

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136895.D
 Acq On : 03 Jan 2024 03:44
 Operator : CG\JU
 Sample : 05899-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 03 04:21:48 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	76817	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	276536	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	132257	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	207831	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	132717	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	131609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	394693	80.169	ng	0.00
7) Phenol-d6	6.434	99	498094	78.079	ng	0.00
23) Nitrobenzene-d5	7.345	82	304038	56.260	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	110937	71.222	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	584305	59.421	ng	-0.02
79) Terphenyl-d14	12.904	244	449894	47.372	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	39121	10.116	ng	# 73
25) Isophorone	7.345	82	304034	30.918	ng	# 65
31) Naphthalene	8.075	128	56631	3.728	ng	98
37) 2-Methylnaphthalene	8.769	142	37429	3.828	ng	96
50) Dimethylphthalate	9.533	163	26467	2.740	ng	97
51) 2,6-Dinitrotoluene	9.810	165	18245	8.322	ng	# 31
52) Acenaphthene	9.845	154	39331	4.920	ng	98
55) Dibenzofuran	10.016	168	78561	6.483	ng	97
56) 4-Nitrophenol	10.016	139	26059	16.621	ng	# 9
57) 2,4-Dinitrotoluene	9.810	165	18245	6.410	ng	# 22
58) Fluorene	10.363	166	110740	11.517	ng	99
67) 4-Bromophenyl-phenylether	10.604	248	6594	2.857	ng	# 1
71) Phenanthrene	11.333	178	273150	25.614	ng	100
72) Anthracene	11.386	178	916394	84.853	ng	99
73) Carbazole	11.545	167	289973	28.479	ng	99
75) Fluoranthene	12.533	202	132798	11.642	ng	99
78) Pyrene	12.757	202	79201	6.079	ng	98
81) Benzo(a)anthracene	13.957	228	30765	3.338	ng	96
83) Chrysene	13.992	228	41574	4.613	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	57814	9.693	ng	# 98
88) Benzo(b)fluoranthene	15.010	252	21533	2.450	ng	# 89
89) Benzo(k)fluoranthene	15.010	252	21533	2.592	ng	# 89

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

Instrument :

BNA F

ClientSampleId :

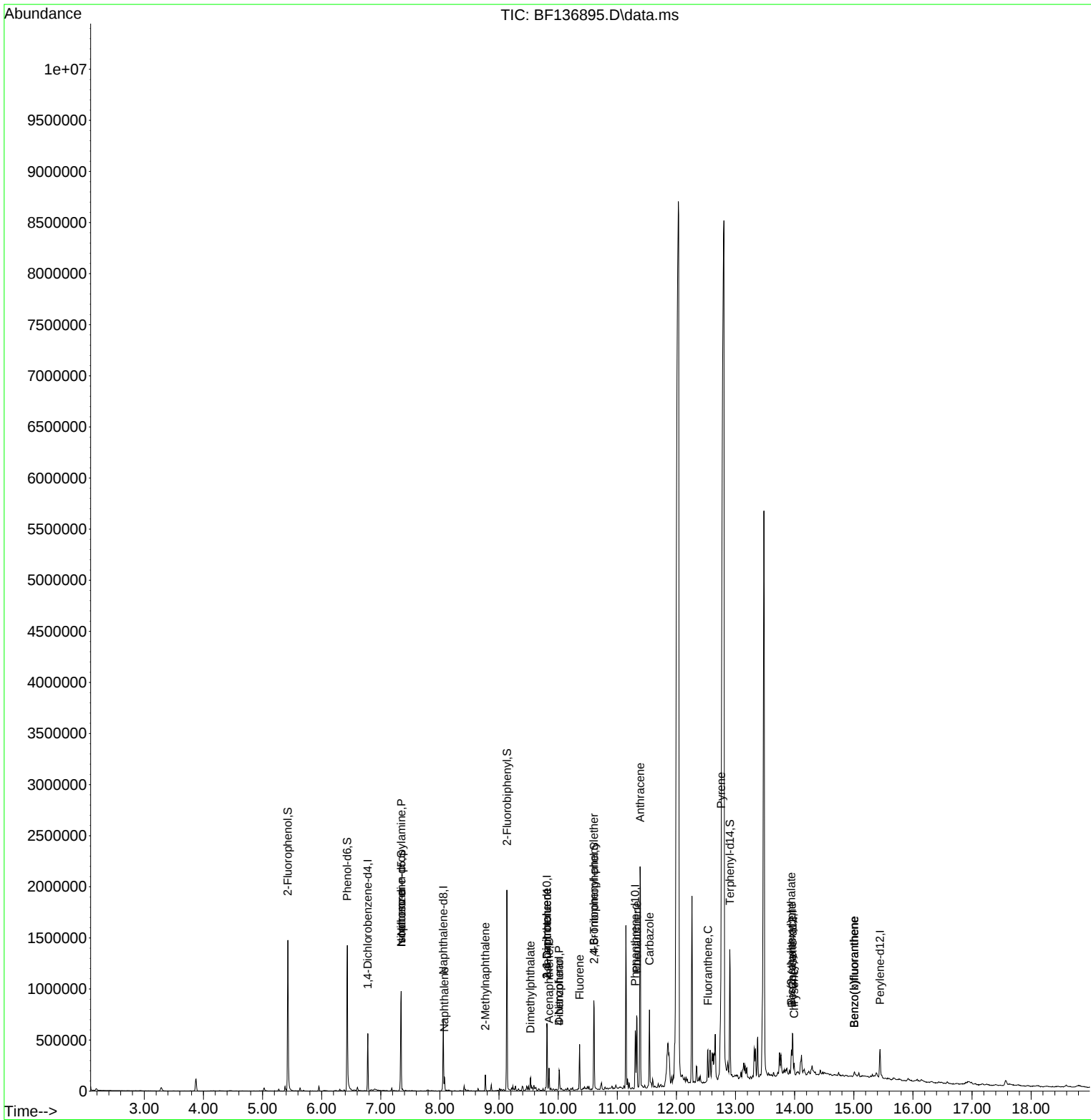
Quant Time: Jan 03 04:21:48 2024

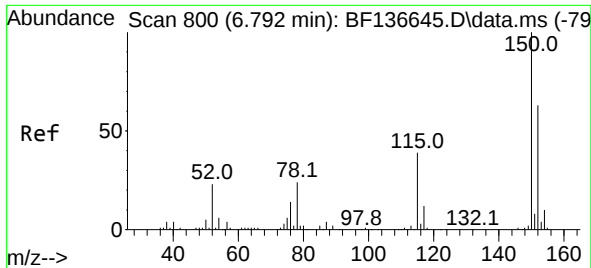
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Dec 21 01:54:25 2023

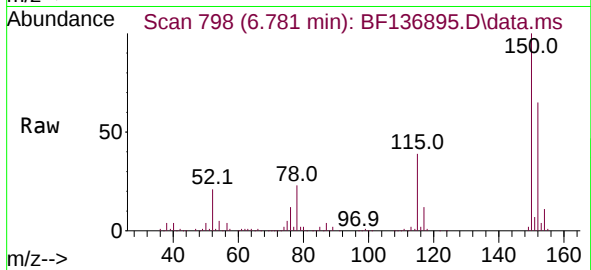
Response via : Initial Calibration



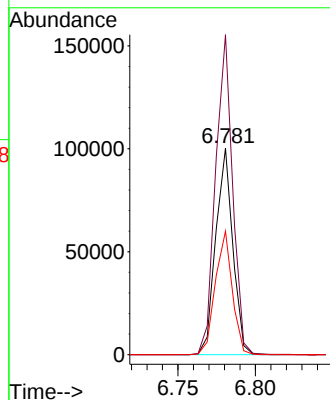
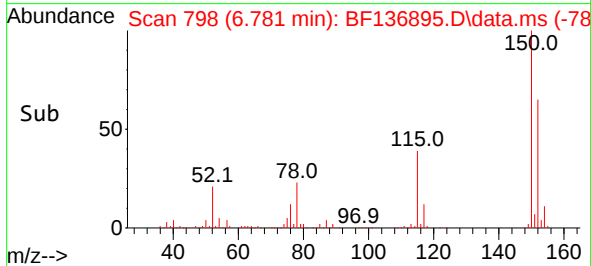


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

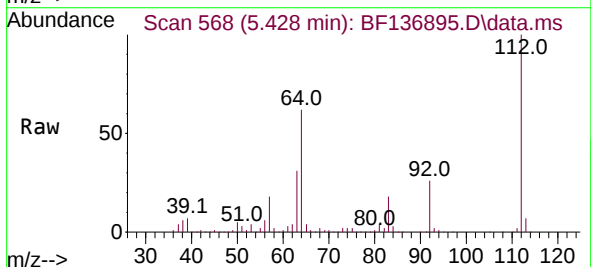
Instrument :
BNA_F
ClientSampleId :



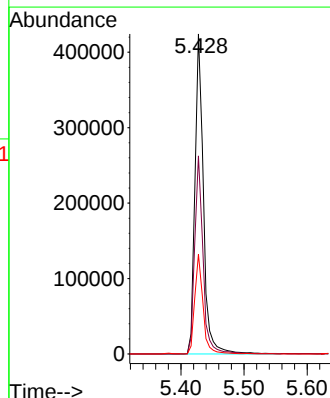
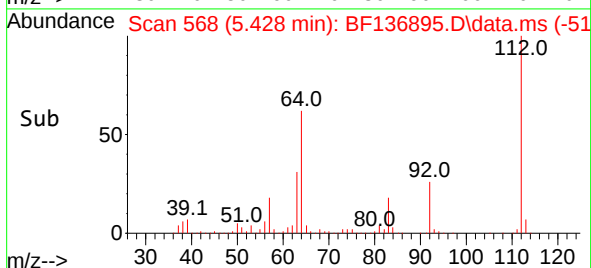
Tgt Ion:152 Resp: 76817
Ion Ratio Lower Upper
152 100
150 154.9 127.0 190.6
115 59.8 49.0 73.4

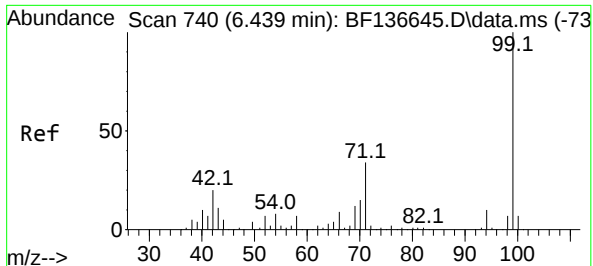


#5
2-Fluorophenol
Concen: 80.169 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44



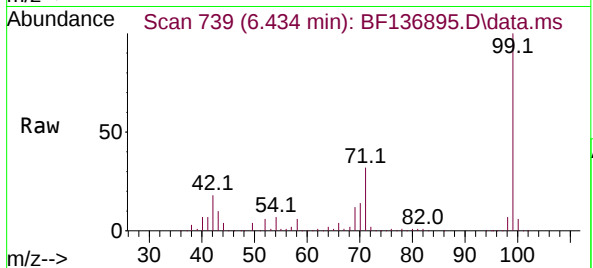
Tgt Ion:112 Resp: 394693
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 31.2 26.1 39.1



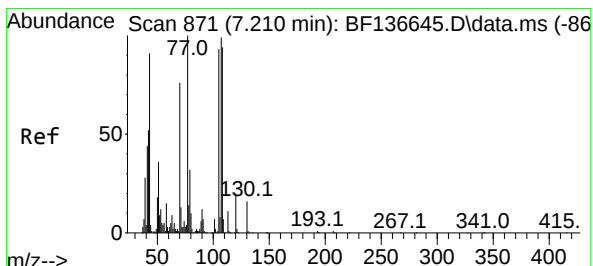
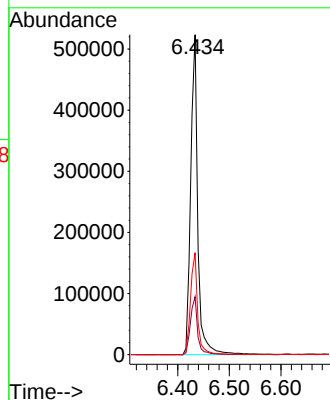
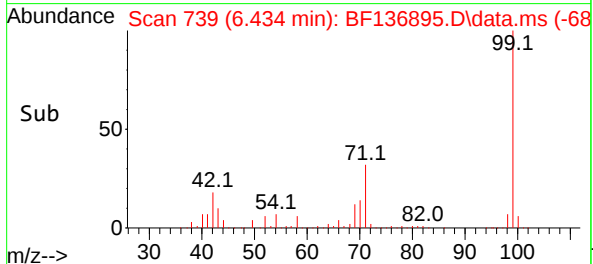


#7
Phenol-d6
Concen: 78.079 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

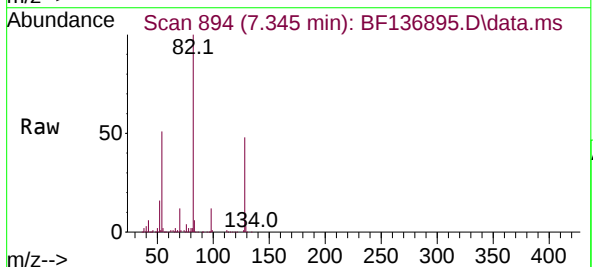
Instrument :
BNA_F
ClientSampleId :



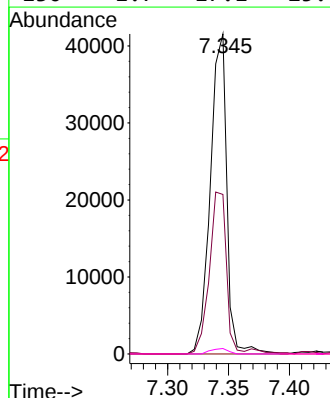
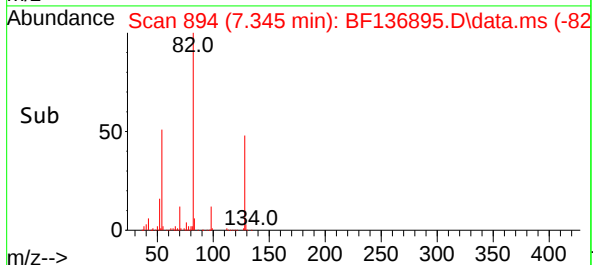
Tgt Ion: 99 Resp: 498094
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 31.9 27.4 41.2

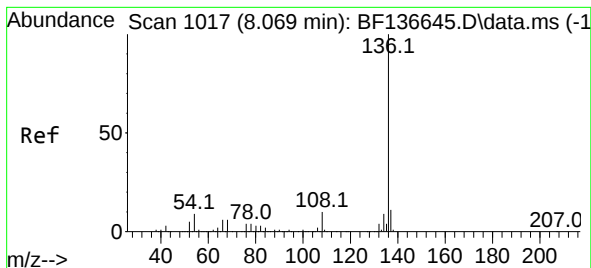


#19
n-Nitroso-di-n-propylamine
Concen: 10.116 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44



Tgt Ion: 70 Resp: 39121
Ion Ratio Lower Upper
70 100
42 49.9 54.2 81.4#
101 0.0 7.6 11.4#
130 1.7 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

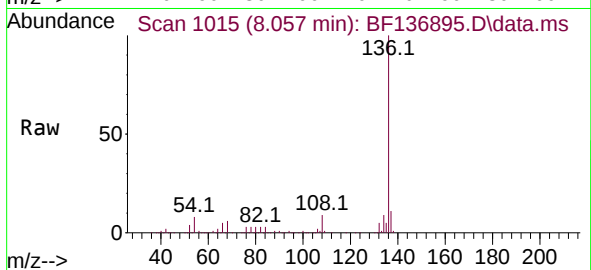
Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 276536

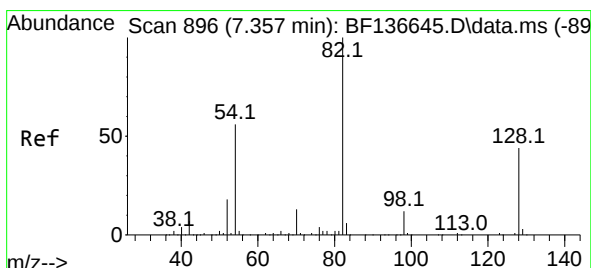
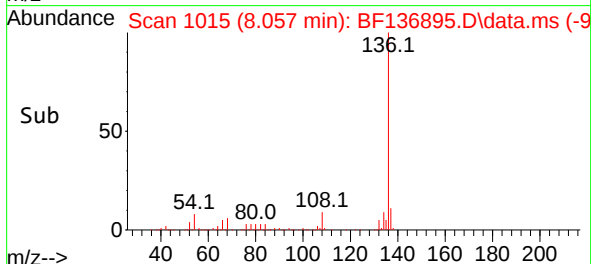
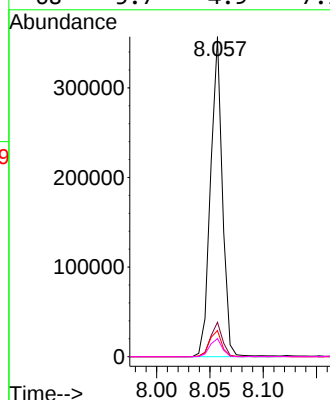
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.2 7.2 10.8

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 56.260 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

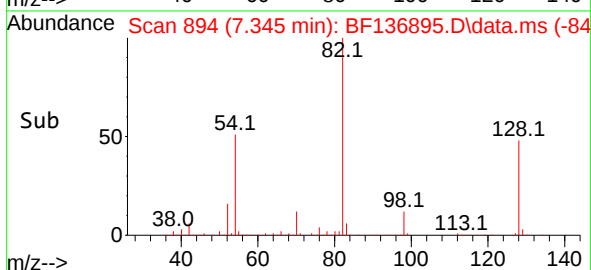
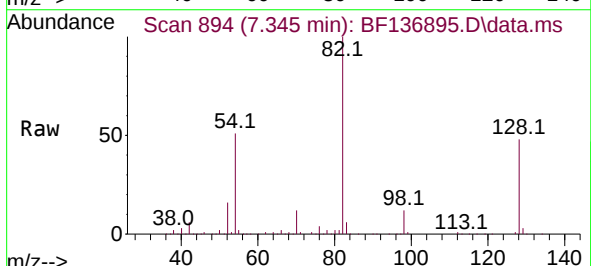
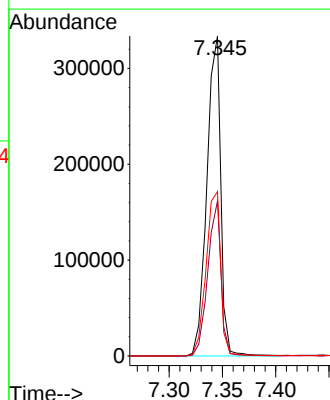
Tgt Ion: 82 Resp: 304038

Ion Ratio Lower Upper

82 100

128 48.5 35.3 52.9

54 51.3 44.5 66.7

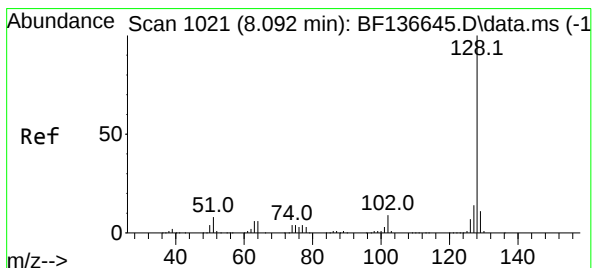
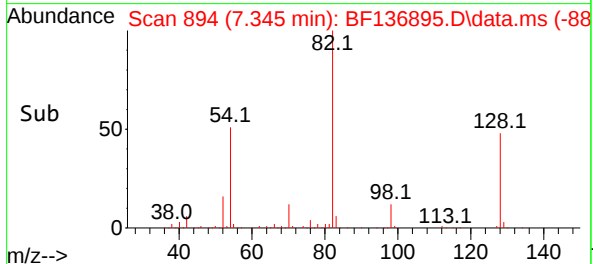
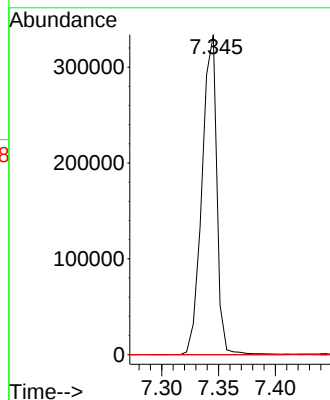
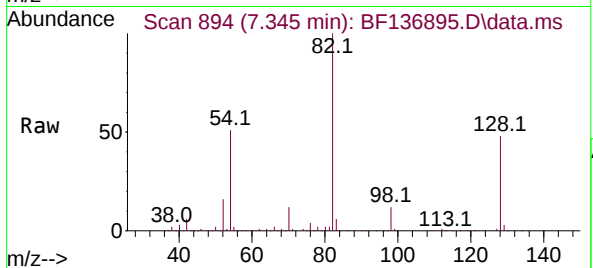




#25
Isophorone
Concen: 30.918 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

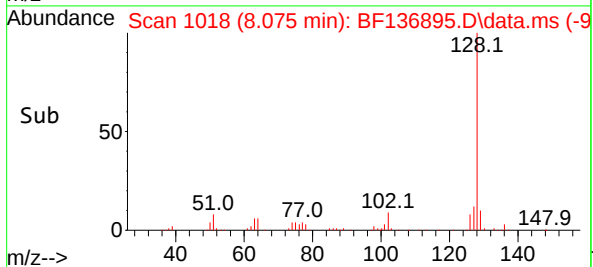
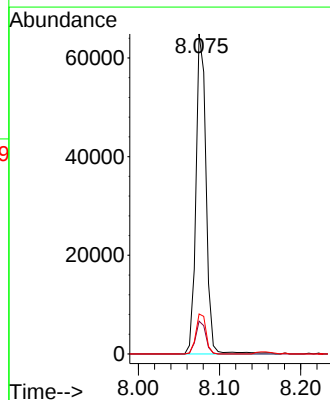
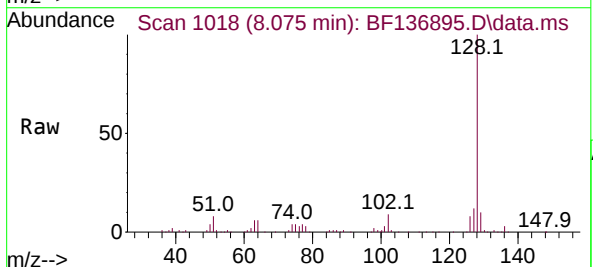
Instrument :
BNA_F
ClientSampleId :

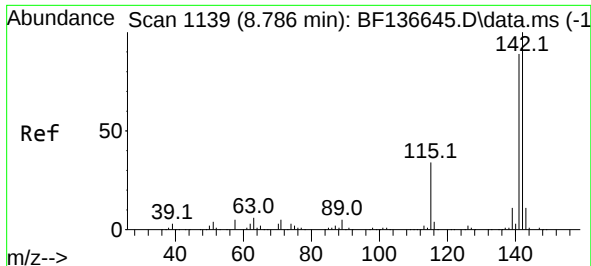
Tgt Ion: 82 Resp: 304034
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 3.728 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion: 128 Resp: 56631
Ion Ratio Lower Upper
128 100
129 10.3 8.7 13.1
127 12.5 10.8 16.2





#37

2-Methylnaphthalene

Concen: 3.828 ng

RT: 8.769 min Scan# 1139

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

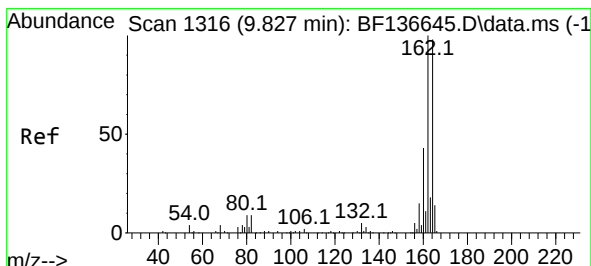
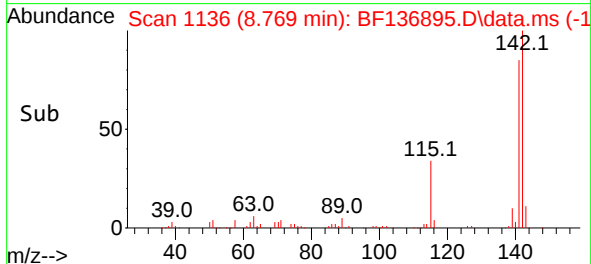
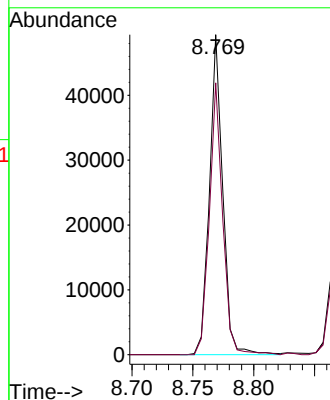
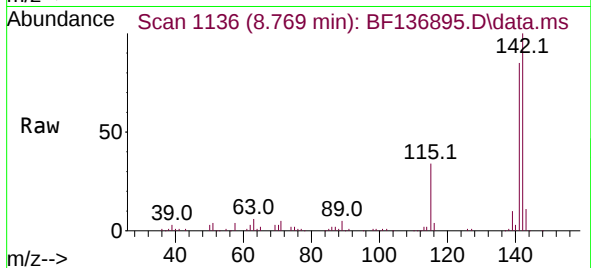
ClientSampleId :

Tgt Ion:142 Resp: 37429

Ion Ratio Lower Upper

142 100

141 84.9 71.1 106.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

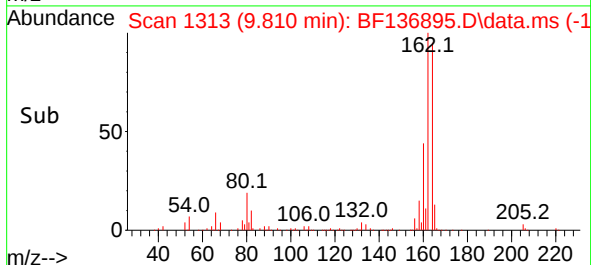
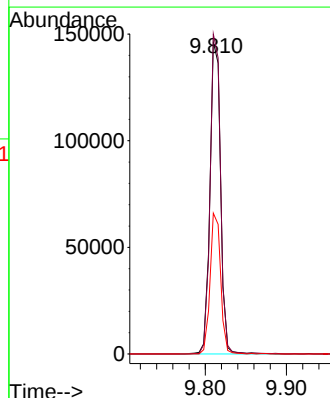
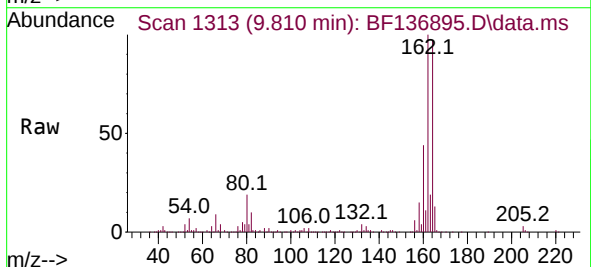
Tgt Ion:164 Resp: 132257

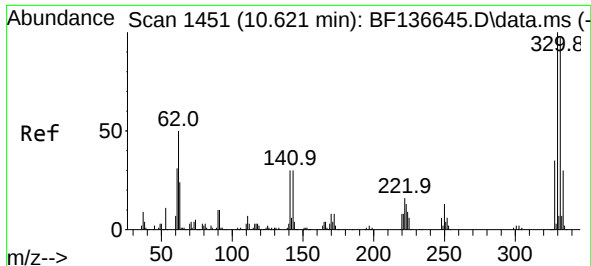
Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

160 45.1 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 71.222 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

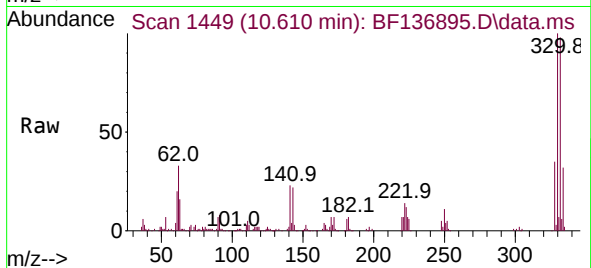
Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :



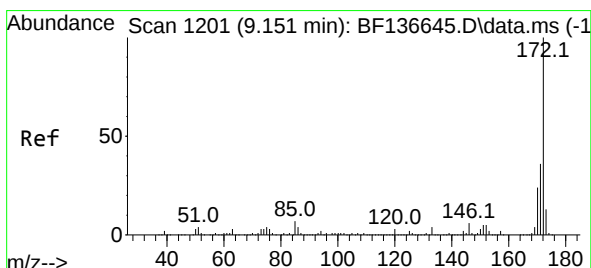
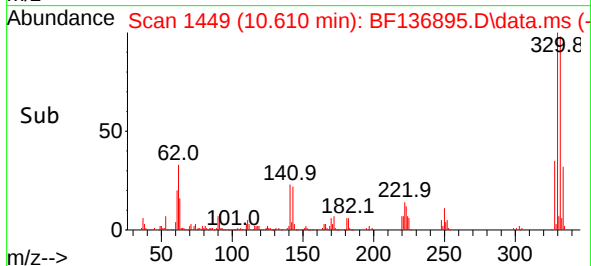
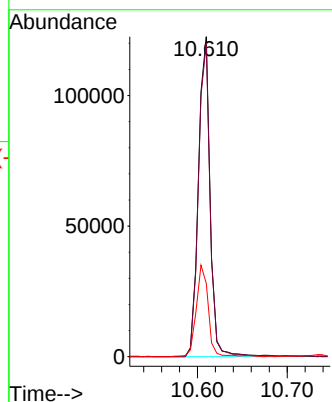
Tgt Ion:330 Resp: 110937

Ion Ratio Lower Upper

330 100

332 97.9 77.4 116.0

141 29.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 59.421 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

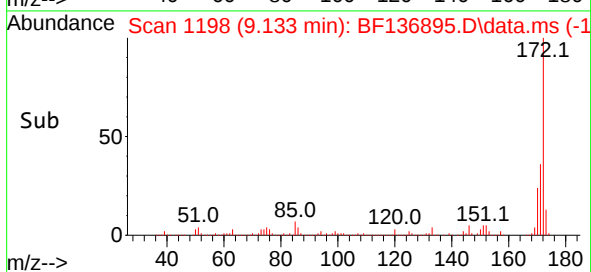
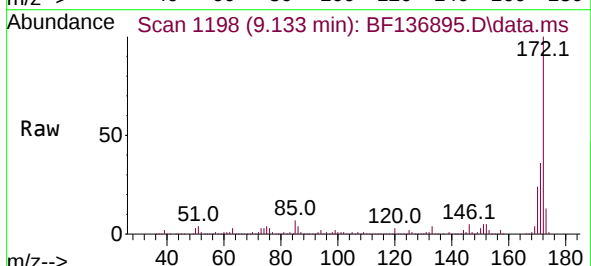
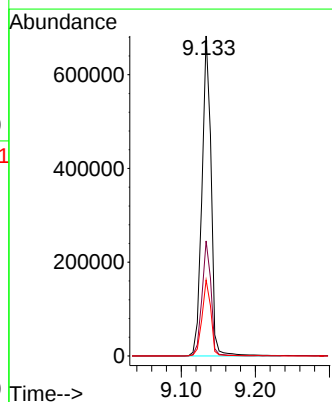
Tgt Ion:172 Resp: 584305

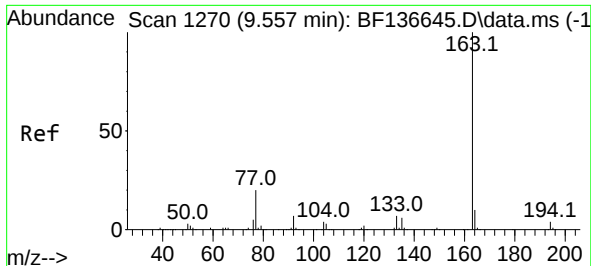
Ion Ratio Lower Upper

172 100

171 36.0 29.0 43.6

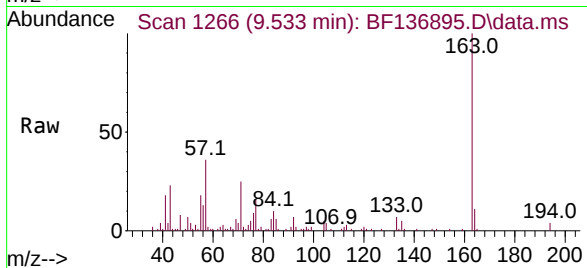
170 23.8 19.0 28.4



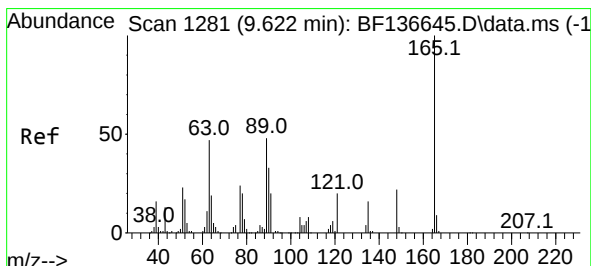
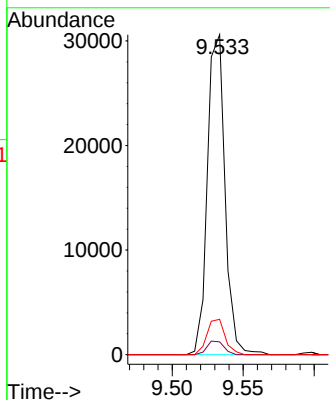
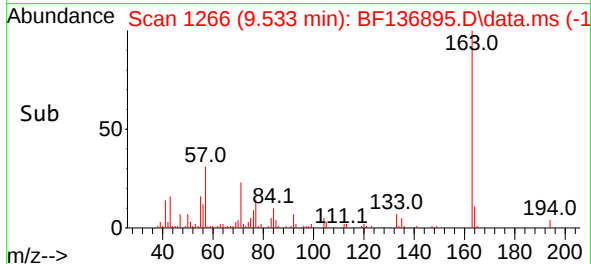


#50
Dimethylphthalate
Concen: 2.740 ng
RT: 9.533 min Scan# 1313
Delta R.T. -0.023 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

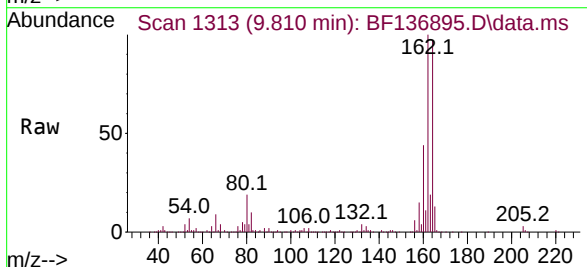
Instrument :
BNA_F
ClientSampleId :



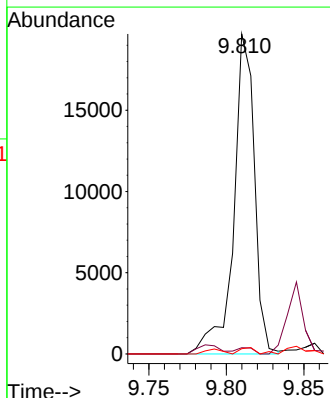
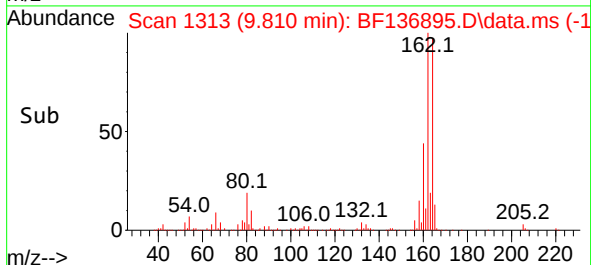
Tgt Ion:163 Resp: 26467
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 11.0 7.8 11.6

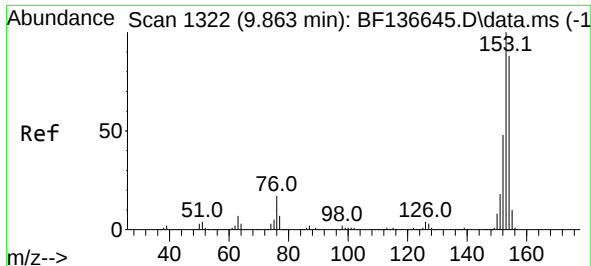


#51
2,6-Dinitrotoluene
Concen: 8.322 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.188 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44



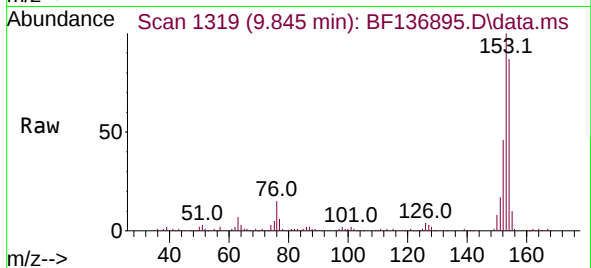
Tgt Ion:165 Resp: 18245
Ion Ratio Lower Upper
165 100
63 2.0 39.8 59.6#
89 1.6 38.8 58.2#



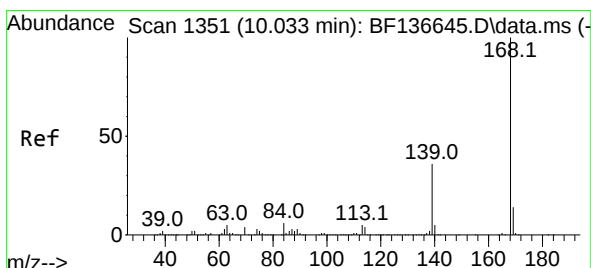
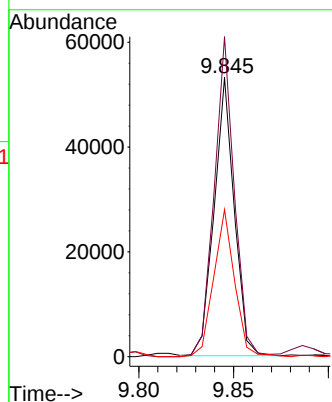
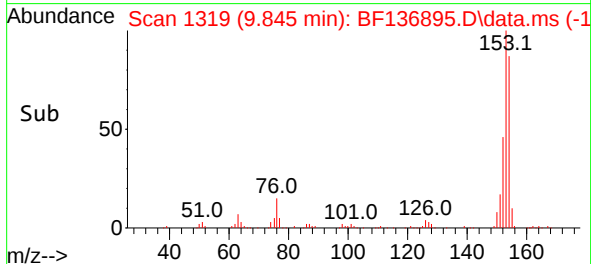


#52
Acenaphthene
Concen: 4.920 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

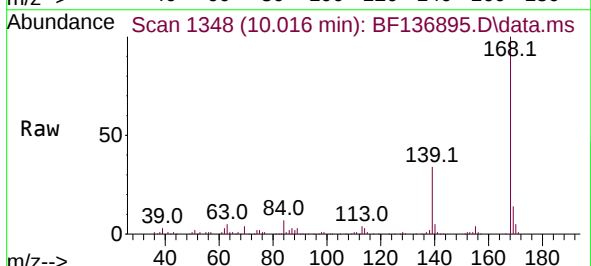
Instrument :
BNA_F
ClientSampleId :



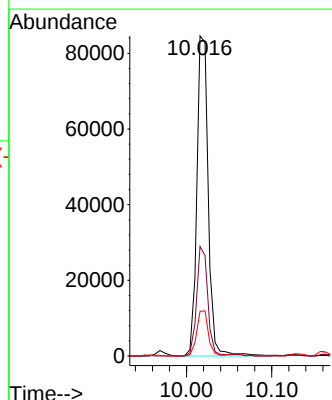
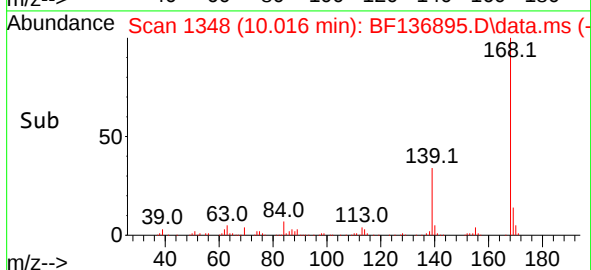
Tgt Ion:154 Resp: 39331
Ion Ratio Lower Upper
154 100
153 114.6 90.7 136.1
152 52.7 43.7 65.5

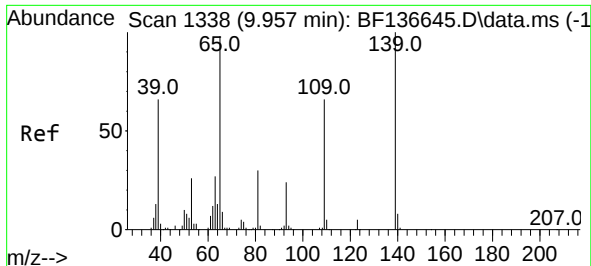


#55
Dibenzofuran
Concen: 6.483 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44



Tgt Ion:168 Resp: 78561
Ion Ratio Lower Upper
168 100
139 34.2 29.3 43.9
169 14.0 11.0 16.4

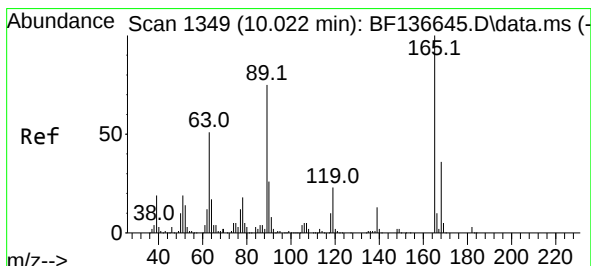
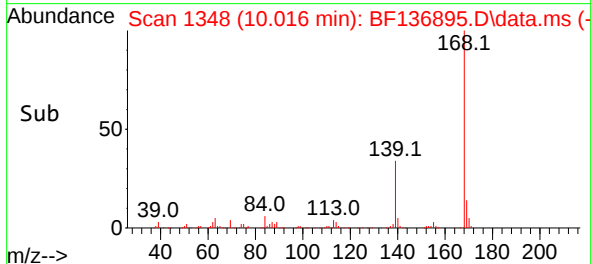
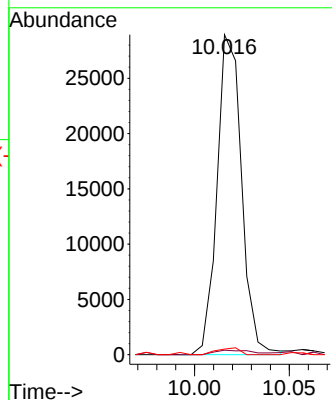
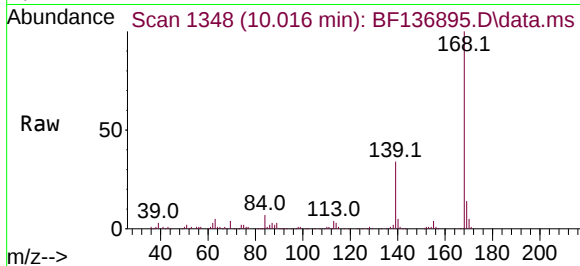




#56
4-Nitrophenol
Concen: 16.621 ng
RT: 10.016 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

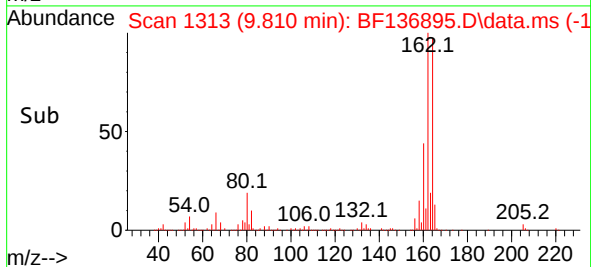
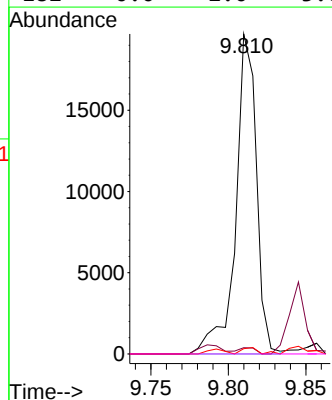
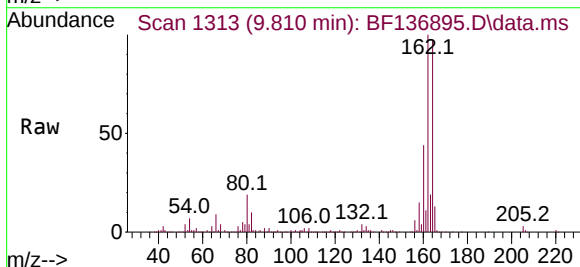
Instrument :
BNA_F
ClientSampleId :

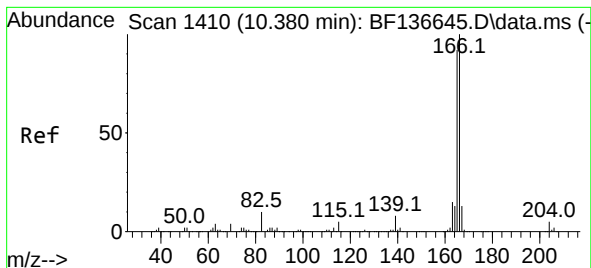
Tgt Ion:139 Resp: 26059
Ion Ratio Lower Upper
139 100
109 1.4 45.8 85.8#
65 1.8 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 6.410 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.212 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion:165 Resp: 18245
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.6#
89 1.6 59.9 89.9#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 11.517 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

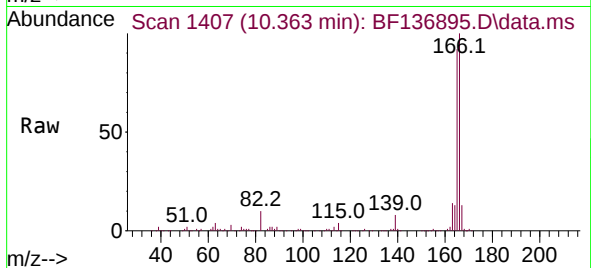
Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :



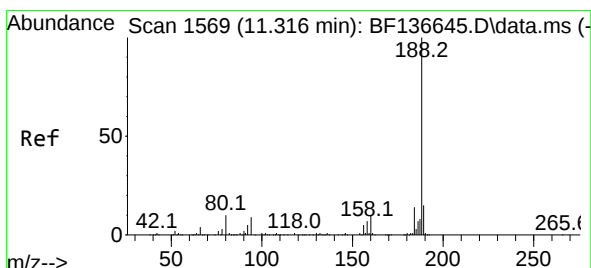
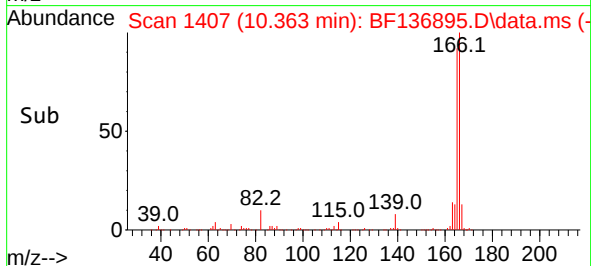
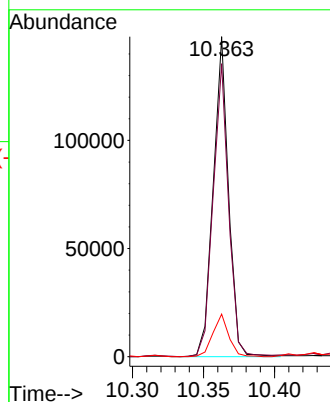
Tgt Ion:166 Resp: 110740

Ion Ratio Lower Upper

166 100

165 91.6 73.7 110.5

167 13.3 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

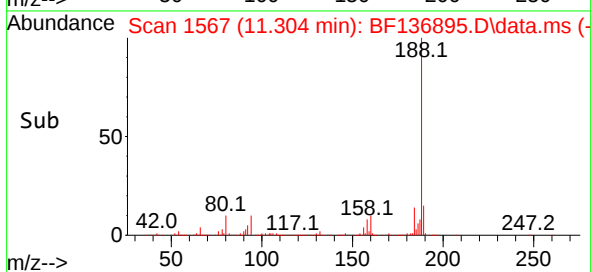
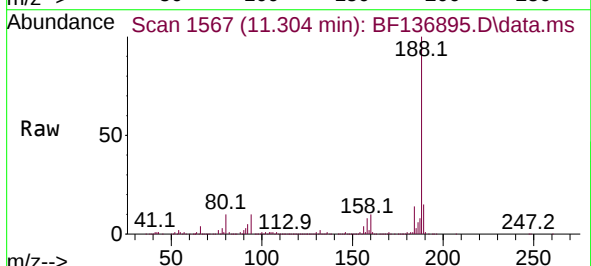
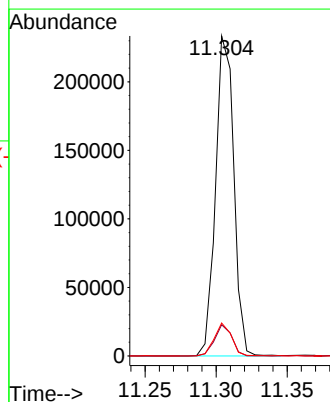
Tgt Ion:188 Resp: 207831

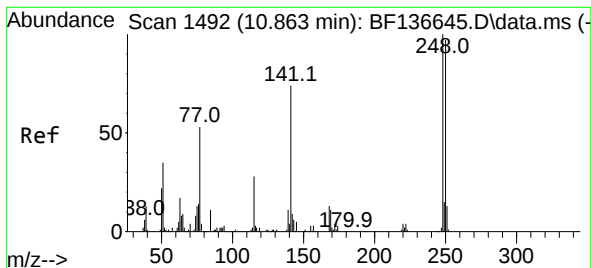
Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 10.3 8.1 12.1

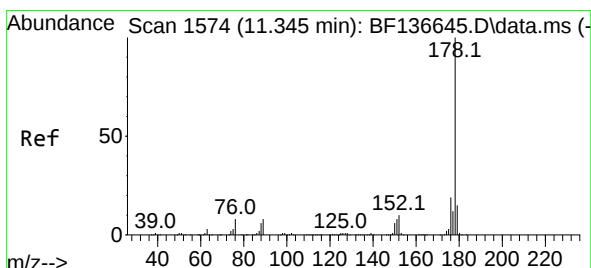
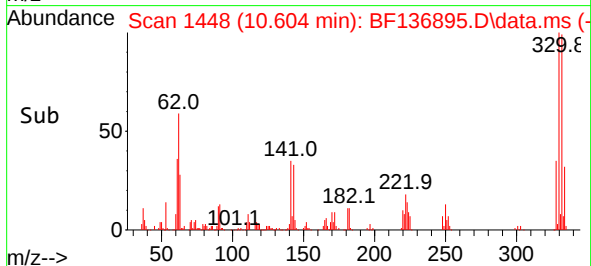
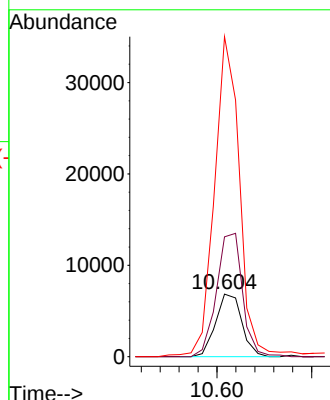
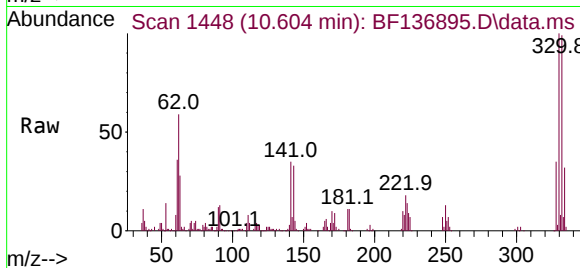




#67
4-Bromophenyl-phenylether
Concen: 2.857 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

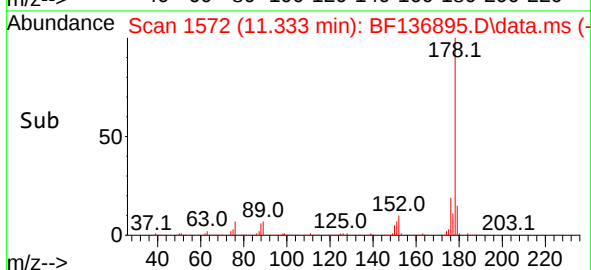
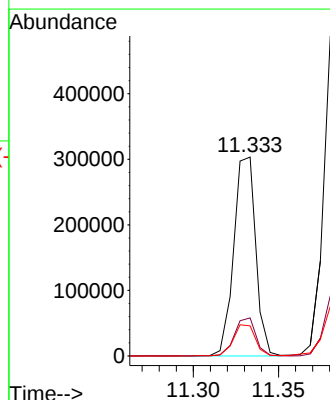
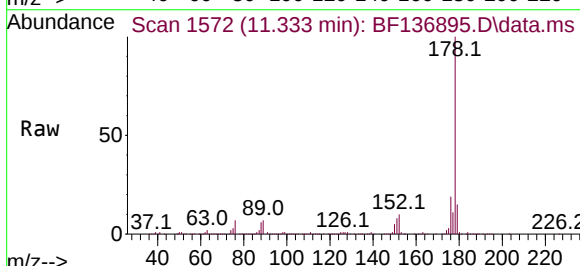
Instrument :
BNA_F
ClientSampleId :

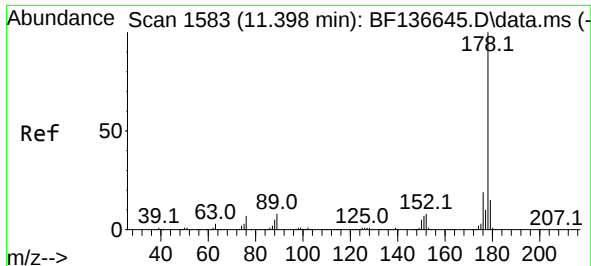
Tgt Ion:248 Resp: 6594
Ion Ratio Lower Upper
248 100
250 191.5 77.8 116.6#
141 510.9 59.2 88.8#



#71
Phenanthrene
Concen: 25.614 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

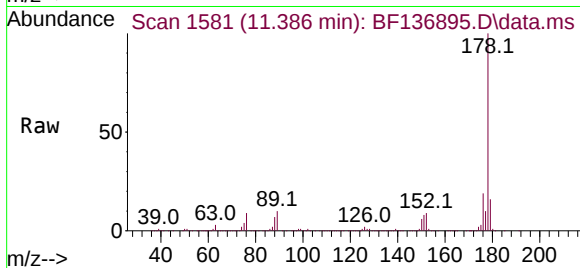
Tgt Ion:178 Resp: 273150
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.2 11.9 17.9



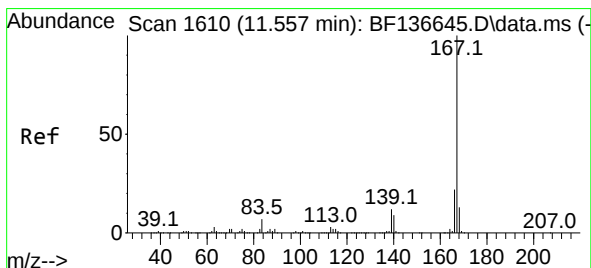
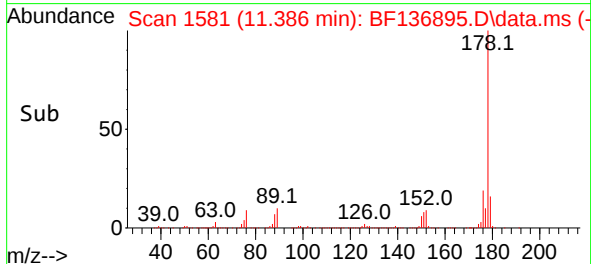
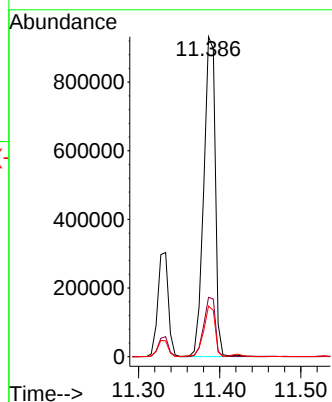


#72
Anthracene
Concen: 84.853 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Instrument :
BNA_F
ClientSampleId :

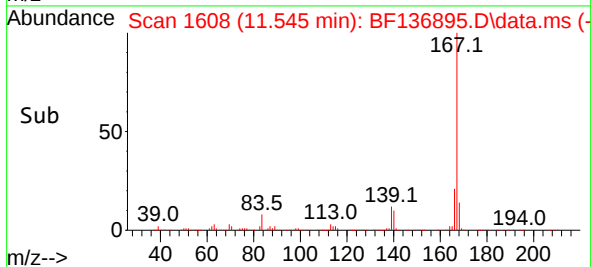
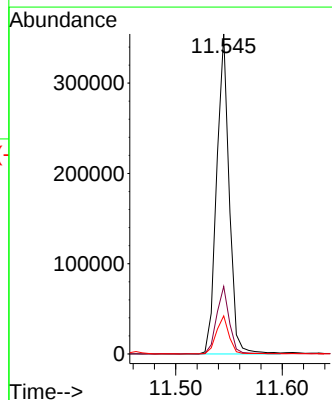
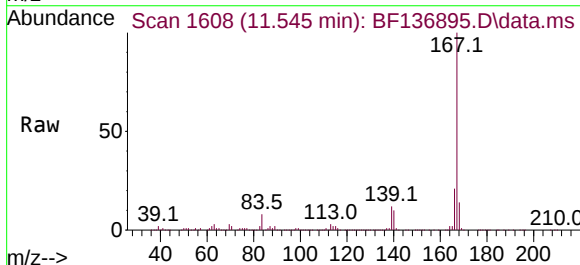


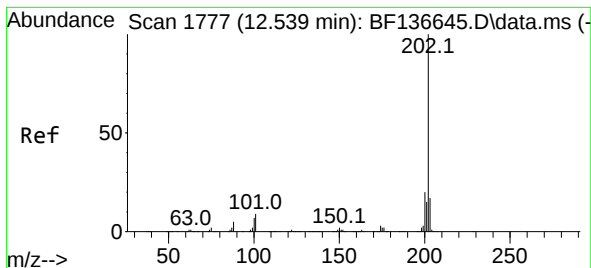
Tgt Ion:178 Resp: 916394
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.8 11.8 17.6



#73
Carbazole
Concen: 28.479 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.012 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion:167 Resp: 289973
Ion Ratio Lower Upper
167 100
166 21.1 17.3 25.9
139 11.9 9.8 14.6





#75

Fluoranthene

Concen: 11.642 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

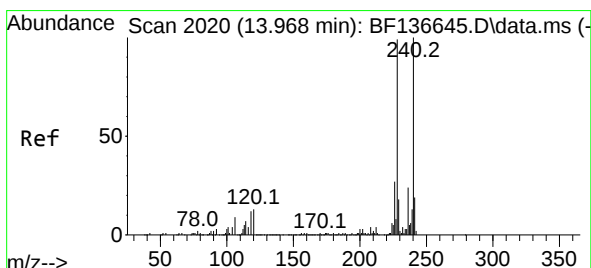
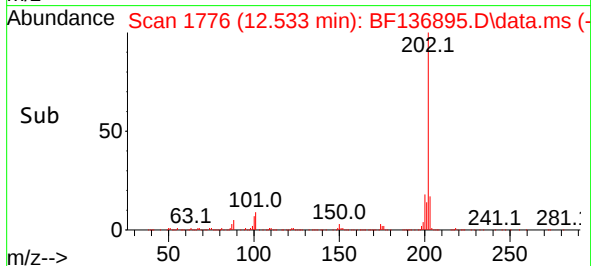
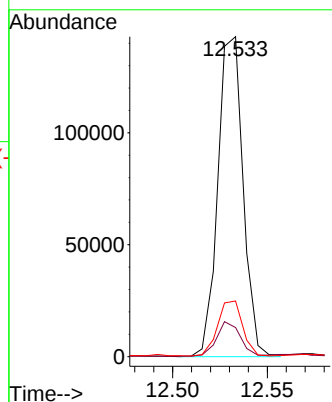
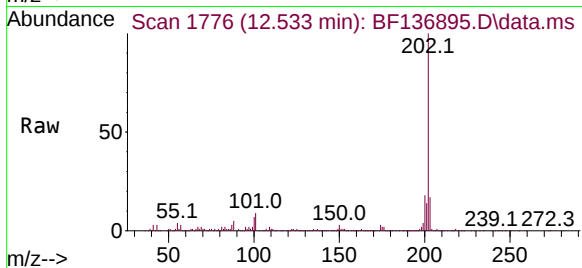
Tgt Ion:202 Resp: 132798

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.3

203 17.4 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: BF136895.D

Acq: 03 Jan 2024 03:44

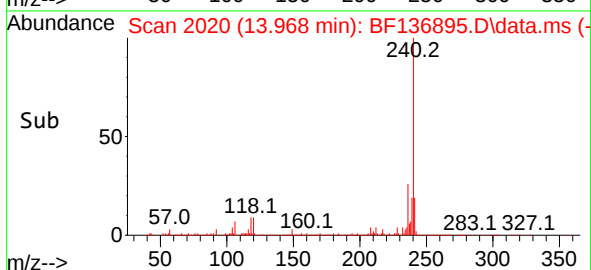
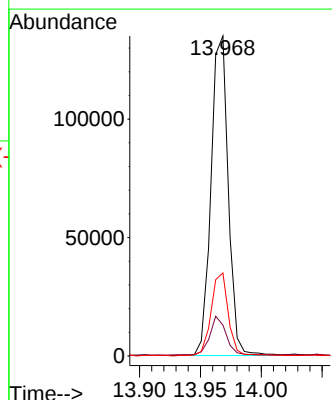
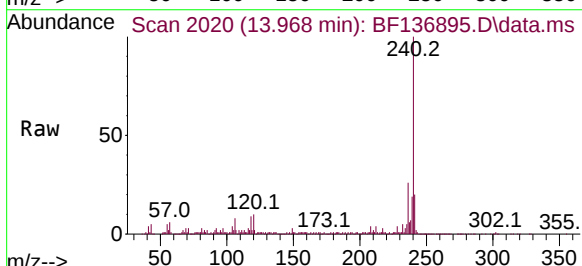
Tgt Ion:240 Resp: 132717

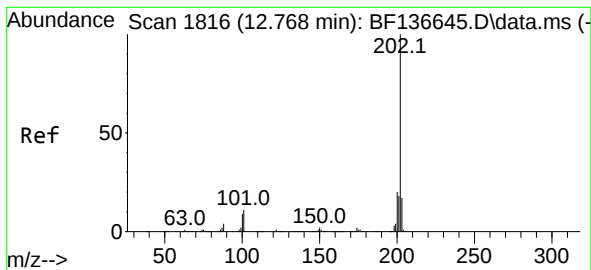
Ion Ratio Lower Upper

240 100

120 9.7 10.3 15.5#

236 25.9 19.4 29.2





#78

Pyrene

Concen: 6.079 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136895.D

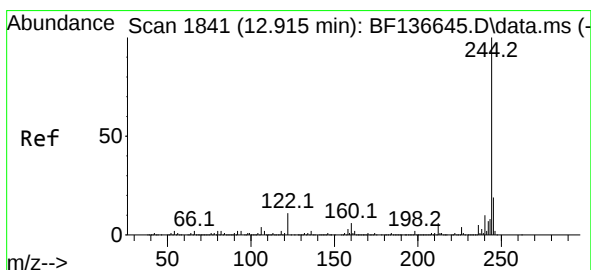
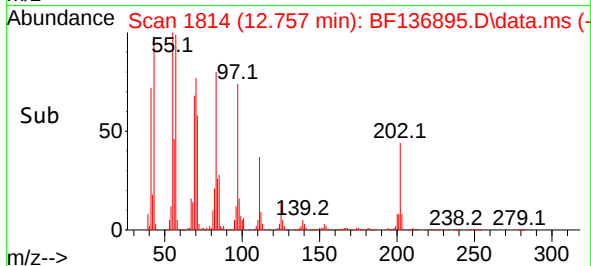
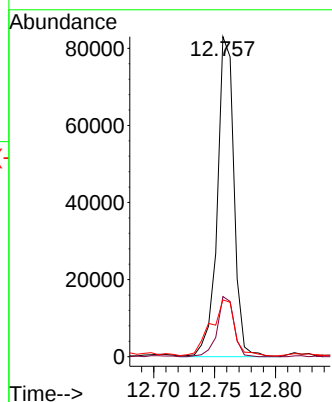
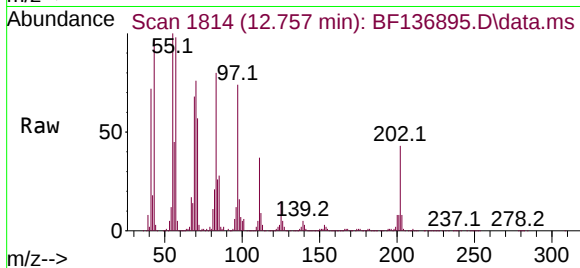
Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	79201
Ion Ratio	Lower	Upper	
202	100		
200	18.8	15.9	23.9
203	17.8	13.8	20.6



#79

Terphenyl-d14

Concen: 47.372 ng

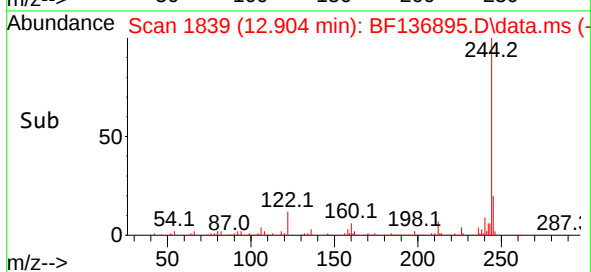
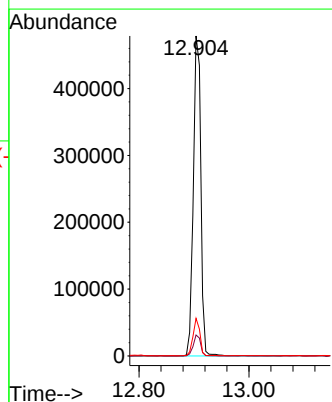
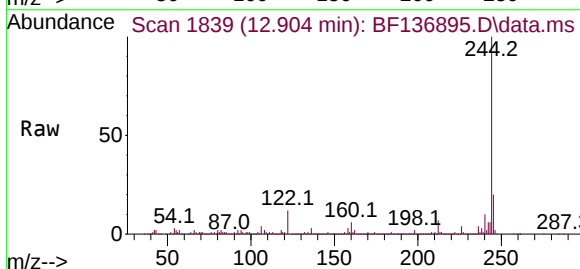
RT: 12.904 min Scan# 1839

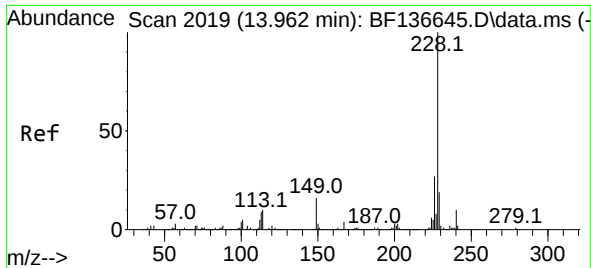
Delta R.T. -0.012 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

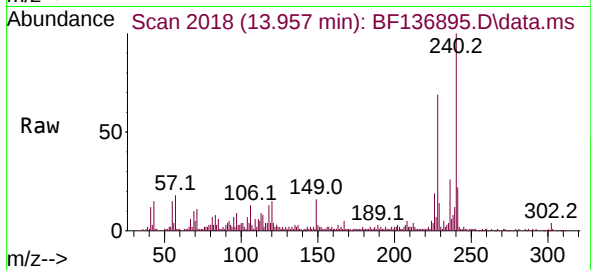
Tgt Ion:	244	Resp:	449894
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.0	7.4
122	11.8	9.0	13.4



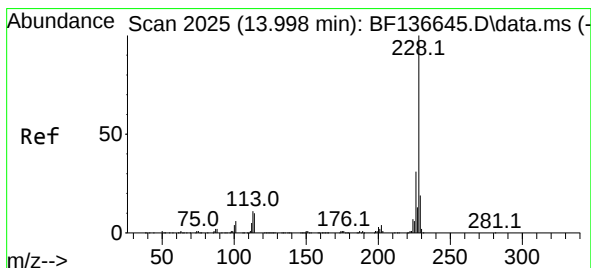
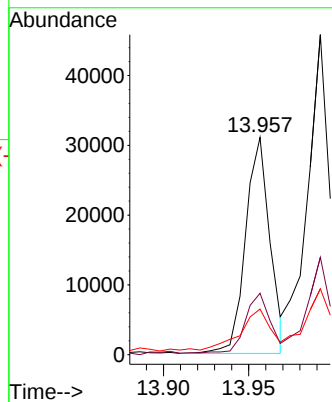
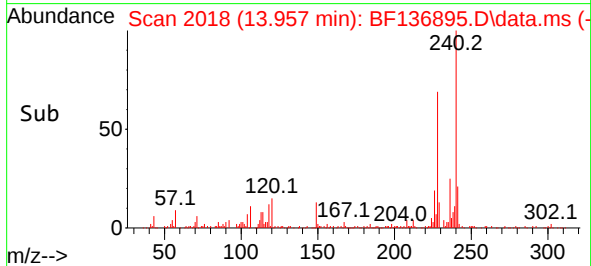


#81
Benzo(a)anthracene
Concen: 3.338 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

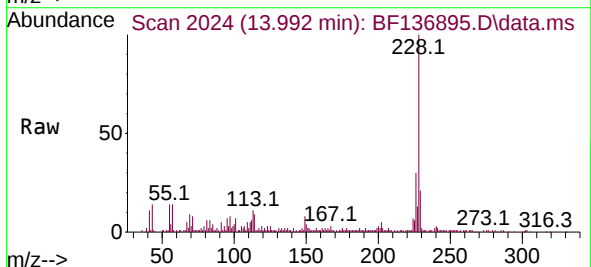
Instrument :
BNA_F
ClientSampleId :



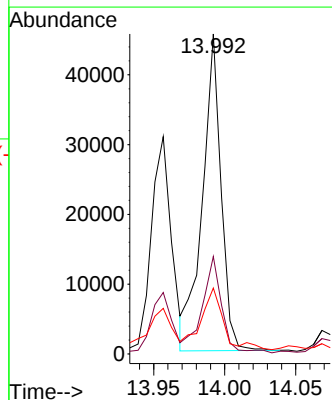
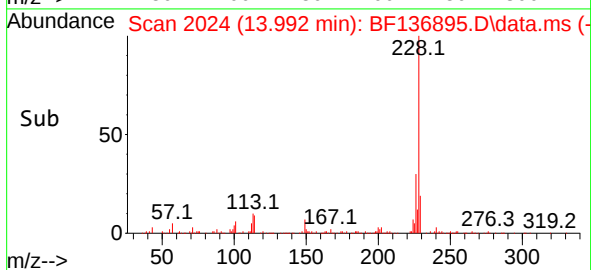
Tgt Ion:228 Resp: 30765
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 21.0 14.9 22.3

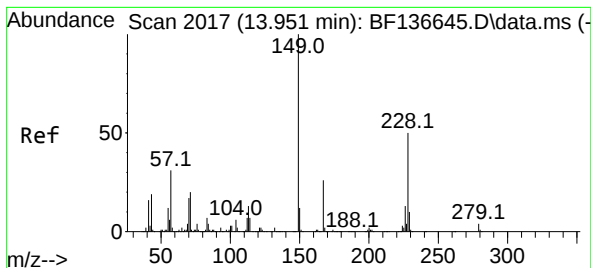


#83
Chrysene
Concen: 4.613 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44



Tgt Ion:228 Resp: 41574
Ion Ratio Lower Upper
228 100
226 30.5 24.7 37.1
229 20.6 15.4 23.0

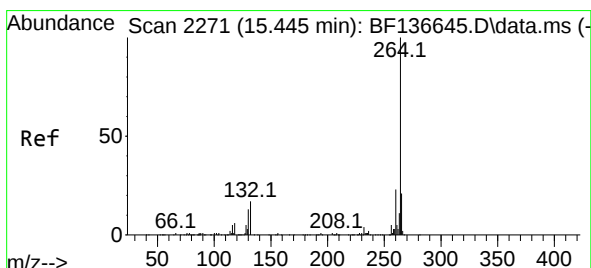
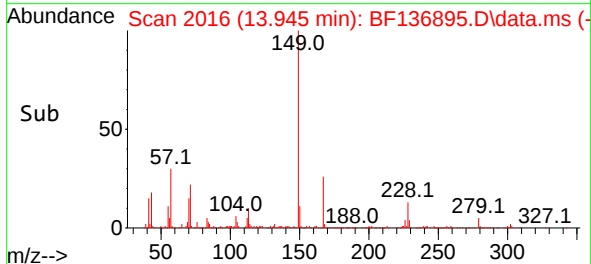
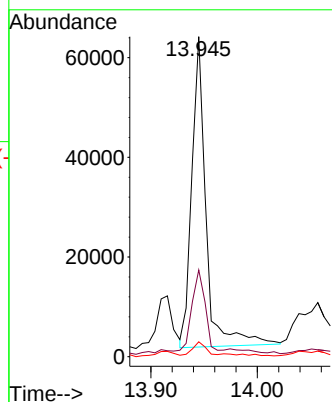
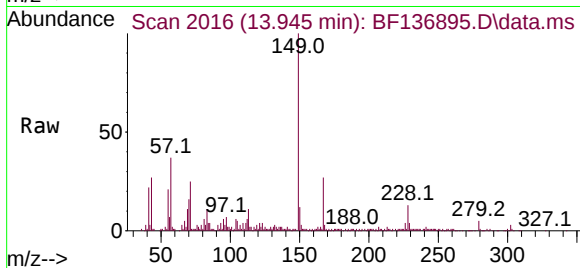




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.693 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

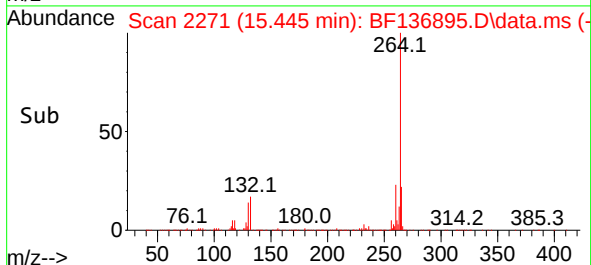
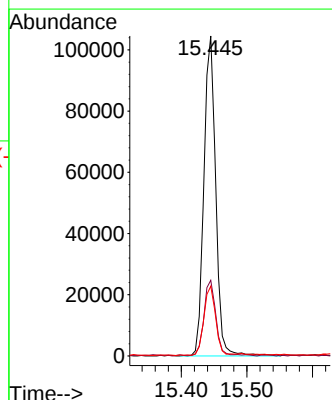
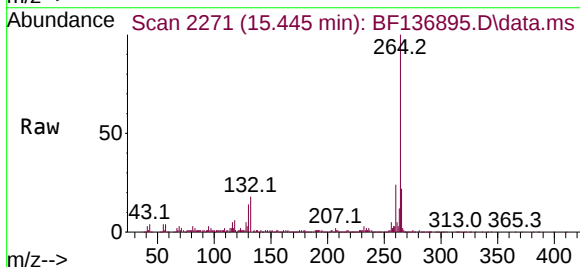
Instrument :
BNA_F
ClientSampleId :

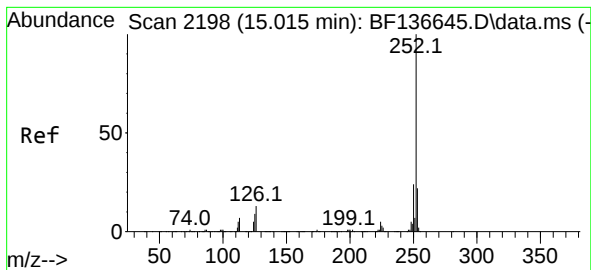
Tgt Ion:149 Resp: 57814
Ion Ratio Lower Upper
149 100
167 27.1 20.9 31.3
279 4.7 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136895.D
Acq: 03 Jan 2024 03:44

Tgt Ion:264 Resp: 131609
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 21.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.450 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Instrument :

BNA_F

ClientSampleId :

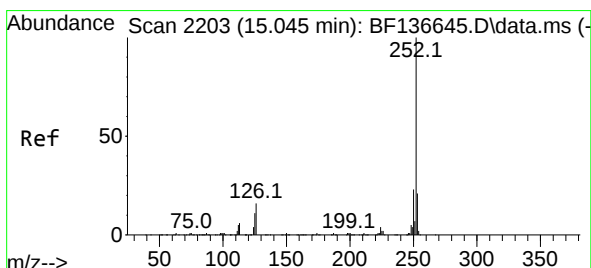
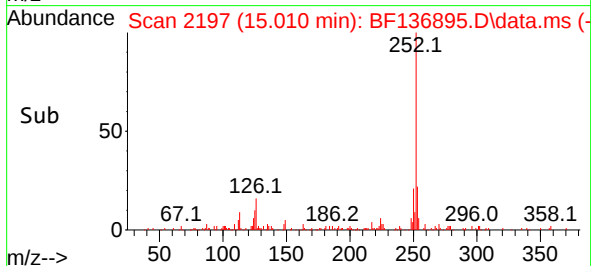
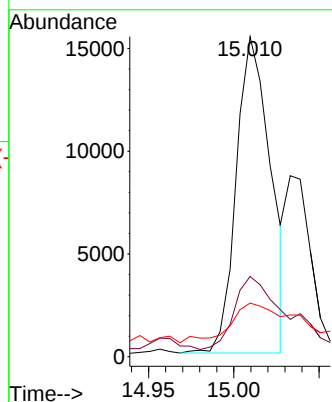
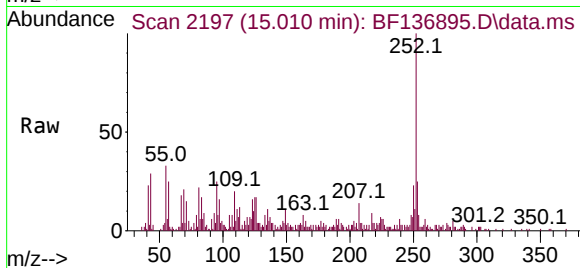
Tgt Ion:252 Resp: 21533

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

125 16.8 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.592 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136895.D

Acq: 03 Jan 2024 03:44

Tgt Ion:252 Resp: 21533

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

125 16.8 8.2 12.4#

