

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136385.D
 Acq On : 04 Dec 2023 16:55
 Operator : CG\JU
 Sample : 05434-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 17:31:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

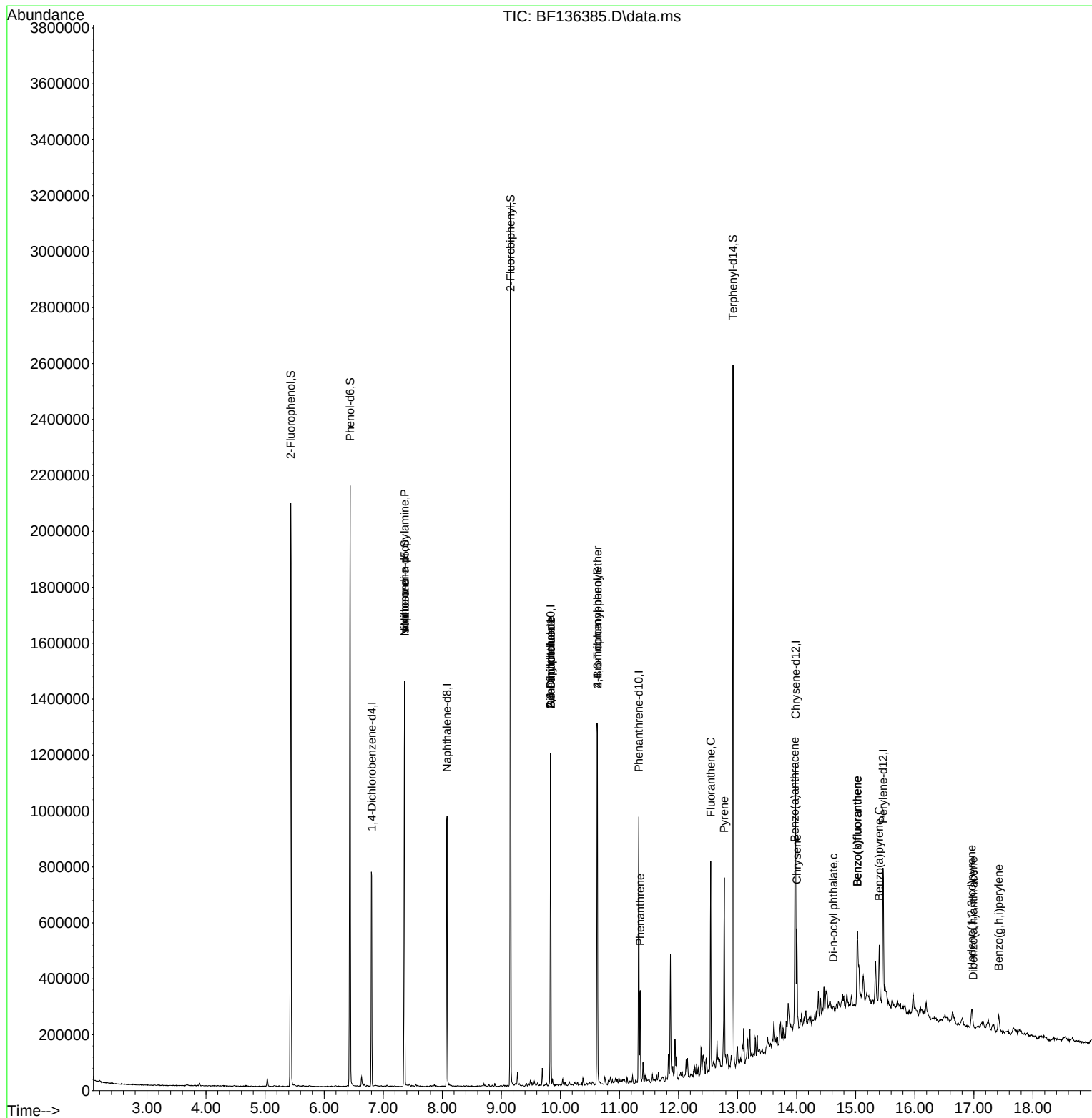
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	117774	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	447505	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	205163	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	335581	20.000	ng	0.00
76) Chrysene-d12	13.980	240	271405	20.000	ng	0.00
86) Perylene-d12	15.463	264	231336	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	615807	72.776	ng	0.00
7) Phenol-d6	6.440	99	734431	69.415	ng	0.00
23) Nitrobenzene-d5	7.363	82	442639	52.269	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	171620	68.421	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	888556	55.320	ng	0.00
79) Terphenyl-d14	12.922	244	861074	36.596	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	58007	9.167	ng	# 72
25) Isophorone	7.363	82	437949	28.680	ng	# 68
50) Dimethylphthalate	9.834	163	43144	2.782	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	25964	8.196	ng	# 24
57) 2,4-Dinitrotoluene	9.834	165	25964	6.136	ng	# 27
67) 4-Bromophenyl-phenylether	10.628	248	10372	2.649	ng	# 1
71) Phenanthrene	11.351	178	125997	6.680	ng	96
75) Fluoranthene	12.545	202	271546	14.182	ng	94
78) Pyrene	12.775	202	263725	8.873	ng	96
81) Benzo(a)anthracene	13.969	228	137975	6.844	ng	# 92
83) Chrysene	14.004	228	140435	7.215	ng	# 94
85) Di-n-octyl phthalate	14.621	149	1637	5.243	ng	# 67
87) Indeno(1,2,3-cd)pyrene	16.962	276	49932	5.406	ng	95
88) Benzo(b)fluoranthene	15.027	252	195653	12.055	ng	# 90
89) Benzo(k)fluoranthene	15.027	252	195653	12.693	ng	# 89
90) Benzo(a)pyrene	15.398	252	92512	6.973	ng	# 92
91) Dibenzo(a,h)anthracene	16.992	278	12626	3.572	ng	# 75
92) Benzo(g,h,i)perylene	17.421	276	49010	5.281	ng	94

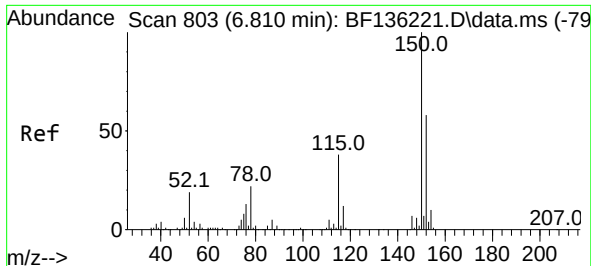
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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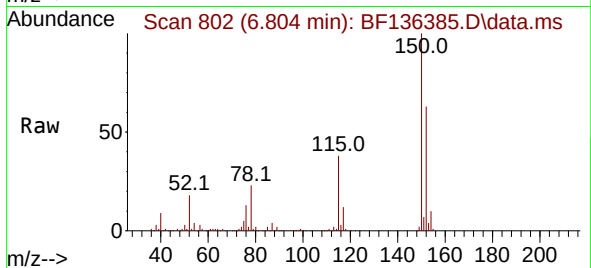
Quant Time: Dec 04 17:31:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:30:53 2023
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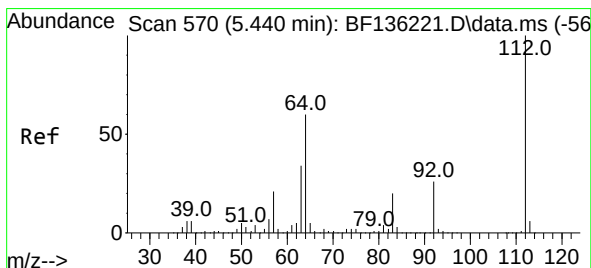
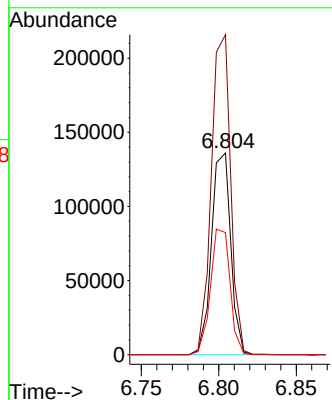
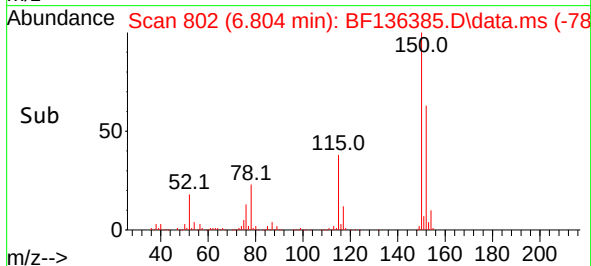


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :
BNA_F
ClientSampleId :

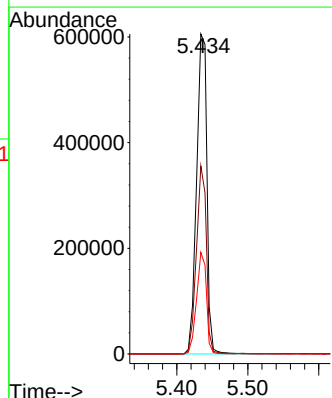
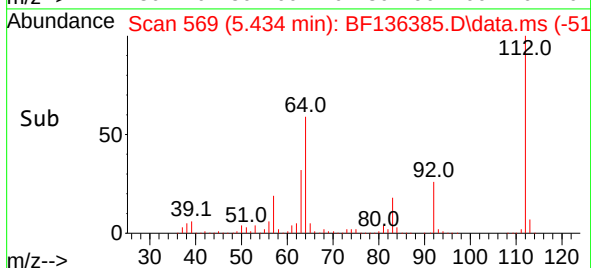
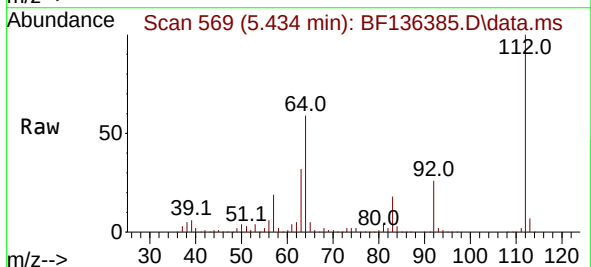


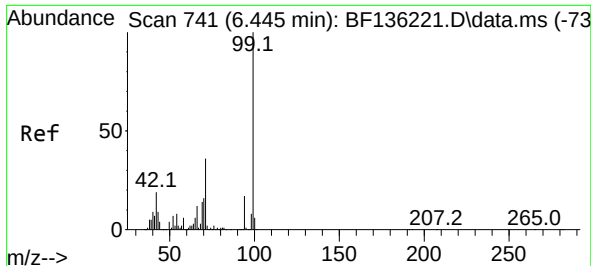
Tgt Ion:152 Resp: 117774
Ion Ratio Lower Upper
152 100
150 158.7 137.8 206.8
115 60.5 52.7 79.1



#5
2-Fluorophenol
Concen: 72.776 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

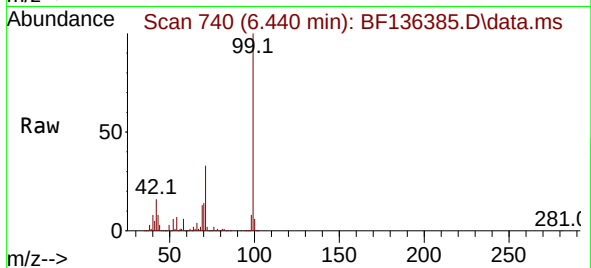
Tgt Ion:112 Resp: 615807
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.4
63 31.7 27.0 40.6



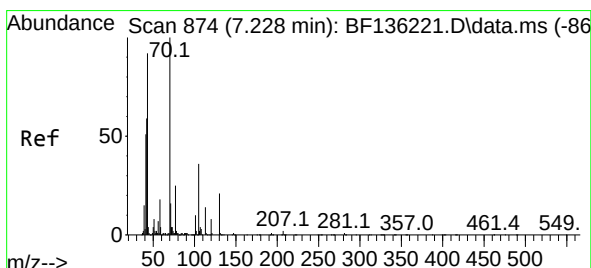
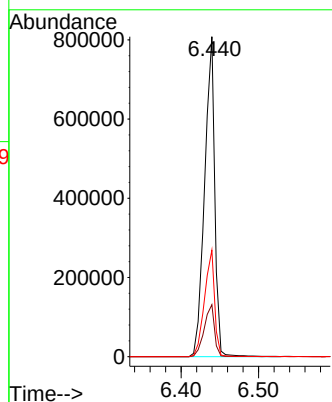
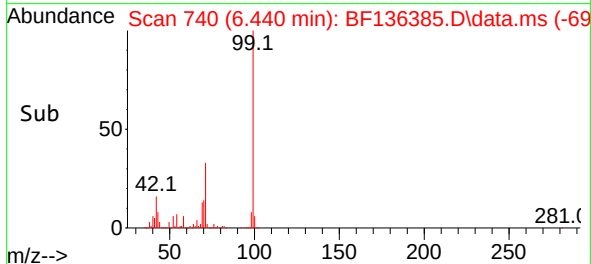


#7
Phenol-d6
Concen: 69.415 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :
BNA_F
ClientSampleId :

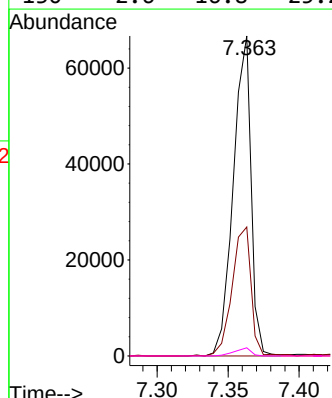
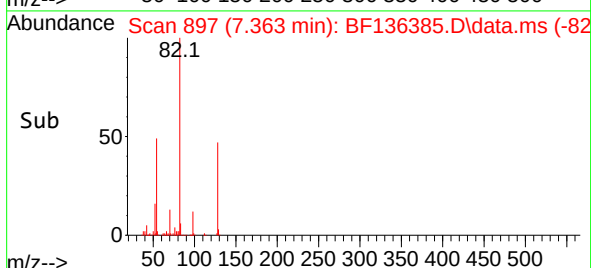
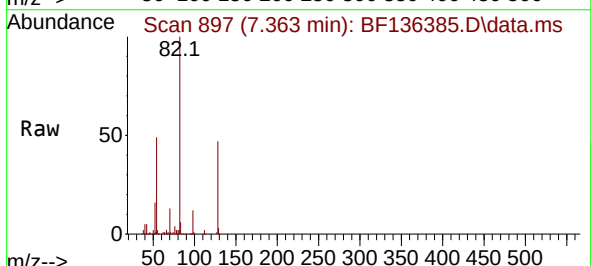


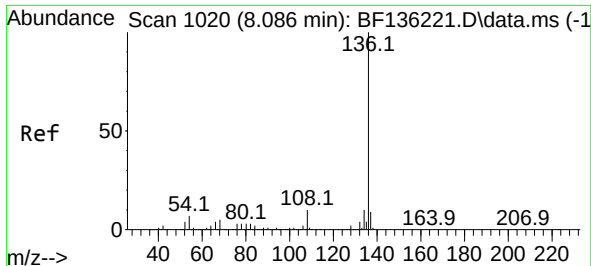
Tgt Ion: 99 Resp: 734431
Ion Ratio Lower Upper
99 100
42 16.3 15.0 22.6
71 33.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.167 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

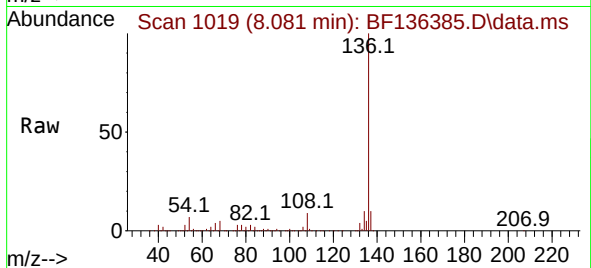
Tgt Ion: 70 Resp: 58007
Ion Ratio Lower Upper
70 100
42 40.3 47.0 70.4#
101 0.0 7.8 11.8#
130 2.6 16.8 25.2#



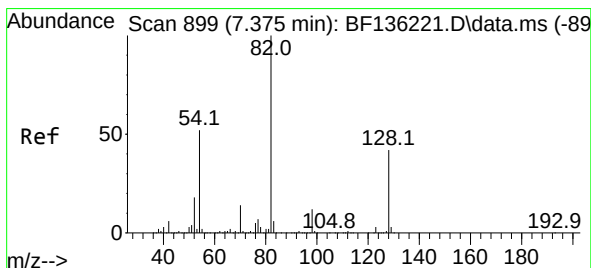
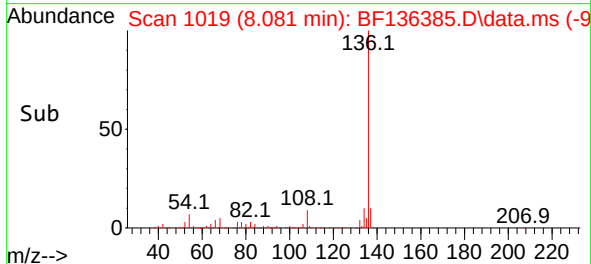
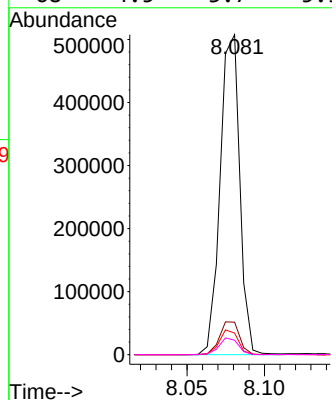


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :
BNA_F
ClientSampleId :

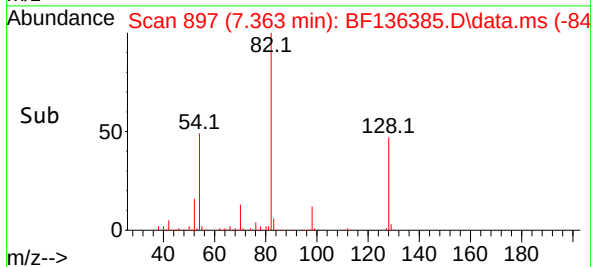
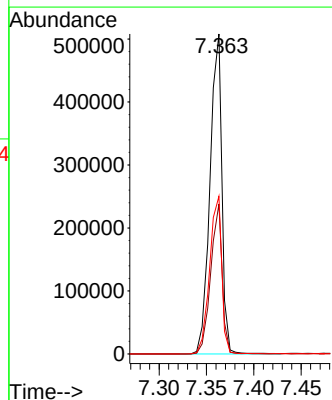
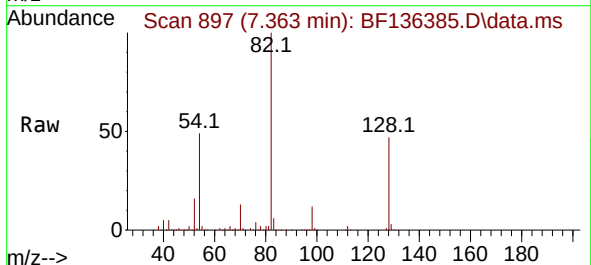


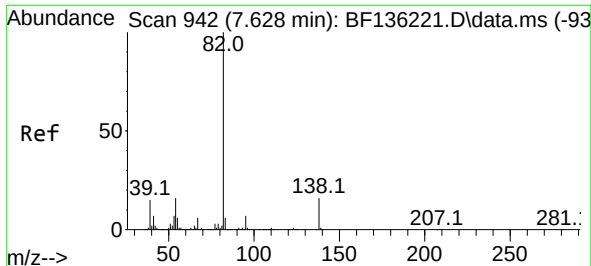
Tgt Ion:136 Resp: 447505
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 6.8 5.5 8.3
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 52.269 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

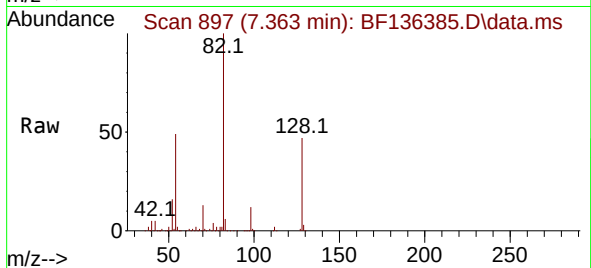
Tgt Ion: 82 Resp: 442639
Ion Ratio Lower Upper
82 100
128 46.9 33.4 50.2
54 49.3 41.7 62.5



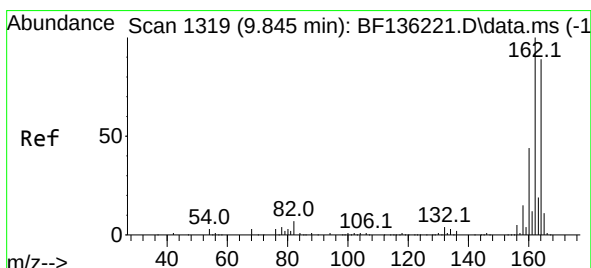
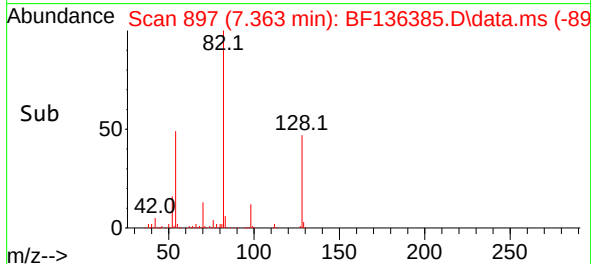
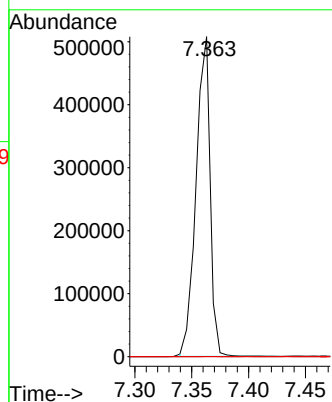


#25
Isophorone
Concen: 28.680 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :
BNA_F
ClientSampleId :

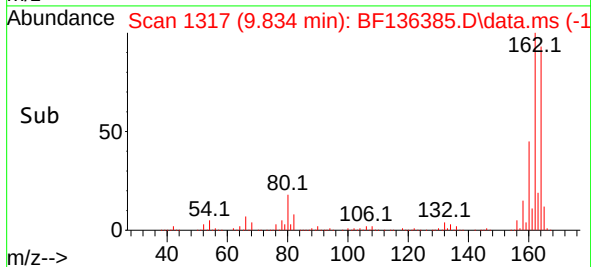
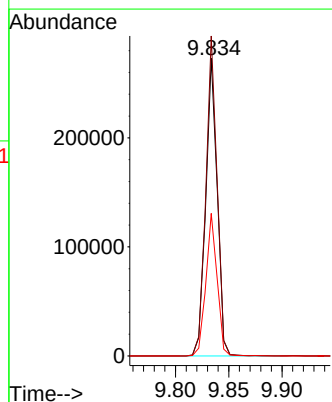
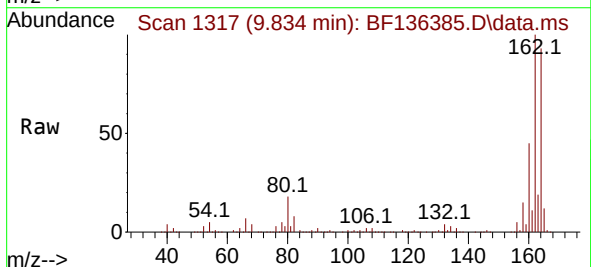


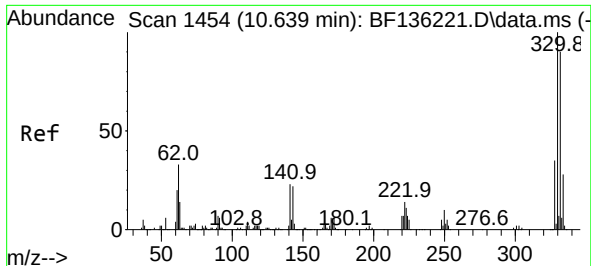
Tgt Ion: 82 Resp: 437949
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion: 164 Resp: 205163
Ion Ratio Lower Upper
164 100
162 107.5 89.5 134.3
160 47.9 39.6 59.4



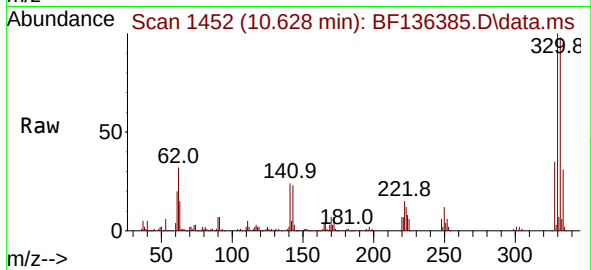


#42
2,4,6-Tribromophenol
Concen: 68.421 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

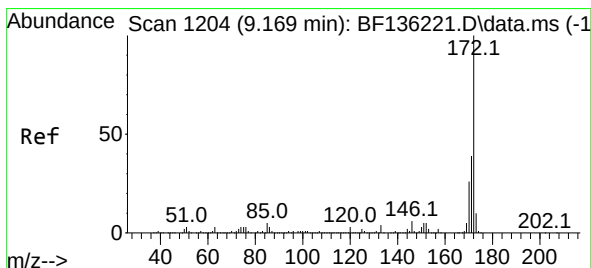
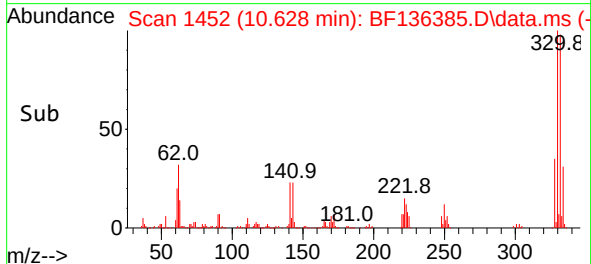
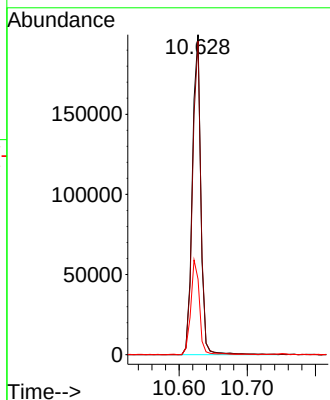
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BNA_F

ClientSampleId :

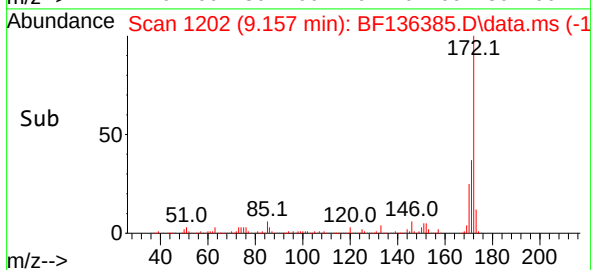
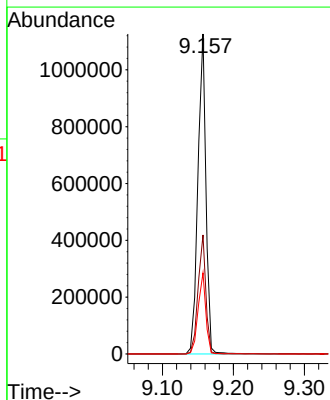
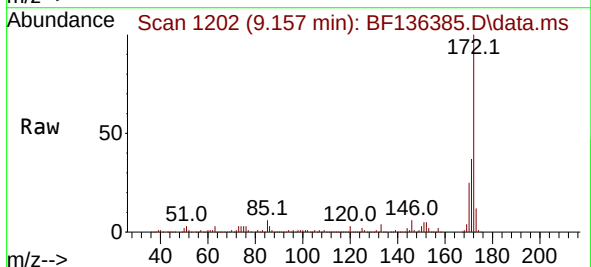


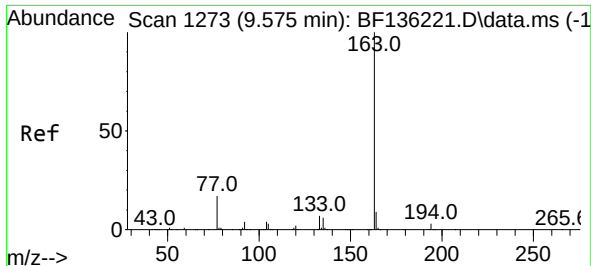
Tgt Ion:330 Resp: 171620
Ion Ratio Lower Upper
330 100
332 96.9 73.0 109.6
141 30.5 24.2 36.2



#45
2-Fluorobiphenyl
Concen: 55.320 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:172 Resp: 888556
Ion Ratio Lower Upper
172 100
171 37.2 31.5 47.3
170 25.4 20.8 31.2

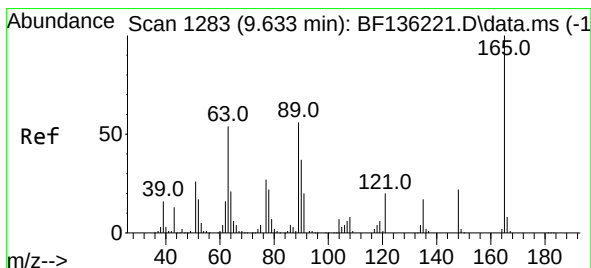
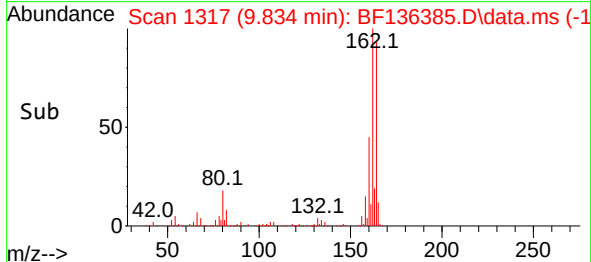
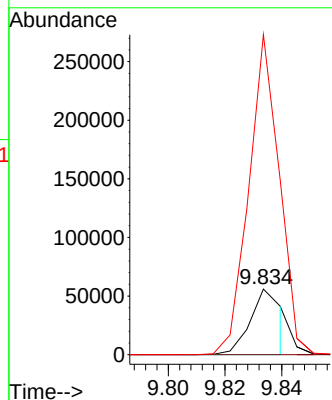
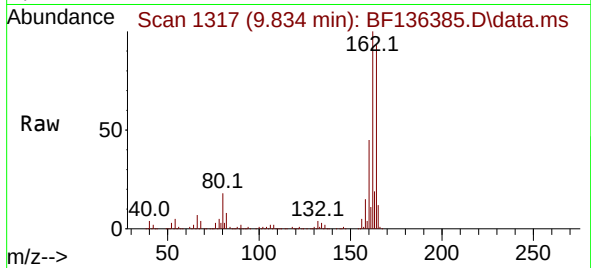




#50
Dimethylphthalate
Concen: 2.782 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

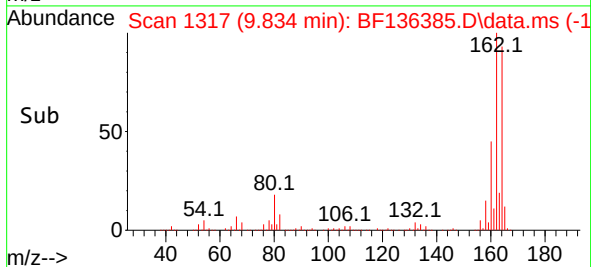
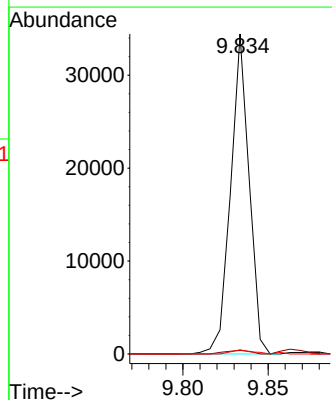
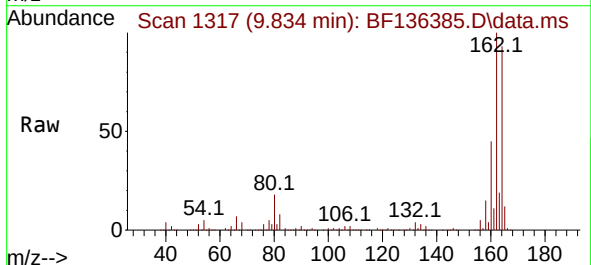
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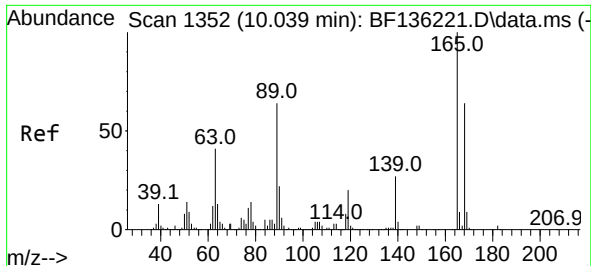
Tgt Ion:163 Resp: 43144
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 487.8 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.196 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

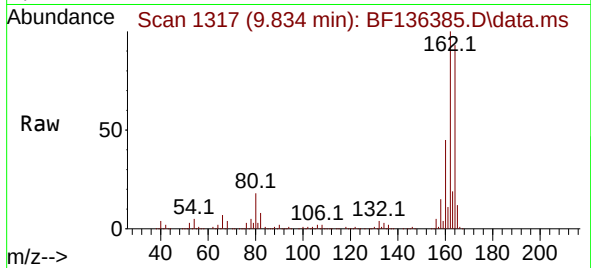
Tgt Ion:165 Resp: 25964
Ion Ratio Lower Upper
165 100
63 1.1 46.2 69.2#
89 1.3 44.9 67.3#



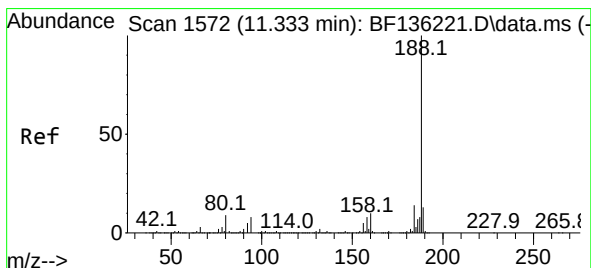
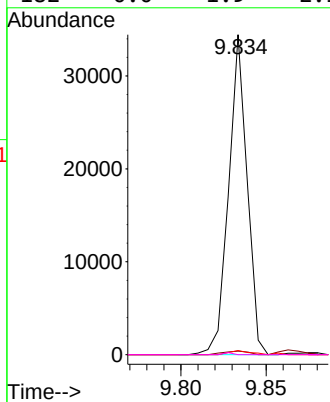
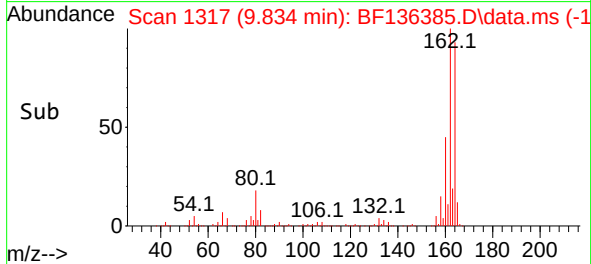


#57
2,4-Dinitrotoluene
Concen: 6.136 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

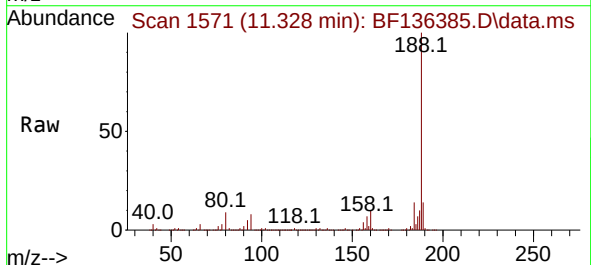
Instrument :
BNA_F
ClientSampleId :



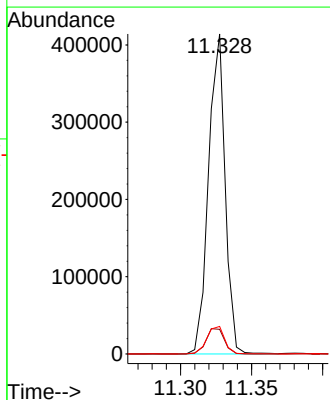
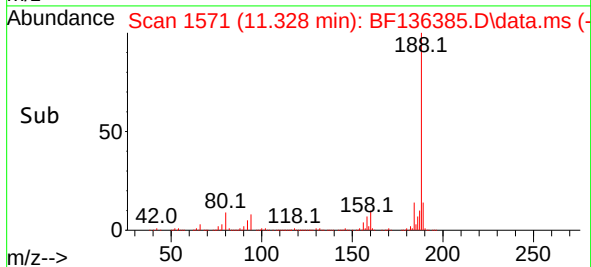
Tgt Ion:165 Resp: 25964
Ion Ratio Lower Upper
165 100
63 1.1 33.0 49.4#
89 1.3 51.5 77.3#
182 0.0 1.9 2.9#

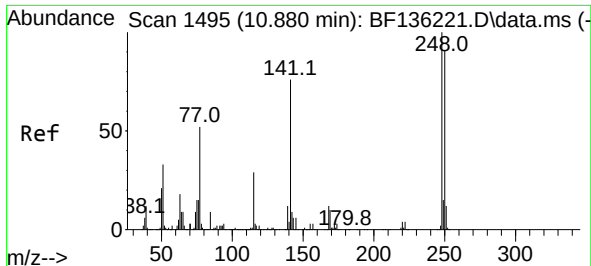


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55



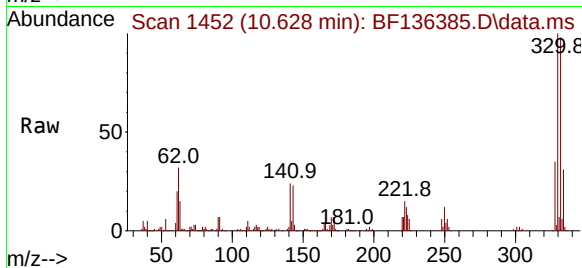
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Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.6 7.2 10.8



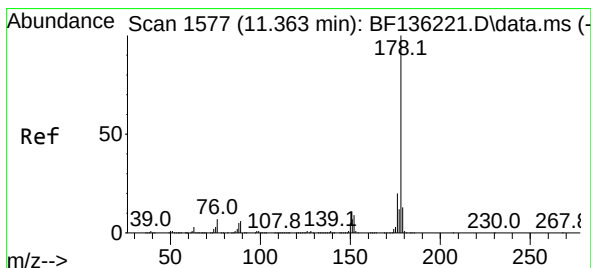
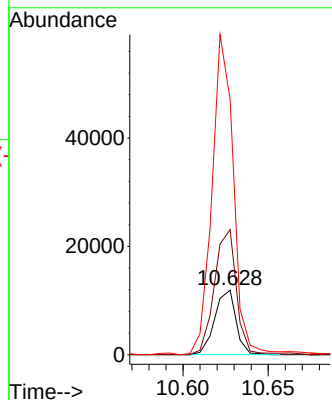
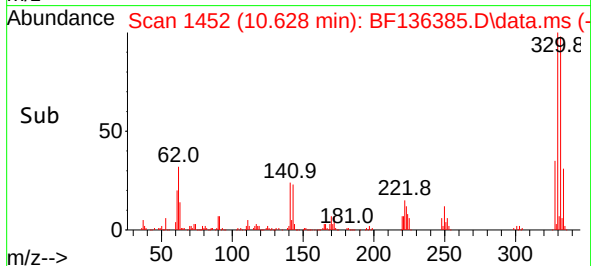


#67
4-Bromophenyl-phenylether
Concen: 2.649 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.247 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

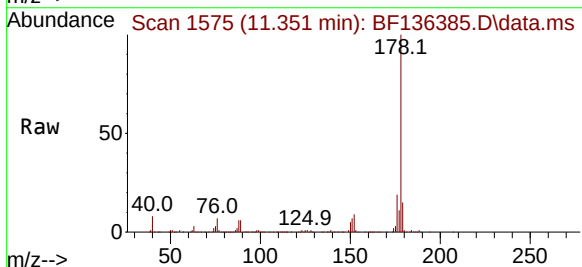
Instrument :
BNA_F
ClientSampleId :



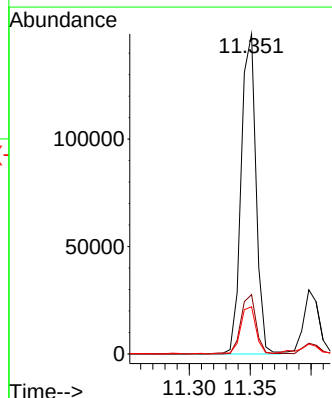
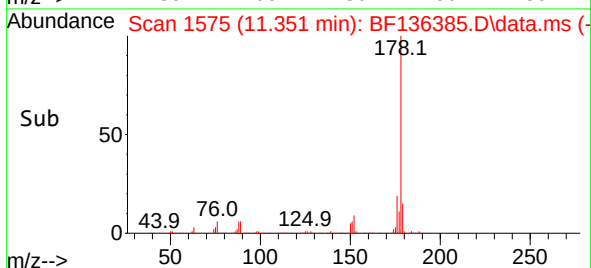
Tgt Ion:248 Resp: 10372
Ion Ratio Lower Upper
248 100
250 193.8 72.5 108.7#
141 395.2 60.8 91.2#

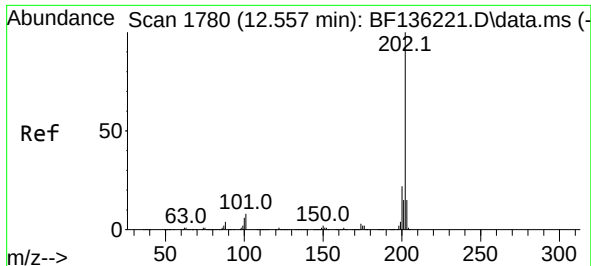


#71
Phenanthrene
Concen: 6.680 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55



Tgt Ion:178 Resp: 125997
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.2
179 14.7 10.3 15.5

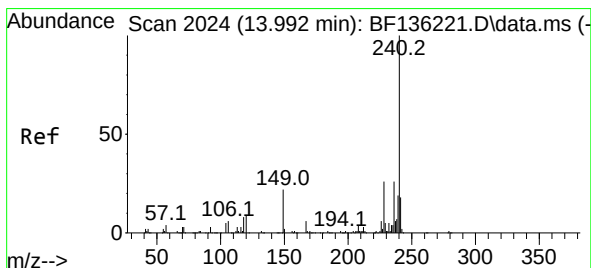
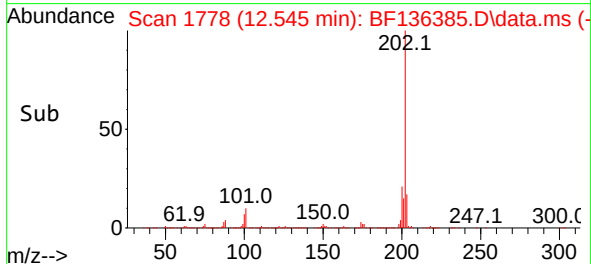
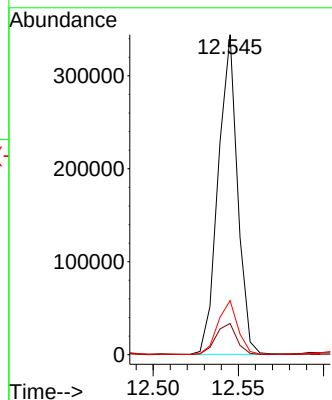
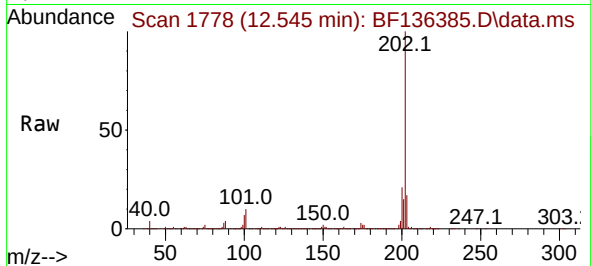




#75
Fluoranthene
Concen: 14.182 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

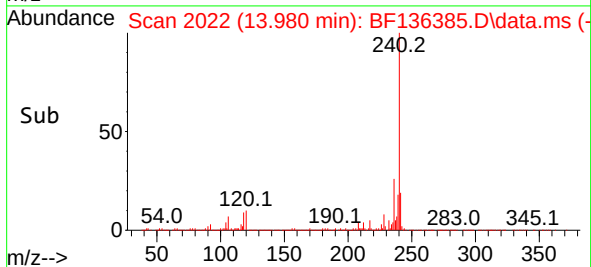
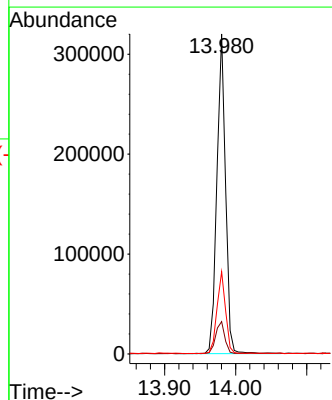
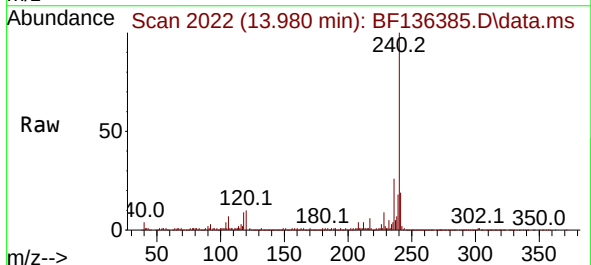
Instrument :
BNA_F
ClientSampleId :

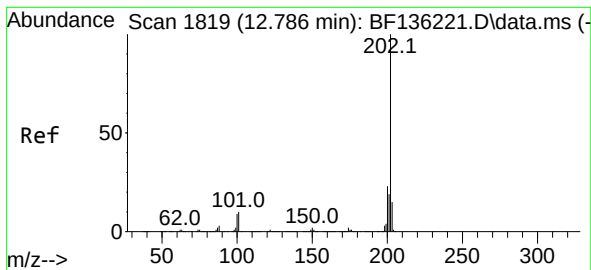
Tgt Ion:202 Resp: 271546
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.8
203 16.9 0.0 34.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:240 Resp: 271405
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.2
236 25.7 21.1 31.7





#78

Pyrene

Concen: 8.873 ng

RT: 12.775 min Scan# 1819

Delta R.T. 0.000 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

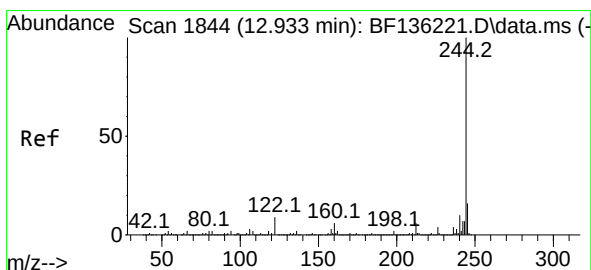
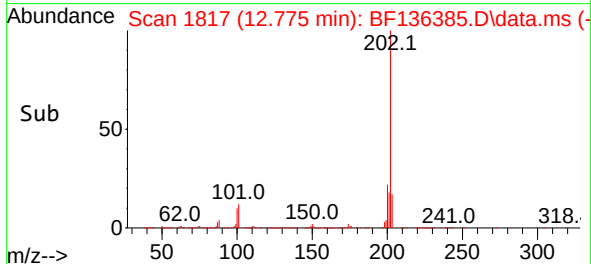
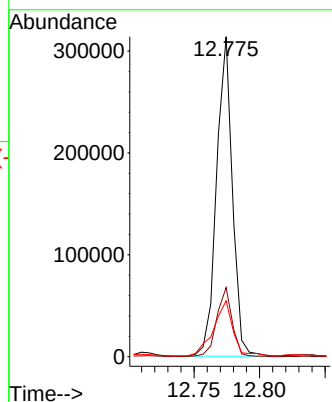
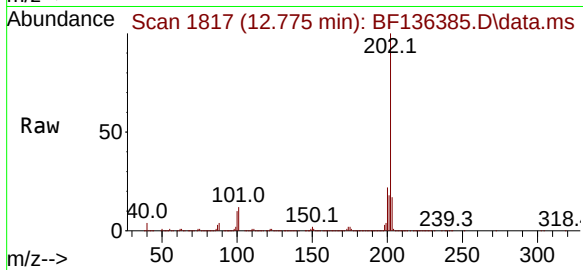
Tgt Ion:202 Resp: 263725

Ion Ratio Lower Upper

202 100

200 21.6 18.4 27.6

203 17.4 11.8 17.6



#79

Terphenyl-d14

Concen: 36.596 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

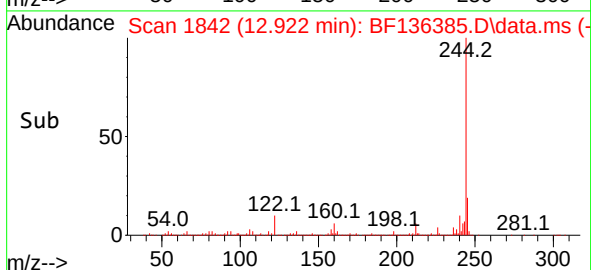
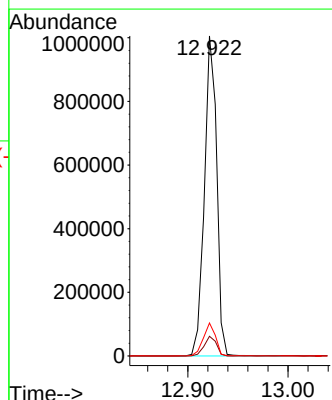
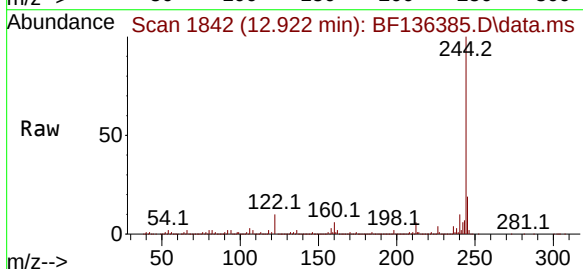
Tgt Ion:244 Resp: 861074

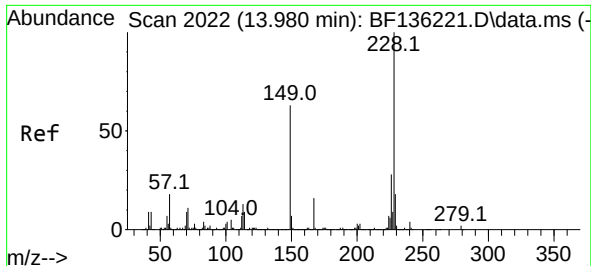
Ion Ratio Lower Upper

244 100

212 6.2 4.6 7.0

122 10.3 7.3 10.9

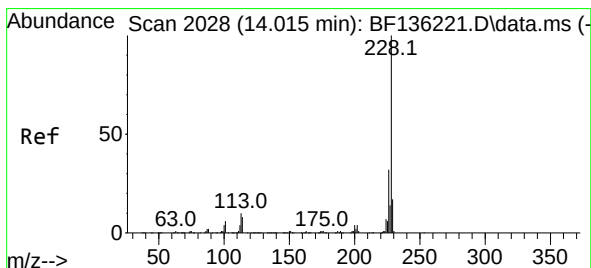
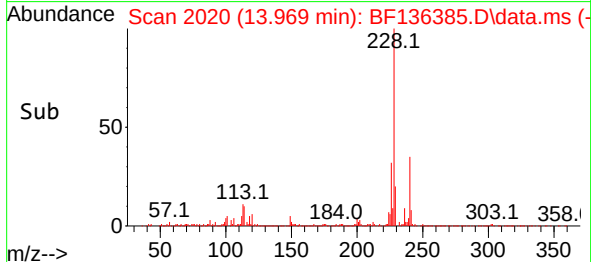
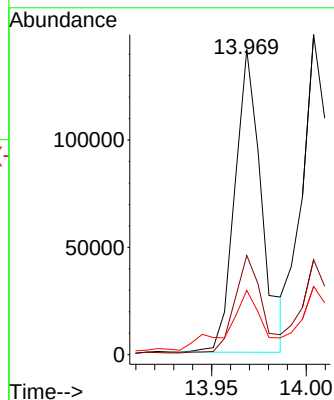
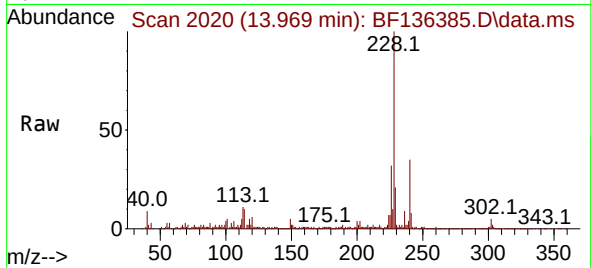




#81
Benzo(a)anthracene
Concen: 6.844 ng
RT: 13.969 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

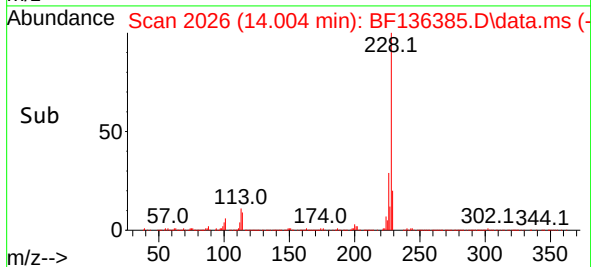
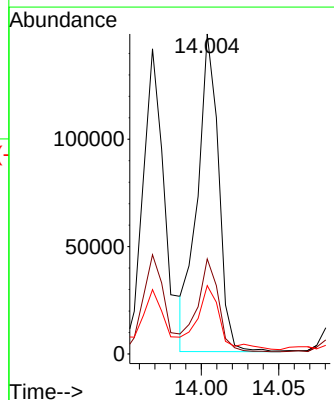
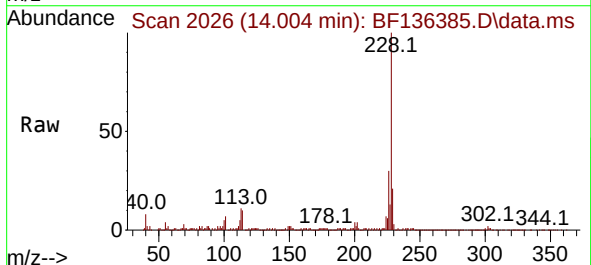
Instrument :
BNA_F
ClientSampleId :

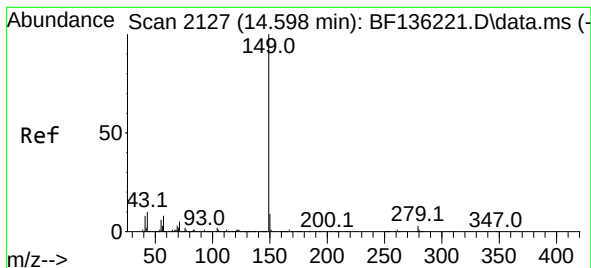
Tgt Ion:228 Resp: 137975
Ion Ratio Lower Upper
228 100
226 32.5 22.6 34.0
229 21.1 14.0 21.0#



#83
Chrysene
Concen: 7.215 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:228 Resp: 140435
Ion Ratio Lower Upper
228 100
226 29.7 25.5 38.3
229 21.3 13.9 20.9#





#85

Di-n-octyl phthalate

Concen: 5.243 ng

RT: 14.621 min Scan# 21

Delta R.T. 0.036 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

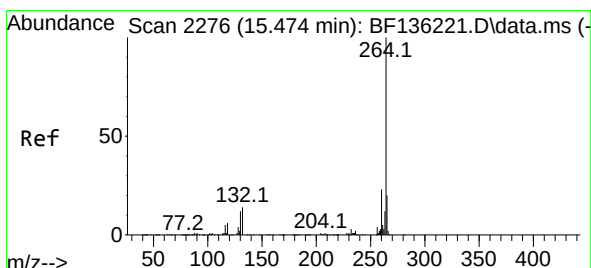
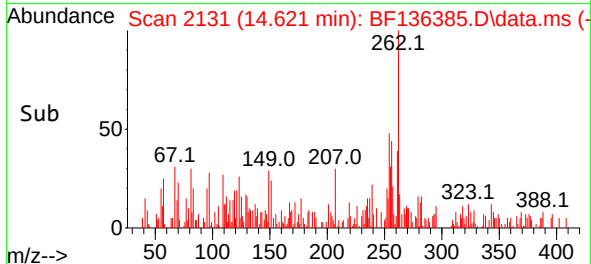
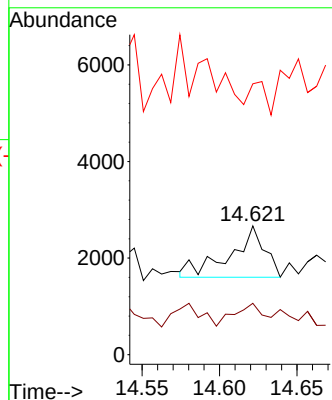
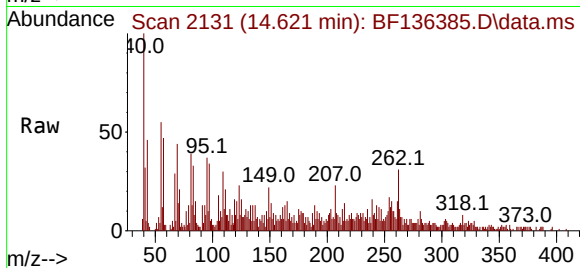
Tgt Ion:149 Resp: 1637

Ion Ratio Lower Upper

149 100

167 37.1 1.0 1.6#

43 0.0 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

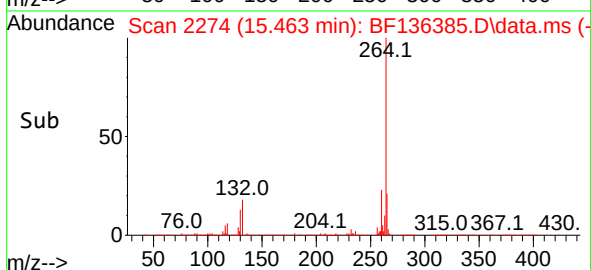
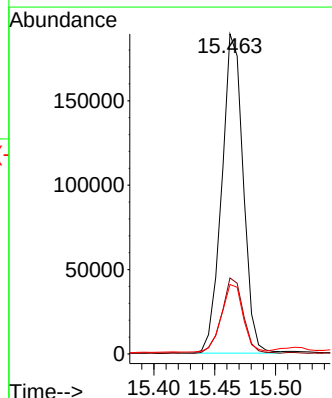
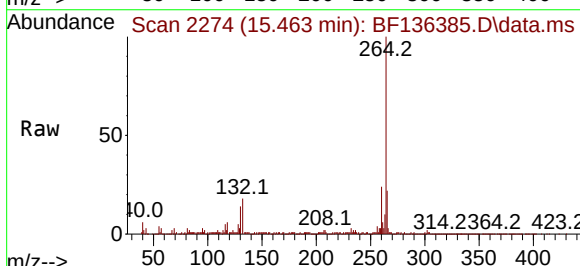
Tgt Ion:264 Resp: 231336

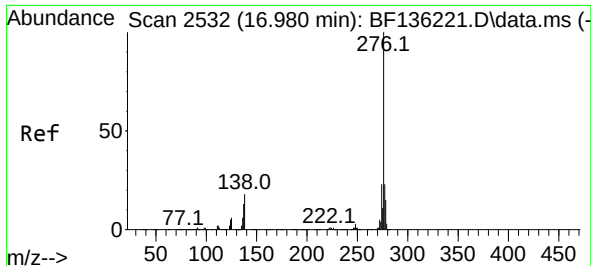
Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.7 15.7 23.5

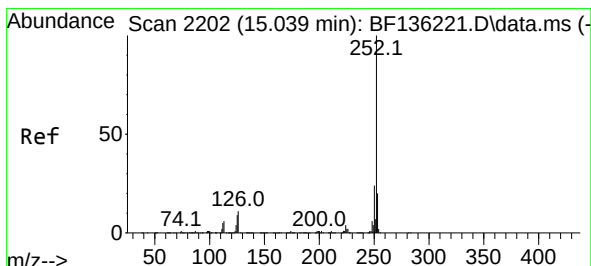
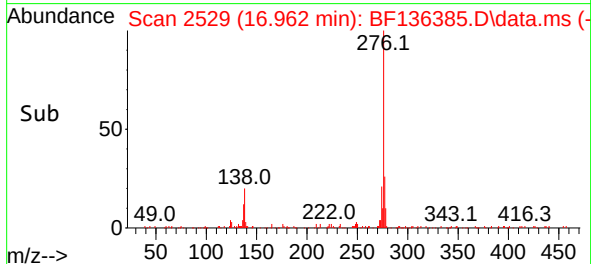
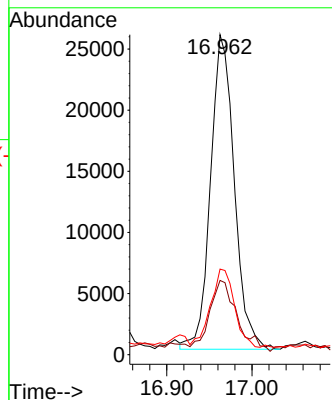
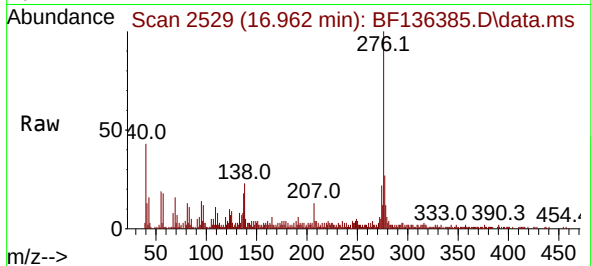




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.406 ng
 RT: 16.962 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136385.D
 Acq: 04 Dec 2023 16:55

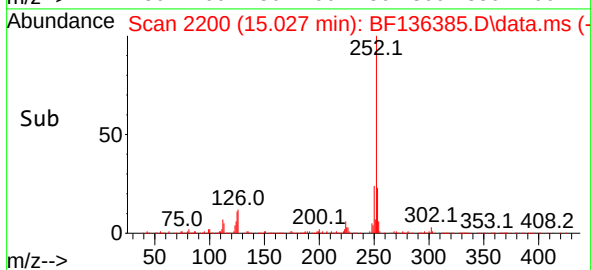
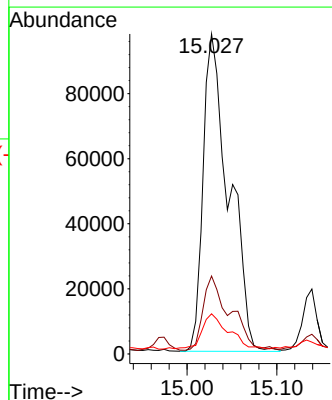
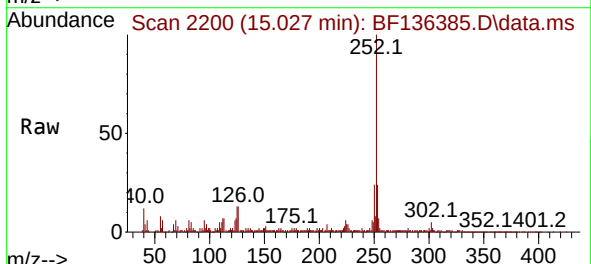
Instrument :
 BNA_F
 ClientSampleId :

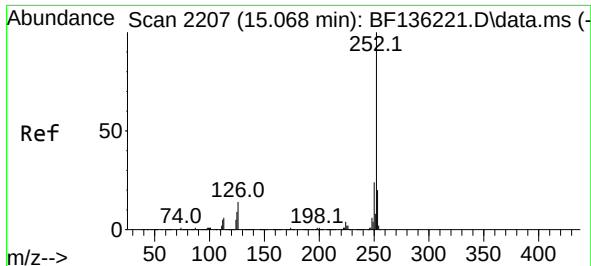
Tgt Ion:276 Resp: 49932
 Ion Ratio Lower Upper
 276 100
 138 26.1 17.7 26.5
 277 25.0 19.6 29.4



#88
 Benzo(b)fluoranthene
 Concen: 12.055 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. 0.000 min
 Lab File: BF136385.D
 Acq: 04 Dec 2023 16:55

Tgt Ion:252 Resp: 195653
 Ion Ratio Lower Upper
 252 100
 253 24.4 16.2 24.2#
 125 12.6 6.9 10.3#

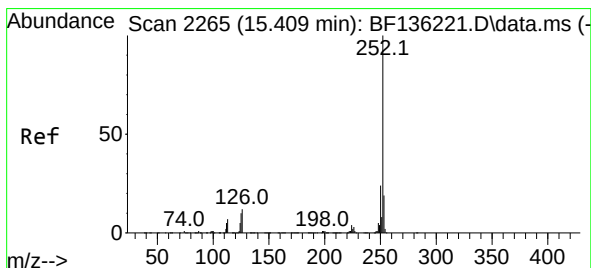
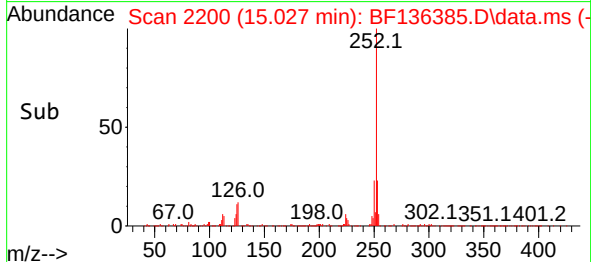
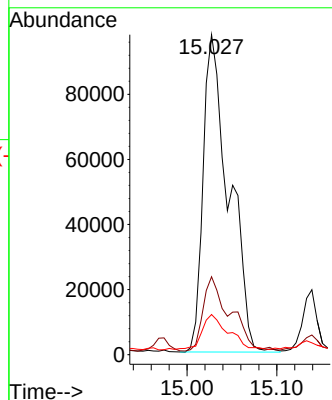
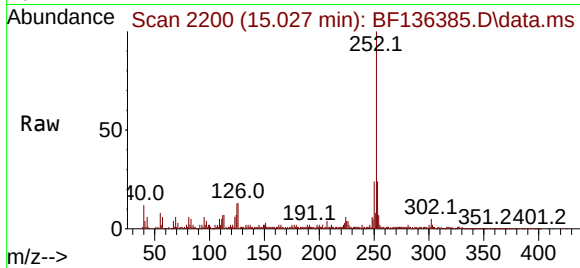




#89
Benzo(k)fluoranthene
Concen: 12.693 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

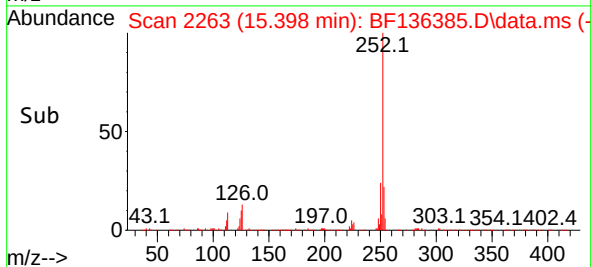
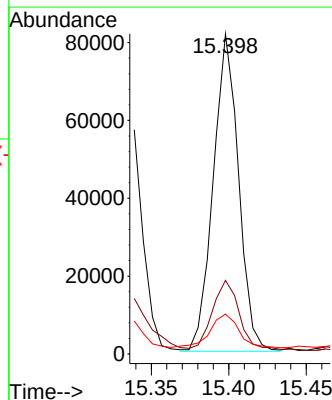
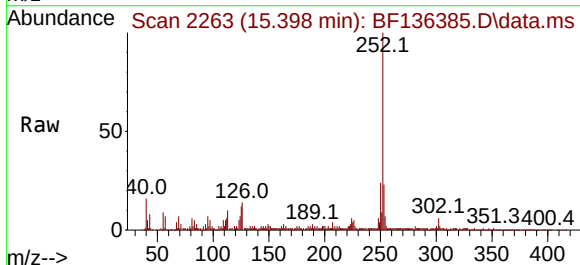
Instrument :
BNA_F
ClientSampleId :

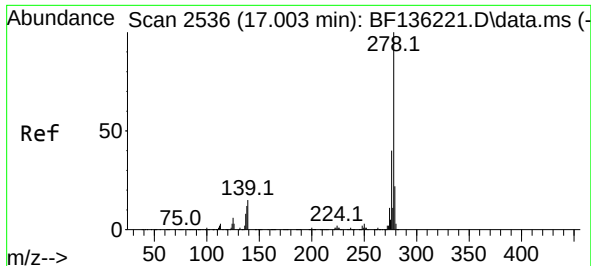
Tgt Ion:252 Resp: 195653
Ion Ratio Lower Upper
252 100
253 24.4 15.6 23.4#
125 12.6 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 6.973 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:252 Resp: 92512
Ion Ratio Lower Upper
252 100
253 23.0 15.5 23.3
125 12.4 7.9 11.9#

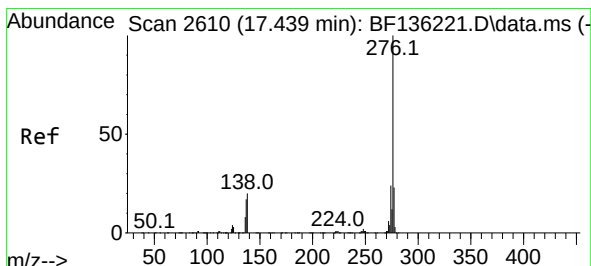
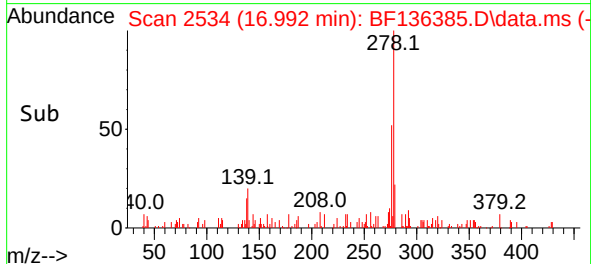
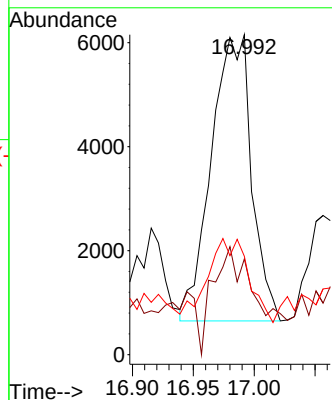
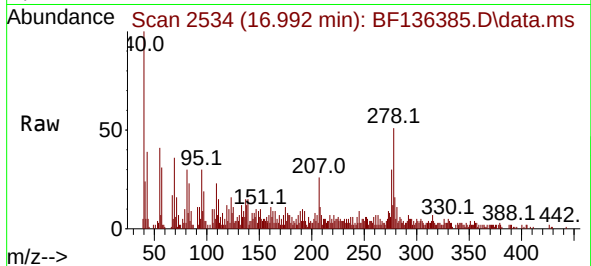




#91
Dibenzo(a,h)anthracene
Concen: 3.572 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 12626
Ion Ratio Lower Upper
278 100
139 30.0 11.7 17.5#
279 30.7 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 5.281 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:276 Resp: 49010
Ion Ratio Lower Upper
276 100
277 25.7 18.6 27.8
138 23.4 15.8 23.8

