

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142258.D
 Acq On : 01 May 2025 14:09
 Operator : RC/JU
 Sample : Q1920-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 291

Quant Time: May 01 14:37:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

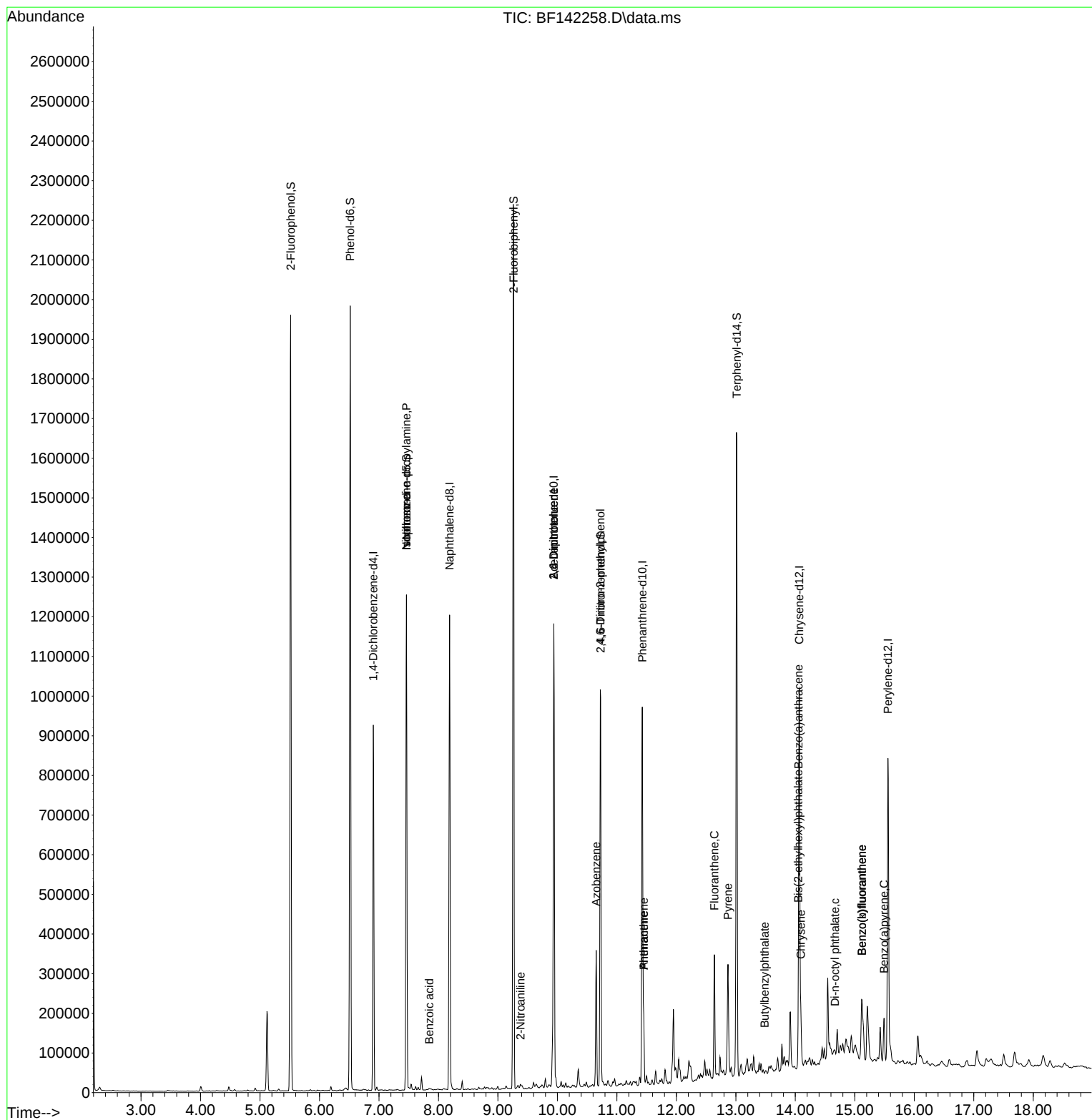
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	193423	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	716335	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	331151	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	468257	20.000	ng	0.00
76) Chrysene-d12	14.069	240	418314	20.000	ng	0.00
86) Perylene-d12	15.557	264	447008	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	733788	60.588	ng	0.00
7) Phenol-d6	6.516	99	883230	60.391	ng	-0.01
23) Nitrobenzene-d5	7.463	82	488666	44.817	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	163109	54.029	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	999849	42.571	ng	0.00
79) Terphenyl-d14	13.016	244	788193	27.404	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	65720	7.272	ng	# 82
25) Isophorone	7.463	82	488410	21.343	ng	# 64
32) Benzoic acid	7.845	122	1256	10.985	ng	92
48) 2-Nitroaniline	9.381	65	122	4.791	ng	# 20
51) 2,6-Dinitrotoluene	9.939	165	43965	13.937	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	43965	13.029	ng	# 23
63) Azobenzene	10.651	77	78070	3.779	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	238	10.731	ng	# 1
71) Phenanthrene	11.451	178	88540	3.501	ng	98
72) Anthracene	11.451	178	88540	3.424	ng	98
75) Fluoranthene	12.639	202	167868	6.714	ng	99
78) Pyrene	12.869	202	157157	4.073	ng	98
80) Butylbenzylphthalate	13.486	149	817	3.788	ng	# 78
81) Benzo(a)anthracene	14.057	228	81614	2.906	ng	95
83) Chrysene	14.092	228	77238	3.022	ng	97
84) Bis(2-ethylhexyl)phtha...	14.051	149	6704	3.880	ng	94
85) Di-n-octyl phthalate	14.669	149	9851	6.389	ng	# 99
88) Benzo(b)fluoranthene	15.121	252	140728	5.068	ng	99
89) Benzo(k)fluoranthene	15.121	252	140728	5.541	ng	99
90) Benzo(a)pyrene	15.492	252	65751	2.586	ng	100

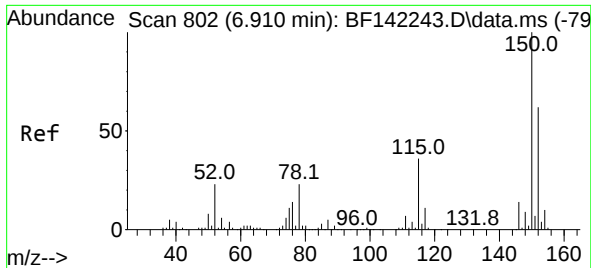
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
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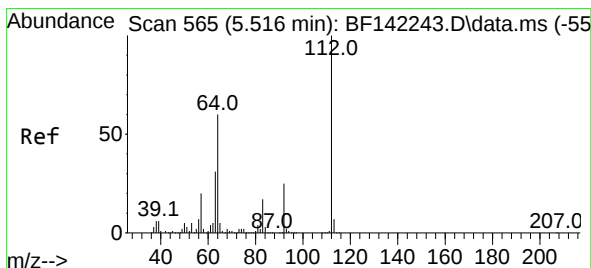
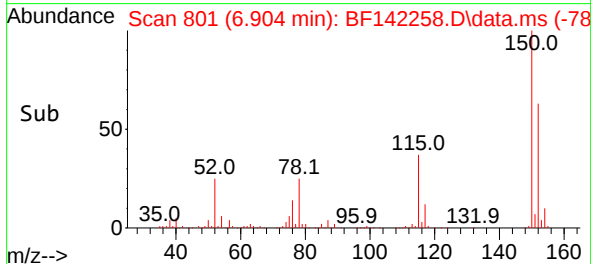
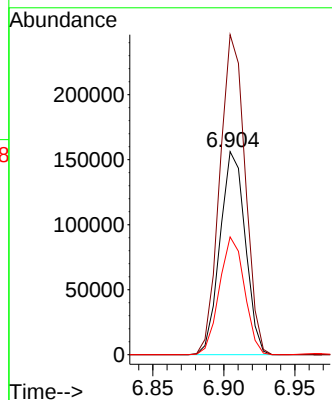
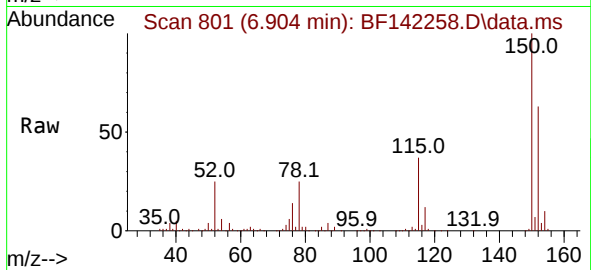




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. -0.006 min
 Lab File: BF142258.D
 Acq: 01 May 2025 14:09

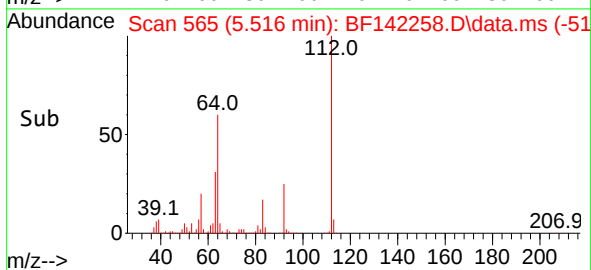
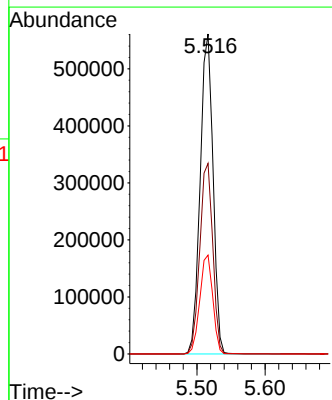
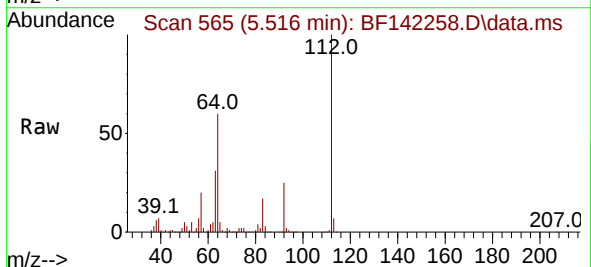
Instrument :
 BNA_F
 ClientSampleId :
 291

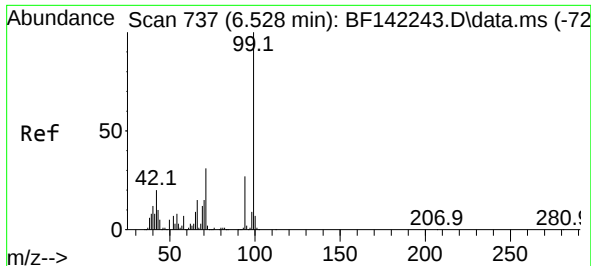
Tgt Ion:152 Resp: 193423
 Ion Ratio Lower Upper
 152 100
 150 157.6 130.2 195.2
 115 58.0 47.0 70.4



#5
 2-Fluorophenol
 Concen: 60.588 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: BF142258.D
 Acq: 01 May 2025 14:09

Tgt Ion:112 Resp: 733788
 Ion Ratio Lower Upper
 112 100
 64 59.6 48.4 72.6
 63 30.9 24.8 37.2





#7
Phenol-d6
Concen: 60.391 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

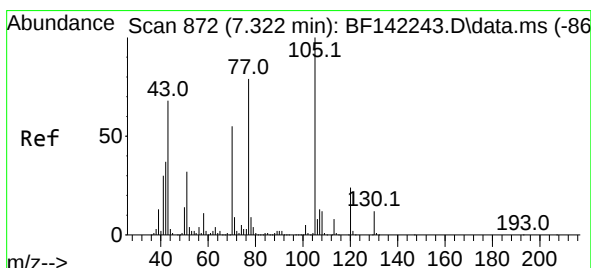
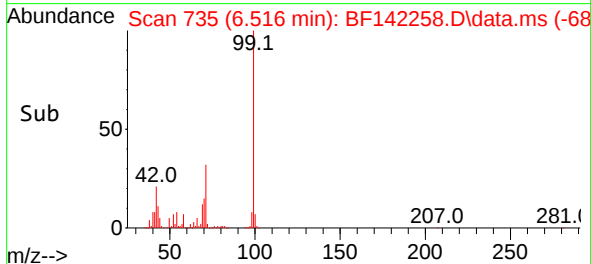
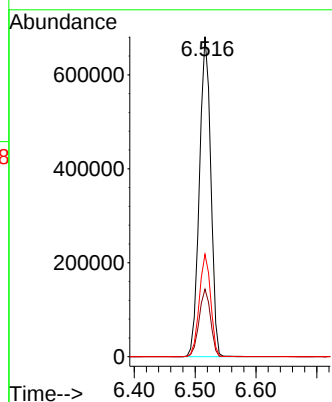
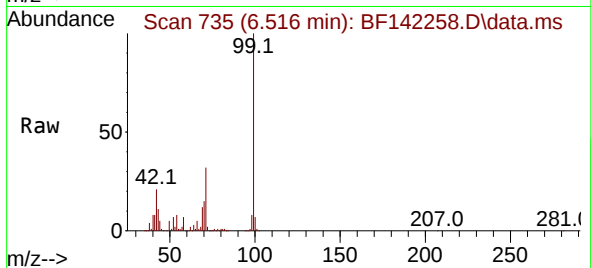
Instrument :

BNA_F

ClientSampleId :

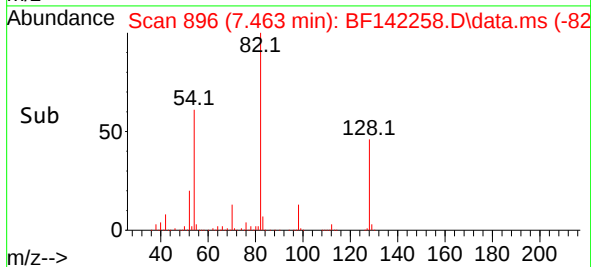
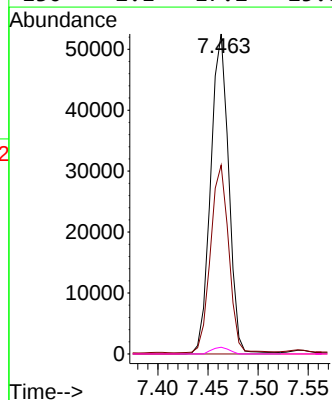
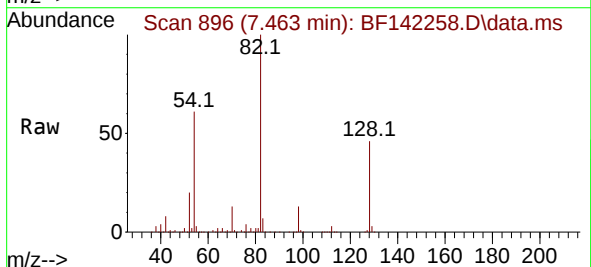
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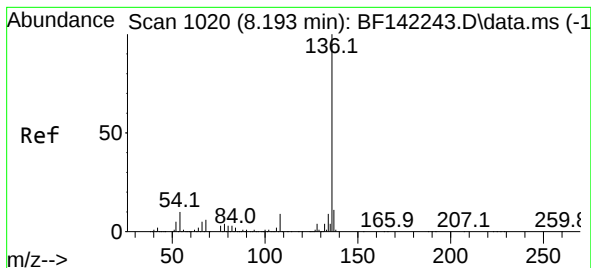
Tgt Ion: 99 Resp: 883230
Ion Ratio Lower Upper
99 100
42 21.1 16.3 24.5
71 32.0 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.272 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion: 70 Resp: 65720
Ion Ratio Lower Upper
70 100
42 59.0 53.4 80.2
101 0.0 7.7 11.5#
130 2.1 17.2 25.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142258.D

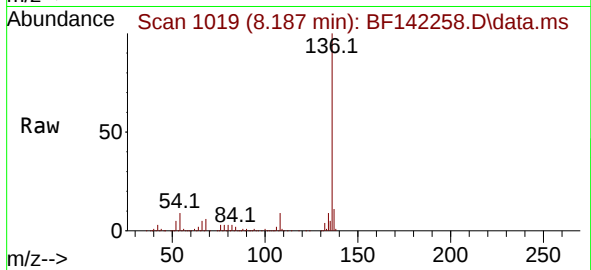
Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291



Tgt Ion:136 Resp: 716335

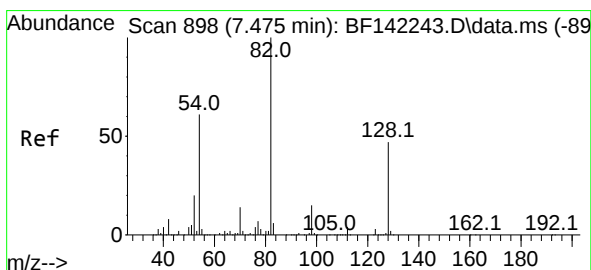
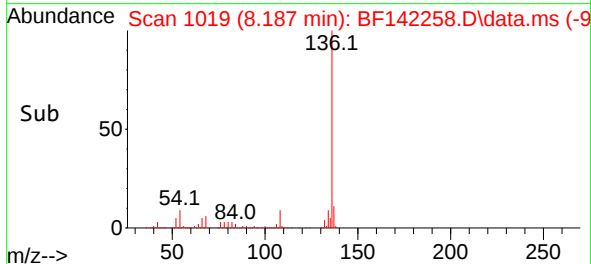
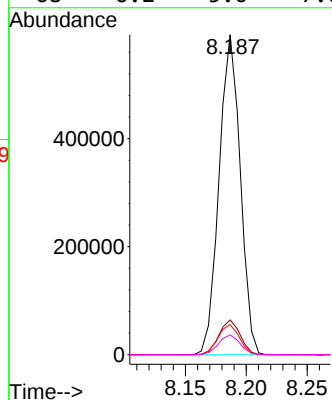
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 9.4 7.7 11.5

68 6.2 5.0 7.6



#23

Nitrobenzene-d5

Concen: 44.817 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

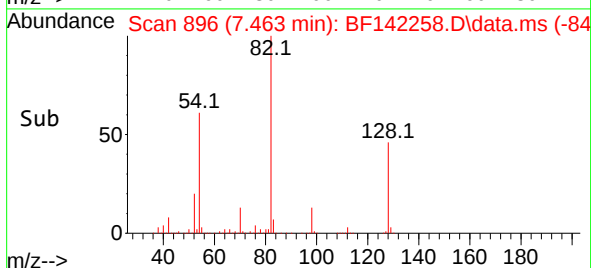
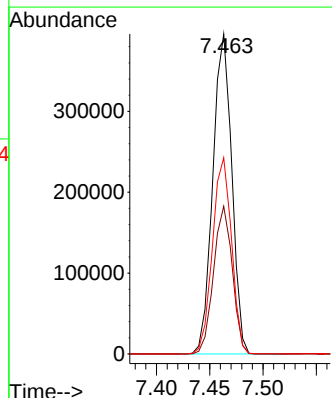
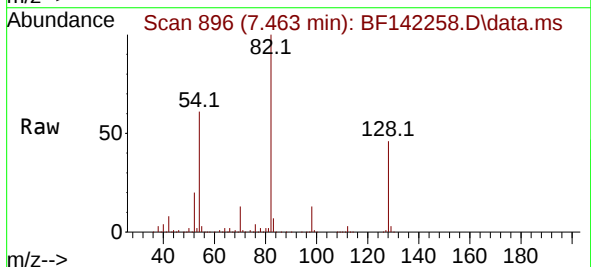
Tgt Ion: 82 Resp: 488666

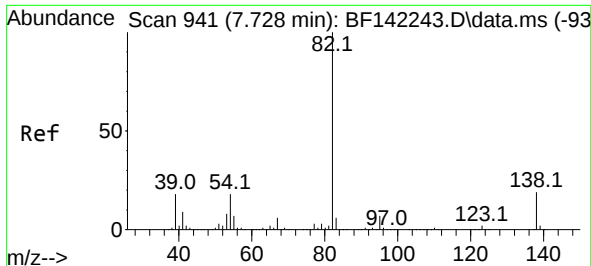
Ion Ratio Lower Upper

82 100

128 46.2 37.0 55.6

54 61.3 48.0 72.0

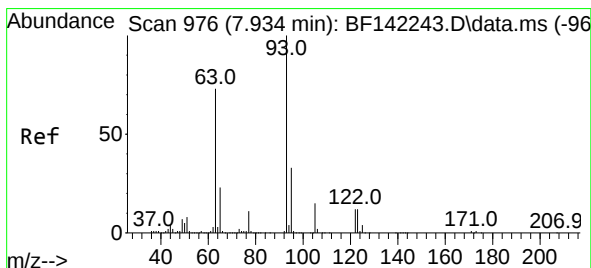
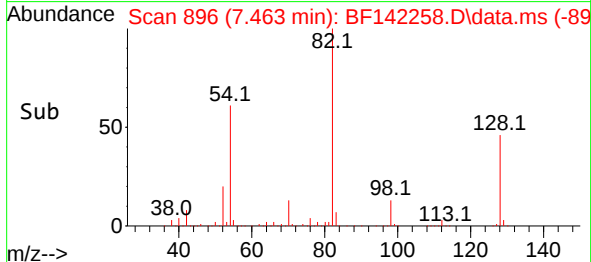
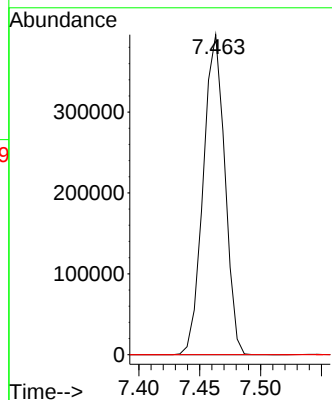
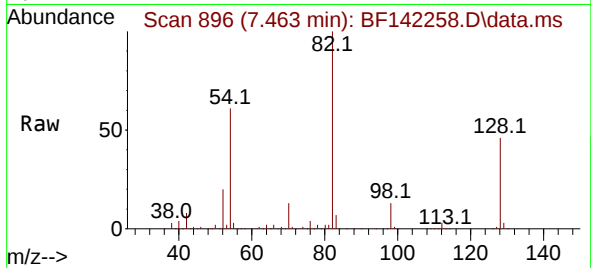




#25
Isophorone
Concen: 21.343 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

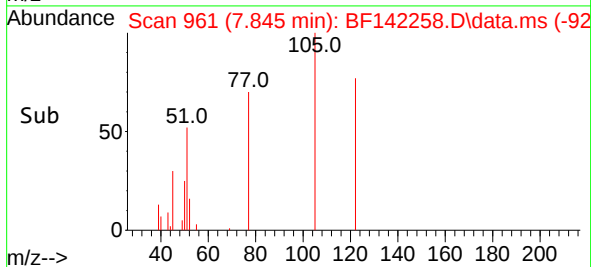
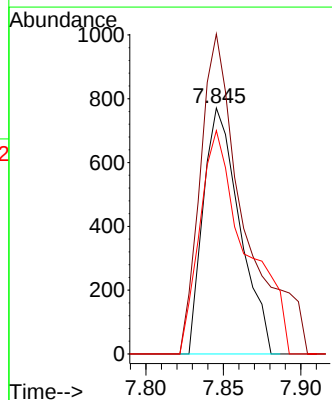
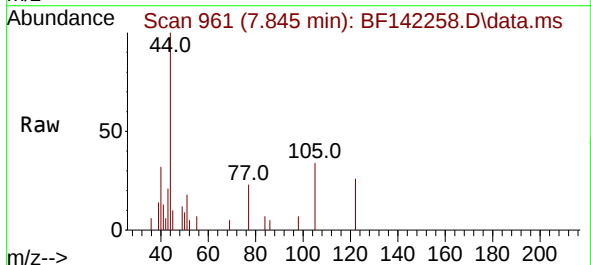
Instrument :
BNA_F
ClientSampleId :
291

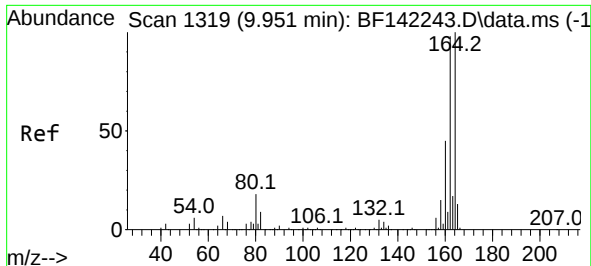
Tgt Ion: 82 Resp: 488410
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 10.985 ng
RT: 7.845 min Scan# 961
Delta R.T. -0.089 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion:122 Resp: 1256
Ion Ratio Lower Upper
122 100
105 130.1 98.2 138.2
77 90.8 66.8 106.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

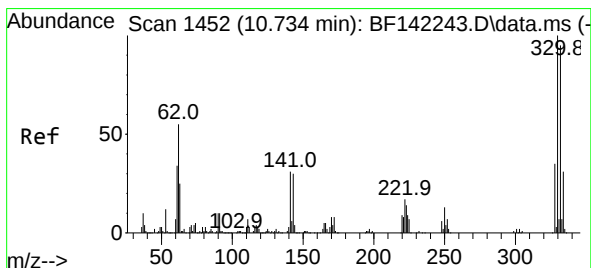
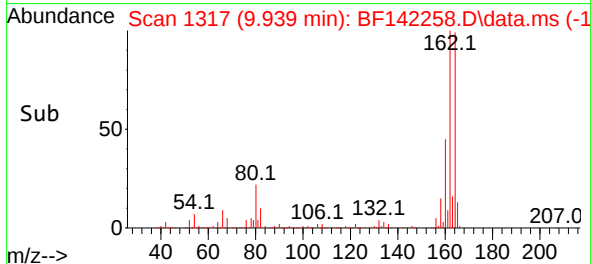
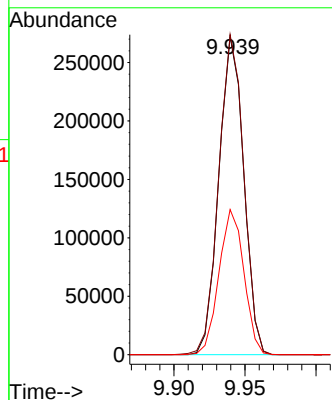
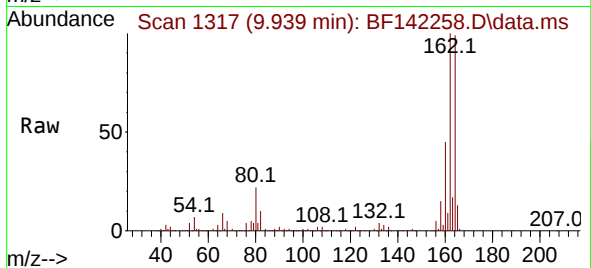
Tgt Ion:164 Resp: 331151

Ion Ratio Lower Upper

164 100

162 100.6 78.6 117.8

160 45.6 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 54.029 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

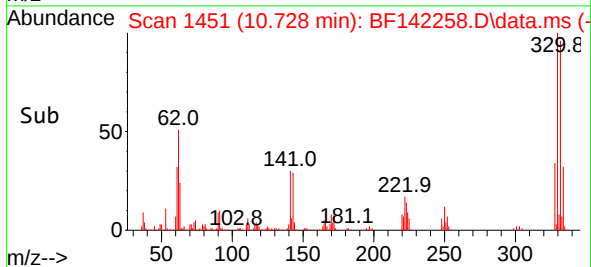
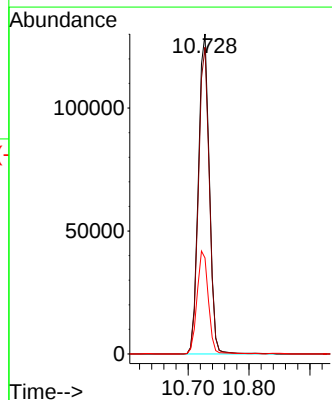
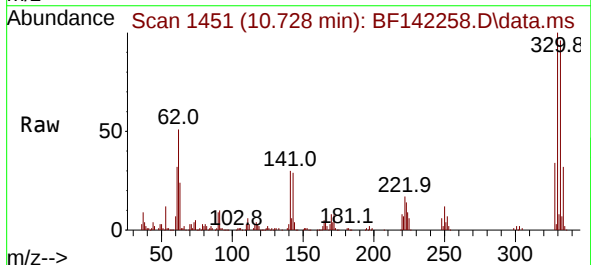
Tgt Ion:330 Resp: 163109

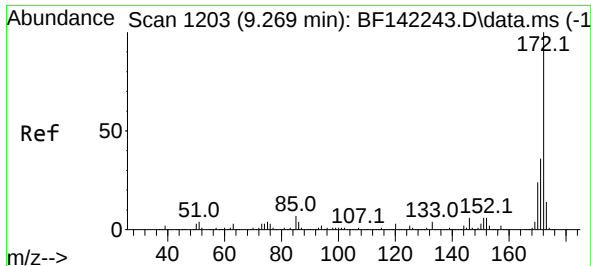
Ion Ratio Lower Upper

330 100

332 95.1 76.5 114.7

141 33.1 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 42.571 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

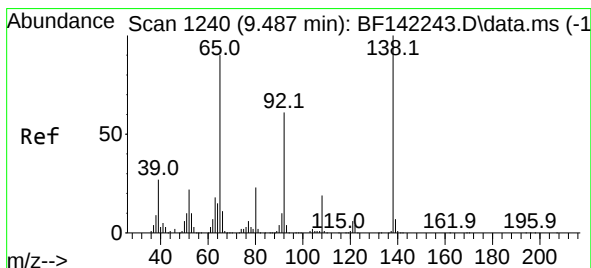
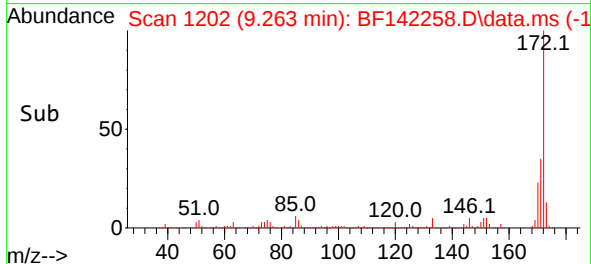
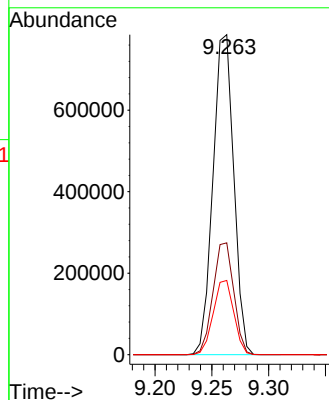
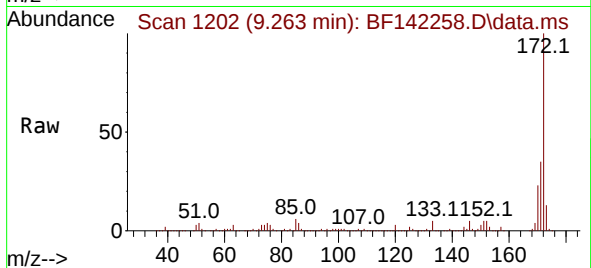
Tgt Ion:172 Resp: 999849

Ion Ratio Lower Upper

172 100

171 35.0 29.0 43.4

170 23.2 19.4 29.0



#48

2-Nitroaniline

Concen: 4.791 ng

RT: 9.381 min Scan# 1222

Delta R.T. -0.106 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

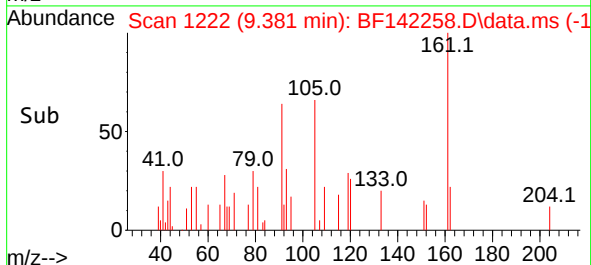
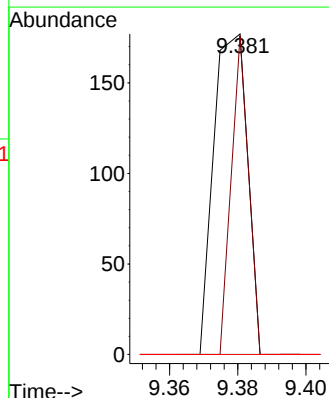
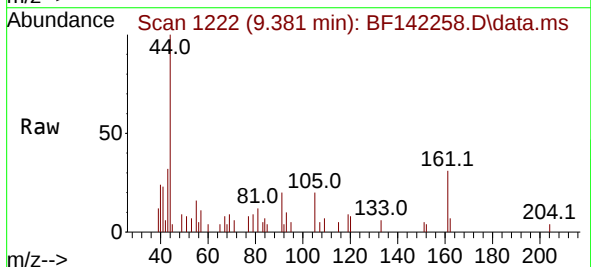
Tgt Ion: 65 Resp: 122

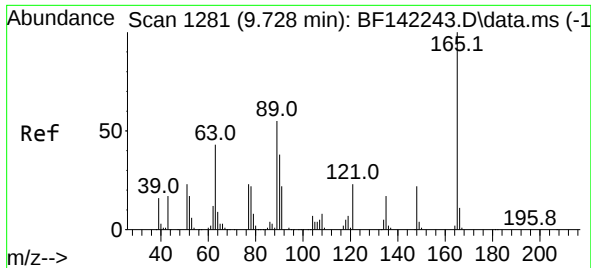
Ion Ratio Lower Upper

65 100

92 99.4 54.3 81.5#

138 0.0 88.6 133.0#

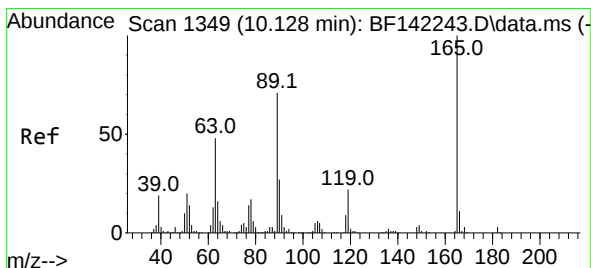
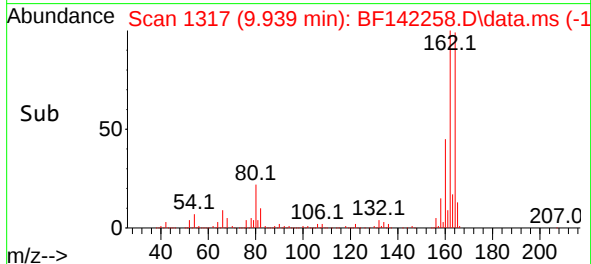
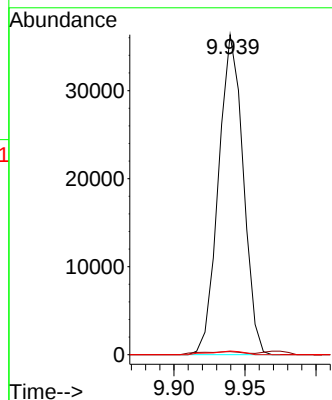
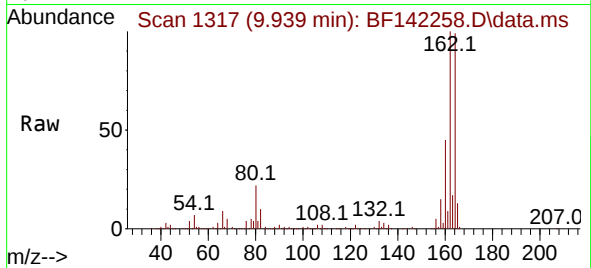




#51
2,6-Dinitrotoluene
Concen: 13.937 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

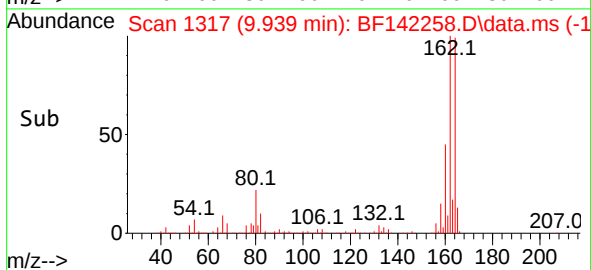
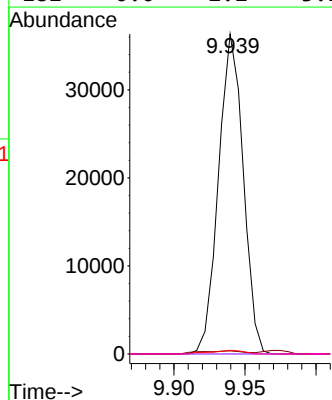
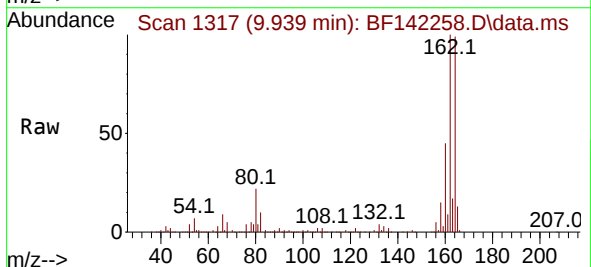
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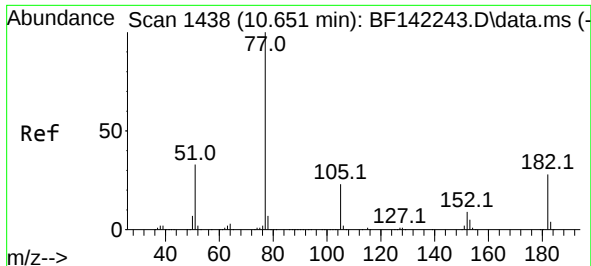
Tgt Ion:165 Resp: 43965
Ion Ratio Lower Upper
165 100
63 0.9 48.5 72.7#
89 1.1 43.9 65.9#



#57
2,4-Dinitrotoluene
Concen: 13.029 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.189 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion:165 Resp: 43965
Ion Ratio Lower Upper
165 100
63 0.9 38.8 58.2#
89 1.1 57.1 85.7#
182 0.0 2.2 3.2#

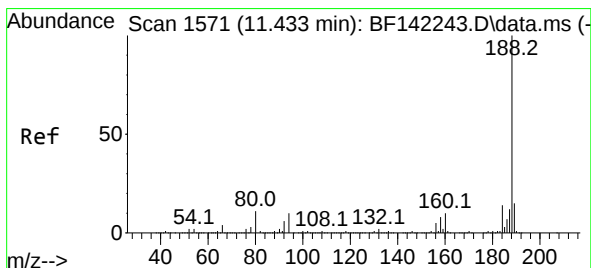
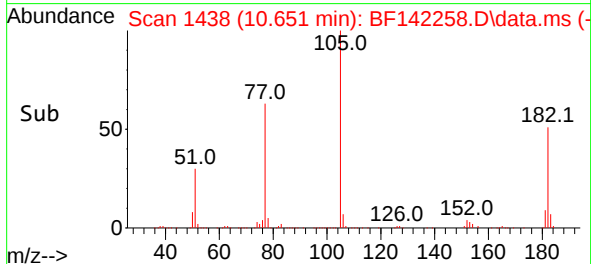
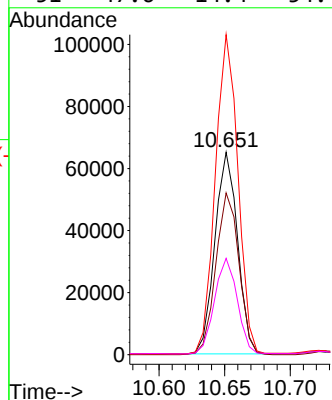
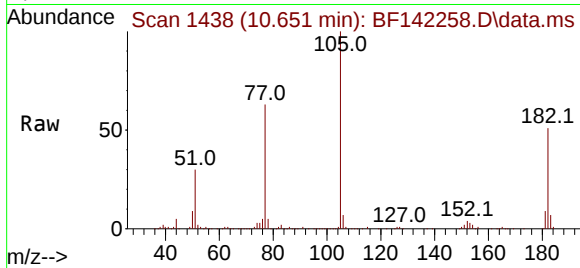




#63
Azobenzene
Concen: 3.779 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

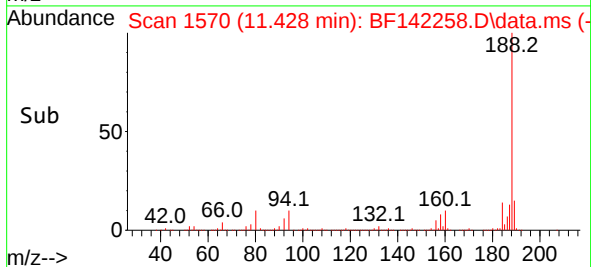
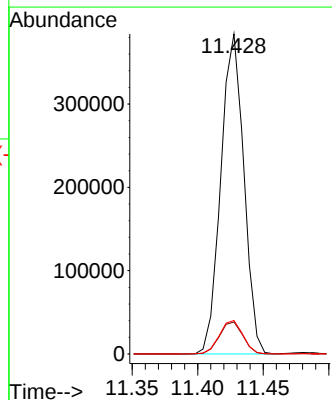
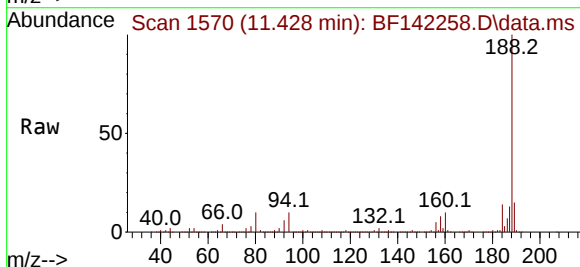
Instrument :
BNA_F
ClientSampleId :
291

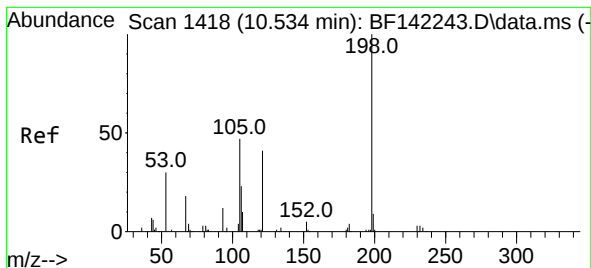
Tgt Ion: 77 Resp: 78070
Ion Ratio Lower Upper
77 100
182 79.9 7.3 47.3#
105 158.1 2.5 42.5#
51 47.6 14.4 54.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion: 188 Resp: 468257
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 10.4 8.6 12.8

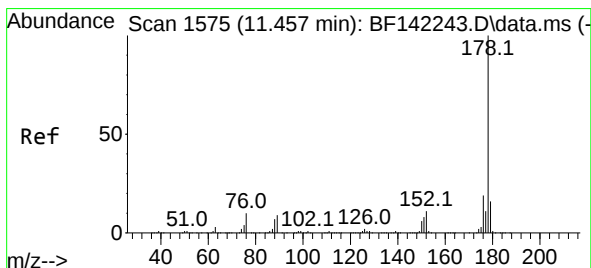
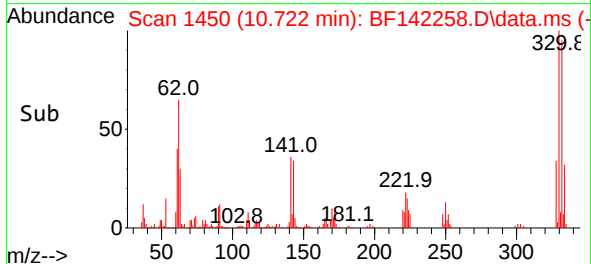
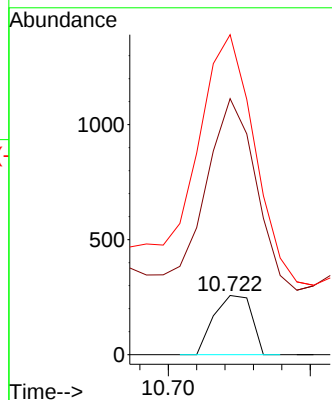
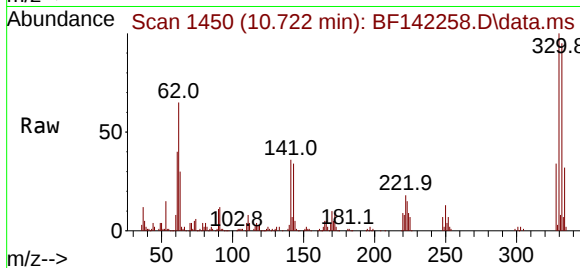




#65
4,6-Dinitro-2-methylphenol
Concen: 10.731 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.188 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

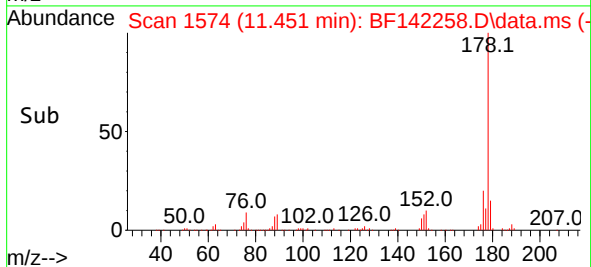
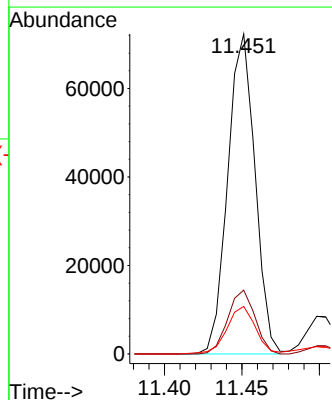
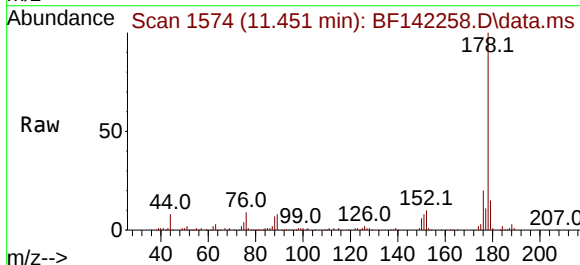
Instrument :
BNA_F
ClientSampleId :
291

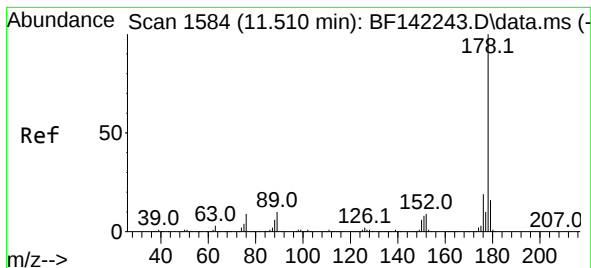
Tgt Ion:198 Resp: 238
Ion Ratio Lower Upper
198 100
51 433.1 40.6 80.6#
105 541.2 29.2 69.2#



#71
Phenanthrene
Concen: 3.501 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion:178 Resp: 88540
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 14.8 12.6 19.0





#72

Anthracene

Concen: 3.424 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

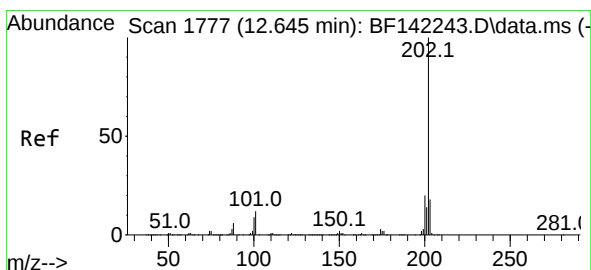
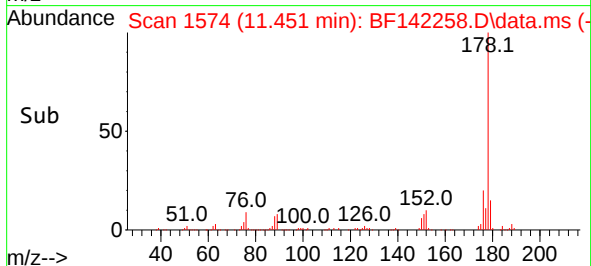
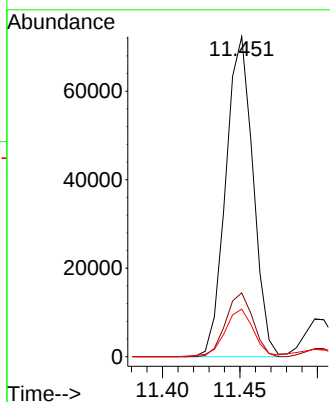
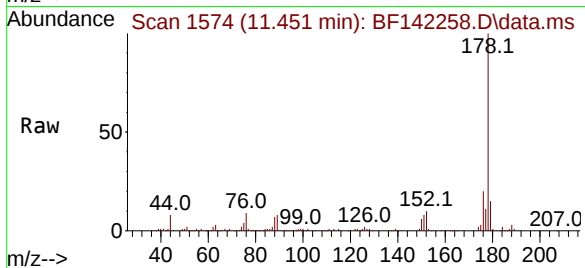
Tgt Ion:178 Resp: 88540

Ion Ratio Lower Upper

178 100

176 19.9 15.3 22.9

179 14.8 12.7 19.1



#75

Fluoranthene

Concen: 6.714 ng

RT: 12.639 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

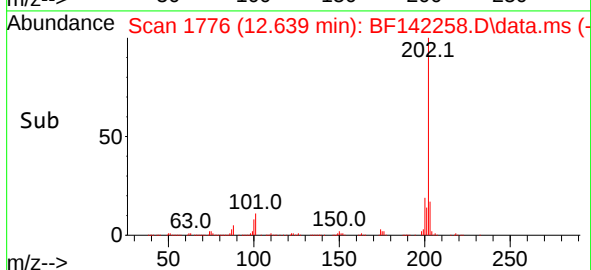
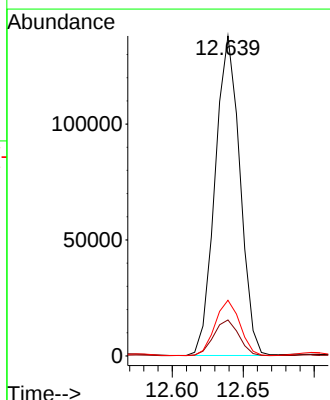
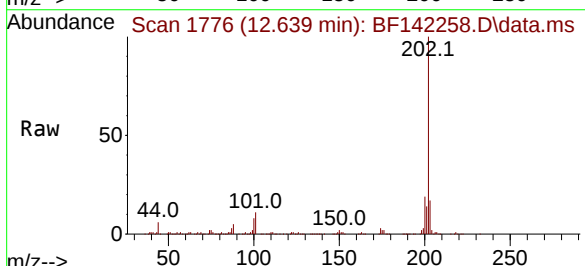
Tgt Ion:202 Resp: 167868

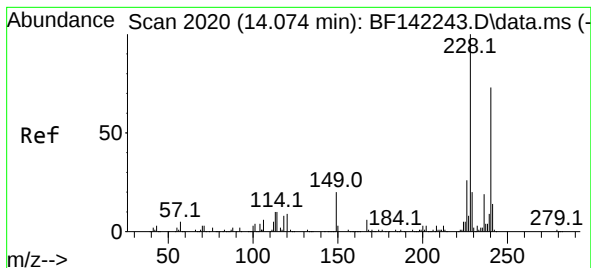
Ion Ratio Lower Upper

202 100

101 11.3 0.0 32.4

203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

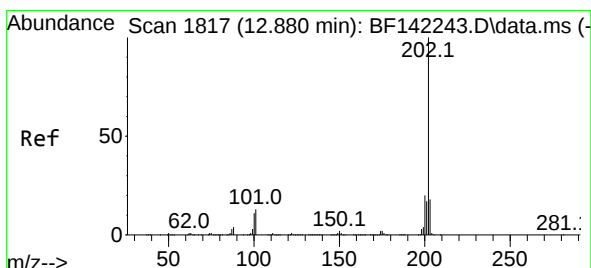
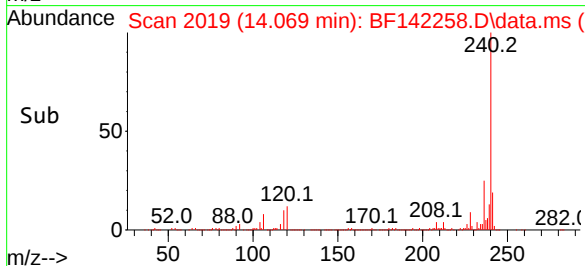
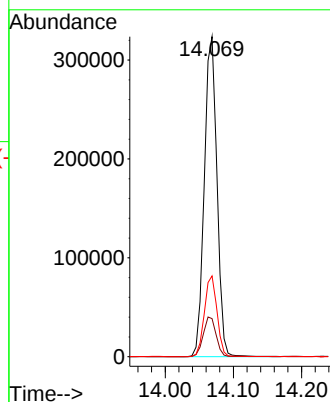
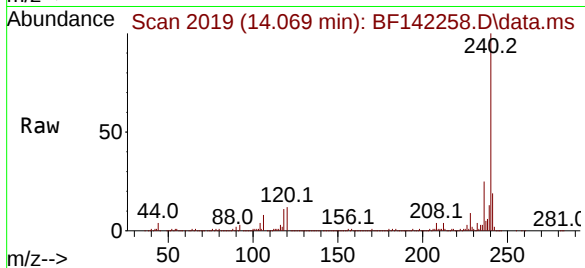
Tgt Ion:240 Resp: 418314

Ion Ratio Lower Upper

240 100

120 11.9 10.1 15.1

236 25.2 20.5 30.7



#78

Pyrene

Concen: 4.073 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

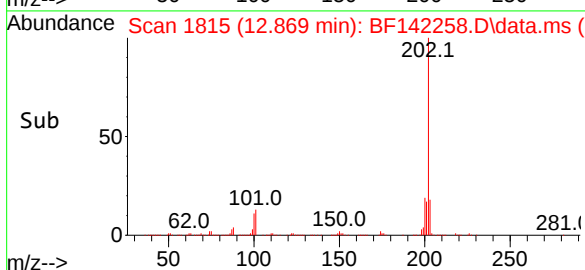
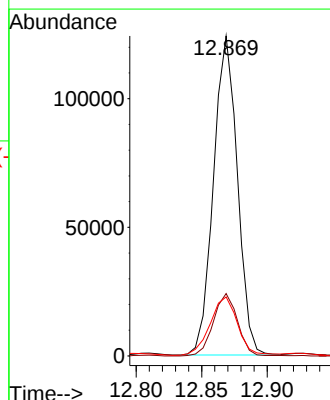
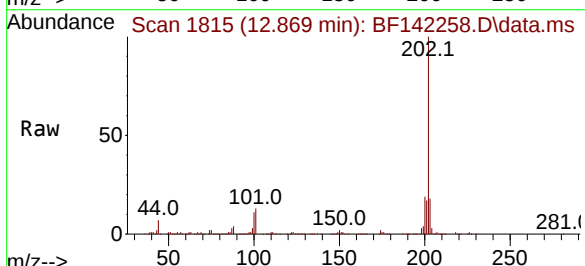
Tgt Ion:202 Resp: 157157

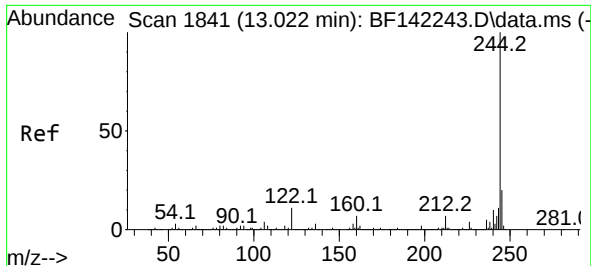
Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 18.4 14.1 21.1

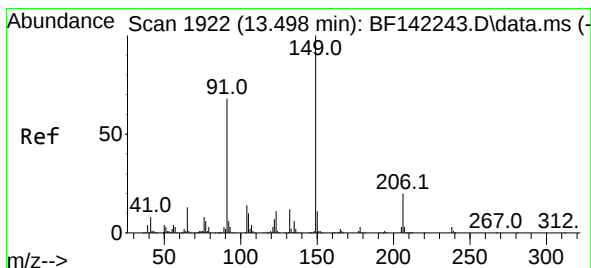
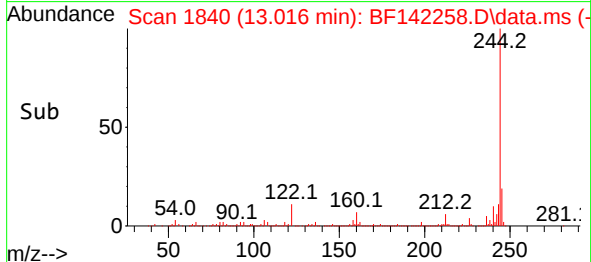
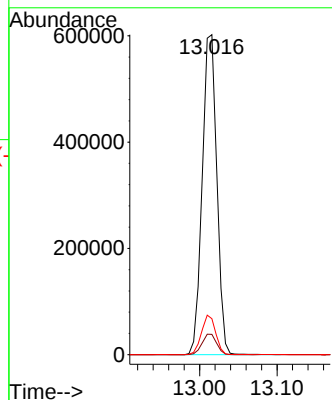
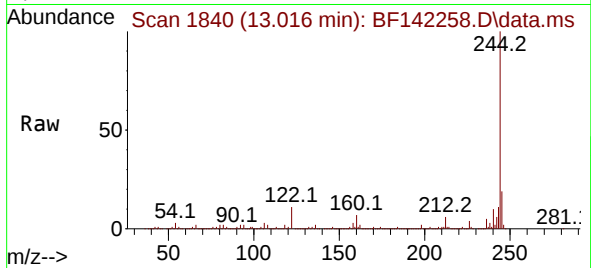




#79
 Terphenyl-d14
 Concen: 27.404 ng
 RT: 13.016 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF142258.D
 Acq: 01 May 2025 14:09

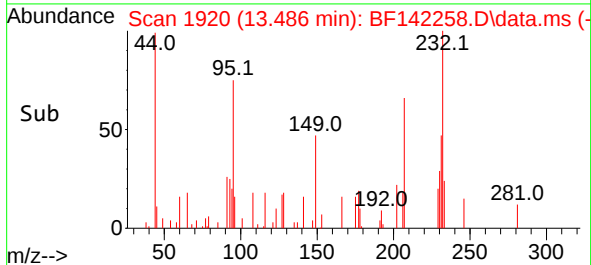
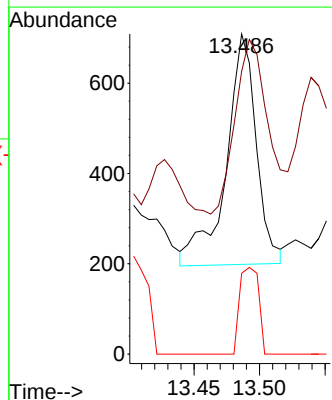
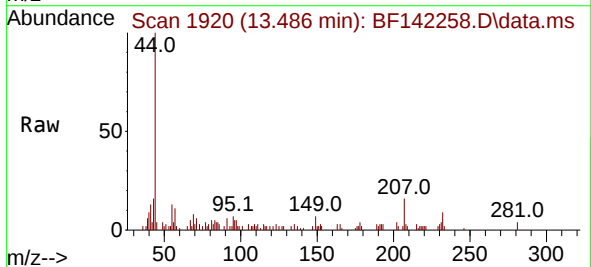
Instrument :
 BNA_F
 ClientSampleId :
 291

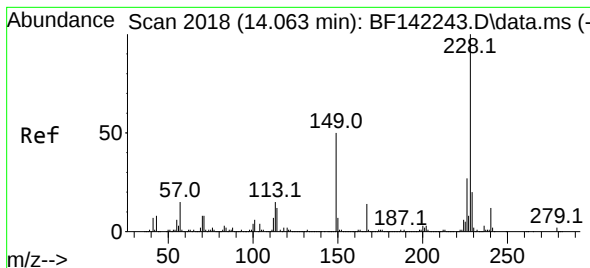
Tgt Ion:244 Resp: 788193
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 11.2 9.1 13.7



#80
 Butylbenzylphthalate
 Concen: 3.788 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.012 min
 Lab File: BF142258.D
 Acq: 01 May 2025 14:09

Tgt Ion:149 Resp: 817
 Ion Ratio Lower Upper
 149 100
 91 88.3 54.4 81.6#
 206 25.2 15.9 23.9#





#81

Benzo(a)anthracene

Concen: 2.906 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

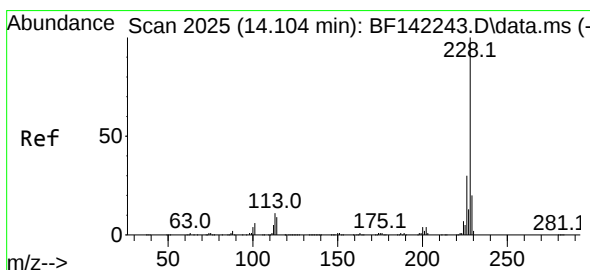
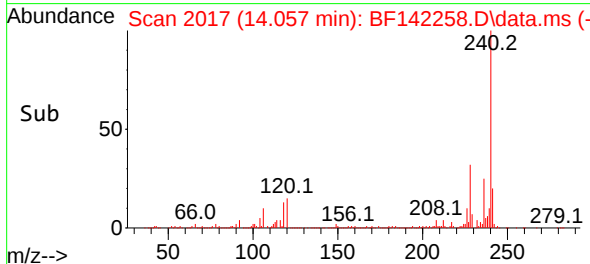
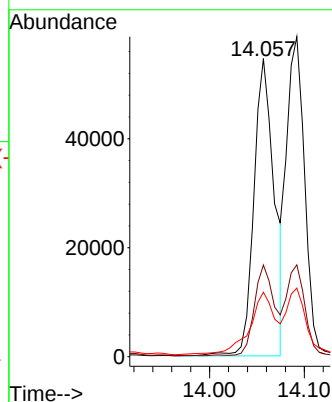
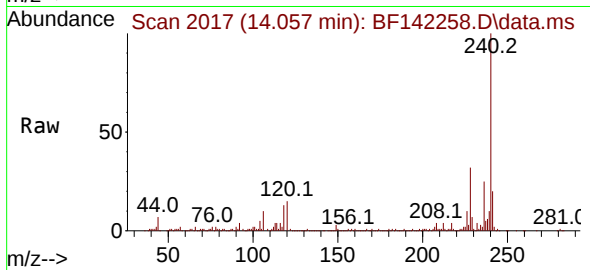
Tgt Ion:228 Resp: 81614

Ion Ratio Lower Upper

228 100

226 30.8 21.9 32.9

229 21.6 16.0 24.0



#83

Chrysene

Concen: 3.022 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

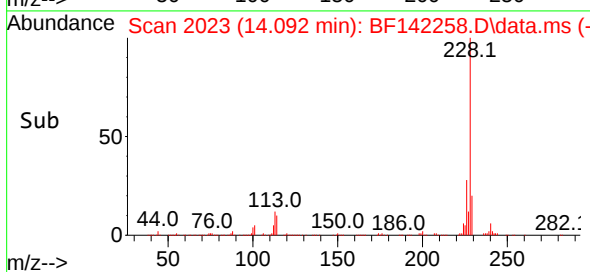
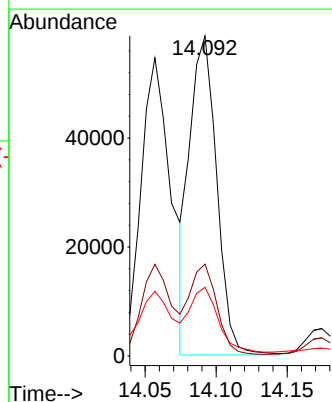
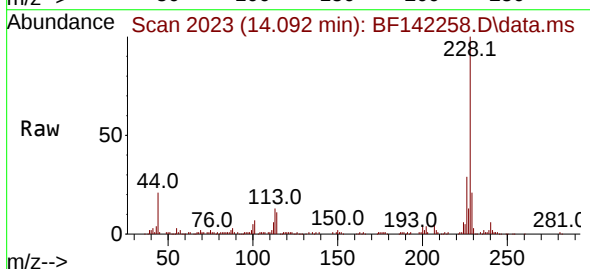
Tgt Ion:228 Resp: 77238

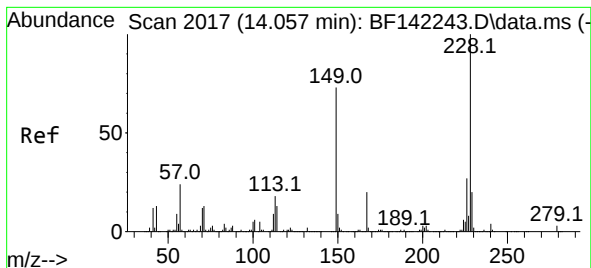
Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

229 21.5 15.7 23.5

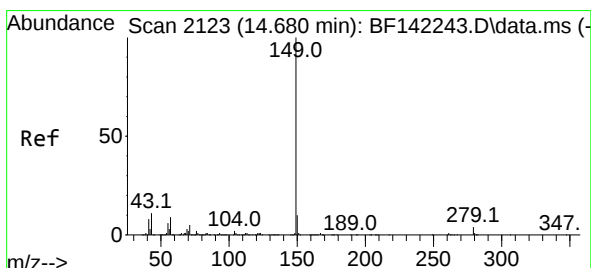
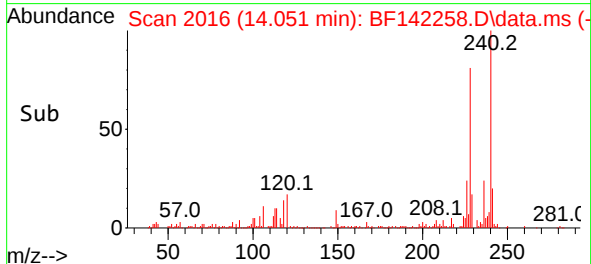
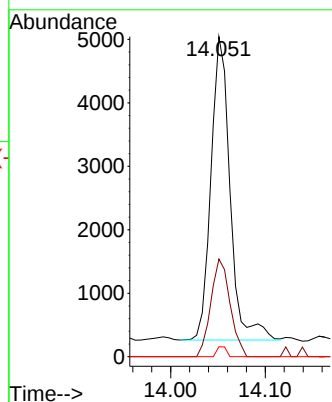
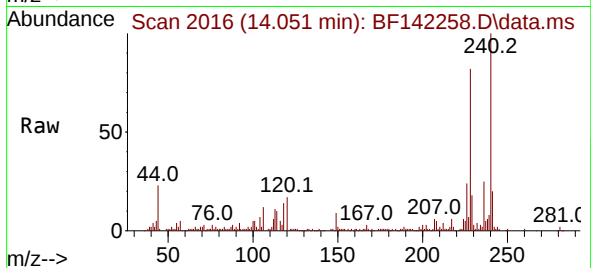




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.880 ng
RT: 14.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

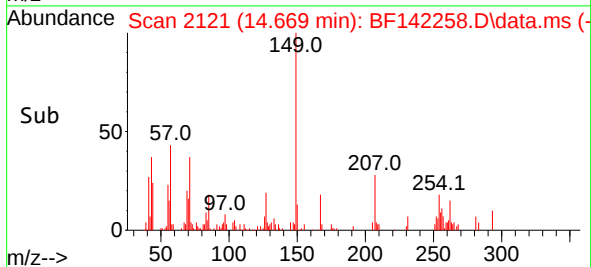
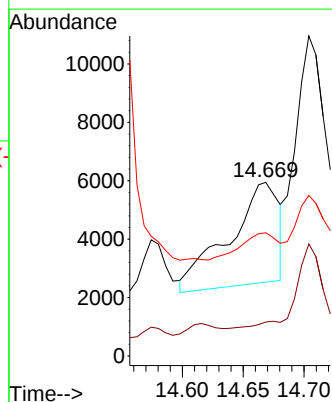
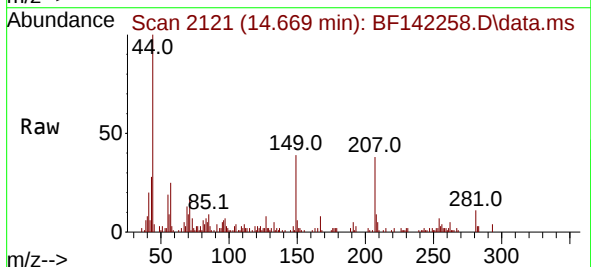
Instrument :
BNA_F
ClientSampleId :
291

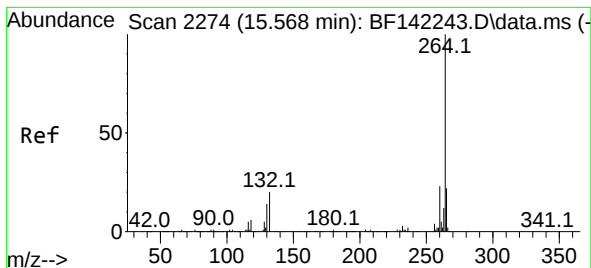
Tgt Ion:149 Resp: 6704
Ion Ratio Lower Upper
149 100
167 30.5 21.7 32.5
279 3.1 3.0 4.4



#85
Di-n-octyl phthalate
Concen: 6.389 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.011 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion:149 Resp: 9851
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 11.3 9.3 13.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

Instrument :

BNA_F

ClientSampleId :

291

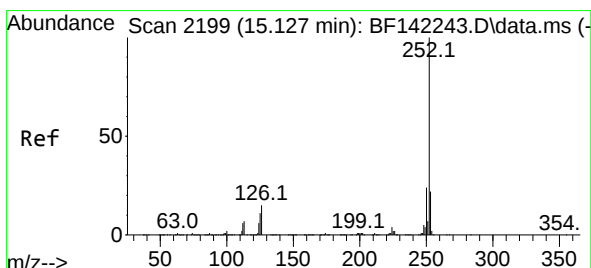
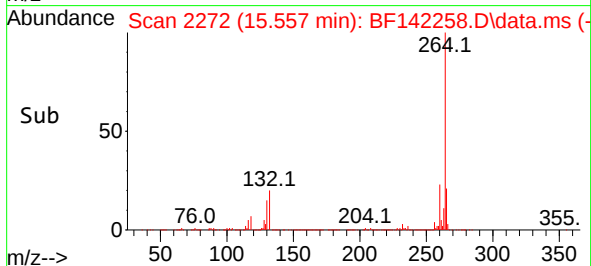
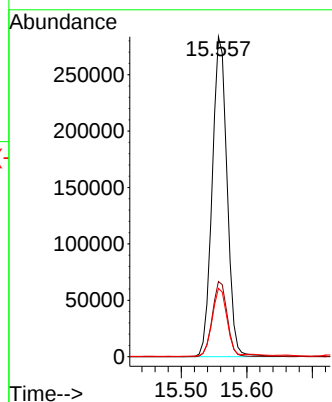
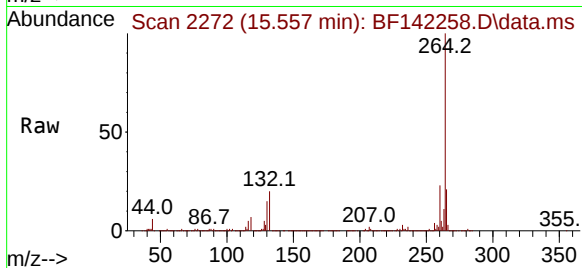
Tgt Ion:264 Resp: 447008

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 21.3 17.3 25.9



#88

Benzo(b)fluoranthene

Concen: 5.068 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142258.D

Acq: 01 May 2025 14:09

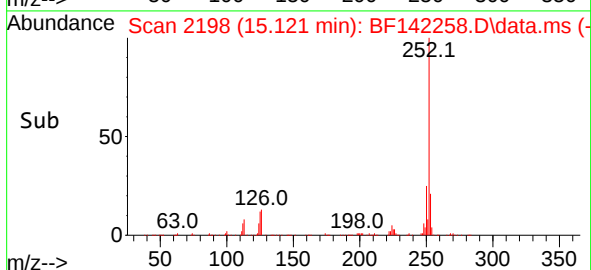
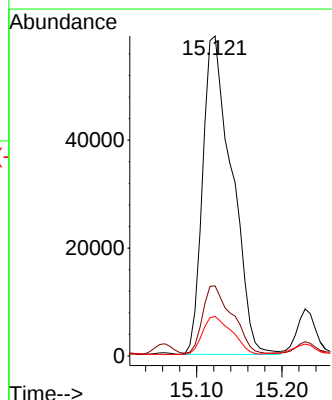
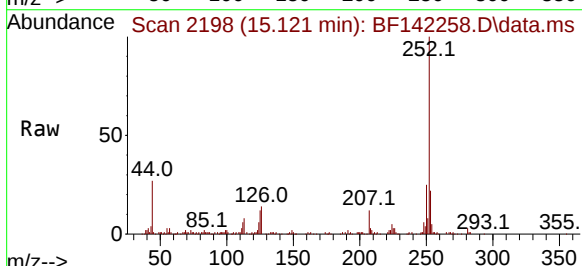
Tgt Ion:252 Resp: 140728

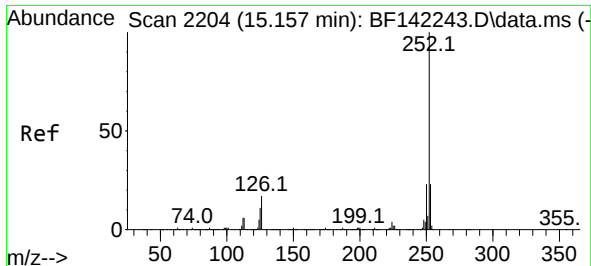
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 12.3 9.0 13.4

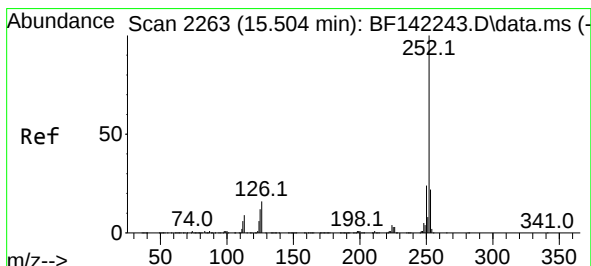
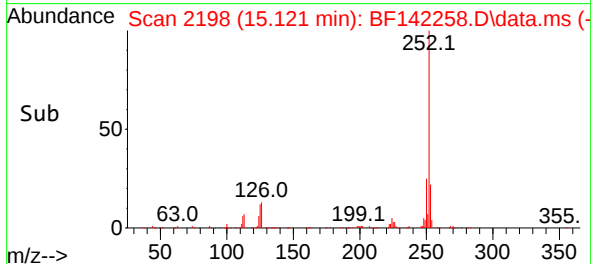
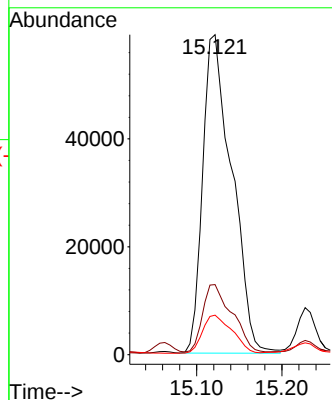
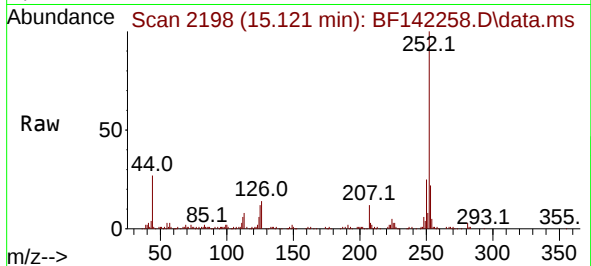




#89
Benzo(k)fluoranthene
Concen: 5.541 ng
RT: 15.121 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Instrument :
BNA_F
ClientSampleId :
291

Tgt Ion:252 Resp: 140728
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.3 9.0 13.6



#90
Benzo(a)pyrene
Concen: 2.586 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.012 min
Lab File: BF142258.D
Acq: 01 May 2025 14:09

Tgt Ion:252 Resp: 65751
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.8 9.5 14.3

