

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136981.D
 Acq On : 05 Jan 2024 17:57
 Operator : CG\JU
 Sample : 06045-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-300-0-2

Quant Time: Jan 05 22:51:12 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)

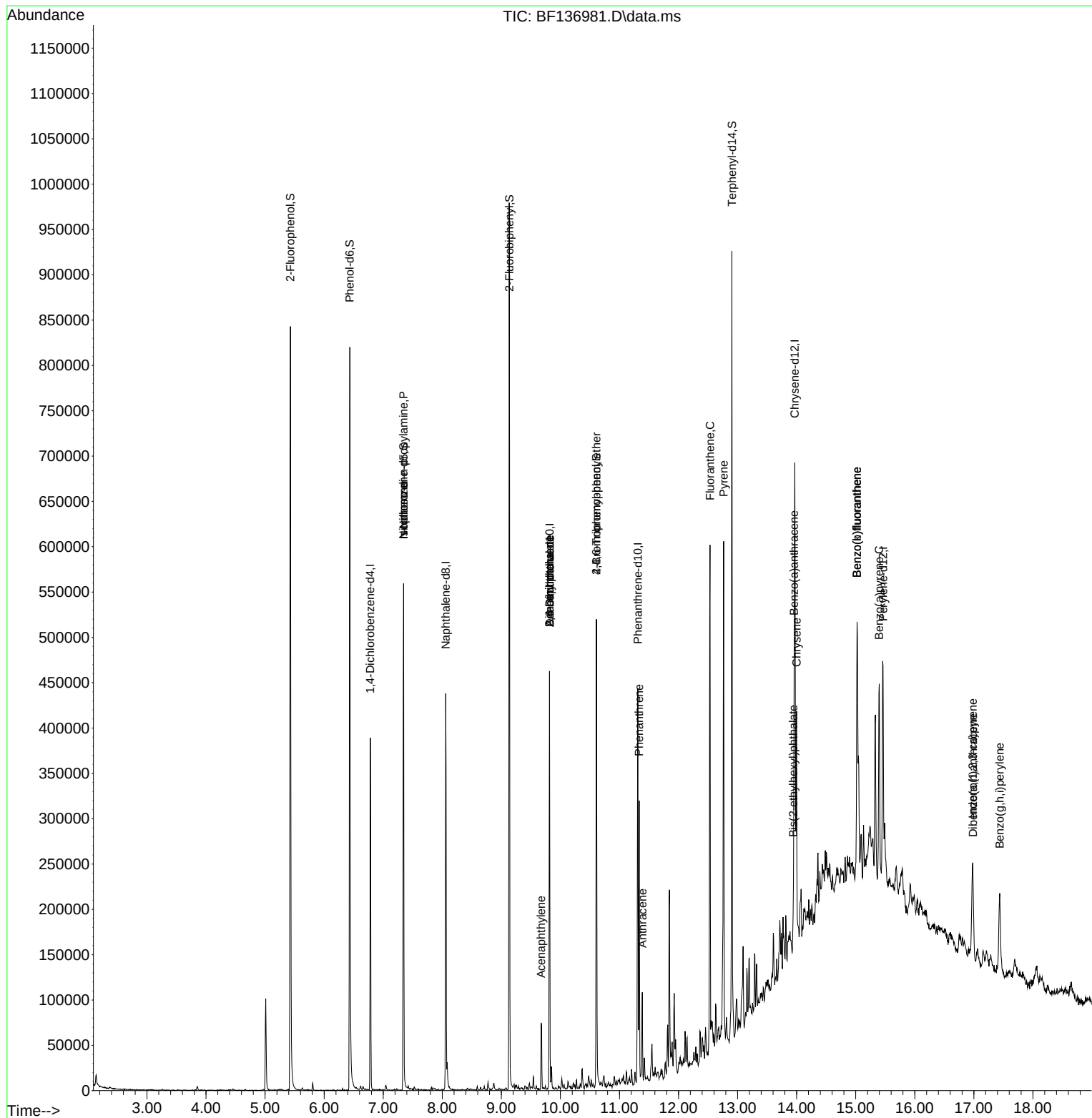
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	55013	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	194298	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	84327	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	151807	20.000	ng	0.00
76) Chrysene-d12	13.969	240	135341	20.000	ng	0.00
86) Perylene-d12	15.463	264	113770	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	232717	66.003	ng	0.00
7) Phenol-d6	6.434	99	274020	59.979	ng	0.00
23) Nitrobenzene-d5	7.345	82	169689	44.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	64780	65.228	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	299418	47.756	ng	-0.02
79) Terphenyl-d14	12.904	244	276882	28.590	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	21436	7.740	ng	# 73
25) Isophorone	7.345	82	169687	24.560	ng	# 65
49) Acenaphthylene	9.675	152	33584	4.084	ng	95
50) Dimethylphthalate	9.816	163	16394	2.662	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11057	7.910	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	11057	6.093	ng	# 20
67) 4-Bromophenyl-phenylether	10.610	248	3551	2.106	ng	# 1
71) Phenanthrene	11.333	178	105464	13.540	ng	99
72) Anthracene	11.386	178	34728	4.402	ng	98
75) Fluoranthene	12.533	202	225282	27.039	ng	99
78) Pyrene	12.763	202	218157	16.420	ng	99
81) Benzo(a)anthracene	13.957	228	121831	12.964	ng	95
83) Chrysene	13.998	228	115518	12.570	ng	95
84) Bis(2-ethylhexyl)phtha...	13.945	149	14484	2.381	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.980	276	68586	8.350	ng	97
88) Benzo(b)fluoranthene	15.021	252	210503	27.702	ng	# 97
89) Benzo(k)fluoranthene	15.021	252	210503	29.317	ng	97
90) Benzo(a)pyrene	15.398	252	102352	15.957	ng	96
91) Dibenzo(a,h)anthracene	16.986	278	18294	2.715	ng	# 82
92) Benzo(g,h,i)perylene	17.439	276	69683	10.096	ng	98

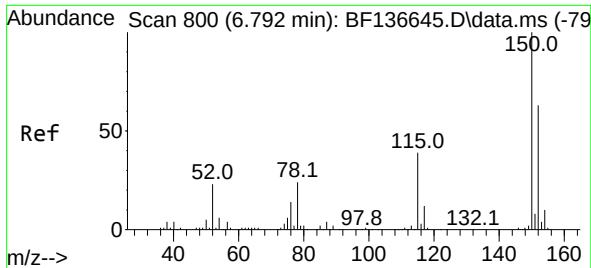
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 22:51:12 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

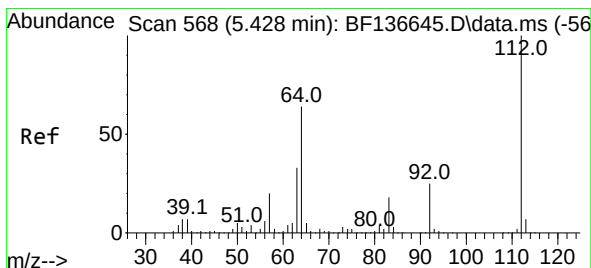
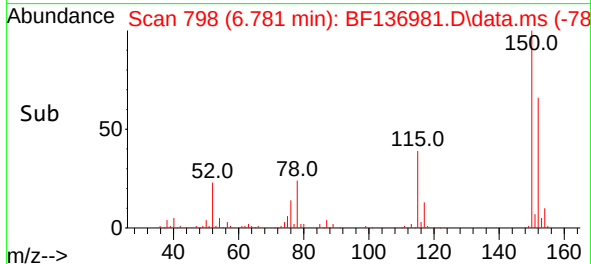
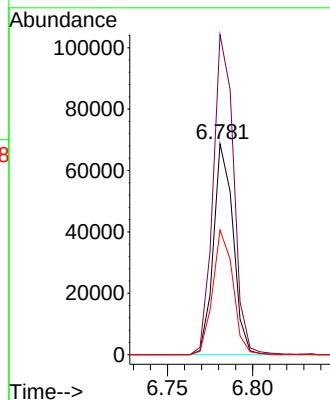
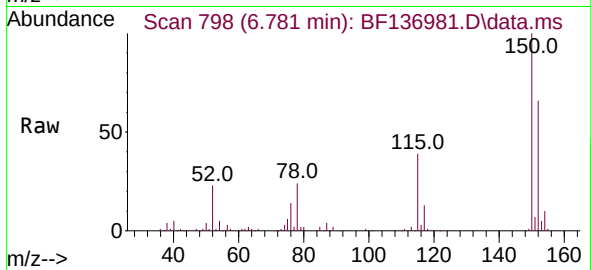




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

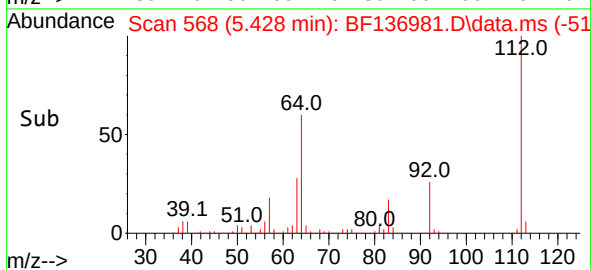
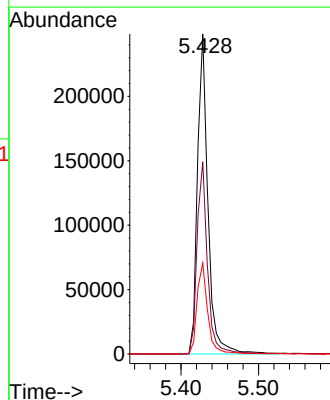
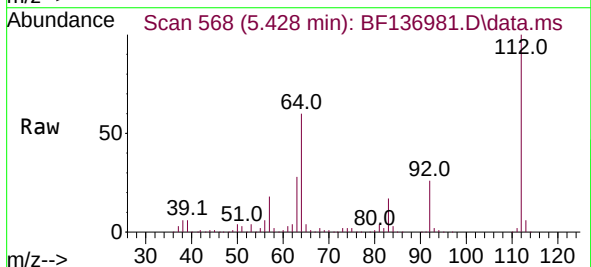
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

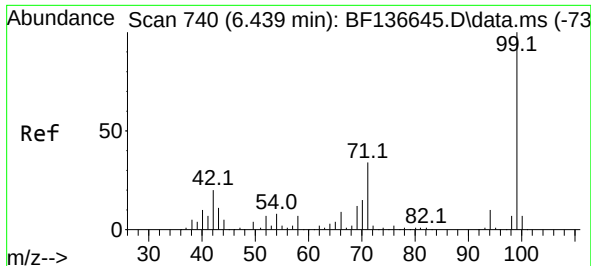
Tgt Ion:152 Resp: 55013
Ion Ratio Lower Upper
152 100
150 151.7 127.0 190.6
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 66.003 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

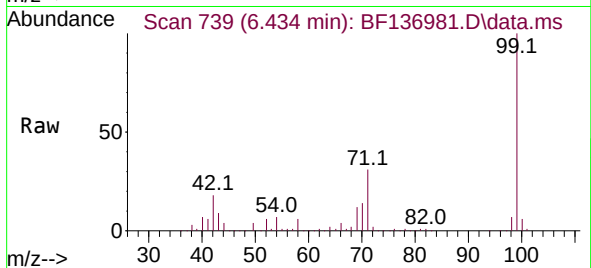
Tgt Ion:112 Resp: 232717
Ion Ratio Lower Upper
112 100
64 60.1 51.1 76.7
63 28.4 26.1 39.1



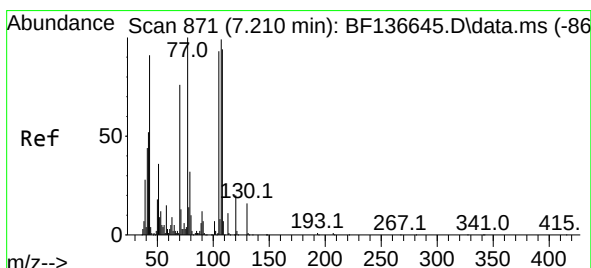
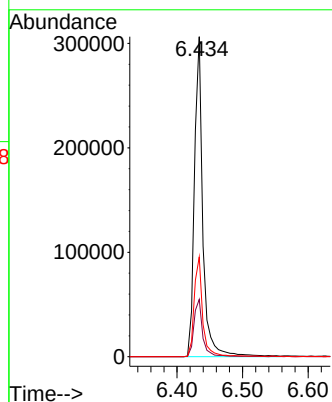
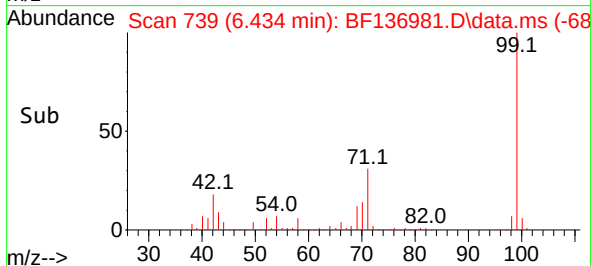


#7
Phenol-d6
Concen: 59.979 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

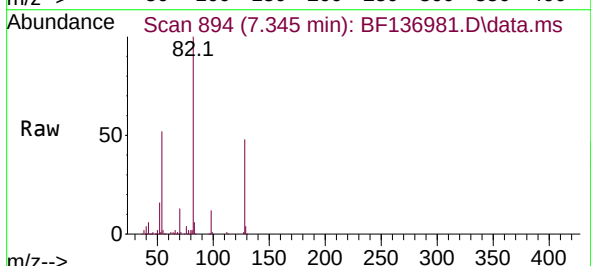
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2



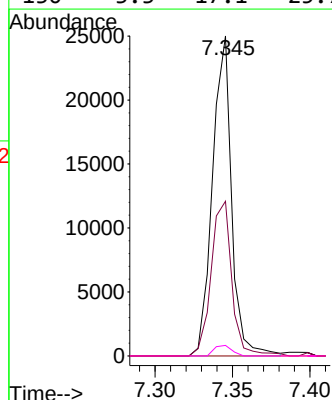
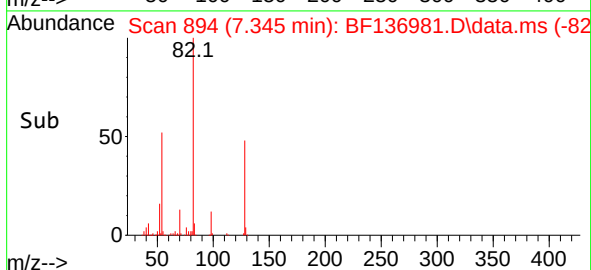
Tgt Ion: 99 Resp: 274020
Ion Ratio Lower Upper
99 100
42 17.9 16.1 24.1
71 31.1 27.4 41.2

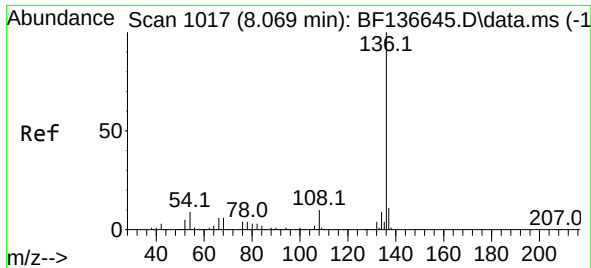


#19
n-Nitroso-di-n-propylamine
Concen: 7.740 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57



Tgt Ion: 70 Resp: 21436
Ion Ratio Lower Upper
70 100
42 48.4 54.2 81.4#
101 0.0 7.6 11.4#
130 3.3 17.1 25.7#



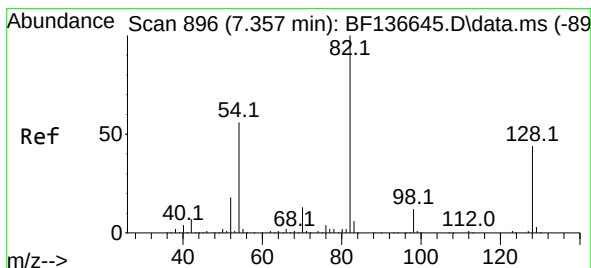
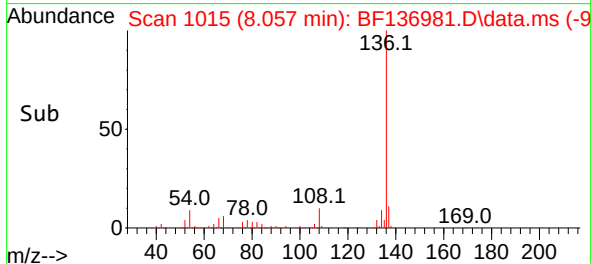
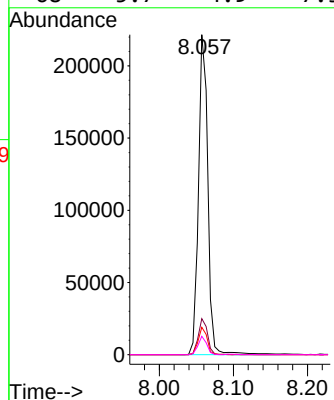
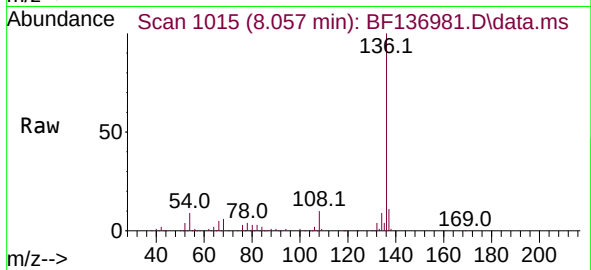


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

Tgt Ion:136 Resp: 194298

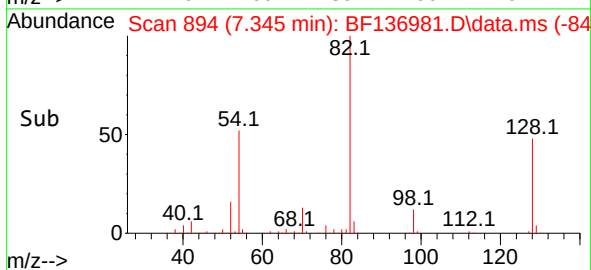
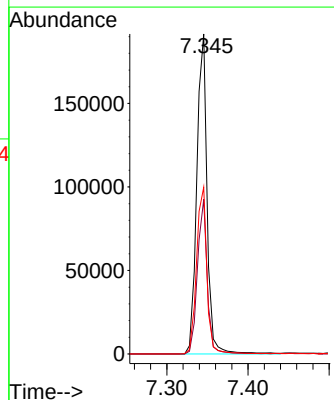
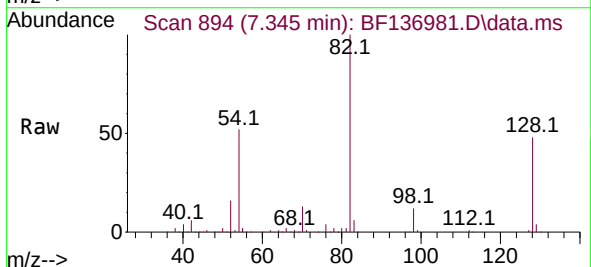
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.6	7.2	10.8
68	5.7	4.9	7.3

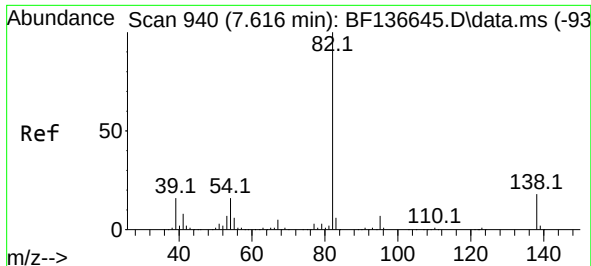


#23
Nitrobenzene-d5
Concen: 44.690 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion: 82 Resp: 169689

Ion	Ratio	Lower	Upper
82	100		
128	48.3	35.3	52.9
54	52.1	44.5	66.7

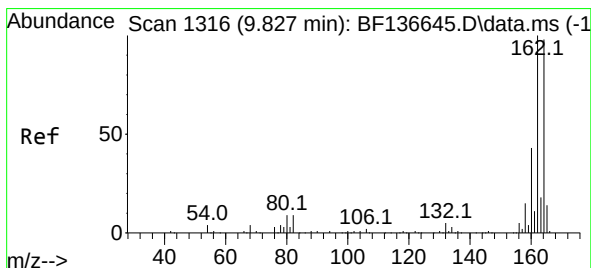
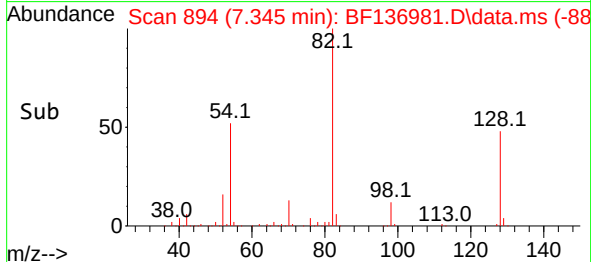
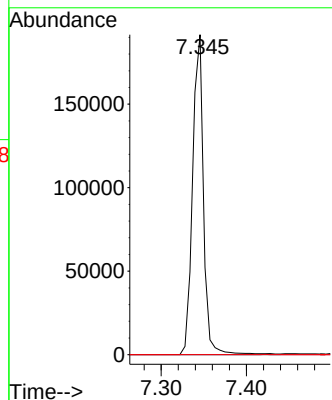
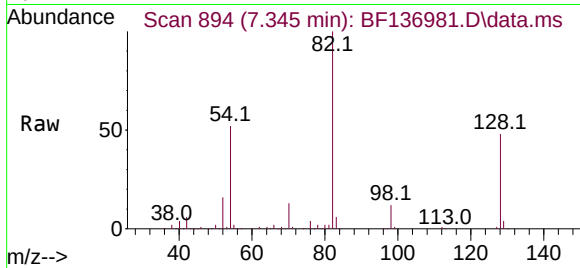




#25
Isophorone
Concen: 24.560 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

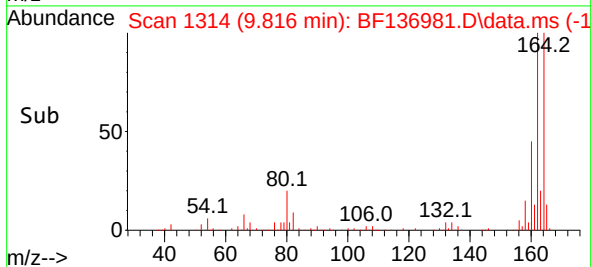
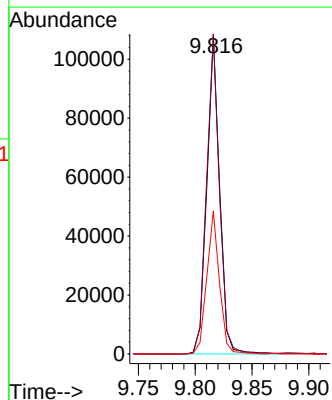
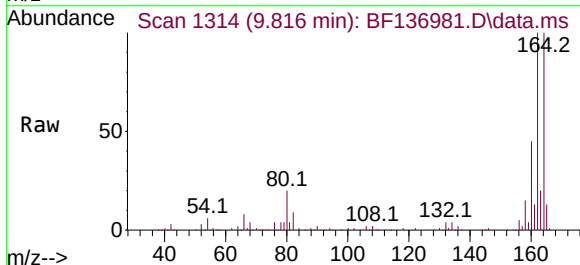
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

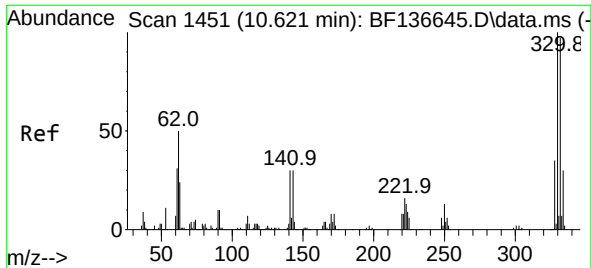
Tgt Ion: 82 Resp: 169687
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:164 Resp: 84327
Ion Ratio Lower Upper
164 100
162 100.4 81.6 122.4
160 44.9 34.9 52.3

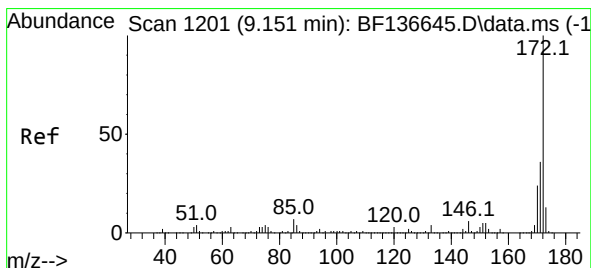
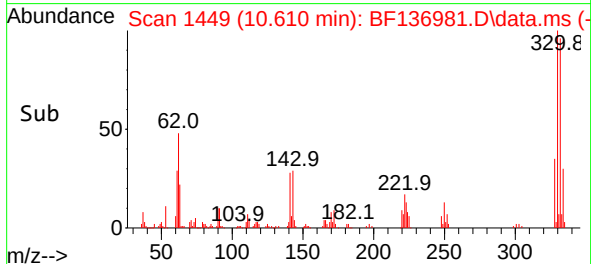
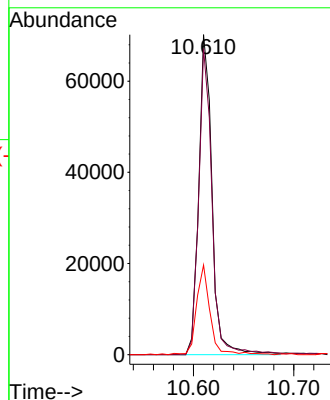
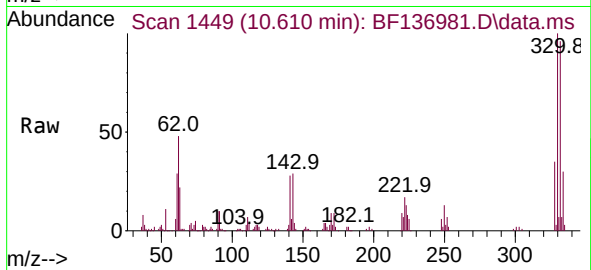




#42
 2,4,6-Tribromophenol
 Concen: 65.228 ng
 RT: 10.610 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF136981.D
 Acq: 05 Jan 2024 17:57

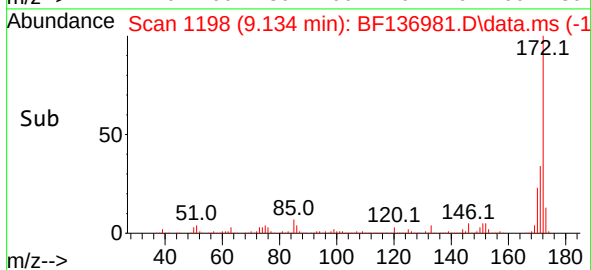
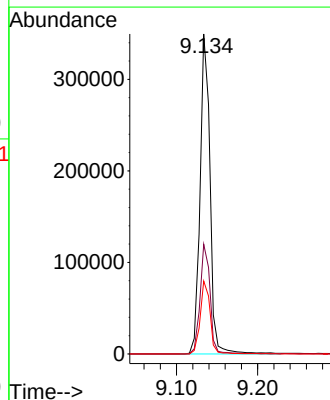
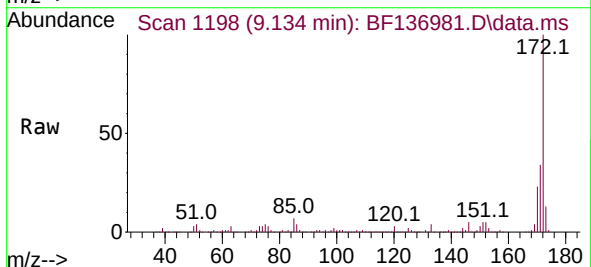
Instrument :
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 ClientSampleId :
 MR-300-0-2

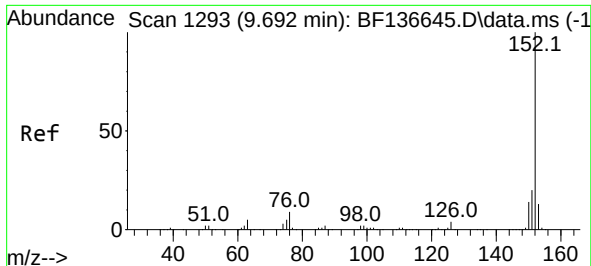
Tgt Ion: 330 Resp: 64780
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.4 116.0
 141 28.6 23.4 35.2



#45
 2-Fluorobiphenyl
 Concen: 47.756 ng
 RT: 9.134 min Scan# 1198
 Delta R.T. -0.017 min
 Lab File: BF136981.D
 Acq: 05 Jan 2024 17:57

Tgt Ion: 172 Resp: 299418
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.0 43.6
 170 22.8 19.0 28.4





#49

Acenaphthylene

Concen: 4.084 ng

RT: 9.675 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

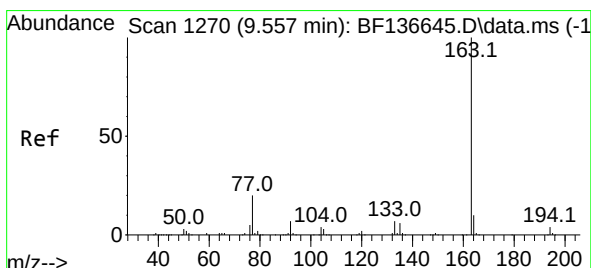
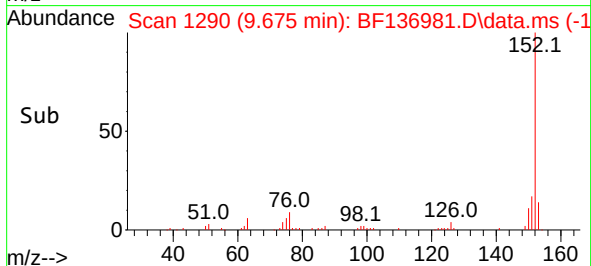
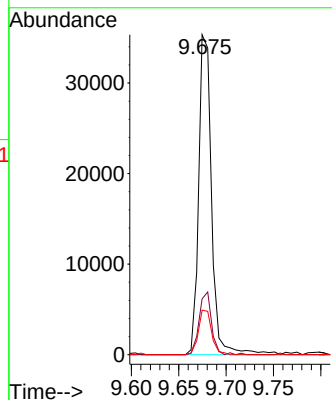
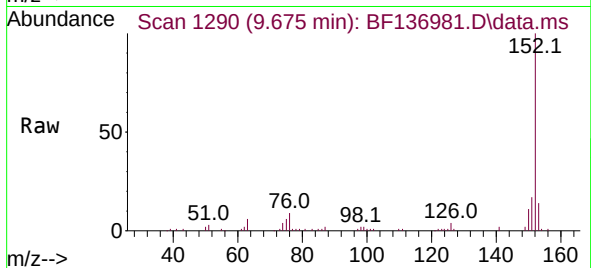
Tgt Ion:152 Resp: 33584

Ion Ratio Lower Upper

152 100

151 17.4 16.2 24.4

153 13.9 10.2 15.2



#50

Dimethylphthalate

Concen: 2.662 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

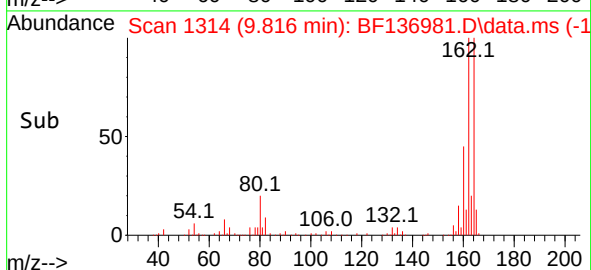
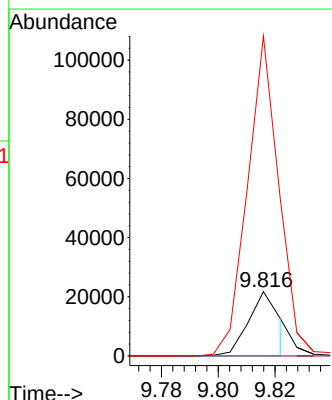
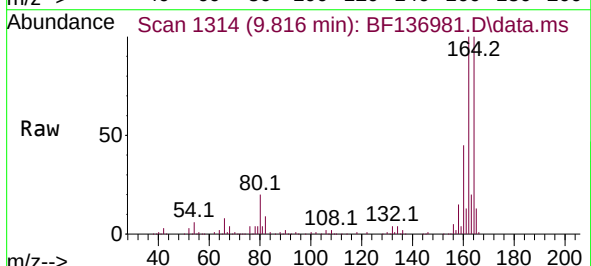
Tgt Ion:163 Resp: 16394

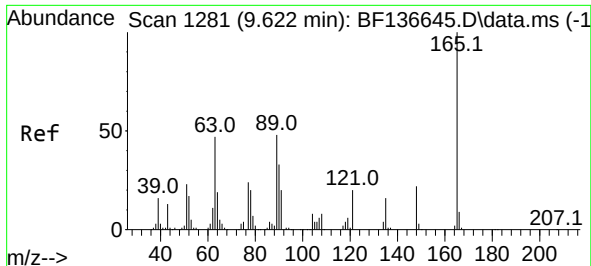
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 498.0 7.8 11.6#





#51

2,6-Dinitrotoluene

Concen: 7.910 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

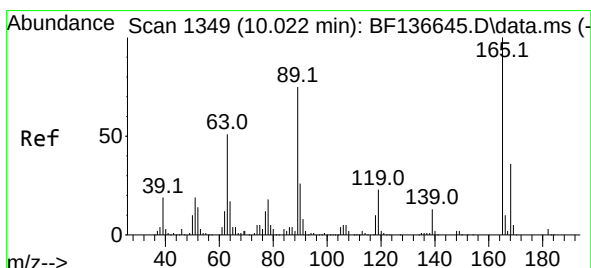
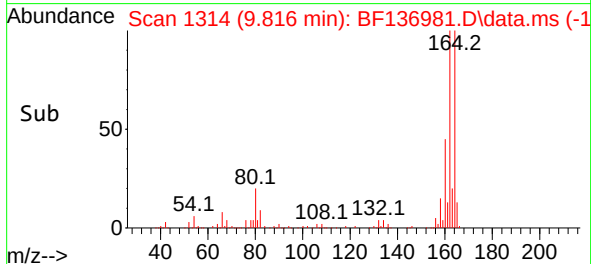
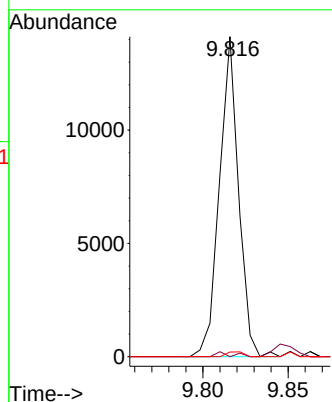
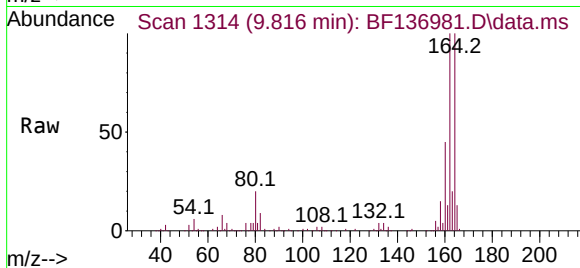
Tgt Ion:165 Resp: 11057

Ion Ratio Lower Upper

165 100

63 0.0 39.8 59.6#

89 1.5 38.8 58.2#



#57

2,4-Dinitrotoluene

Concen: 6.093 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:165 Resp: 11057

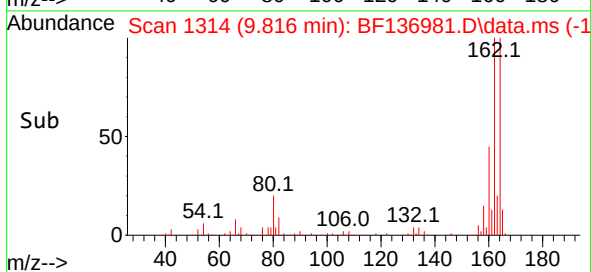
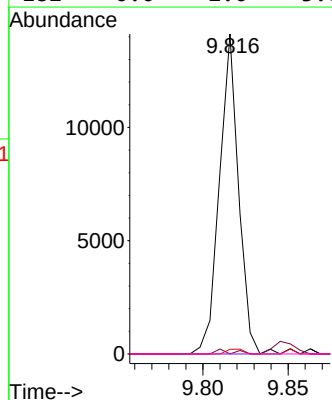
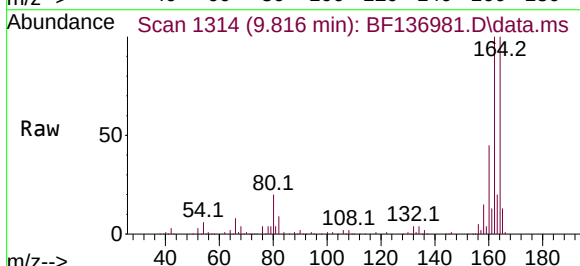
Ion Ratio Lower Upper

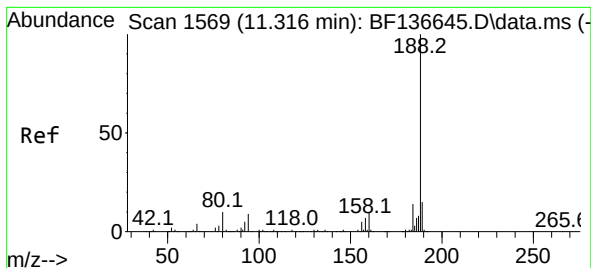
165 100

63 0.0 41.0 61.6#

89 1.5 59.9 89.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

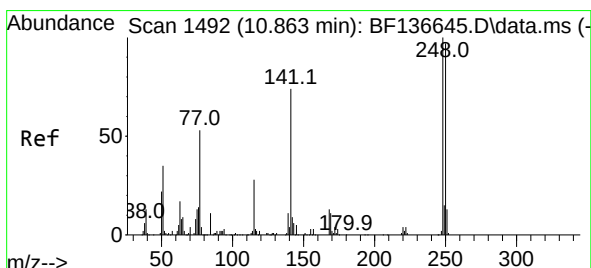
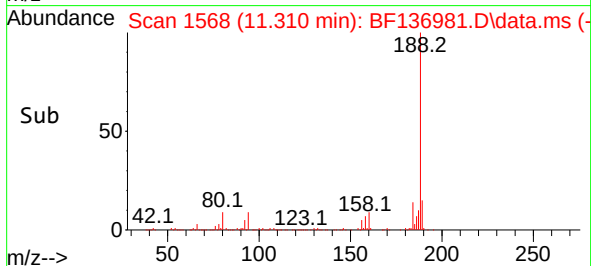
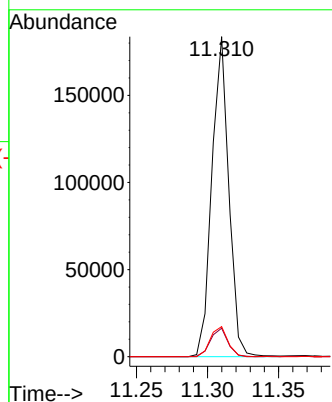
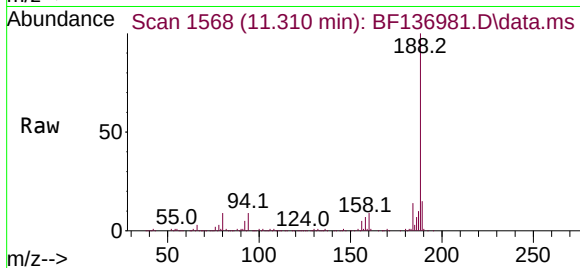
Tgt Ion:188 Resp: 151807

Ion Ratio Lower Upper

188 100

94 8.9 7.5 11.3

80 9.4 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.106 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

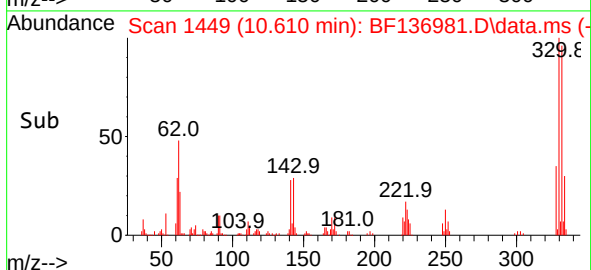
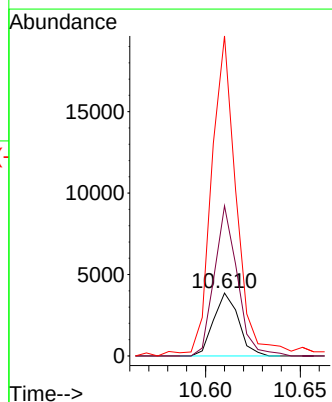
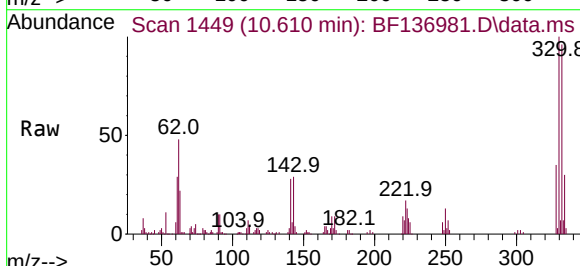
Tgt Ion:248 Resp: 3551

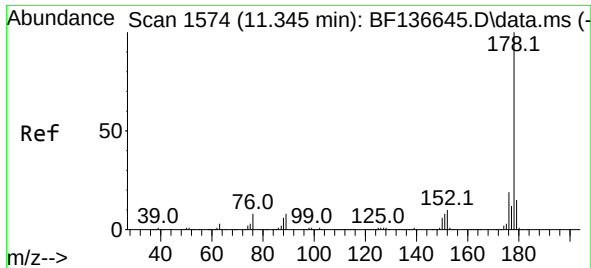
Ion Ratio Lower Upper

248 100

250 238.5 77.8 116.6#

141 508.4 59.2 88.8#

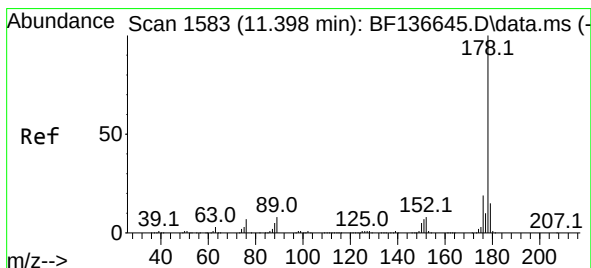
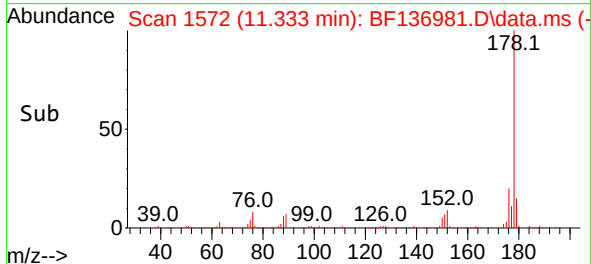
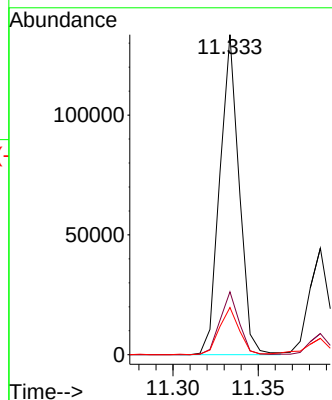
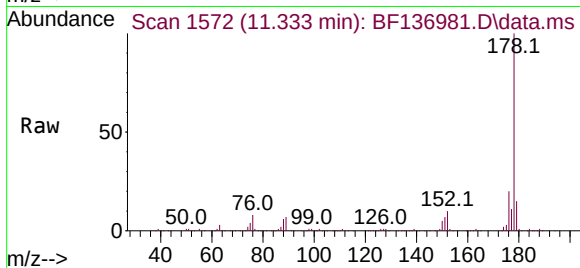




#71
Phenanthrene
Concen: 13.540 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

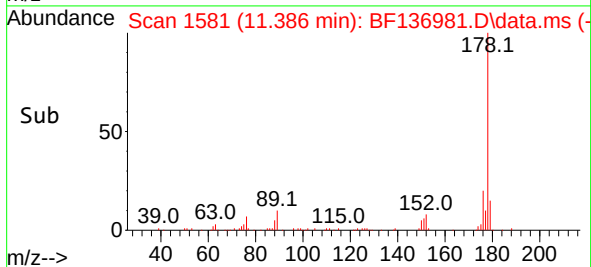
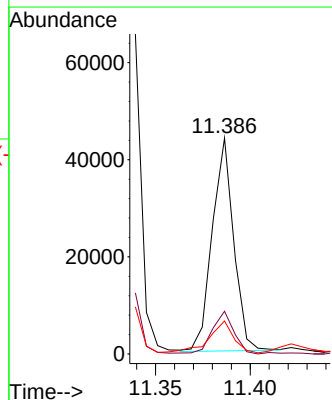
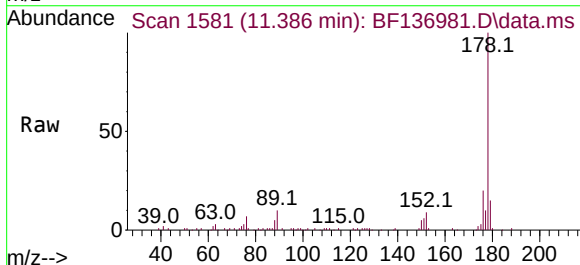
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

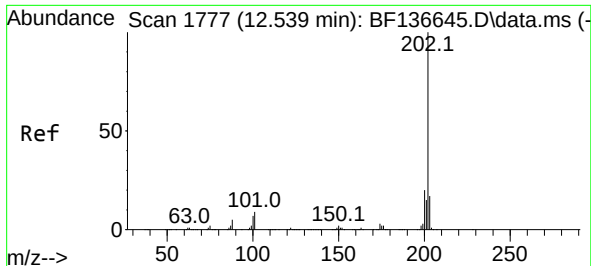
Tgt Ion:178 Resp: 105464
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 14.7 11.9 17.9



#72
Anthracene
Concen: 4.402 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:178 Resp: 34728
Ion Ratio Lower Upper
178 100
176 19.8 14.9 22.3
179 15.3 11.8 17.6

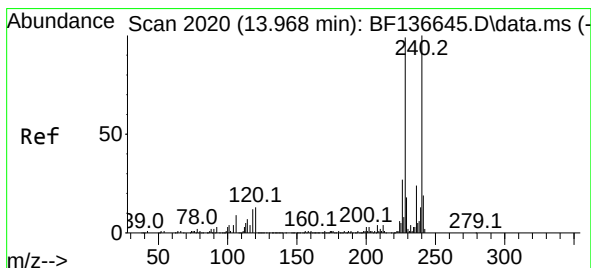
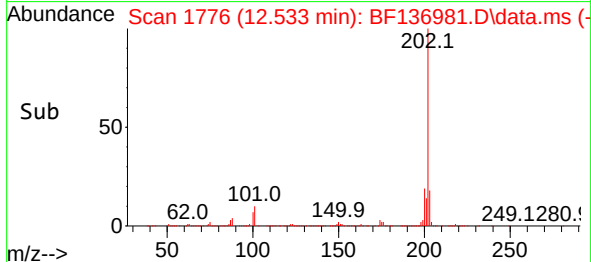
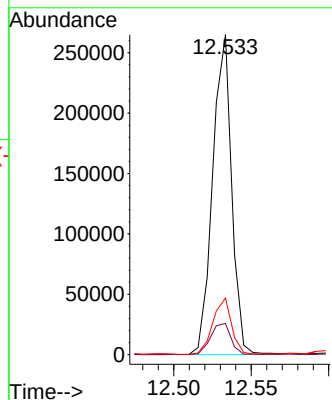
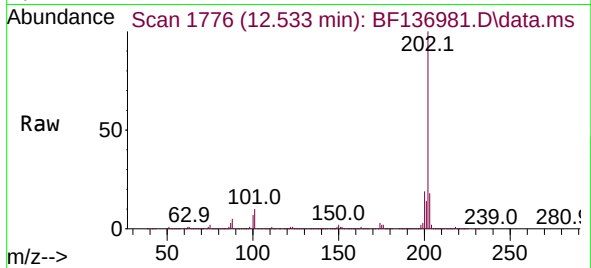




#75
Fluoranthene
Concen: 27.039 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

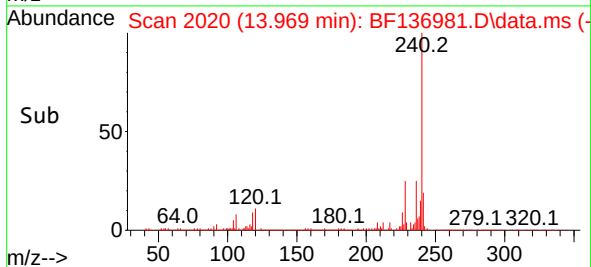
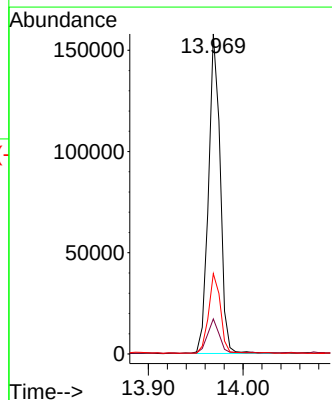
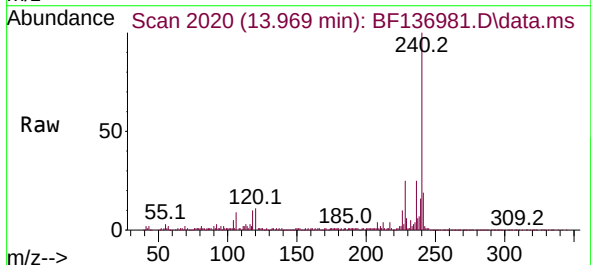
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

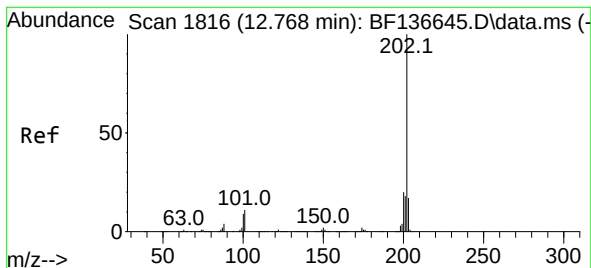
Tgt Ion:202 Resp: 225282
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.3
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:240 Resp: 135341
Ion Ratio Lower Upper
240 100
120 11.0 10.3 15.5
236 25.1 19.4 29.2





#78

Pyrene

Concen: 16.420 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

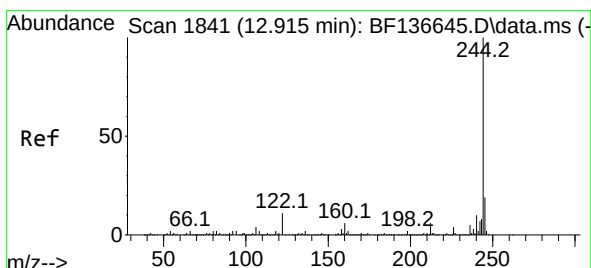
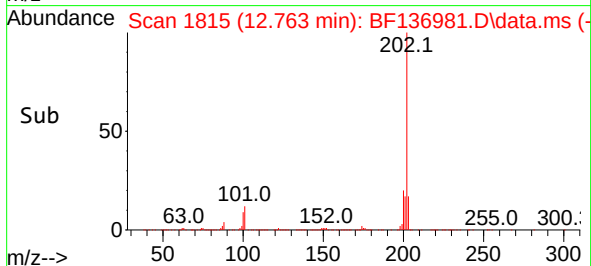
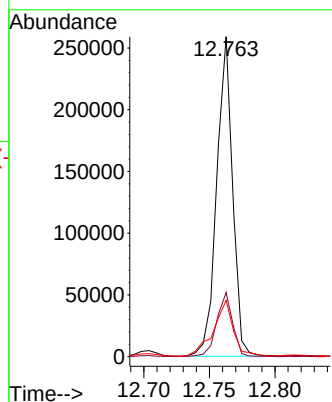
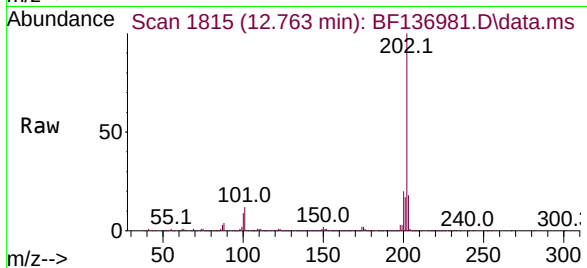
Tgt Ion:202 Resp: 218157

Ion Ratio Lower Upper

202 100

200 20.1 15.9 23.9

203 17.6 13.8 20.6



#79

Terphenyl-d14

Concen: 28.590 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

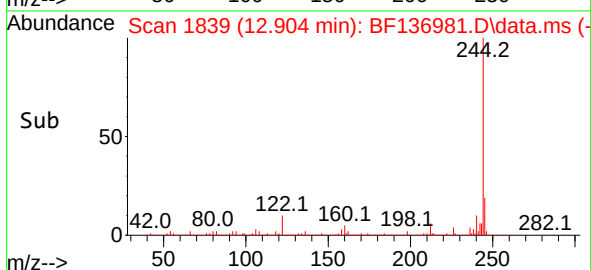
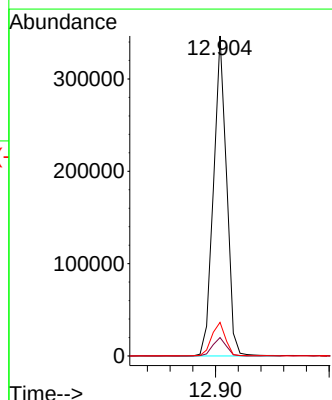
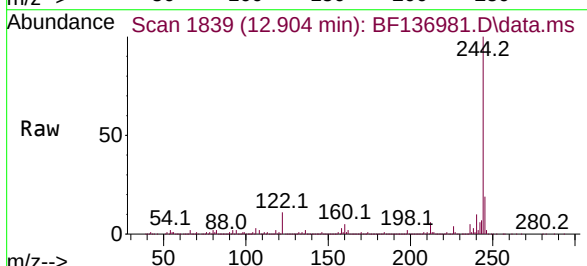
Tgt Ion:244 Resp: 276882

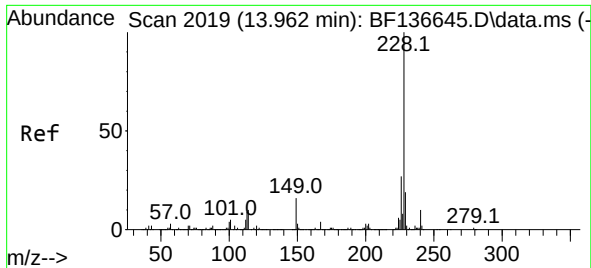
Ion Ratio Lower Upper

244 100

212 5.8 5.0 7.4

122 10.5 9.0 13.4

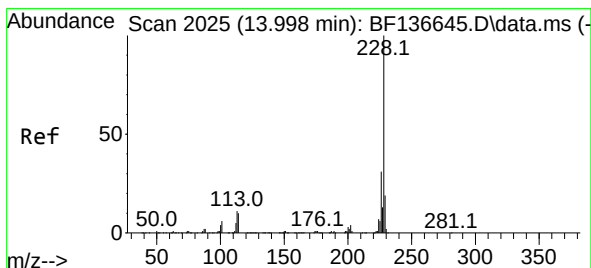
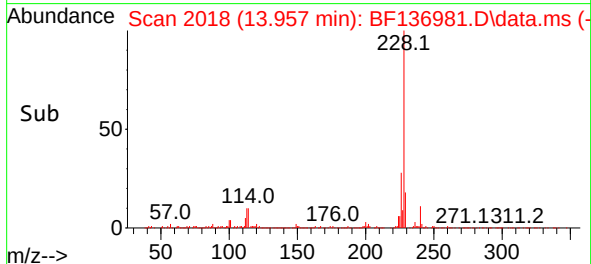
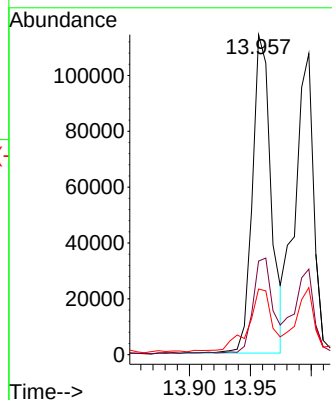
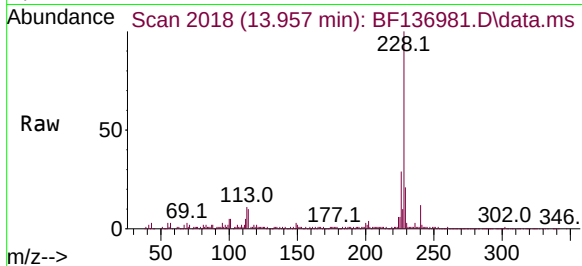




#81
Benzo(a)anthracene
Concen: 12.964 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

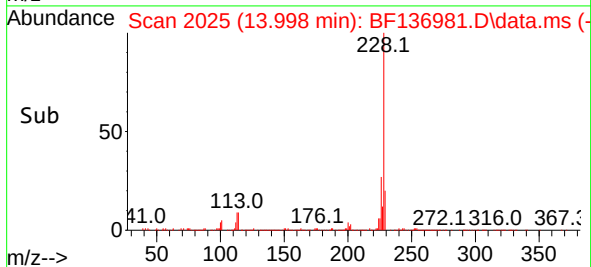
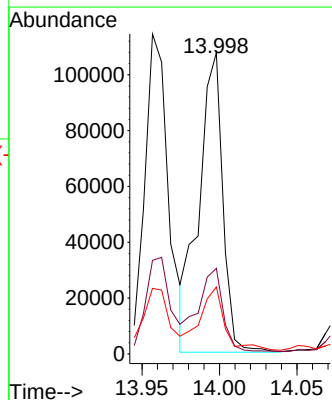
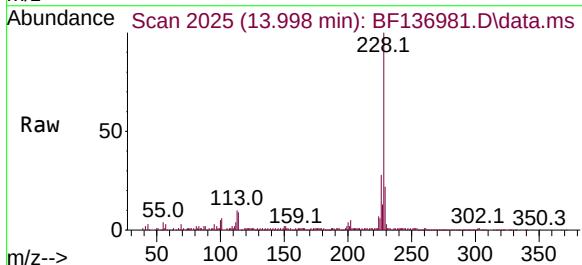
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

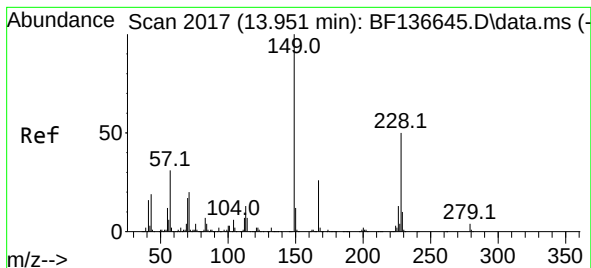
Tgt Ion:228 Resp: 121831
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 20.5 14.9 22.3



#83
Chrysene
Concen: 12.570 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:228 Resp: 115518
Ion Ratio Lower Upper
228 100
226 28.4 24.7 37.1
229 22.3 15.4 23.0

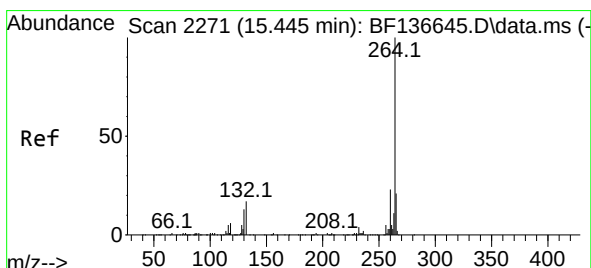
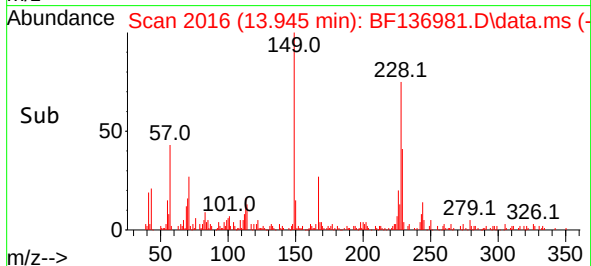
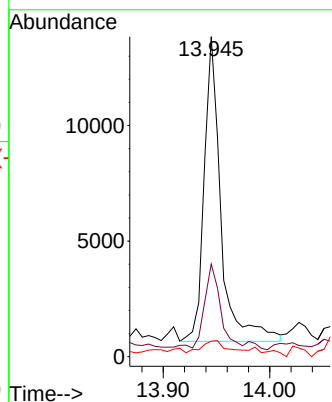
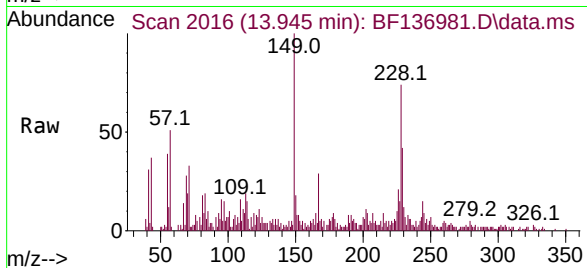




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.381 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

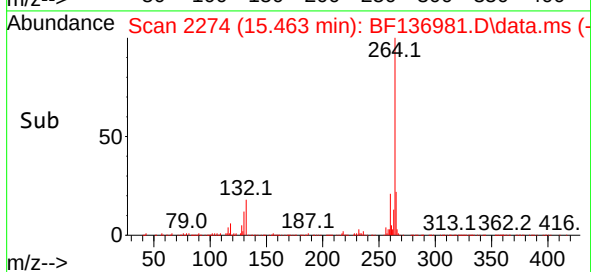
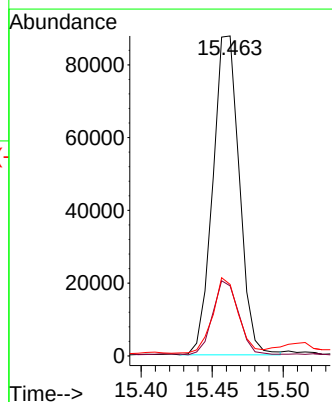
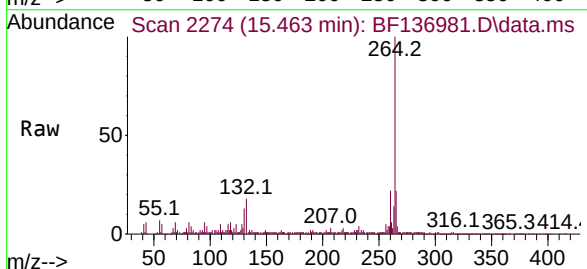
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

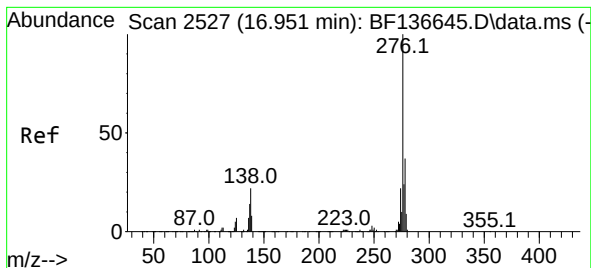
Tgt Ion:149 Resp: 14484
Ion Ratio Lower Upper
149 100
167 29.0 20.9 31.3
279 4.8 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:264 Resp: 113770
Ion Ratio Lower Upper
264 100
260 21.9 18.3 27.5
265 22.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.350 ng

RT: 16.980 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

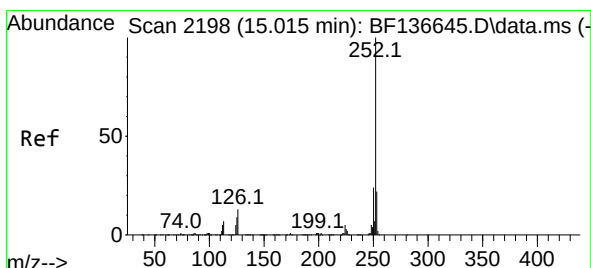
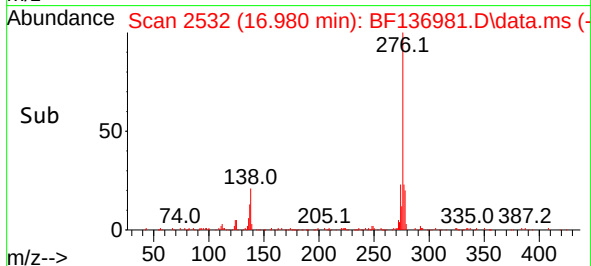
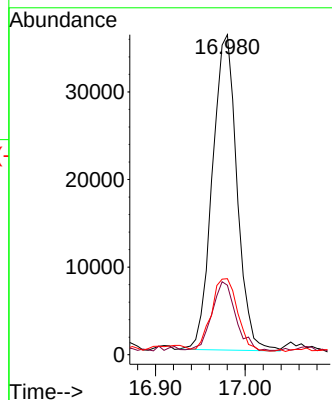
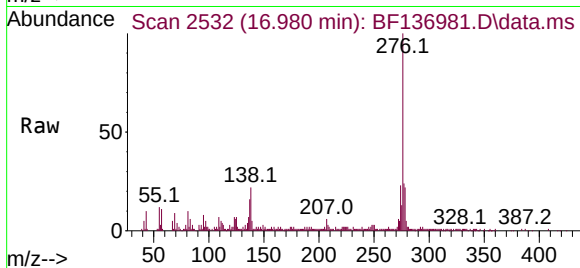
Tgt Ion:276 Resp: 68586

Ion Ratio Lower Upper

276 100

138 21.3 18.7 28.1

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 27.702 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

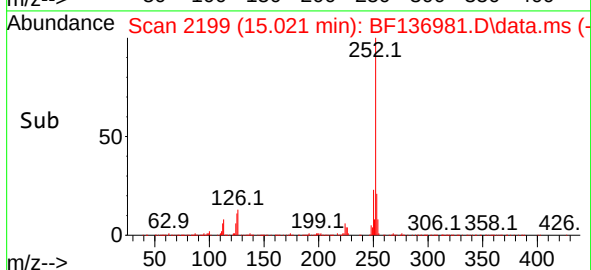
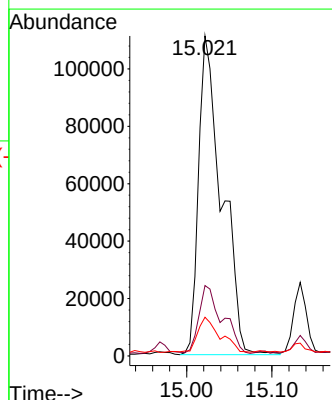
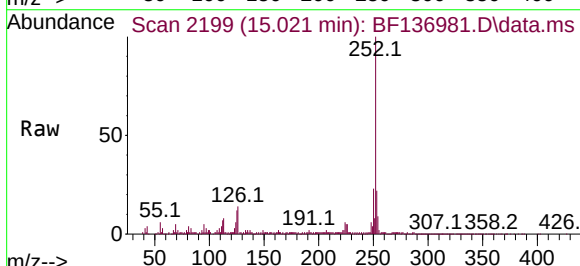
Tgt Ion:252 Resp: 210503

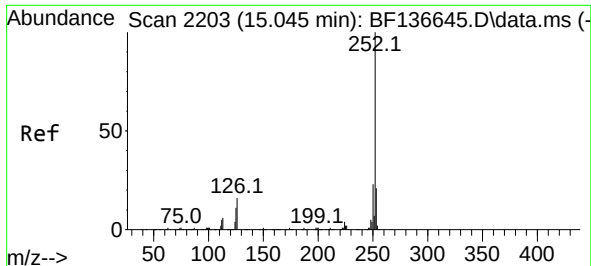
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 12.1 7.4 11.2#

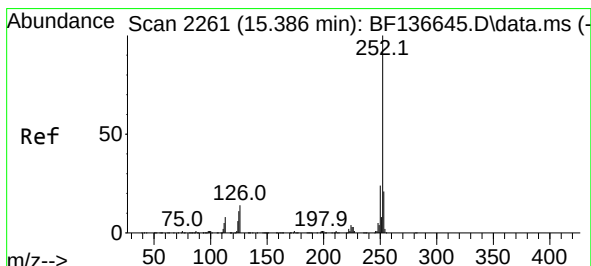
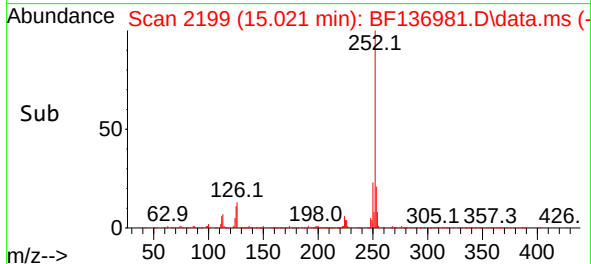
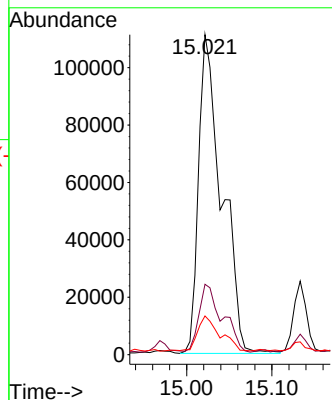
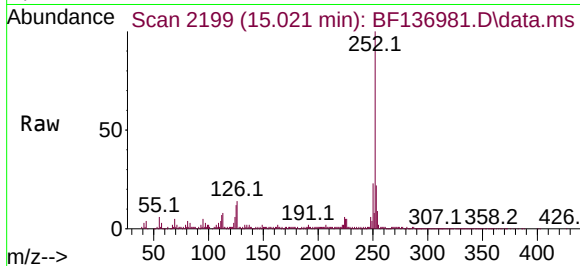




#89
Benzo(k)fluoranthene
Concen: 29.317 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

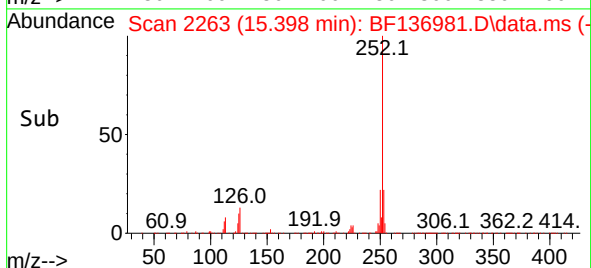
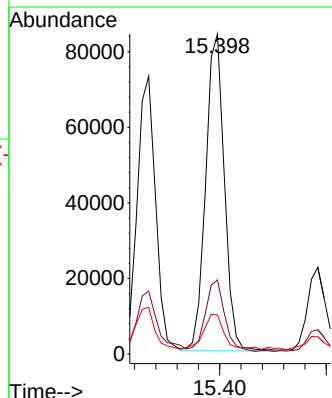
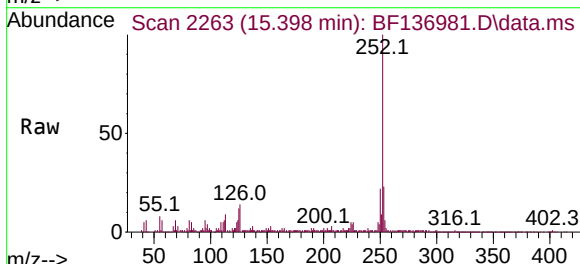
Instrument :
BNA_F
ClientSampleId :
MR-300-0-2

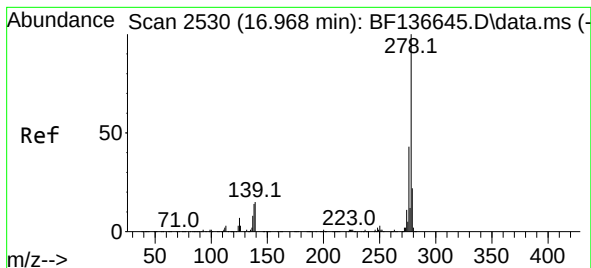
Tgt Ion:252 Resp: 210503
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 12.1 8.2 12.4



#90
Benzo(a)pyrene
Concen: 15.957 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF136981.D
Acq: 05 Jan 2024 17:57

Tgt Ion:252 Resp: 102352
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 12.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.715 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Instrument :

BNA_F

ClientSampleId :

MR-300-0-2

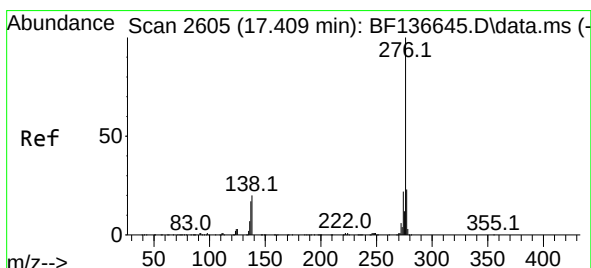
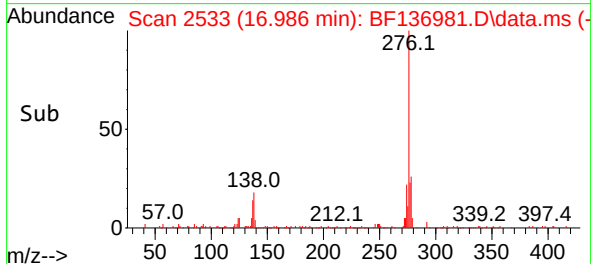
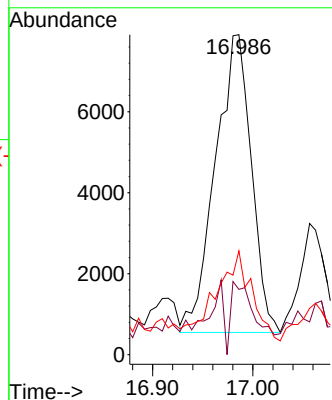
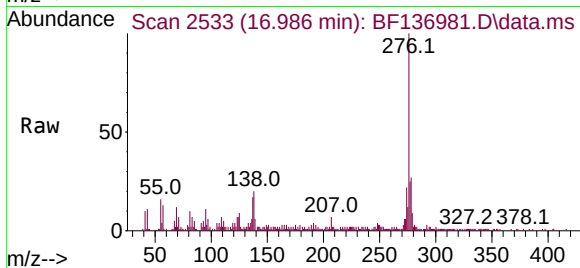
Tgt Ion:278 Resp: 18294

Ion Ratio Lower Upper

278 100

139 20.4 12.2 18.4#

279 32.4 17.8 26.6#



#92

Benzo(g,h,i)perylene

Concen: 10.096 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.030 min

Lab File: BF136981.D

Acq: 05 Jan 2024 17:57

Tgt Ion:276 Resp: 69683

Ion Ratio Lower Upper

276 100

277 24.1 18.3 27.5

138 20.6 15.6 23.4

