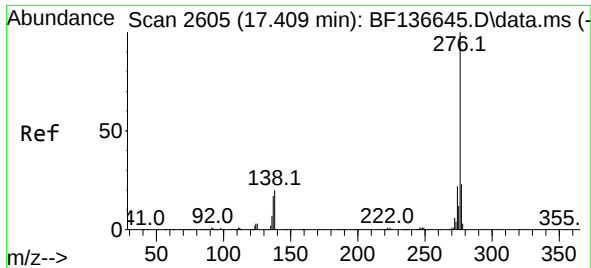
Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

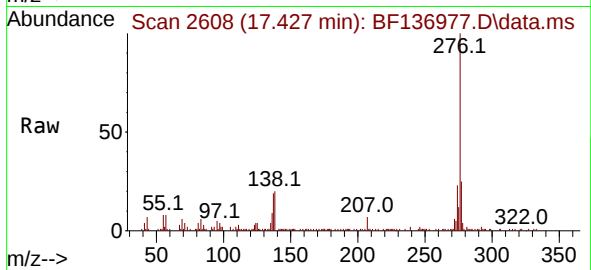
279 24.8 17.8 26.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.133 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF136977.D
 Acq: 05 Jan 2024 15:51

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2DDL



Tgt Ion:276 Resp: 63147
 Ion Ratio Lower Upper
 276 100
 277 25.4 18.3 27.5
 138 20.2 15.6 23.4

