

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143513.D
 Acq On : 21 Aug 2025 05:18
 Operator : RC/JU
 Sample : Q2900-05
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11C-081825

Quant Time: Aug 21 07:06:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

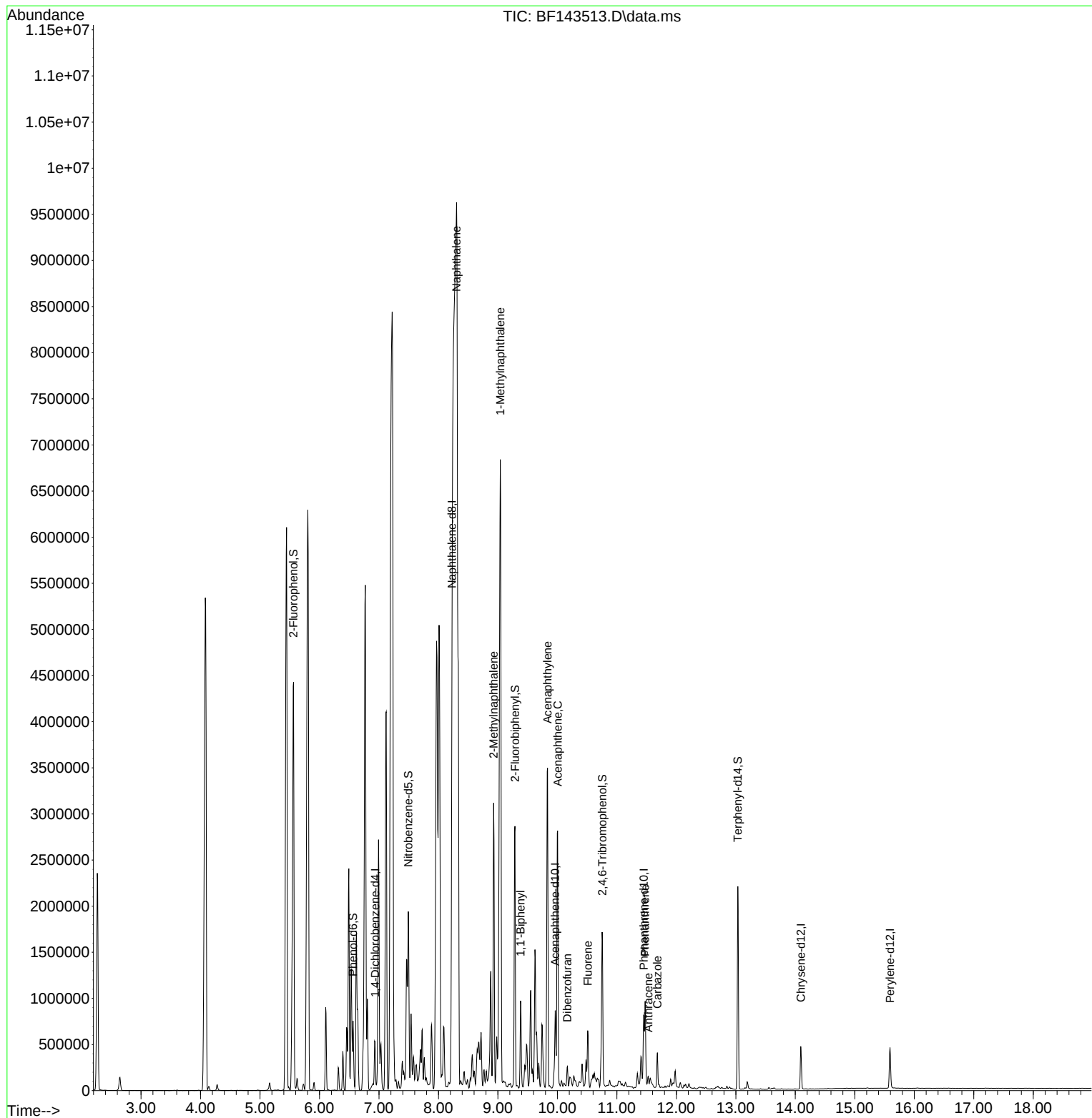
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	125223	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	212422	20.000	ng	0.02
39) Acenaphthene-d10	9.963	164	251603	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	379796	20.000	ng	0.00
76) Chrysene-d12	14.092	240	223331	20.000	ng	-0.01
86) Perylene-d12	15.592	264	273794	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	344694	48.066	ng	0.00
7) Phenol-d6	6.563	99	334252	37.757	ng	-0.01
23) Nitrobenzene-d5	7.492	82	727322	199.804	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	317039	135.368	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1285416	84.433	ng	0.00
79) Terphenyl-d14	13.033	244	1068479	83.488	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.304	128	21360853	2094.533	ng	# 94
37) 2-Methylnaphthalene	8.928	142	1026866	150.758	ng	100
38) 1-Methylnaphthalene	9.039	142	3520155	540.282	ng	99
46) 1,1'-Biphenyl	9.381	154	407321	22.809	ng	100
49) Acenaphthylene	9.834	152	2111265	105.231	ng	98
52) Acenaphthene	10.004	154	894990	65.702	ng	99
55) Dibenzofuran	10.169	168	92324	4.754	ng	# 97
58) Fluorene	10.510	166	254691	17.039	ng	98
71) Phenanthrene	11.475	178	456787	22.459	ng	99
72) Anthracene	11.528	178	64117	3.112	ng	100
73) Carbazole	11.680	167	210655	12.478	ng	99

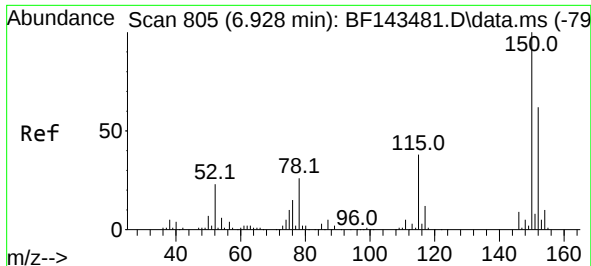
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
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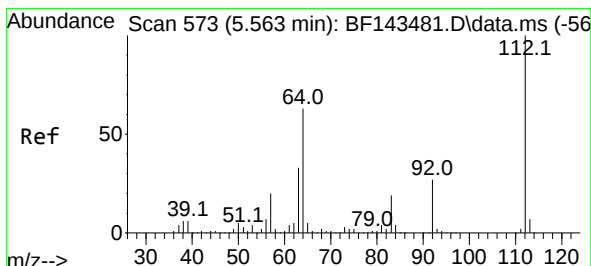
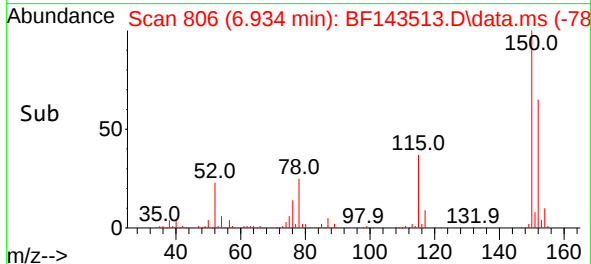
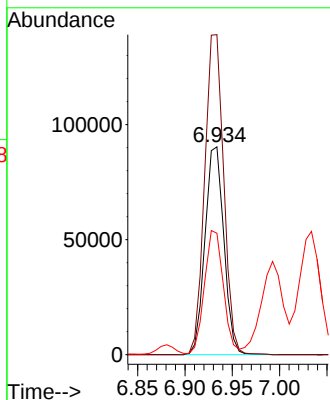
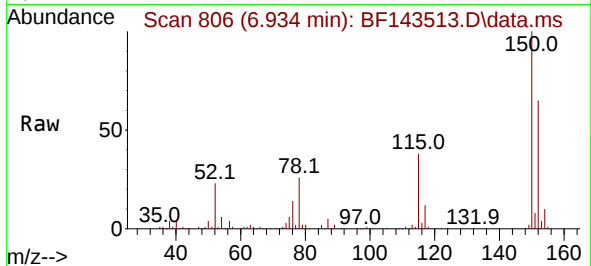




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

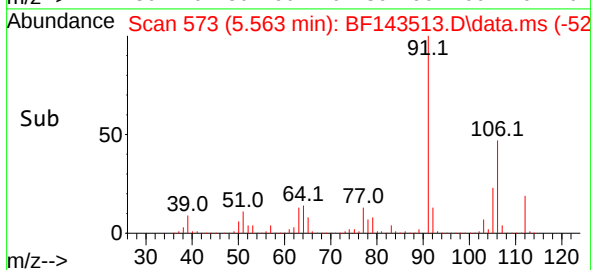
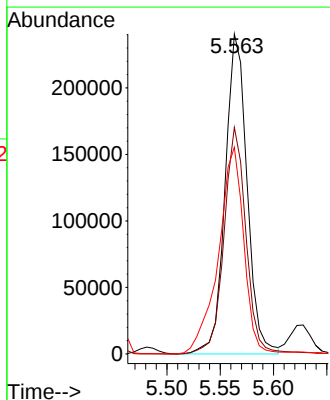
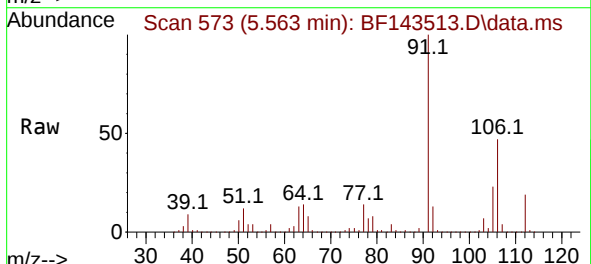
Instrument :
BNA_F
ClientSampleId :
MW-11C-081825

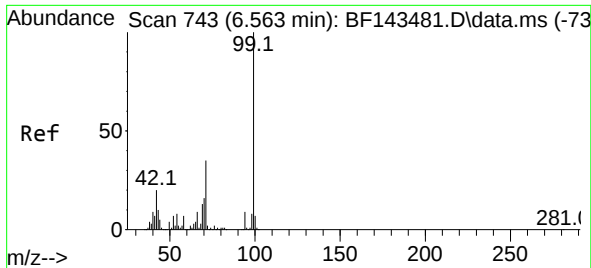
Tgt Ion:152 Resp: 125223
Ion Ratio Lower Upper
152 100
150 153.9 128.9 193.3
115 58.5 49.2 73.8



#5
2-Fluorophenol
Concen: 48.066 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion:112 Resp: 344694
Ion Ratio Lower Upper
112 100
64 70.8 50.4 75.6
63 64.6 26.4 39.6#

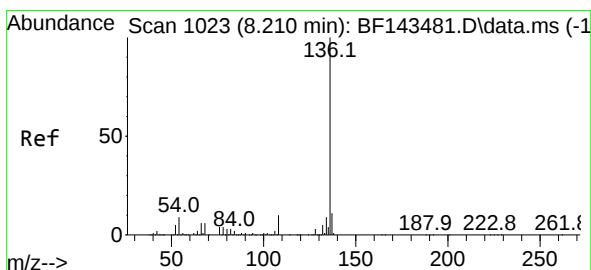
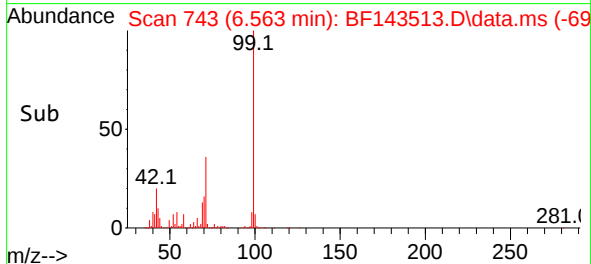
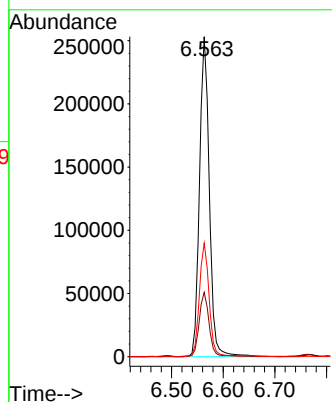
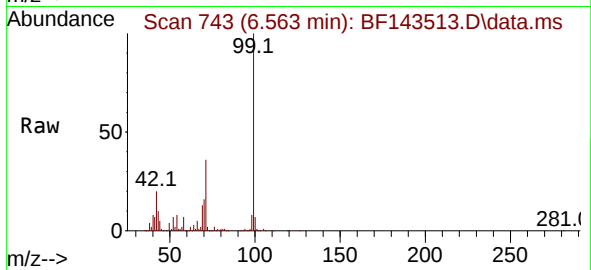




#7
Phenol-d6
Concen: 37.757 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

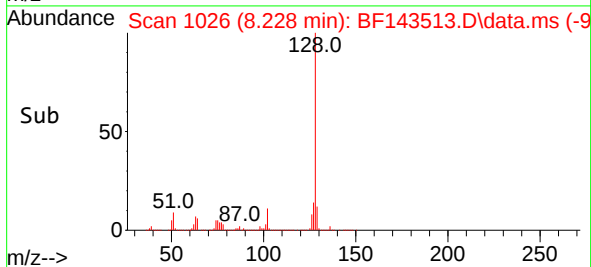
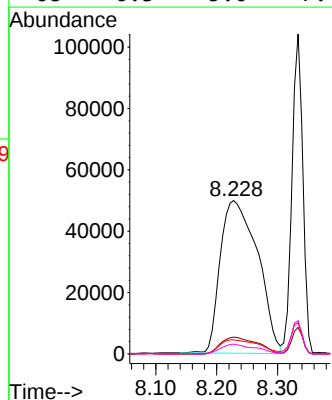
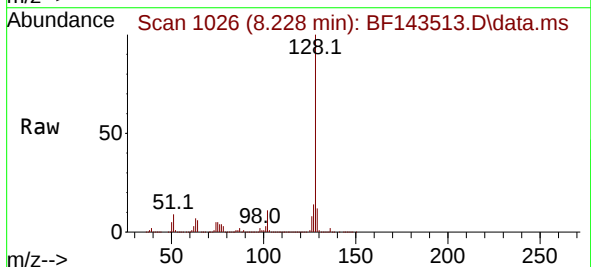
Instrument :
BNA_F
ClientSampleId :
MW-11C-081825

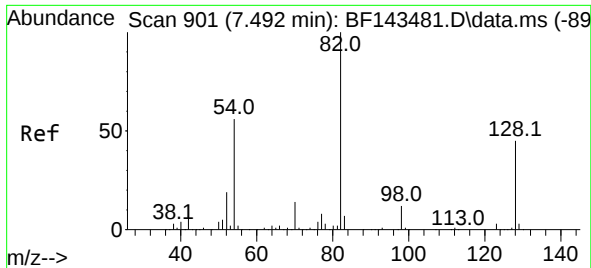
Tgt Ion: 99 Resp: 334252
Ion Ratio Lower Upper
99 100
42 20.1 16.3 24.5
71 35.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1026
Delta R.T. 0.018 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion: 136 Resp: 212422
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.2 7.4 11.2
68 6.3 5.0 7.4

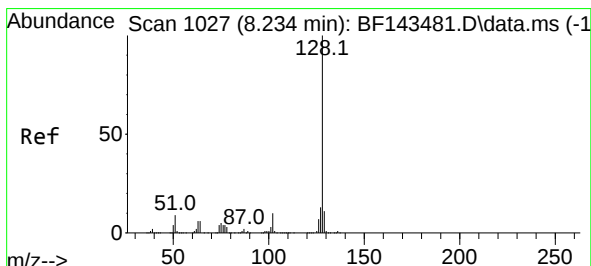
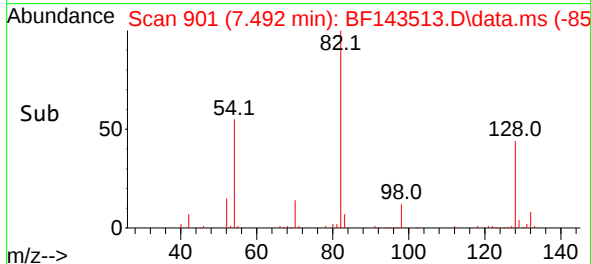
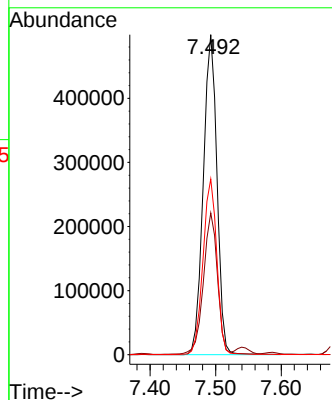
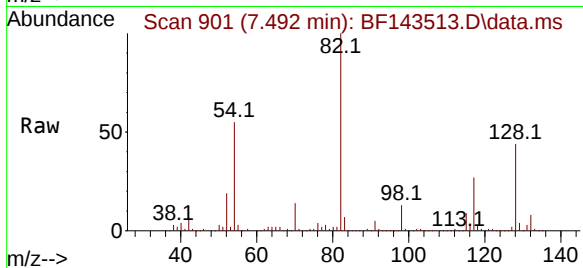




#23
Nitrobenzene-d5
Concen: 199.804 ng
RT: 7.492 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

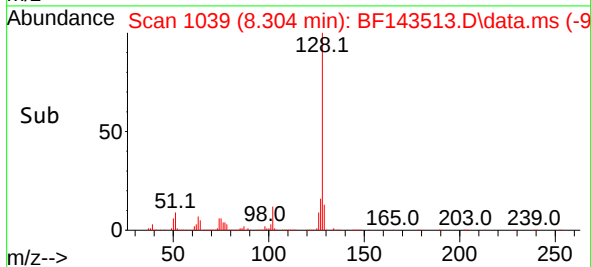
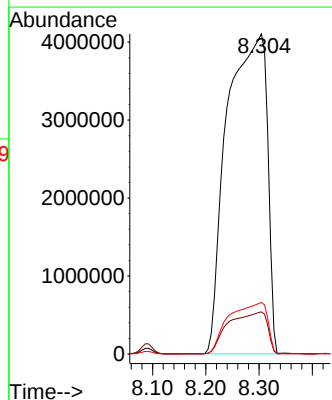
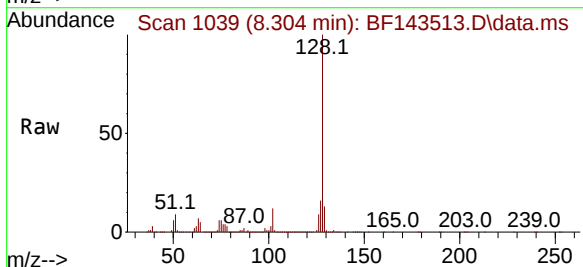
Instrument :
BNA_F
ClientSampleId :
MW-11C-081825

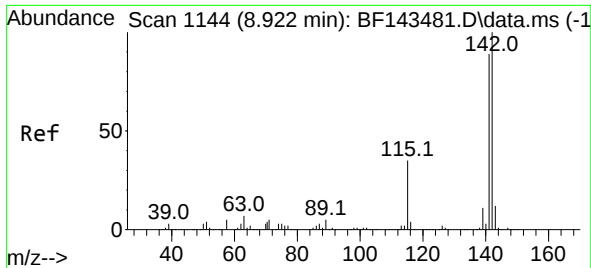
Tgt Ion: 82 Resp: 727322
Ion Ratio Lower Upper
82 100
128 44.3 35.5 53.3
54 54.9 44.3 66.5



#31
Naphthalene
Concen: 2094.533 ng
RT: 8.304 min Scan# 1039
Delta R.T. 0.071 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion: 128 Resp: 21360853
Ion Ratio Lower Upper
128 100
129 13.2 8.8 13.2
127 16.1 10.6 16.0#

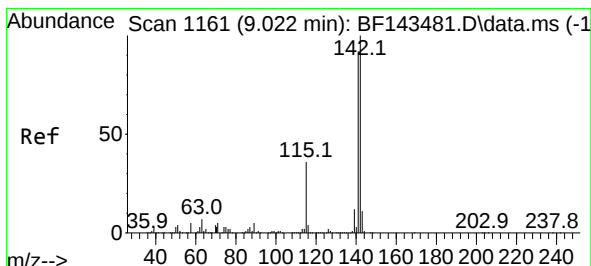
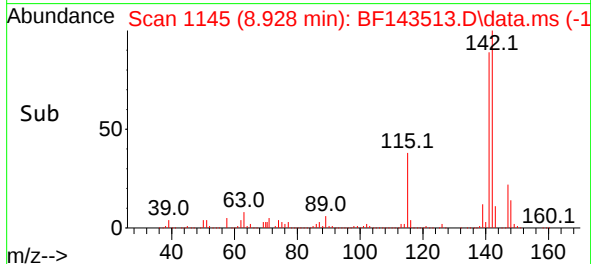
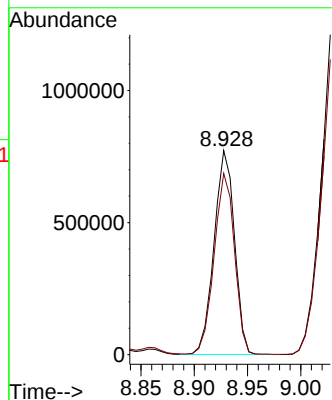
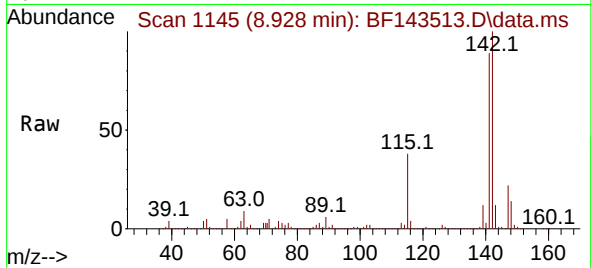




#37
2-Methylnaphthalene
Concen: 150.758 ng
RT: 8.928 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

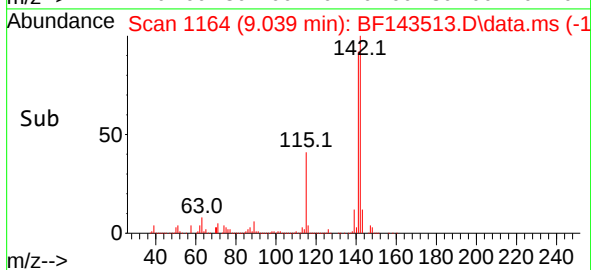
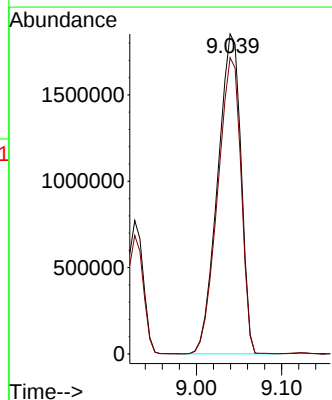
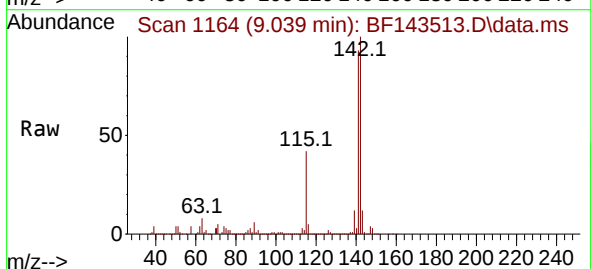
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MW-11C-081825

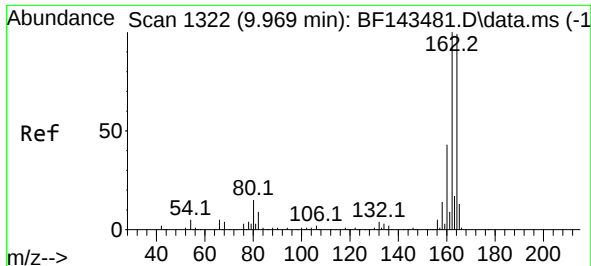
Tgt Ion:142 Resp: 1026866
Ion Ratio Lower Upper
142 100
141 88.8 71.0 106.4



#38
1-Methylnaphthalene
Concen: 540.282 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.012 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion:142 Resp: 3520155
Ion Ratio Lower Upper
142 100
141 92.6 73.3 109.9

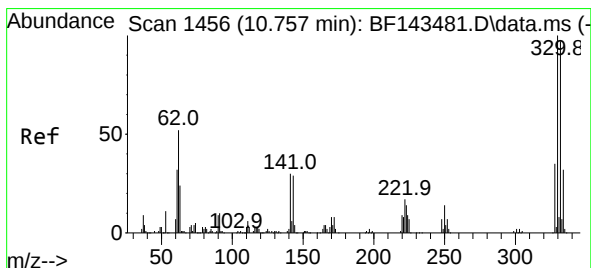
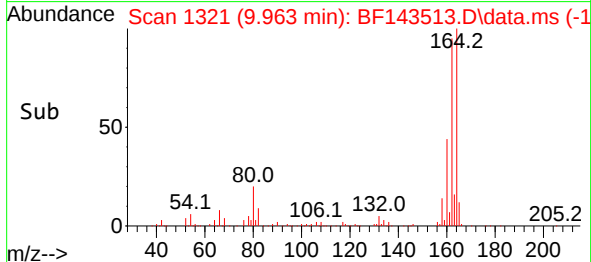
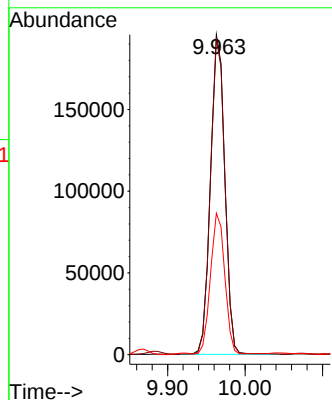
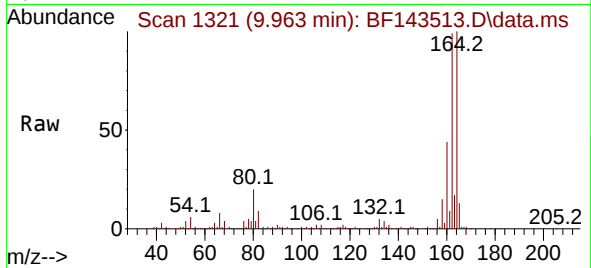




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

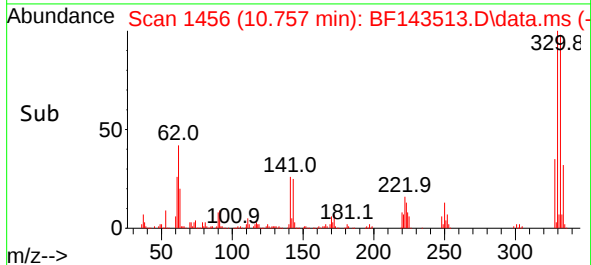
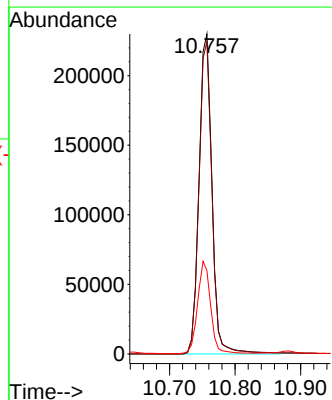
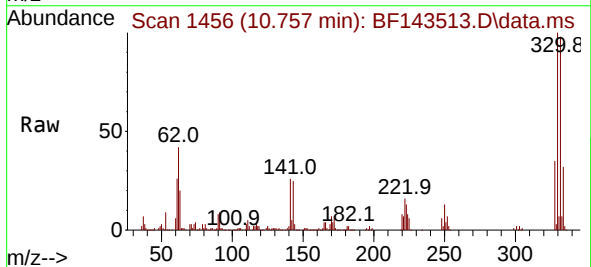
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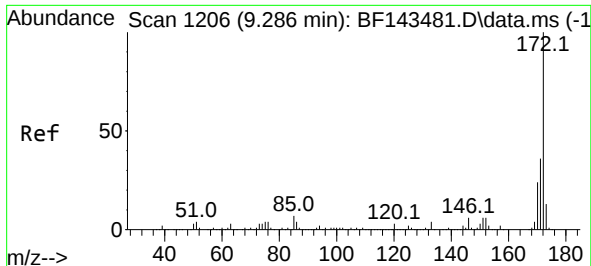
Tgt Ion:164 Resp: 251603
Ion Ratio Lower Upper
164 100
162 98.7 80.5 120.7
160 44.2 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 135.368 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion:330 Resp: 317039
Ion Ratio Lower Upper
330 100
332 98.7 78.0 117.0
141 29.0 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 84.433 ng

RT: 9.286 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143513.D

Acq: 21 Aug 2025 05:18

Instrument :

BNA_F

ClientSampleId :

MW-11C-081825

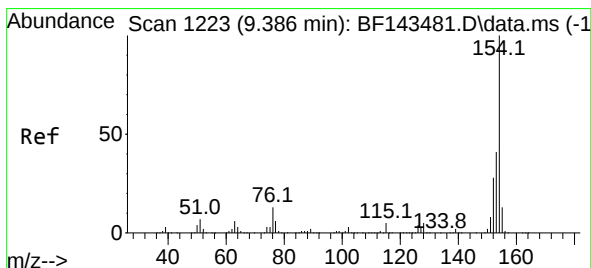
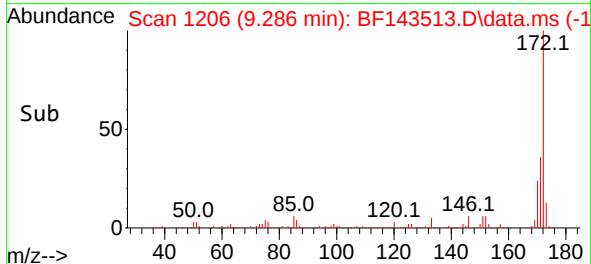
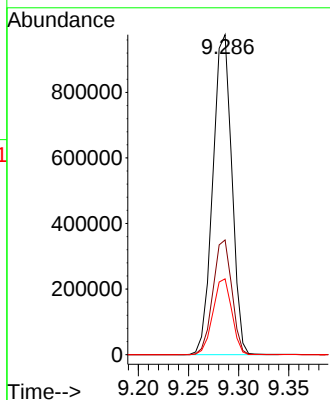
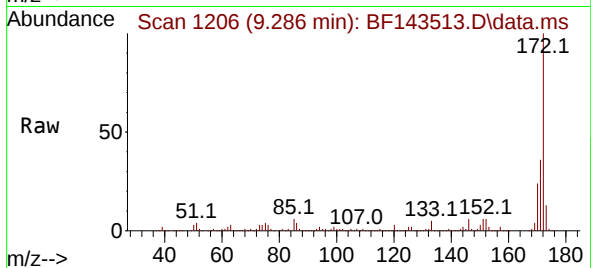
Tgt Ion:172 Resp: 1285416

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.7 18.8 28.2



#46

1,1'-Biphenyl

Concen: 22.809 ng

RT: 9.381 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF143513.D

Acq: 21 Aug 2025 05:18

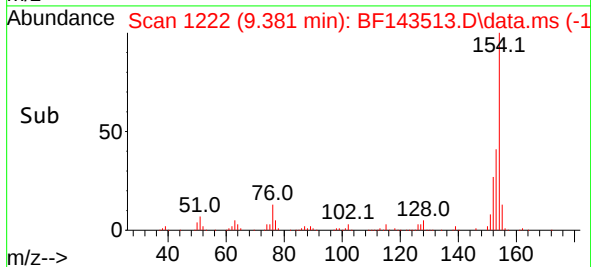
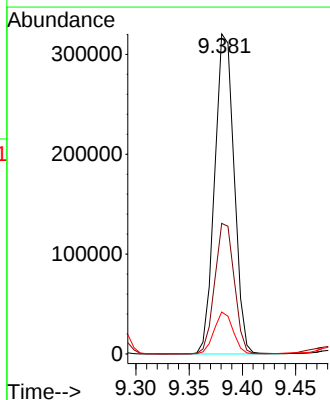
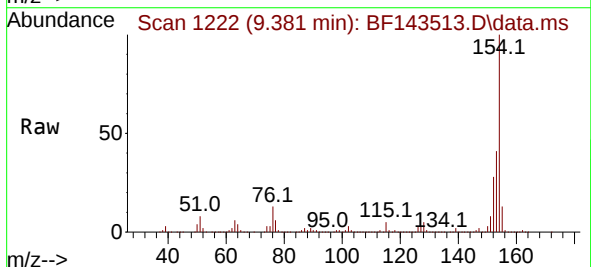
Tgt Ion:154 Resp: 407321

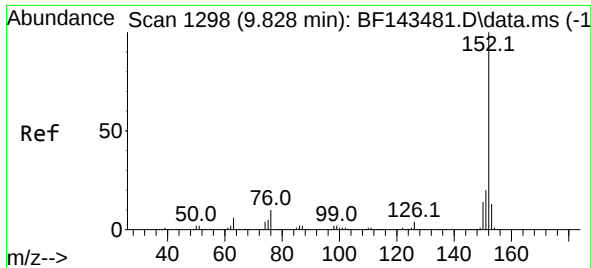
Ion Ratio Lower Upper

154 100

153 40.8 20.6 60.6

76 13.1 0.0 33.0

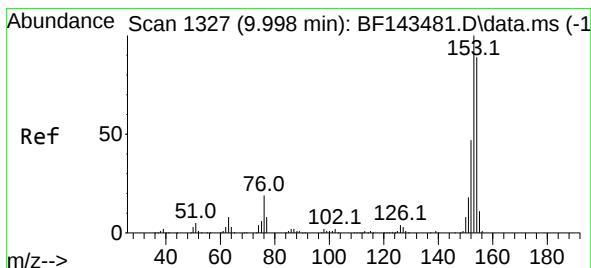
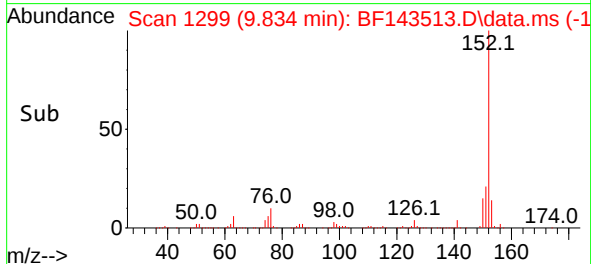
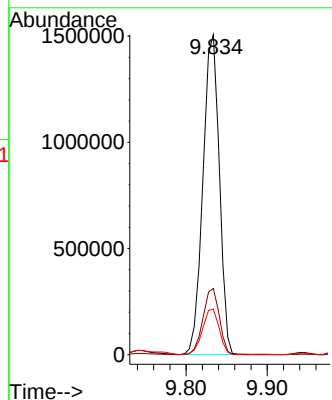
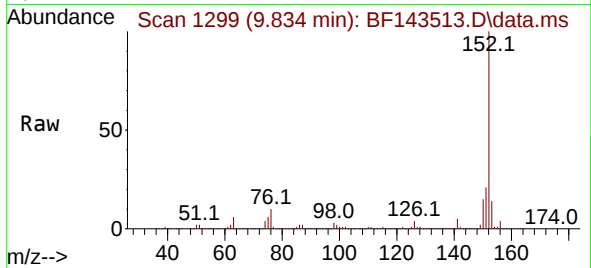




#49
Acenaphthylene
Concen: 105.231 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

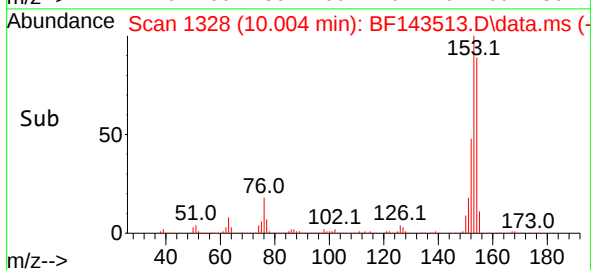
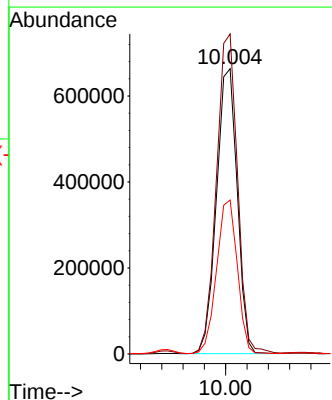
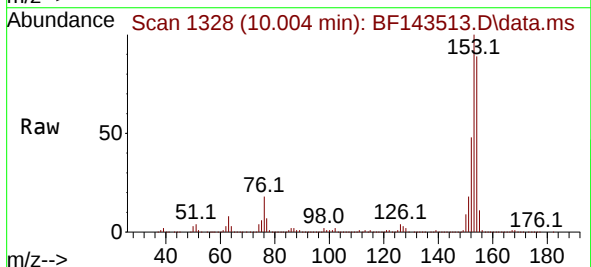
Instrument :
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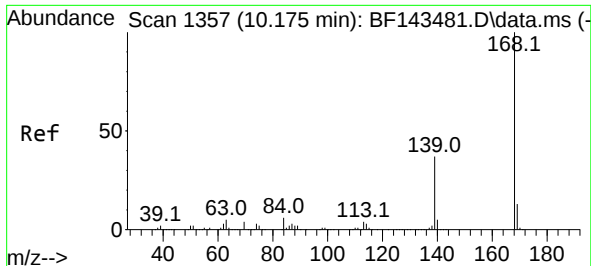
Tgt Ion:152 Resp: 2111265
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4
153 14.2 10.6 15.8



#52
Acenaphthene
Concen: 65.702 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion:154 Resp: 894990
Ion Ratio Lower Upper
154 100
153 112.2 89.5 134.3
152 53.9 42.5 63.7

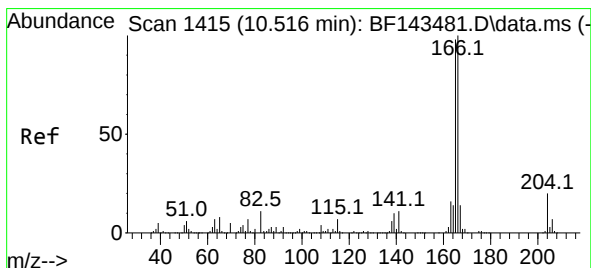
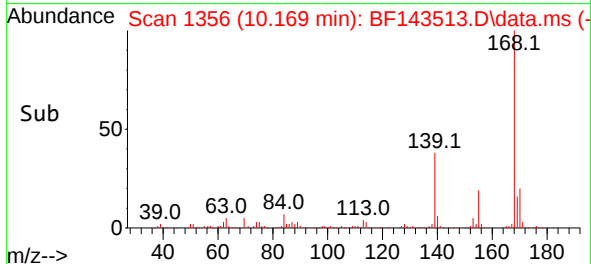
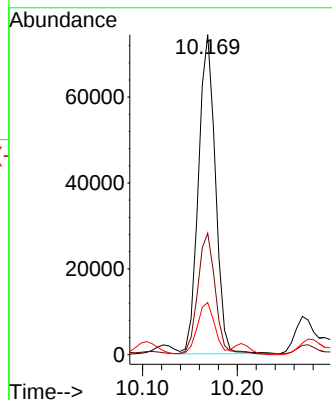
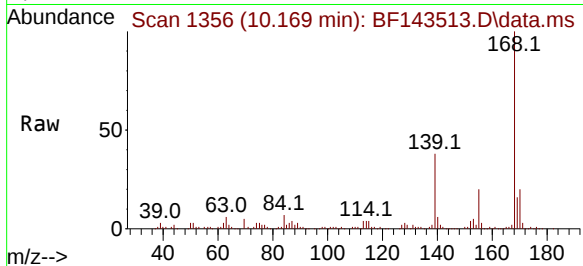




#55
Dibenzenofuran
Concen: 4.754 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

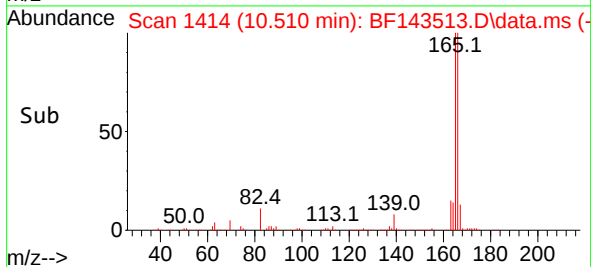
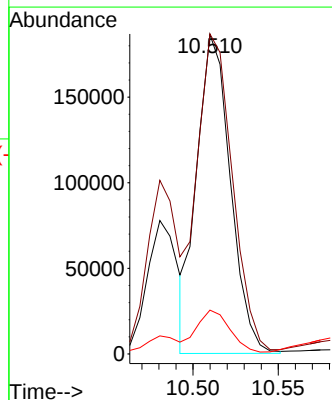
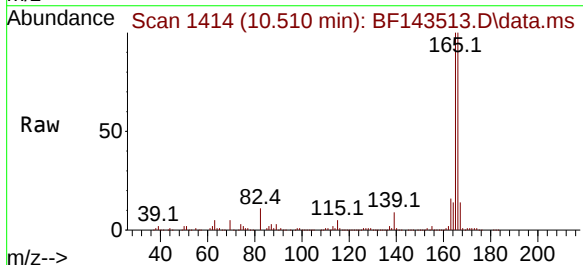
Instrument :
BNA_F
ClientSampleId :
MW-11C-081825

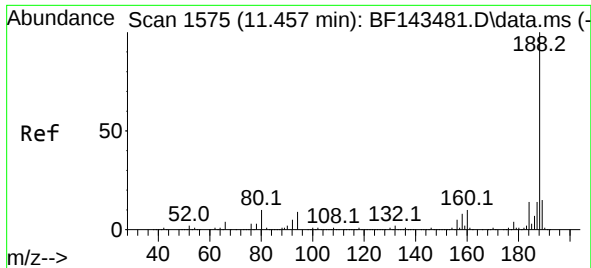
Tgt Ion:168 Resp: 92324
Ion Ratio Lower Upper
168 100
139 38.0 29.8 44.6
169 16.3 10.8 16.2#



#58
Fluorene
Concen: 17.039 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion:166 Resp: 254691
Ion Ratio Lower Upper
166 100
165 100.1 78.3 117.5
167 13.7 11.0 16.4

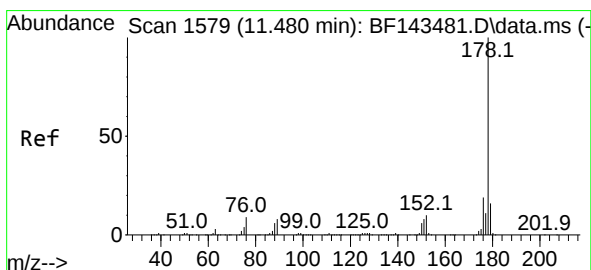
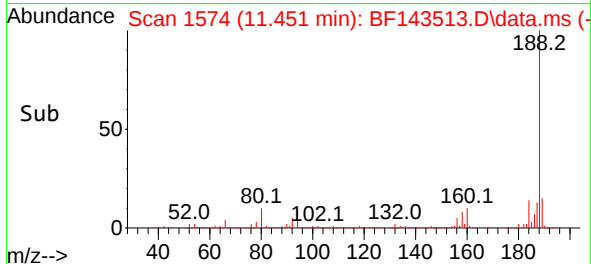
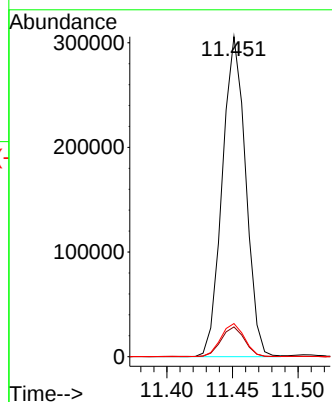
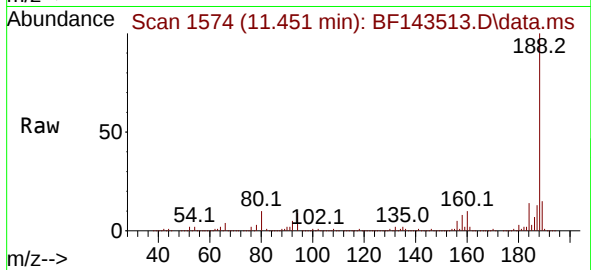




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

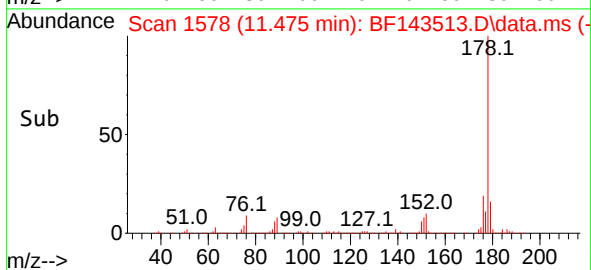
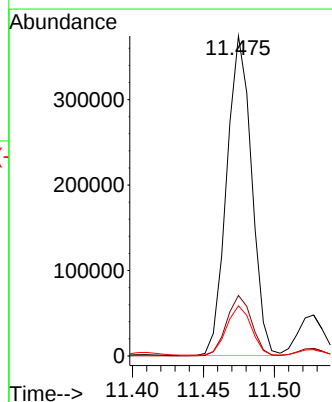
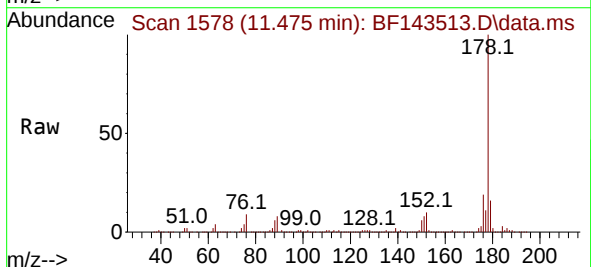
Instrument :
BNA_F
ClientSampleId :
MW-11C-081825

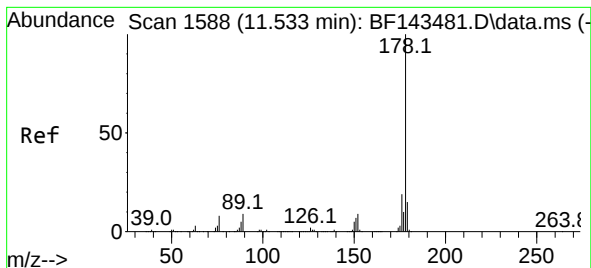
Tgt Ion:188 Resp: 379796
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.4 8.2 12.4



#71
Phenanthrene
Concen: 22.459 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143513.D
Acq: 21 Aug 2025 05:18

Tgt Ion:178 Resp: 456787
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.7 12.5 18.7





#72

Anthracene

Concen: 3.112 ng

RT: 11.528 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143513.D

Acq: 21 Aug 2025 05:18

Instrument :

BNA_F

ClientSampleId :

MW-11C-081825

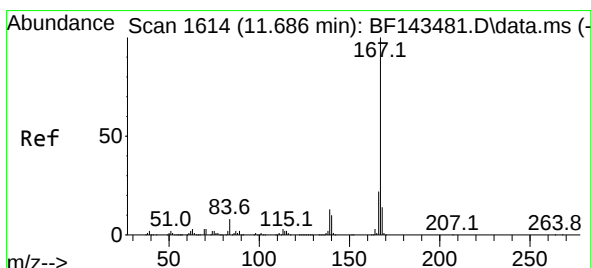
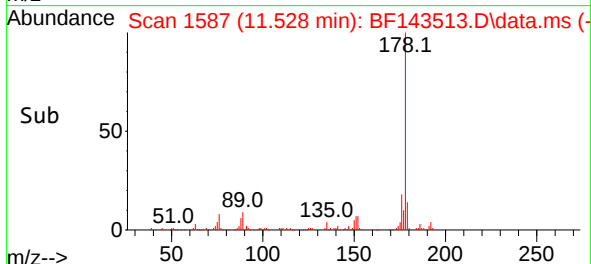
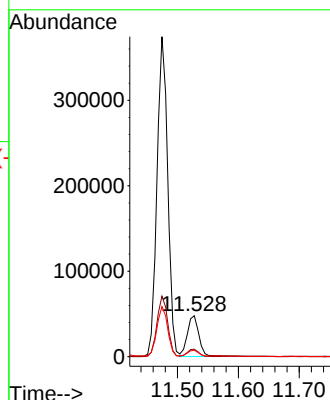
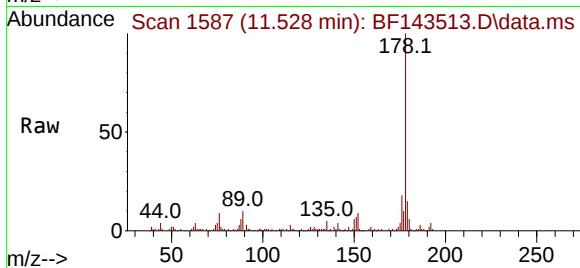
Tgt Ion:178 Resp: 64117

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

179 15.5 12.3 18.5



#73

Carbazole

Concen: 12.478 ng

RT: 11.680 min Scan# 1613

Delta R.T. -0.006 min

Lab File: BF143513.D

Acq: 21 Aug 2025 05:18

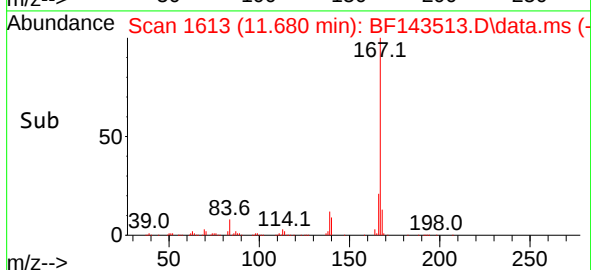
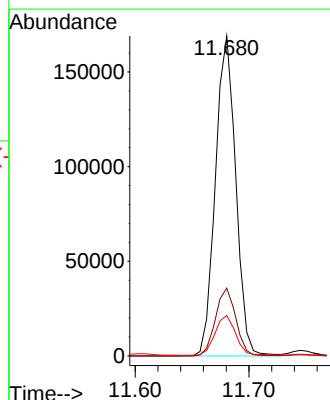
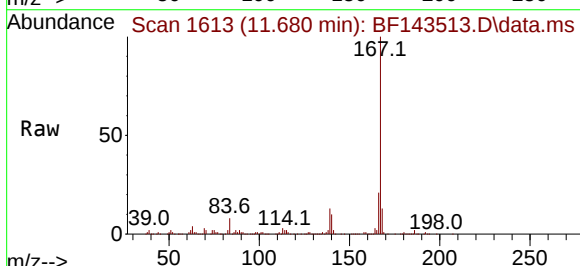
Tgt Ion:167 Resp: 210655

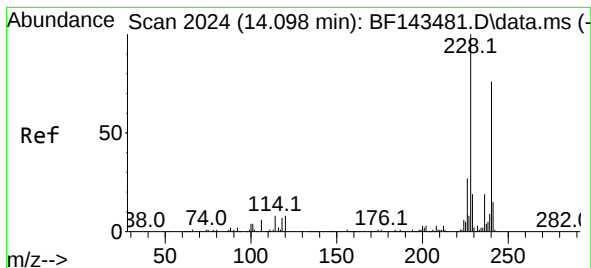
Ion Ratio Lower Upper

167 100

166 21.2 17.3 25.9

139 12.7 10.0 15.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143513.D

Acq: 21 Aug 2025 05:18

Instrument :

BNA_F

ClientSampleId :

MW-11C-081825

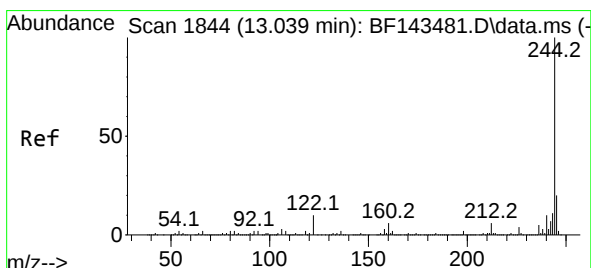
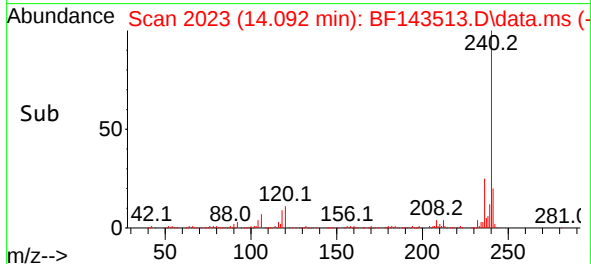
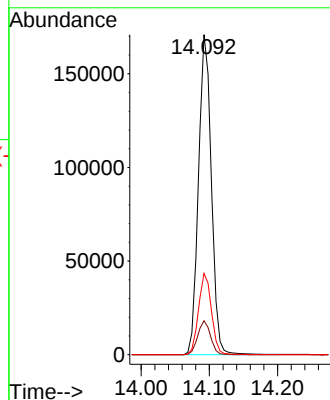
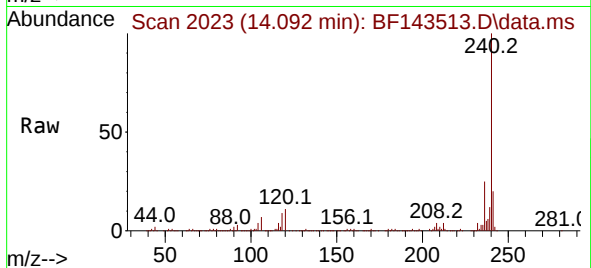
Tgt Ion:240 Resp: 223331

Ion Ratio Lower Upper

240 100

120 10.6 8.6 12.8

236 25.4 20.4 30.6



#79

Terphenyl-d14

Concen: 83.488 ng

RT: 13.033 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF143513.D

Acq: 21 Aug 2025 05:18

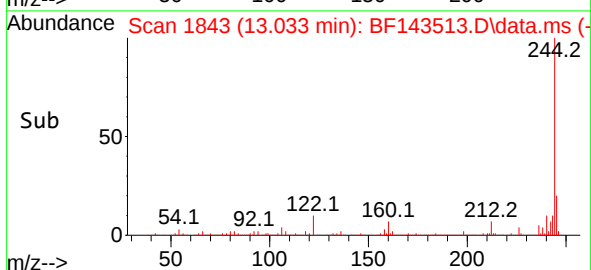
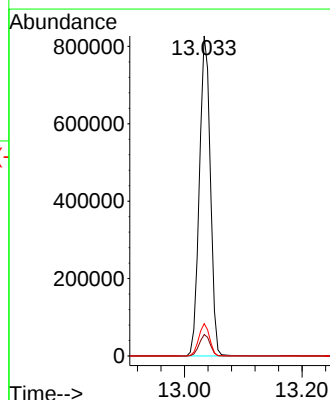
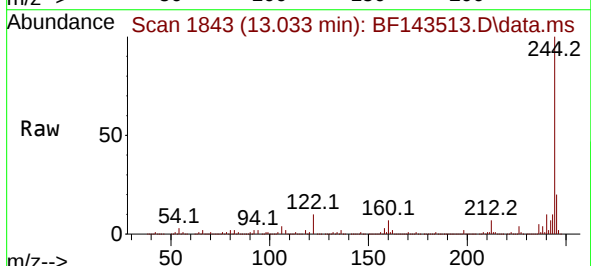
Tgt Ion:244 Resp: 1068479

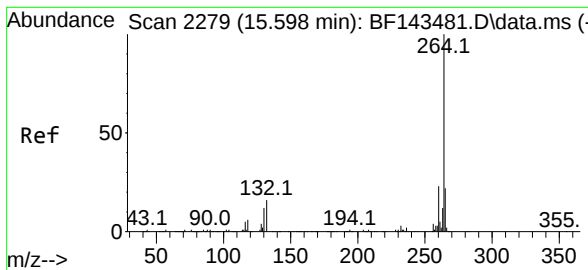
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

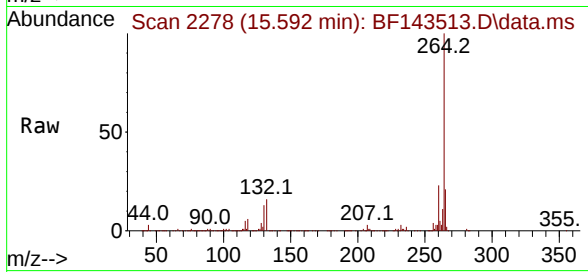
122 10.1 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143513.D
 Acq: 21 Aug 2025 05:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-11C-081825



Tgt Ion:264 Resp: 273794
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.1 17.6 26.4

