

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136258.D
 Acq On : 28 Nov 2023 20:01
 Operator : CG\JU
 Sample : 05505-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Quant Time: Nov 29 00:49:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

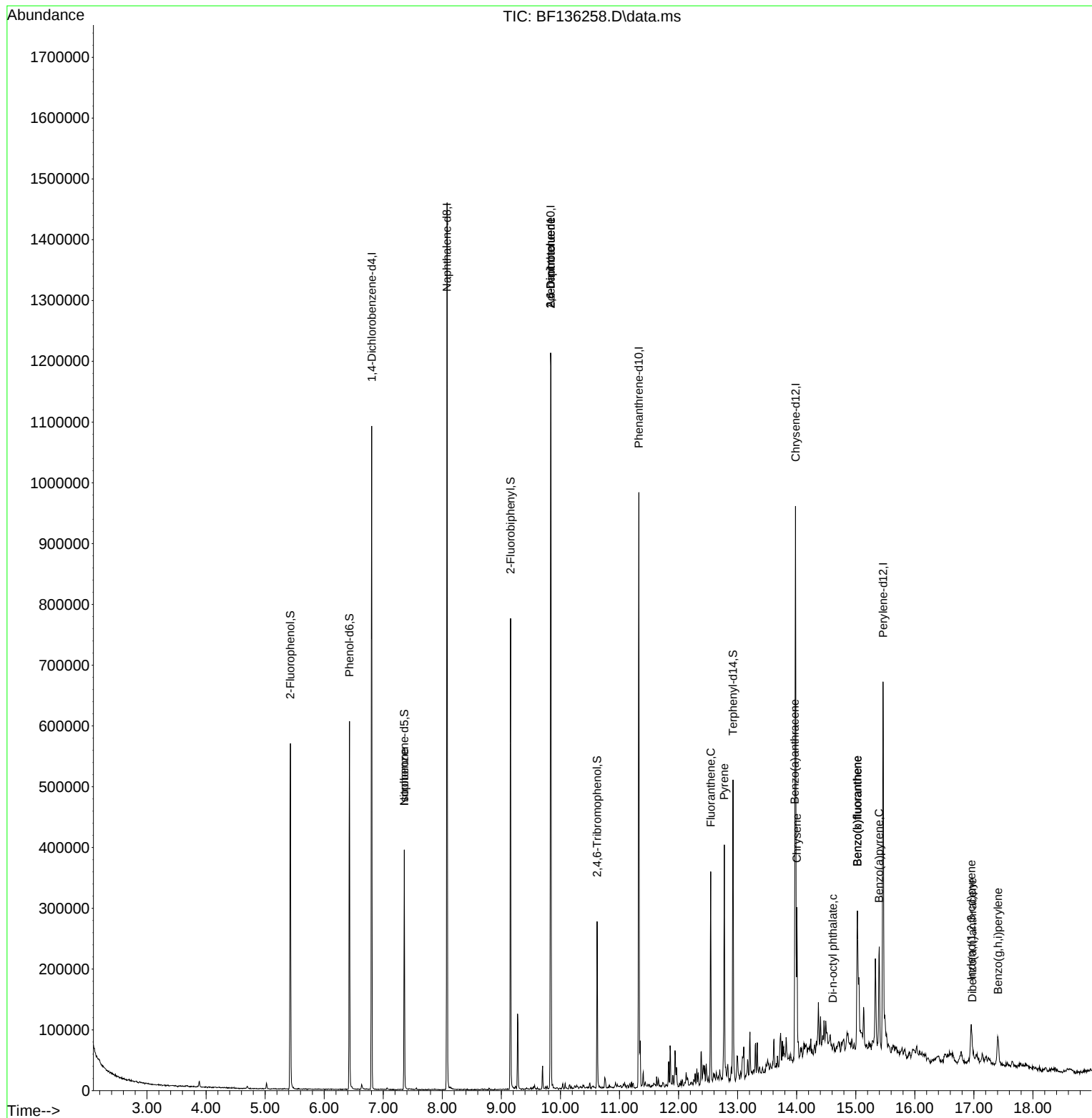
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	142656	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	561675	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	244864	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	341725	20.000	ng	0.00
76) Chrysene-d12	13.980	240	264492	20.000	ng	-0.01
86) Perylene-d12	15.463	264	277020	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	138472	13.510	ng	-0.01
7) Phenol-d6	6.428	99	173145	13.511	ng	-0.02
23) Nitrobenzene-d5	7.357	82	101482	9.548	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	28190	9.417	ng	-0.02
45) 2-Fluorobiphenyl	9.157	172	219545	11.452	ng	-0.01
79) Terphenyl-d14	12.922	244	155682	6.790	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.357	82	101481	5.295	ng	# 68
51) 2,6-Dinitrotoluene	9.833	165	30452	8.054	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	30452	6.030	ng	# 28
75) Fluoranthene	12.545	202	127462	6.537	ng	95
78) Pyrene	12.774	202	146373	5.053	ng	98
81) Benzo(a)anthracene	13.968	228	100654	5.123	ng	96
83) Chrysene	14.004	228	93891	4.950	ng	96
85) Di-n-octyl phthalate	14.610	149	392	5.182	ng	# 48
87) Indeno(1,2,3-cd)pyrene	16.957	276	40134	4.509	ng	98
88) Benzo(b)fluoranthene	15.027	252	166884	8.587	ng	97
89) Benzo(k)fluoranthene	15.027	252	166884	9.041	ng	96
90) Benzo(a)pyrene	15.398	252	83293	5.243	ng	97
91) Dibenzo(a,h)anthracene	16.974	278	11313	3.356	ng	# 81
92) Benzo(g,h,i)perylene	17.409	276	38513	4.119	ng	# 93

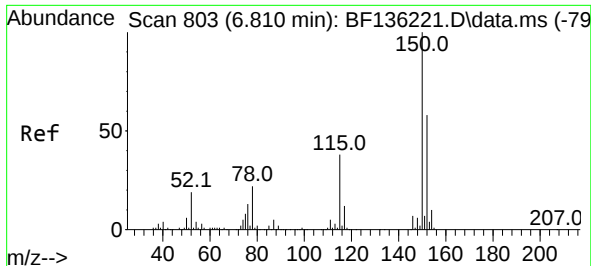
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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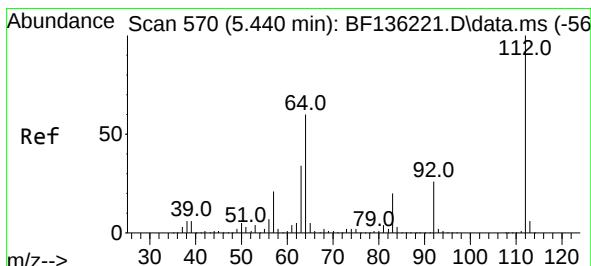
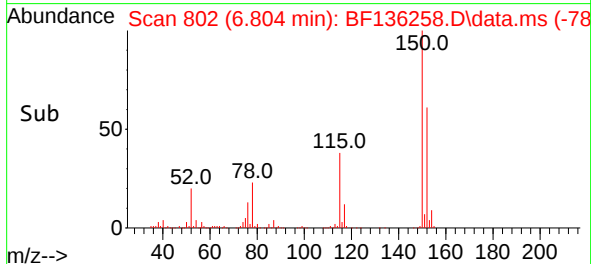
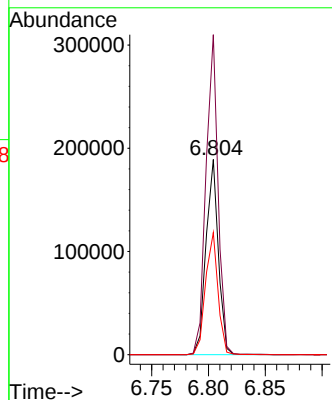
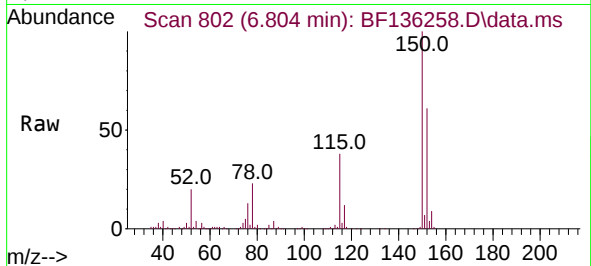




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

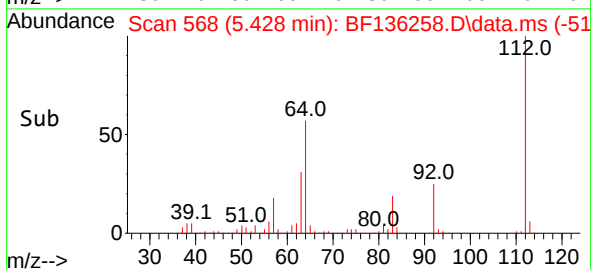
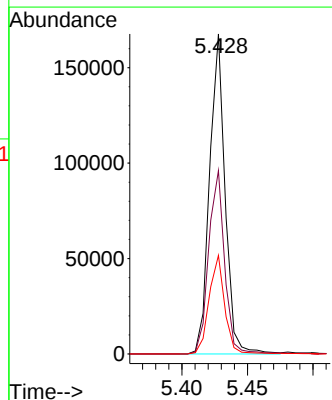
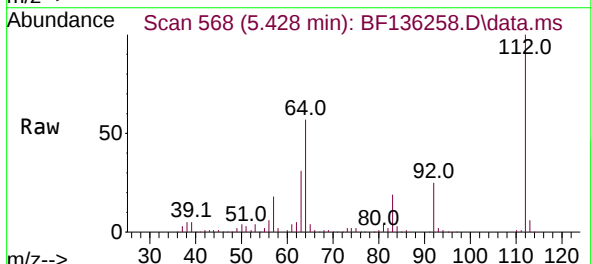
Instrument :
BNA_F
ClientSampleId :
TP-A

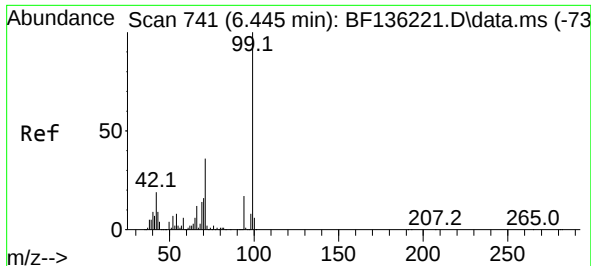
Tgt Ion:152 Resp: 142656
Ion Ratio Lower Upper
152 100
150 163.9 137.8 206.8
115 62.6 52.7 79.1



#5
2-Fluorophenol
Concen: 13.510 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:112 Resp: 138472
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.4
63 30.8 27.0 40.6





#7

Phenol-d6

Concen: 13.511 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

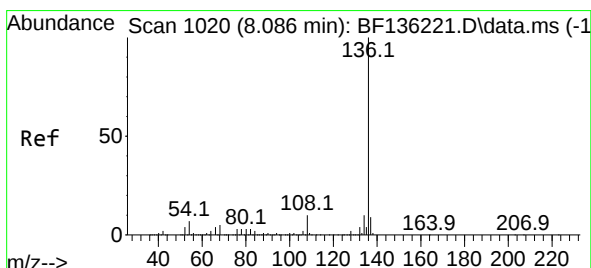
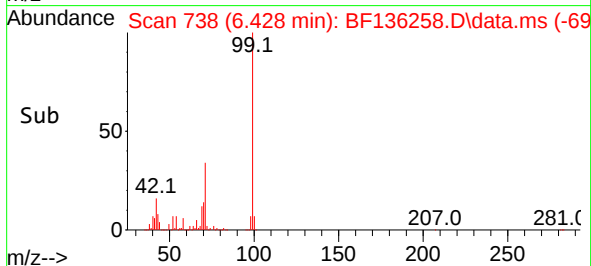
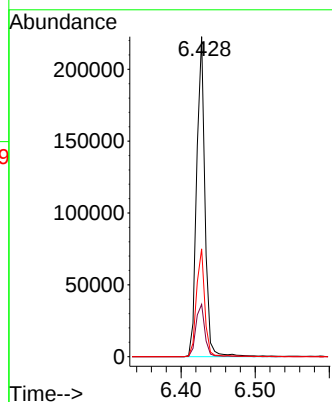
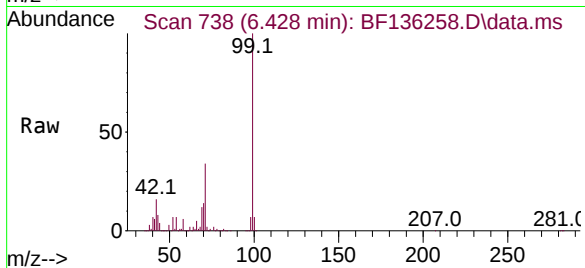
Tgt Ion: 99 Resp: 173145

Ion Ratio Lower Upper

99 100

42 16.4 15.0 22.6

71 33.7 28.9 43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Tgt Ion:136 Resp: 561675

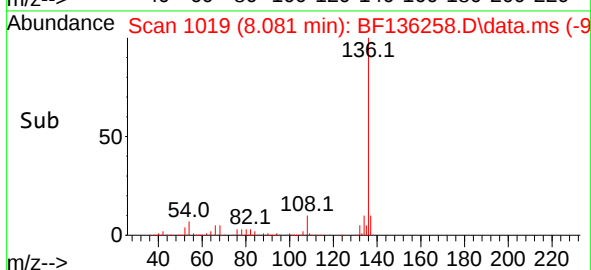
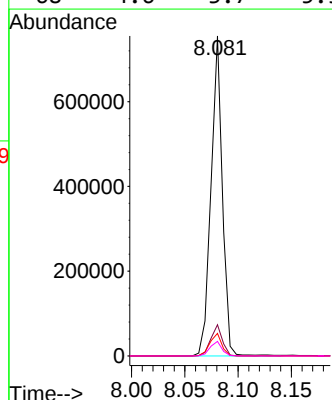
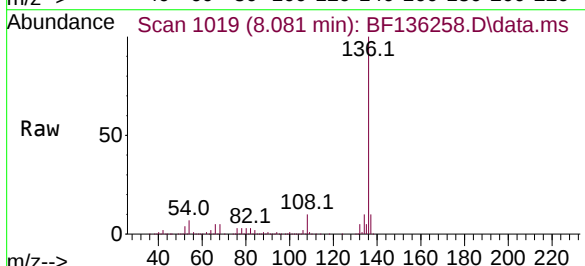
Ion Ratio Lower Upper

136 100

137 9.8 7.4 11.2

54 7.0 5.5 8.3

68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 9.548 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

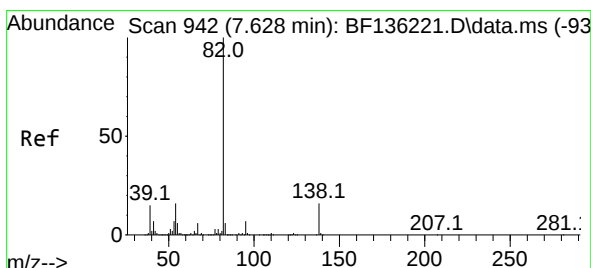
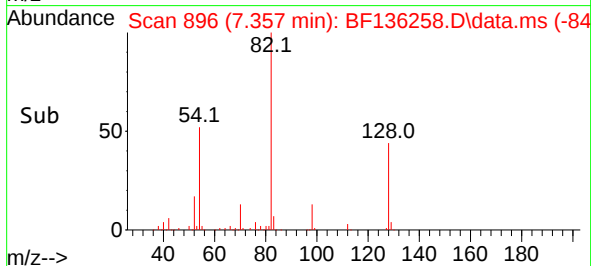
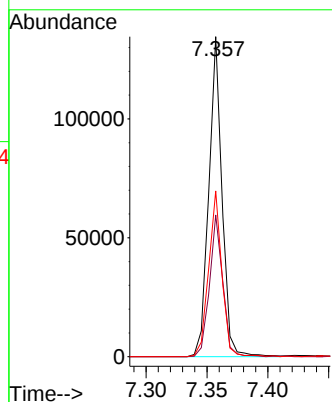
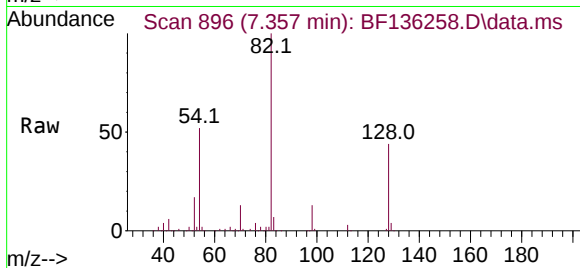
Tgt Ion: 82 Resp: 101482

Ion Ratio Lower Upper

82 100

128 44.3 33.4 50.2

54 51.8 41.7 62.5



#25

Isophorone

Concen: 5.295 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.270 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

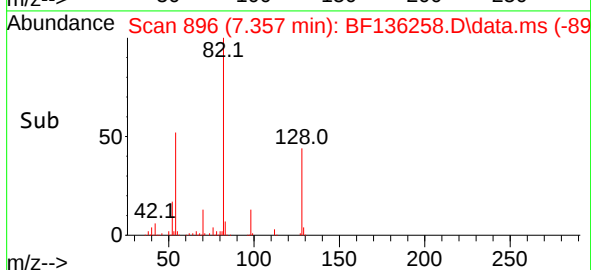
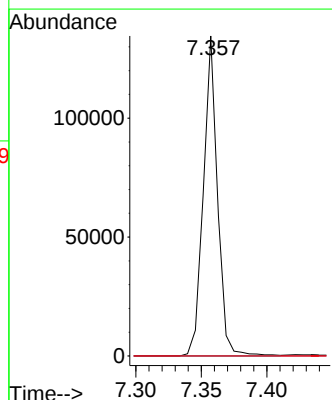
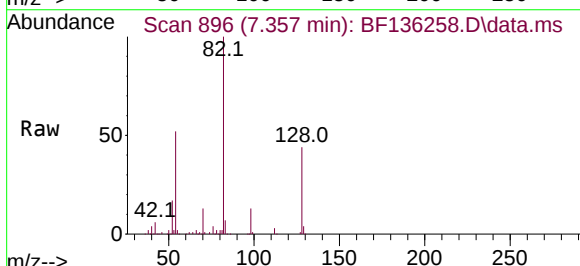
Tgt Ion: 82 Resp: 101481

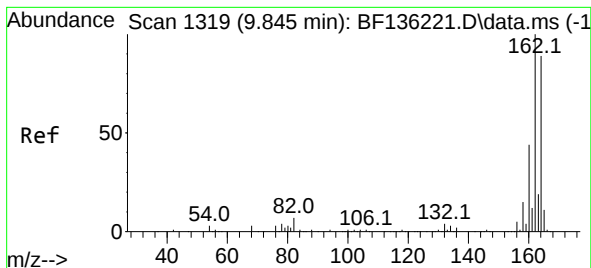
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 12.8 19.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

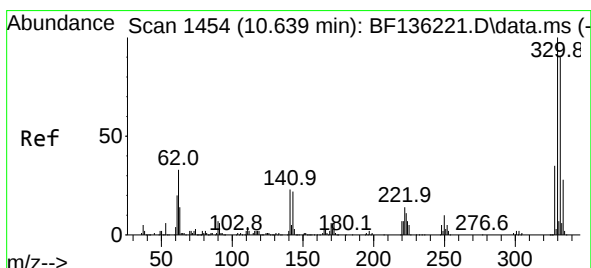
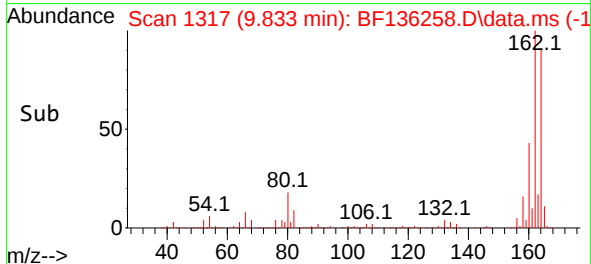
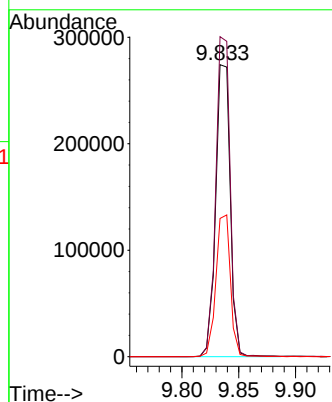
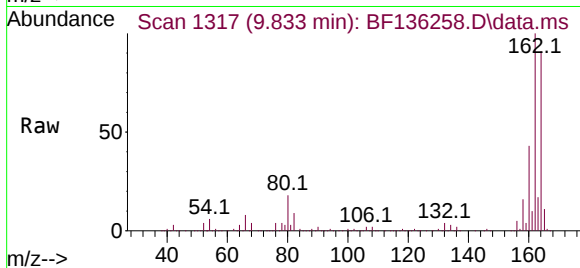
Tgt Ion:164 Resp: 244864

Ion Ratio Lower Upper

164 100

162 109.6 89.5 134.3

160 47.4 39.6 59.4



#42

2,4,6-Tribromophenol

Concen: 9.417 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

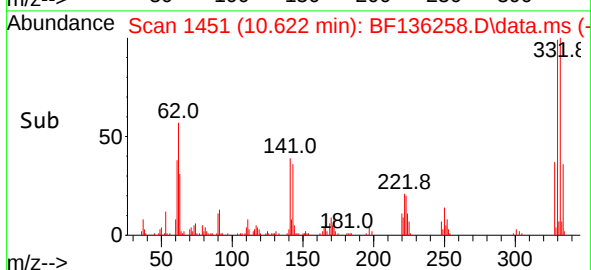
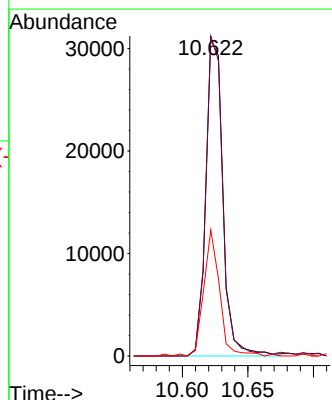
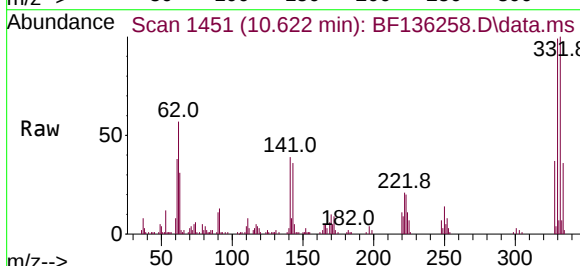
Tgt Ion:330 Resp: 28190

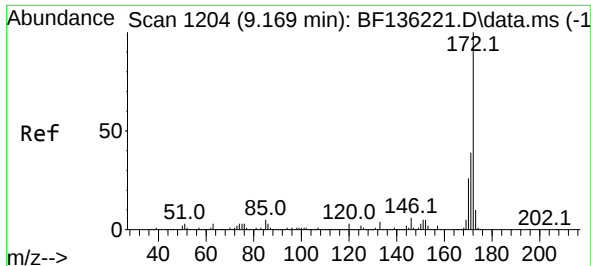
Ion Ratio Lower Upper

330 100

332 99.4 73.0 109.6

141 36.8 24.2 36.2#

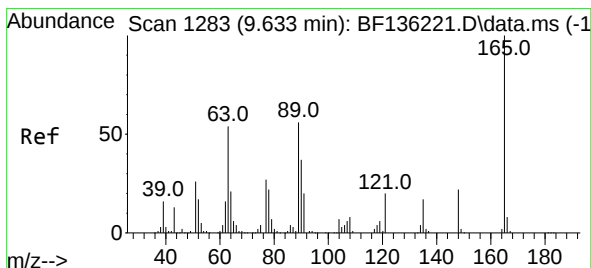
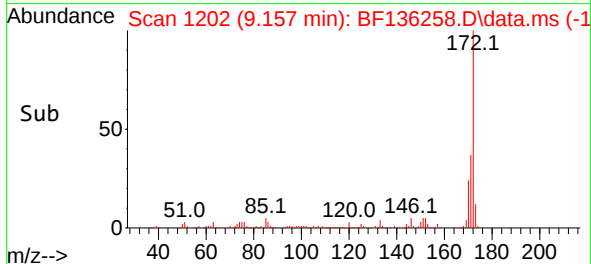
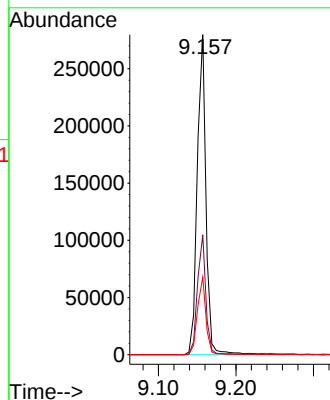
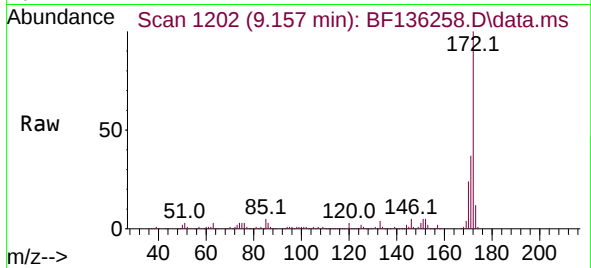




#45
2-Fluorobiphenyl
Concen: 11.452 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

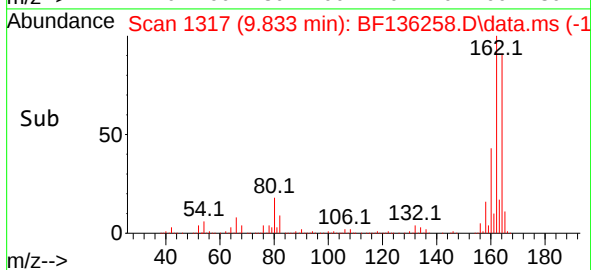
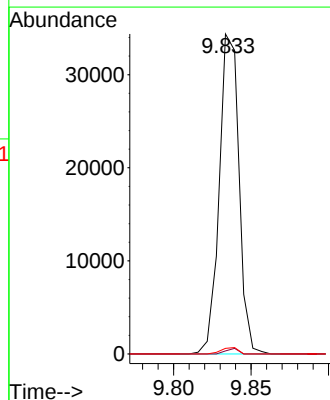
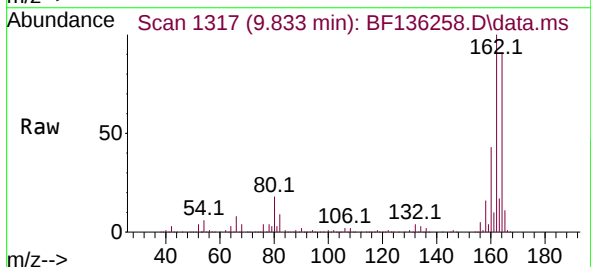
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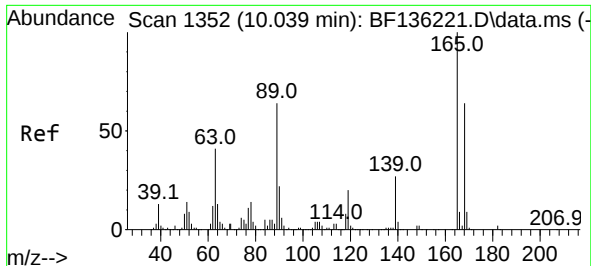
Tgt Ion:172 Resp: 219545
Ion Ratio Lower Upper
172 100
171 37.5 31.5 47.3
170 24.3 20.8 31.2



#51
2,6-Dinitrotoluene
Concen: 8.054 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.200 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:165 Resp: 30452
Ion Ratio Lower Upper
165 100
63 0.9 46.2 69.2#
89 1.8 44.9 67.3#

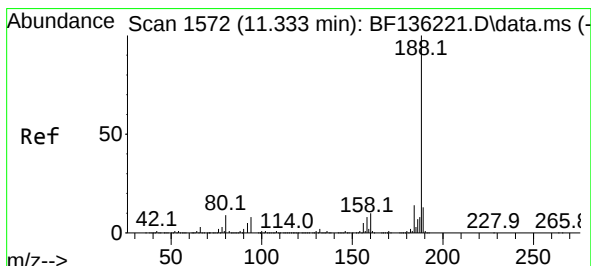
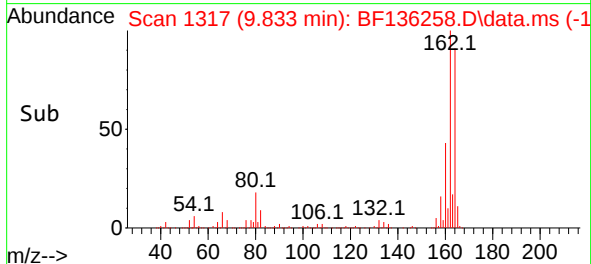
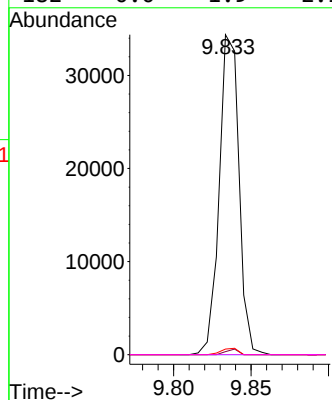
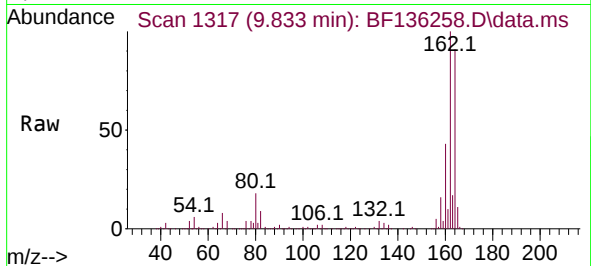




#57
2,4-Dinitrotoluene
Concen: 6.030 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

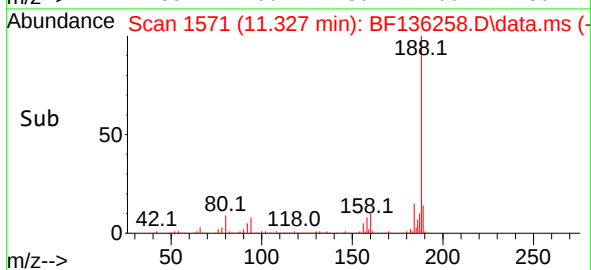
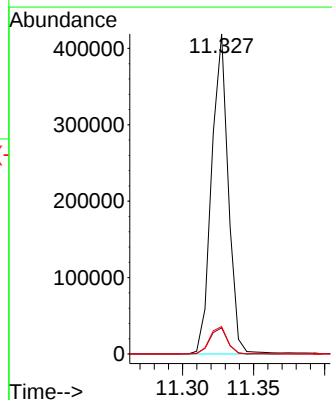
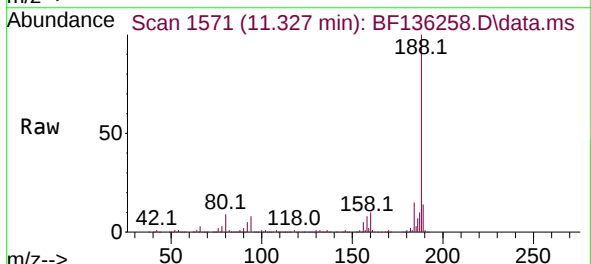
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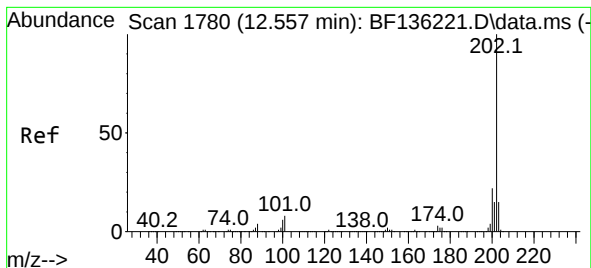
Tgt Ion:165 Resp: 30452
Ion Ratio Lower Upper
165 100
63 0.9 33.0 49.4#
89 1.8 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:188 Resp: 341725
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.6 7.2 10.8





#75

Fluoranthene

Concen: 6.537 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

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ClientSampleId :

TP-A

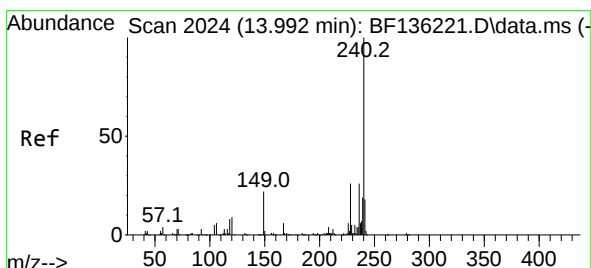
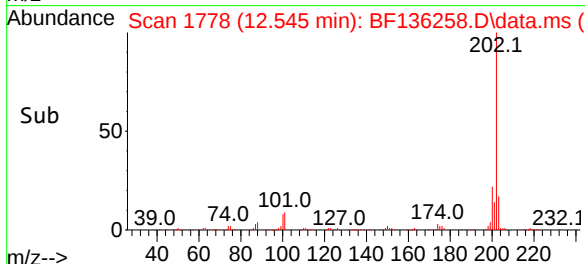
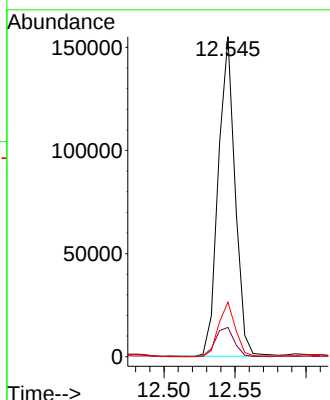
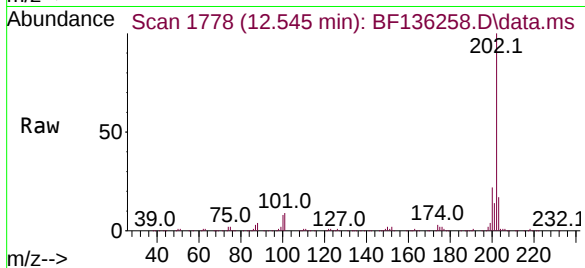
Tgt Ion:202 Resp: 127462

Ion Ratio Lower Upper

202 100

101 9.1 0.0 27.8

203 17.1 0.0 34.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

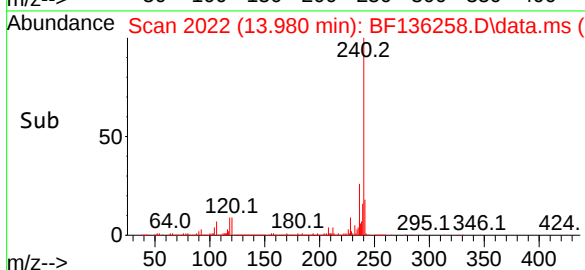
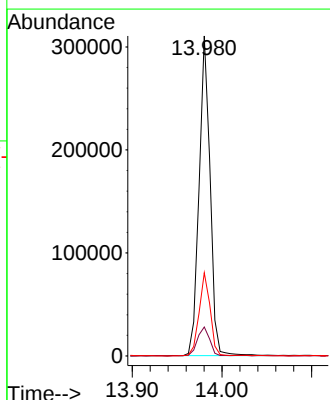
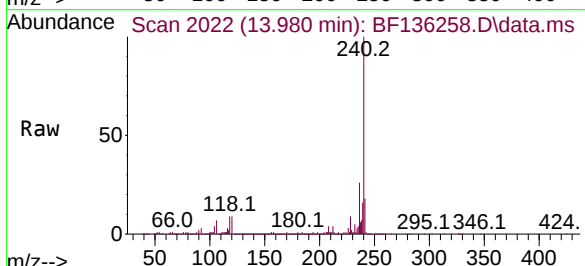
Tgt Ion:240 Resp: 264492

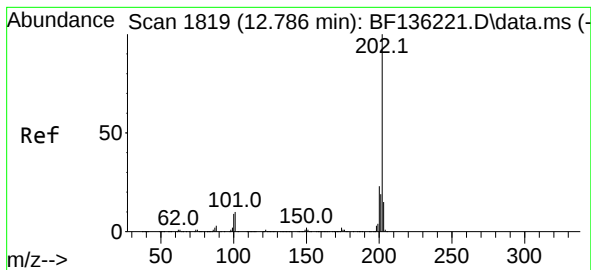
Ion Ratio Lower Upper

240 100

120 9.1 7.4 11.2

236 26.0 21.1 31.7





#78

Pyrene

Concen: 5.053 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

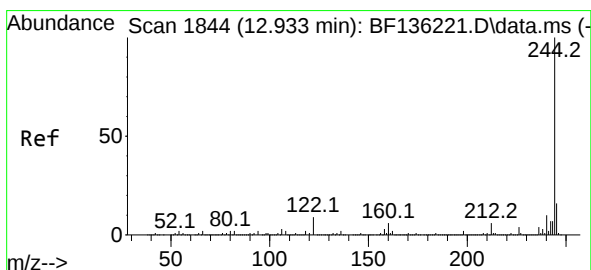
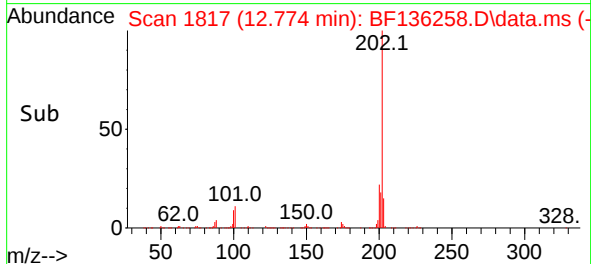
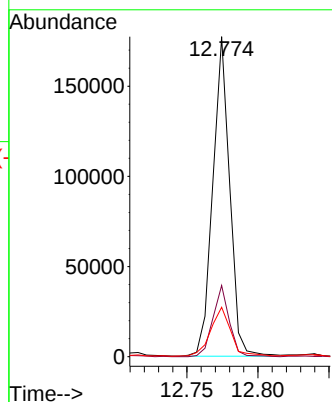
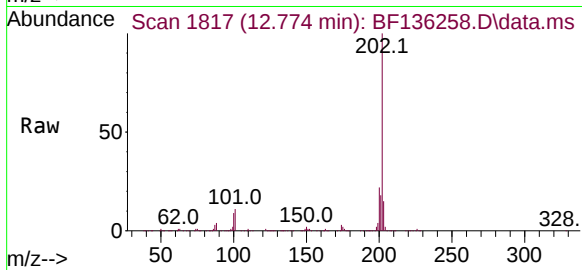
Tgt Ion:202 Resp: 146373

Ion Ratio Lower Upper

202 100

200 22.3 18.4 27.6

203 15.4 11.8 17.6



#79

Terphenyl-d14

Concen: 6.790 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

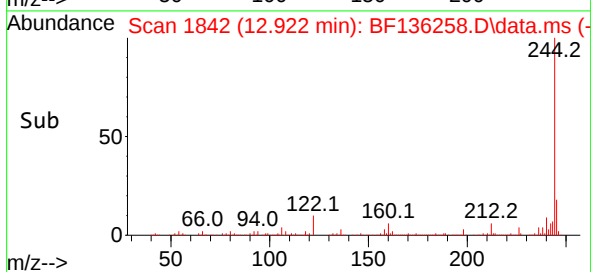
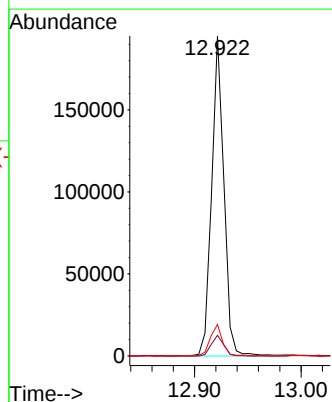
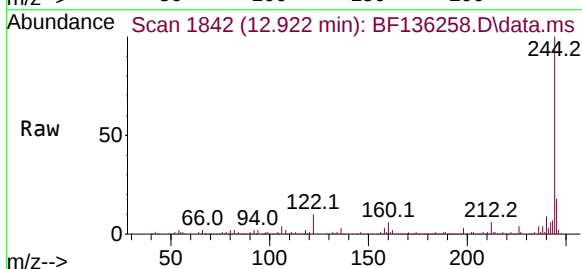
Tgt Ion:244 Resp: 155682

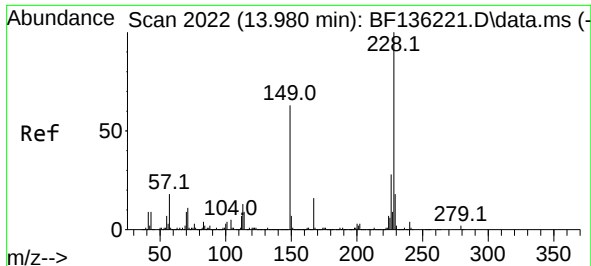
Ion Ratio Lower Upper

244 100

212 6.4 4.6 7.0

122 9.9 7.3 10.9

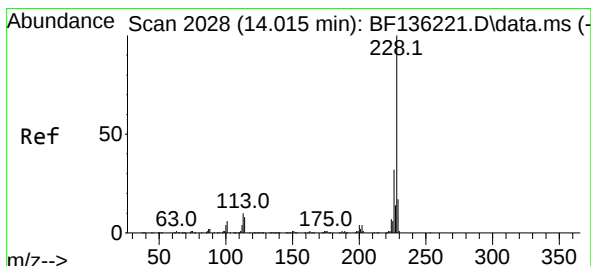
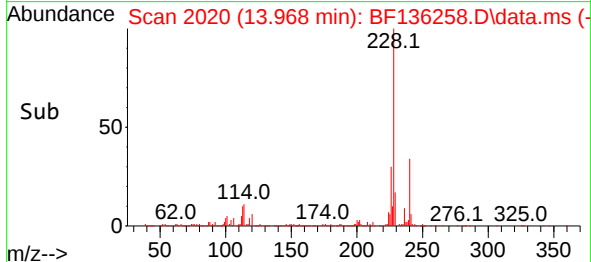
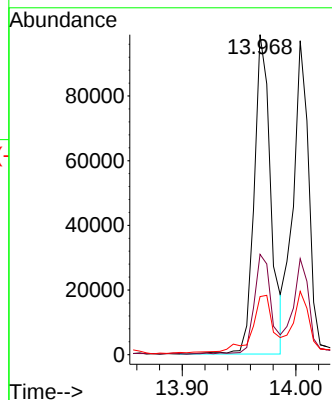
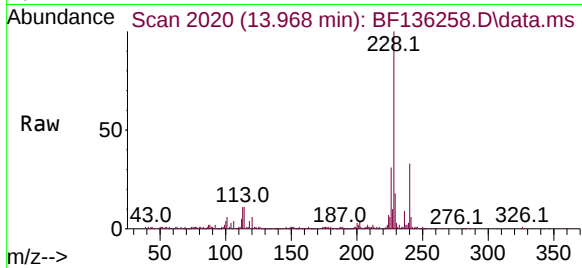




#81
Benzo(a)anthracene
Concen: 5.123 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

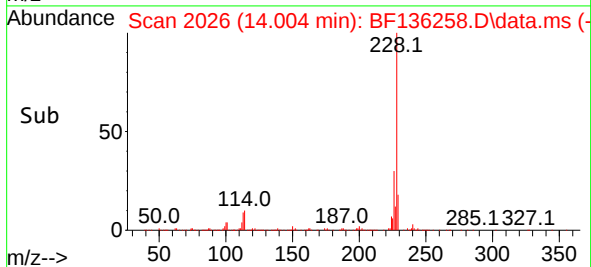
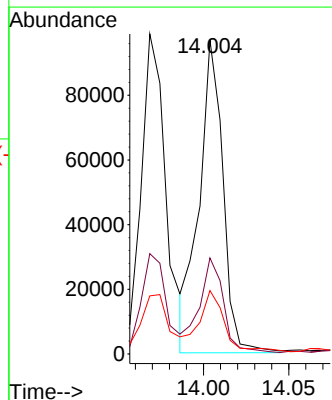
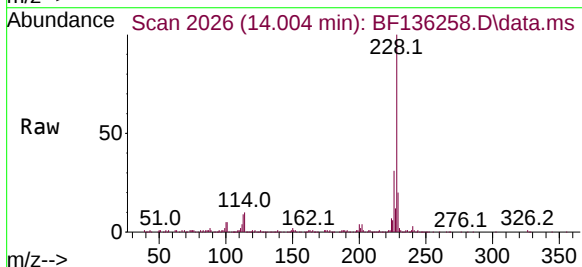
Instrument :
BNA_F
ClientSampleId :
TP-A

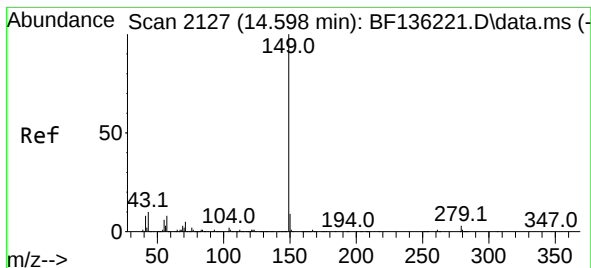
Tgt Ion:228 Resp: 100654
Ion Ratio Lower Upper
228 100
226 31.4 22.6 34.0
229 18.2 14.0 21.0



#83
Chrysene
Concen: 4.950 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:228 Resp: 93891
Ion Ratio Lower Upper
228 100
226 30.6 25.5 38.3
229 20.2 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 5.182 ng

RT: 14.610 min Scan# 2127

Delta R.T. 0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

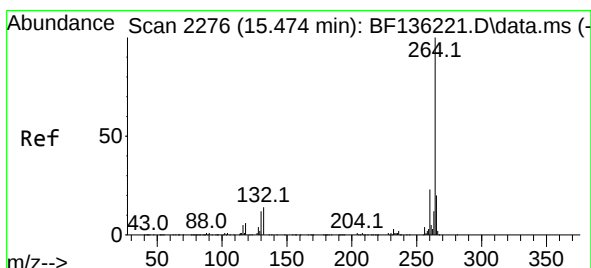
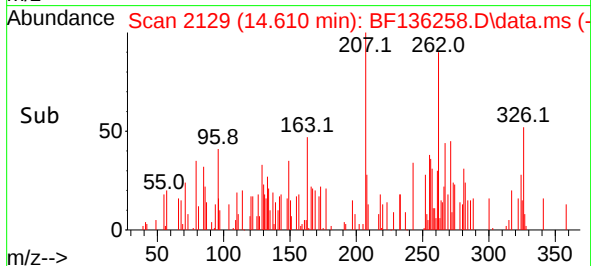
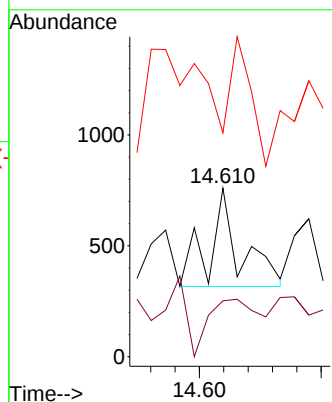
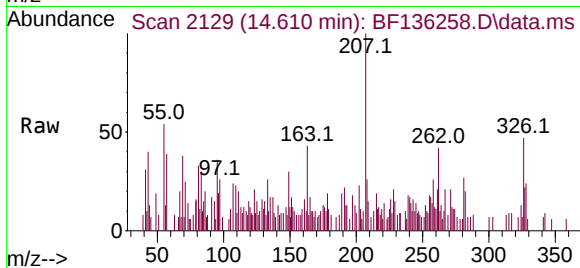
Tgt Ion:149 Resp: 392

Ion Ratio Lower Upper

149 100

167 98.0 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. -0.011 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

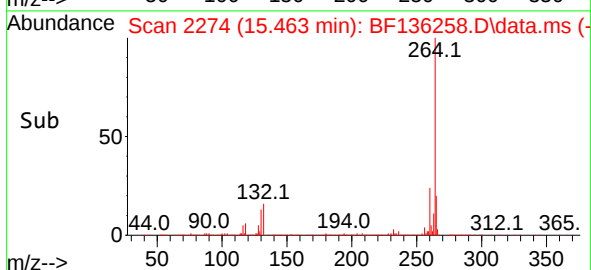
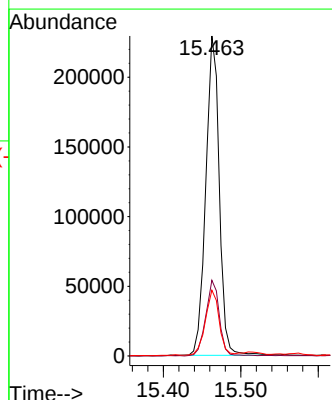
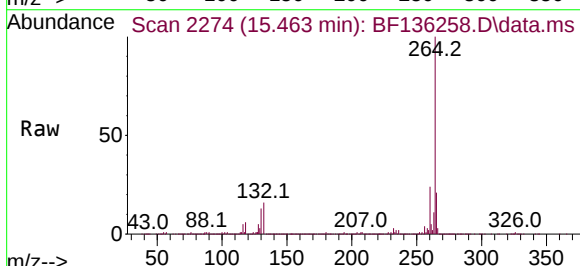
Tgt Ion:264 Resp: 277020

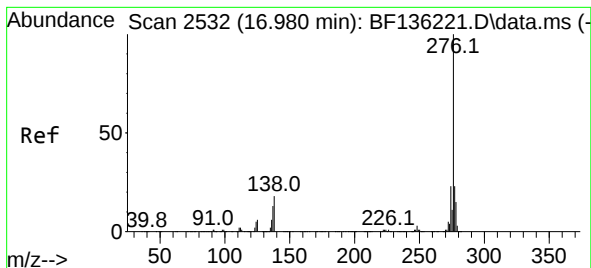
Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 20.5 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.509 ng

RT: 16.957 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

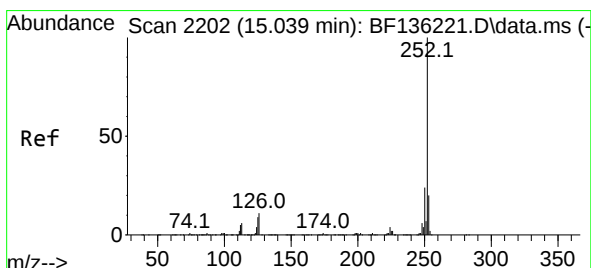
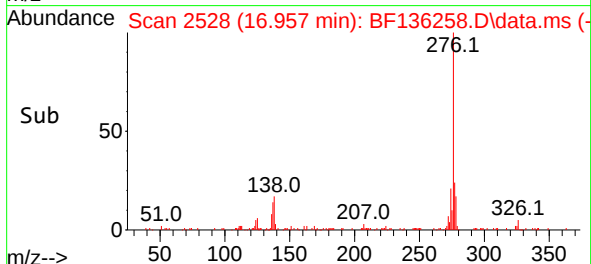
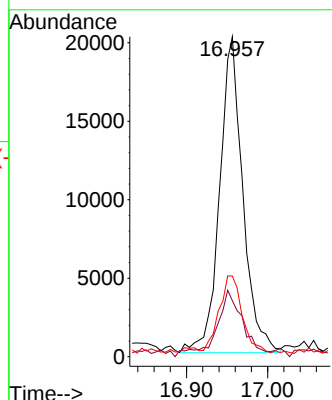
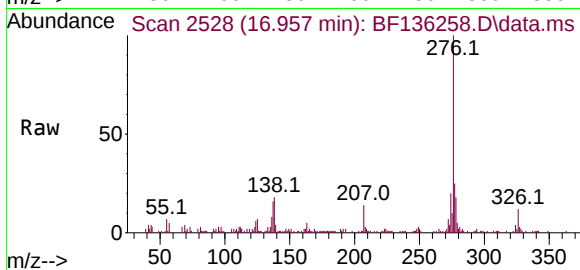
Tgt Ion:276 Resp: 40134

Ion Ratio Lower Upper

276 100

138 24.0 17.7 26.5

277 24.2 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 8.587 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

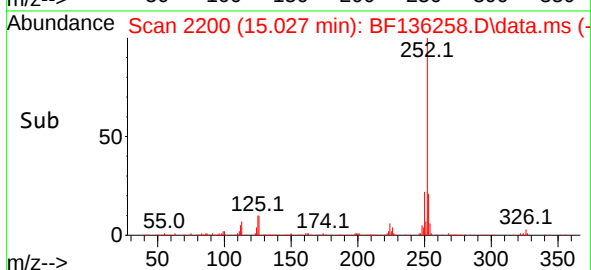
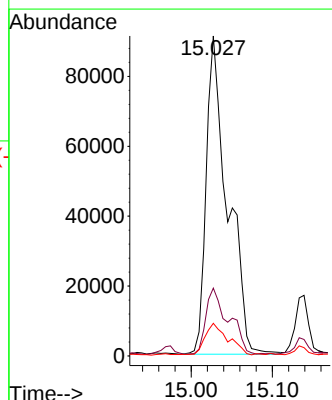
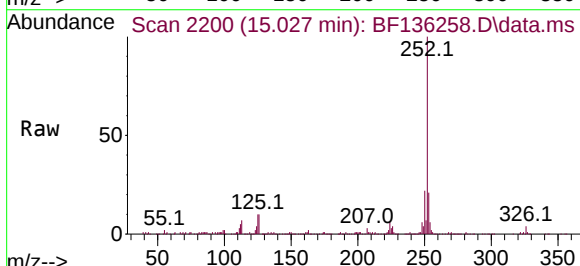
Tgt Ion:252 Resp: 166884

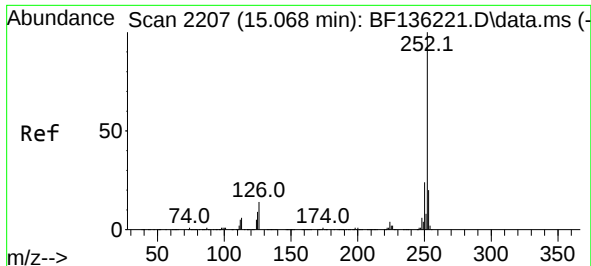
Ion Ratio Lower Upper

252 100

253 21.2 16.2 24.2

125 10.2 6.9 10.3





#89

Benzo(k)fluoranthene

Concen: 9.041 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

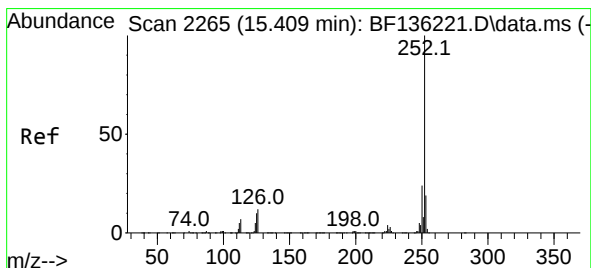
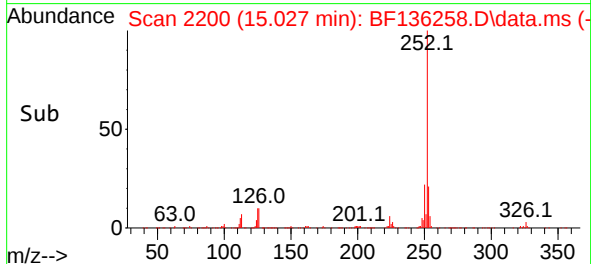
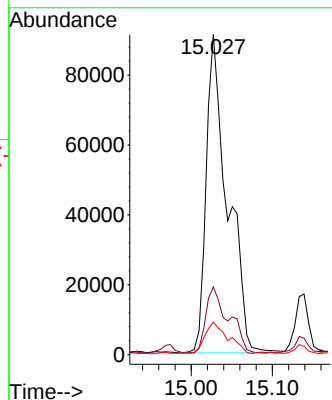
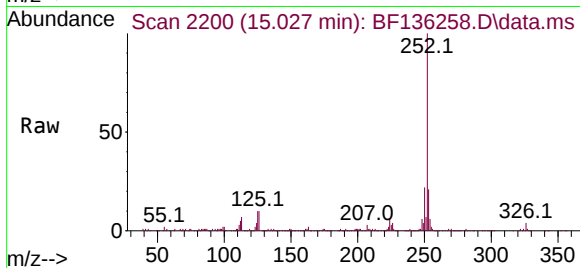
Tgt Ion:252 Resp: 166884

Ion Ratio Lower Upper

252 100

253 21.2 15.6 23.4

125 10.2 7.0 10.4



#90

Benzo(a)pyrene

Concen: 5.243 ng

RT: 15.398 min Scan# 2263

Delta R.T. -0.011 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

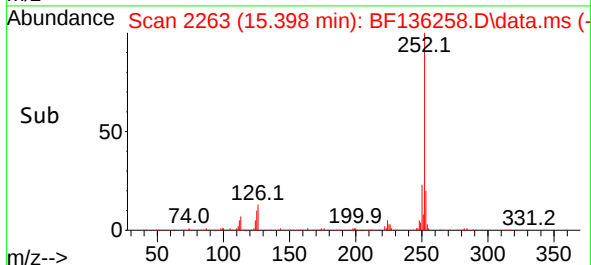
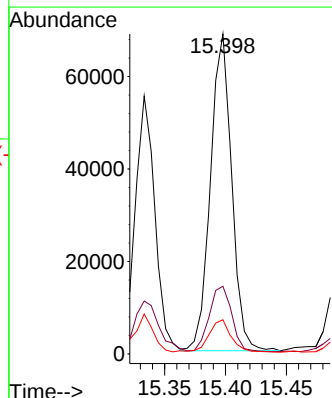
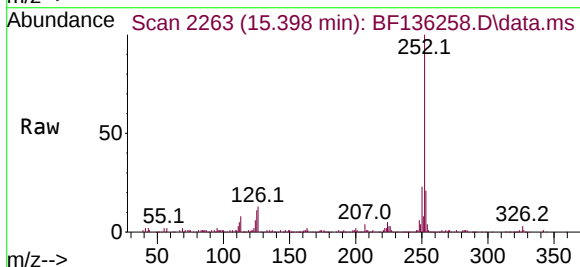
Tgt Ion:252 Resp: 83293

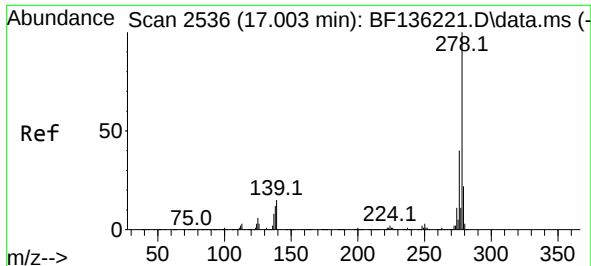
Ion Ratio Lower Upper

252 100

253 21.1 15.5 23.3

125 10.7 7.9 11.9

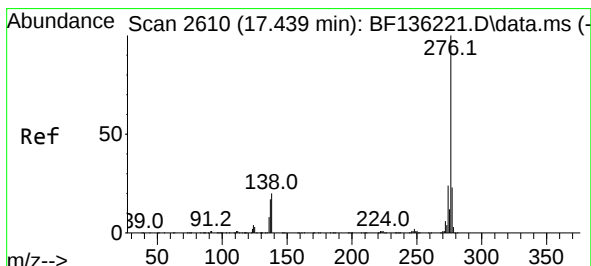
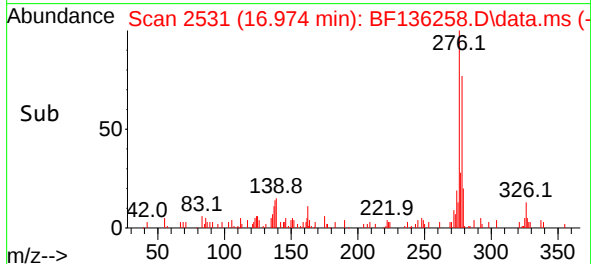
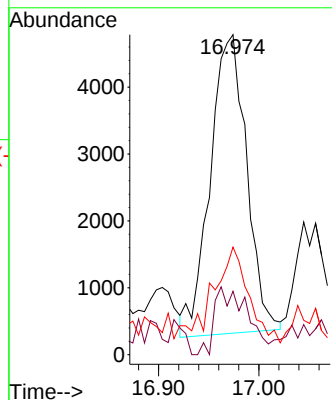
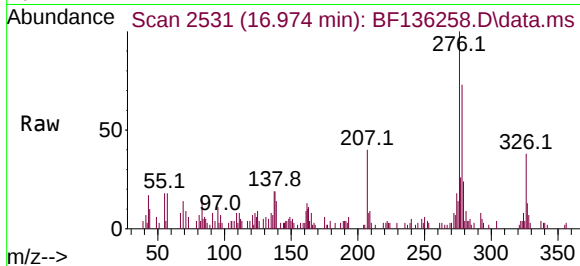




#91
Dibenzo(a,h)anthracene
Concen: 3.356 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:278 Resp: 11313
Ion Ratio Lower Upper
278 100
139 19.8 11.7 17.5#
279 33.6 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 4.119 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.030 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:276 Resp: 38513
Ion Ratio Lower Upper
276 100
277 20.8 18.6 27.8
138 24.1 15.8 23.8#

