

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136780.D
 Acq On : 28 Dec 2023 02:38
 Operator : CG\JU
 Sample : 06018-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Dec 28 03:28:10 2023
 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)

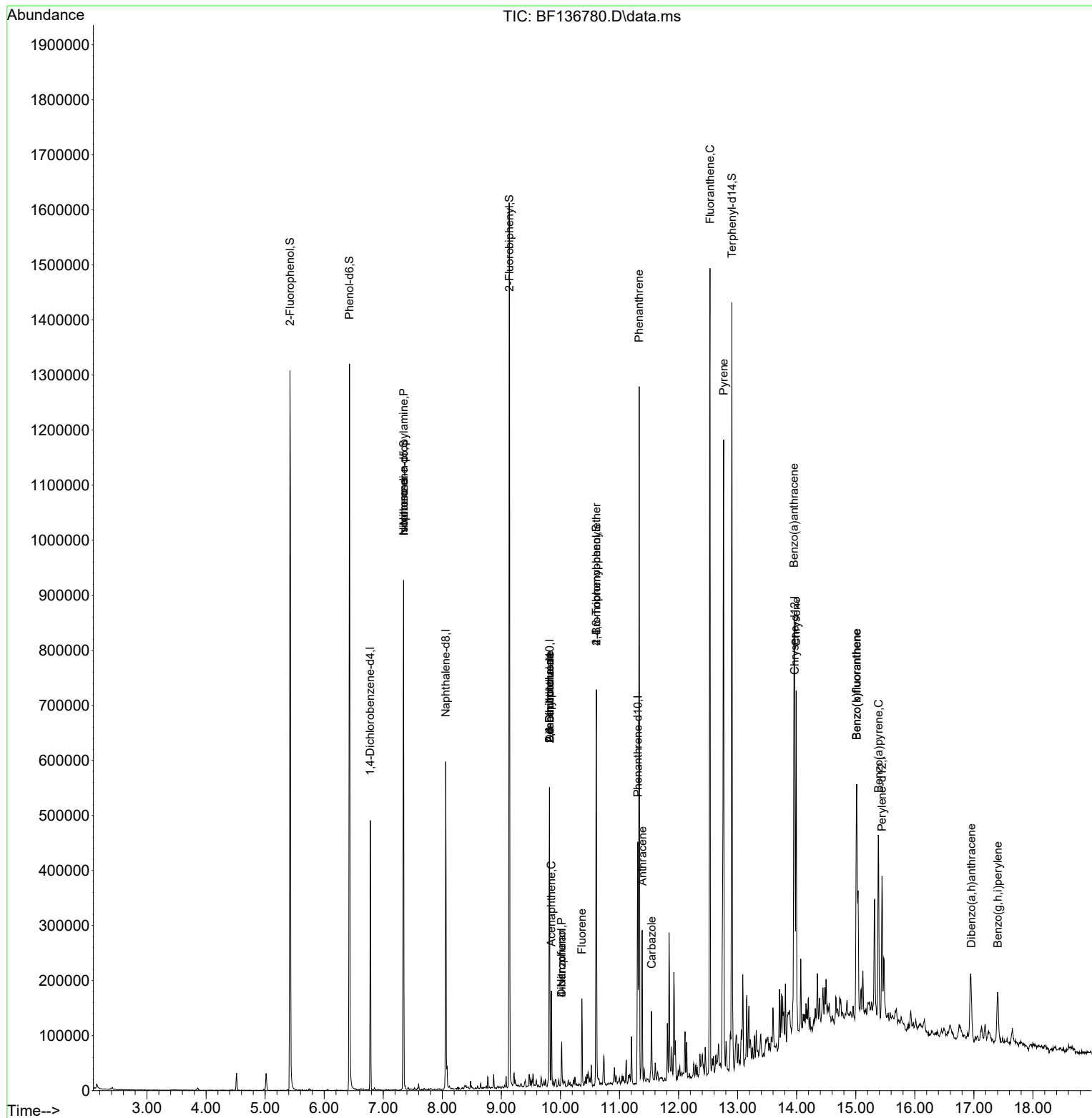
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66592	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	235866	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	102418	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	163012	20.000	ng	0.00
76) Chrysene-d12	13.968	240	138819	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	118217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	354170	82.984	ng	0.00
7) Phenol-d6	6.428	99	430563	77.856	ng	-0.01
23) Nitrobenzene-d5	7.345	82	269167	58.396	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	88874	73.681	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	515248	67.664	ng	-0.02
79) Terphenyl-d14	12.904	244	458456	46.152	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	35326	10.538	ng	# 73
25) Isophorone	7.345	82	268052	31.960	ng	# 65
50) Dimethylphthalate	9.816	163	20475	2.737	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	13244	7.801	ng	# 30
52) Acenaphthene	9.845	154	31703	5.121	ng	98
55) Dibenzofuran	10.022	168	29760	3.171	ng	91
56) 4-Nitrophenol	10.022	139	9726	8.011	ng	# 11
57) 2,4-Dinitrotoluene	9.816	165	13244	6.009	ng	# 21
58) Fluorene	10.363	166	40651	5.460	ng	98
67) 4-Bromophenyl-phenylether	10.610	248	5066	2.798	ng	# 1
71) Phenanthrene	11.333	178	425157	50.830	ng	100
72) Anthracene	11.386	178	112725	13.308	ng	98
73) Carbazole	11.545	167	53682	6.722	ng	99
75) Fluoranthene	12.533	202	582531	65.110	ng	99
78) Pyrene	12.763	202	493060	36.181	ng	99
81) Benzo(a)anthracene	13.957	228	265896	27.584	ng	99
83) Chrysene	13.992	228	215333	22.844	ng	96
88) Benzo(b)fluoranthene	15.015	252	327055	41.421	ng	99
89) Benzo(k)fluoranthene	15.015	252	327055	43.836	ng	98
90) Benzo(a)pyrene	15.386	252	161236	24.192	ng	98
91) Dibenzo(a,h)anthracene	16.956	278	21076	3.010	ng	# 87
92) Benzo(g,h,i)perylene	17.403	276	77320	10.781	ng	98

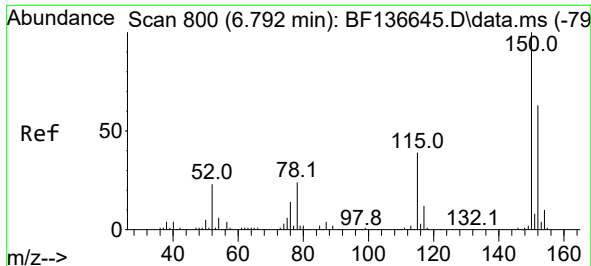
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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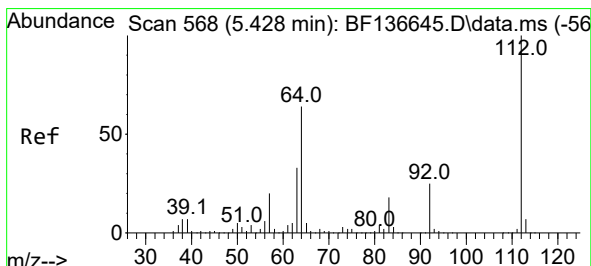
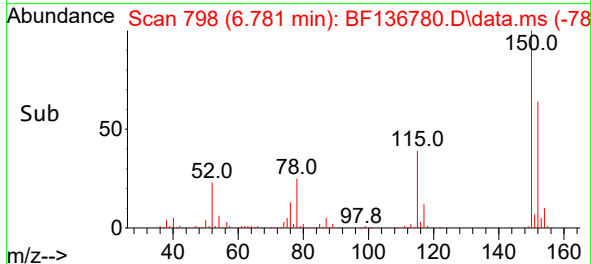
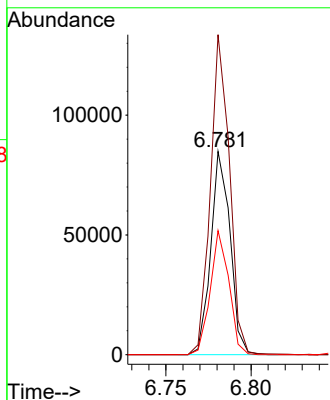
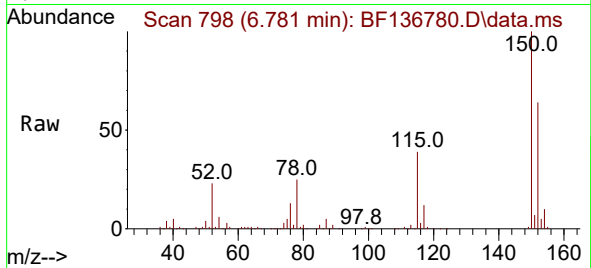




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF136780.D
 Acq: 28 Dec 2023 02:38

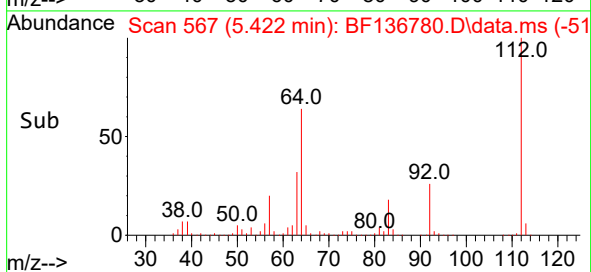
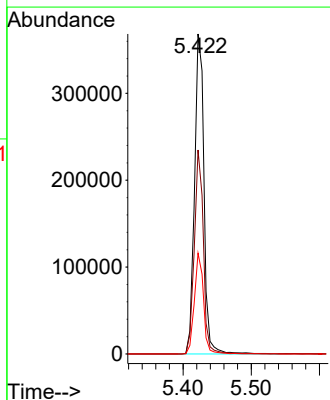
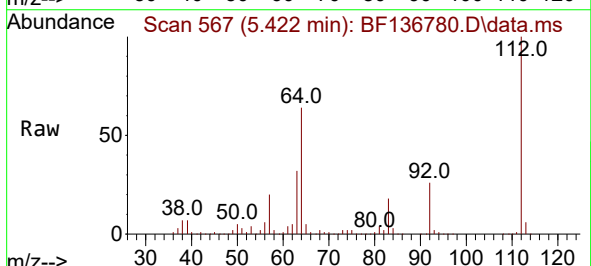
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

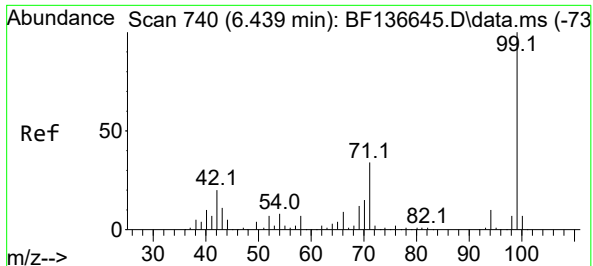
Tgt Ion:152 Resp: 66592
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.0 190.6
 115 61.0 49.0 73.4



#5
 2-Fluorophenol
 Concen: 82.984 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF136780.D
 Acq: 28 Dec 2023 02:38

Tgt Ion:112 Resp: 354170
 Ion Ratio Lower Upper
 112 100
 64 63.8 51.1 76.7
 63 31.5 26.1 39.1

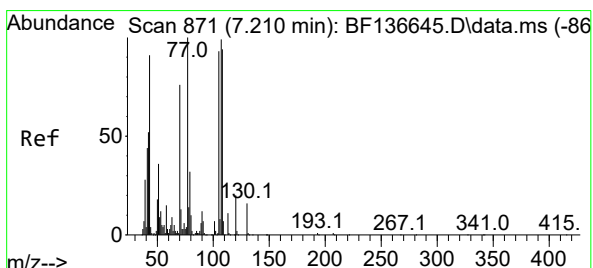
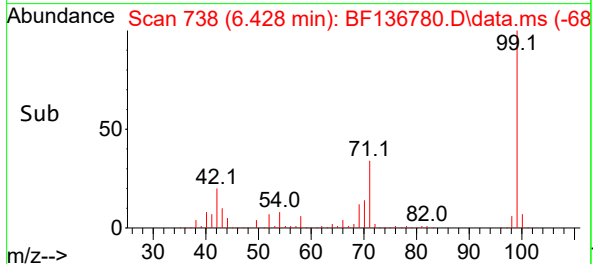
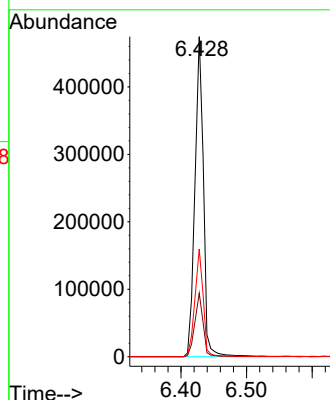
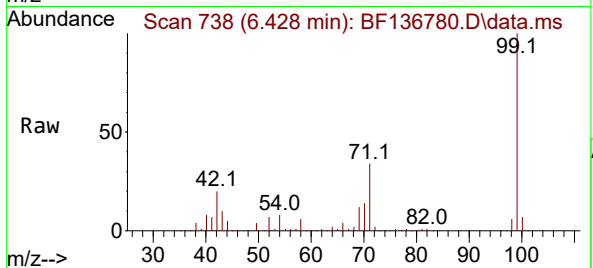




#7
Phenol-d6
Concen: 77.856 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

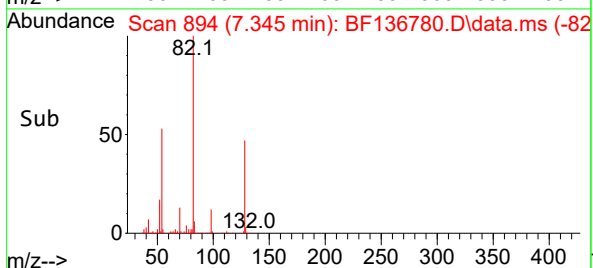
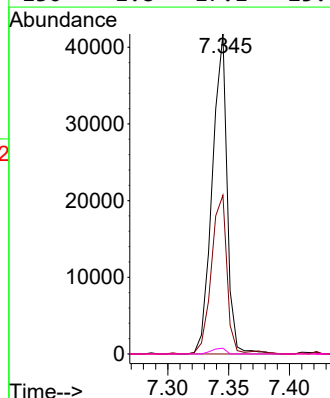
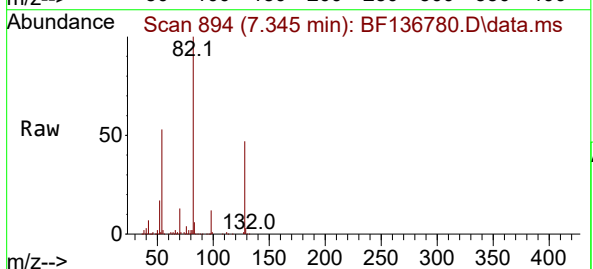
Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 99 Resp: 430563
Ion Ratio Lower Upper
99 100
42 19.9 16.1 24.1
71 33.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.538 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion: 70 Resp: 35326
Ion Ratio Lower Upper
70 100
42 49.6 54.2 81.4#
101 0.0 7.6 11.4#
130 1.8 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: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:136 Resp: 235866

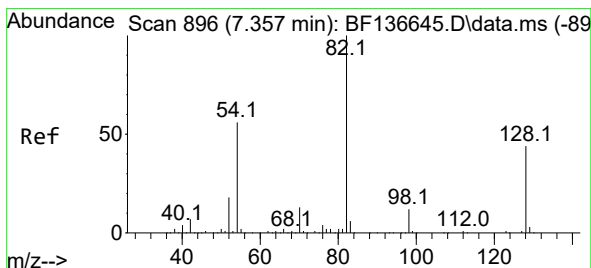
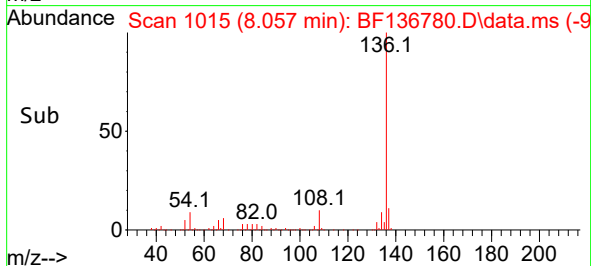
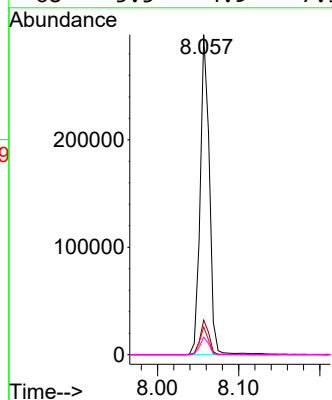
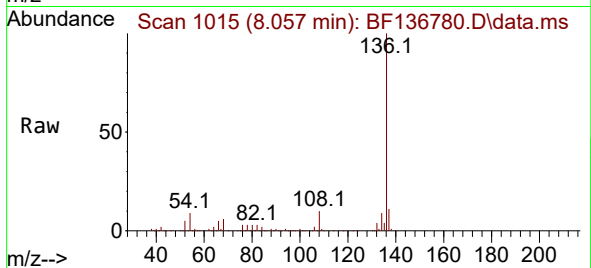
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.7 7.2 10.8

68 5.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 58.396 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

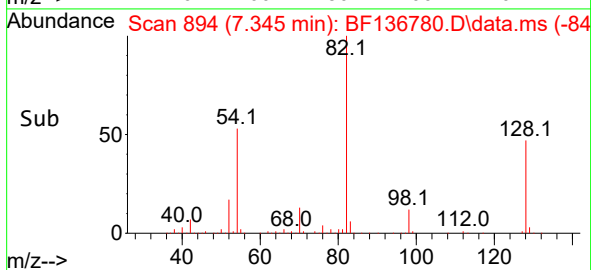
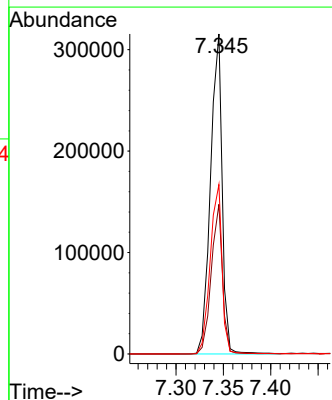
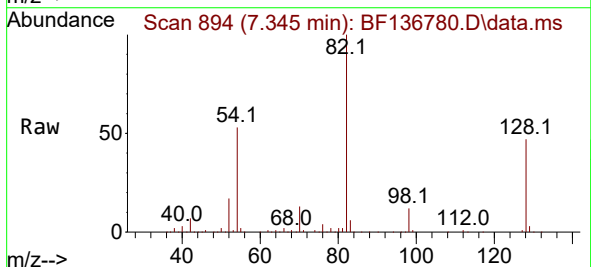
Tgt Ion: 82 Resp: 269167

Ion Ratio Lower Upper

82 100

128 46.8 35.3 52.9

54 53.0 44.5 66.7

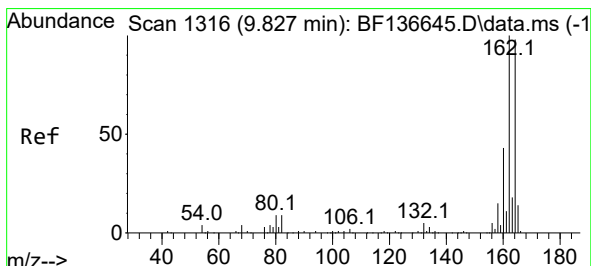
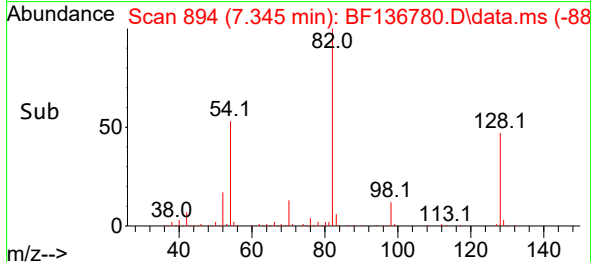
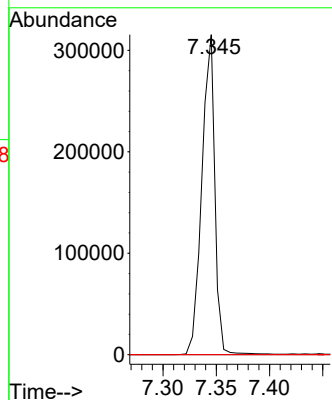
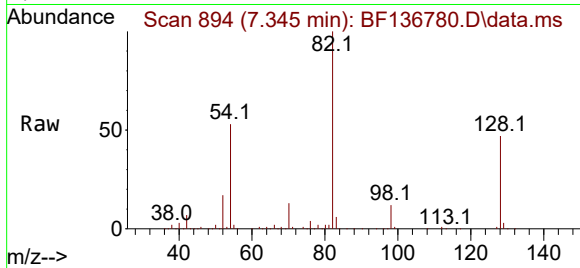




#25
Isophorone
Concen: 31.960 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

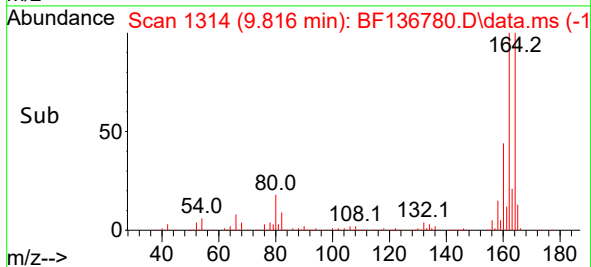
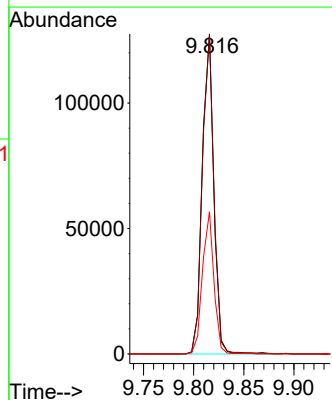
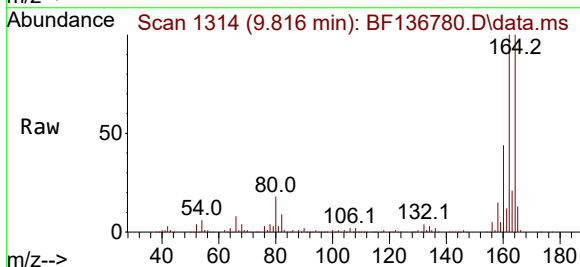
Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 82 Resp: 268052
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: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:164 Resp: 102418
Ion Ratio Lower Upper
164 100
162 100.0 81.6 122.4
160 44.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 73.681 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

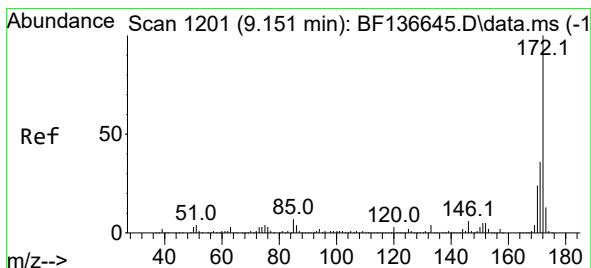
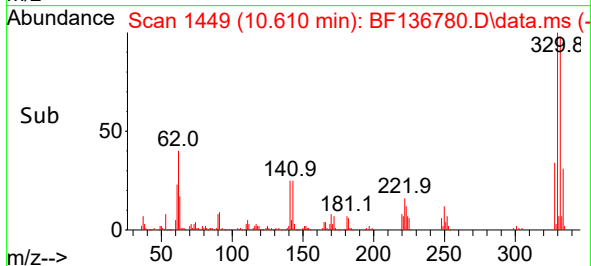
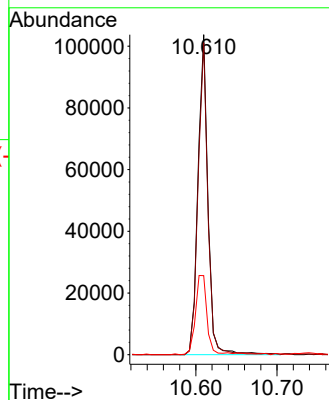
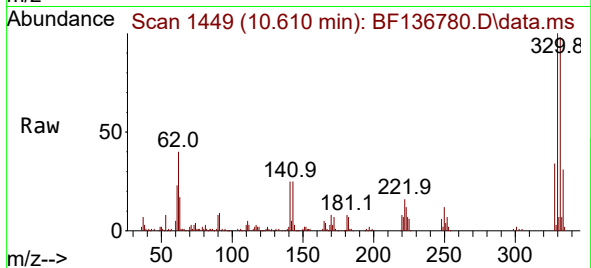
Tgt Ion:330 Resp: 88874

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

141 29.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 67.664 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

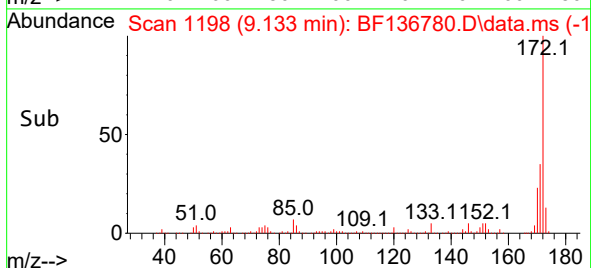
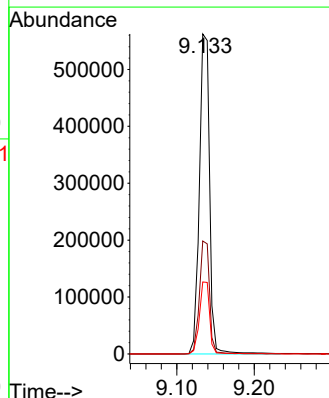
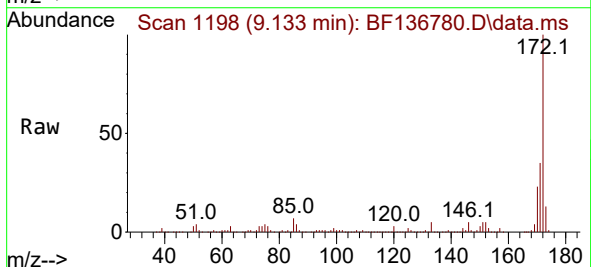
Tgt Ion:172 Resp: 515248

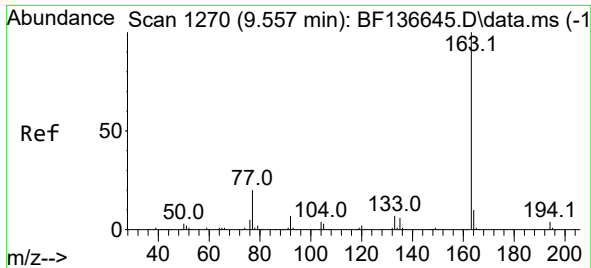
Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

170 22.5 19.0 28.4

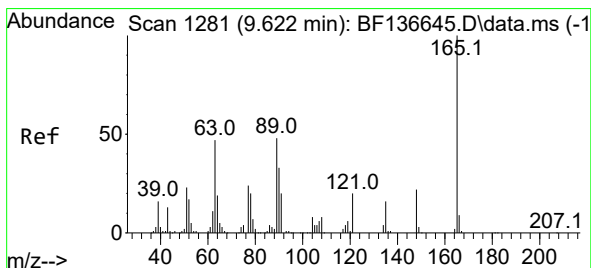
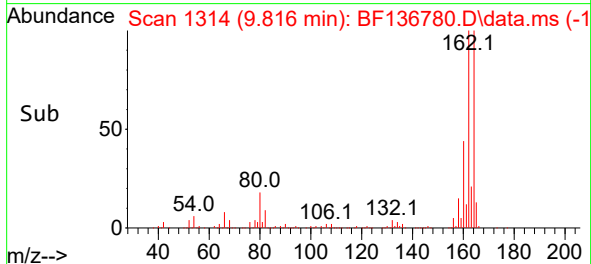
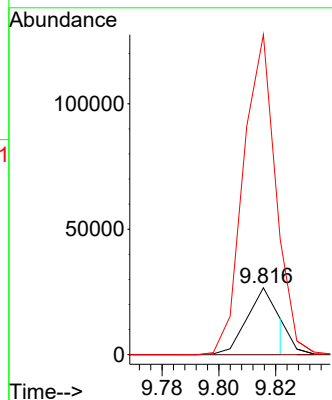
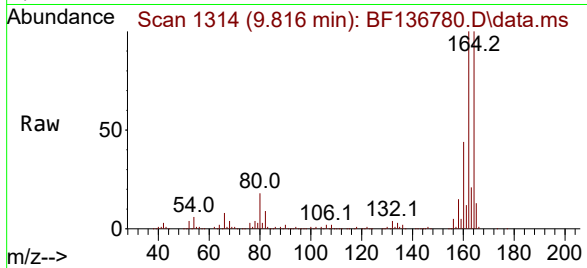




#50
Dimethylphthalate
Concen: 2.737 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

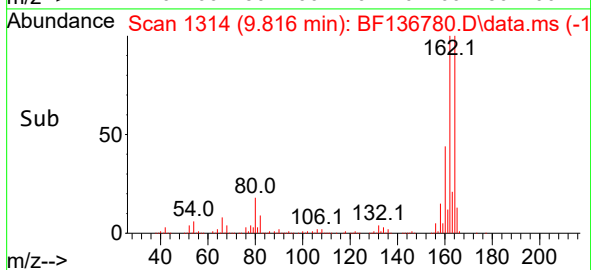
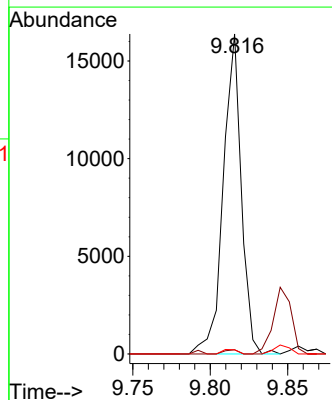
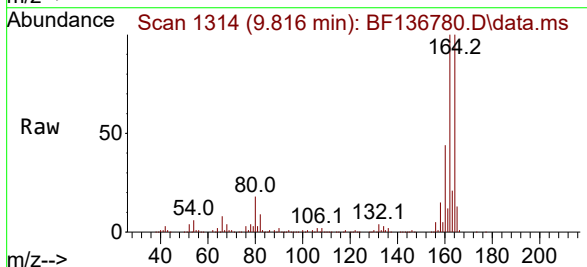
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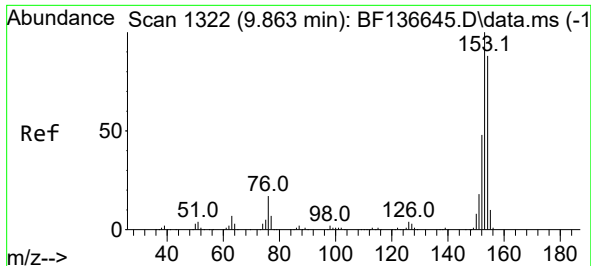
Tgt Ion:163 Resp: 20475
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 478.6 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.801 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:165 Resp: 13244
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.3 38.8 58.2#

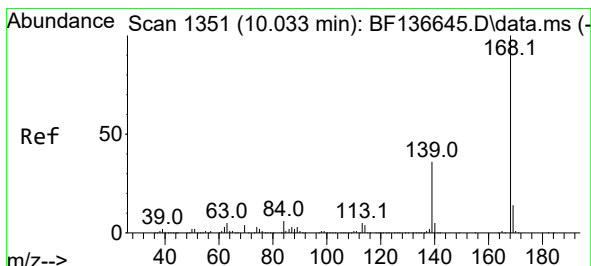
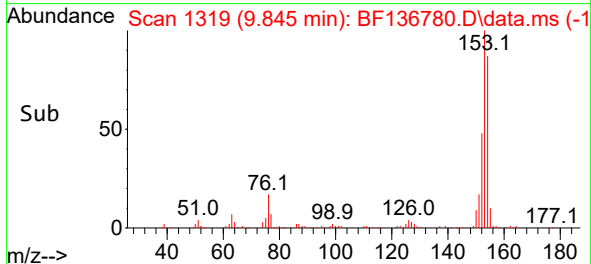
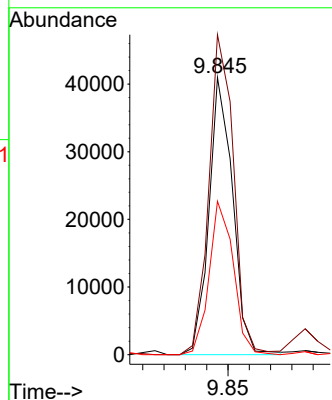
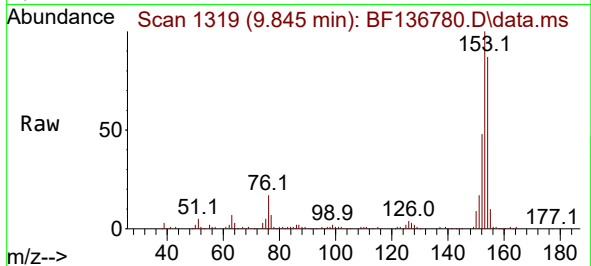




#52
Acenaphthene
Concen: 5.121 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

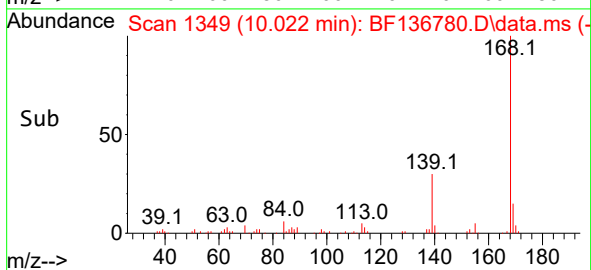
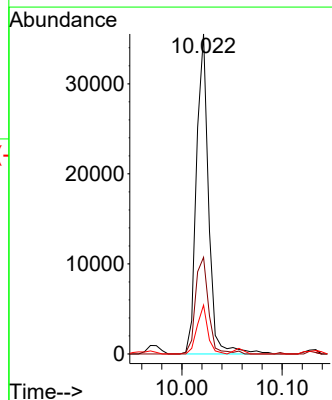
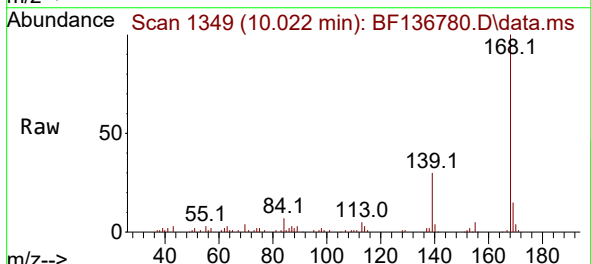
Instrument :
BNA_F
ClientSampleId :
COMP-2

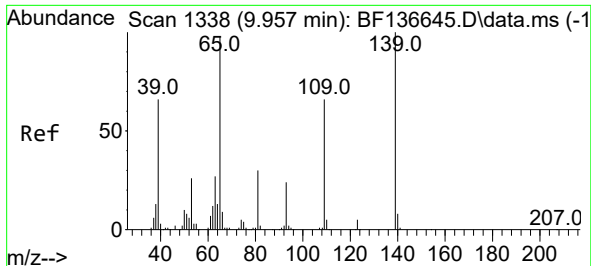
Tgt Ion:154 Resp: 31703
Ion Ratio Lower Upper
154 100
153 115.5 90.7 136.1
152 55.4 43.7 65.5



#55
Dibenzofuran
Concen: 3.171 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:168 Resp: 29760
Ion Ratio Lower Upper
168 100
139 30.2 29.3 43.9
169 15.2 11.0 16.4

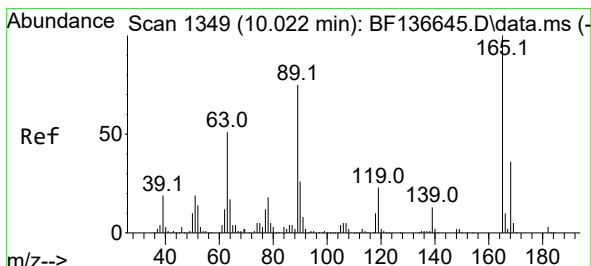
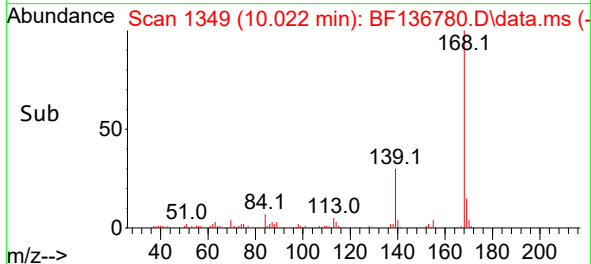
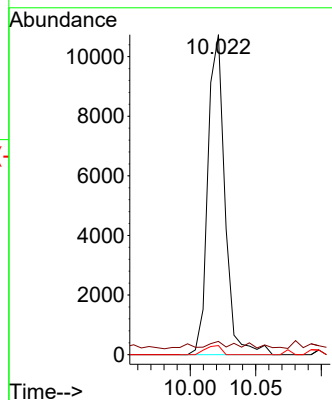
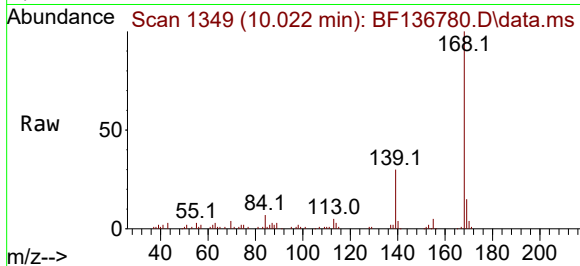




#56
4-Nitrophenol
Concen: 8.011 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

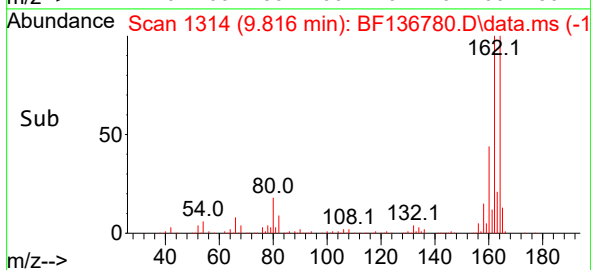
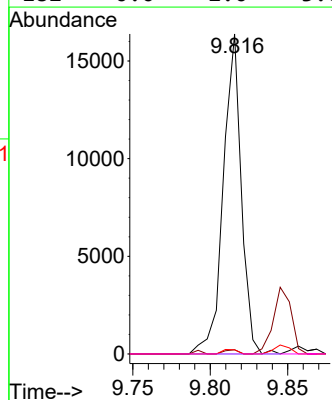
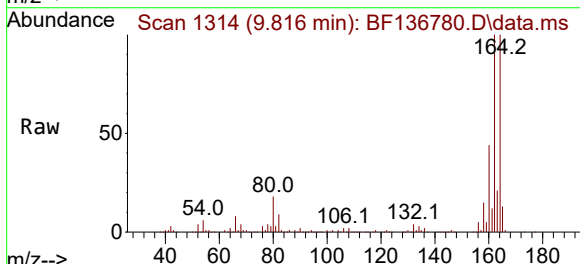
Instrument :
BNA_F
ClientSampleId :
COMP-2

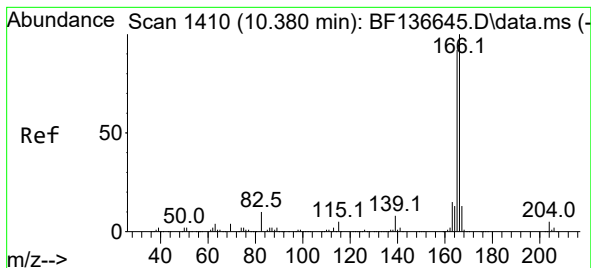
Tgt Ion:139 Resp: 9726
Ion Ratio Lower Upper
139 100
109 4.1 45.8 85.8#
65 2.9 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 6.009 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:165 Resp: 13244
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.6#
89 1.3 59.9 89.9#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 5.460 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

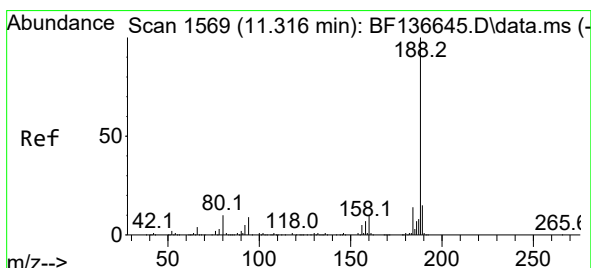
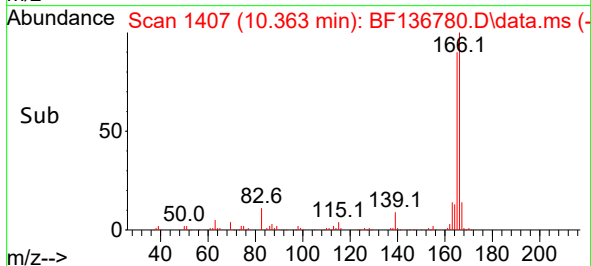
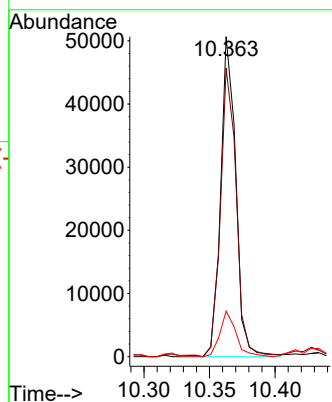
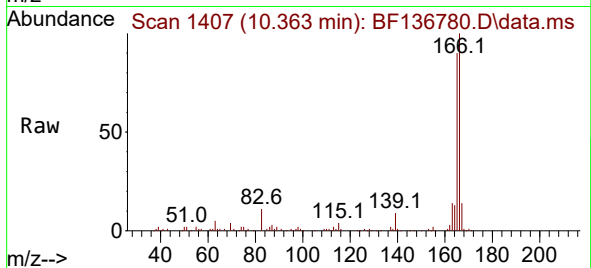
Tgt Ion:166 Resp: 40651

Ion Ratio Lower Upper

166 100

165 90.1 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: BF136780.D

Acq: 28 Dec 2023 02:38

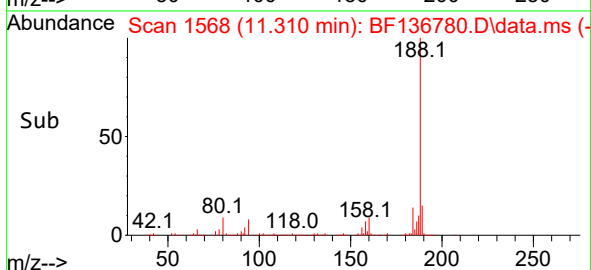
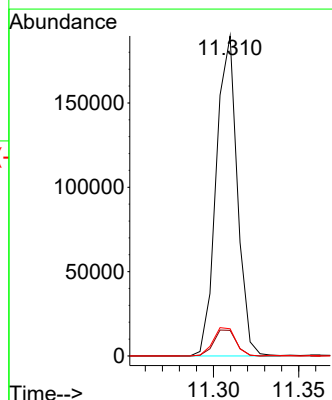
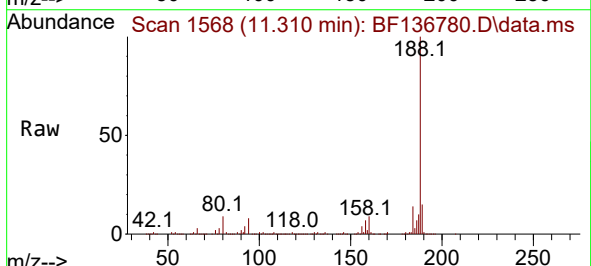
Tgt Ion:188 Resp: 163012

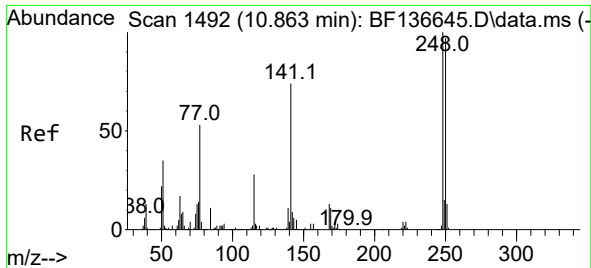
Ion Ratio Lower Upper

188 100

94 8.0 7.5 11.3

80 8.5 8.1 12.1

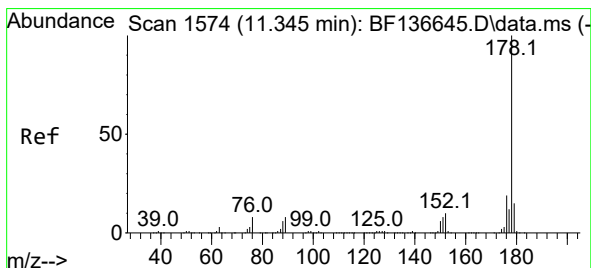
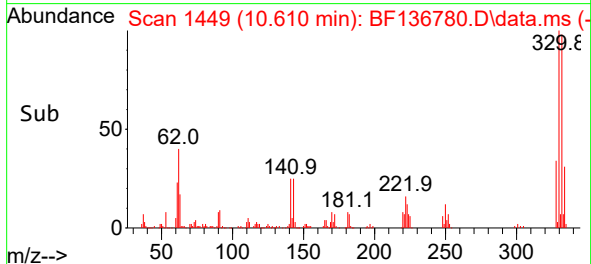
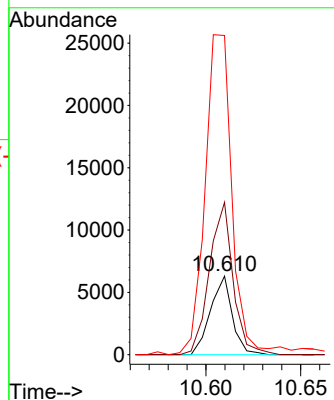
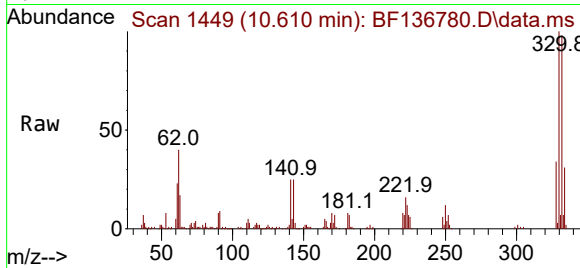




#67
4-Bromophenyl-phenylether
Concen: 2.798 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

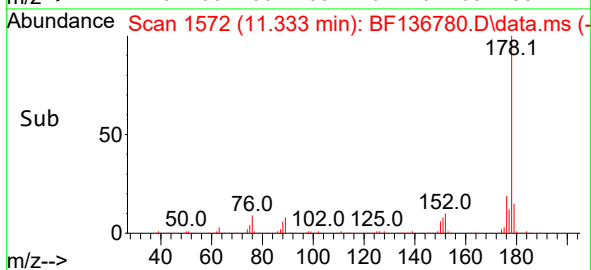
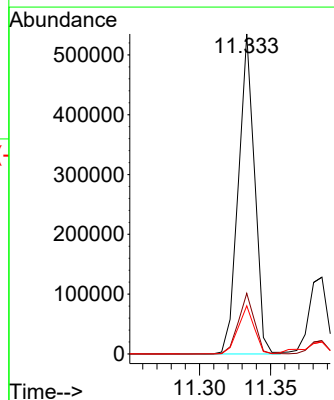
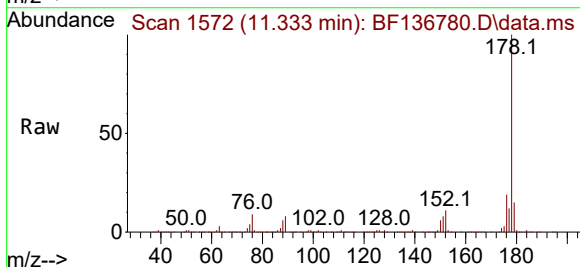
Instrument :
BNA_F
ClientSampleId :
COMP-2

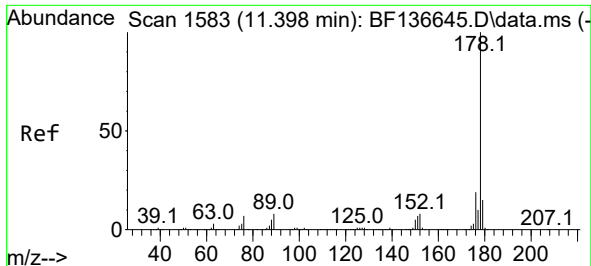
Tgt Ion:248 Resp: 5066
Ion Ratio Lower Upper
248 100
250 193.9 77.8 116.6#
141 406.4 59.2 88.8#



#71
Phenanthrene
Concen: 50.830 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:178 Resp: 425157
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 11.9 17.9

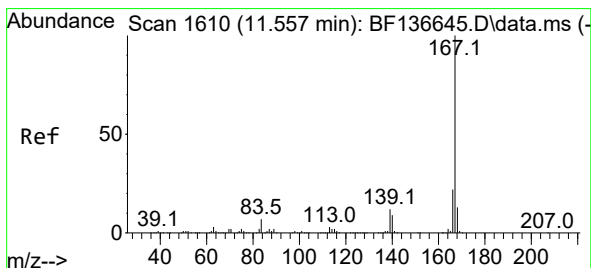
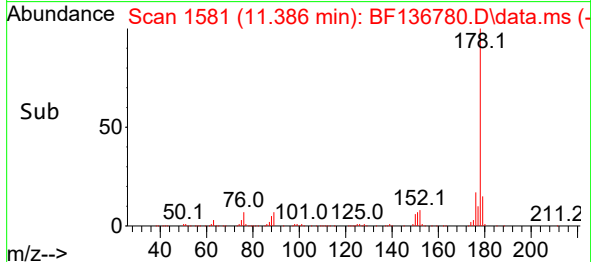
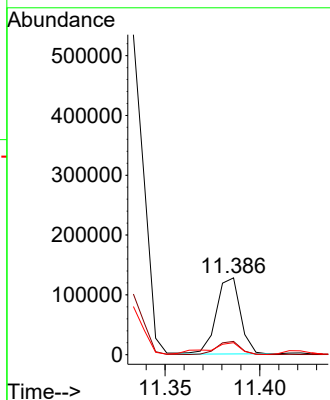
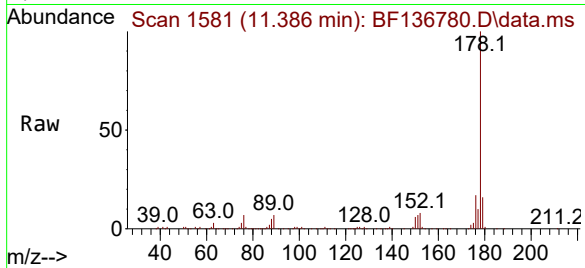




#72
 Anthracene
 Concen: 13.308 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136780.D
 Acq: 28 Dec 2023 02:38

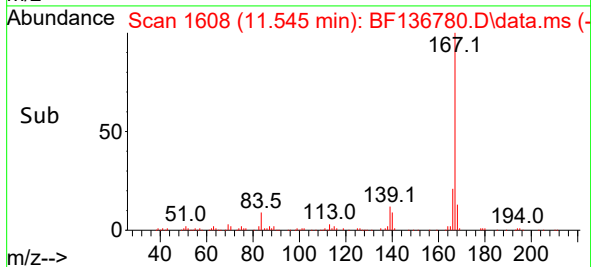
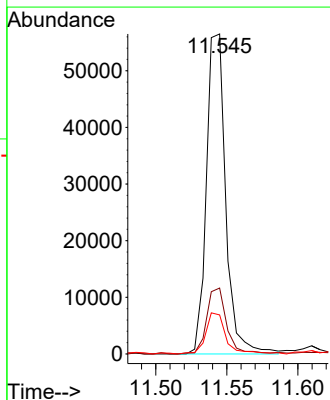
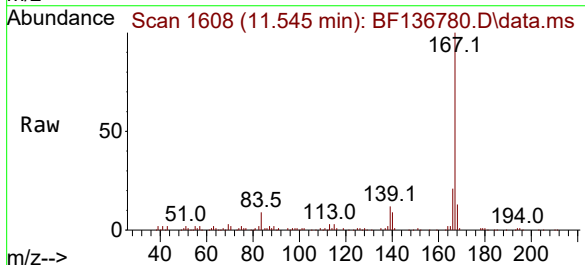
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

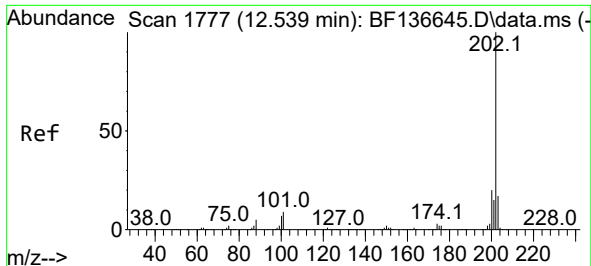
Tgt Ion:178 Resp: 112725
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.9 22.3
 179 15.6 11.8 17.6



#73
 Carbazole
 Concen: 6.722 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136780.D
 Acq: 28 Dec 2023 02:38

Tgt Ion:167 Resp: 53682
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.3 25.9
 139 12.2 9.8 14.6

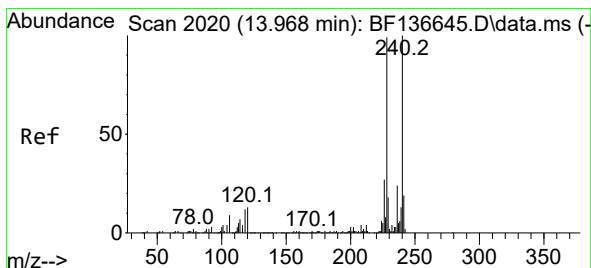
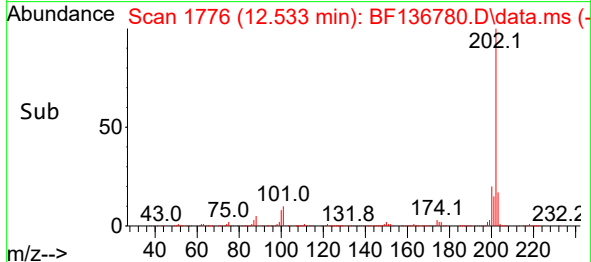
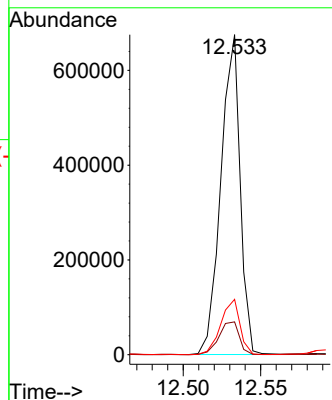
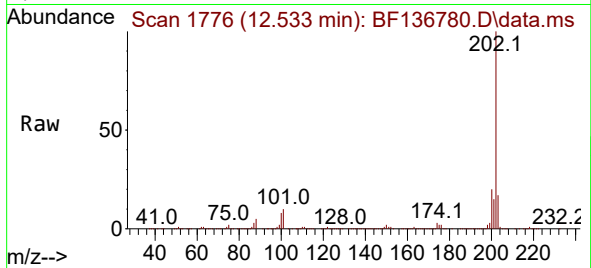




#75
Fluoranthene
Concen: 65.110 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

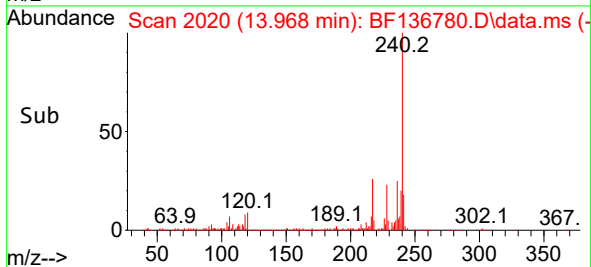
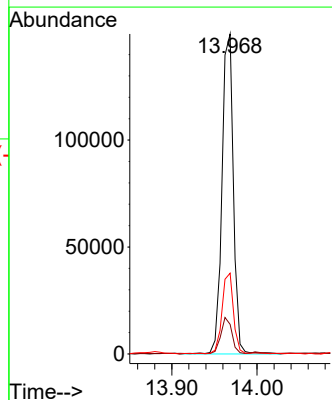
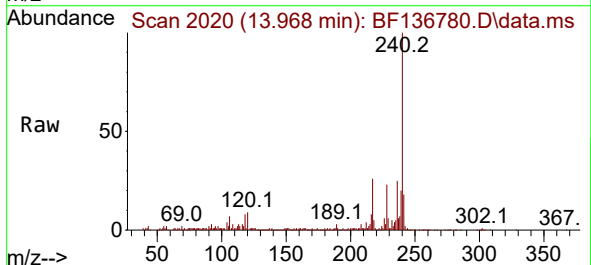
Instrument :
BNA_F
ClientSampleId :
COMP-2

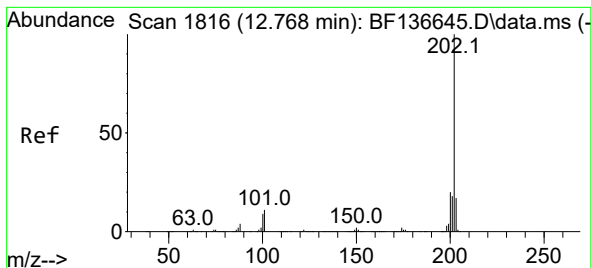
Tgt Ion:202 Resp: 582531
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.3
203 17.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:240 Resp: 138819
Ion Ratio Lower Upper
240 100
120 9.2 10.3 15.5#
236 25.3 19.4 29.2





#78

Pyrene

Concen: 36.181 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

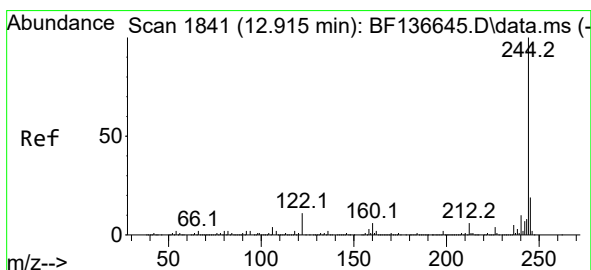
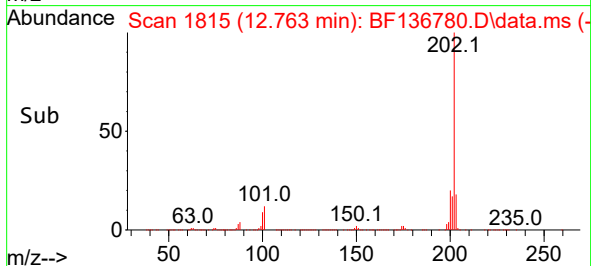
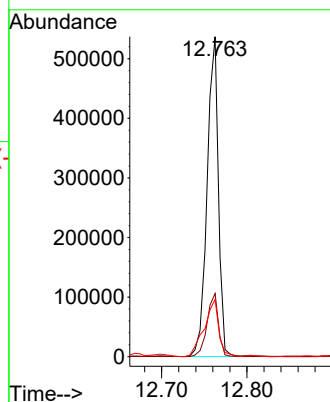
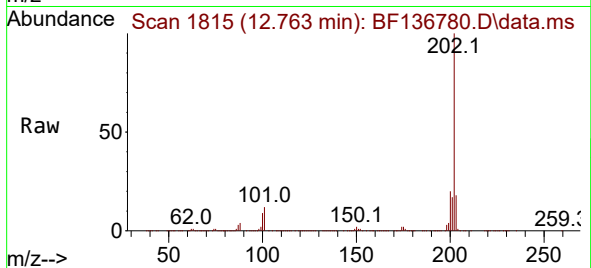
Tgt Ion:202 Resp: 493060

Ion Ratio Lower Upper

202 100

200 19.8 15.9 23.9

203 17.9 13.8 20.6



#79

Terphenyl-d14

Concen: 46.152 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

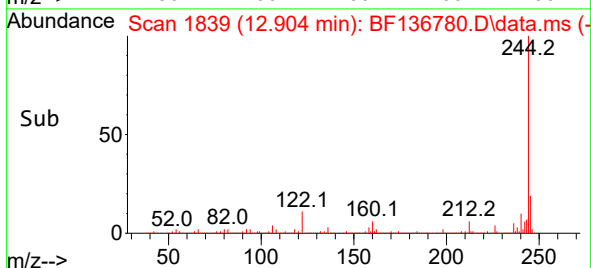
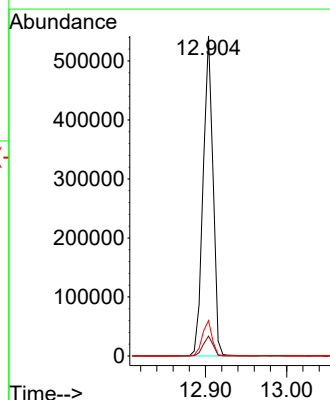
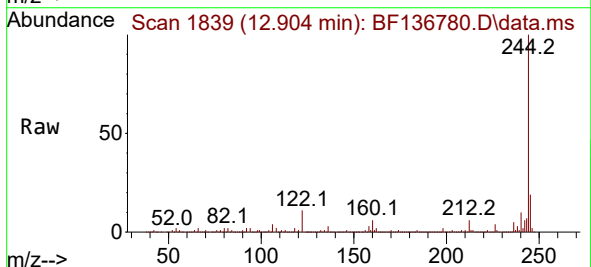
Tgt Ion:244 Resp: 458456

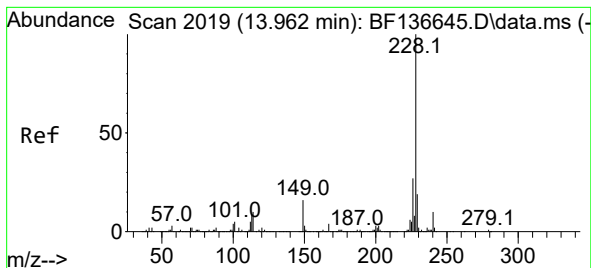
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.1 9.0 13.4





#81

Benzo(a)anthracene

Concen: 27.584 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

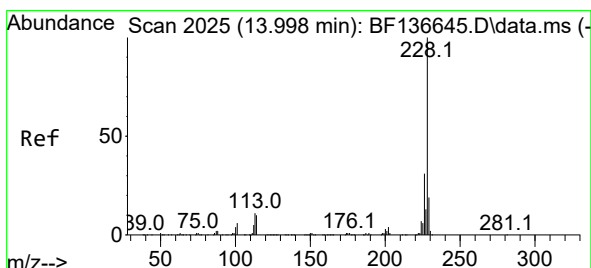
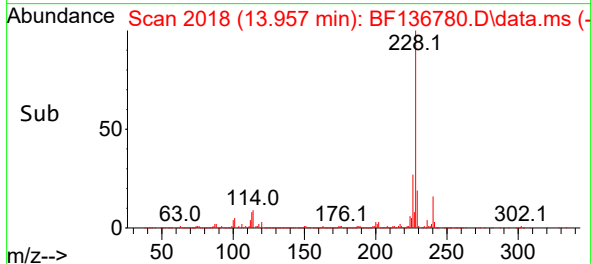
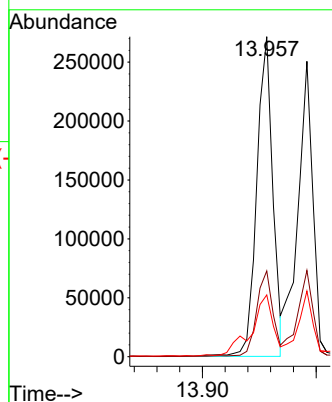
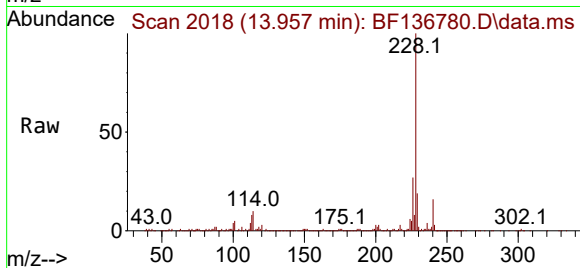
Tgt Ion:228 Resp: 265896

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.0

229 19.3 14.9 22.3



#83

Chrysene

Concen: 22.844 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

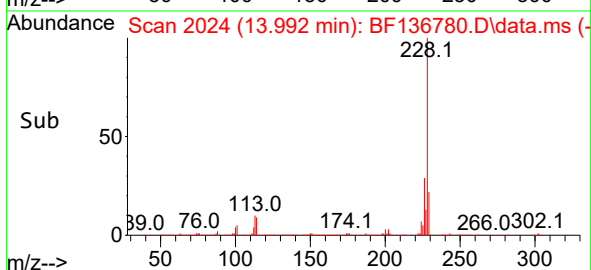
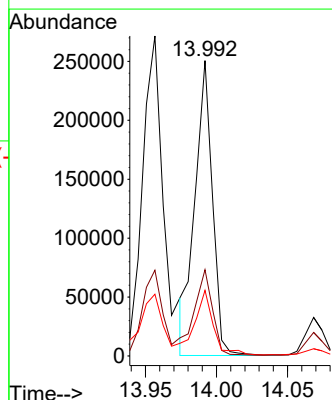
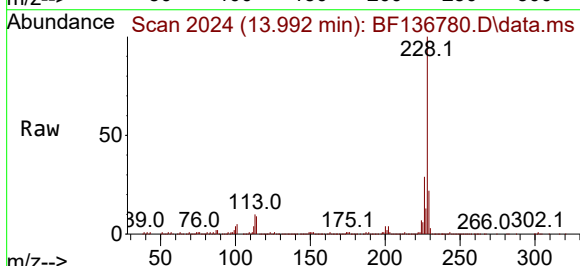
Tgt Ion:228 Resp: 215333

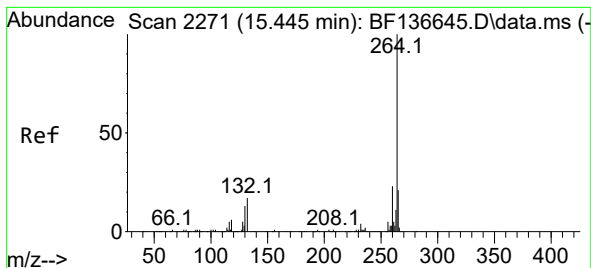
Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

229 22.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

Instrument :

BNA_F

ClientSampleId :

COMP-2

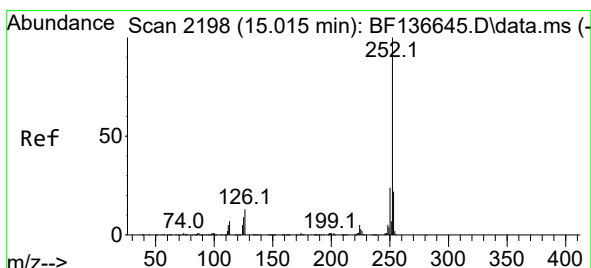
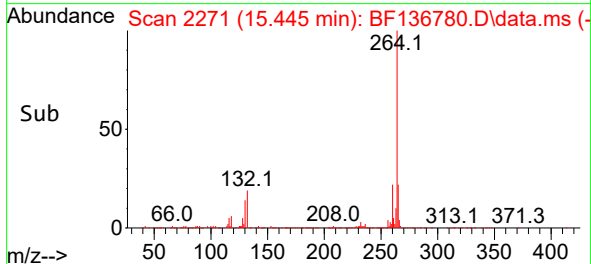
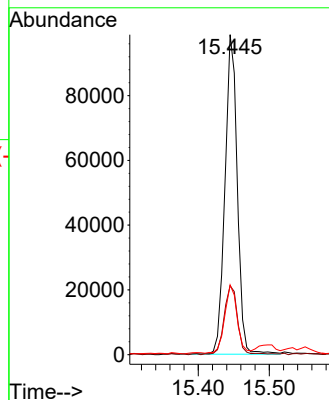
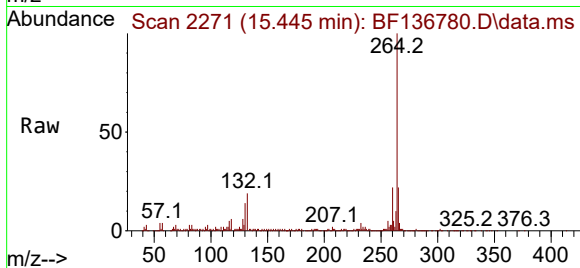
Tgt Ion:264 Resp: 118217

Ion Ratio Lower Upper

264 100

260 21.5 18.3 27.5

265 21.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 41.421 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136780.D

Acq: 28 Dec 2023 02:38

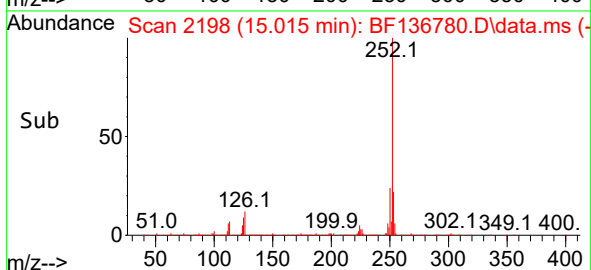
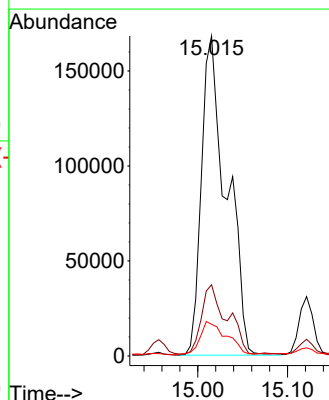
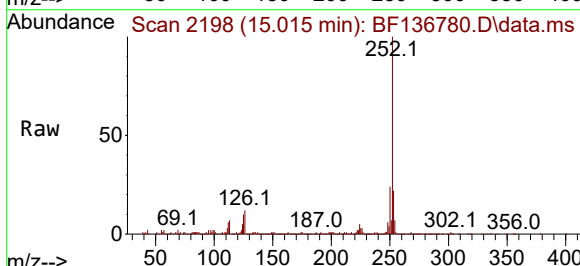
Tgt Ion:252 Resp: 327055

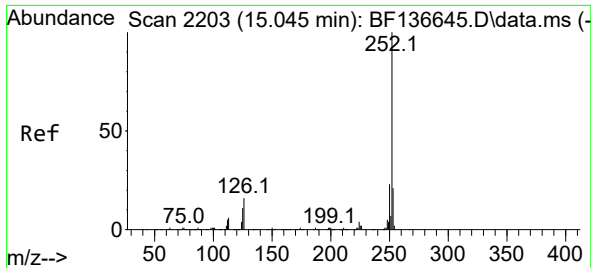
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 9.9 7.4 11.2

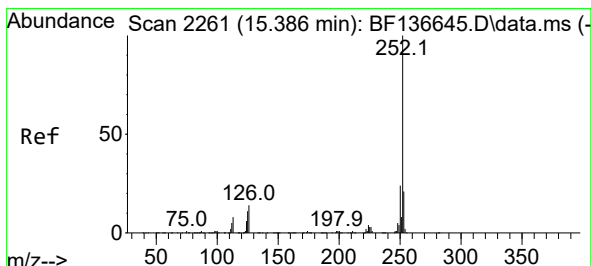
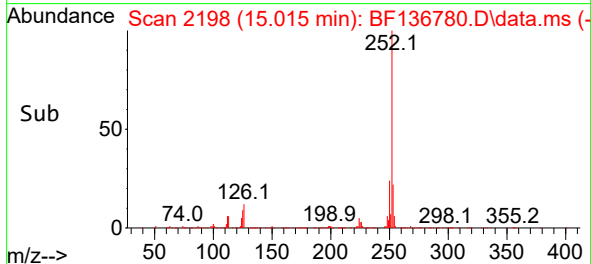
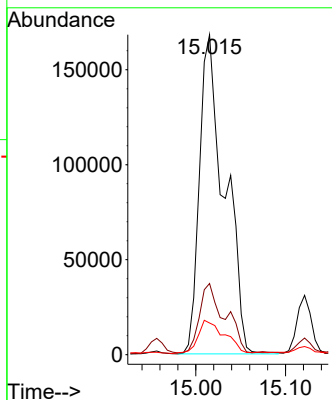
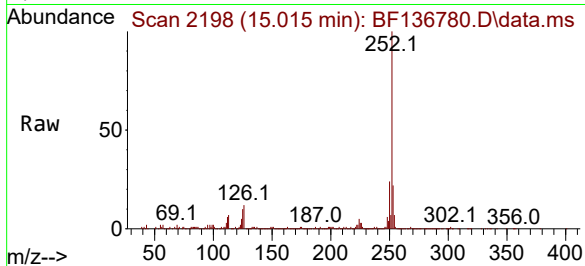




#89
Benzo(k)fluoranthene
Concen: 43.836 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

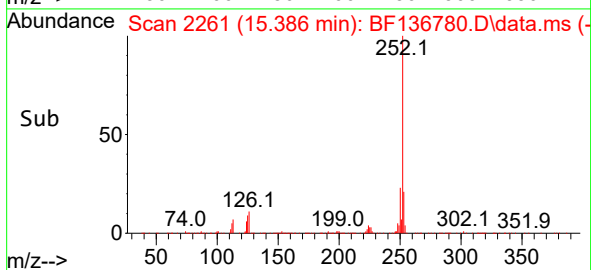
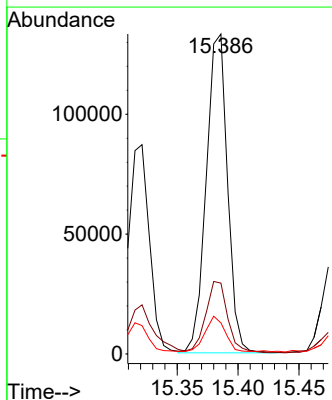
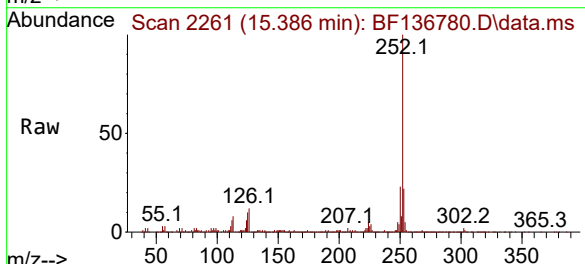
Instrument :
BNA_F
ClientSampleId :
COMP-2

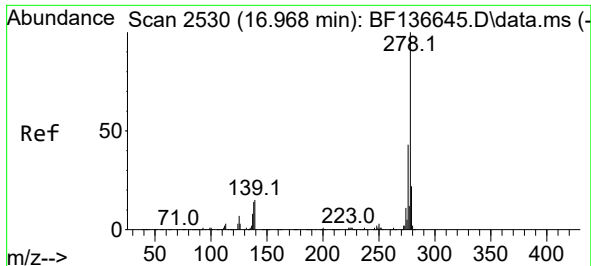
Tgt Ion:252 Resp: 327055
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 9.9 8.2 12.4



#90
Benzo(a)pyrene
Concen: 24.192 ng
RT: 15.386 min Scan# 2261
Delta R.T. 0.000 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:252 Resp: 161236
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 9.7 8.8 13.2

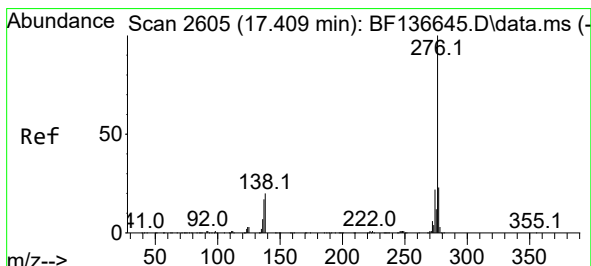
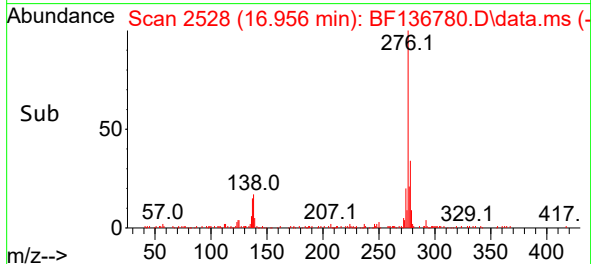
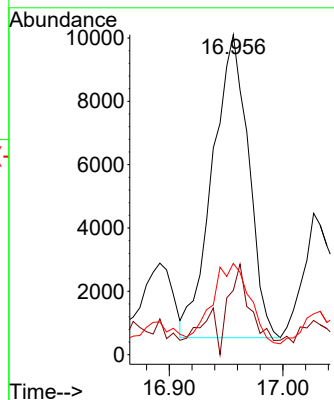
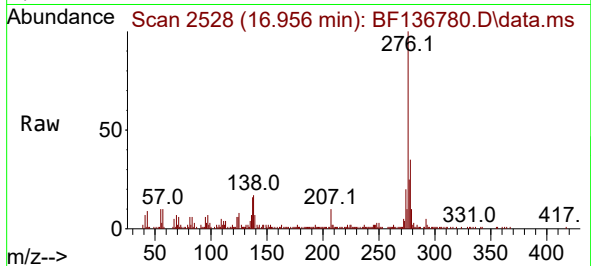




#91
Dibenzo(a,h)anthracene
Concen: 3.010 ng
RT: 16.956 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:278 Resp: 21076
Ion Ratio Lower Upper
278 100
139 20.1 12.2 18.4#
279 28.6 17.8 26.6#



#92
Benzo(g,h,i)perylene
Concen: 10.781 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF136780.D
Acq: 28 Dec 2023 02:38

Tgt Ion:276 Resp: 77320
Ion Ratio Lower Upper
276 100
277 24.0 18.3 27.5
138 20.2 15.6 23.4

