

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136776.D
 Acq On : 28 Dec 2023 00:35
 Operator : CG\JU
 Sample : 05853-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EAST-WALL

Quant Time: Dec 28 01:00:56 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

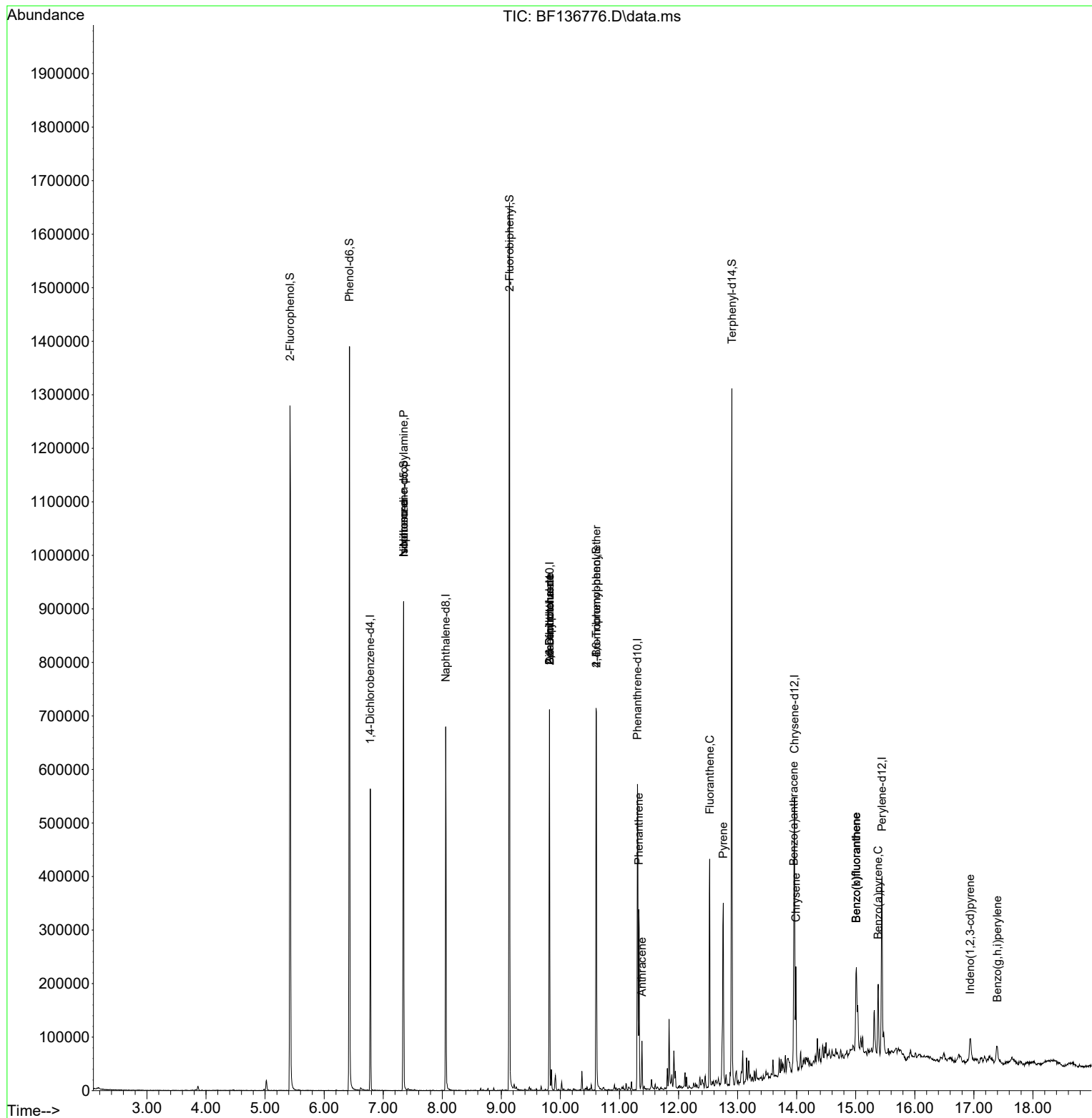
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73255	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	277014	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	131943	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	219652	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	145543	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	159001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	354423	75.490	ng	0.00
7) Phenol-d6	6.428	99	442338	72.710	ng	-0.01
23) Nitrobenzene-d5	7.345	82	275257	50.847	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	95559	61.495	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	555206	56.596	ng	-0.01
79) Terphenyl-d14	12.904	244	440778	42.322	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	35954	9.749	ng	# 73
25) Isophorone	7.345	82	275255	27.943	ng	# 65
50) Dimethylphthalate	9.816	163	26468	2.746	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17194	7.861	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	17194	6.055	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	5366	2.200	ng	# 1
71) Phenanthrene	11.328	178	122115	10.835	ng	99
72) Anthracene	11.380	178	31033	2.719	ng	97
75) Fluoranthene	12.527	202	173088	14.358	ng	100
78) Pyrene	12.757	202	147628	10.333	ng	98
81) Benzo(a)anthracene	13.951	228	84713	8.382	ng	99
83) Chrysene	13.986	228	68471	6.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	30323	2.641	ng	99
88) Benzo(b)fluoranthene	15.010	252	116286	10.950	ng	97
89) Benzo(k)fluoranthene	15.010	252	116286	11.588	ng	98
90) Benzo(a)pyrene	15.380	252	61325	6.841	ng	96
92) Benzo(g,h,i)perylene	17.398	276	26208	2.717	ng	98

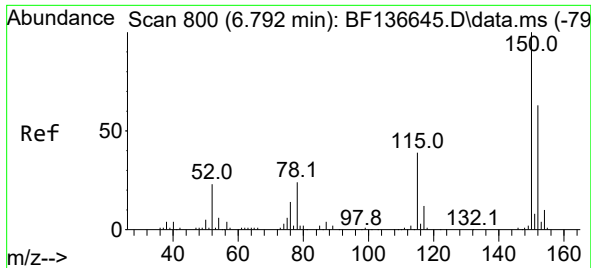
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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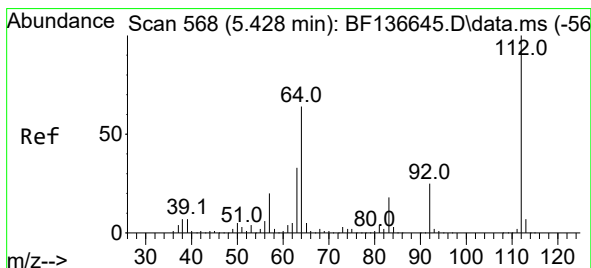
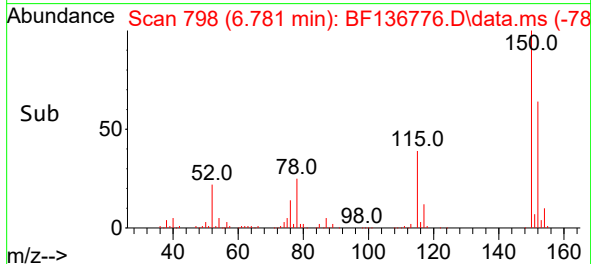
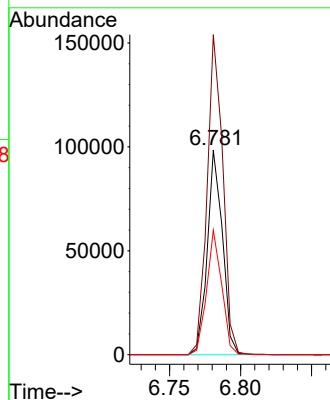
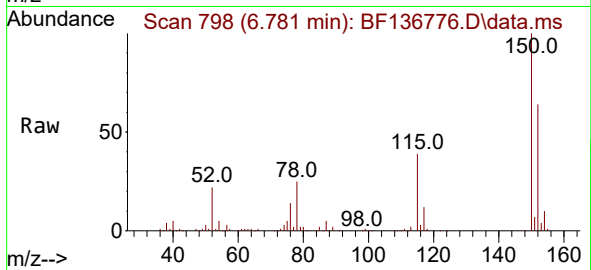




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

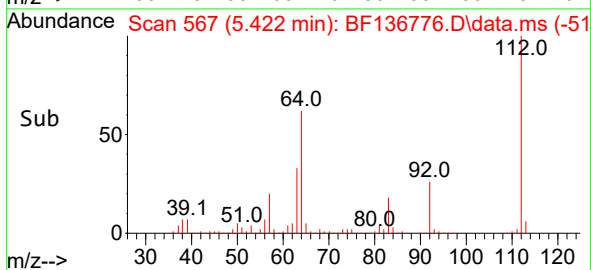
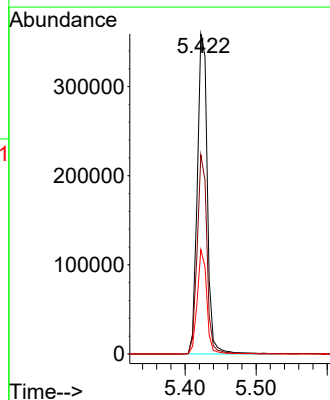
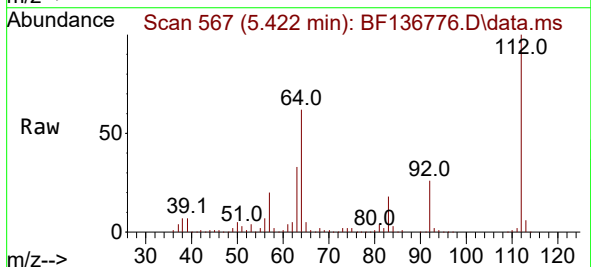
Instrument :
BNA_F
ClientSampleId :
EAST-WALL

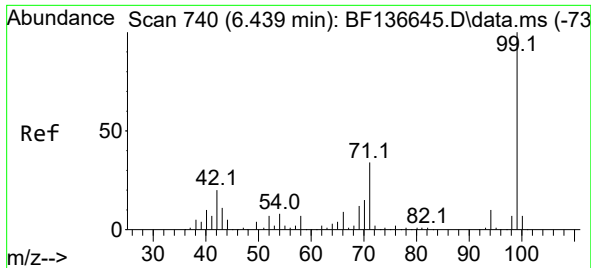
Tgt Ion:152 Resp: 73255
Ion Ratio Lower Upper
152 100
150 156.5 127.0 190.6
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 75.490 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:112 Resp: 354423
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 32.6 26.1 39.1

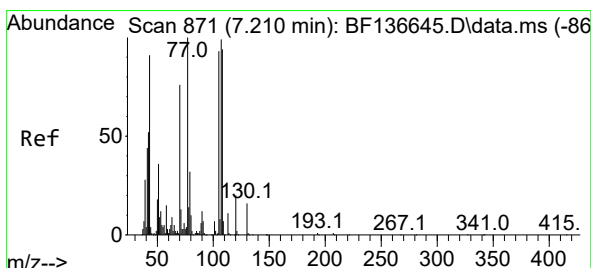
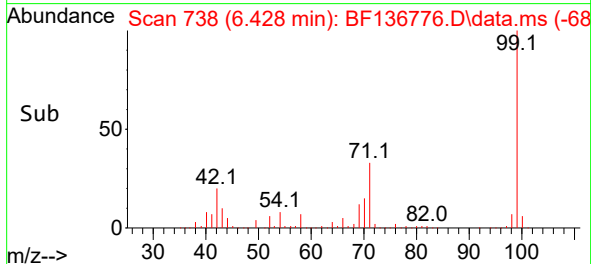
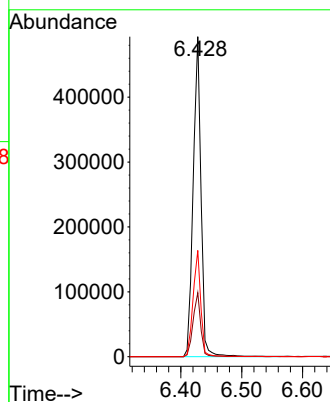
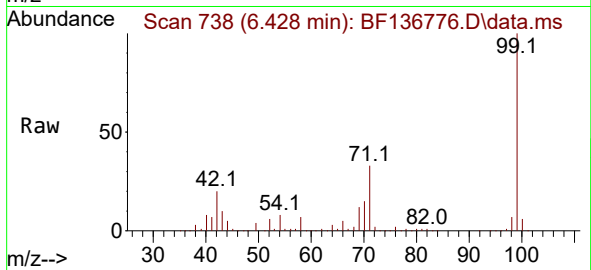




#7
Phenol-d6
Concen: 72.710 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

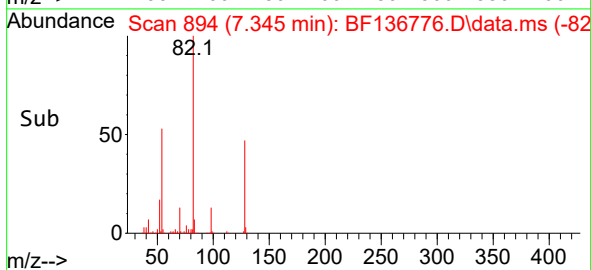
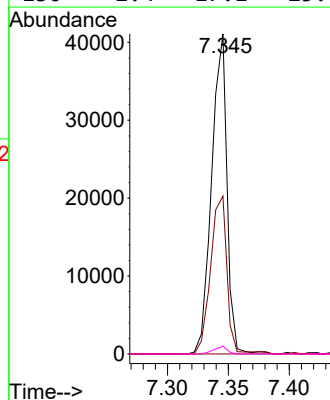
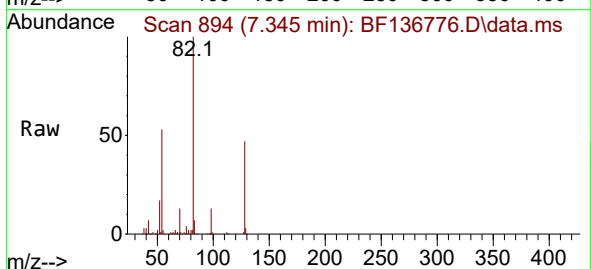
Instrument :
BNA_F
ClientSampleId :
EAST-WALL

Tgt Ion: 99 Resp: 442338
Ion Ratio Lower Upper
99 100
42 20.0 16.1 24.1
71 33.2 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.749 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion: 70 Resp: 35954
Ion Ratio Lower Upper
70 100
42 49.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.4 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: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

Tgt Ion:136 Resp: 277014

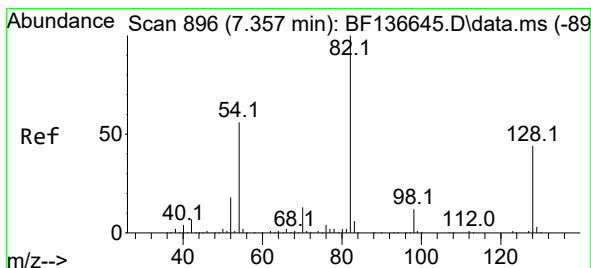
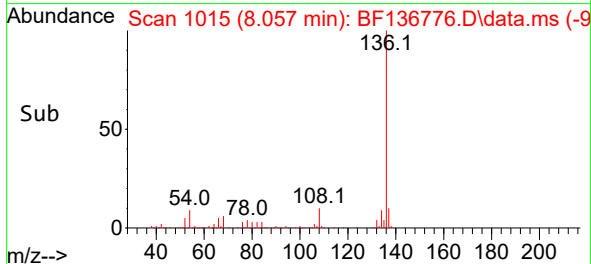
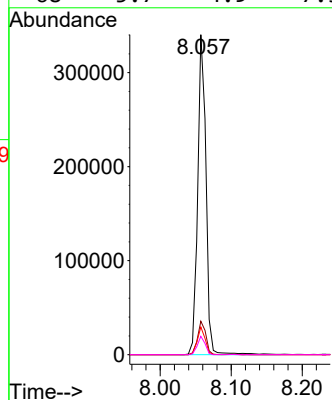
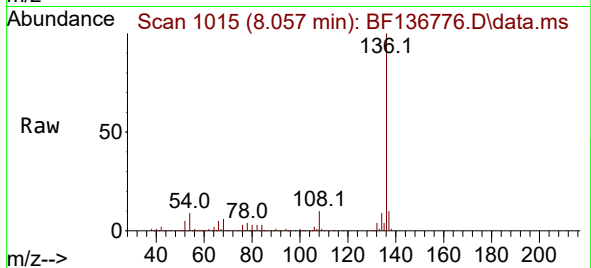
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 8.7 7.2 10.8

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 50.847 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

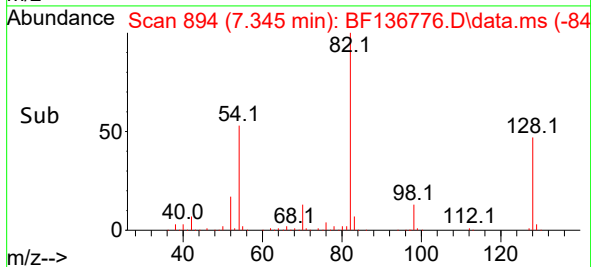
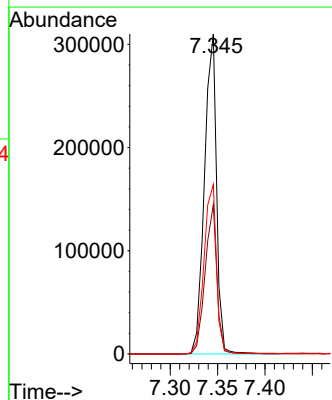
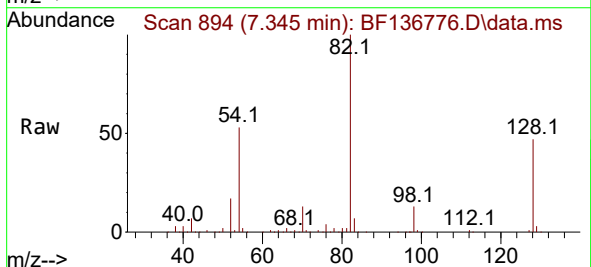
Tgt Ion: 82 Resp: 275257

Ion Ratio Lower Upper

82 100

128 46.6 35.3 52.9

54 53.0 44.5 66.7

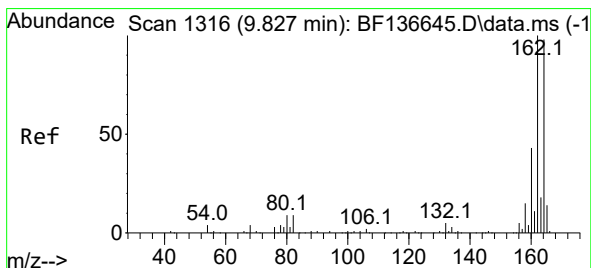
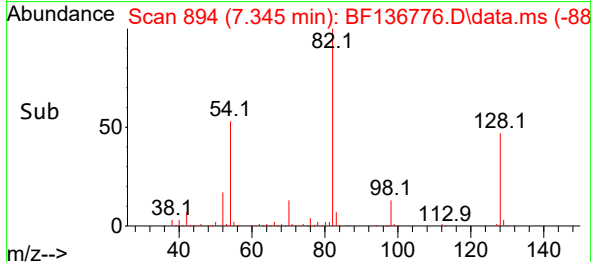
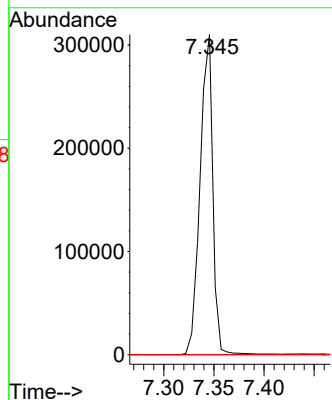
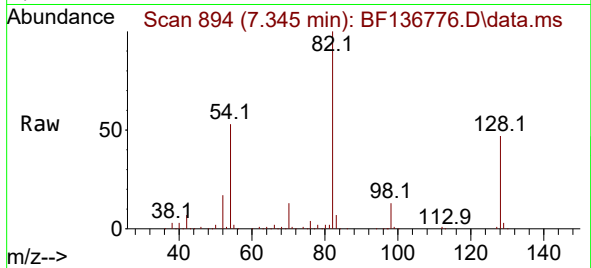




#25
Isophorone
Concen: 27.943 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

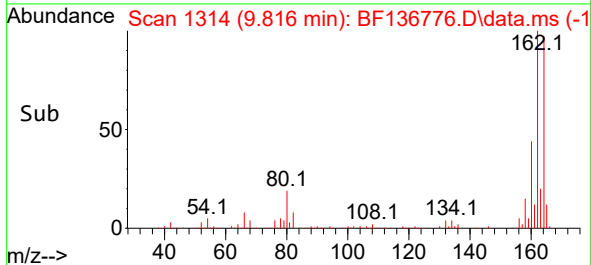
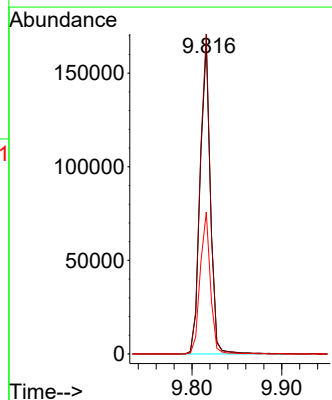
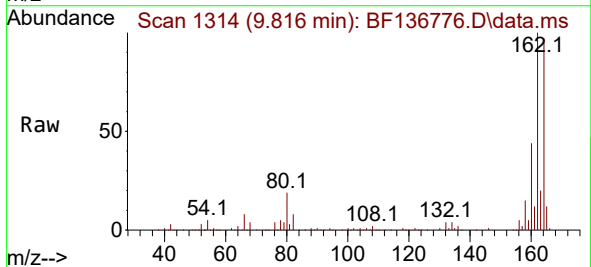
Instrument :
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Tgt Ion: 82 Resp: 275255
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

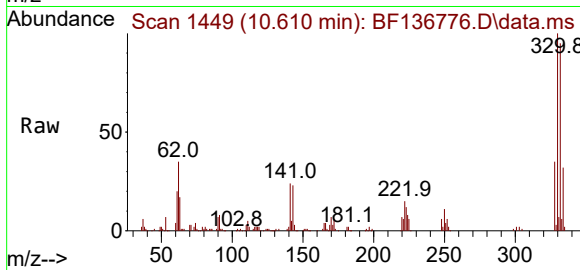
Tgt Ion:164 Resp: 131943
Ion Ratio Lower Upper
164 100
162 103.4 81.6 122.4
160 45.8 34.9 52.3



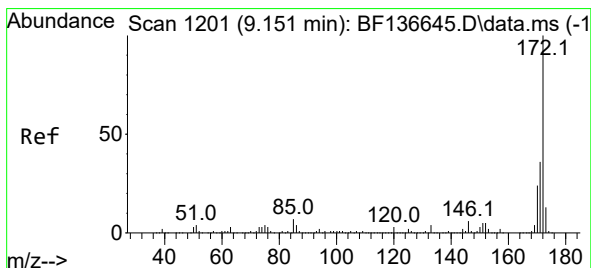
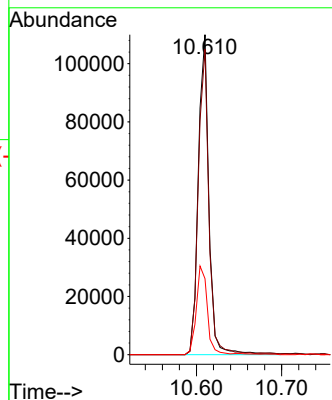
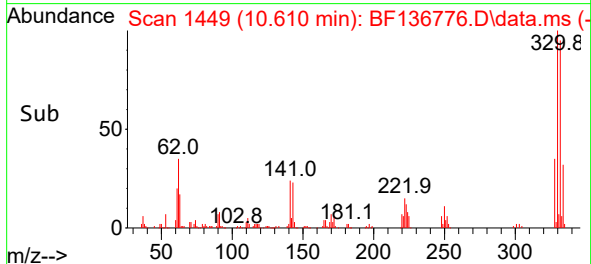


#42
2,4,6-Tribromophenol
Concen: 61.495 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Instrument :
BNA_F
ClientSampleId :
EAST-WALL

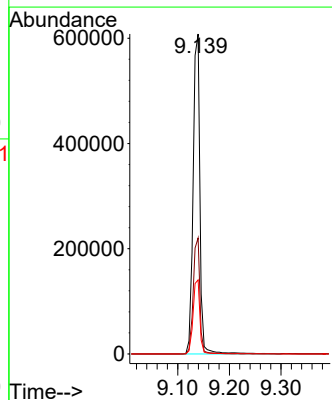
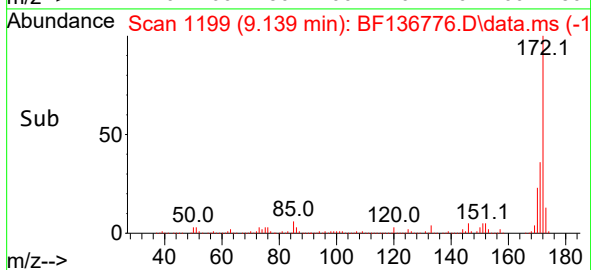
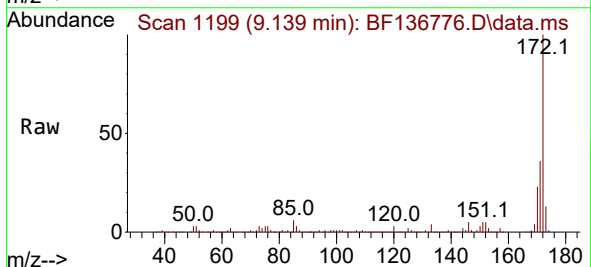


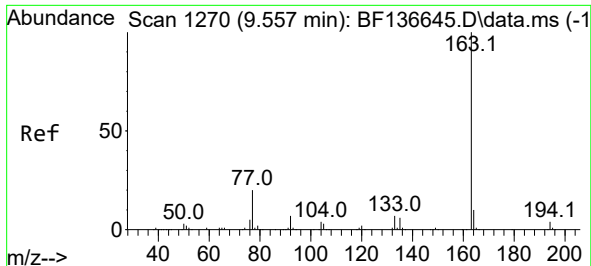
Tgt Ion:330 Resp: 95559
Ion Ratio Lower Upper
330 100
332 94.9 77.4 116.0
141 29.3 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 56.596 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:172 Resp: 555206
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 23.2 19.0 28.4

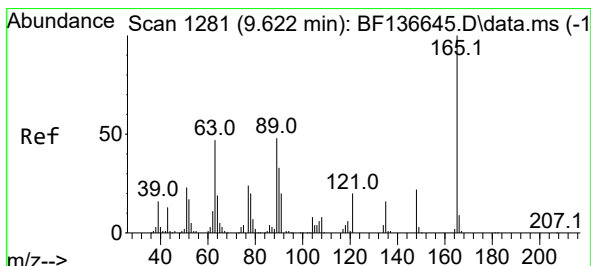
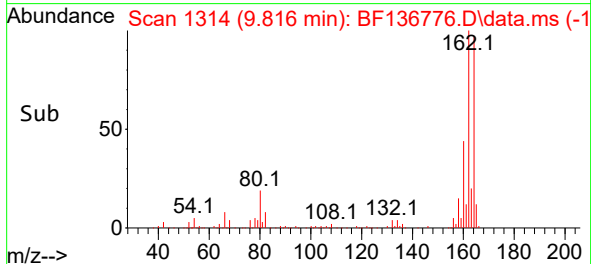
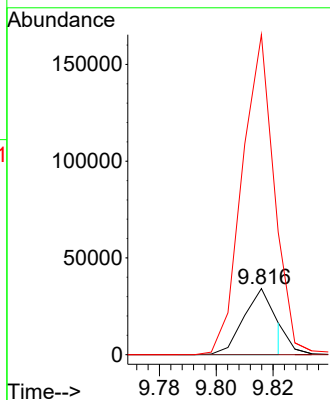
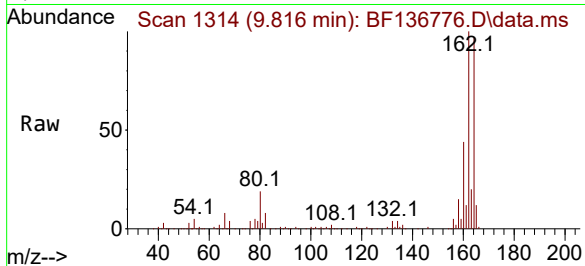




#50
Dimethylphthalate
Concen: 2.746 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

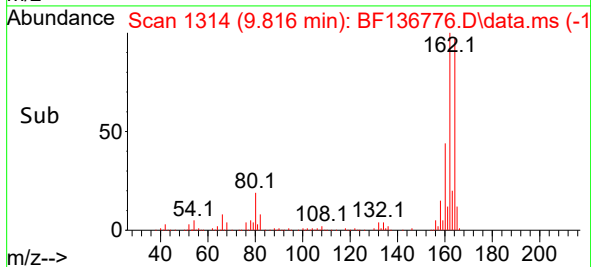
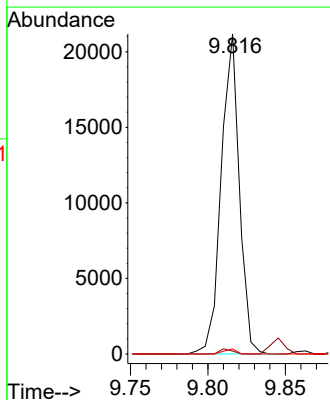
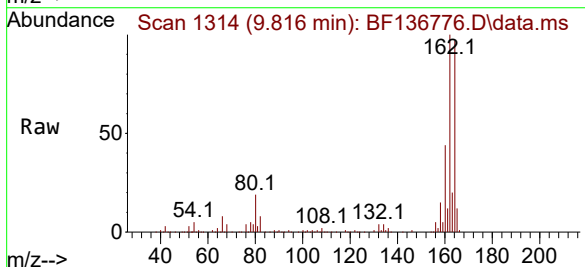
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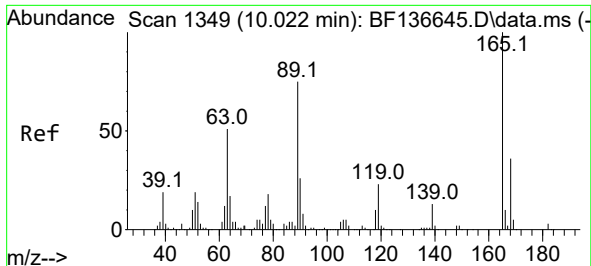
Tgt Ion:163 Resp: 26468
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 484.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.861 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:165 Resp: 17194
Ion Ratio Lower Upper
165 100
63 0.9 39.8 59.6#
89 1.6 38.8 58.2#

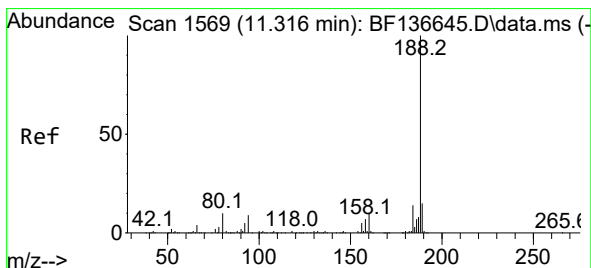
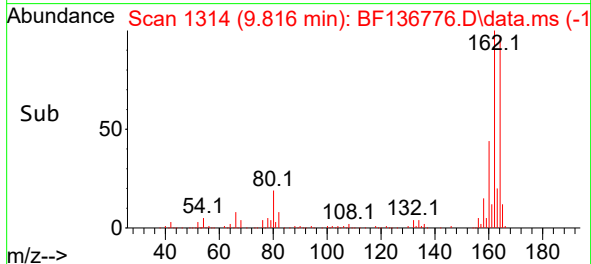
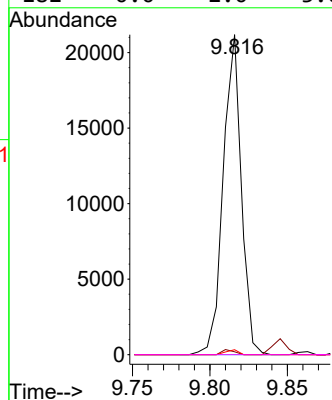
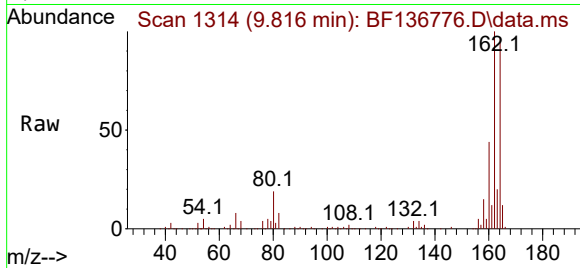




#57
2,4-Dinitrotoluene
Concen: 6.055 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

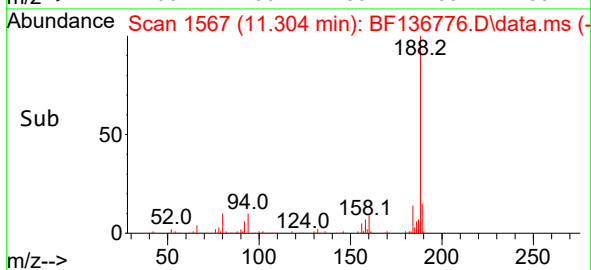
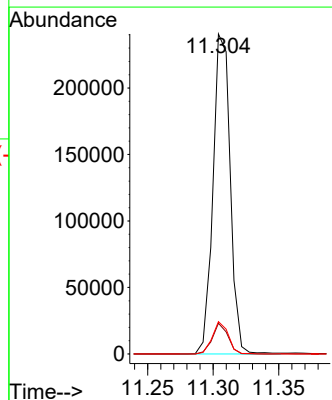
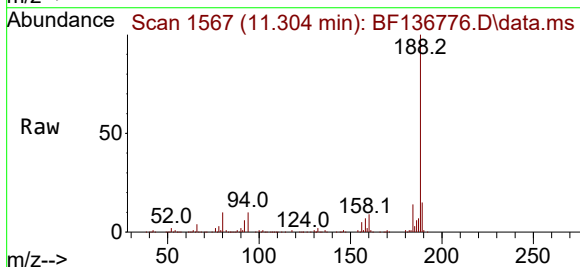
Instrument :
BNA_F
ClientSampleId :
EAST-WALL

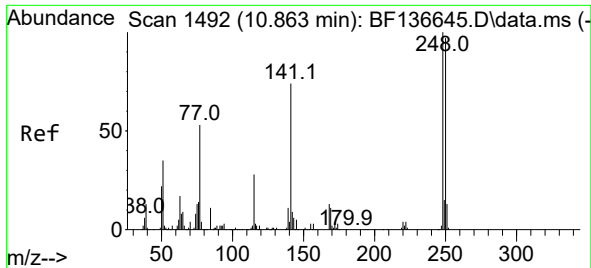
Tgt Ion:165 Resp: 17194
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.6#
89 1.6 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:188 Resp: 219652
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.1 8.1 12.1

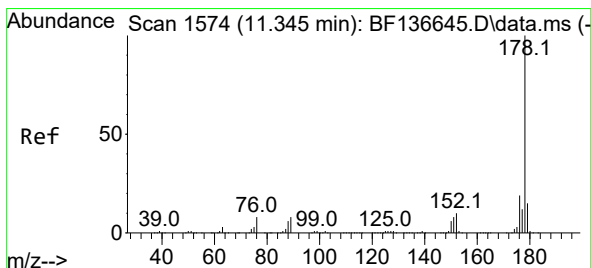
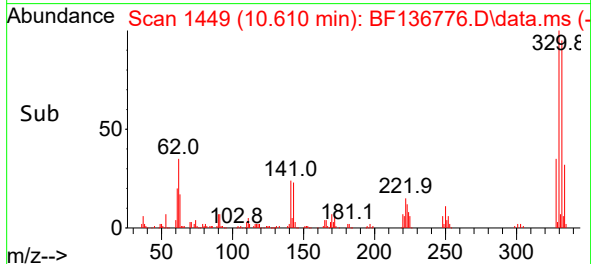
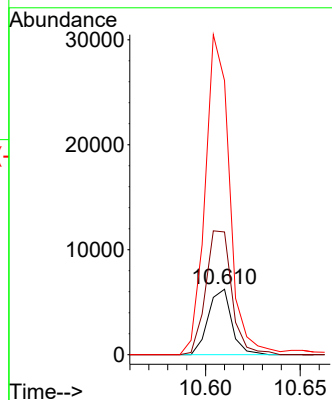
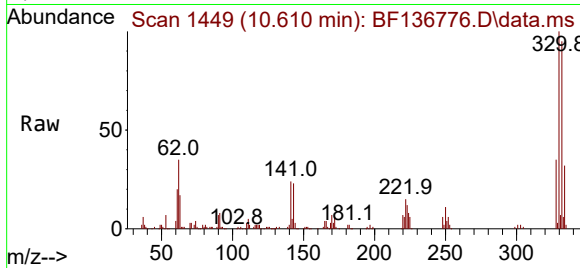




#67
4-Bromophenyl-phenylether
Concen: 2.200 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

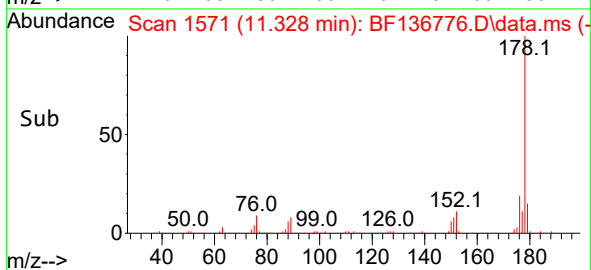
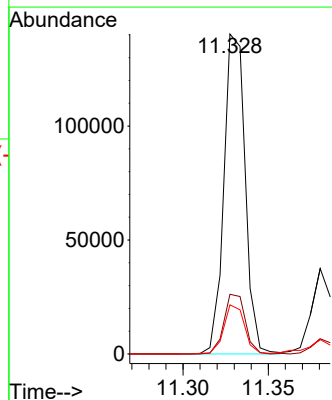
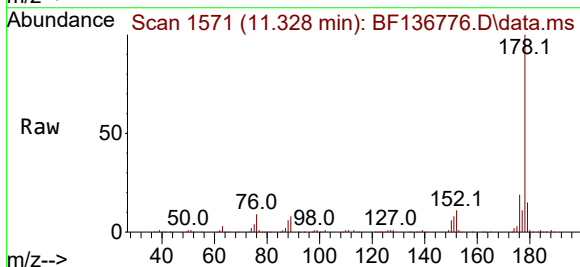
Instrument :
BNA_F
ClientSampleId :
EAST-WALL

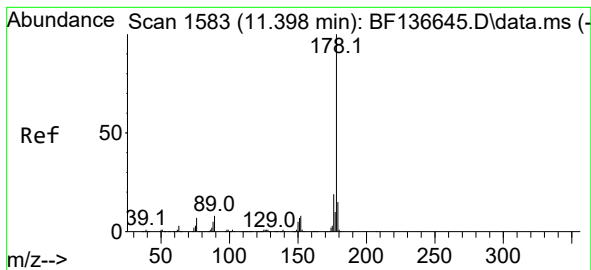
Tgt Ion:248 Resp: 5366
Ion Ratio Lower Upper
248 100
250 187.7 77.8 116.6#
141 419.2 59.2 88.8#



#71
Phenanthrene
Concen: 10.835 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.017 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:178 Resp: 122115
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.4 11.9 17.9





#72

Anthracene

Concen: 2.719 ng

RT: 11.380 min Scan# 1583

Delta R.T. -0.017 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

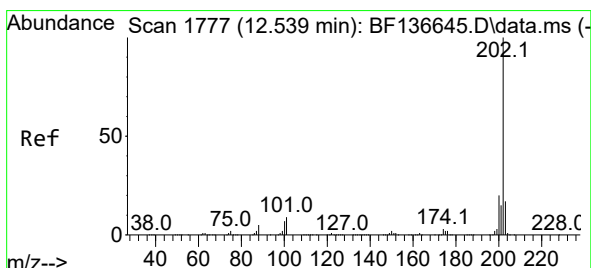
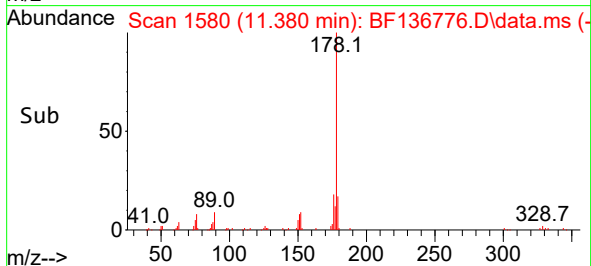
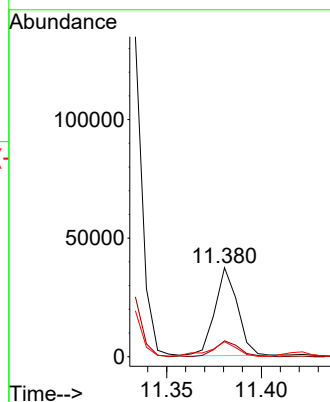
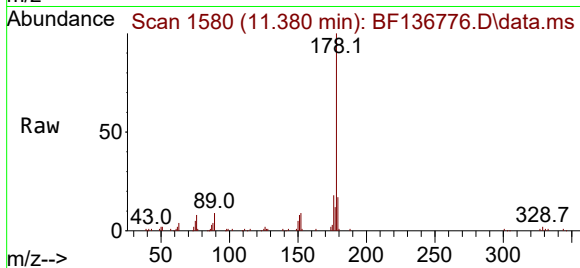
Tgt Ion:178 Resp: 31033

Ion Ratio Lower Upper

178 100

176 17.8 14.9 22.3

179 16.9 11.8 17.6



#75

Fluoranthene

Concen: 14.358 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

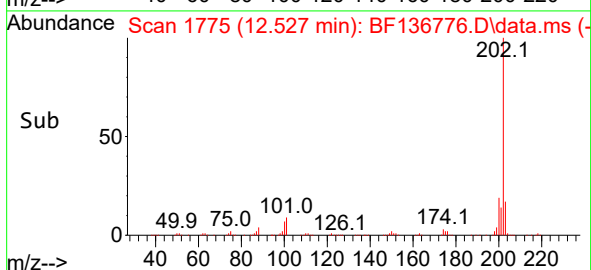
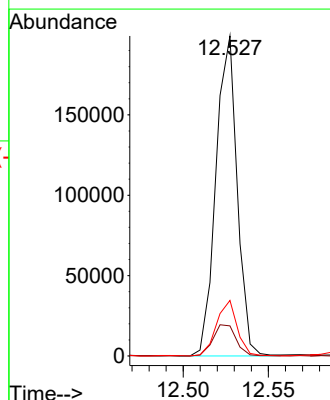
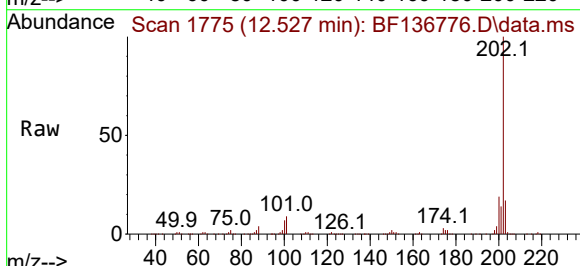
Tgt Ion:202 Resp: 173088

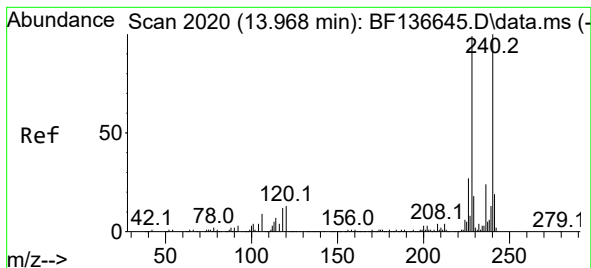
Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

203 17.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

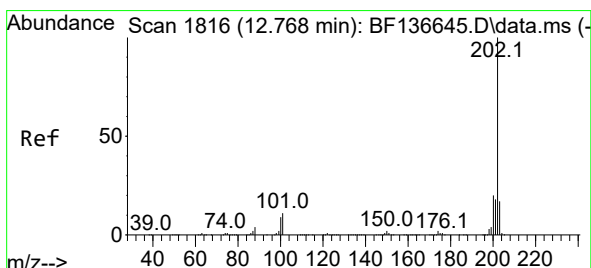
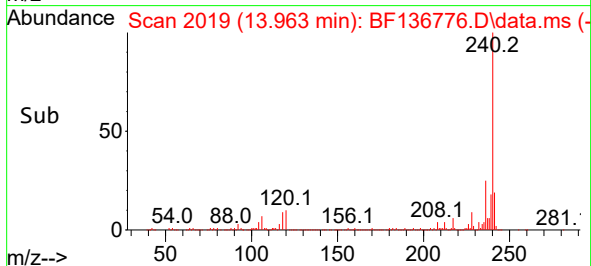
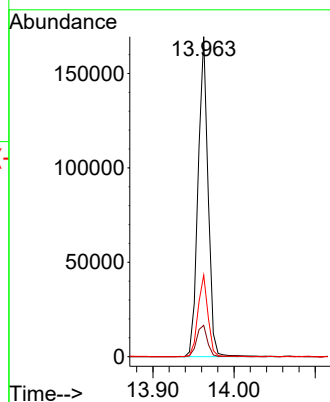
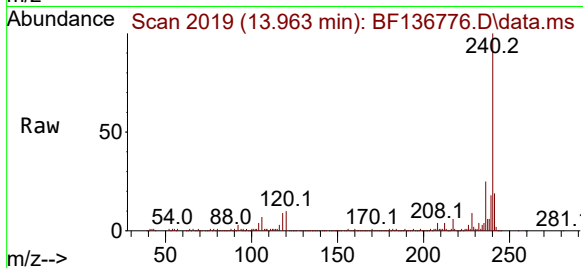
Tgt Ion:240 Resp: 145543

Ion Ratio Lower Upper

240 100

120 9.8 10.3 15.5#

236 25.5 19.4 29.2



#78

Pyrene

Concen: 10.333 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

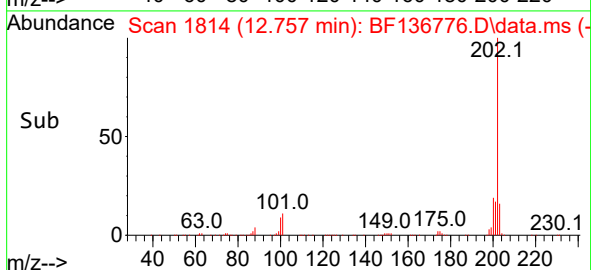
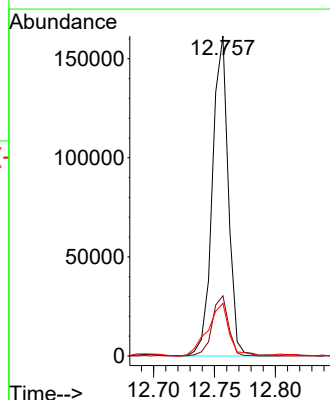
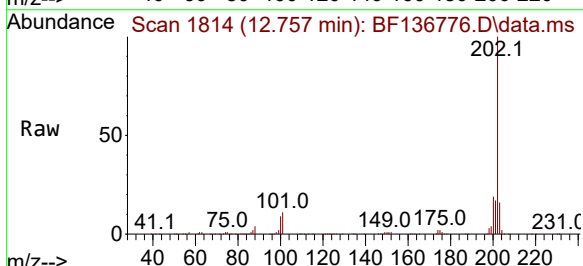
Tgt Ion:202 Resp: 147628

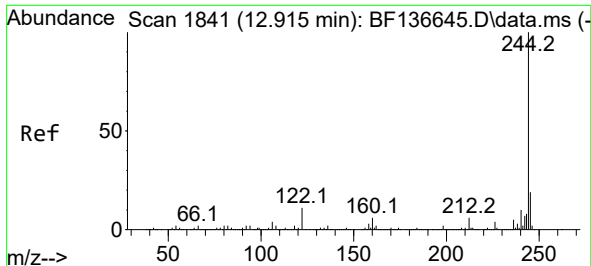
Ion Ratio Lower Upper

202 100

200 18.8 15.9 23.9

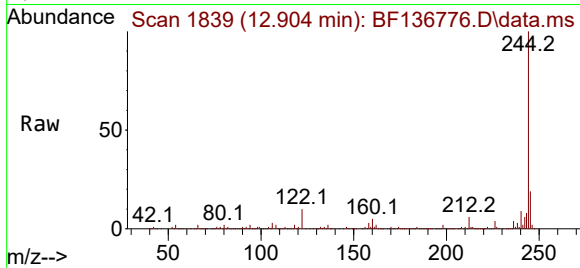
203 16.4 13.8 20.6



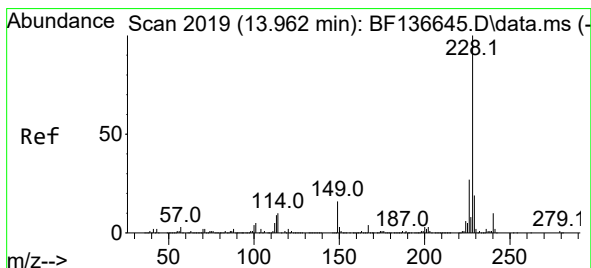
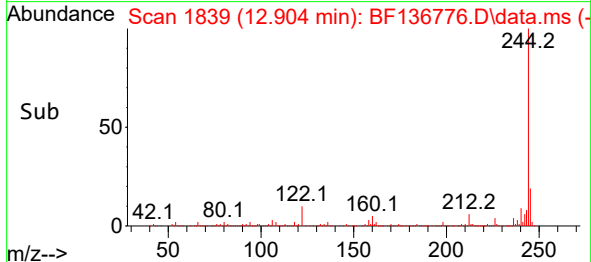
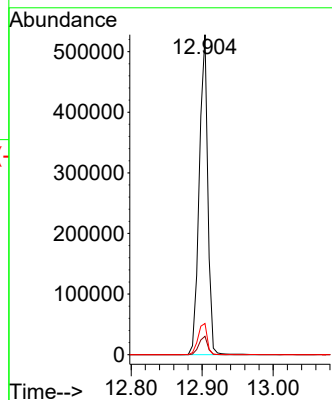


#79
 Terphenyl-d14
 Concen: 42.322 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136776.D
 Acq: 28 Dec 2023 00:35

Instrument :
 BNA_F
 ClientSampleId :
 EAST-WALL

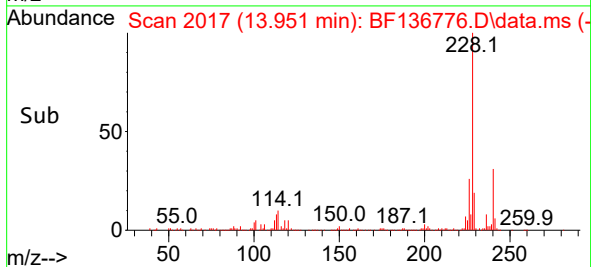
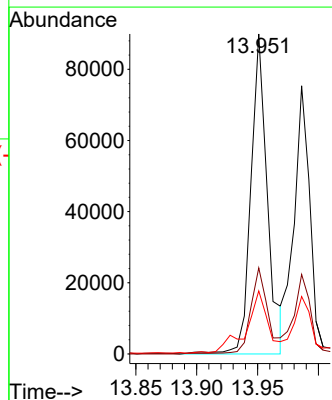
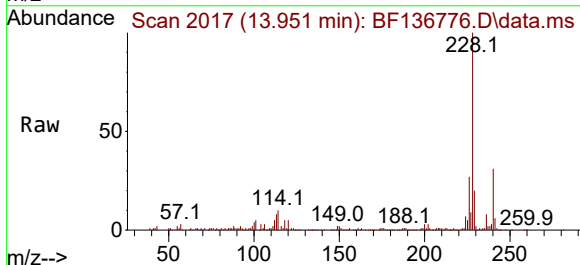


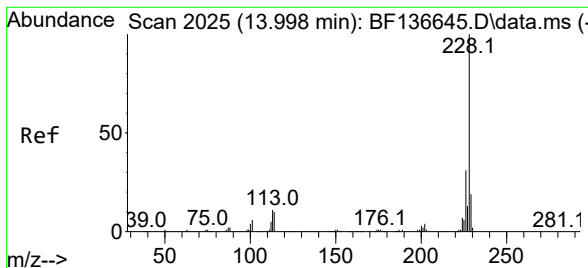
Tgt Ion:244 Resp: 440778
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 9.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 8.382 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136776.D
 Acq: 28 Dec 2023 00:35

Tgt Ion:228 Resp: 84713
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.4 32.0
 229 19.7 14.9 22.3





#83

Chrysene

Concen: 6.928 ng

RT: 13.986 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

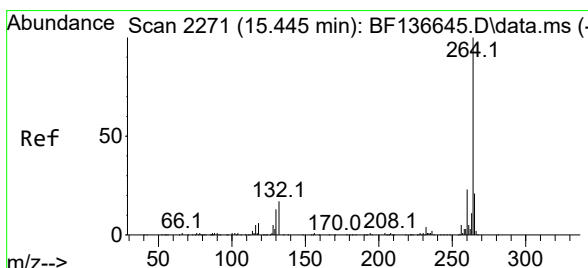
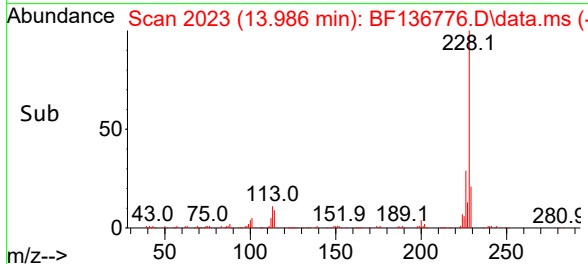
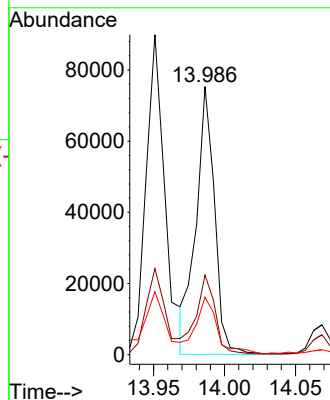
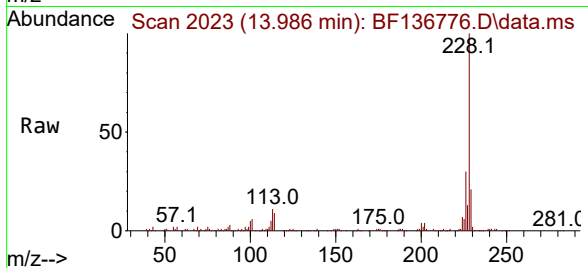
Tgt Ion:228 Resp: 68471

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

229 21.4 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

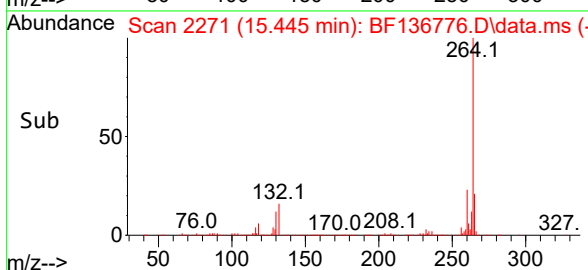
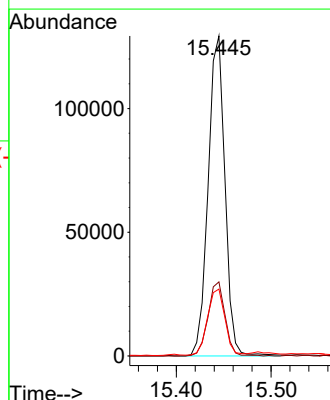
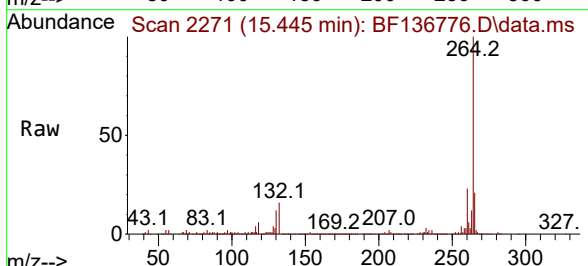
Tgt Ion:264 Resp: 159001

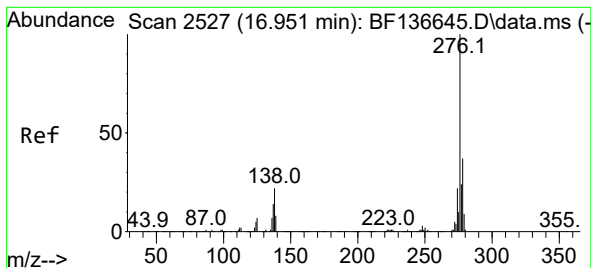
Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 20.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.641 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

Instrument :

BNA_F

ClientSampleId :

EAST-WALL

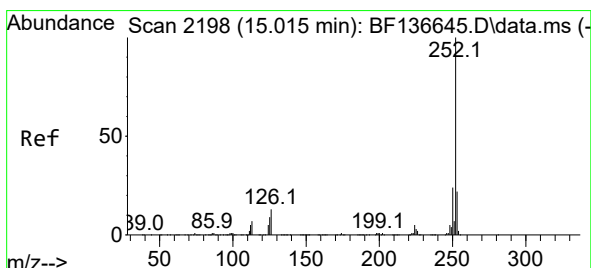
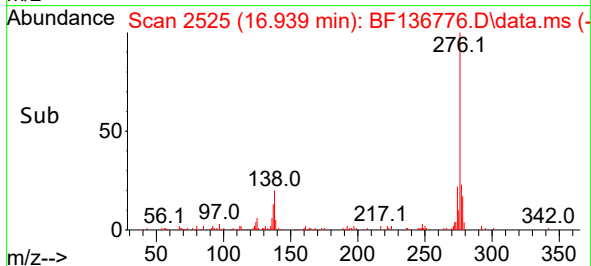
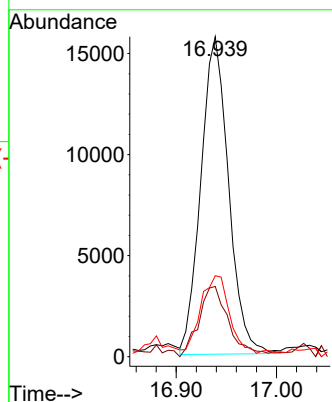
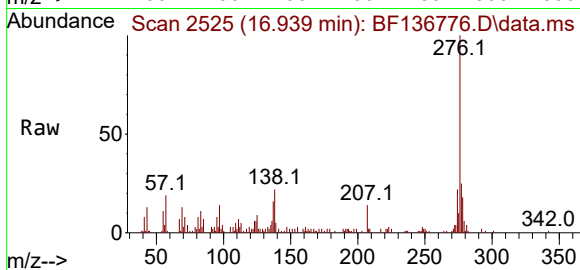
Tgt Ion:276 Resp: 30323

Ion Ratio Lower Upper

276 100

138 23.9 18.7 28.1

277 24.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 10.950 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136776.D

Acq: 28 Dec 2023 00:35

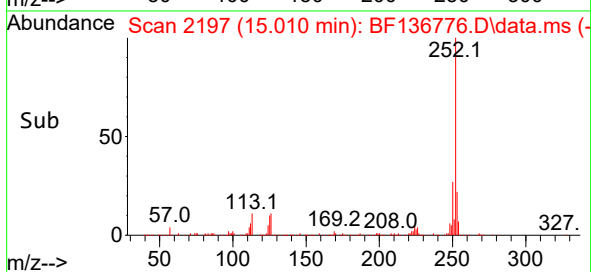
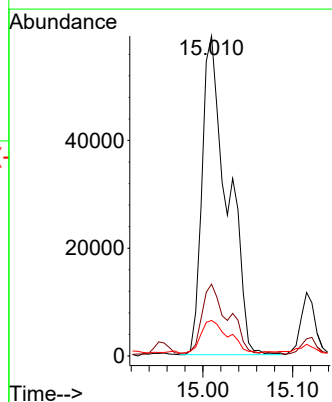
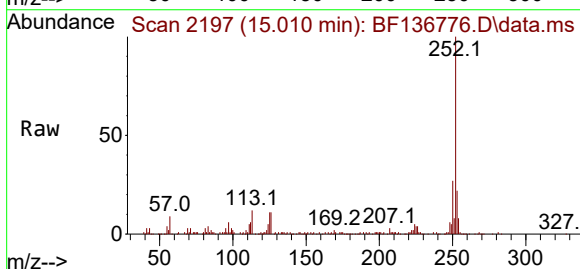
Tgt Ion:252 Resp: 116286

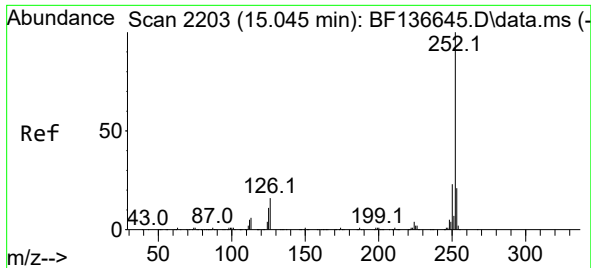
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 11.1 7.4 11.2

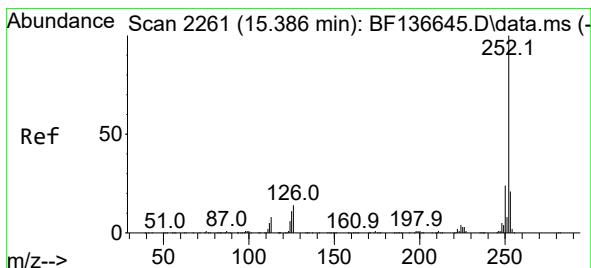
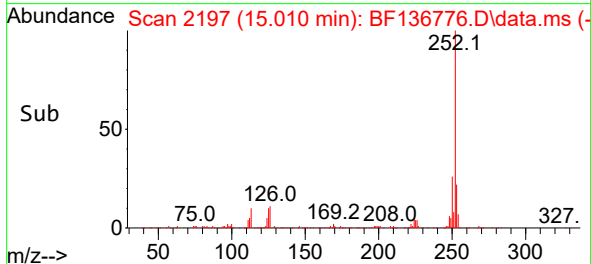
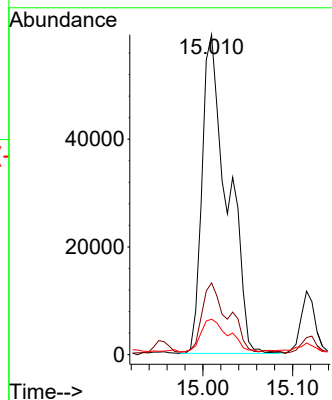
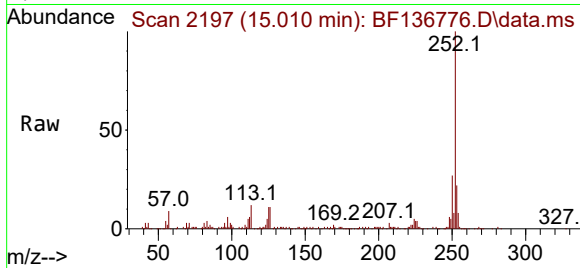




#89
Benzo(k)fluoranthene
Concen: 11.588 ng
RT: 15.010 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

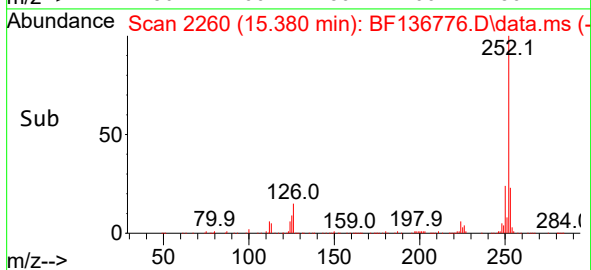
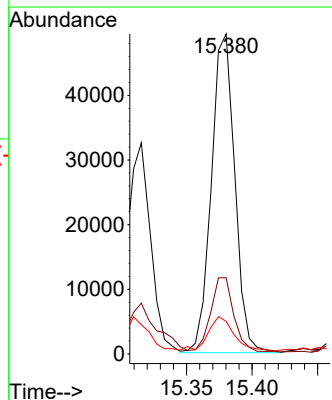
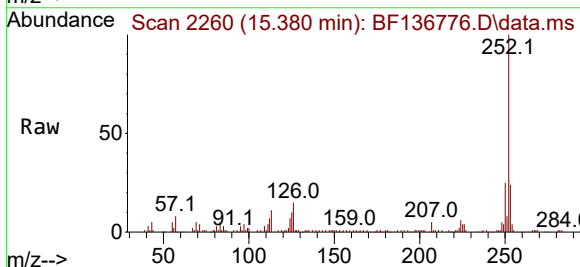
Instrument :
BNA_F
ClientSampleId :
EAST-WALL

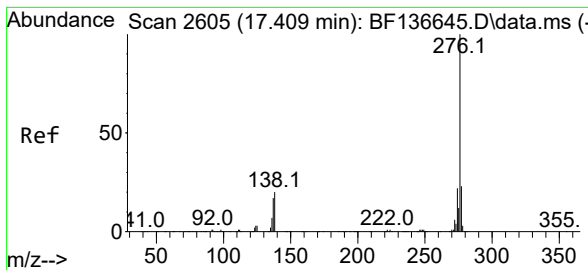
Tgt Ion:252 Resp: 116286
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 11.1 8.2 12.4



#90
Benzo(a)pyrene
Concen: 6.841 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136776.D
Acq: 28 Dec 2023 00:35

Tgt Ion:252 Resp: 61325
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 10.2 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.717 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136776.D
 Acq: 28 Dec 2023 00:35

Instrument :
 BNA_F
 ClientSampleId :
 EAST-WALL

Tgt Ion:	276	Resp:	26208
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.3	27.5
138	20.4	15.6	23.4

