

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136426.D
 Acq On : 06 Dec 2023 14:01
 Operator : CG\JU
 Sample : 05434-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 14:35:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

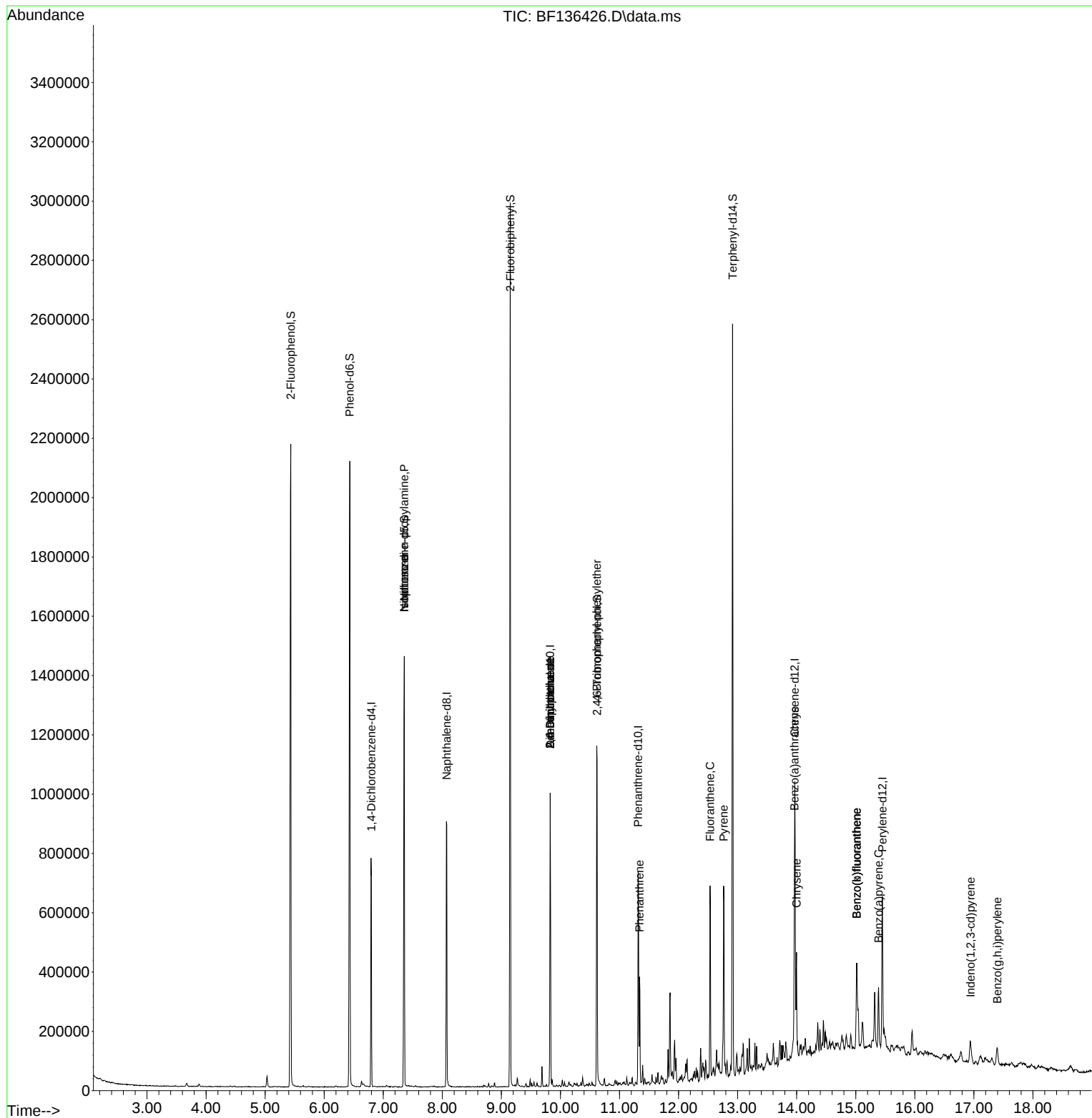
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	113743	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	419673	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	181632	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	273432	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	252492	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	235165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	643280	83.523	ng	0.00
7) Phenol-d6	6.434	99	763017	79.404	ng	-0.01
23) Nitrobenzene-d5	7.357	82	465115	59.914	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	159020	71.006	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	861145	64.693	ng	-0.01
79) Terphenyl-d14	12.916	244	827576	43.201	ng	0.00
Target Compounds						
9) Benzaldehyde	6.345	77	339	Below Cal	Qvalue #	64
19) n-Nitroso-di-n-propyla...	7.357	70	60089	10.840 ng	#	76
25) Isophorone	7.357	82	464335	33.293 ng	#	65
50) Dimethylphthalate	9.828	163	36133	2.702 ng	#	1
51) 2,6-Dinitrotoluene	9.828	165	23681	7.872 ng	#	29
57) 2,4-Dinitrotoluene	9.828	165	23681	5.950 ng	#	28
67) 4-Bromophenyl-phenylether	10.616	248	9673	3.043 ng	#	1
71) Phenanthrene	11.339	178	135111	8.990 ng		97
75) Fluoranthene	12.533	202	254377	16.151 ng		97
77) Benzidine	12.692	184	365	Below Cal	#	1
78) Pyrene	12.763	202	274913	11.117 ng		97
81) Benzo(a)anthracene	13.963	228	125665	7.145 ng		91
83) Chrysene	13.998	228	140559	8.123 ng		98
87) Indeno(1,2,3-cd)pyrene	16.945	276	51242	3.136 ng		95
88) Benzo(b)fluoranthene	15.015	252	206967	12.872 ng		97
89) Benzo(k)fluoranthene	15.015	252	206967	13.659 ng		97
90) Benzo(a)pyrene	15.386	252	97935	7.375 ng		99
92) Benzo(g,h,i)perylene	17.398	276	49425	3.598 ng		97

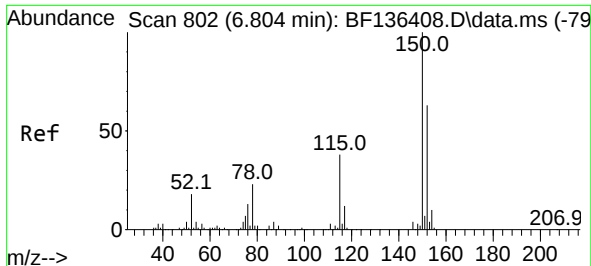
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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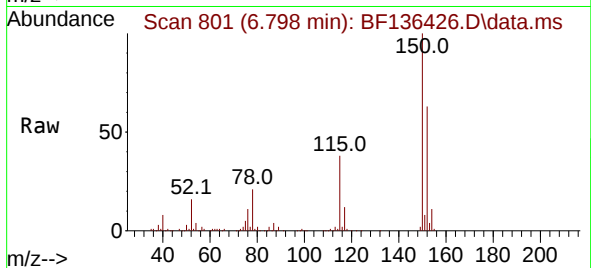
Quant Time: Dec 06 14:35:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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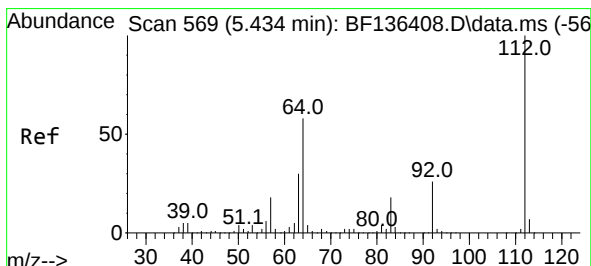
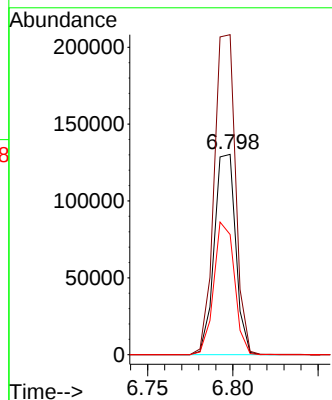
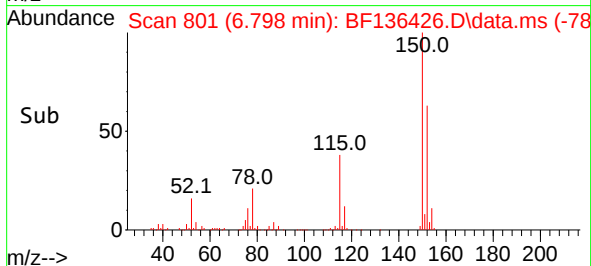


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 802
 Delta R.T. -0.006 min
 Lab File: BF136426.D
 Acq: 06 Dec 2023 14:01

Instrument :
 BNA_F
 ClientSampleId :

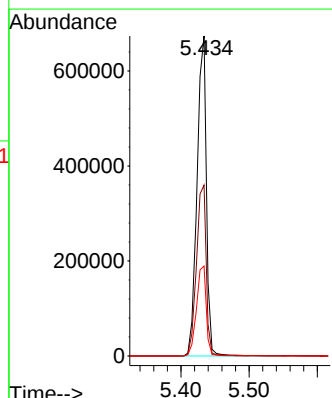
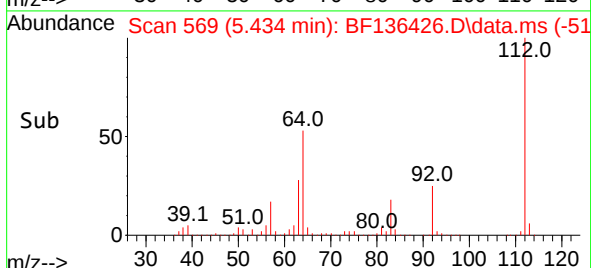
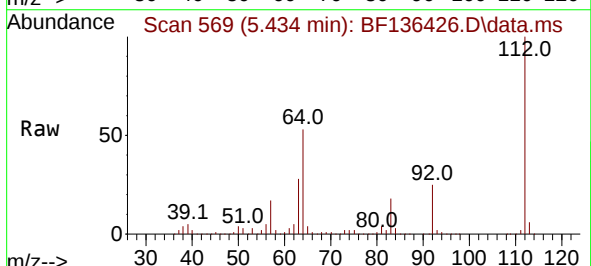


Tgt Ion:152 Resp: 113743
 Ion Ratio Lower Upper
 152 100
 150 159.7 126.4 189.6
 115 60.0 48.2 72.4



#5
 2-Fluorophenol
 Concen: 83.523 ng
 RT: 5.434 min Scan# 569
 Delta R.T. -0.000 min
 Lab File: BF136426.D
 Acq: 06 Dec 2023 14:01

Tgt Ion:112 Resp: 643280
 Ion Ratio Lower Upper
 112 100
 64 53.4 46.5 69.7
 63 28.1 23.9 35.9

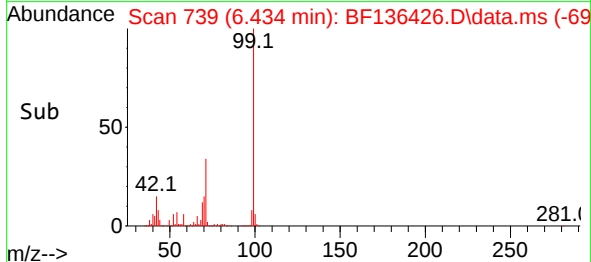
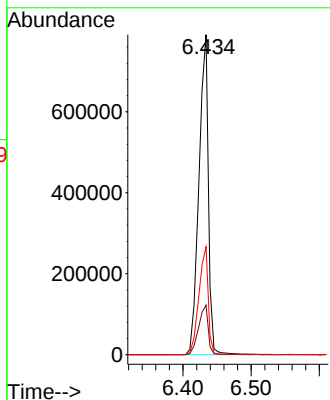
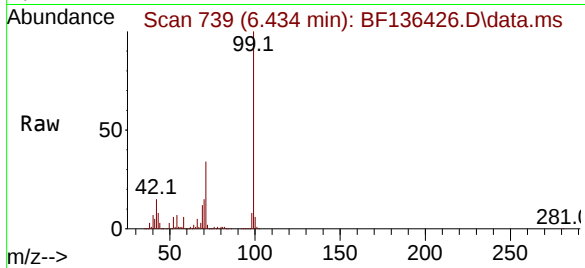




#7
Phenol-d6
Concen: 79.404 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

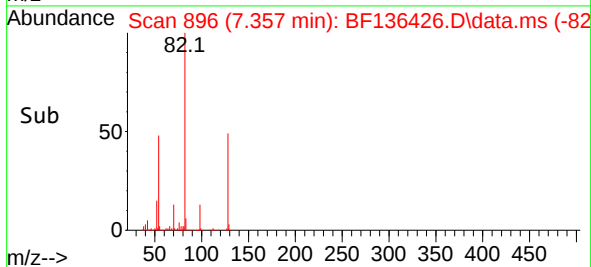
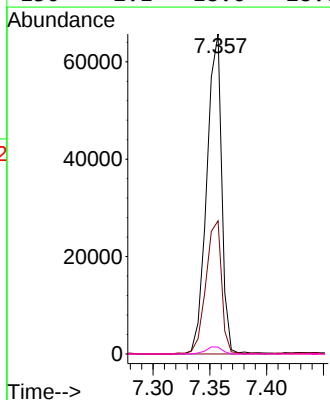
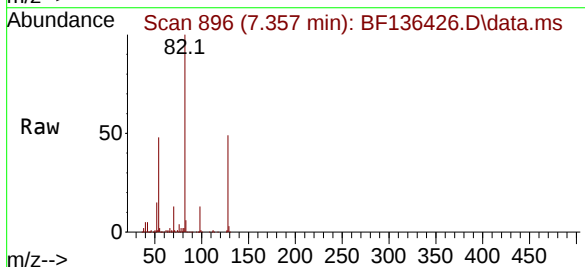
Instrument :
BNA_F
ClientSampleId :

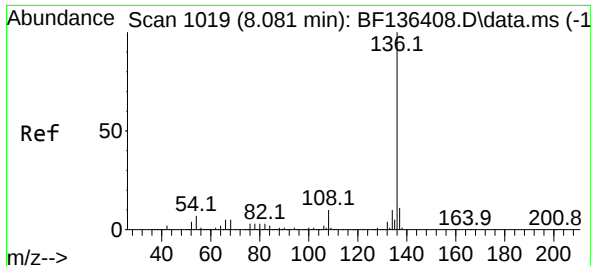
Tgt Ion: 99 Resp: 763017
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.840 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

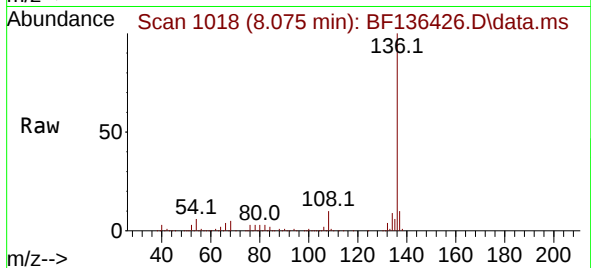
Tgt Ion: 70 Resp: 60089
Ion Ratio Lower Upper
70 100
42 41.6 41.4 62.0
101 0.0 8.2 12.4#
130 2.1 18.6 28.0#



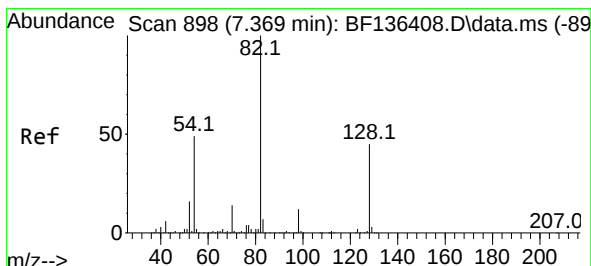
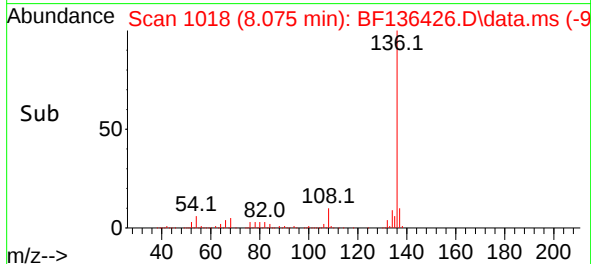
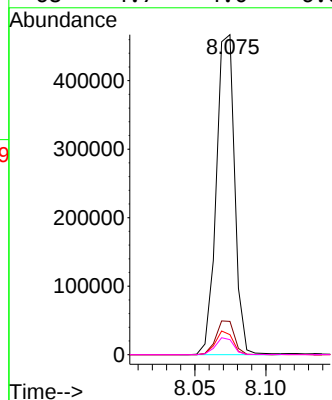


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Instrument :
BNA_F
ClientSampleId :

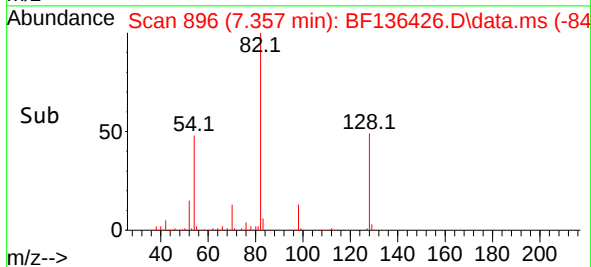
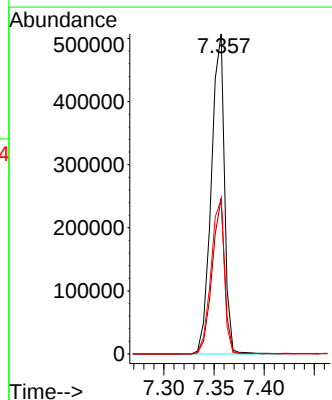
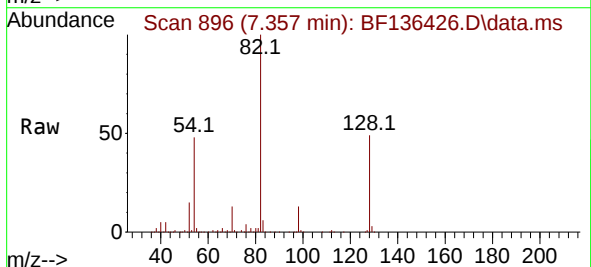


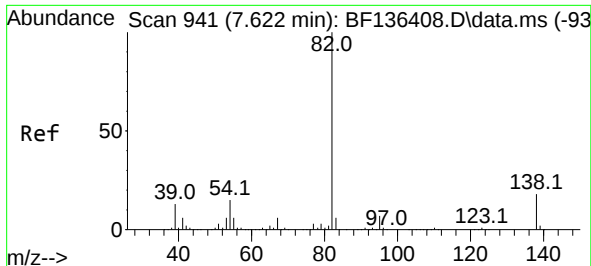
Tgt Ion:136	Resp: 419673
Ion Ratio	Lower Upper
136 100	
137 10.4	8.6 12.8
54 6.3	5.7 8.5
68 4.7	4.0 6.0



#23
Nitrobenzene-d5
Concen: 59.914 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

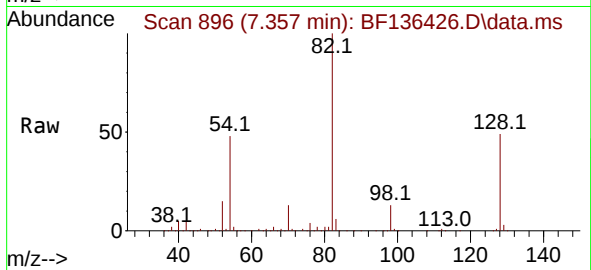
Tgt Ion: 82	Resp: 465115
Ion Ratio	Lower Upper
82 100	
128 48.5	36.3 54.5
54 48.3	39.0 58.6



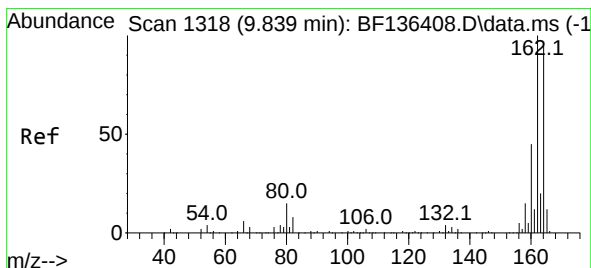
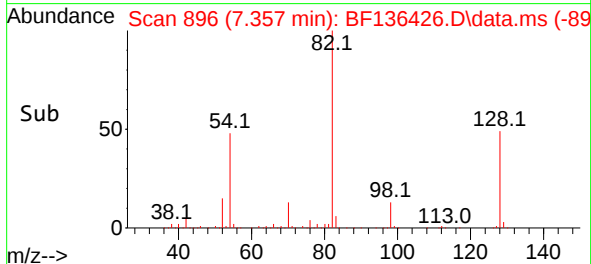
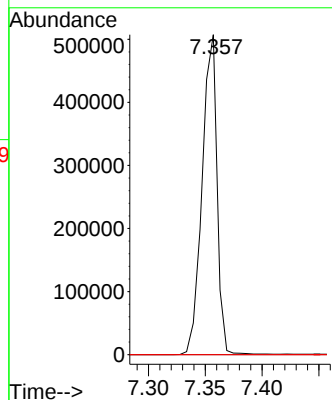


#25
Isophorone
Concen: 33.293 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Instrument :
BNA_F
ClientSampleId :

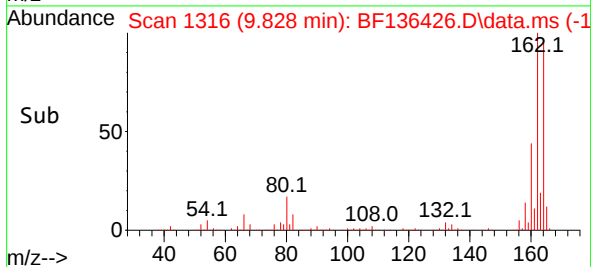
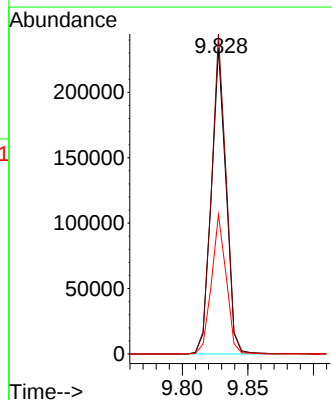
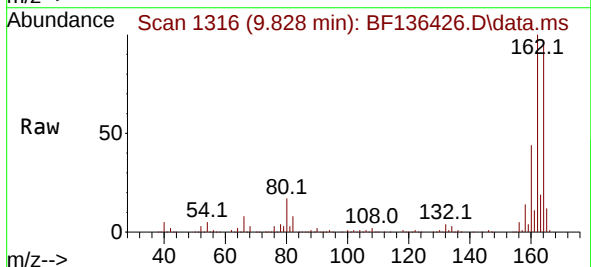


Tgt Ion: 82 Resp: 464335
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Tgt Ion: 164 Resp: 181632
Ion Ratio Lower Upper
164 100
162 104.6 84.4 126.6
160 45.6 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 71.006 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

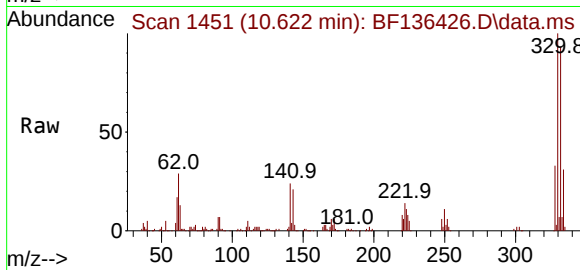
Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :



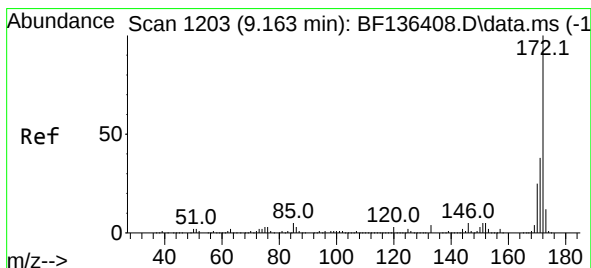
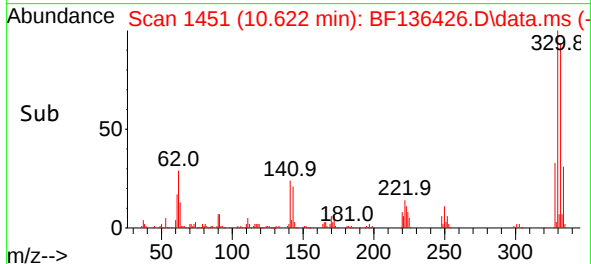
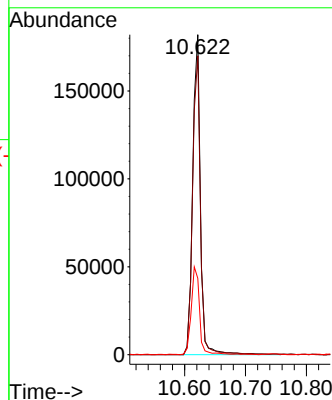
Tgt Ion:330 Resp: 159020

Ion Ratio Lower Upper

330 100

332 95.5 76.4 114.6

141 29.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 64.693 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

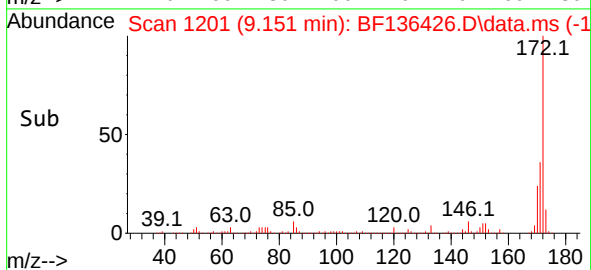
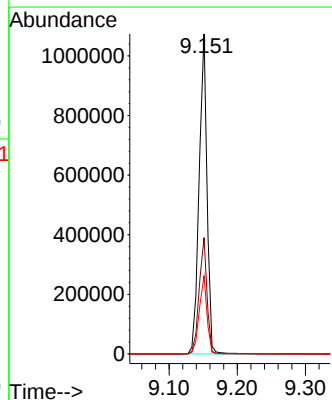
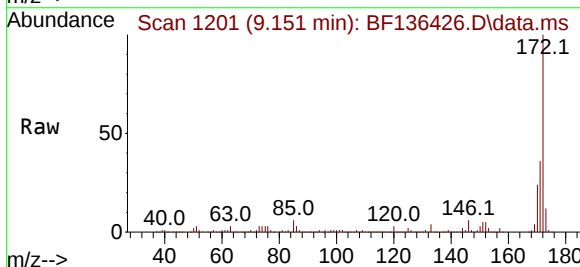
Tgt Ion:172 Resp: 861145

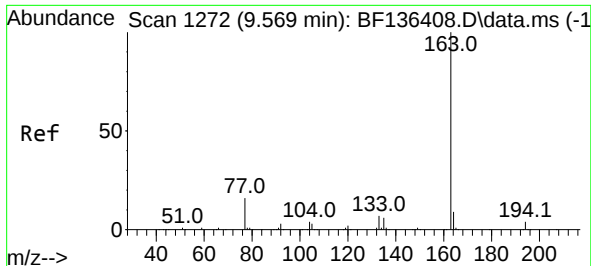
Ion Ratio Lower Upper

172 100

171 36.3 30.5 45.7

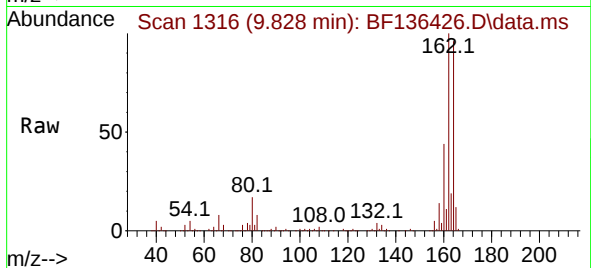
170 24.4 19.9 29.9



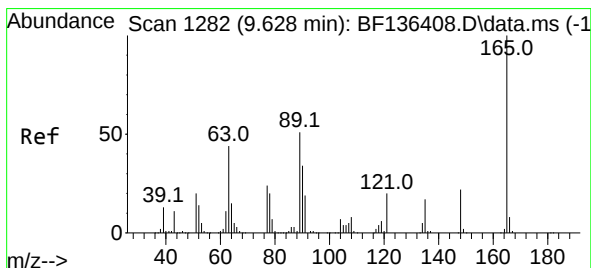
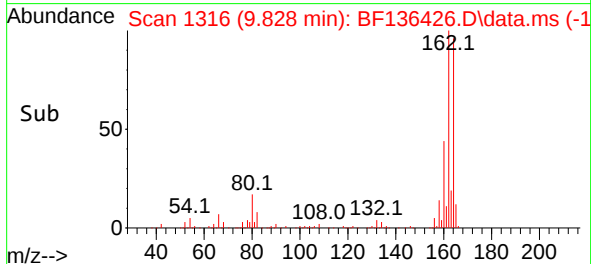
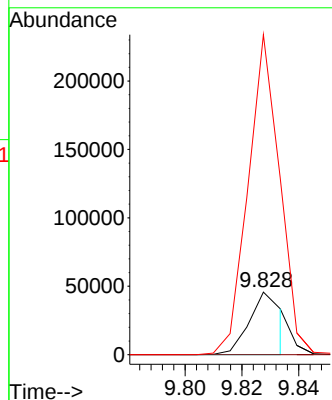


#50
Dimethylphthalate
Concen: 2.702 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Instrument :
BNA_F
ClientSampleId :

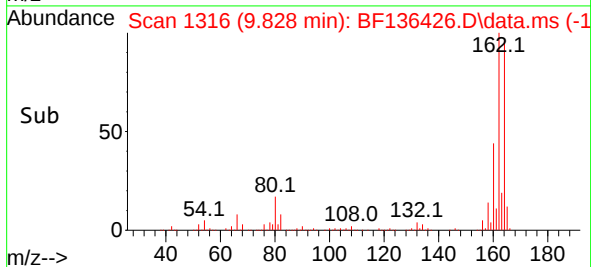
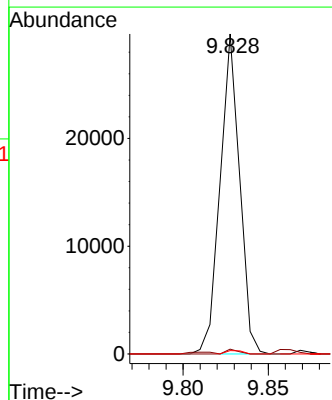
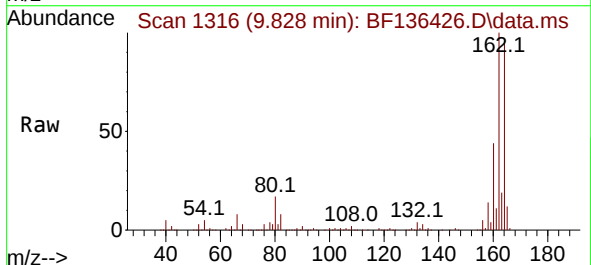


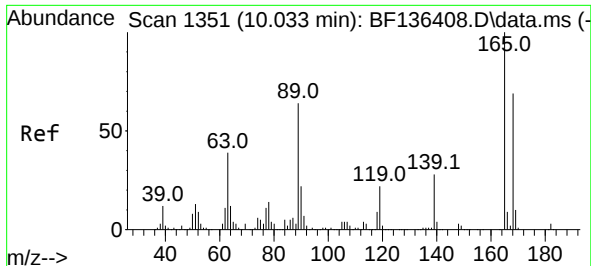
Tgt Ion:163 Resp: 36133
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 511.5 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.872 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

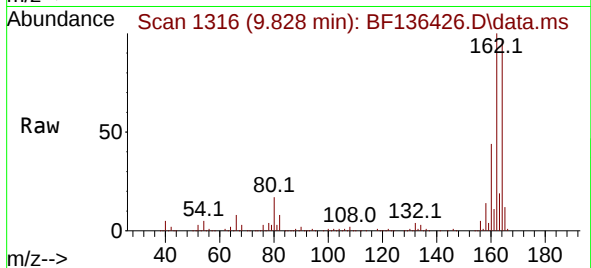
Tgt Ion:165 Resp: 23681
Ion Ratio Lower Upper
165 100
63 1.5 40.4 60.6#
89 1.1 40.6 60.8#



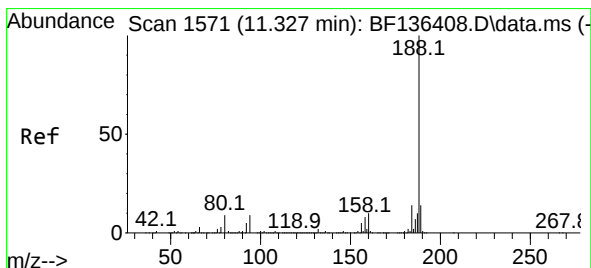
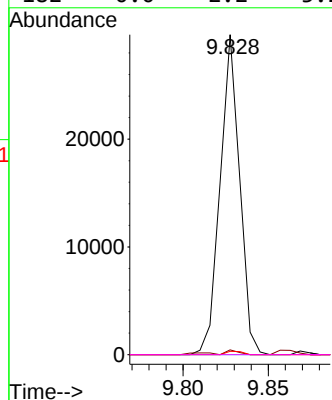
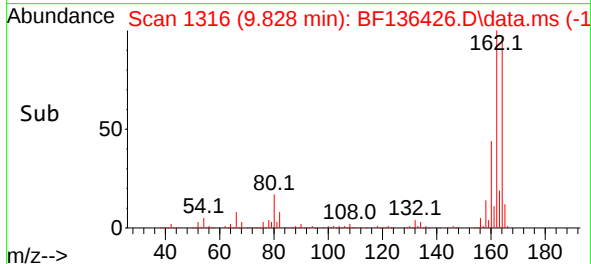


#57
2,4-Dinitrotoluene
Concen: 5.950 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

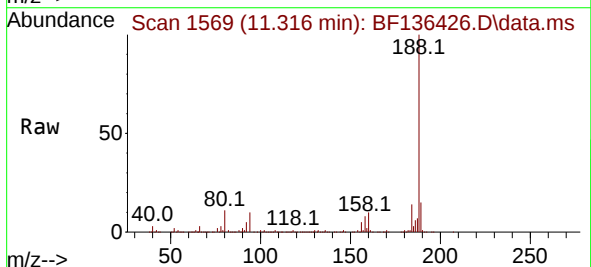
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BNA_F
ClientSampleId :



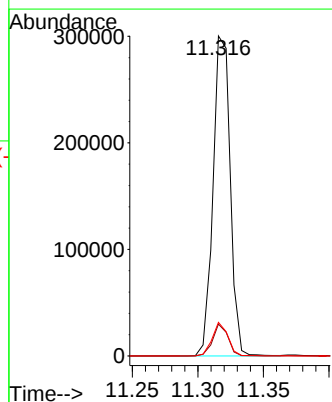
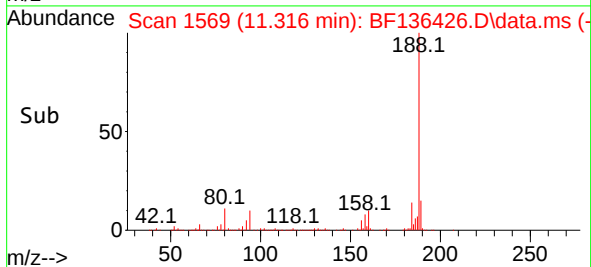
Tgt Ion:165 Resp: 23681
Ion Ratio Lower Upper
165 100
63 1.5 31.4 47.2#
89 1.1 51.7 77.5#
182 0.0 2.2 3.2#

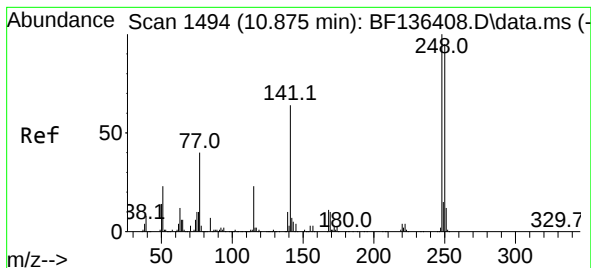


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



Tgt Ion:188 Resp: 273432
Ion Ratio Lower Upper
188 100
94 10.0 7.2 10.8
80 10.5 7.2 10.8

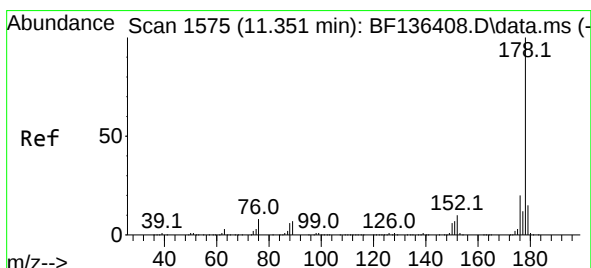
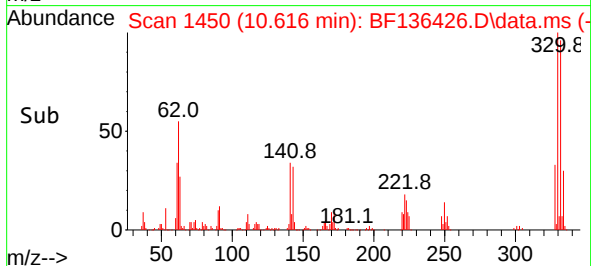
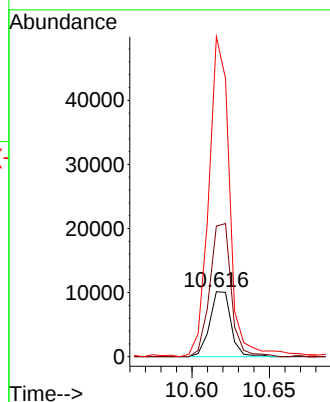
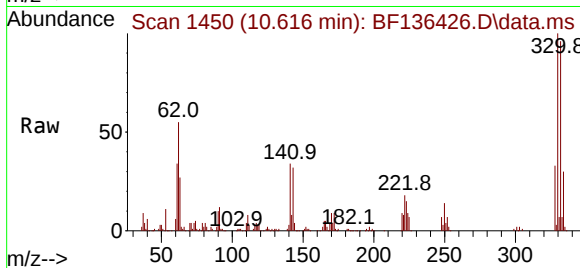




#67
4-Bromophenyl-phenylether
Concen: 3.043 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

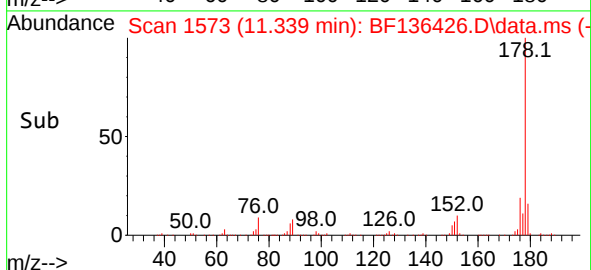
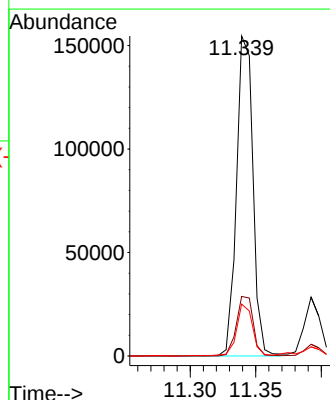
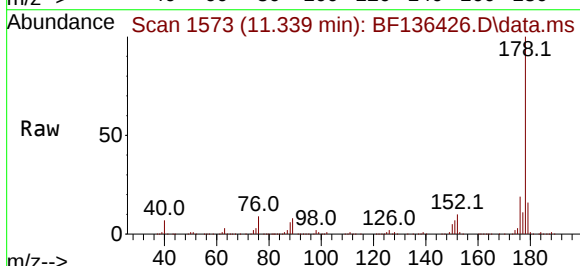
Instrument :
BNA_F
ClientSampleId :

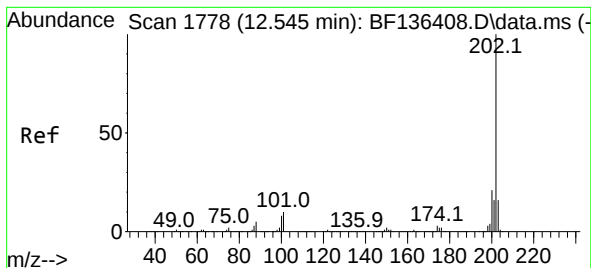
Tgt Ion:248 Resp: 9673
Ion Ratio Lower Upper
248 100
250 201.1 76.2 114.2#
141 492.7 51.0 76.4#



#71
Phenanthrene
Concen: 8.990 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Tgt Ion:178 Resp: 135111
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.2 11.8 17.6





#75

Fluoranthene

Concen: 16.151 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

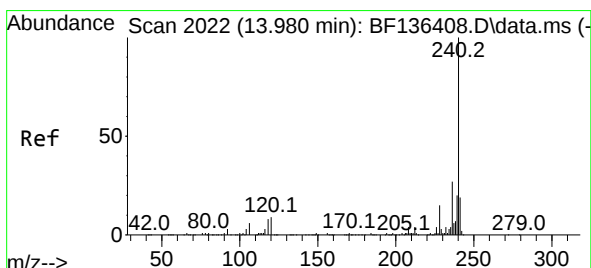
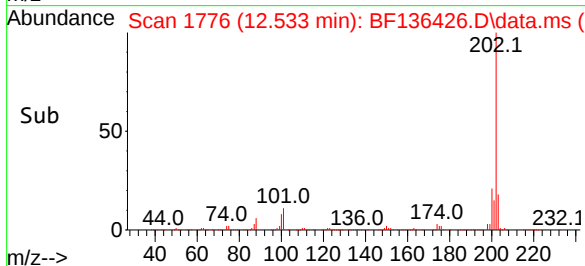
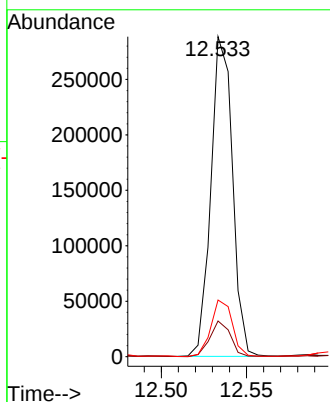
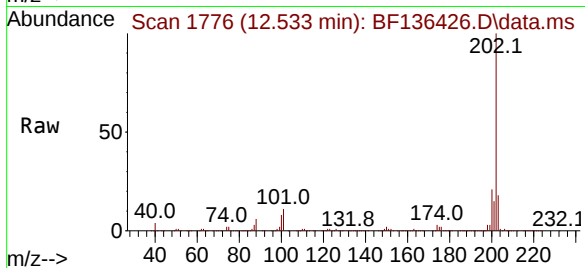
Tgt Ion:202 Resp: 254377

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.9

203 17.7 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

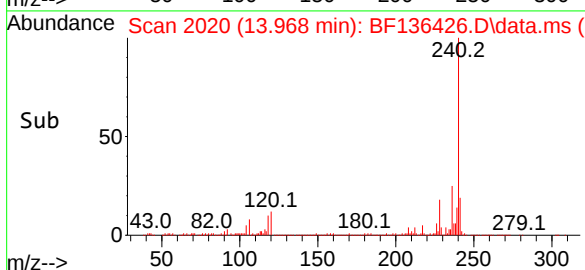
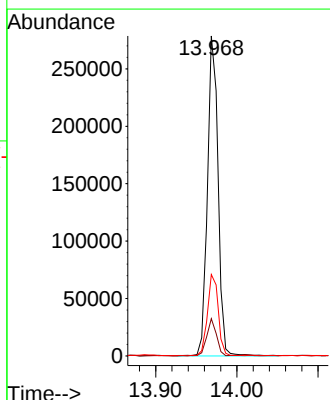
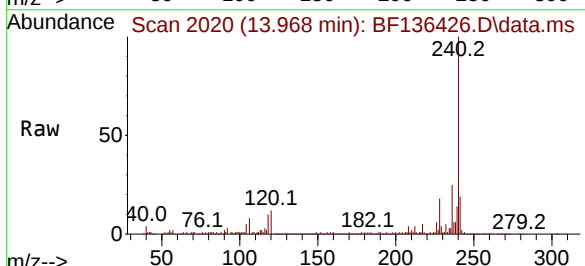
Tgt Ion:240 Resp: 252492

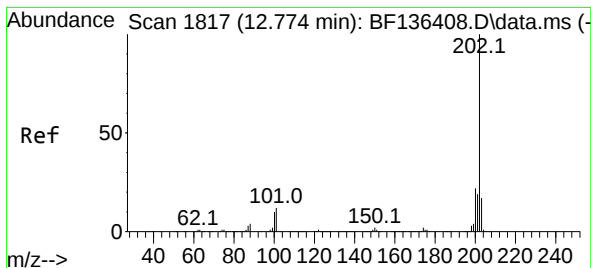
Ion Ratio Lower Upper

240 100

120 11.6 7.3 10.9#

236 25.5 21.3 31.9





#78

Pyrene

Concen: 11.117 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

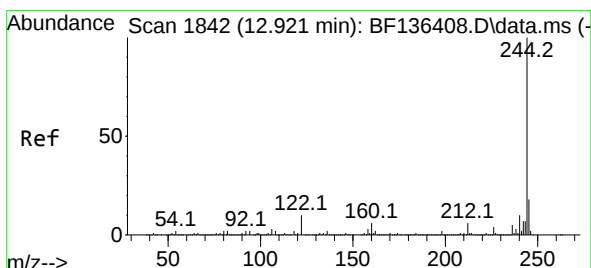
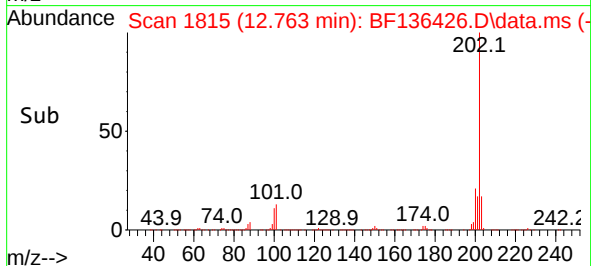
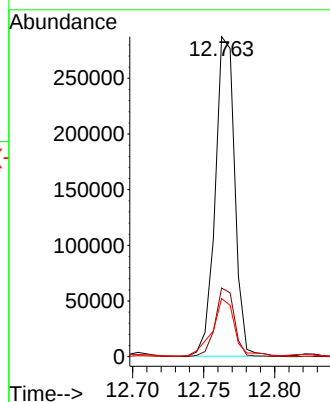
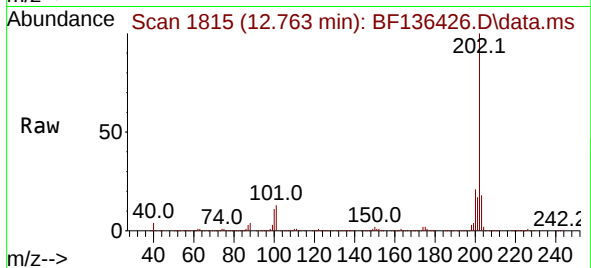
Tgt Ion:202 Resp: 274913

Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

203 18.2 13.5 20.3



#79

Terphenyl-d14

Concen: 43.201 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

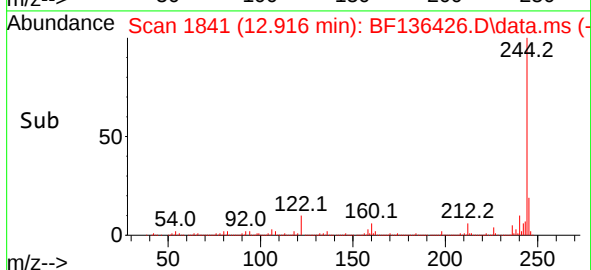
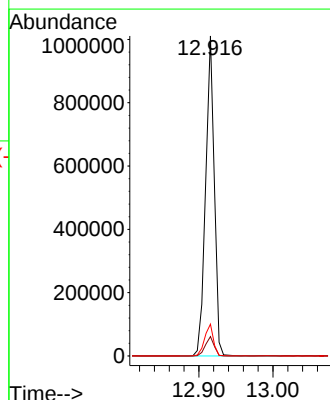
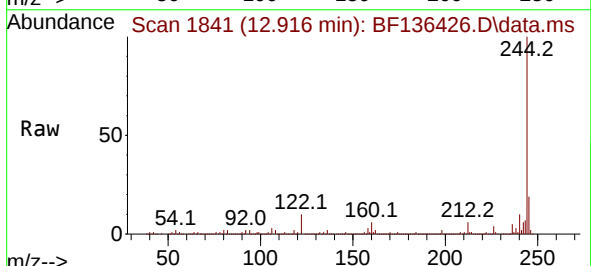
Tgt Ion:244 Resp: 827576

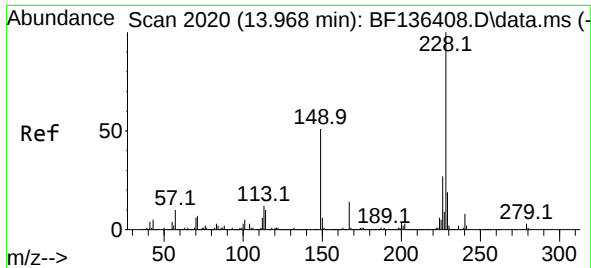
Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 10.0 8.3 12.5

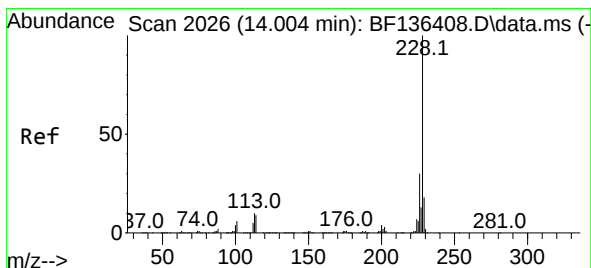
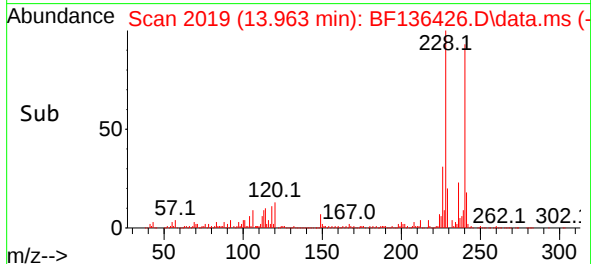
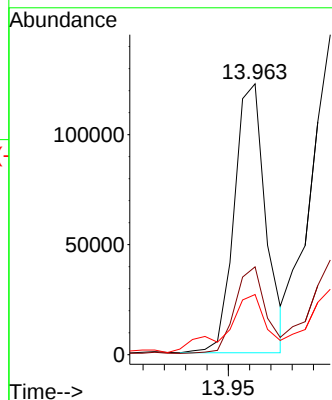
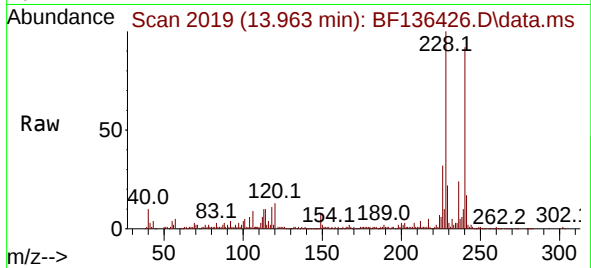




#81
Benzo(a)anthracene
Concen: 7.145 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

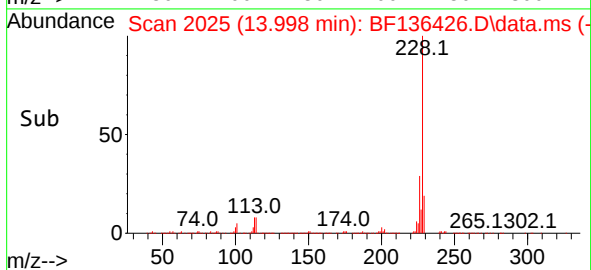
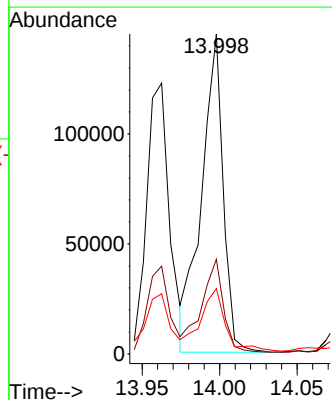
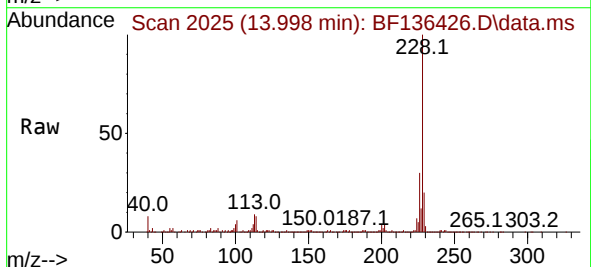
Instrument :
BNA_F
ClientSampleId :

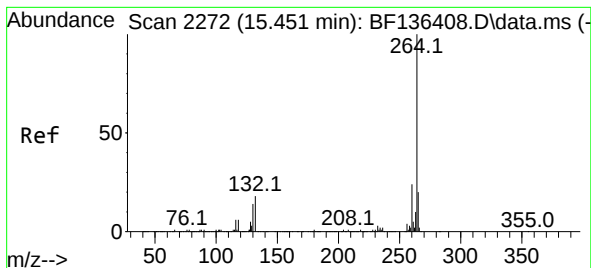
Tgt Ion:228 Resp: 125665
Ion Ratio Lower Upper
228 100
226 32.4 21.8 32.8
229 22.2 15.0 22.4



#83
Chrysene
Concen: 8.123 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Tgt Ion:228 Resp: 140559
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 20.4 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

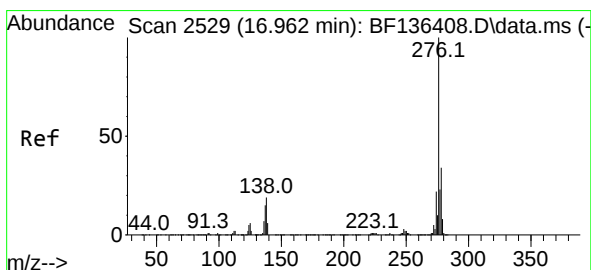
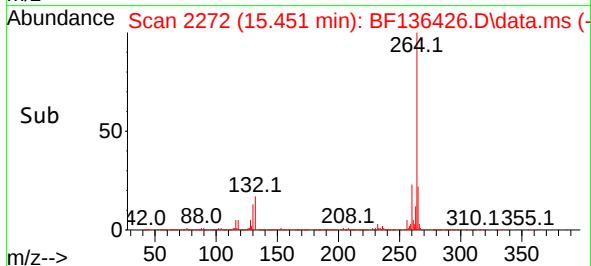
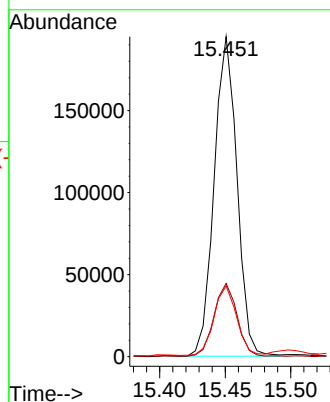
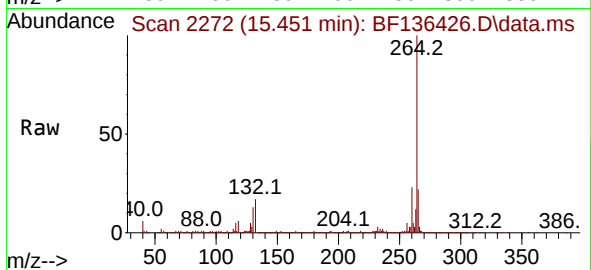
Tgt Ion:264 Resp: 235165

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 22.1 15.9 23.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.136 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.018 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

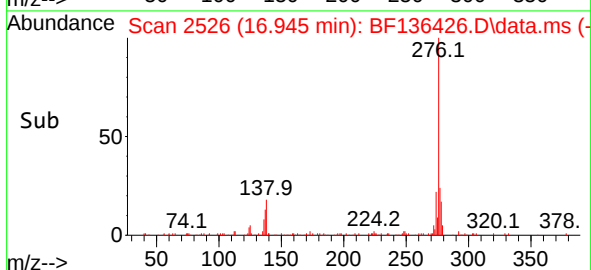
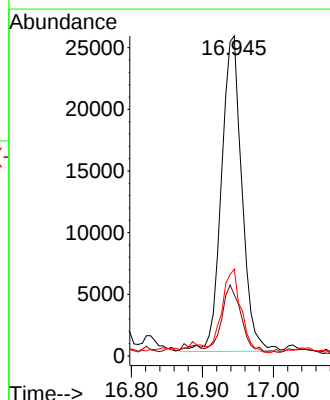
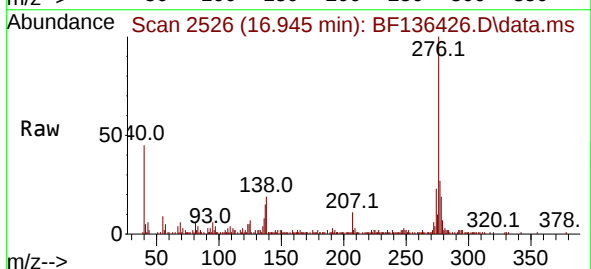
Tgt Ion:276 Resp: 51242

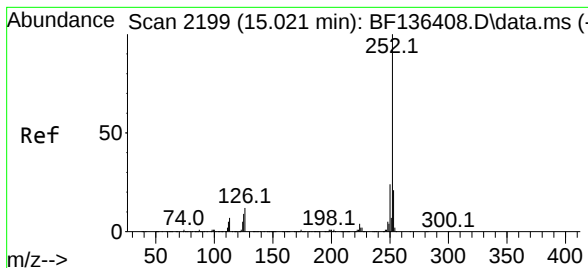
Ion Ratio Lower Upper

276 100

138 20.2 19.0 28.4

277 26.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 12.872 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

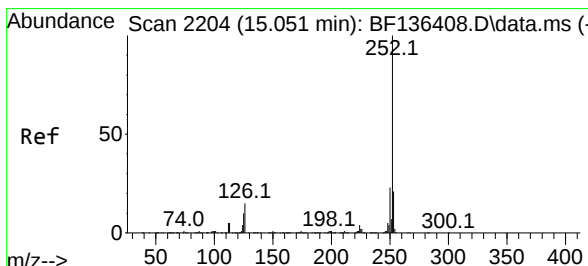
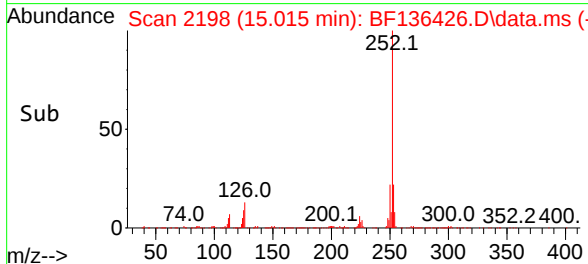
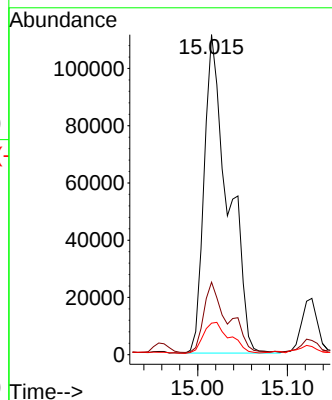
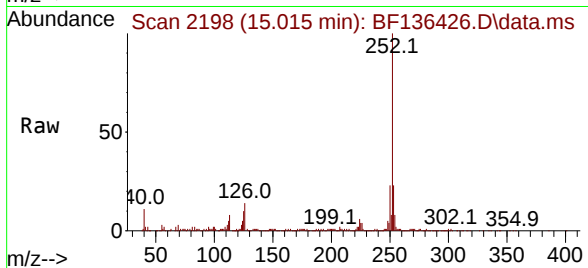
Tgt Ion:252 Resp: 206967

Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

125 9.9 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 13.659 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

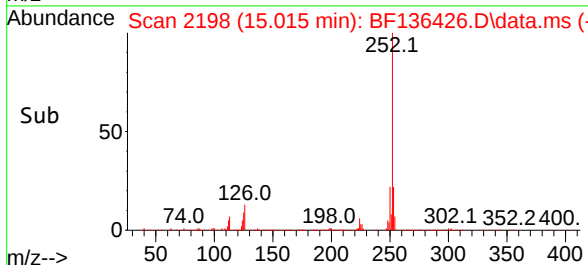
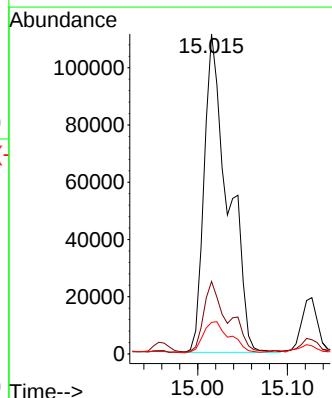
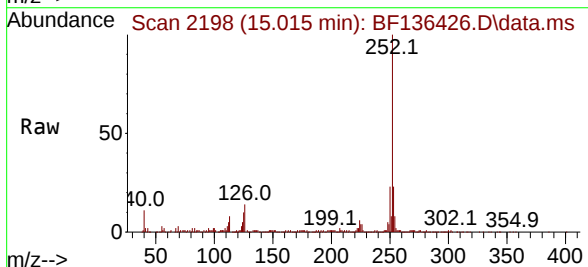
Tgt Ion:252 Resp: 206967

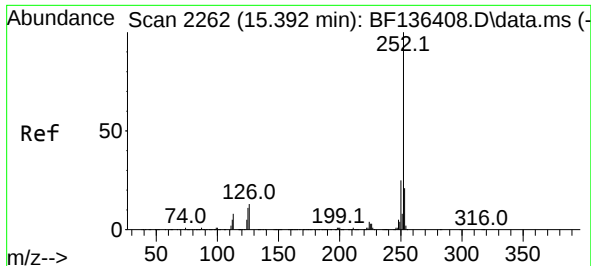
Ion Ratio Lower Upper

252 100

253 22.7 16.9 25.3

125 9.9 7.5 11.3

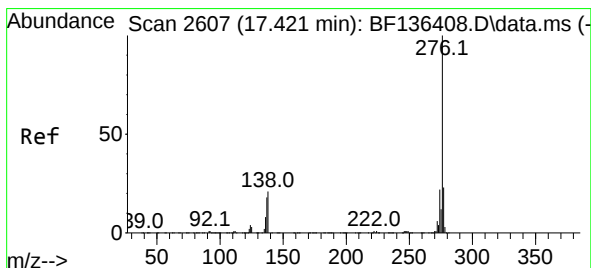
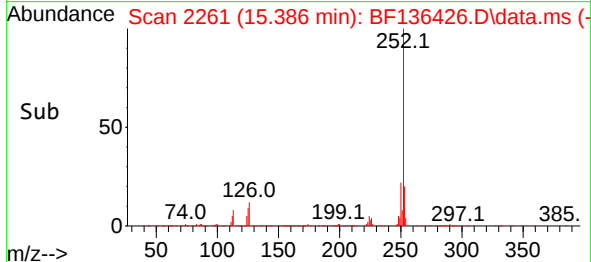
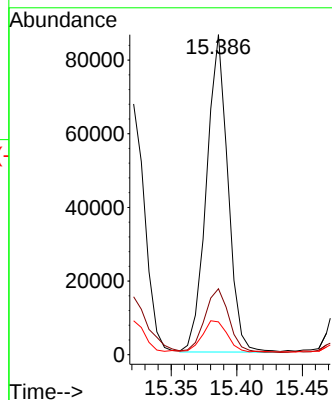
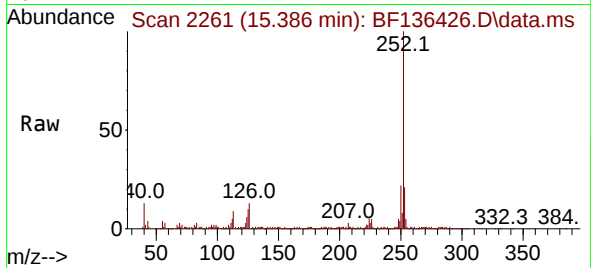




#90
Benzo(a)pyrene
Concen: 7.375 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 97935
Ion Ratio Lower Upper
252 100
253 20.6 17.0 25.4
125 10.3 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 3.598 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.024 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Tgt Ion:276 Resp: 49425
Ion Ratio Lower Upper
276 100
277 25.5 18.7 28.1
138 19.9 16.6 25.0

