

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137060.D
 Acq On : 15 Jan 2024 12:30
 Operator : CG\JU
 Sample : P1107-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL

Quant Time: Jan 15 12:55:13 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)

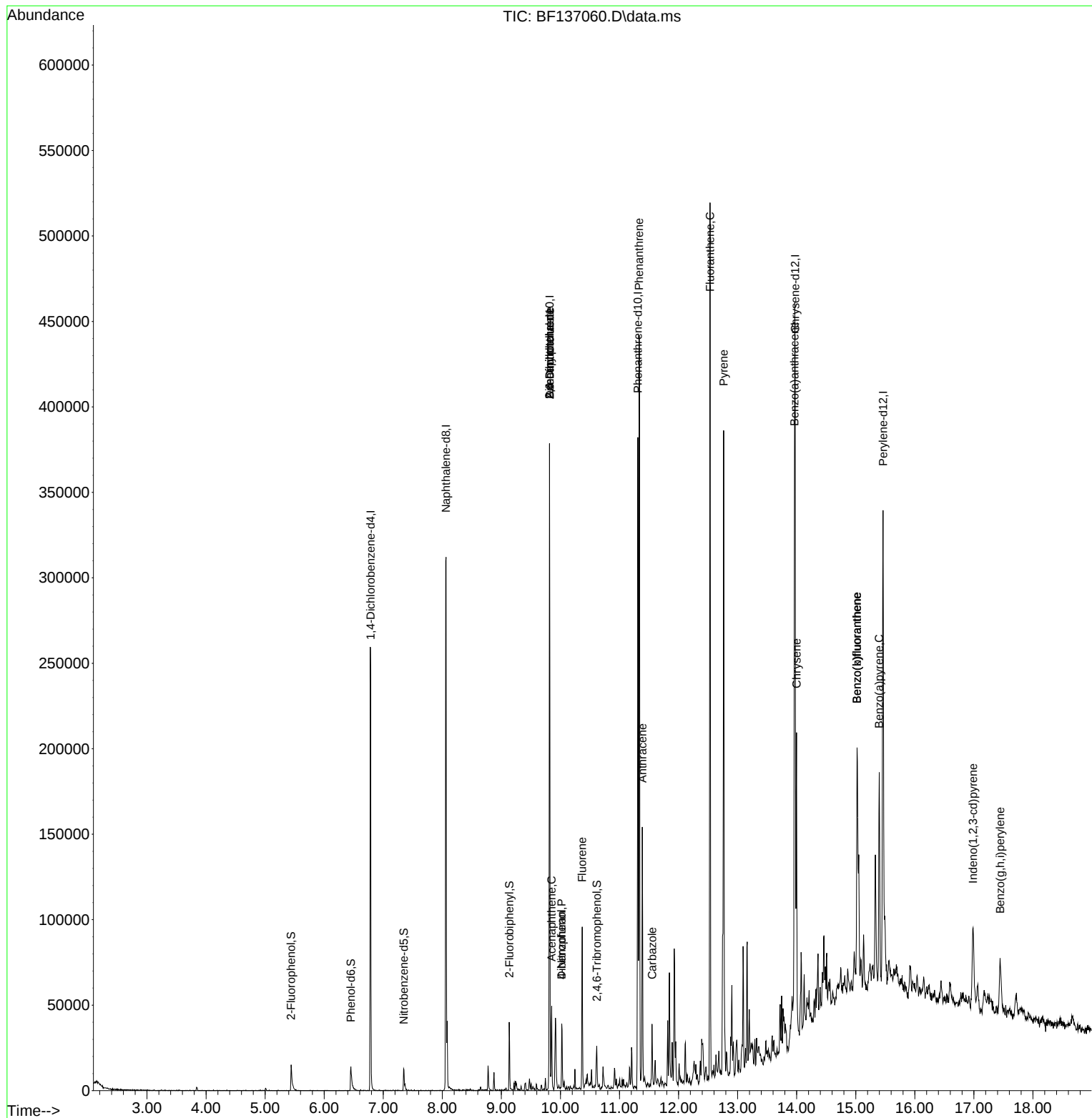
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	41705	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	150670	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	70472	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	134853	20.000	ng	0.00
76) Chrysene-d12	13.974	240	120516	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	129954	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	8313	3.110	ng	0.01
7) Phenol-d6	6.451	99	10242	2.957	ng	0.01
23) Nitrobenzene-d5	7.345	82	5894	2.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	2921	3.519	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	13424	2.562	ng	-0.02
79) Terphenyl-d14	12.904	244	16415	1.903	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.816	163	13295	2.583	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	9375	8.025	ng	# 28
52) Acenaphthene	9.851	154	9620	2.258	ng	99
55) Dibenzofuran	10.022	168	16592	2.570	ng	97
56) 4-Nitrophenol	10.022	139	5868	7.024	ng	# 7
57) 2,4-Dinitrotoluene	9.816	165	9375	6.182	ng	# 19
58) Fluorene	10.369	166	25185	4.916	ng	94
71) Phenanthrene	11.333	178	165246	23.882	ng	98
72) Anthracene	11.386	178	56054	7.999	ng	97
73) Carbazole	11.551	167	14112	2.136	ng	98
75) Fluoranthene	12.533	202	189999	25.671	ng	98
78) Pyrene	12.763	202	148542	12.556	ng	99
81) Benzo(a)anthracene	13.963	228	80413	9.609	ng	99
83) Chrysene	13.998	228	67478	8.246	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	29753	3.171	ng	97
88) Benzo(b)fluoranthene	15.021	252	108022	12.445	ng	# 98
89) Benzo(k)fluoranthene	15.021	252	108022	13.171	ng	98
90) Benzo(a)pyrene	15.398	252	56088	7.655	ng	95
92) Benzo(g,h,i)perylene	17.445	276	26735	3.391	ng	92

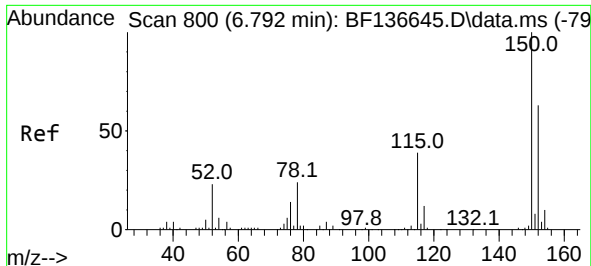
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137060.D
Acq On : 15 Jan 2024 12:30
Operator : CG\JU
Sample : P1107-01DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL

Quant Time: Jan 15 12:55:13 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

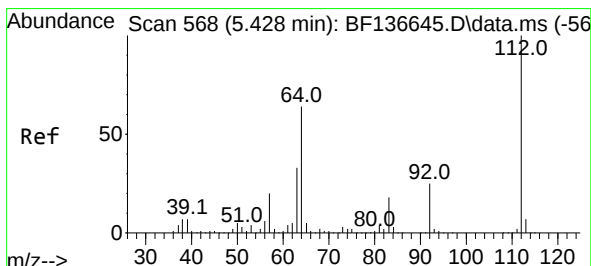
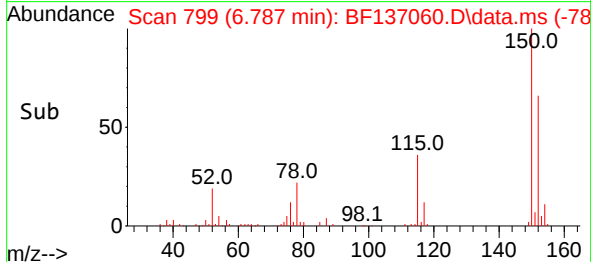
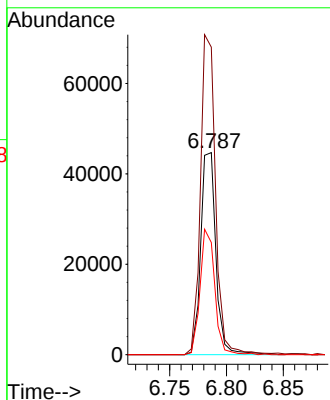
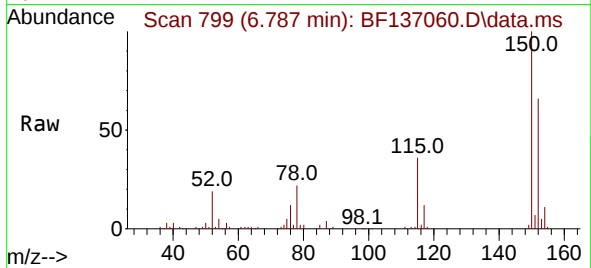




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

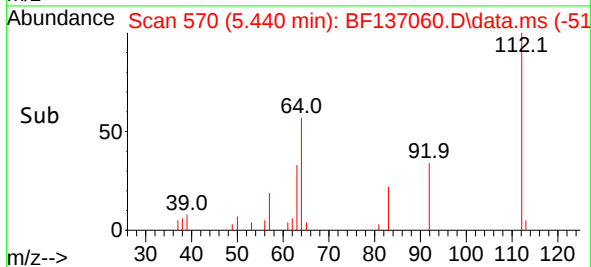
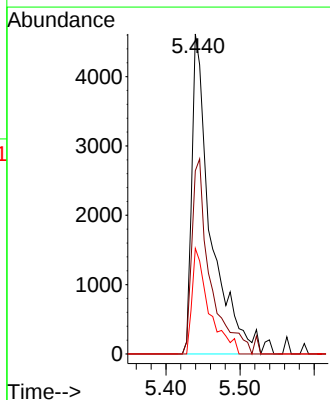
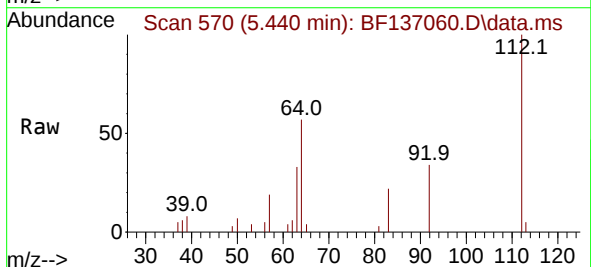
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL

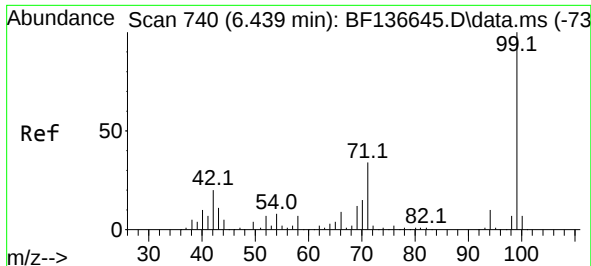
Tgt Ion:152 Resp: 41705
 Ion Ratio Lower Upper
 152 100
 150 152.2 127.0 190.6
 115 55.5 49.0 73.4



#5
 2-Fluorophenol
 Concen: 3.110 ng
 RT: 5.440 min Scan# 570
 Delta R.T. 0.012 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

Tgt Ion:112 Resp: 8313
 Ion Ratio Lower Upper
 112 100
 64 57.2 51.1 76.7
 63 33.0 26.1 39.1

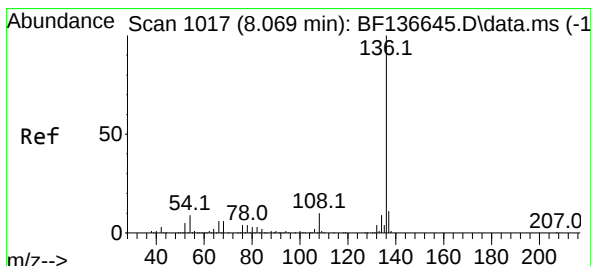
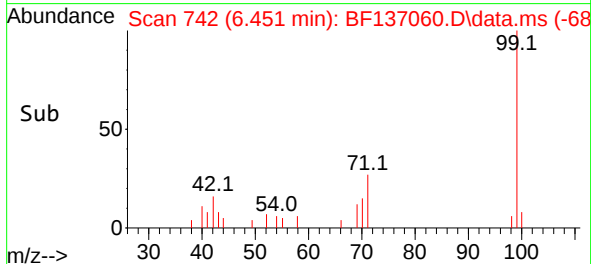
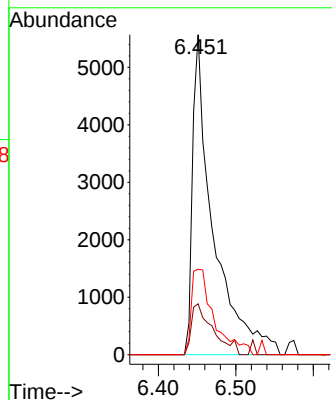
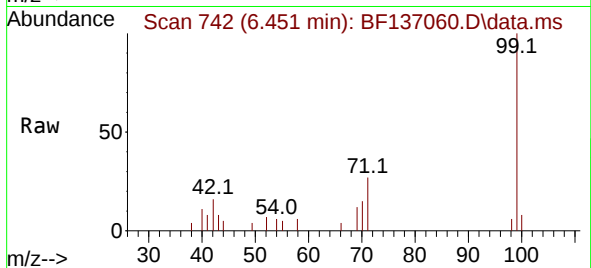




#7
Phenol-d6
Concen: 2.957 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

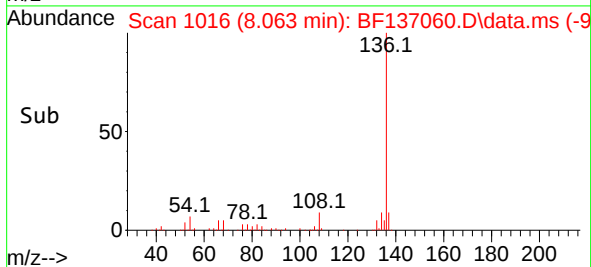
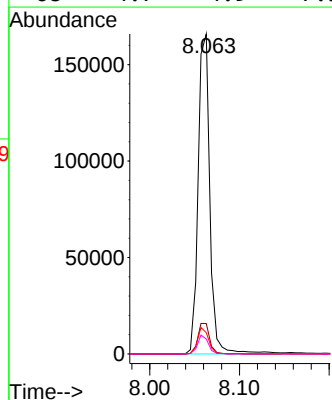
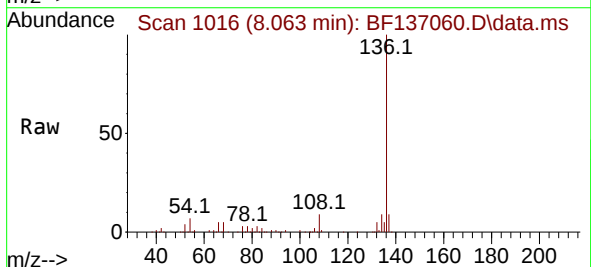
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL

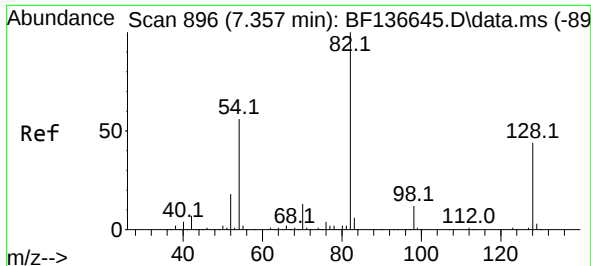
Tgt Ion: 99 Resp: 10242
Ion Ratio Lower Upper
99 100
42 15.9 16.1 24.1#
71 26.7 27.4 41.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Tgt Ion: 136 Resp: 150670
Ion Ratio Lower Upper
136 100
137 9.5 9.0 13.4
54 6.7 7.2 10.8#
68 4.7 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 2.002 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

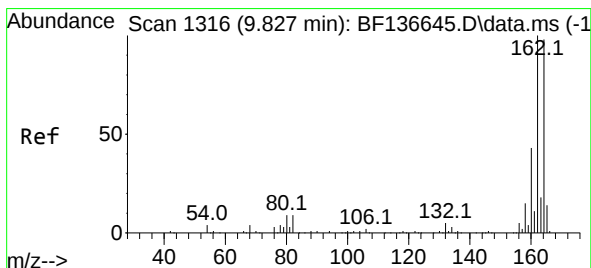
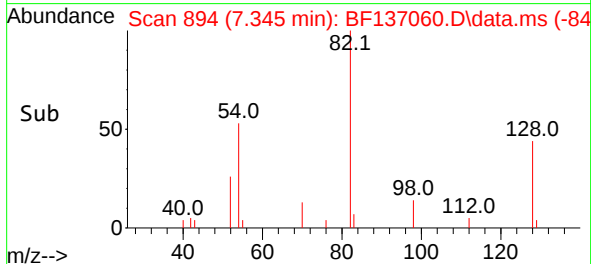
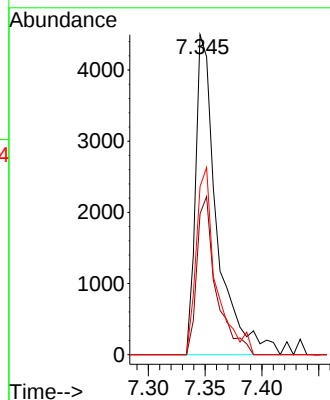
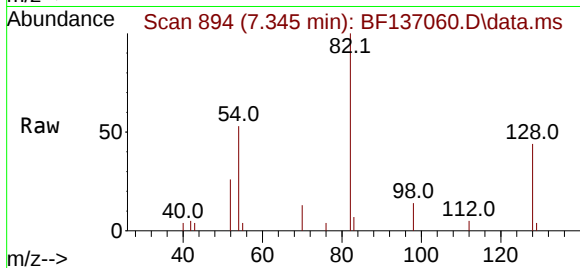
Tgt Ion: 82 Resp: 5894

Ion Ratio Lower Upper

82 100

128 44.0 35.3 52.9

54 52.5 44.5 66.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

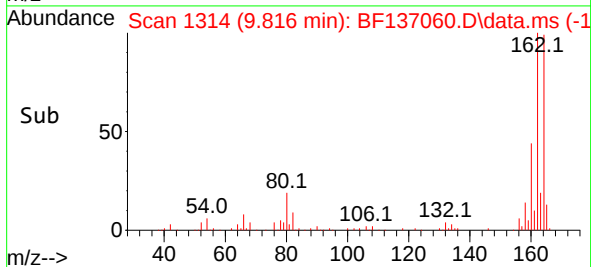
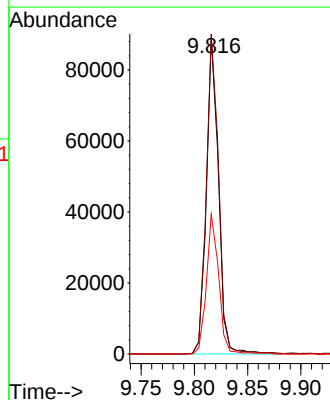
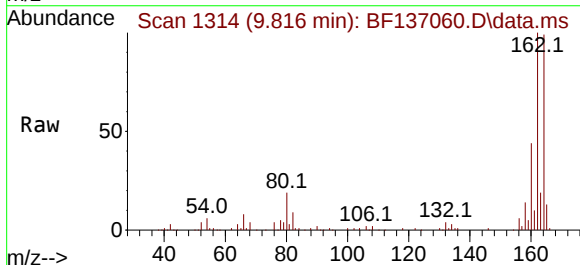
Tgt Ion:164 Resp: 70472

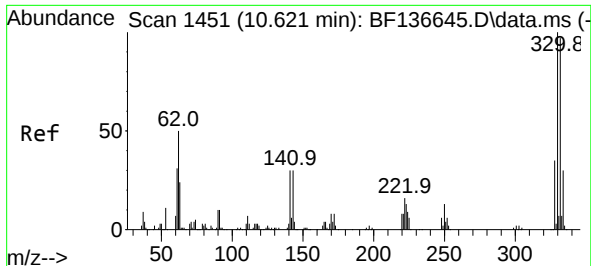
Ion Ratio Lower Upper

164 100

162 101.2 81.6 122.4

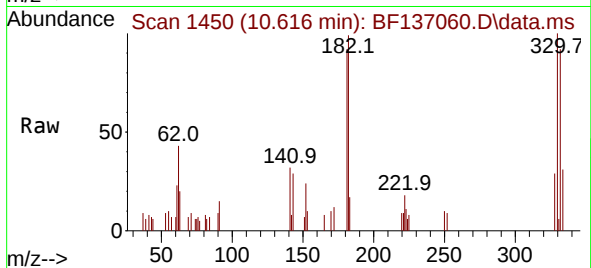
160 44.2 34.9 52.3



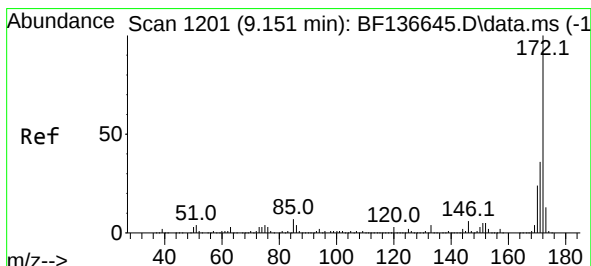
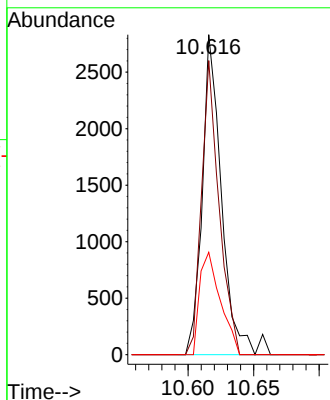
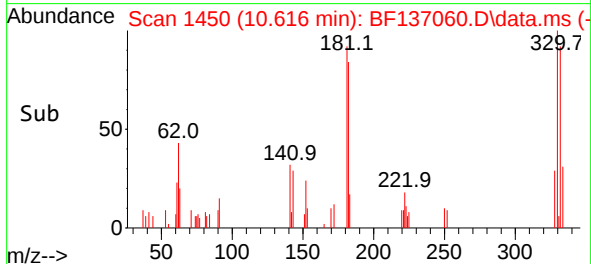


#42
2,4,6-Tribromophenol
Concen: 3.519 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

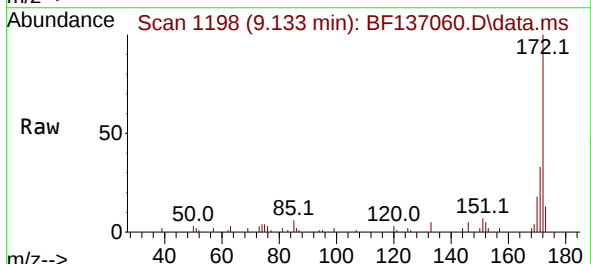
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL



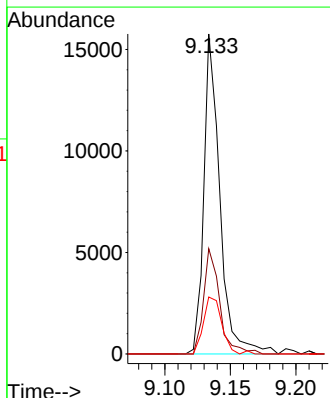
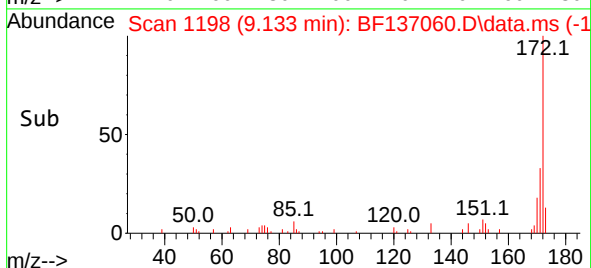
Tgt Ion:330 Resp: 2921
Ion Ratio Lower Upper
330 100
332 83.0 77.4 116.0
141 34.1 23.4 35.2

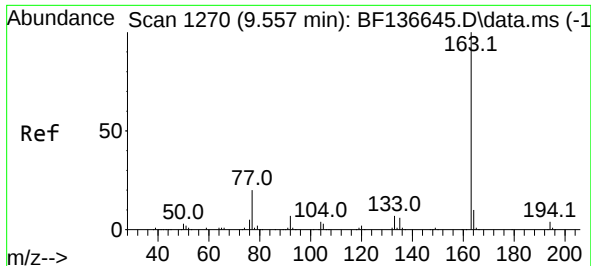


#45
2-Fluorobiphenyl
Concen: 2.562 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30



Tgt Ion:172 Resp: 13424
Ion Ratio Lower Upper
172 100
171 32.9 29.0 43.6
170 17.8 19.0 28.4

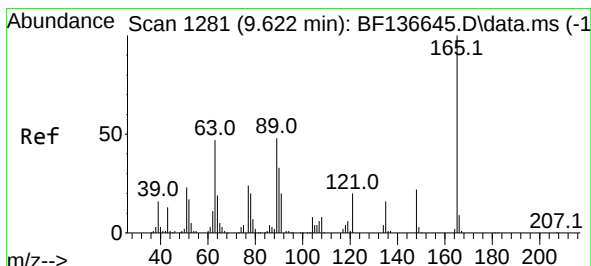
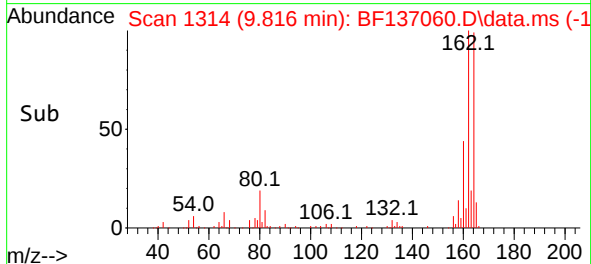
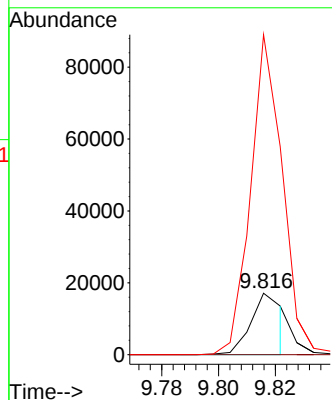
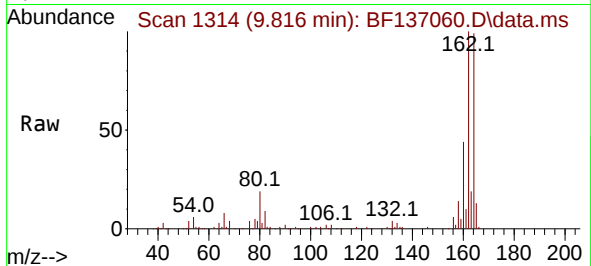




#50
Dimethylphthalate
Concen: 2.583 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

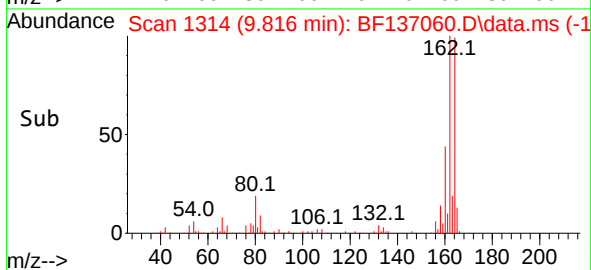
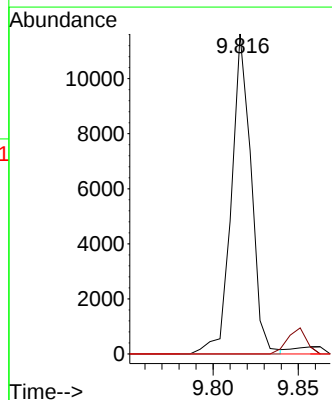
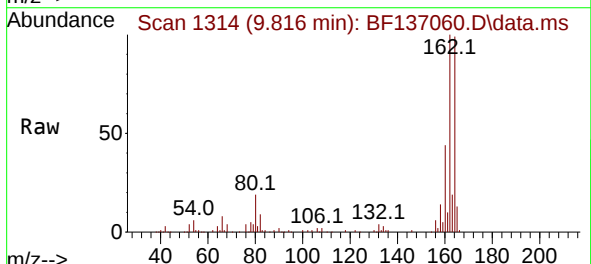
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL

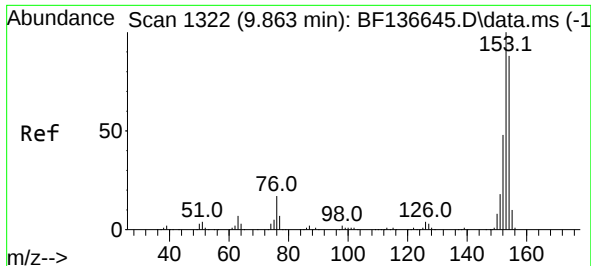
Tgt Ion:163 Resp: 13295
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 520.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.025 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

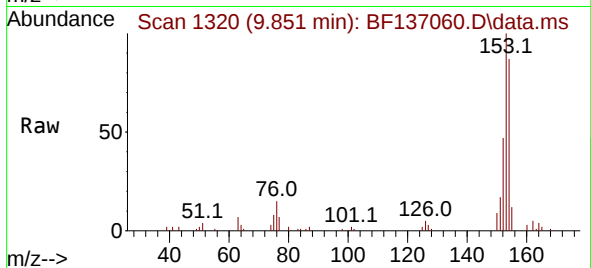
Tgt Ion:165 Resp: 9375
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 38.8 58.2#



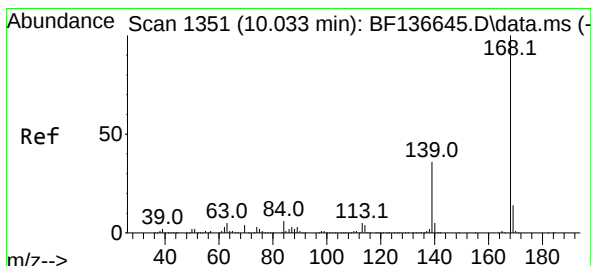
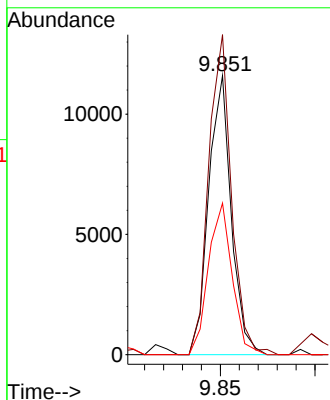
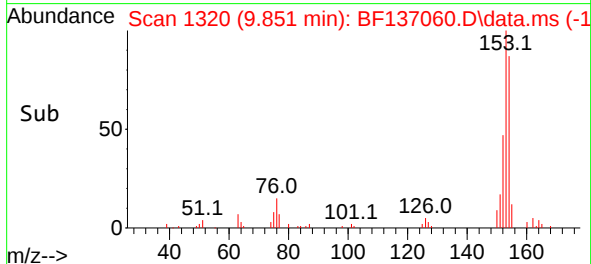


#52
Acenaphthene
Concen: 2.258 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

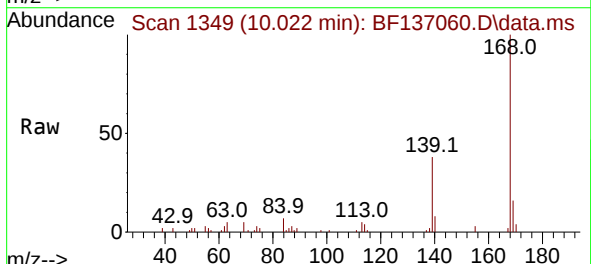
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL



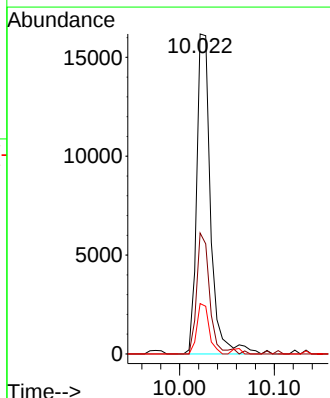
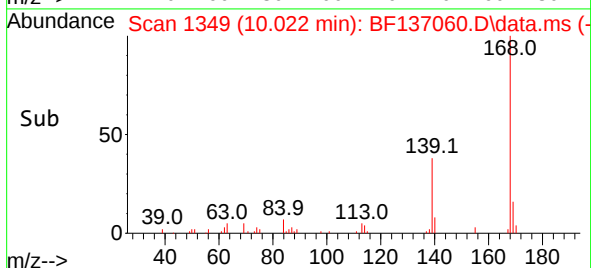
Tgt Ion:154 Resp: 9620
Ion Ratio Lower Upper
154 100
153 114.7 90.7 136.1
152 54.3 43.7 65.5

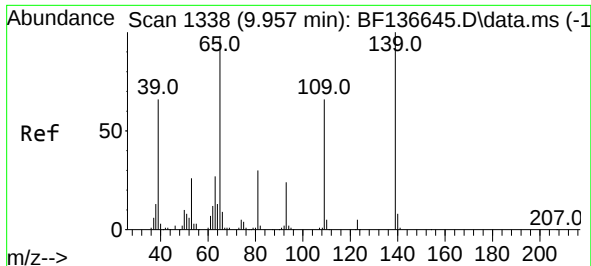


#55
Dibenzofuran
Concen: 2.570 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30



Tgt Ion:168 Resp: 16592
Ion Ratio Lower Upper
168 100
139 37.8 29.3 43.9
169 15.8 11.0 16.4

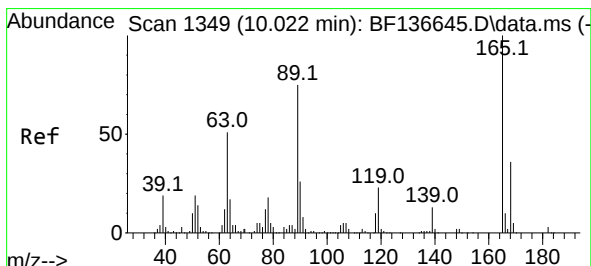
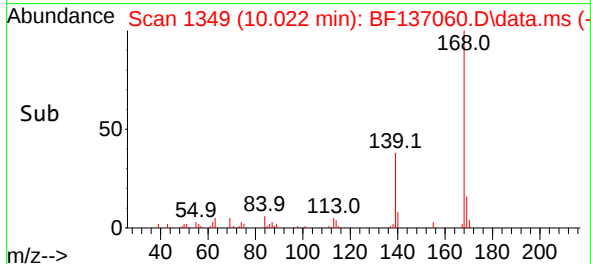
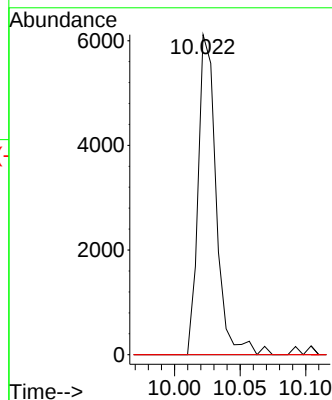
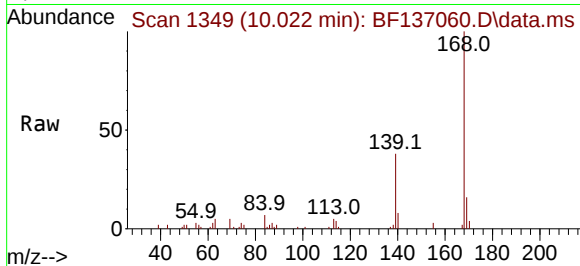




#56
4-Nitrophenol
Concen: 7.024 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

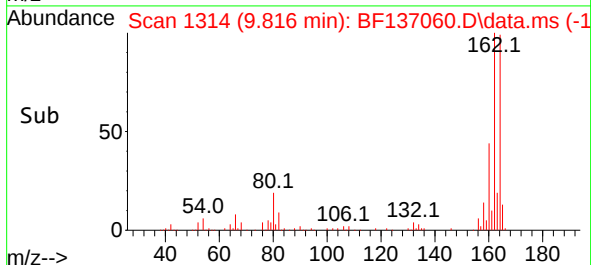
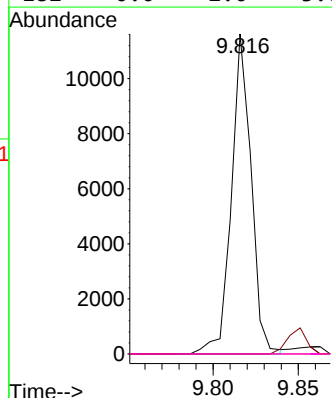
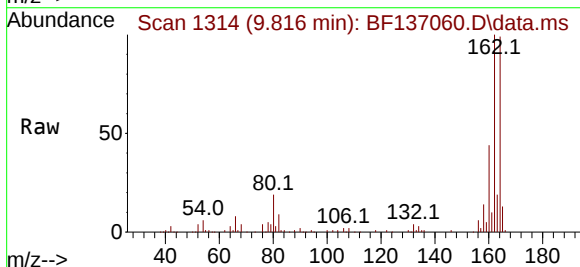
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL

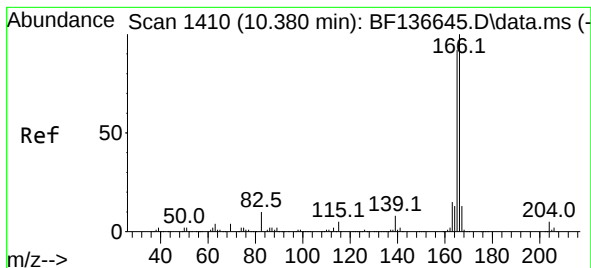
Tgt Ion:139 Resp: 5868
Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 0.0 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 6.182 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Tgt Ion:165 Resp: 9375
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 4.916 ng

RT: 10.369 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

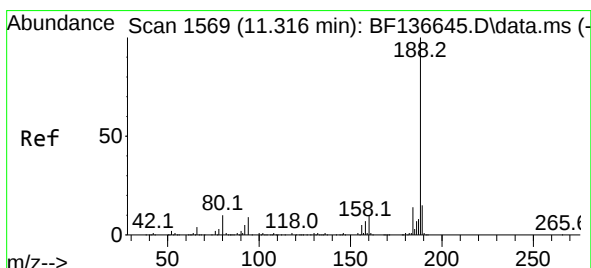
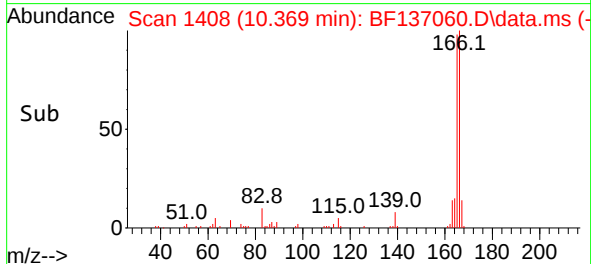
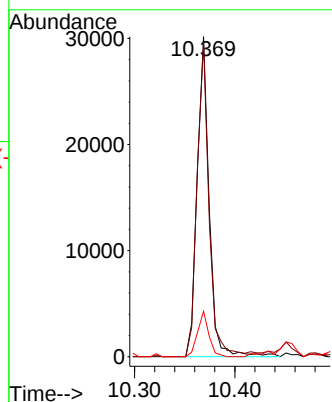
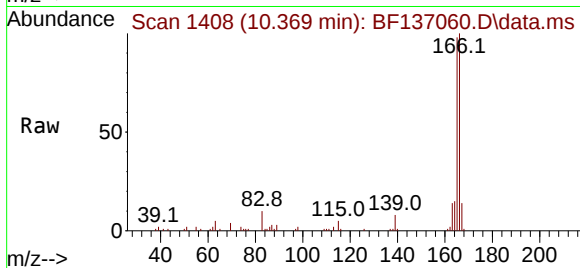
Tgt Ion:166 Resp: 25185

Ion Ratio Lower Upper

166 100

165 98.2 73.7 110.5

167 14.2 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

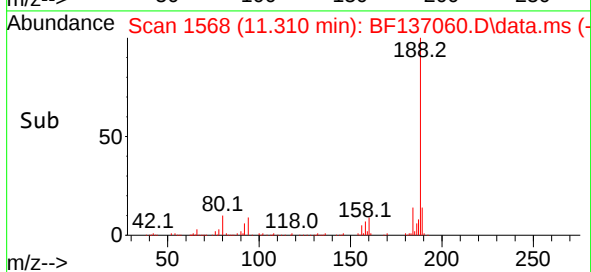
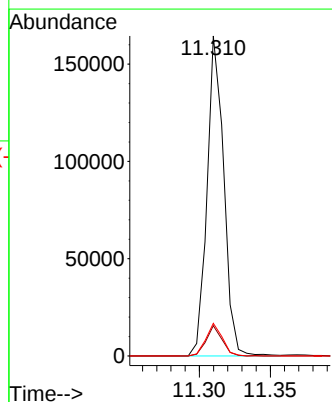
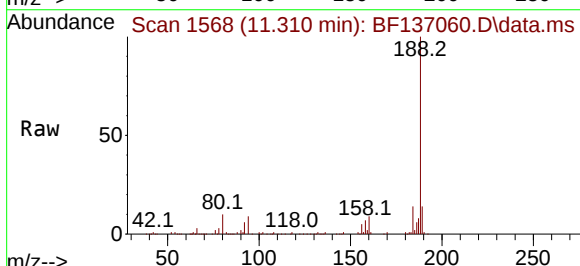
Tgt Ion:188 Resp: 134853

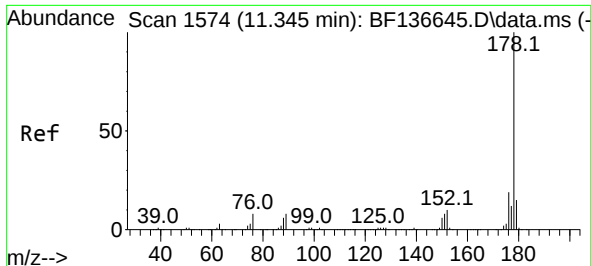
Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

80 10.2 8.1 12.1

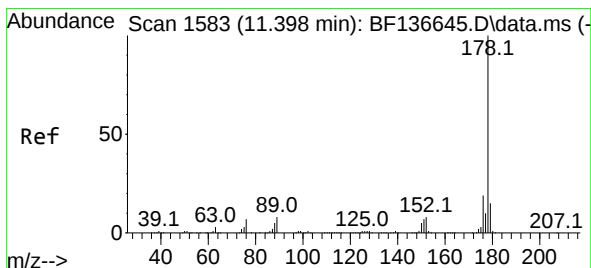
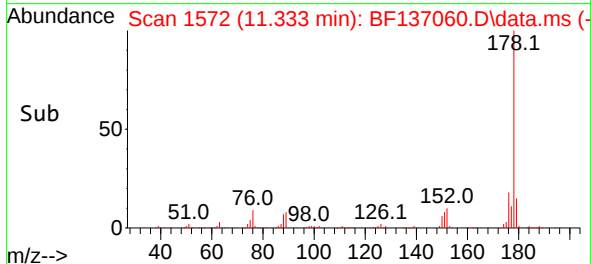
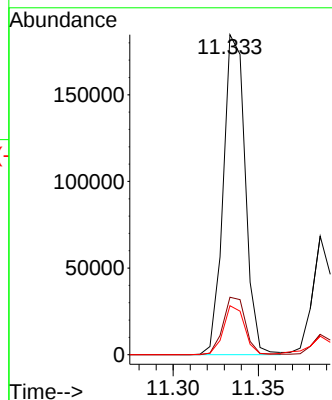
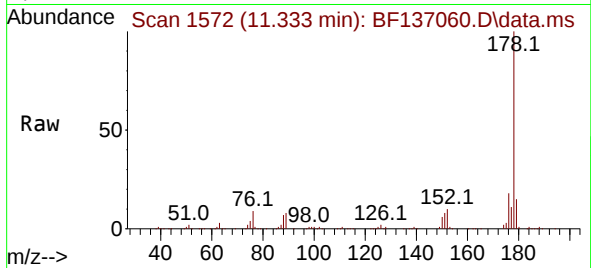




#71
Phenanthrene
Concen: 23.882 ng
RT: 11.333 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

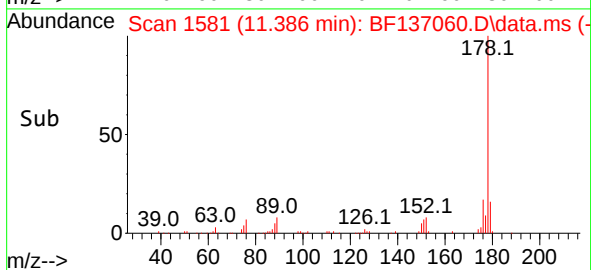
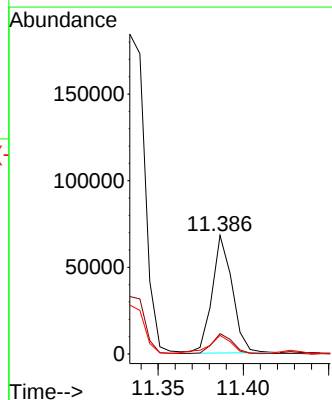
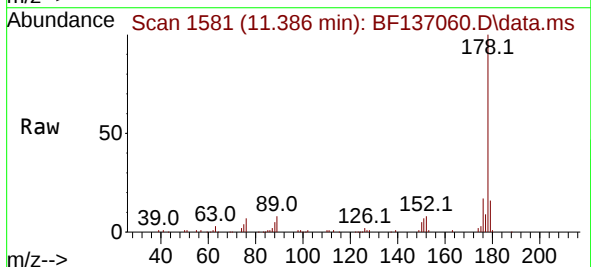
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL

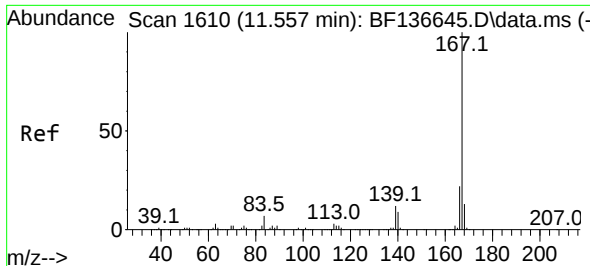
Tgt Ion:178 Resp: 165246
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 15.3 11.9 17.9



#72
Anthracene
Concen: 7.999 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Tgt Ion:178 Resp: 56054
Ion Ratio Lower Upper
178 100
176 17.2 14.9 22.3
179 15.6 11.8 17.6

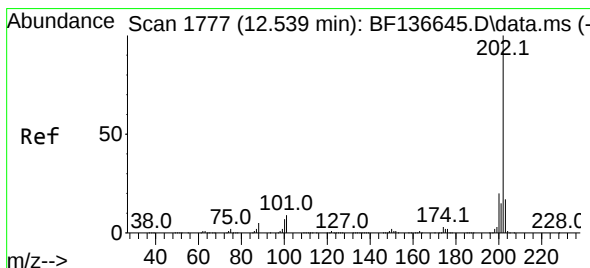
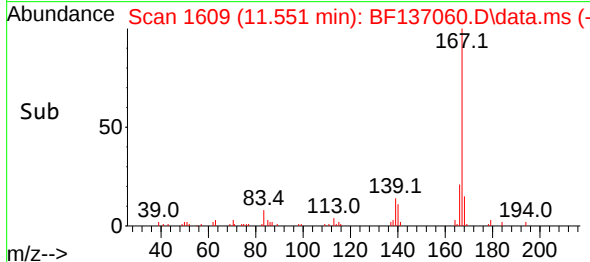
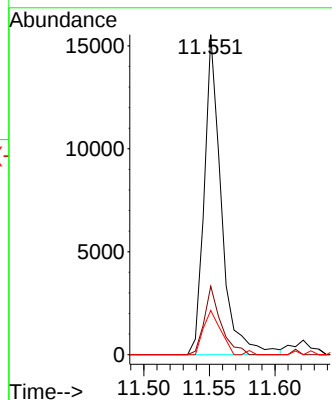
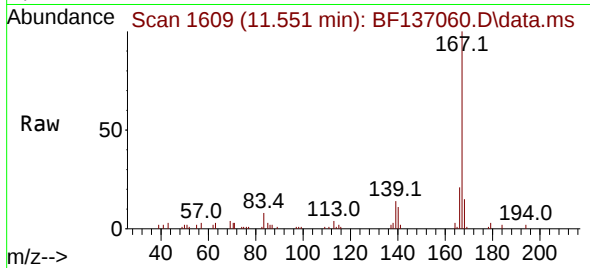




#73
 Carbazole
 Concen: 2.136 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

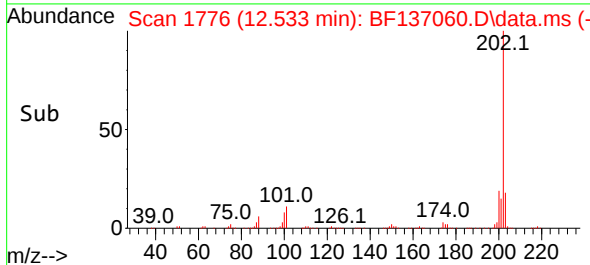
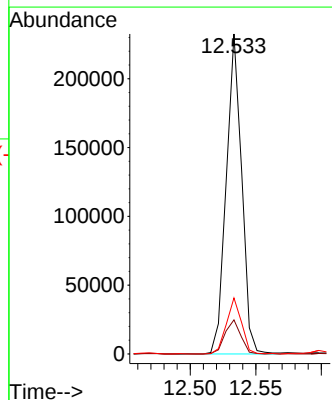
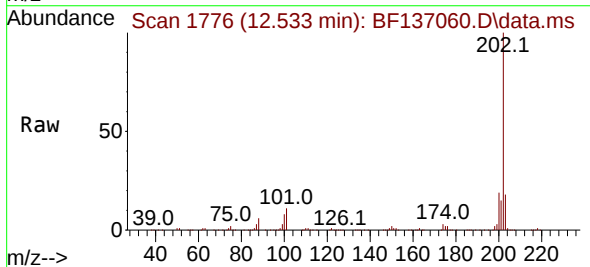
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL

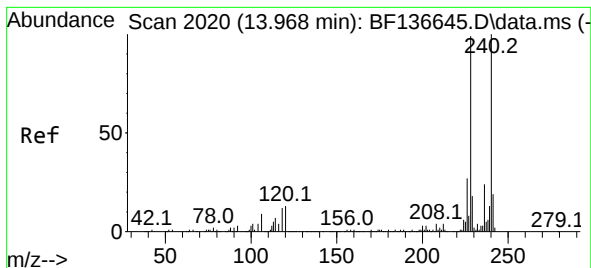
Tgt Ion:167 Resp: 14112
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 13.8 9.8 14.6



#75
 Fluoranthene
 Concen: 25.671 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

Tgt Ion:202 Resp: 189999
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.3
 203 17.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

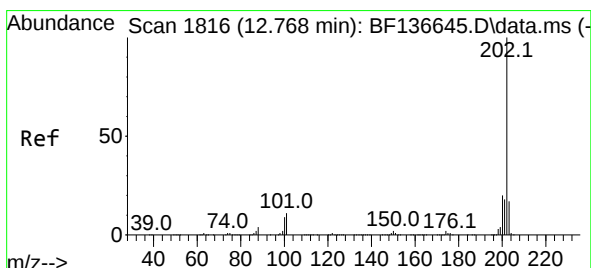
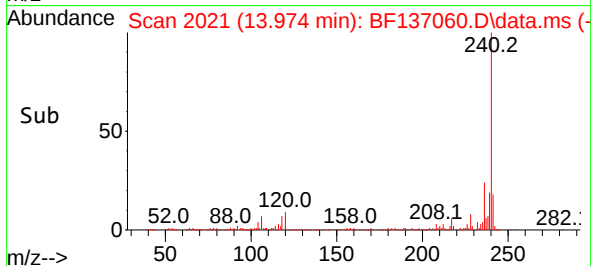
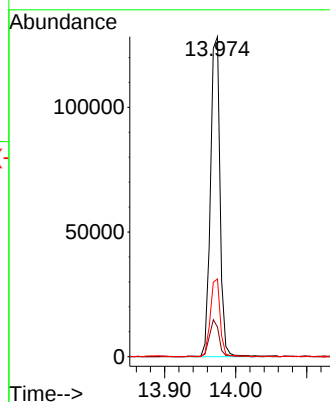
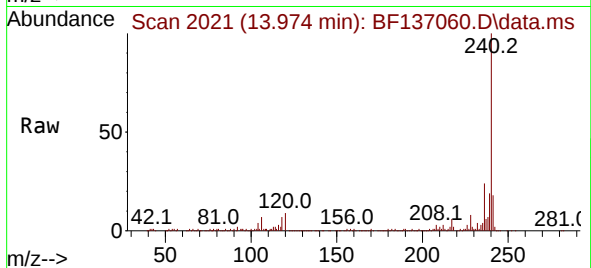
Tgt Ion:240 Resp: 120516

Ion Ratio Lower Upper

240 100

120 9.2 10.3 15.5#

236 24.3 19.4 29.2



#78

Pyrene

Concen: 12.556 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

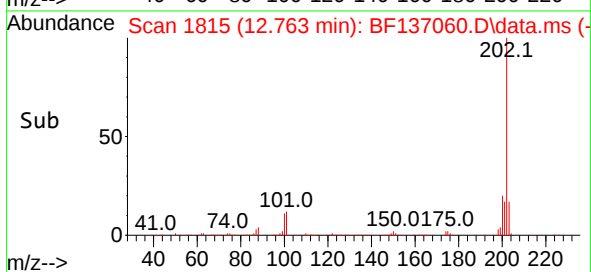
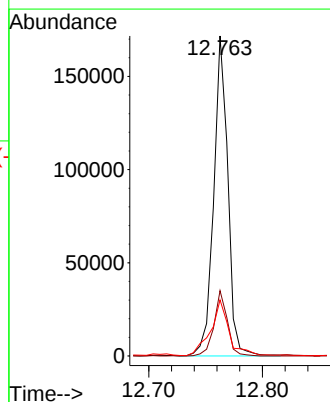
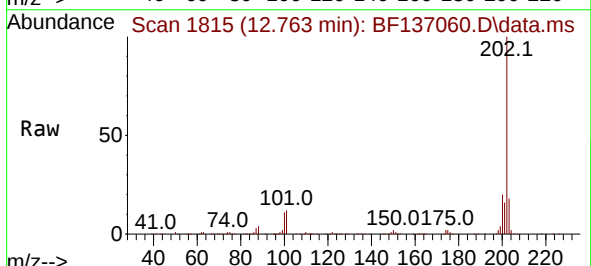
Tgt Ion:202 Resp: 148542

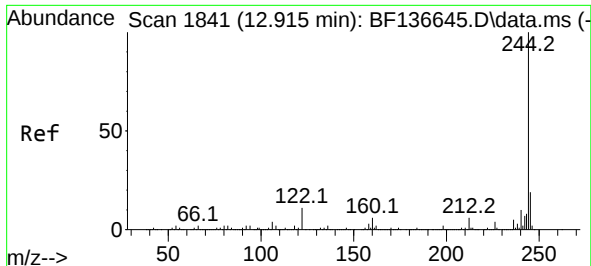
Ion Ratio Lower Upper

202 100

200 20.4 15.9 23.9

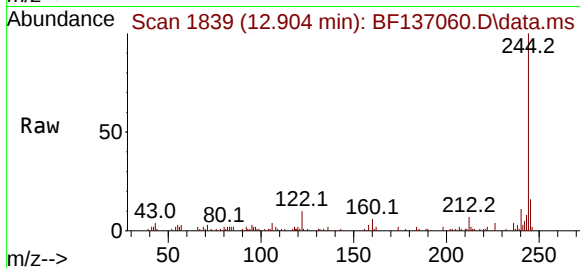
203 17.5 13.8 20.6



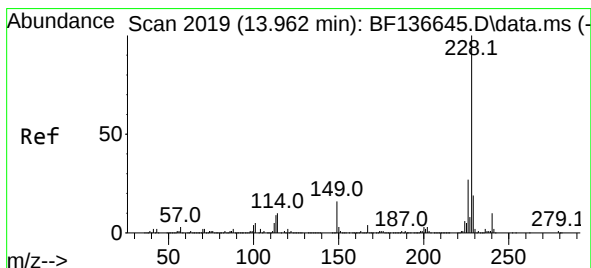
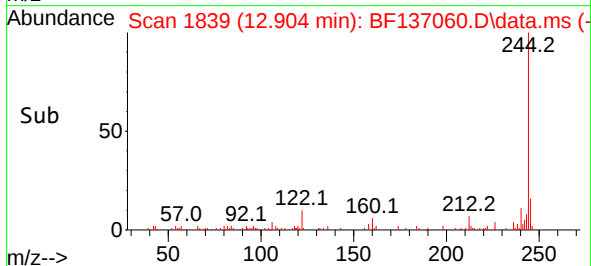
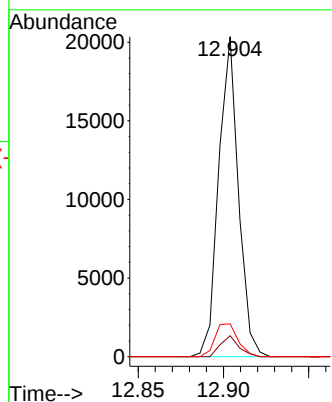


#79
 Terphenyl-d14
 Concen: 1.903 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL

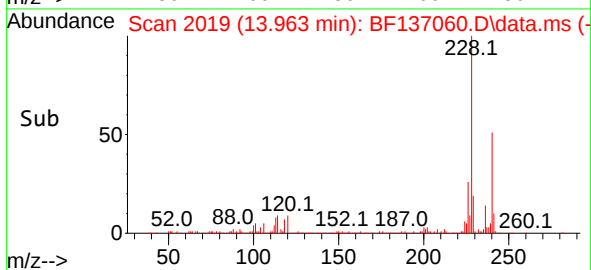
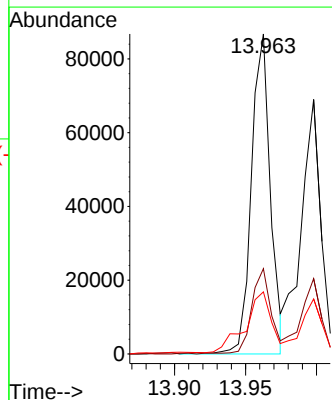
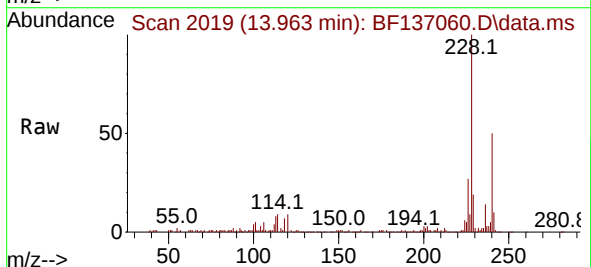


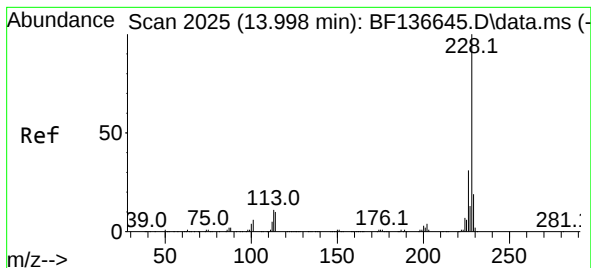
Tgt Ion:244 Resp: 16415
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 10.2 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 9.609 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

Tgt Ion:228 Resp: 80413
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.4 32.0
 229 19.4 14.9 22.3





#83

Chrysene

Concen: 8.246 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

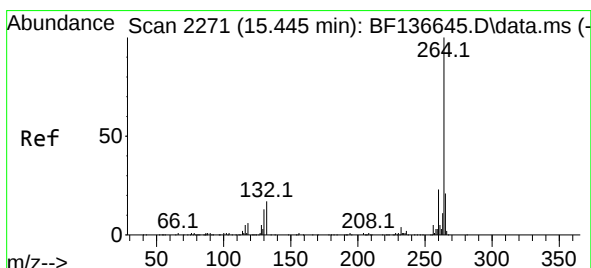
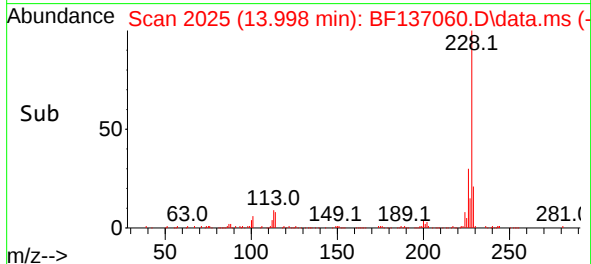
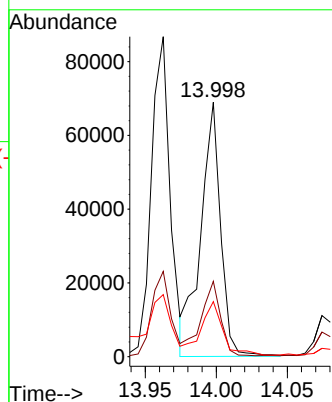
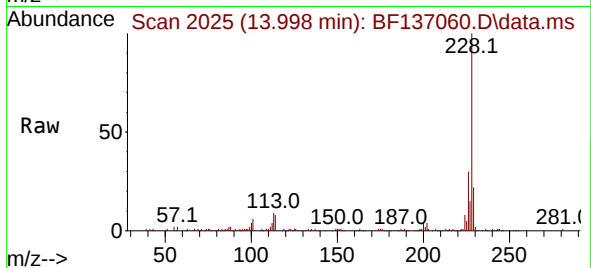
Tgt Ion:228 Resp: 67478

Ion Ratio Lower Upper

228 100

226 29.6 24.7 37.1

229 21.6 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.018 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

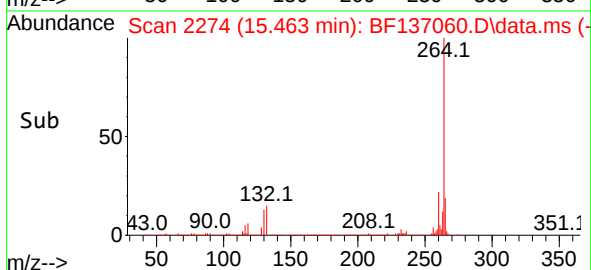
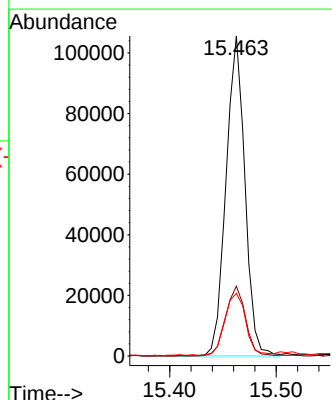
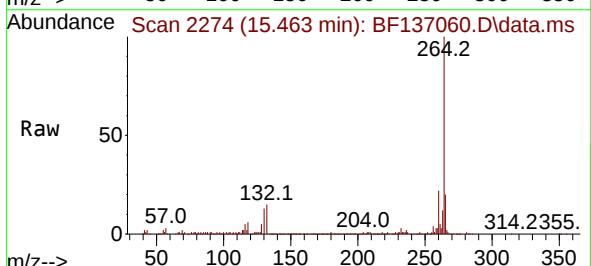
Tgt Ion:264 Resp: 129954

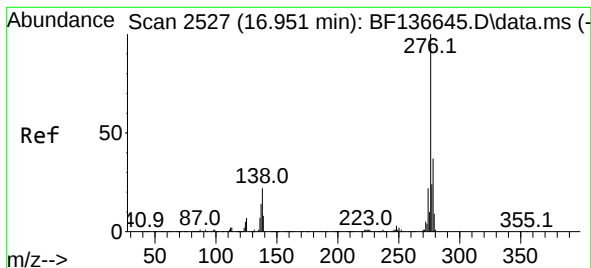
Ion Ratio Lower Upper

264 100

260 21.8 18.3 27.5

265 19.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.171 ng

RT: 16.986 min Scan# 2198

Delta R.T. 0.035 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

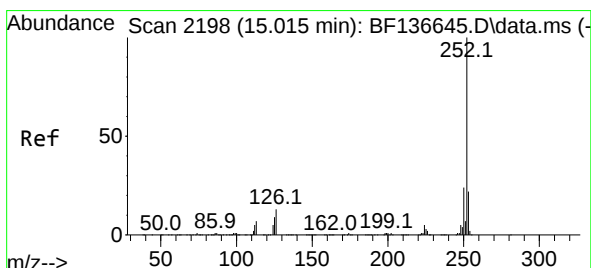
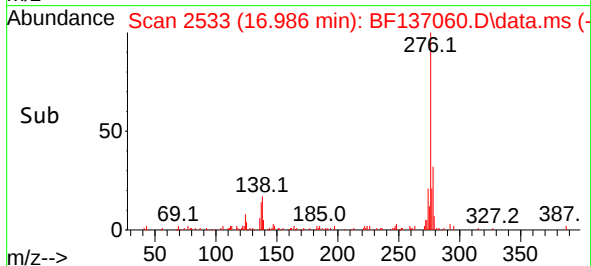
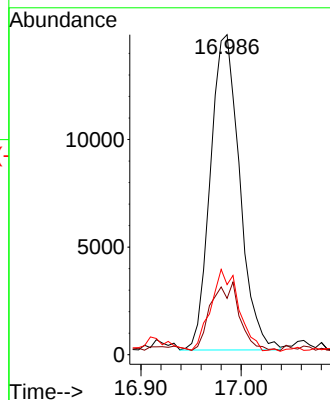
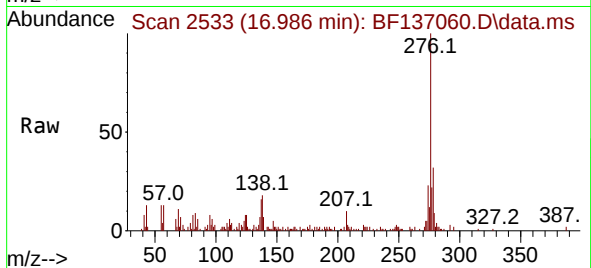
Tgt Ion:276 Resp: 29753

Ion Ratio Lower Upper

276 100

138 21.1 18.7 28.1

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 12.445 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

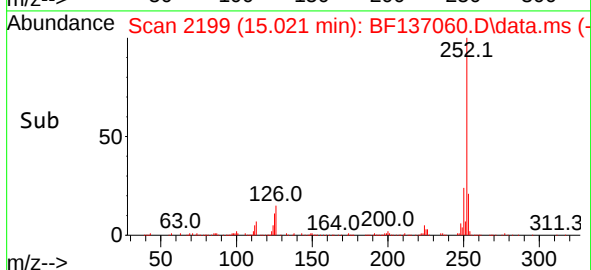
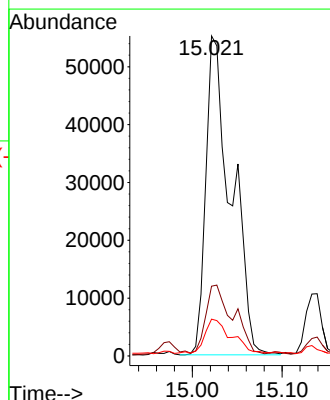
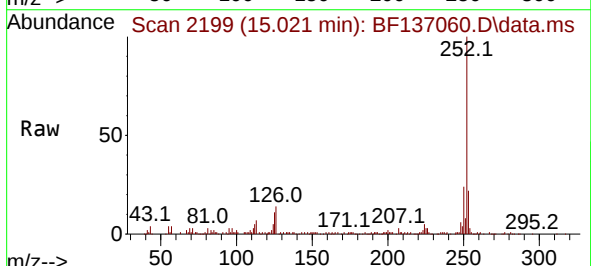
Tgt Ion:252 Resp: 108022

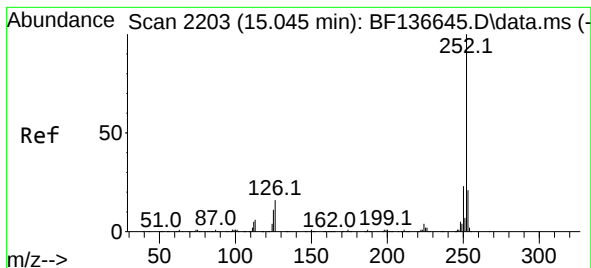
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 11.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 13.171 ng

RT: 15.021 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

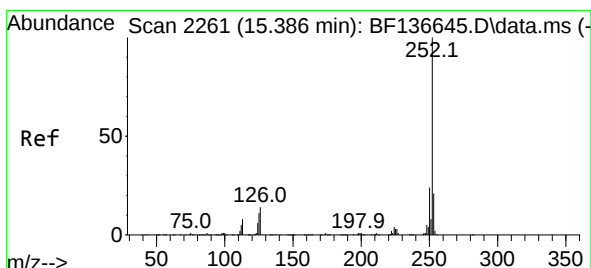
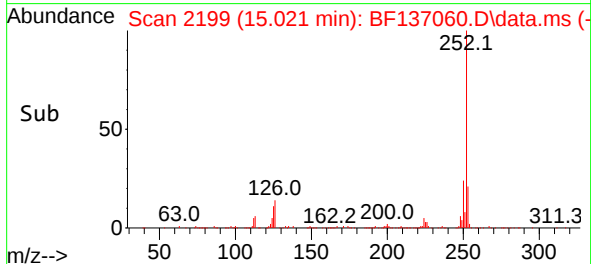
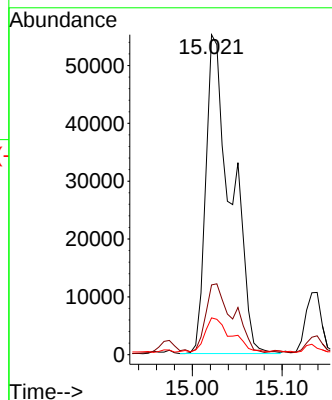
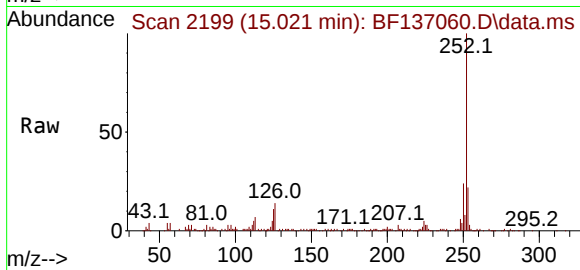
Tgt Ion:252 Resp: 108022

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 11.5 8.2 12.4



#90

Benzo(a)pyrene

Concen: 7.655 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

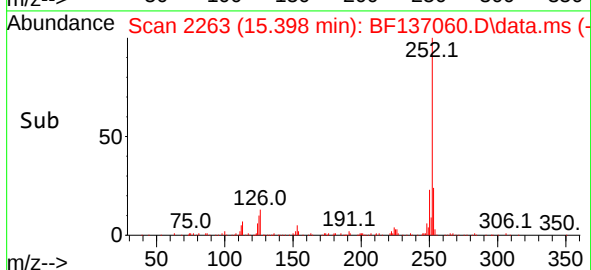
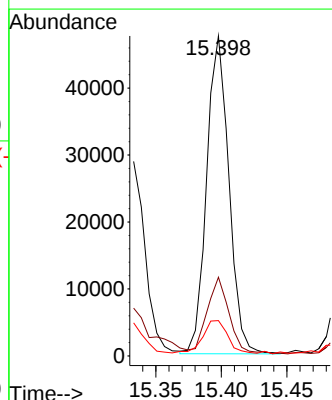
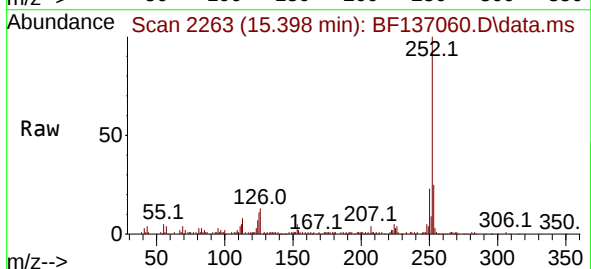
Tgt Ion:252 Resp: 56088

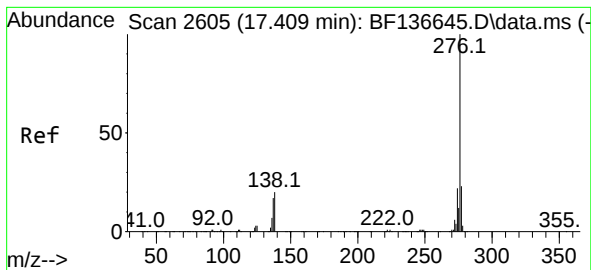
Ion Ratio Lower Upper

252 100

253 24.6 17.0 25.6

125 11.0 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.391 ng

RT: 17.445 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF137060.D

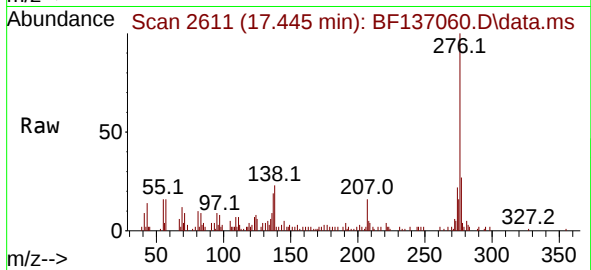
Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL



Tgt Ion:276 Resp: 26735

Ion Ratio Lower Upper

276 100

277 26.7 18.3 27.5

138 22.9 15.6 23.4

