

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136708.D
 Acq On : 23 Dec 2023 03:20
 Operator : CG\JU
 Sample : 05940-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 03:46:07 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)

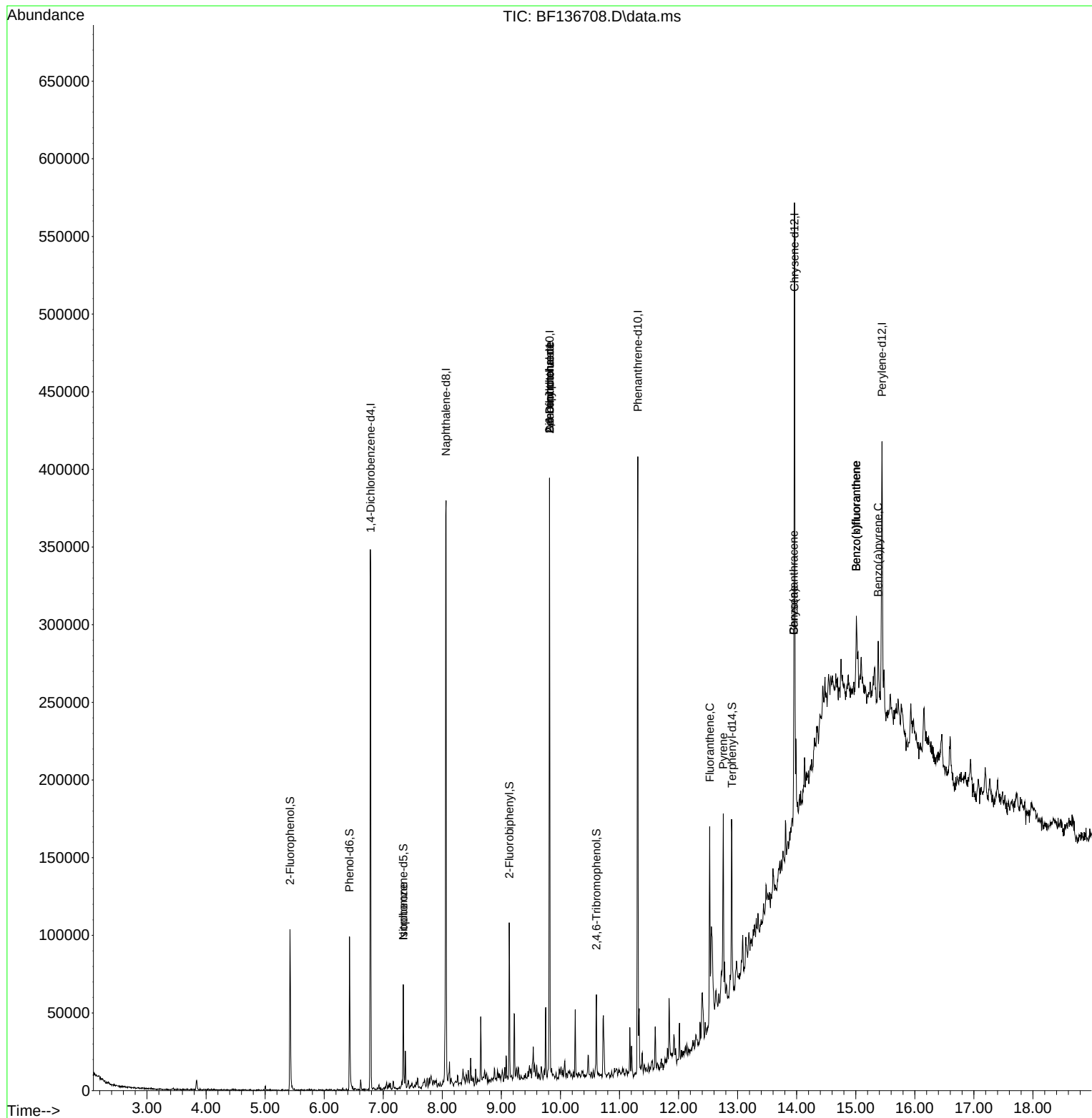
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	53614	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	166606	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	69415	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	143923	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	115802	20.000	ng	0.00
86) Perylene-d12	15.445	264	80563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	27628	8.040	ng	0.00
7) Phenol-d6	6.428	99	31531	7.082	ng	-0.01
23) Nitrobenzene-d5	7.339	82	18103	5.560	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	6303	7.710	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	30380	5.886	ng	-0.02
79) Terphenyl-d14	12.904	244	37183	4.487	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.339	82	18102	3.056	ng	# 65
50) Dimethylphthalate	9.816	163	13891	2.740	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	8789	7.638	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	8789	5.884	ng	# 20
75) Fluoranthene	12.527	202	46588	5.898	ng	99
78) Pyrene	12.757	202	46524	4.093	ng	97
81) Benzo(a)anthracene	13.951	228	22782	2.833	ng	95
83) Chrysene	13.951	228	22782	2.897	ng	96
88) Benzo(b)fluoranthene	15.009	252	27157	5.047	ng	# 83
89) Benzo(k)fluoranthene	15.009	252	27157	5.341	ng	# 82
90) Benzo(a)pyrene	15.380	252	14607	3.216	ng	# 78

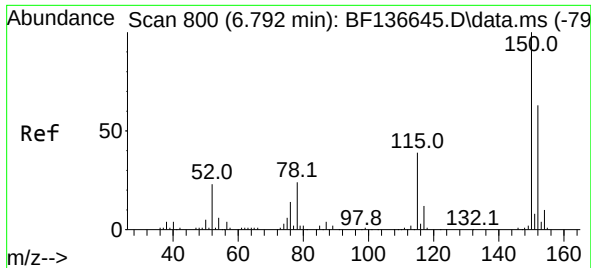
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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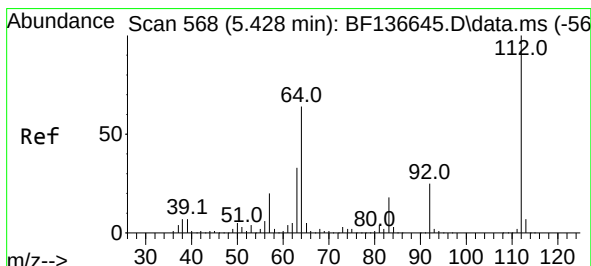
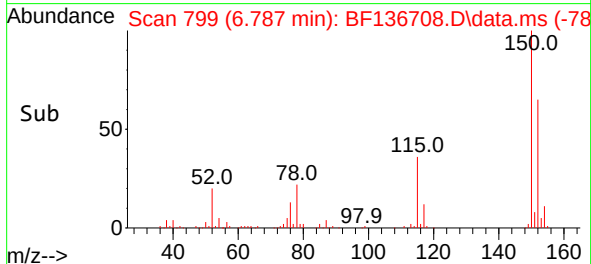
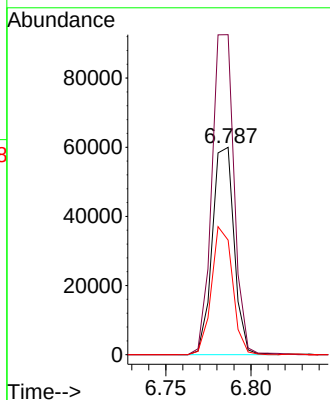
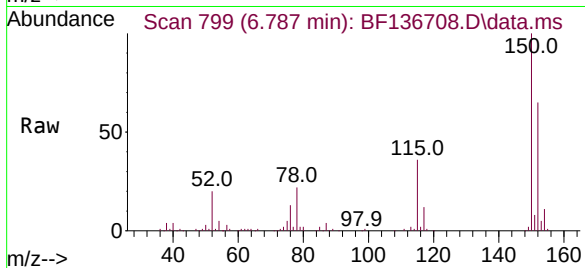




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF136708.D
 Acq: 23 Dec 2023 03:20

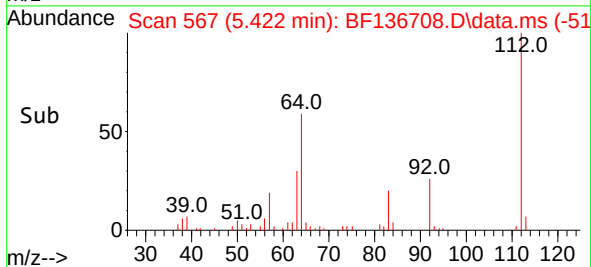
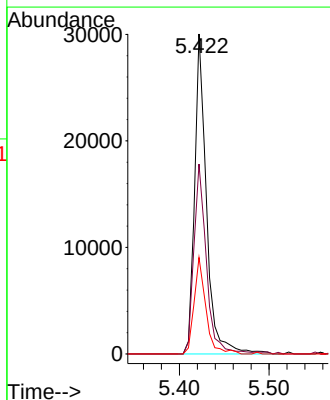
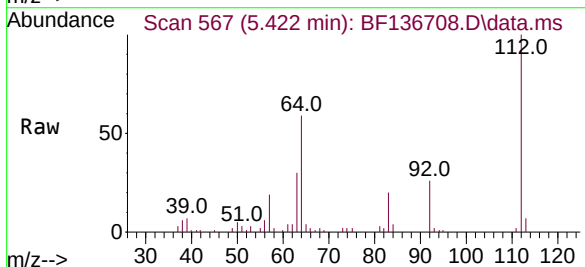
Instrument :
 BNA_F
 ClientSampleId :

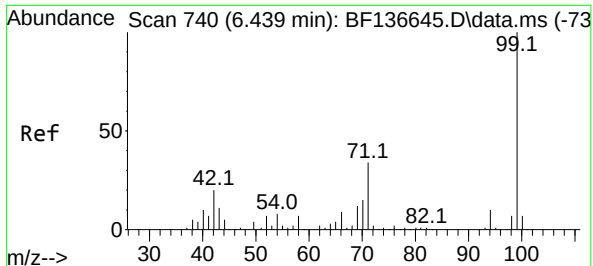
Tgt Ion:152 Resp: 53614
 Ion Ratio Lower Upper
 152 100
 150 154.4 127.0 190.6
 115 55.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 8.040 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF136708.D
 Acq: 23 Dec 2023 03:20

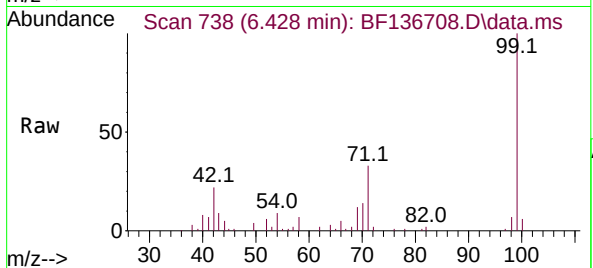
Tgt Ion:112 Resp: 27628
 Ion Ratio Lower Upper
 112 100
 64 59.4 51.1 76.7
 63 30.1 26.1 39.1



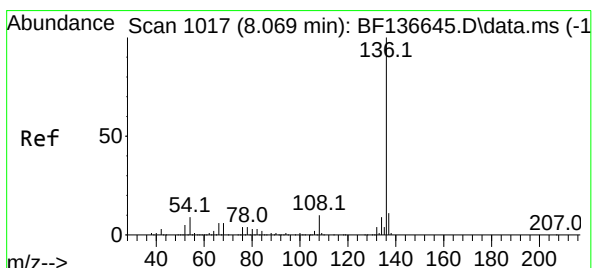
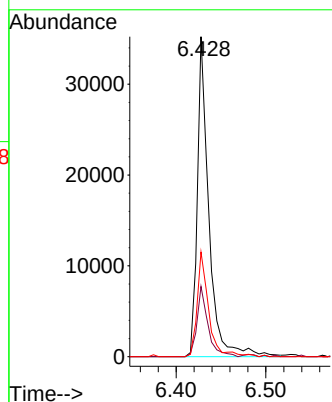
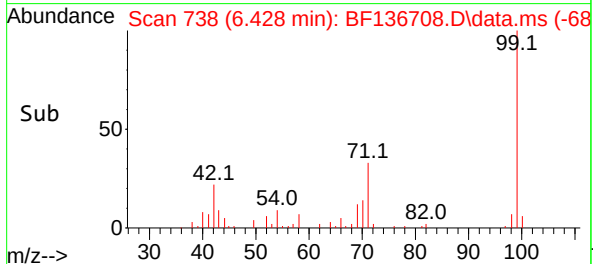


#7
Phenol-d6
Concen: 7.082 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

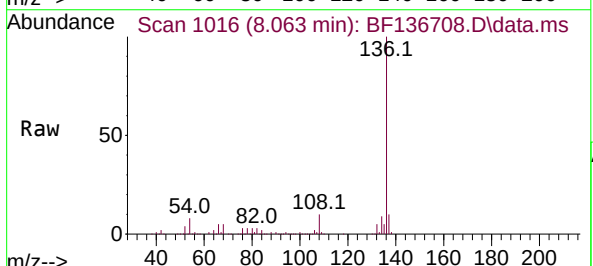
Instrument :
BNA_F
ClientSampleId :



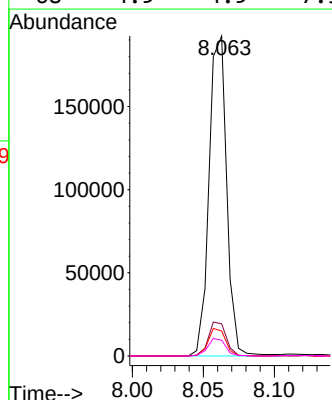
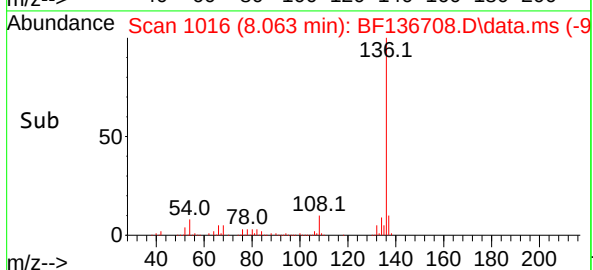
Tgt Ion: 99 Resp: 31531
Ion Ratio Lower Upper
99 100
42 21.9 16.1 24.1
71 32.7 27.4 41.2

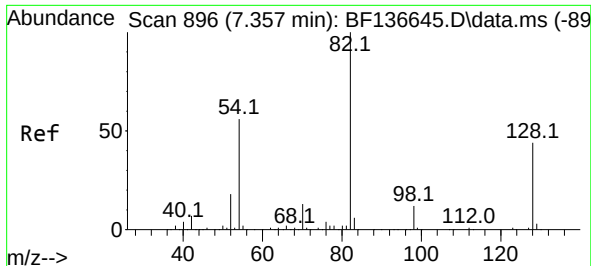


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20



Tgt Ion: 136 Resp: 166606
Ion Ratio Lower Upper
136 100
137 10.0 9.0 13.4
54 7.8 7.2 10.8
68 4.9 4.9 7.3

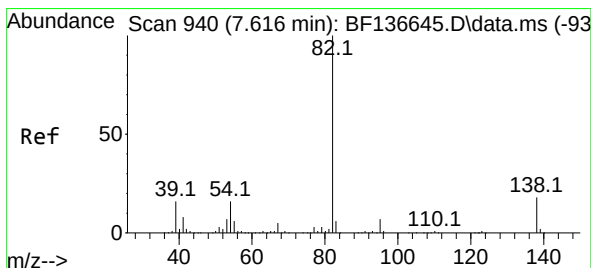
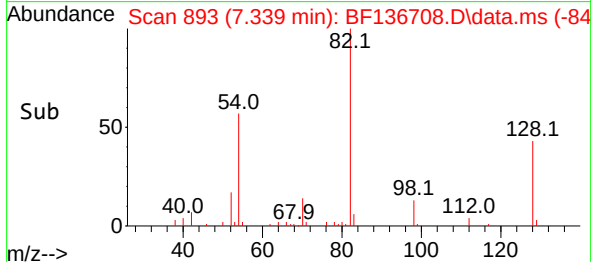
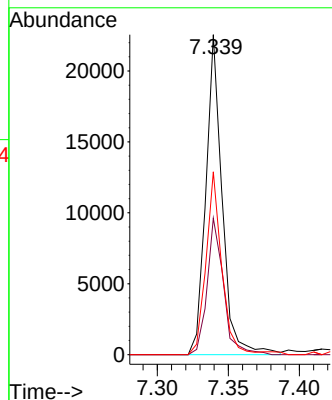
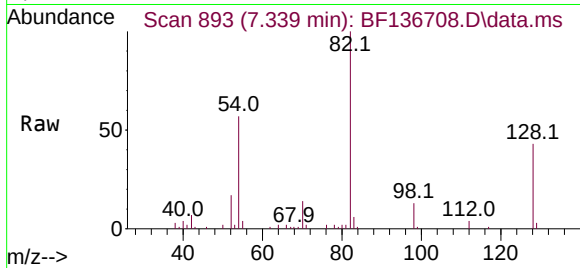




#23
Nitrobenzene-d5
Concen: 5.560 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

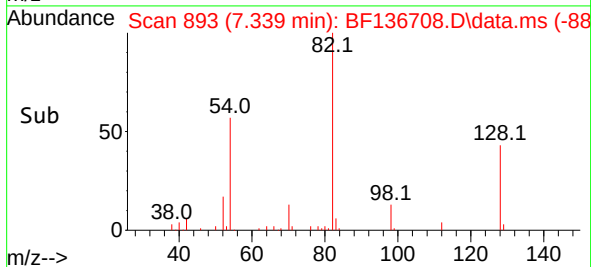
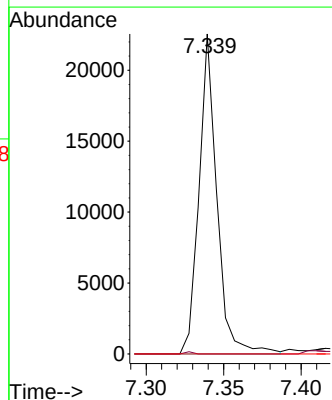
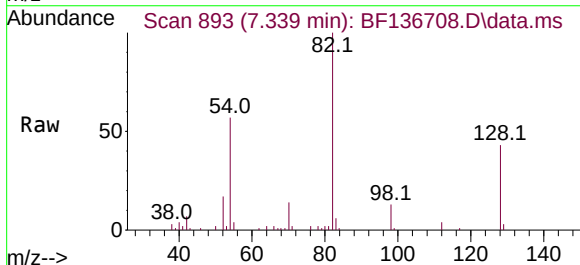
Instrument :
BNA_F
ClientSampleId :

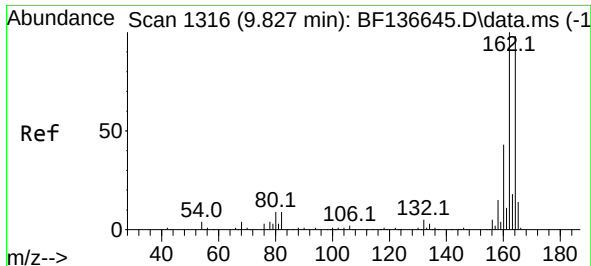
Tgt Ion: 82 Resp: 18103
Ion Ratio Lower Upper
82 100
128 42.6 35.3 52.9
54 57.2 44.5 66.7



#25
Isophorone
Concen: 3.056 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Tgt Ion: 82 Resp: 18102
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# 1

Delta R.T. -0.012 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

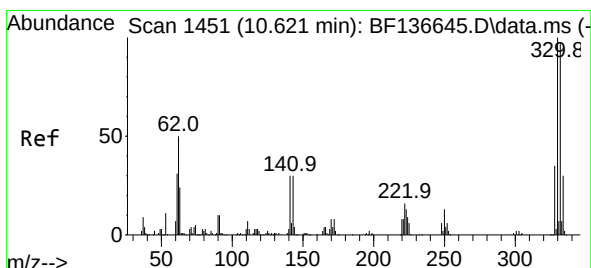
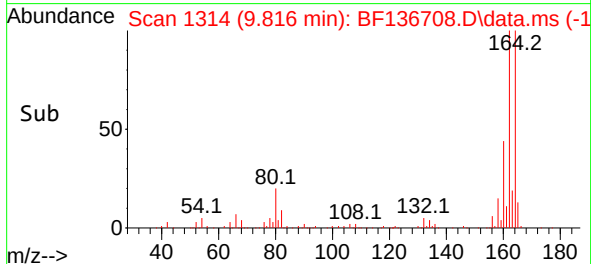
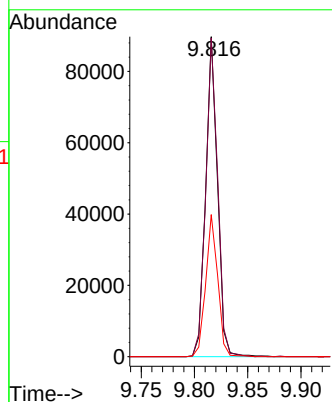
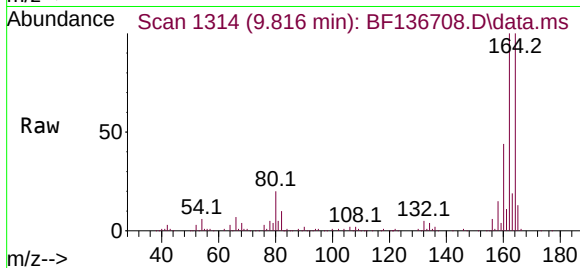
Tgt Ion:164 Resp: 69415

Ion Ratio Lower Upper

164 100

162 99.6 81.6 122.4

160 44.4 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 7.710 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

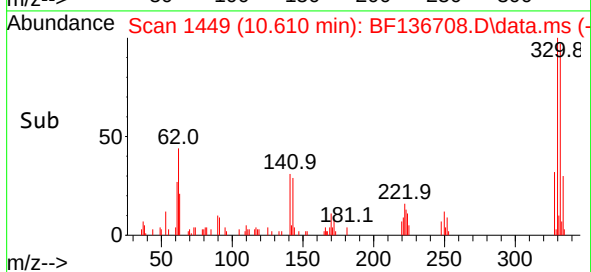
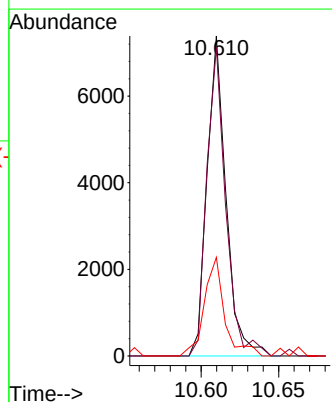
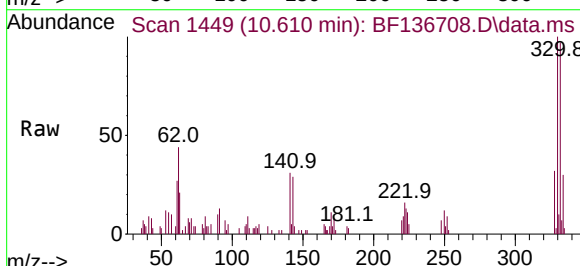
Tgt Ion:330 Resp: 6303

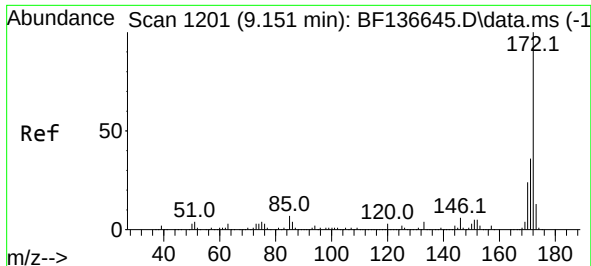
Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.0

141 32.7 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 5.886 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

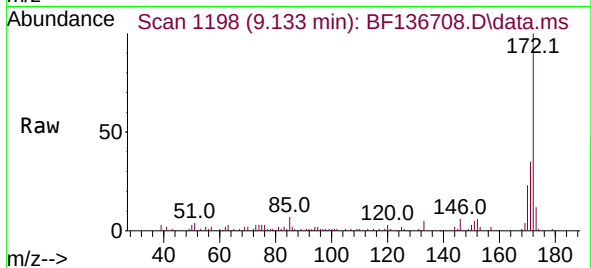
Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :



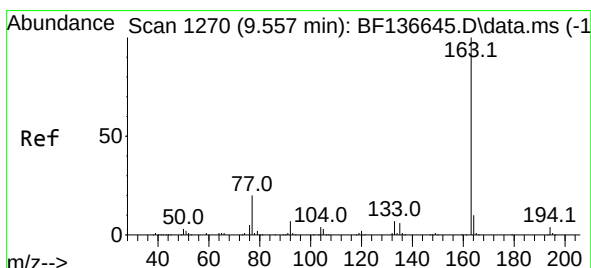
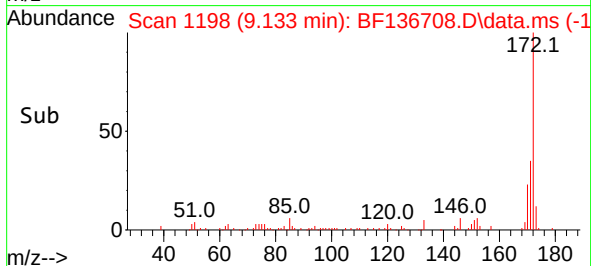
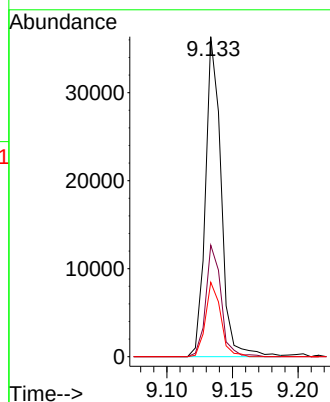
Tgt Ion:172 Resp: 30380

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 23.3 19.0 28.4



#50

Dimethylphthalate

Concen: 2.740 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

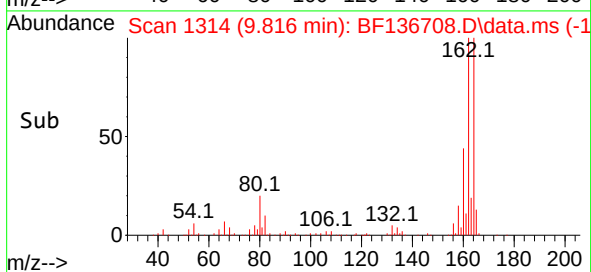
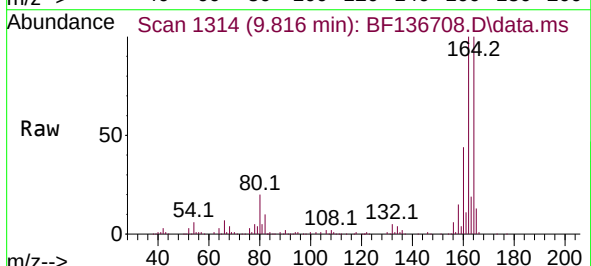
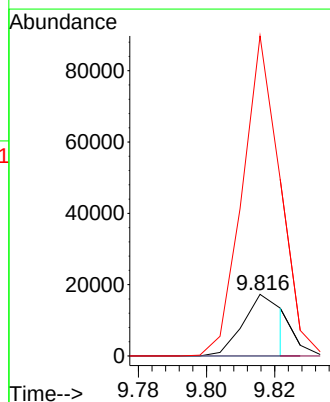
Tgt Ion:163 Resp: 13891

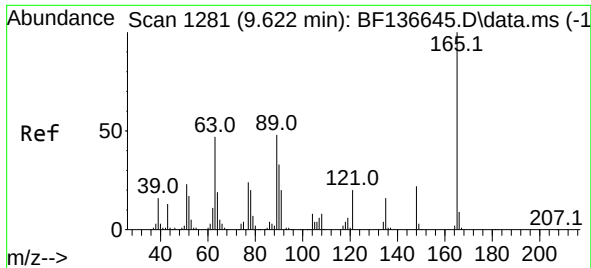
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

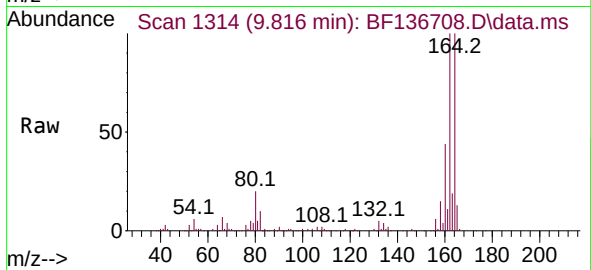
164 519.6 7.8 11.6#



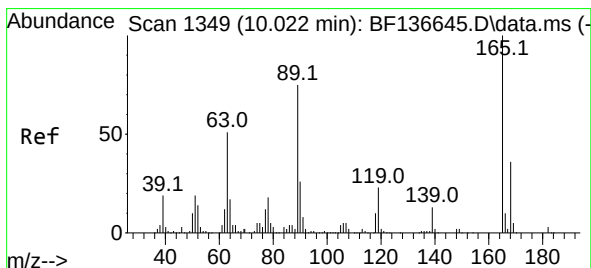
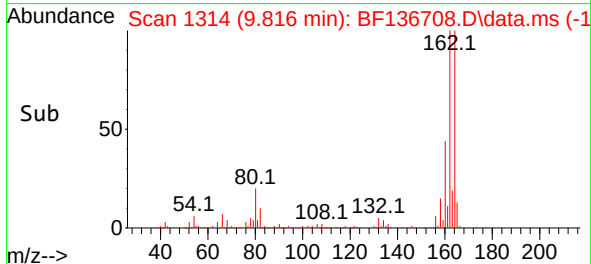
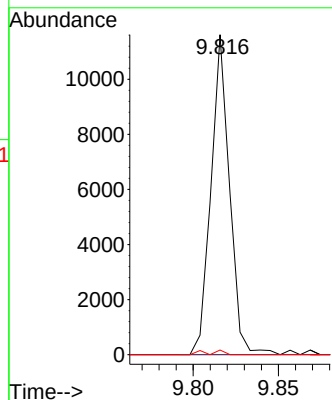


#51
2,6-Dinitrotoluene
Concen: 7.638 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Instrument :
BNA_F
ClientSampleId :

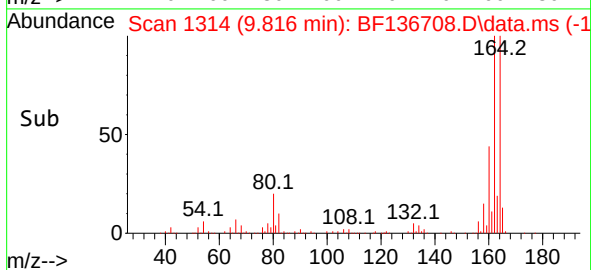
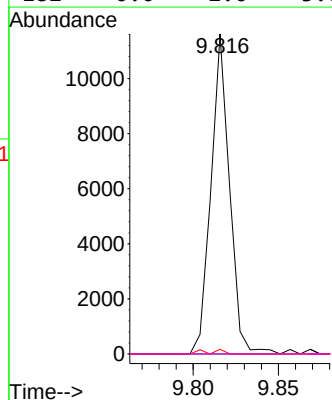
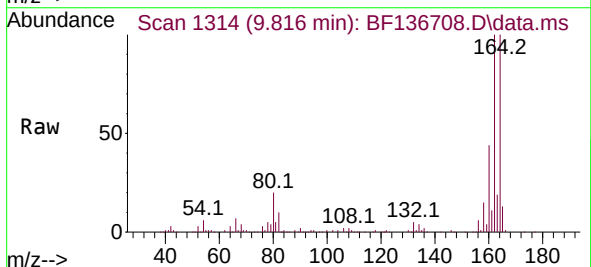


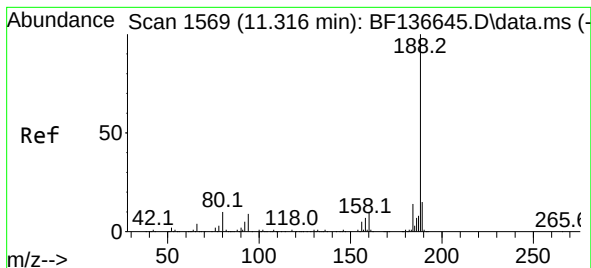
Tgt Ion:165 Resp: 8789
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.4 38.8 58.2#



#57
2,4-Dinitrotoluene
Concen: 5.884 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136708.D
Acq: 23 Dec 2023 03:20

Tgt Ion:165 Resp: 8789
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.4 59.9 89.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

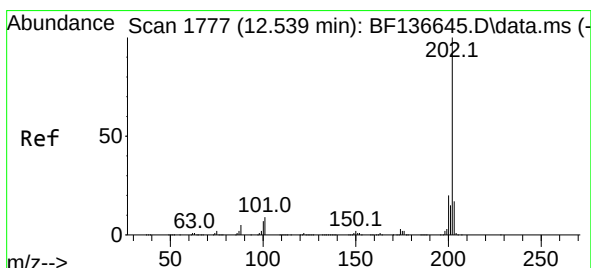
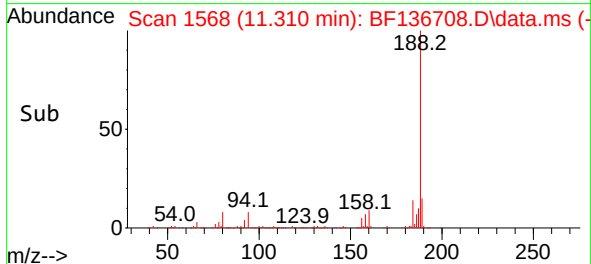
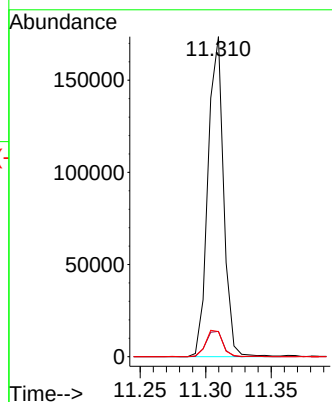
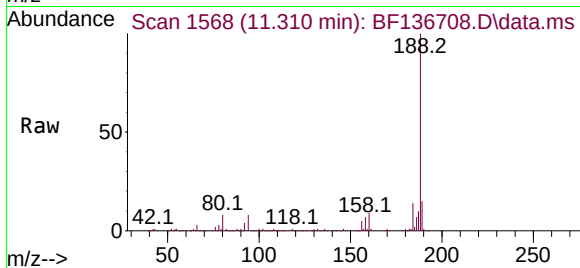
Tgt Ion:188 Resp: 143923

Ion Ratio Lower Upper

188 100

94 7.9 7.5 11.3

80 7.9 8.1 12.1#



#75

Fluoranthene

Concen: 5.898 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

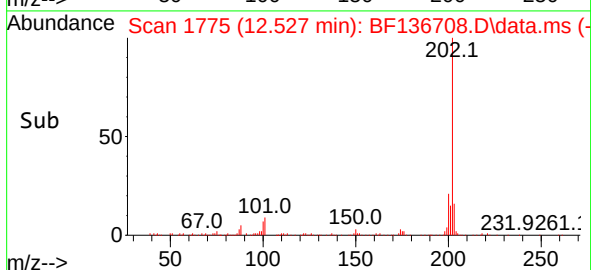
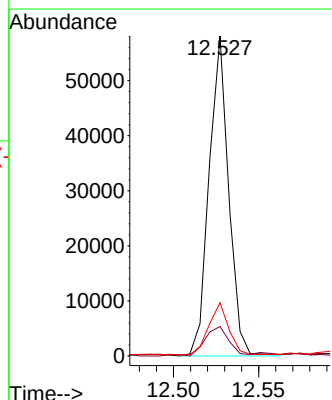
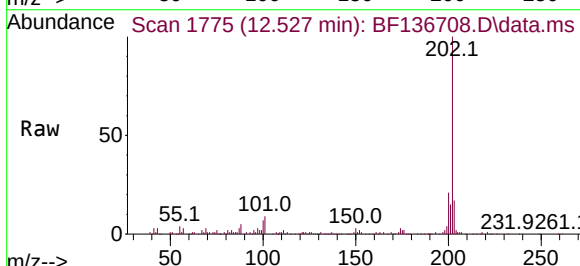
Tgt Ion:202 Resp: 46588

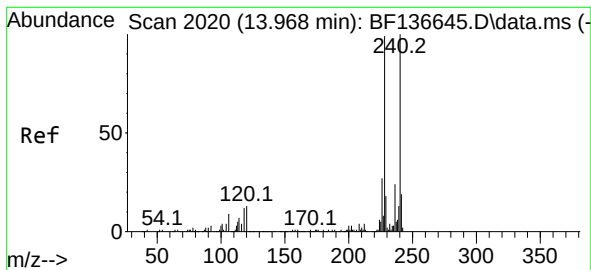
Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.3

203 16.6 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: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

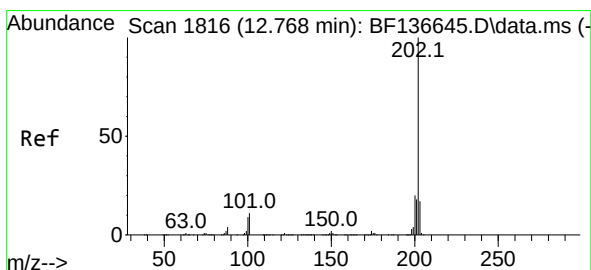
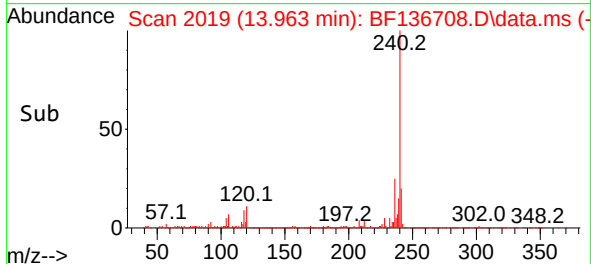
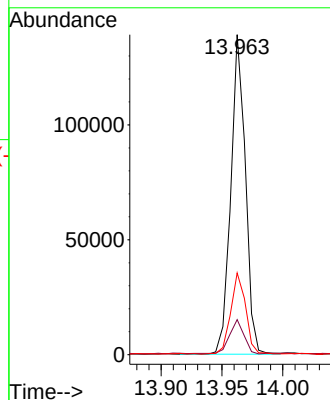
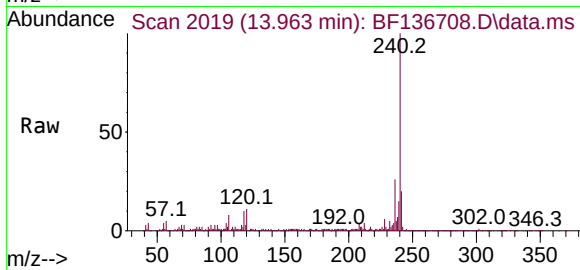
Tgt Ion:240 Resp: 115802

Ion Ratio Lower Upper

240 100

120 11.0 10.3 15.5

236 25.6 19.4 29.2



#78

Pyrene

Concen: 4.093 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

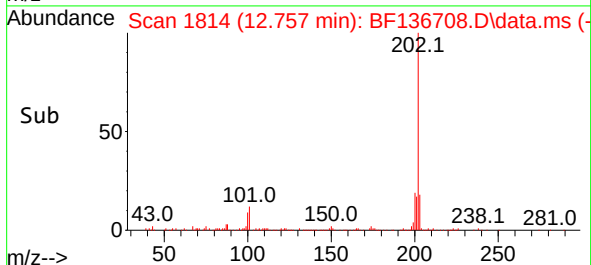
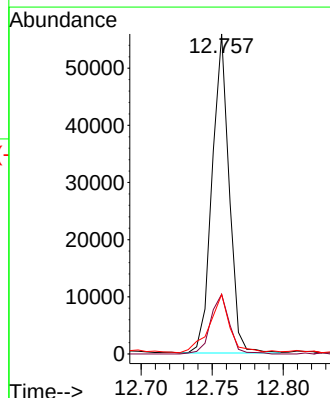
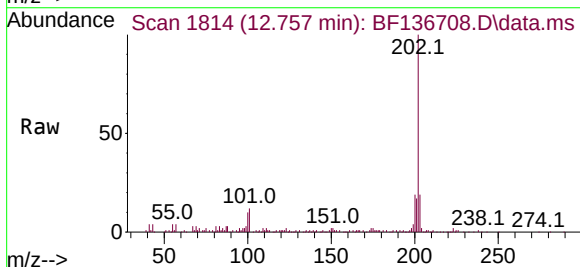
Tgt Ion:202 Resp: 46524

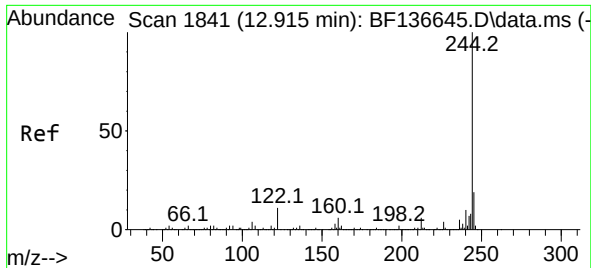
Ion Ratio Lower Upper

202 100

200 18.6 15.9 23.9

203 18.6 13.8 20.6

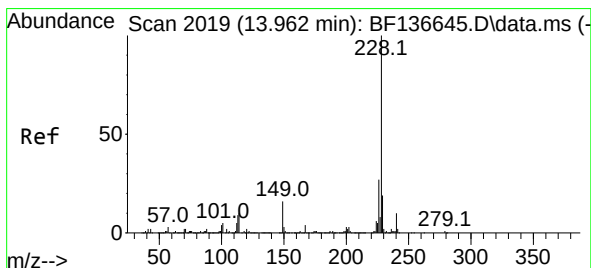
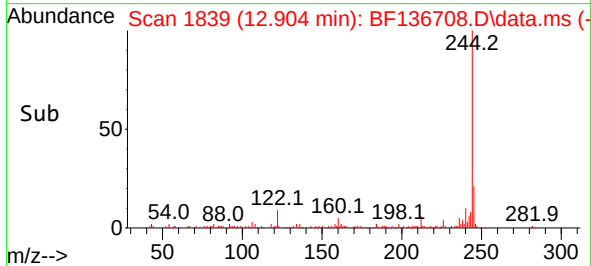
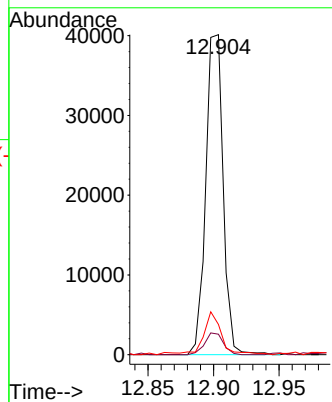
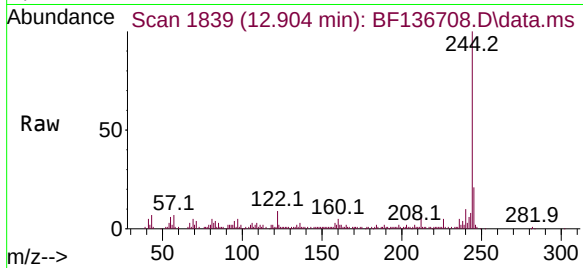




#79
 Terphenyl-d14
 Concen: 4.487 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136708.D
 Acq: 23 Dec 2023 03:20

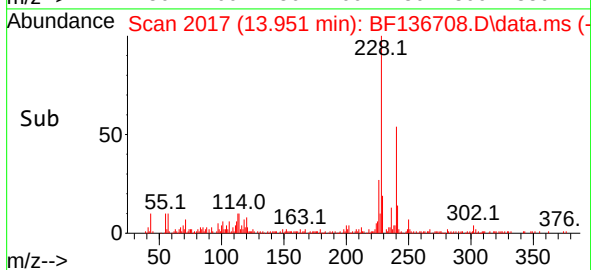
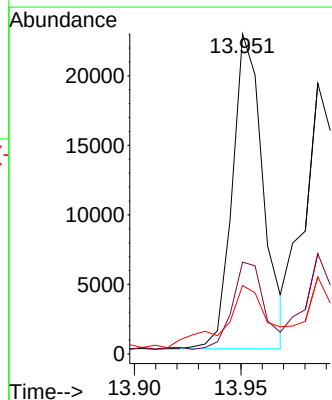
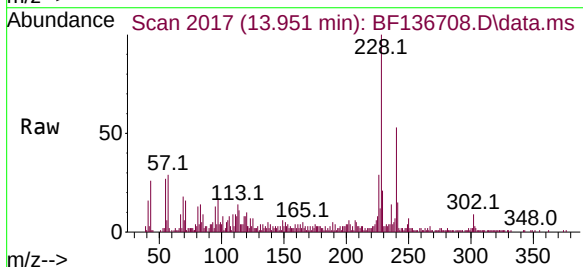
Instrument :
 BNA_F
 ClientSampleId :

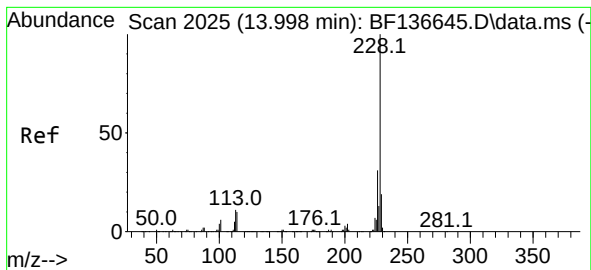
Tgt Ion:244 Resp: 37183
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 9.4 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.833 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136708.D
 Acq: 23 Dec 2023 03:20

Tgt Ion:228 Resp: 22782
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.0
 229 21.4 14.9 22.3





#83

Chrysene

Concen: 2.897 ng

RT: 13.951 min Scan# 2025

Delta R.T. -0.047 min

Lab File: BF136708.D

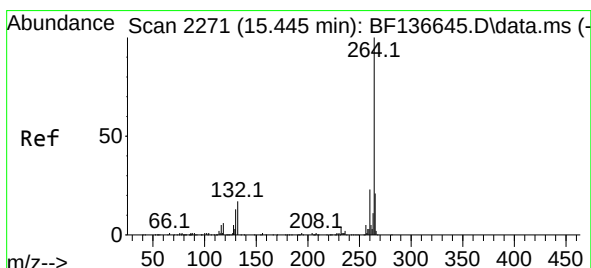
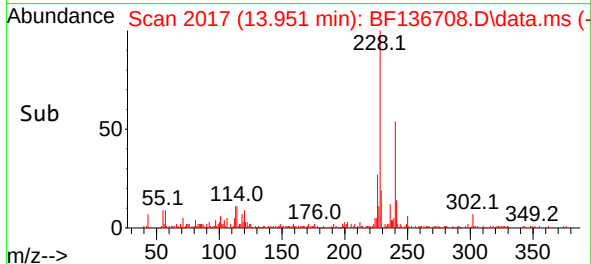
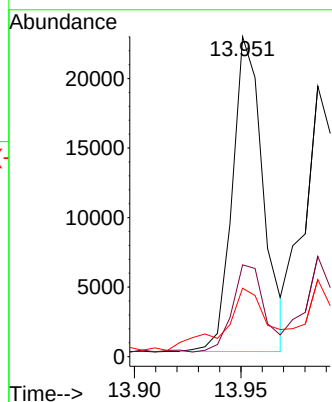
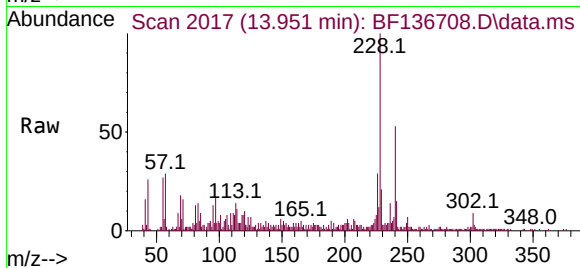
Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	228	Resp:	22782
Ion Ratio	Lower	Upper	
228	100		
226	28.7	24.7	37.1
229	21.4	15.4	23.0



#86

Perylene-d12

Concen: 20.000 ng

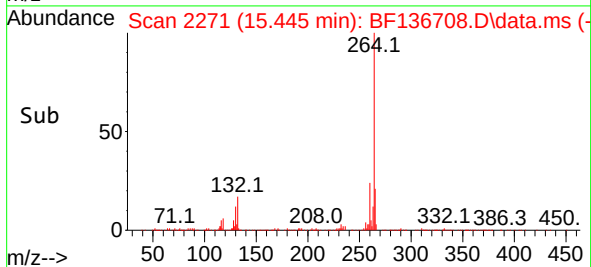
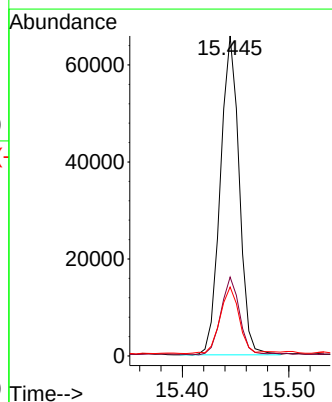
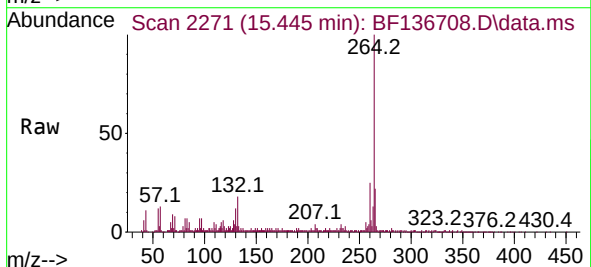
RT: 15.445 min Scan# 2271

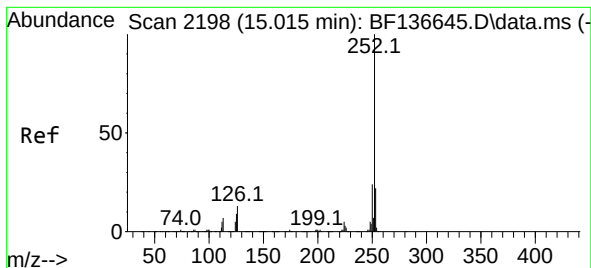
Delta R.T. 0.000 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Tgt Ion:	264	Resp:	80563
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.3	27.5
265	21.5	17.0	25.6





#88

Benzo(b)fluoranthene

Concen: 5.047 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :

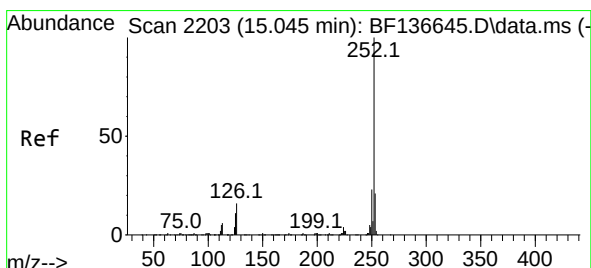
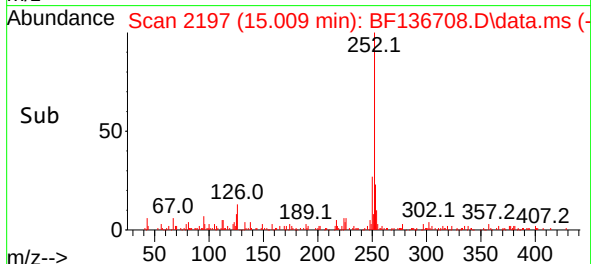
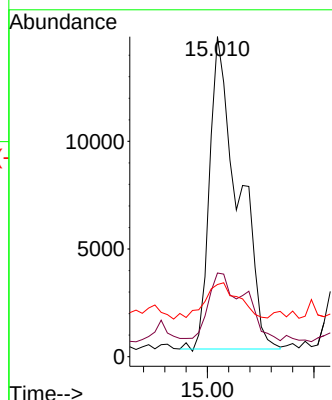
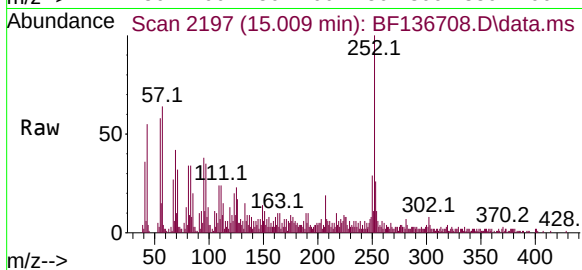
Tgt Ion:252 Resp: 27157

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

125 22.6 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 5.341 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

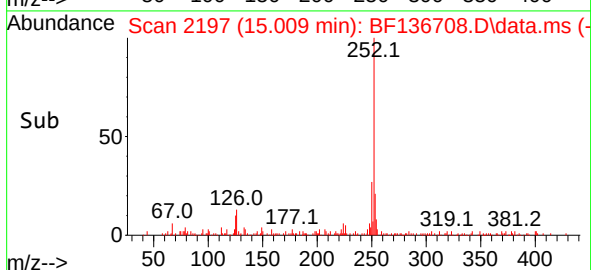
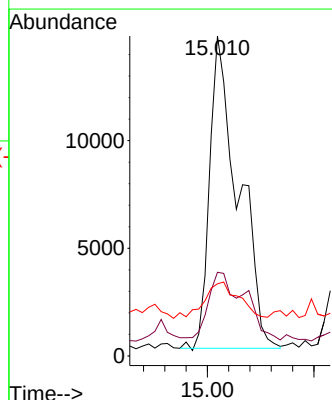
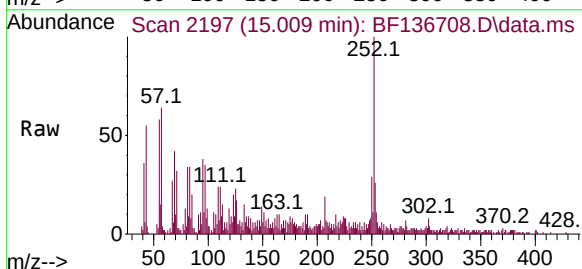
Tgt Ion:252 Resp: 27157

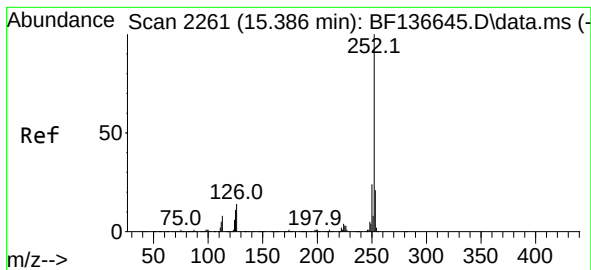
Ion Ratio Lower Upper

252 100

253 26.1 17.0 25.6#

125 22.6 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 3.216 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

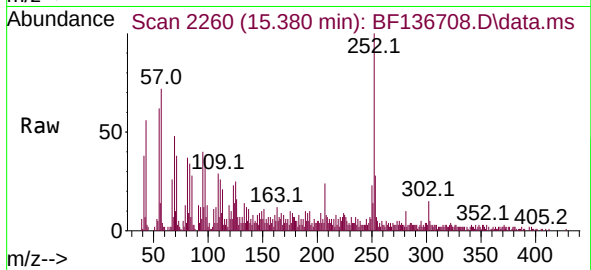
Lab File: BF136708.D

Acq: 23 Dec 2023 03:20

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 14607

Ion Ratio Lower Upper

252 100

253 27.6 17.0 25.6#

125 25.4 8.8 13.2#

