

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136314.D
 Acq On : 30 Nov 2023 15:24
 Operator : CG\JU
 Sample : 05503-02DL2 50X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 15:50:47 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)

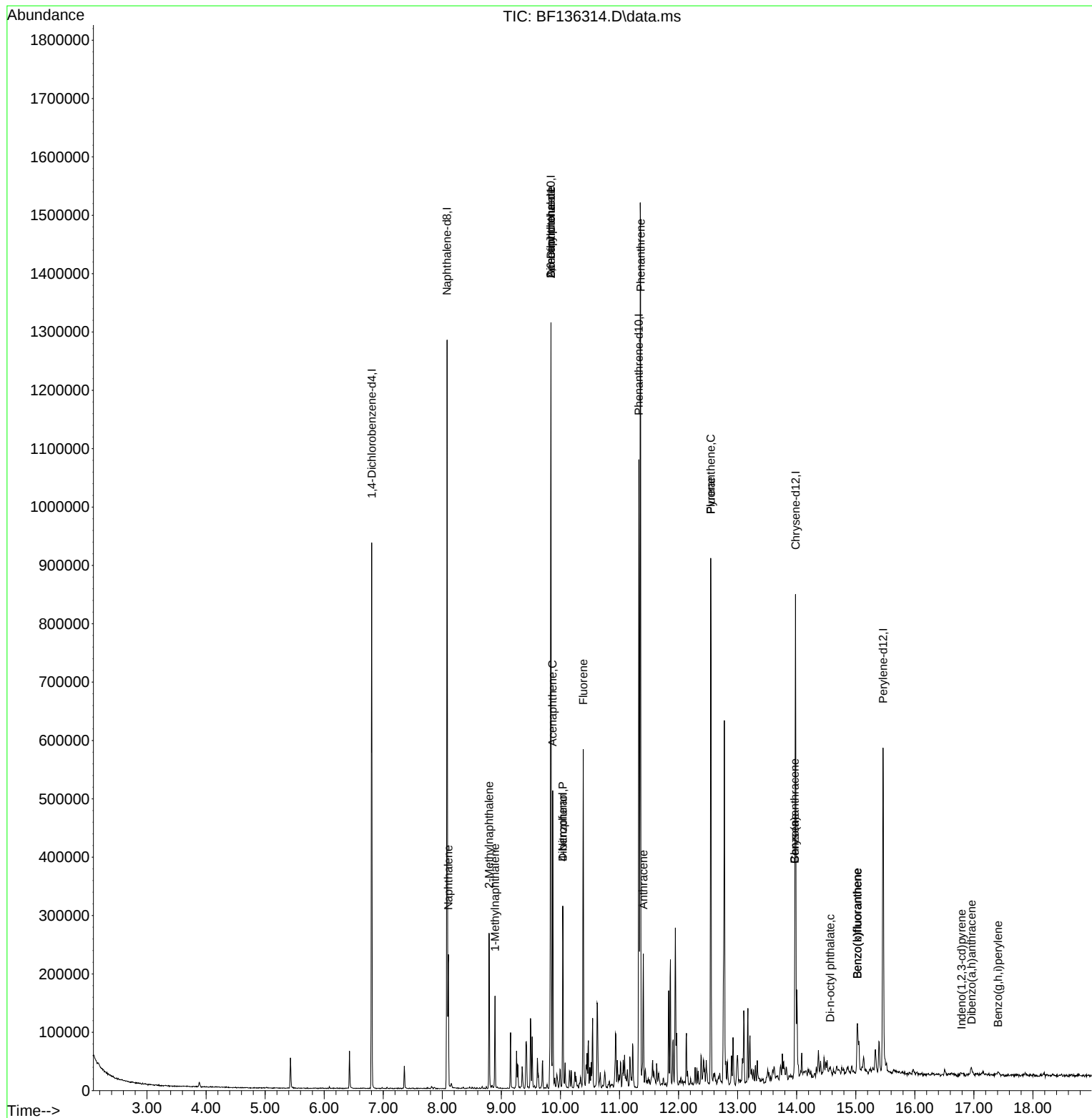
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	126689	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	519488	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	249893	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	396114	20.000	ng	0.00
76) Chrysene-d12	13.980	240	242870	20.000	ng	#-0.01
86) Perylene-d12	15.462	264	268668	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	14362	1.578	ng	-0.01
7) Phenol-d6	6.428	99	21047	1.849	ng	-0.02
23) Nitrobenzene-d5	7.357	82	12289	1.250	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	4067	1.331	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	28657	1.465	ng	-0.01
79) Terphenyl-d14	12.921	244	24053	1.142	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	96429	3.302	ng	96
37) 2-Methylnaphthalene	8.792	142	64119	3.501	ng	90
38) 1-Methylnaphthalene	8.892	142	37453	2.096	ng	86
50) Dimethylphthalate	9.839	163	52212	2.764	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	33885	8.782	ng	# 24
52) Acenaphthene	9.869	154	97275	6.303	ng	89
55) Dibenzofuran	10.039	168	107452	4.679	ng	# 98
56) 4-Nitrophenol	10.039	139	41028	14.110	ng	# 4
58) Fluorene	10.386	166	141702	7.866	ng	93
71) Phenanthrene	11.357	178	587895	26.406	ng	99
72) Anthracene	11.404	178	80980	3.627	ng	97
75) Fluoranthene	12.545	202	351242	15.541	ng	95
78) Pyrene	12.545	202	351242	13.205	ng	95
81) Benzo(a)anthracene	13.968	228	80216	4.447	ng	96
83) Chrysene	13.968	228	80216	4.605	ng	92
85) Di-n-octyl phthalate	14.568	149	610	5.196	ng	# 70
87) Indeno(1,2,3-cd)pyrene	16.792	276	2178	2.782	ng	94
88) Benzo(b)fluoranthene	15.027	252	67466	3.579	ng	# 92
89) Benzo(k)fluoranthene	15.027	252	67466	3.769	ng	# 91
91) Dibenzo(a,h)anthracene	16.962	278	4039	2.950	ng	# 70
92) Benzo(g,h,i)perylene	17.409	276	6370	2.279	ng	94

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

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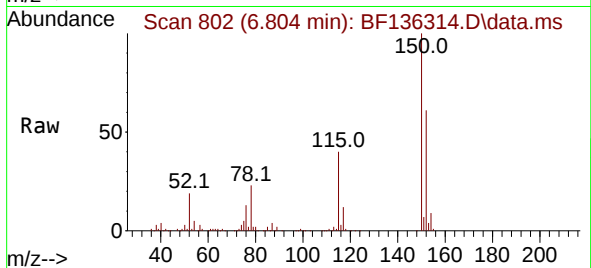
Quant Time: Nov 30 15:50:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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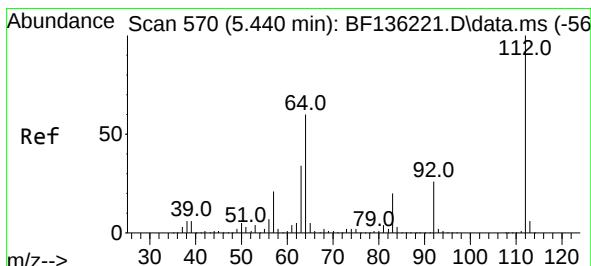
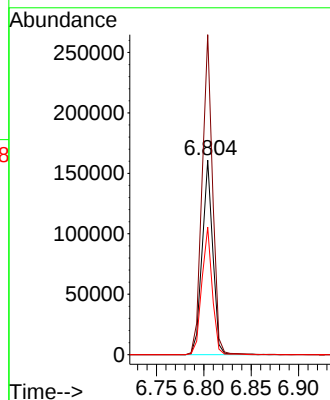
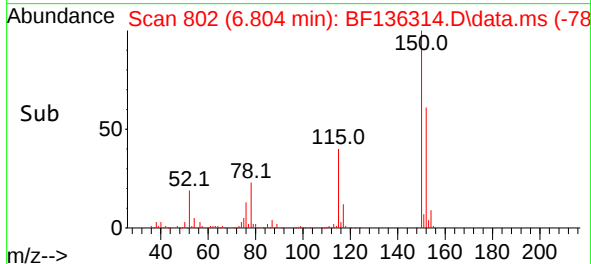


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.804 min Scan# 803
 Delta R.T. -0.006 min
 Lab File: BF136314.D
 Acq: 30 Nov 2023 15:24

Instrument :
 BNA_F
 ClientSampleId :

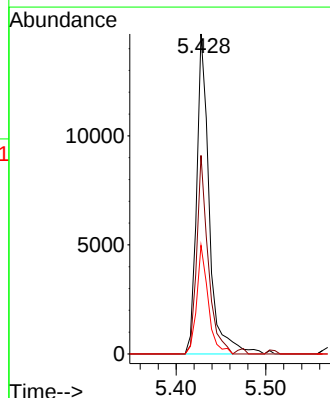
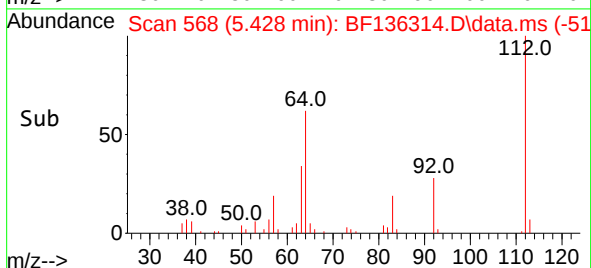
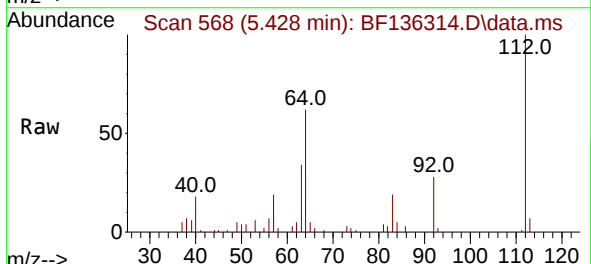


Tgt Ion:152 Resp: 126689
 Ion Ratio Lower Upper
 152 100
 150 164.5 137.8 206.8
 115 65.5 52.7 79.1



#5
 2-Fluorophenol
 Concen: 1.578 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.012 min
 Lab File: BF136314.D
 Acq: 30 Nov 2023 15:24

Tgt Ion:112 Resp: 14362
 Ion Ratio Lower Upper
 112 100
 64 62.0 48.2 72.4
 63 33.9 27.0 40.6

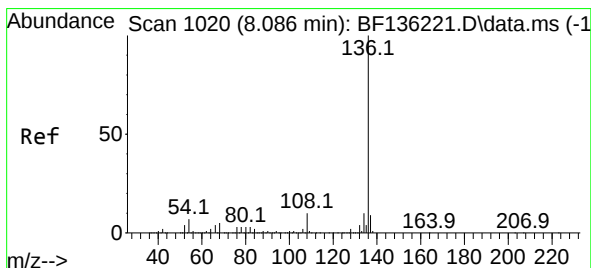
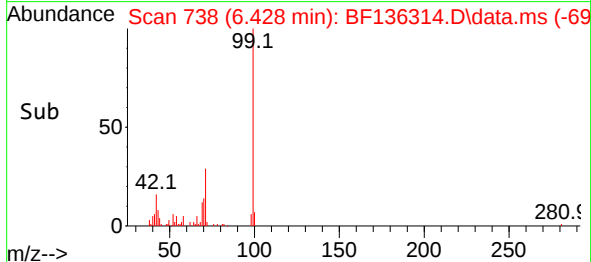
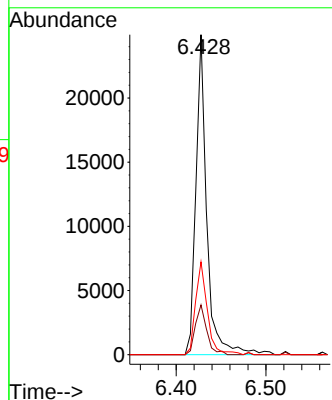
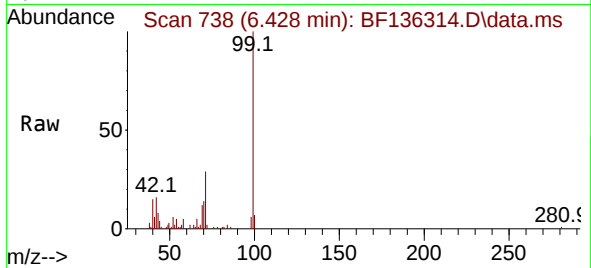




#7
Phenol-d6
Concen: 1.849 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

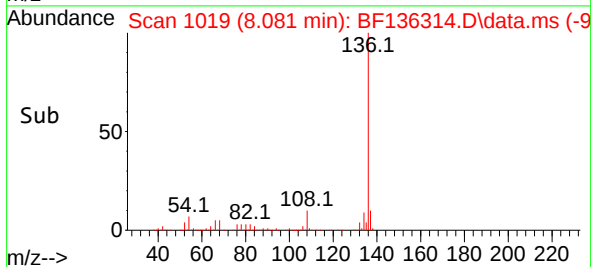
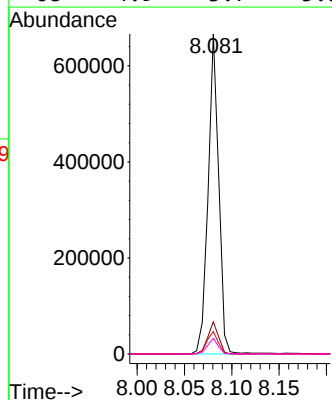
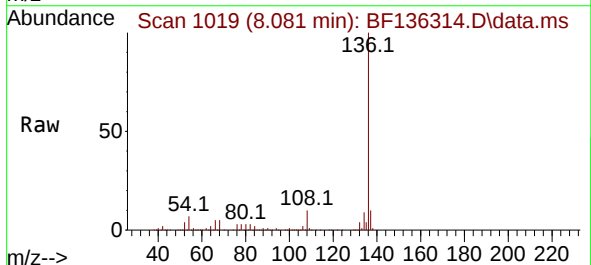
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 21047
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.6
71 29.0 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: BF136314.D
Acq: 30 Nov 2023 15:24

Tgt Ion: 136 Resp: 519488
Ion Ratio Lower Upper
136 100
137 10.1 7.4 11.2
54 7.0 5.5 8.3
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 1.250 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.018 min

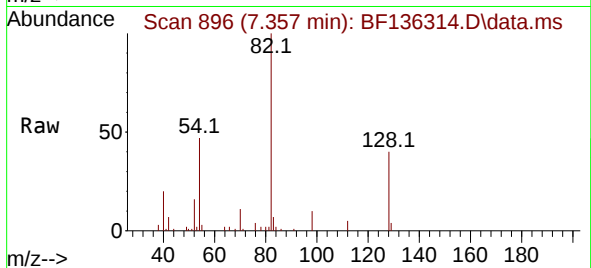
Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :



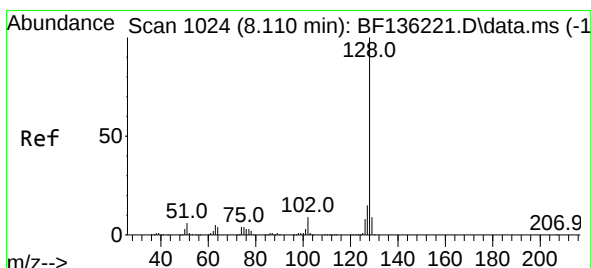
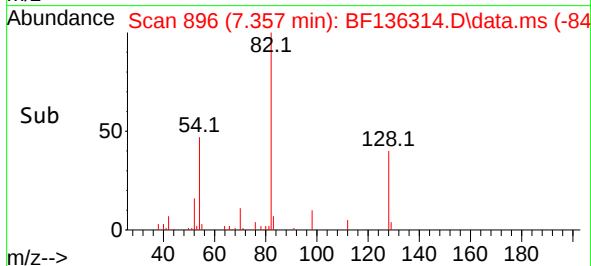
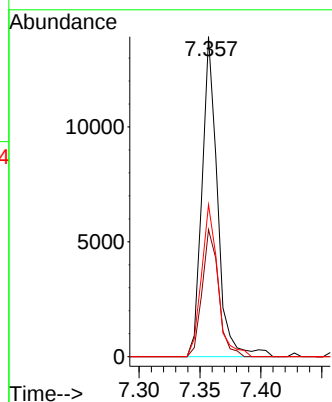
Tgt Ion: 82 Resp: 12289

Ion Ratio Lower Upper

82 100

128 39.7 33.4 50.2

54 47.5 41.7 62.5



#31

Naphthalene

Concen: 3.302 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

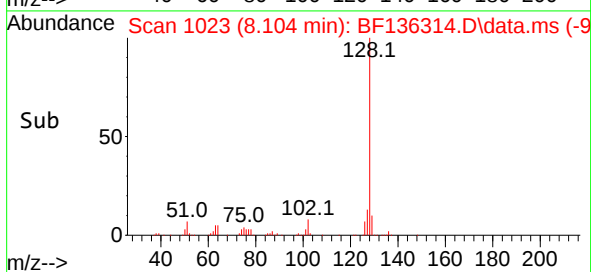
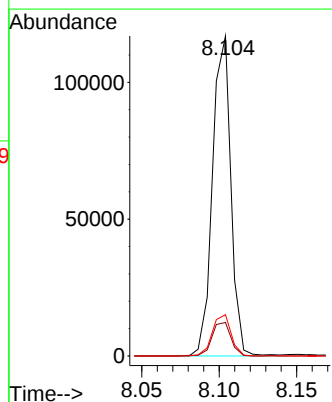
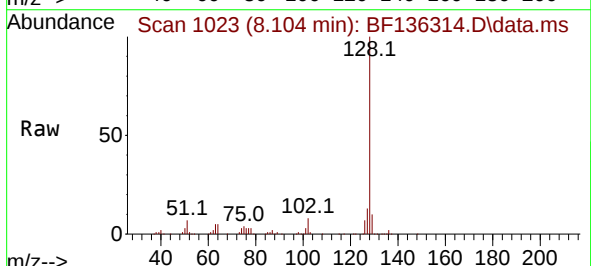
Tgt Ion: 128 Resp: 96429

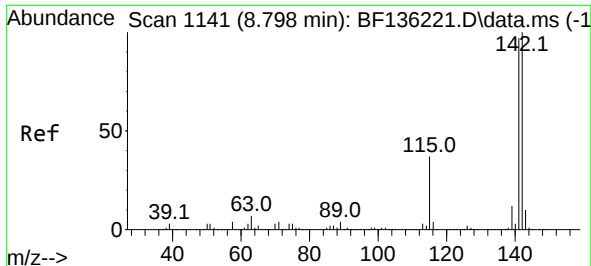
Ion Ratio Lower Upper

128 100

129 10.4 7.3 10.9

127 12.9 11.8 17.6





#37

2-Methylnaphthalene

Concen: 3.501 ng

RT: 8.792 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

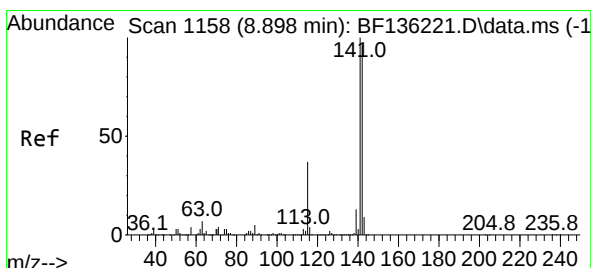
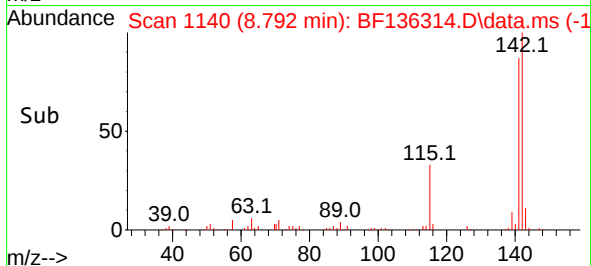
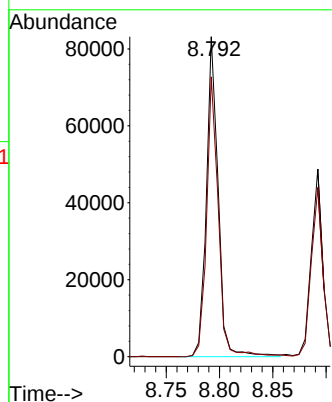
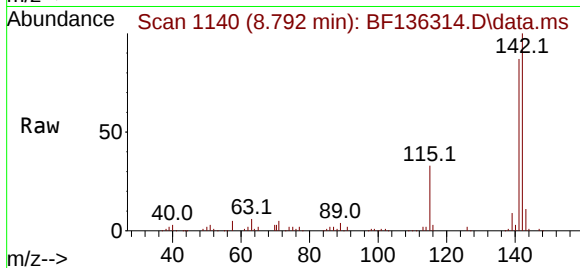
ClientSampleId :

Tgt Ion:142 Resp: 64119

Ion Ratio Lower Upper

142 100

141 87.4 77.8 116.8



#38

1-Methylnaphthalene

Concen: 2.096 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.006 min

Lab File: BF136314.D

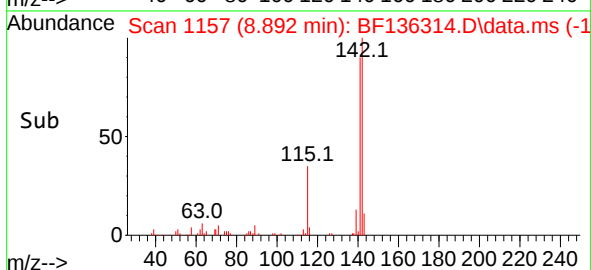
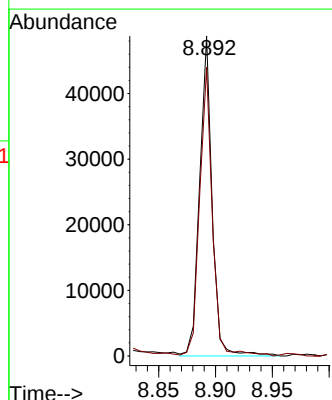
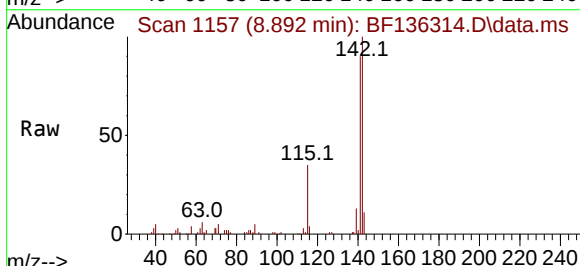
Acq: 30 Nov 2023 15:24

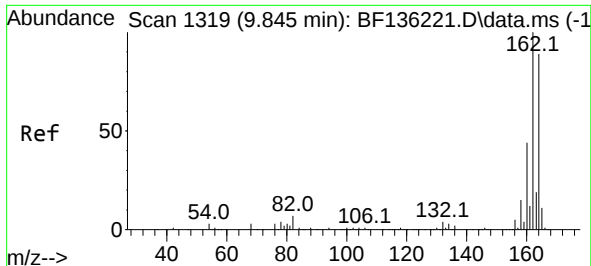
Tgt Ion:142 Resp: 37453

Ion Ratio Lower Upper

142 100

141 90.1 83.8 125.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1

Delta R.T. -0.006 min

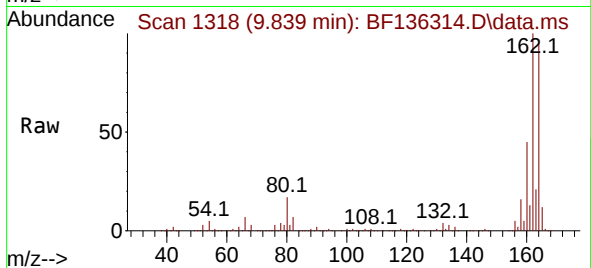
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Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :



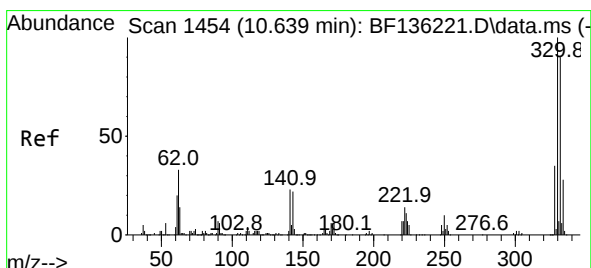
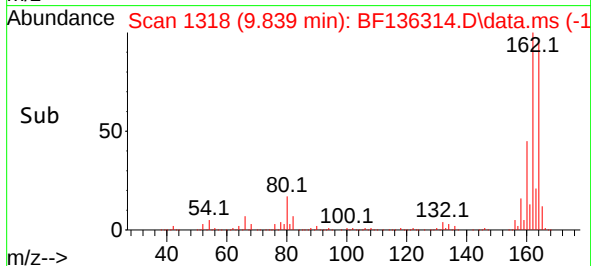
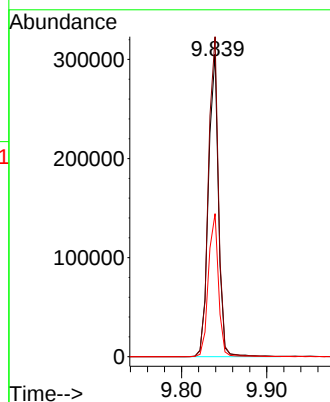
Tgt Ion:164 Resp: 249893

Ion Ratio Lower Upper

164 100

162 105.7 89.5 134.3

160 47.2 39.6 59.4



#42

2,4,6-Tribromophenol

Concen: 1.331 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

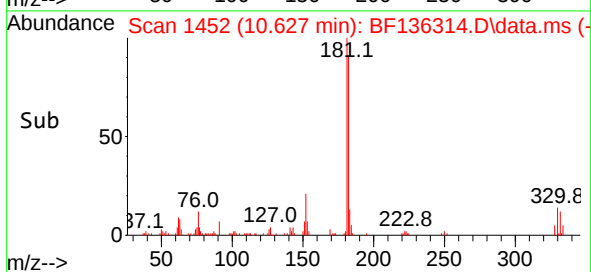
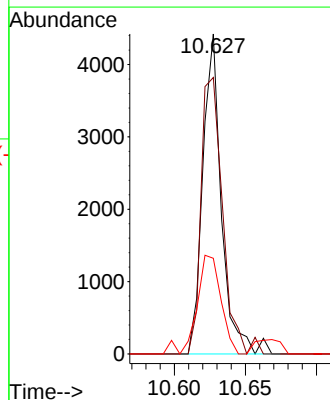
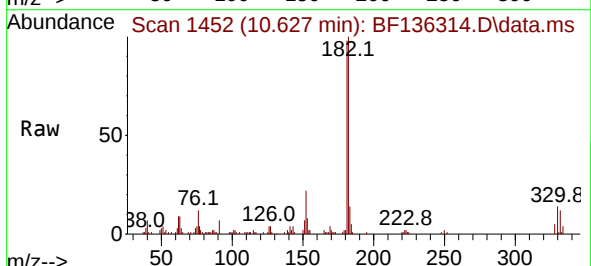
Tgt Ion:330 Resp: 4067

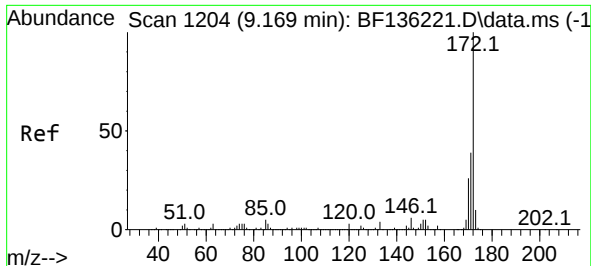
Ion Ratio Lower Upper

330 100

332 99.6 73.0 109.6

141 39.8 24.2 36.2#

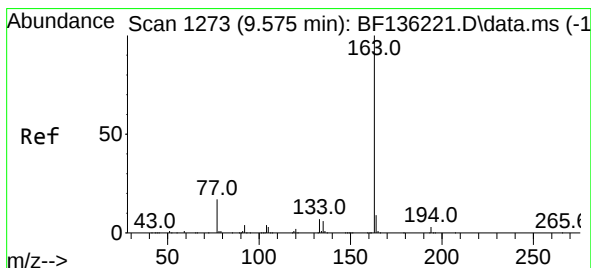
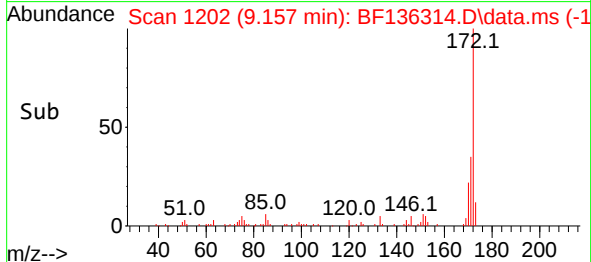
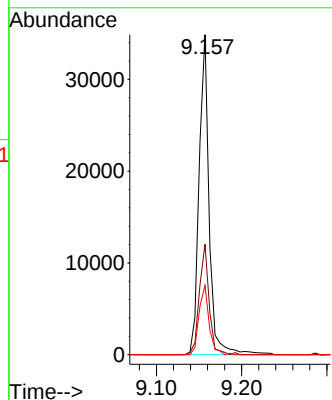
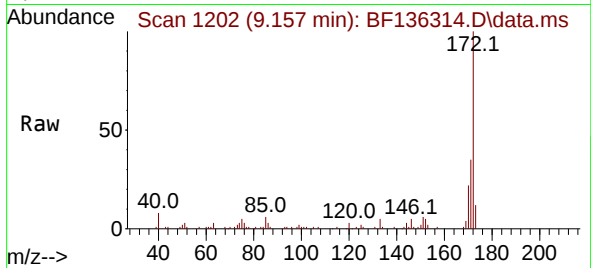




#45
2-Fluorobiphenyl
Concen: 1.465 ng
RT: 9.157 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

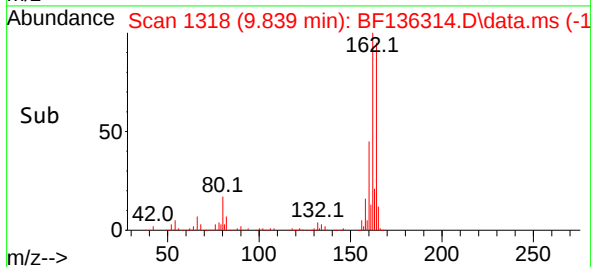
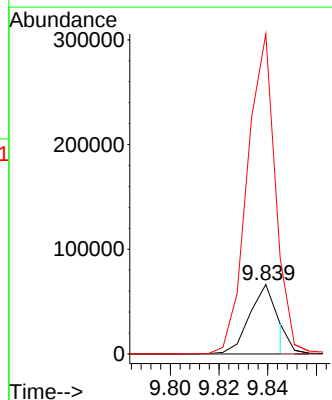
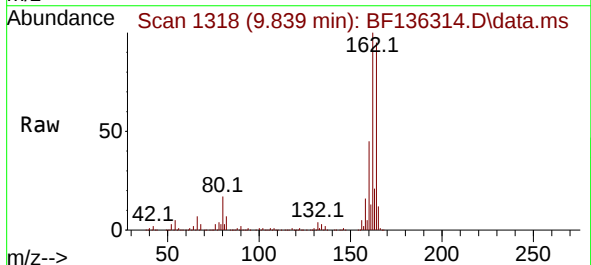
Instrument :
BNA_F
ClientSampleId :

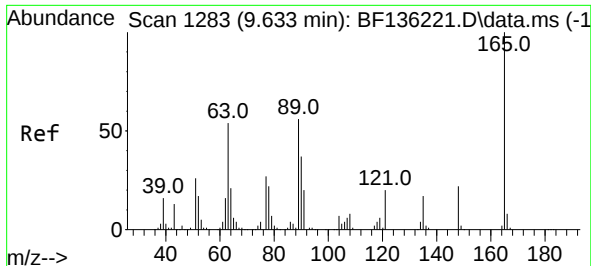
Tgt Ion:172 Resp: 28657
Ion Ratio Lower Upper
172 100
171 34.5 31.5 47.3
170 21.6 20.8 31.2



#50
Dimethylphthalate
Concen: 2.764 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

Tgt Ion:163 Resp: 52212
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 460.6 7.0 10.6#





#51

2,6-Dinitrotoluene

Concen: 8.782 ng

RT: 9.839 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

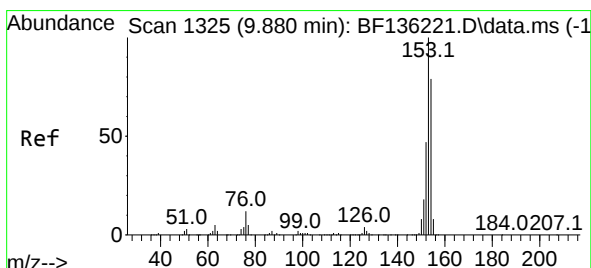
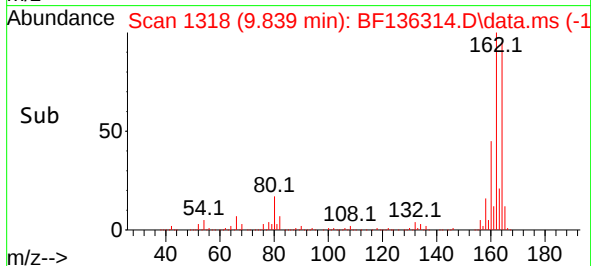
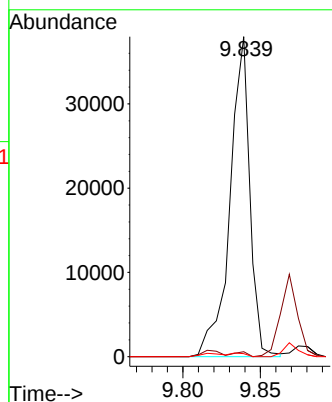
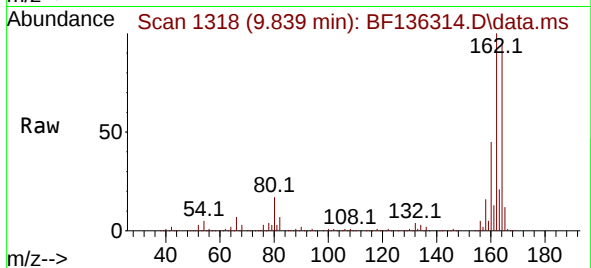
Tgt Ion:165 Resp: 33885

Ion Ratio Lower Upper

165 100

63 1.5 46.2 69.2#

89 0.9 44.9 67.3#



#52

Acenaphthene

Concen: 6.303 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

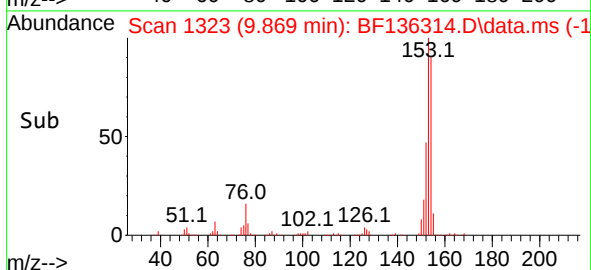
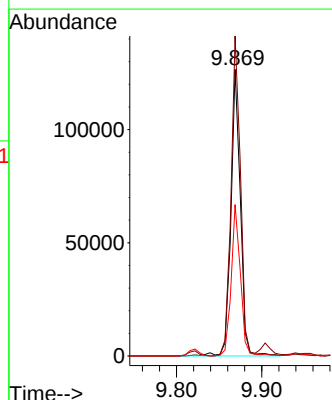
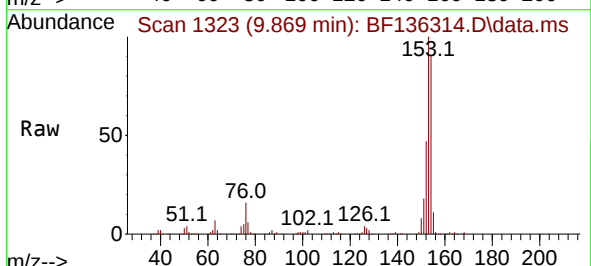
Tgt Ion:154 Resp: 97275

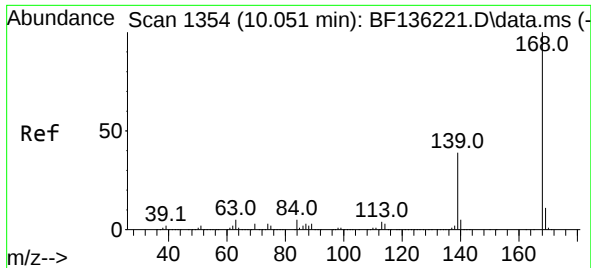
Ion Ratio Lower Upper

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153 111.7 100.8 151.2

152 52.8 47.0 70.6

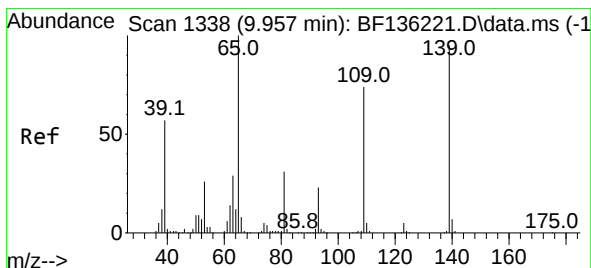
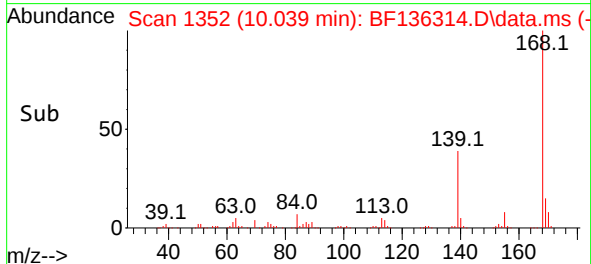
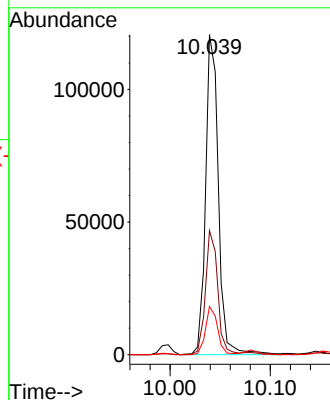
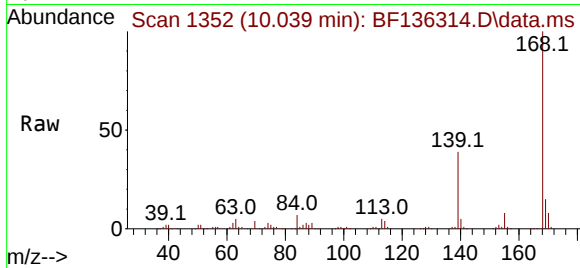




#55
Dibenzofuran
Concen: 4.679 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

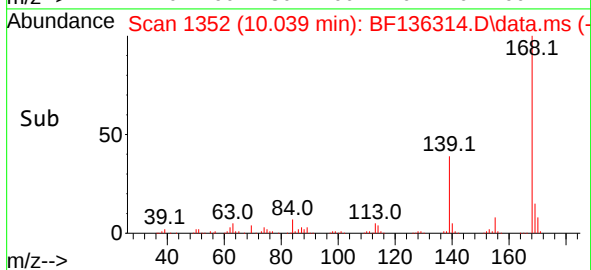
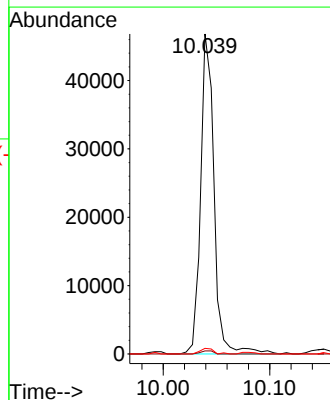
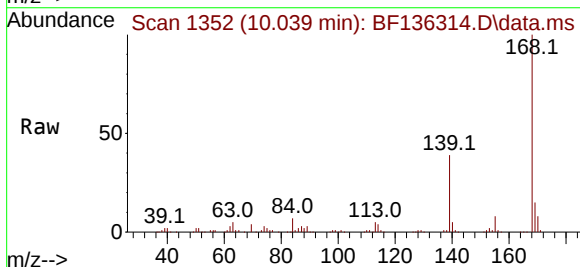
Instrument :
BNA_F
ClientSampleId :

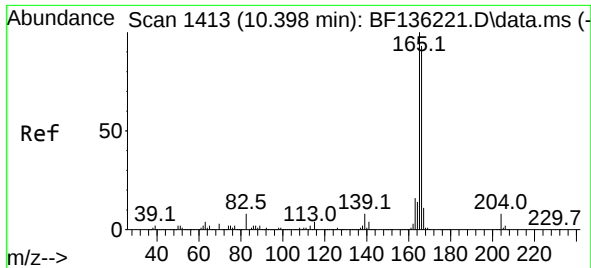
Tgt Ion:168 Resp: 107452
Ion Ratio Lower Upper
168 100
139 38.8 30.9 46.3
169 15.1 9.1 13.7#



#56
4-Nitrophenol
Concen: 14.110 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.082 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

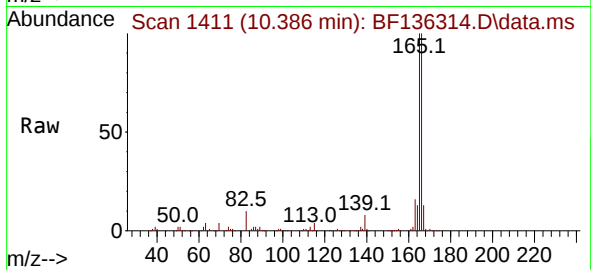
Tgt Ion:139 Resp: 41028
Ion Ratio Lower Upper
139 100
109 1.0 57.8 97.8#
65 1.7 86.0 126.0#



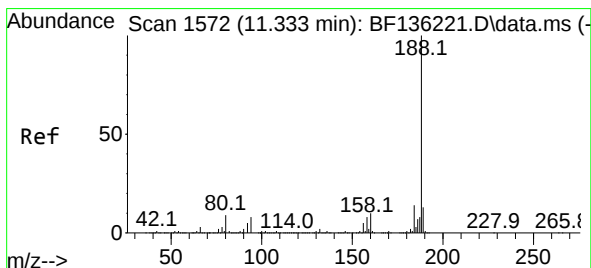
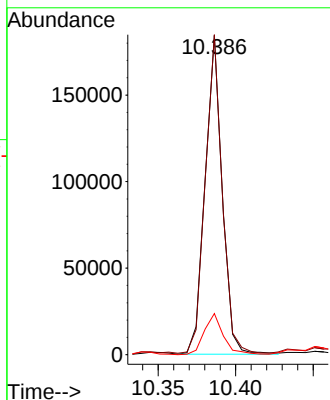
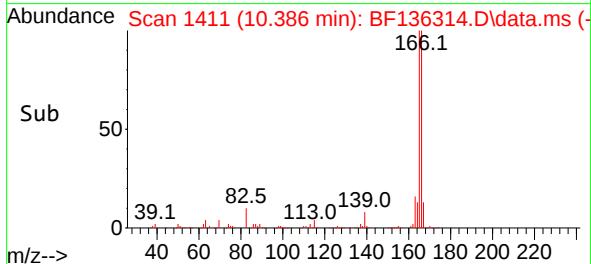


#58
Fluorene
Concen: 7.866 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24

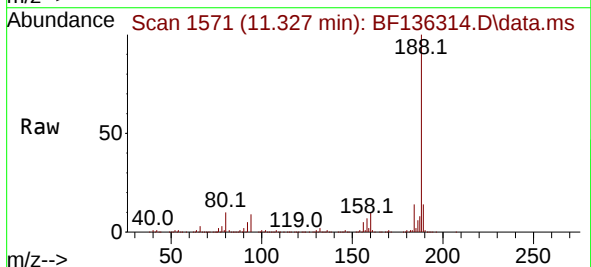
Instrument :
BNA_F
ClientSampleId :



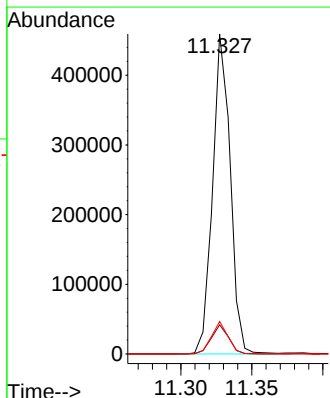
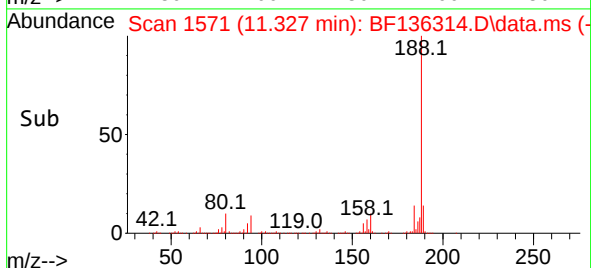
Tgt Ion:166 Resp: 141702
Ion Ratio Lower Upper
166 100
165 100.2 86.2 129.4
167 12.9 9.1 13.7

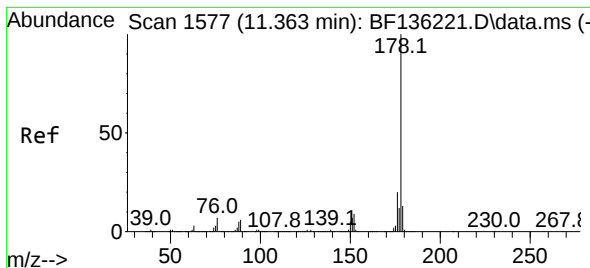


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136314.D
Acq: 30 Nov 2023 15:24



Tgt Ion:188 Resp: 396114
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 10.2 7.2 10.8





#71

Phenanthrene

Concen: 26.406 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

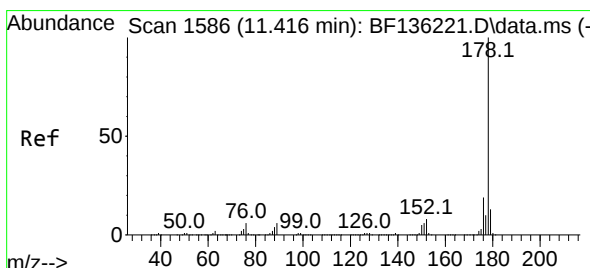
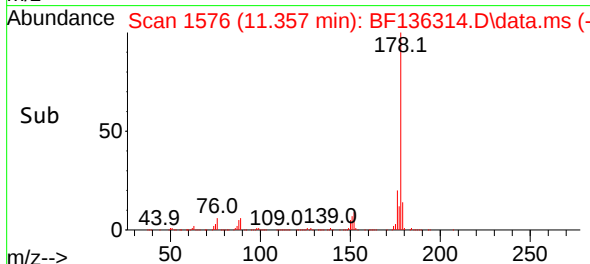
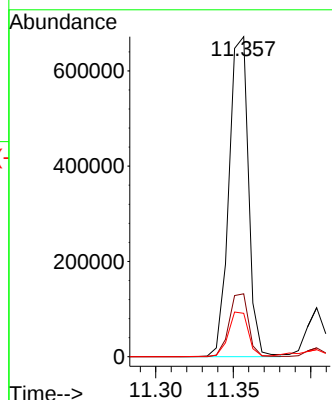
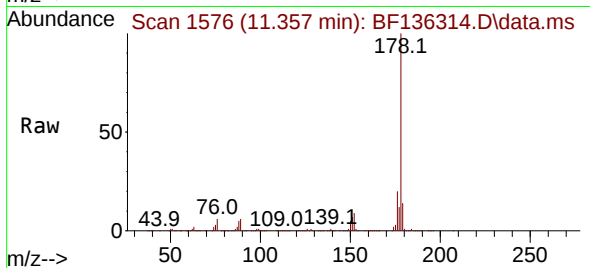
Tgt Ion:178 Resp: 587895

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.2

179 13.6 10.3 15.5



#72

Anthracene

Concen: 3.627 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

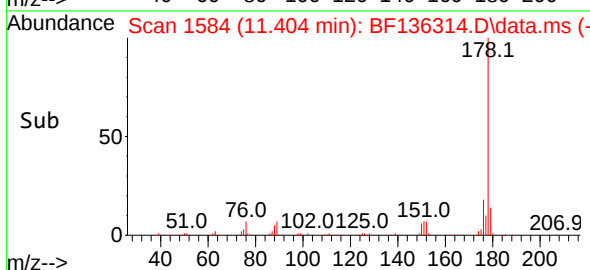
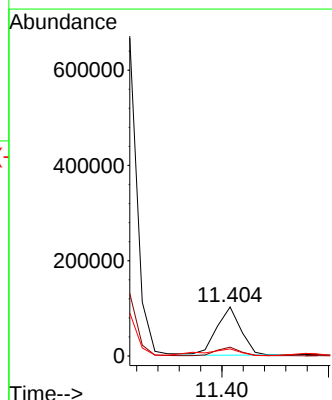
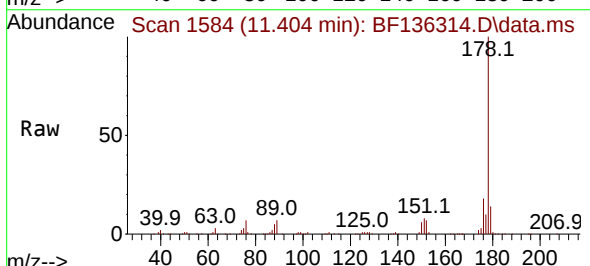
Tgt Ion:178 Resp: 80980

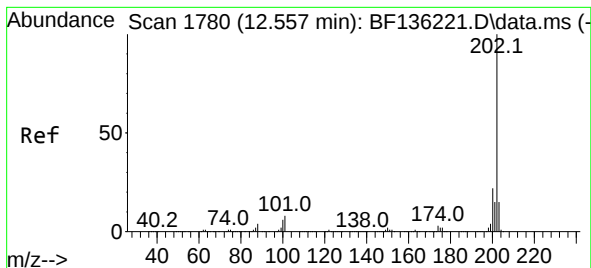
Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

179 14.2 10.5 15.7





#75

Fluoranthene

Concen: 15.541 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

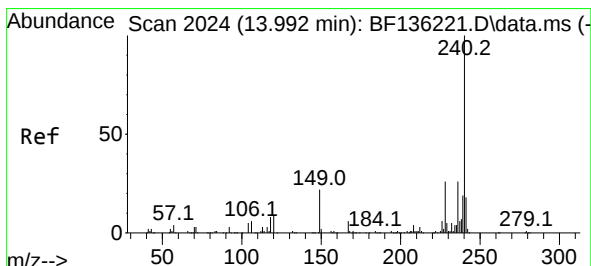
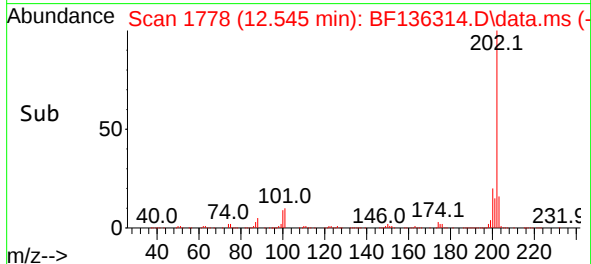
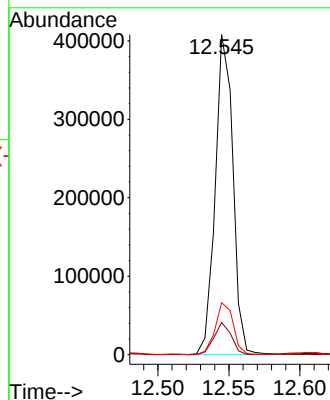
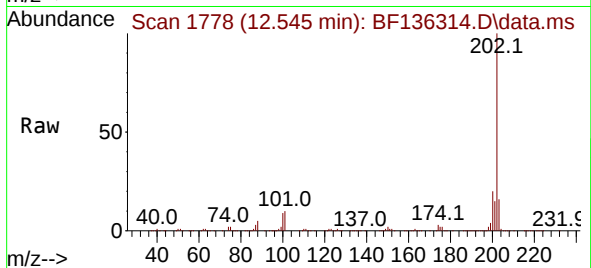
Tgt Ion:202 Resp: 351242

Ion Ratio Lower Upper

202 100

101 10.0 0.0 27.8

203 16.3 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: BF136314.D

Acq: 30 Nov 2023 15:24

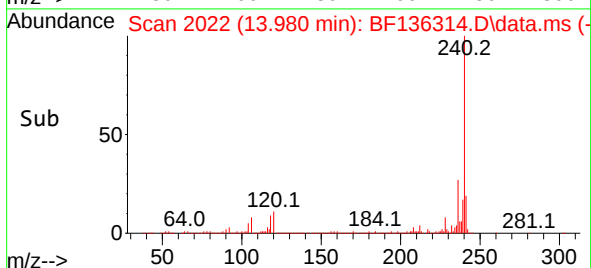
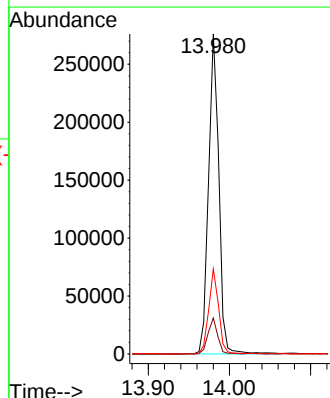
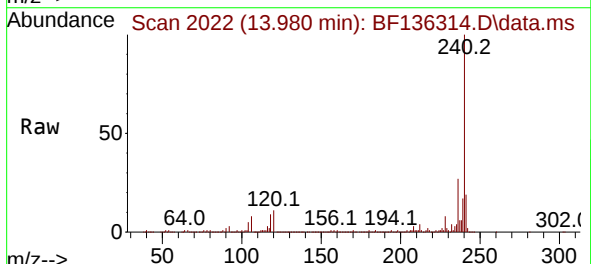
Tgt Ion:240 Resp: 242870

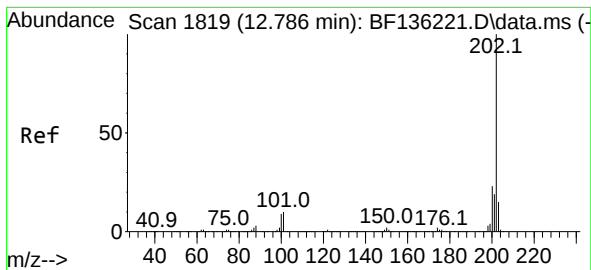
Ion Ratio Lower Upper

240 100

120 11.3 7.4 11.2#

236 26.5 21.1 31.7





#78

Pyrene

Concen: 13.205 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.241 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

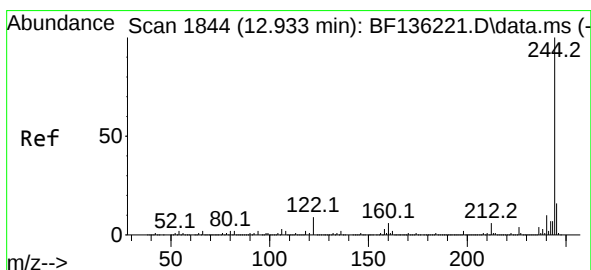
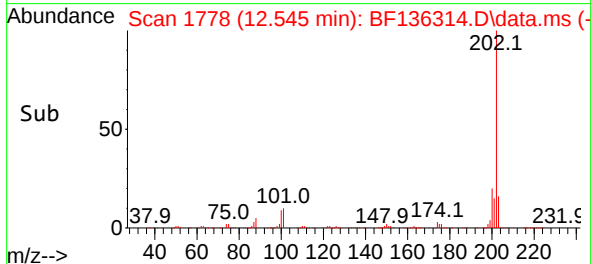
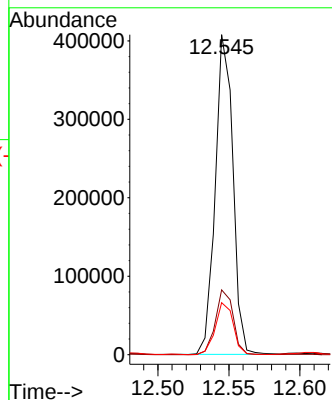
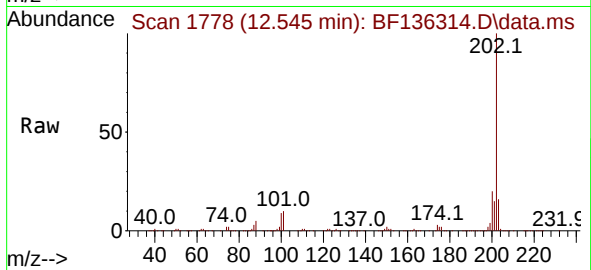
Tgt Ion:202 Resp: 351242

Ion Ratio Lower Upper

202 100

200 20.3 18.4 27.6

203 16.3 11.8 17.6



#79

Terphenyl-d14

Concen: 1.142 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

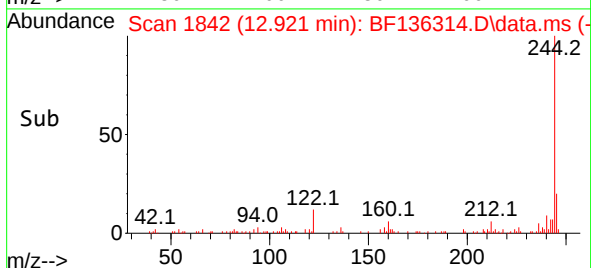
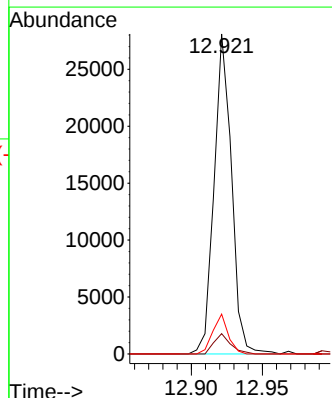
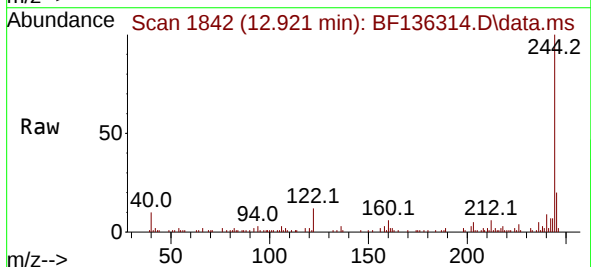
Tgt Ion:244 Resp: 24053

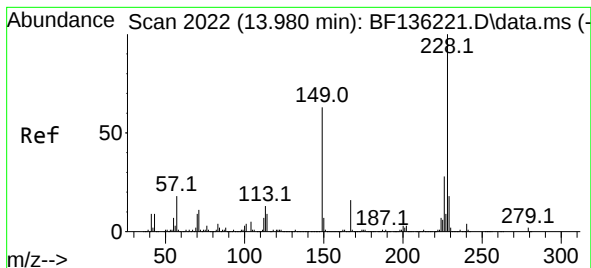
Ion Ratio Lower Upper

244 100

212 6.4 4.6 7.0

122 12.5 7.3 10.9#





#81

Benzo(a)anthracene

Concen: 4.447 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

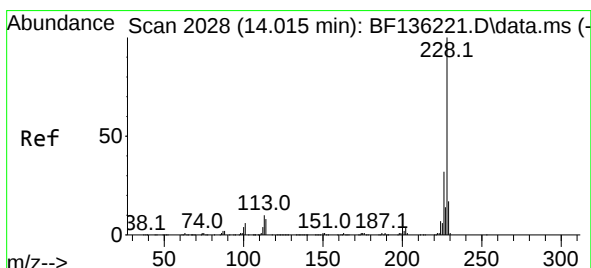
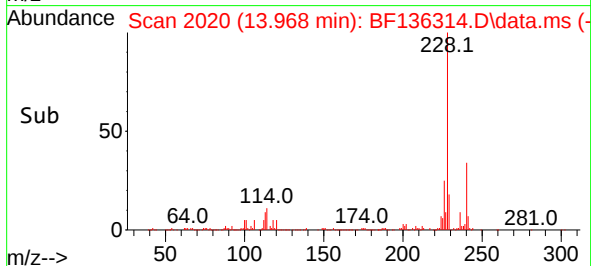
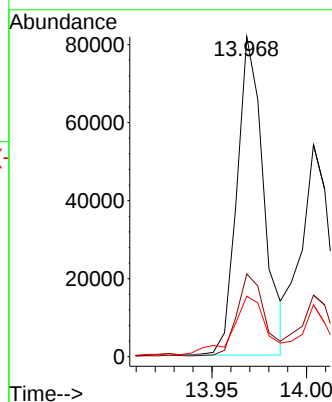
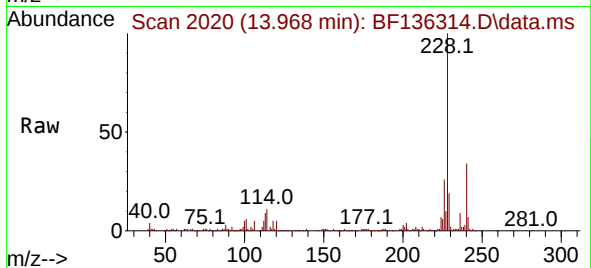
Tgt Ion:228 Resp: 80216

Ion Ratio Lower Upper

228 100

226 25.9 22.6 34.0

229 18.9 14.0 21.0



#83

Chrysene

Concen: 4.605 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.047 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

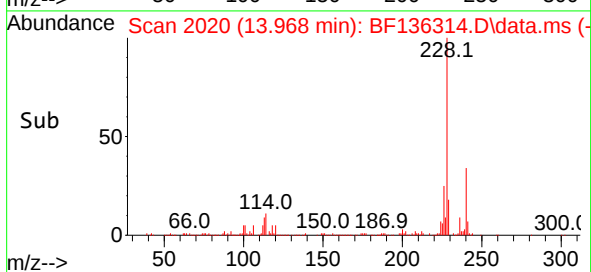
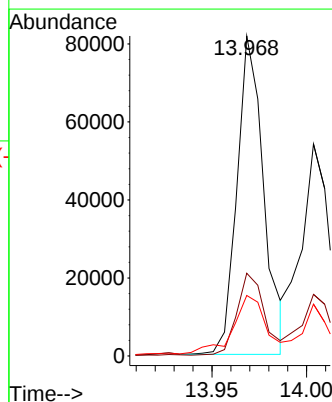
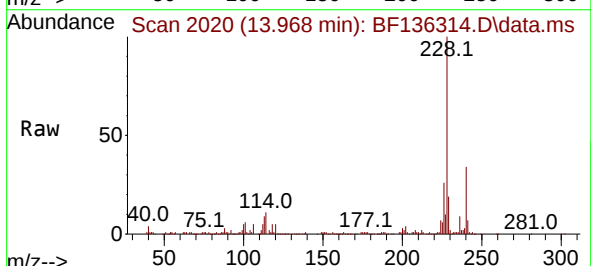
Tgt Ion:228 Resp: 80216

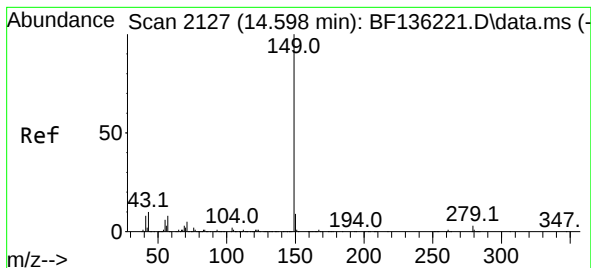
Ion Ratio Lower Upper

228 100

226 25.9 25.5 38.3

229 18.9 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 5.196 ng

RT: 14.568 min Scan# 2122

Delta R.T. -0.030 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

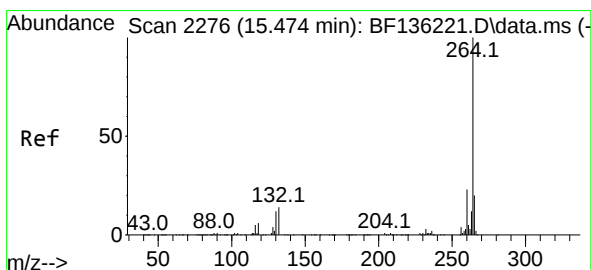
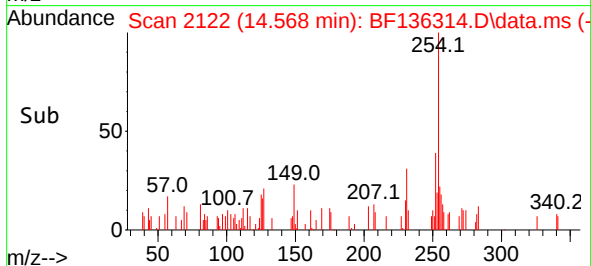
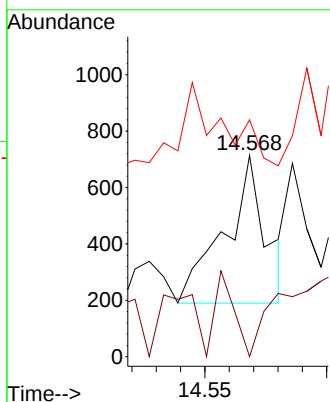
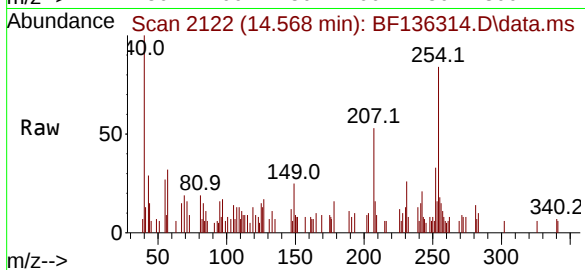
Tgt Ion:149 Resp: 610

Ion Ratio Lower Upper

149 100

167 26.6 1.0 1.6#

43 0.0 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.012 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

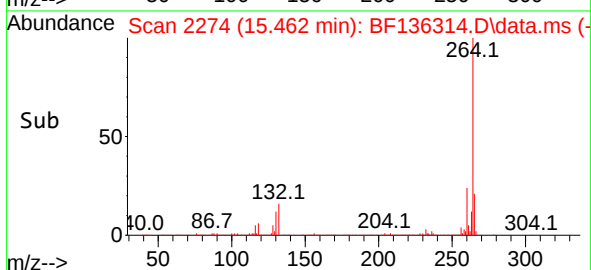
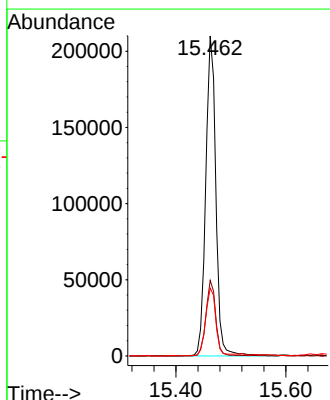
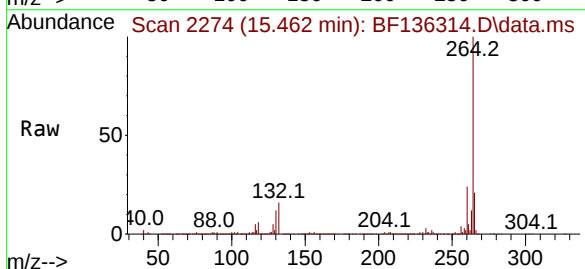
Tgt Ion:264 Resp: 268668

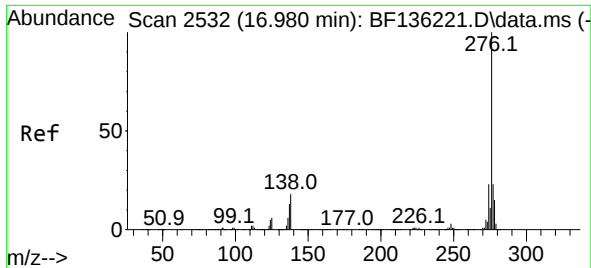
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

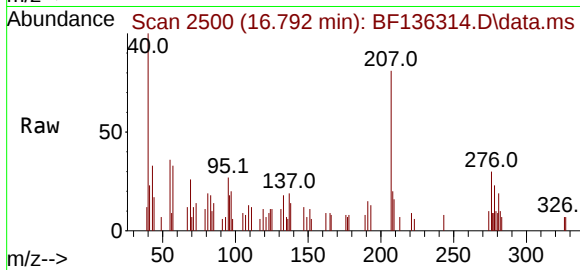
265 21.2 15.7 23.5



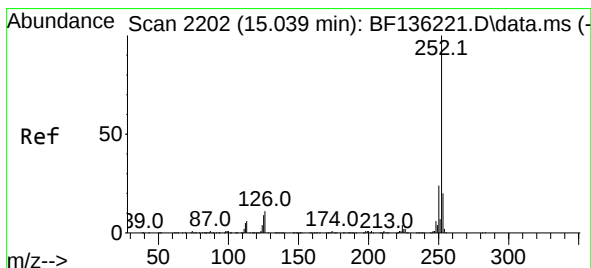
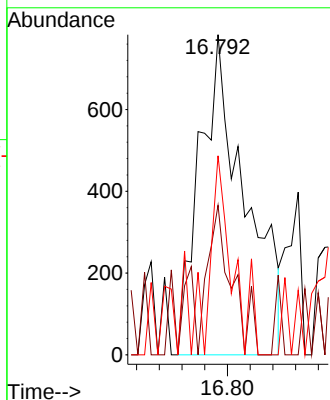
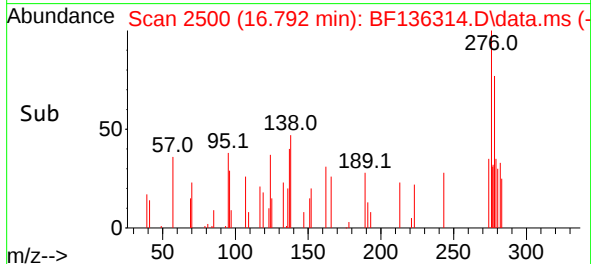


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.782 ng
 RT: 16.792 min Scan# 21
 Delta R.T. -0.188 min
 Lab File: BF136314.D
 Acq: 30 Nov 2023 15:24

Instrument :
 BNA_F
 ClientSampleId :

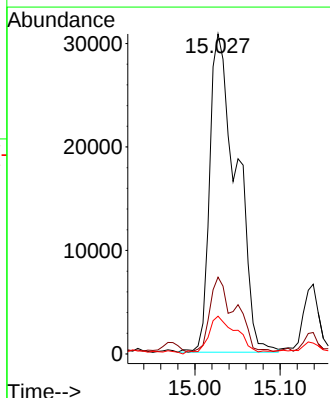
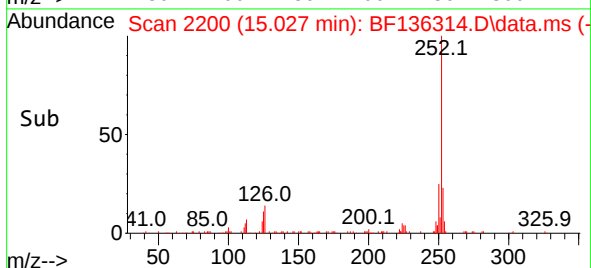
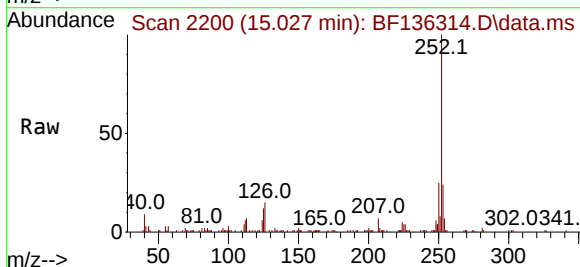


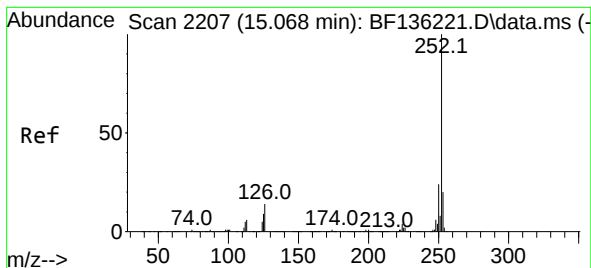
Tgt Ion:276 Resp: 2178
 Ion Ratio Lower Upper
 276 100
 138 25.1 17.7 26.5
 277 27.5 19.6 29.4



#88
 Benzo(b)fluoranthene
 Concen: 3.579 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. -0.012 min
 Lab File: BF136314.D
 Acq: 30 Nov 2023 15:24

Tgt Ion:252 Resp: 67466
 Ion Ratio Lower Upper
 252 100
 253 24.0 16.2 24.2
 125 11.8 6.9 10.3#





#89

Benzo(k)fluoranthene

Concen: 3.769 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :

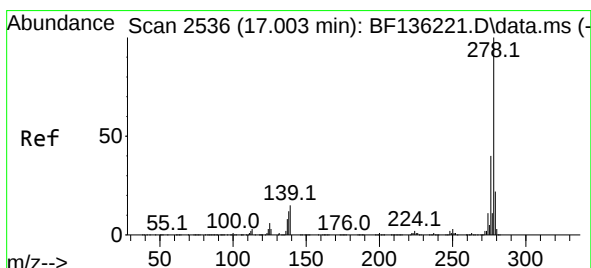
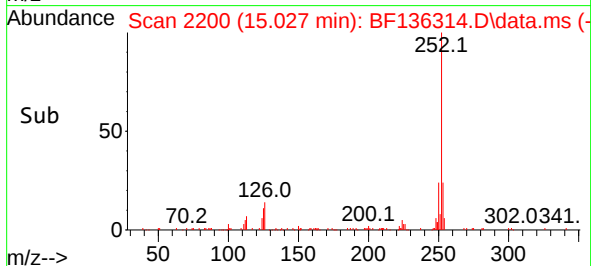
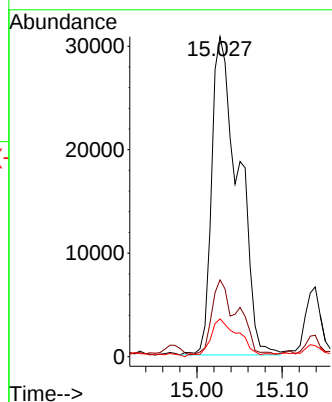
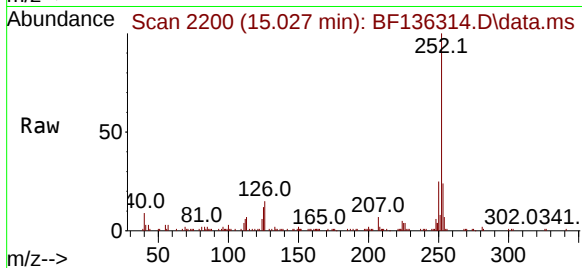
Tgt Ion:252 Resp: 67466

Ion Ratio Lower Upper

252 100

253 24.0 15.6 23.4#

125 11.8 7.0 10.4#



#91

Dibenzo(a,h)anthracene

Concen: 2.950 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.041 min

Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

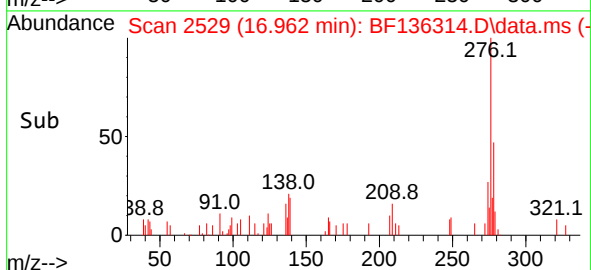
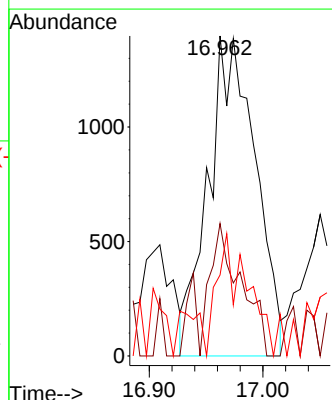
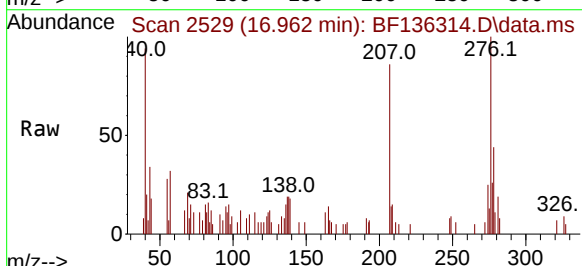
Tgt Ion:278 Resp: 4039

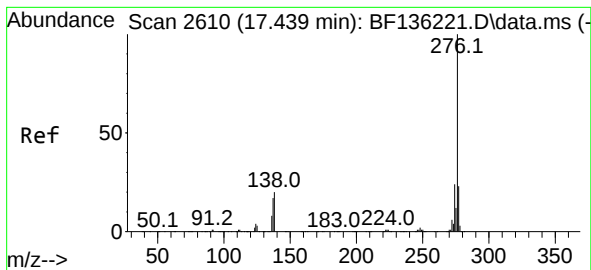
Ion Ratio Lower Upper

278 100

139 41.4 11.7 17.5#

279 25.3 17.8 26.8





#92

Benzo(g,h,i)perylene

Concen: 2.279 ng

RT: 17.409 min Scan# 20

Delta R.T. -0.030 min

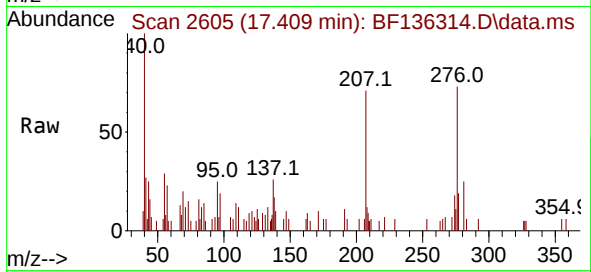
Lab File: BF136314.D

Acq: 30 Nov 2023 15:24

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 6370

Ion Ratio Lower Upper

276 100

277 25.7 18.6 27.8

138 22.6 15.8 23.8

