

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143326.D
 Acq On : 06 Aug 2025 13:20
 Operator : RC/JU
 Sample : Q2763-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Aug 06 13:39:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

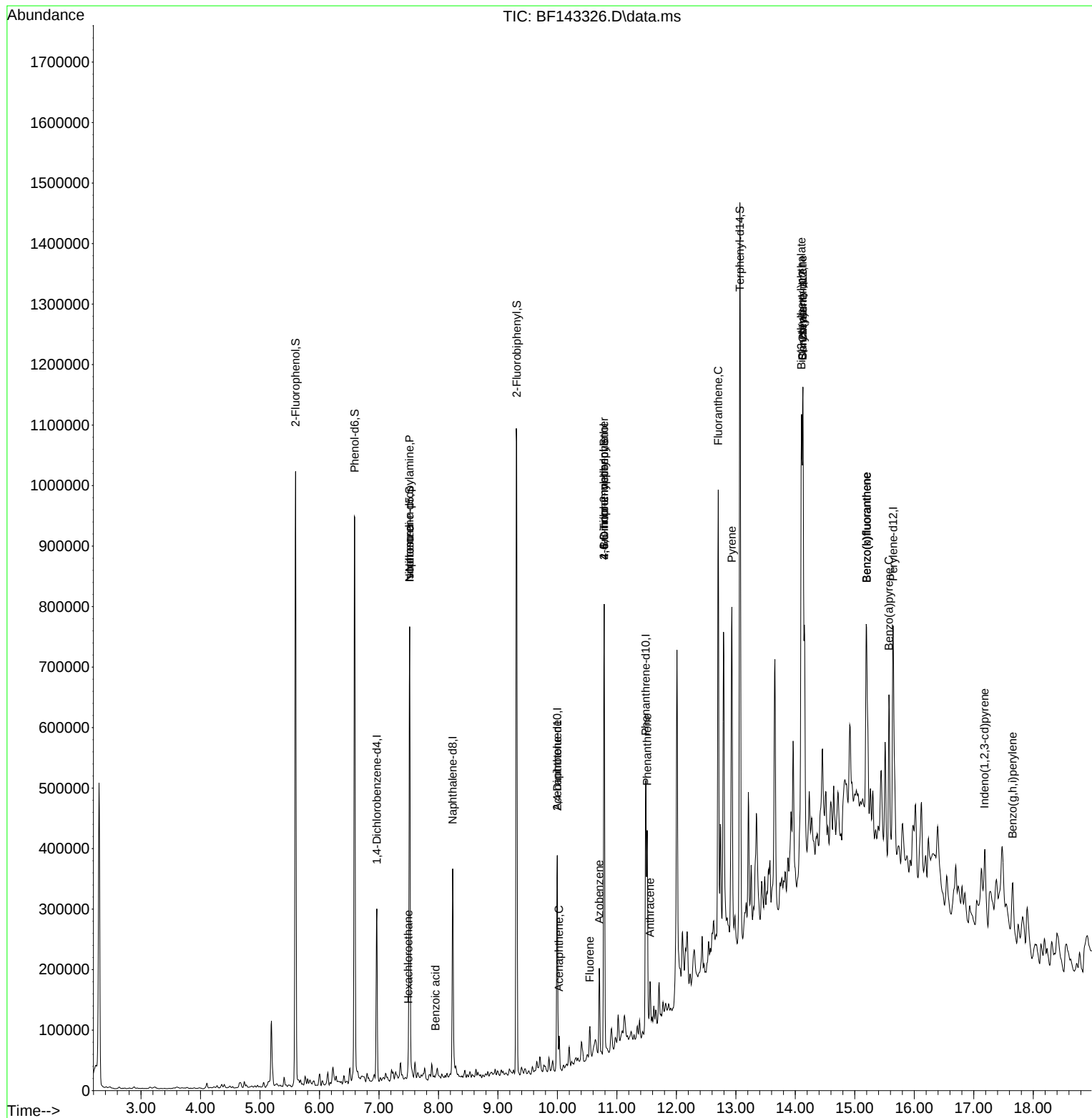
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	57668	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	200253	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	103152	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	209618	20.000	ng	0.00
76) Chrysene-d12	14.127	240	223126	20.000	ng	0.00
86) Perylene-d12	15.645	264	194160	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	366635	100.608	ng	0.01
7) Phenol-d6	6.592	99	448901	97.866	ng	0.00
23) Nitrobenzene-d5	7.516	82	312992	77.910	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	125218	117.507	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	481278	63.809	ng	0.00
79) Terphenyl-d14	13.069	244	571898	38.142	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.492	117	3008	2.079	ng	# 50
19) n-Nitroso-di-n-propyla...	7.516	70	42929	14.588	ng	# 81
25) Isophorone	7.516	82	307922	43.419	ng	# 66
32) Benzoic acid	7.951	122	1491	5.891	ng	91
52) Acenaphthene	10.028	154	15878	2.692	ng	94
57) 2,4-Dinitrotoluene	9.998	165	14072	8.200	ng	# 22
58) Fluorene	10.545	166	18448	2.807	ng	# 97
63) Azobenzene	10.704	77	33470	4.832	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	319	5.670	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	7761	3.107	ng	# 1
71) Phenanthrene	11.510	178	168343	15.125	ng	99
72) Anthracene	11.557	178	47243	4.162	ng	98
75) Fluoranthene	12.704	202	403896	39.536	ng	100
78) Pyrene	12.933	202	323682	16.998	ng	99
81) Benzo(a)anthracene	14.121	228	246172	16.479	ng	97
83) Chrysene	14.121	228	246172	18.329	ng	97
84) Bis(2-ethylhexyl)phtha...	14.104	149	254575	28.844	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	78356	5.723	ng	95
88) Benzo(b)fluoranthene	15.198	252	336107	28.336	ng	# 97
89) Benzo(k)fluoranthene	15.198	252	336107	31.755	ng	# 98
90) Benzo(a)pyrene	15.574	252	159822	14.624	ng	95
92) Benzo(g,h,i)perylene	17.651	276	84136	7.805	ng	98

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

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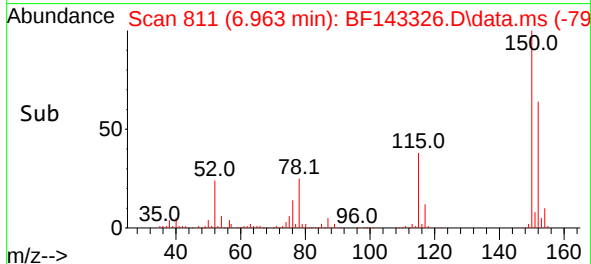
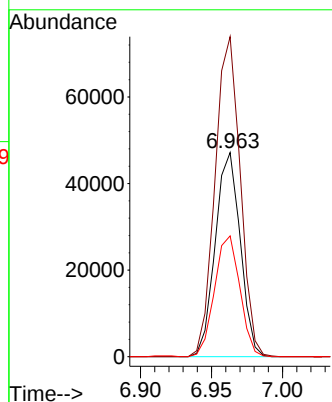
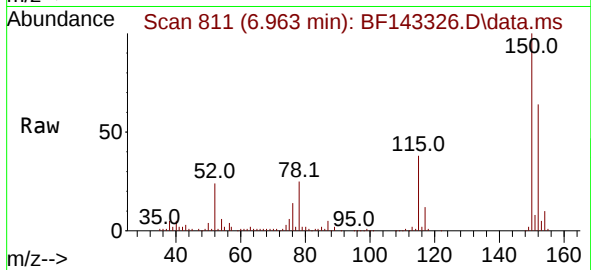




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

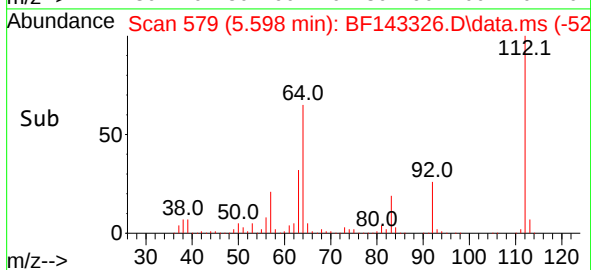
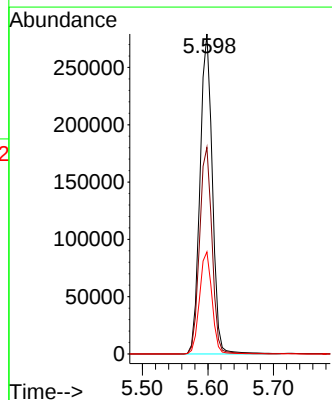
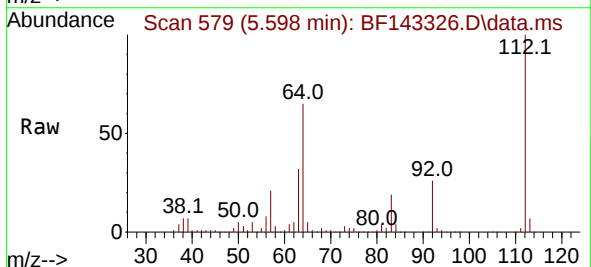
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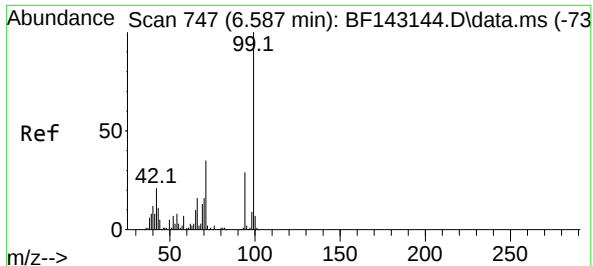
Tgt Ion:152 Resp: 57668
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 59.1 47.9 71.9



#5
2-Fluorophenol
Concen: 100.608 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion:112 Resp: 366635
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 31.9 26.6 40.0

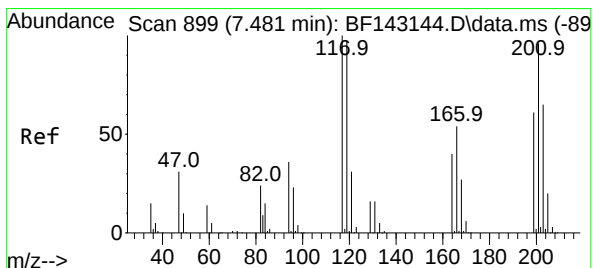
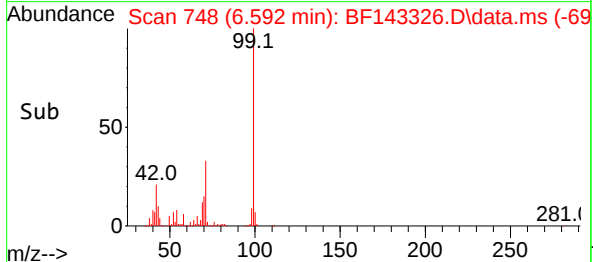
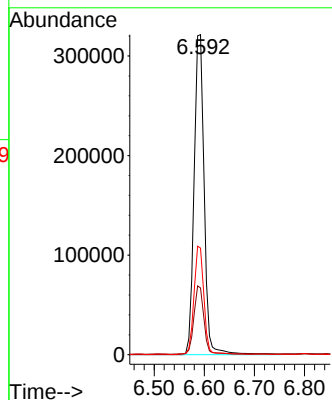
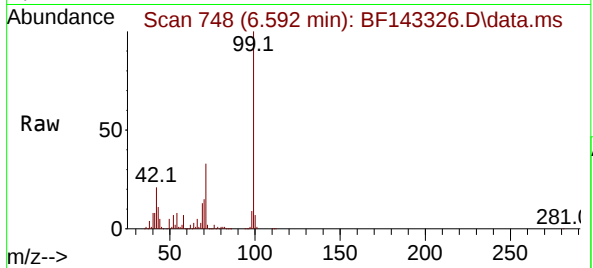




#7
Phenol-d6
Concen: 97.866 ng
RT: 6.592 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

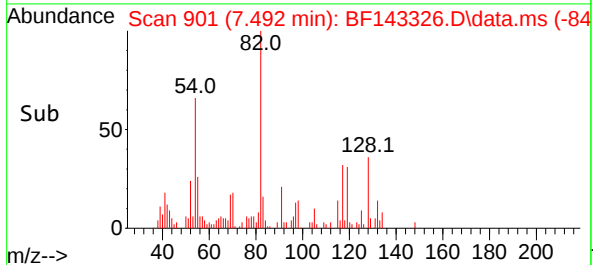
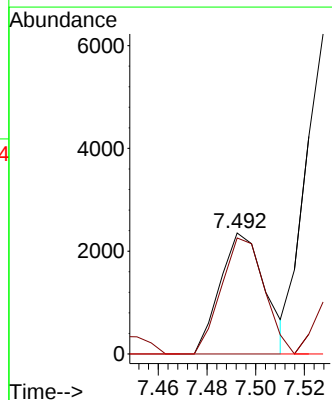
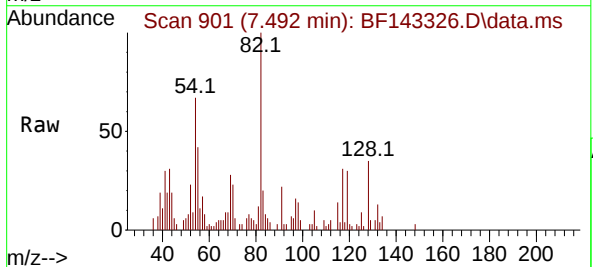
Instrument :
BNA_F
ClientSampleId :
TP-2

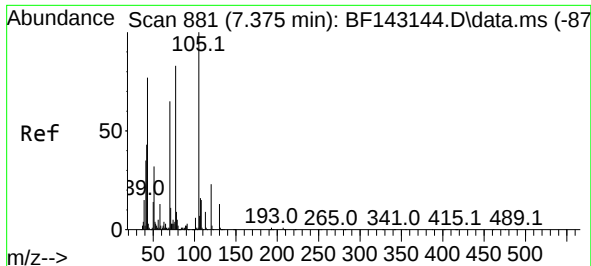
Tgt Ion: 99 Resp: 448901
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 33.3 27.7 41.5



#18
Hexachloroethane
Concen: 2.079 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.012 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion: 117 Resp: 3008
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.8
201 0.0 77.0 115.4#

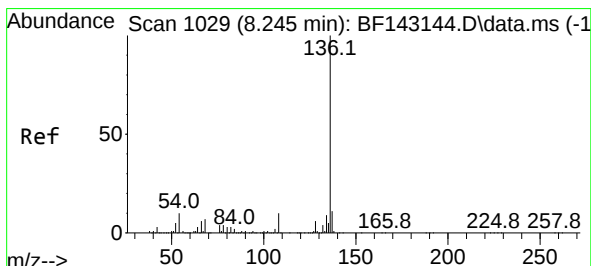
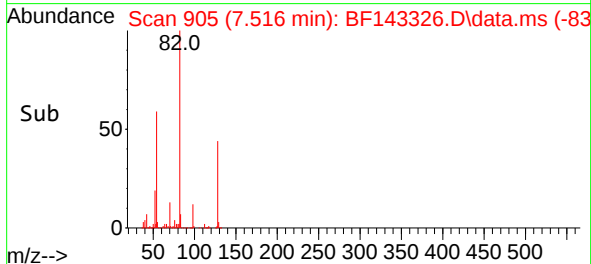
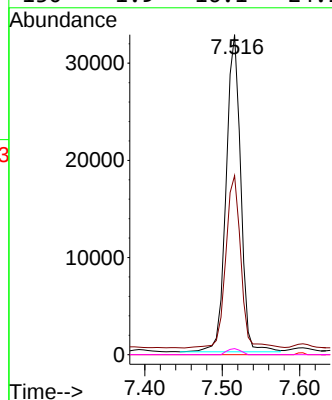
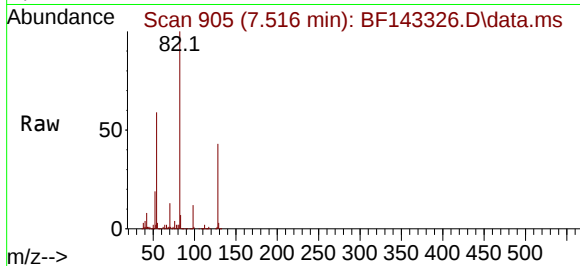




#19
n-Nitroso-di-n-propylamine
Concen: 14.588 ng
RT: 7.516 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

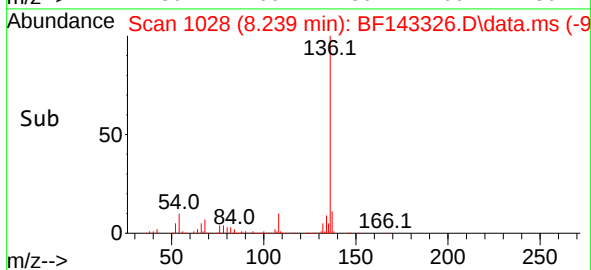
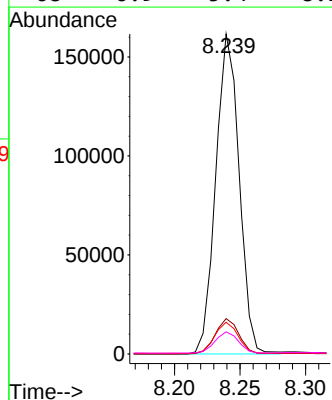
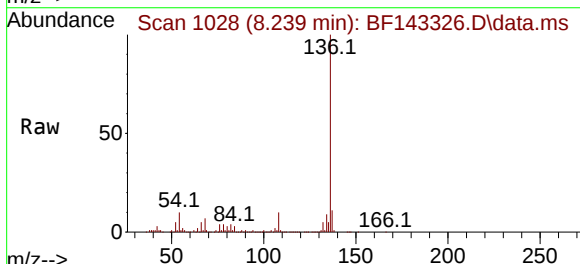
Instrument :
BNA_F
ClientSampleId :
TP-2

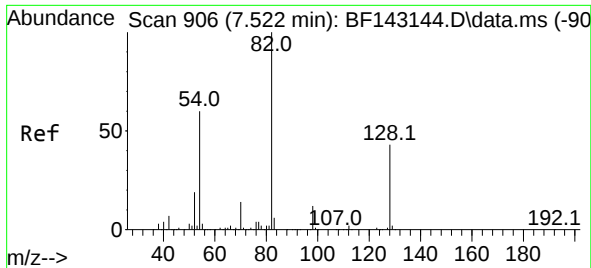
Tgt Ion: 70	Resp: 42929
Ion Ratio	Lower Upper
70 100	
42 56.0	52.5 78.7
101 0.0	7.6 11.4#
130 1.9	16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion: 136	Resp: 200253
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 9.9	8.2 12.2
68 6.9	5.4 8.2

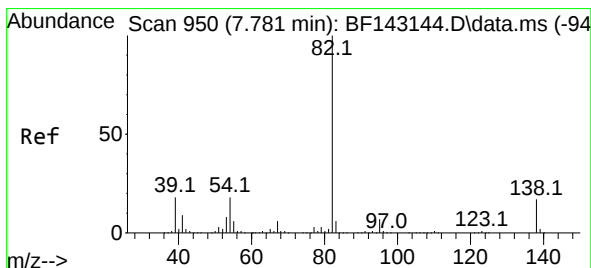
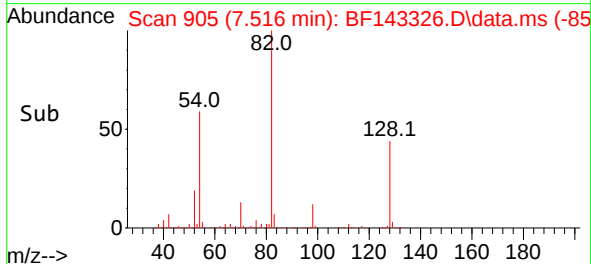
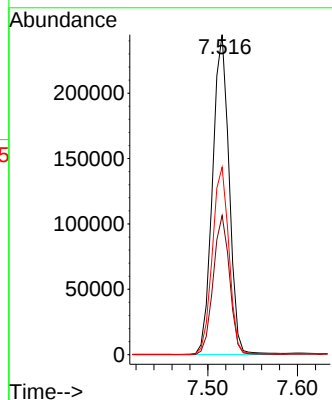
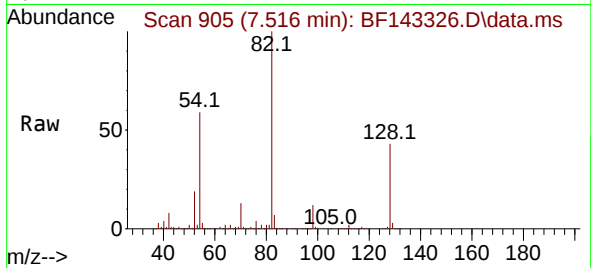




#23
Nitrobenzene-d5
Concen: 77.910 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

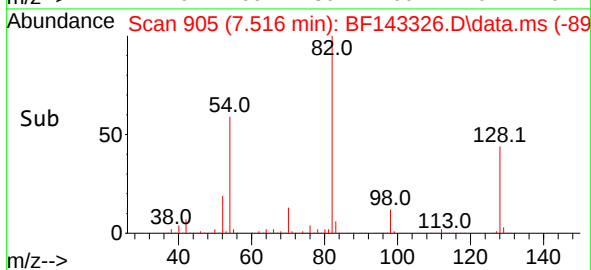
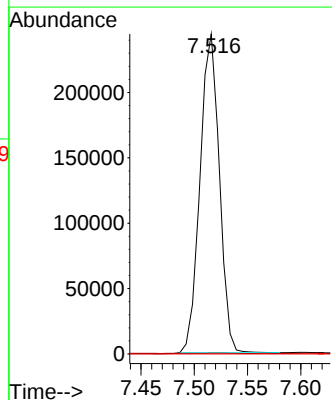
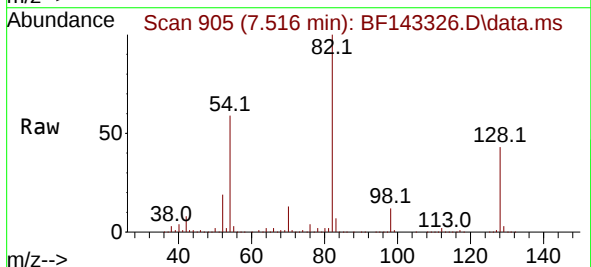
Instrument :
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ClientSampleId :
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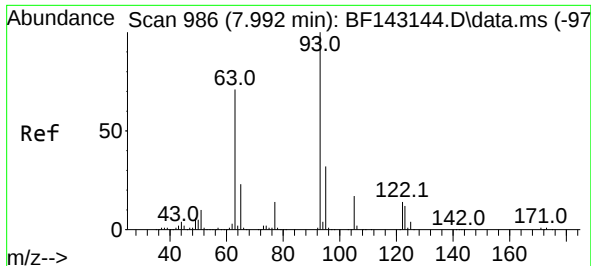
Tgt Ion: 82 Resp: 312992
Ion Ratio Lower Upper
82 100
128 43.5 33.6 50.4
54 58.6 47.1 70.7



#25
Isophorone
Concen: 43.419 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion: 82 Resp: 307922
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.8 20.8#

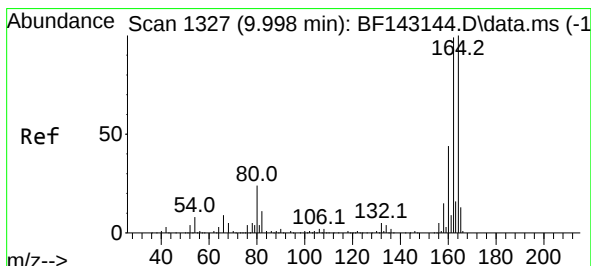
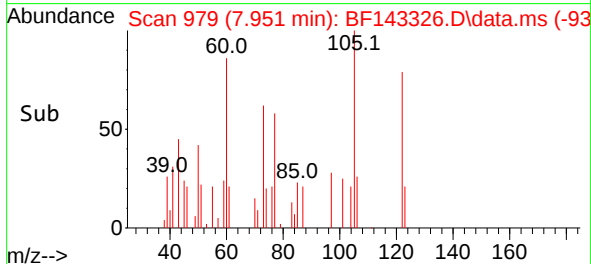
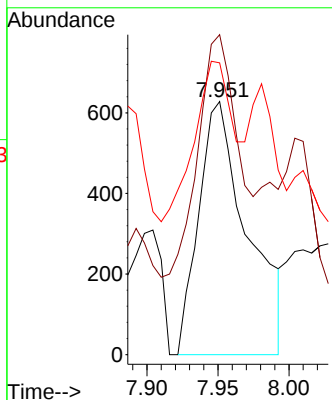
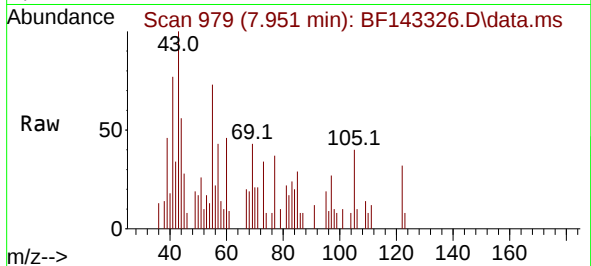




#32
Benzoic acid
Concen: 5.891 ng
RT: 7.951 min Scan# 91
Delta R.T. -0.041 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

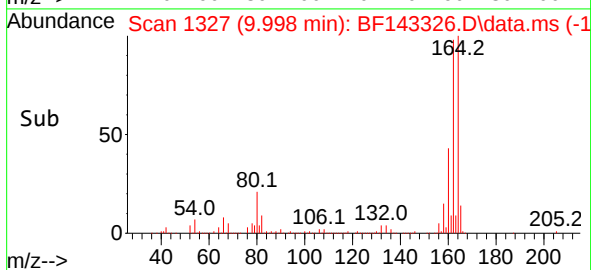
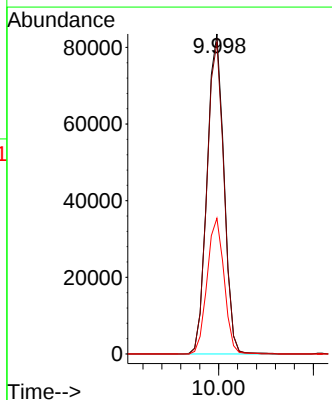
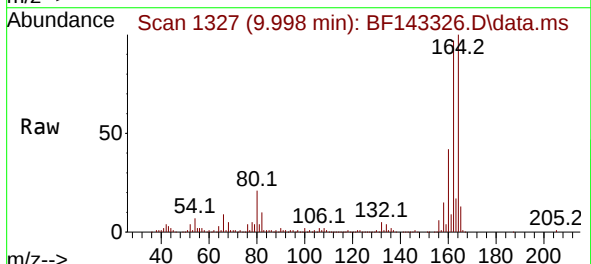
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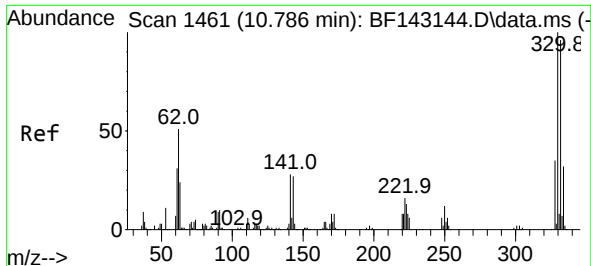
Tgt Ion:122 Resp: 1491
Ion Ratio Lower Upper
122 100
105 126.4 104.8 144.8
77 115.3 77.6 117.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion:164 Resp: 103152
Ion Ratio Lower Upper
164 100
162 97.5 79.0 118.6
160 42.4 35.1 52.7

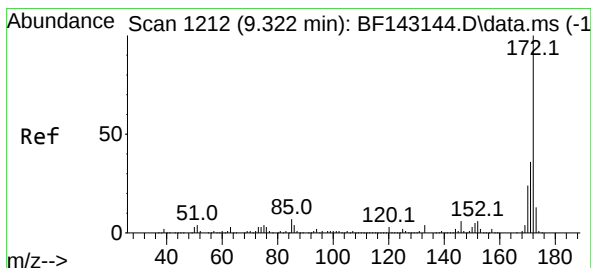
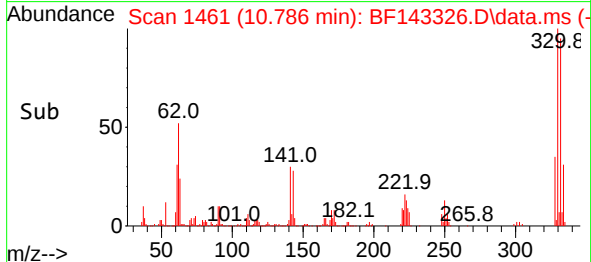
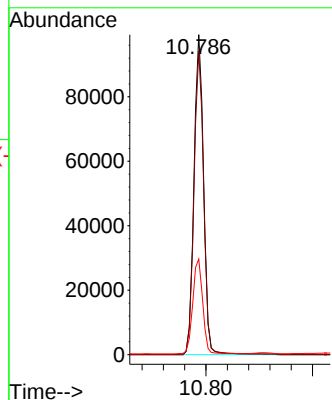
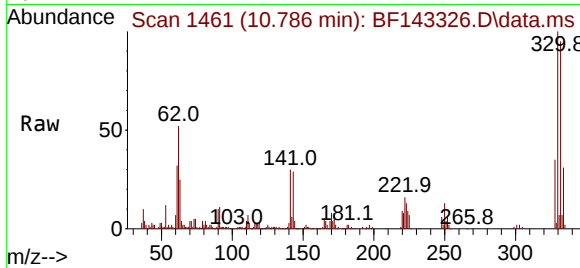




#42
2,4,6-Tribromophenol
Concen: 117.507 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

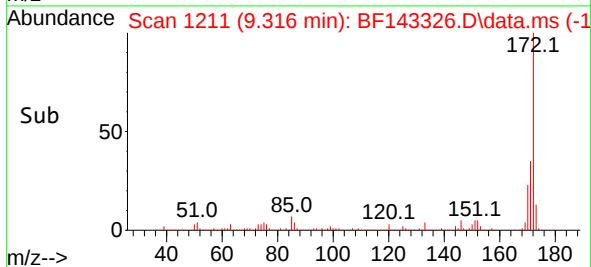
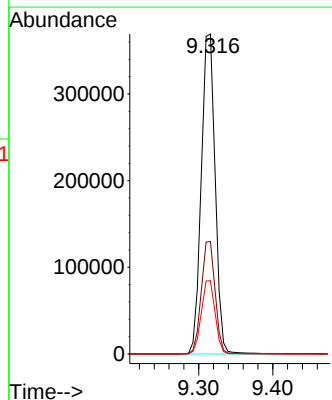
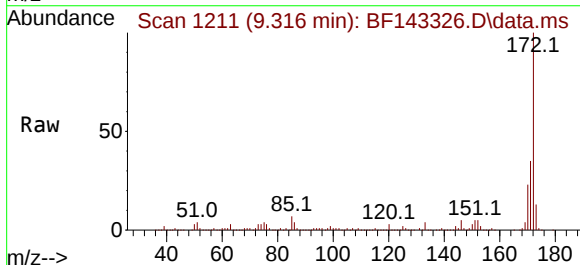
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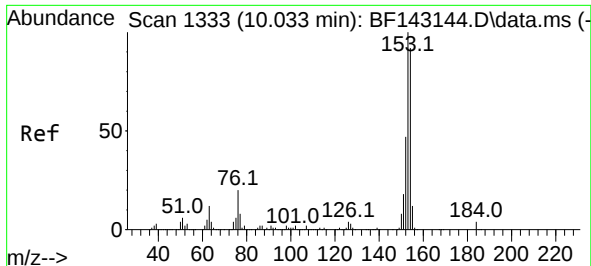
Tgt Ion: 330 Resp: 125218
Ion Ratio Lower Upper
330 100
332 95.1 76.7 115.1
141 30.5 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 63.809 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion: 172 Resp: 481278
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.9 18.8 28.2

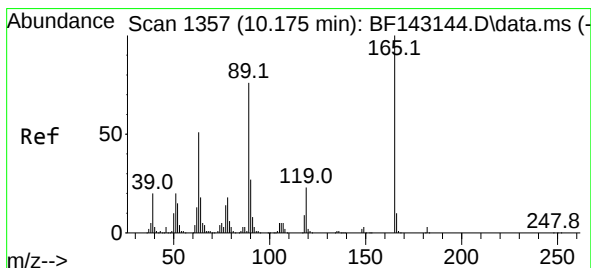
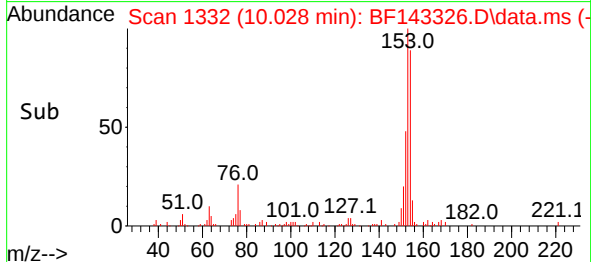
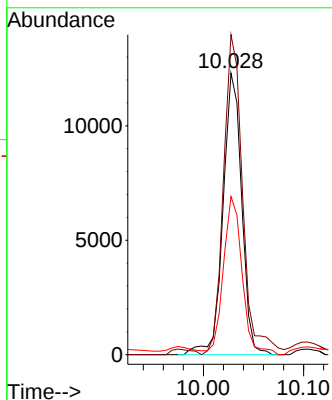
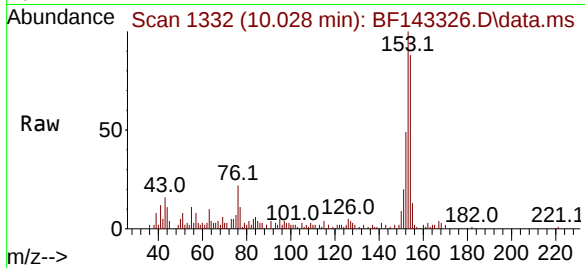




#52
Acenaphthene
Concen: 2.692 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

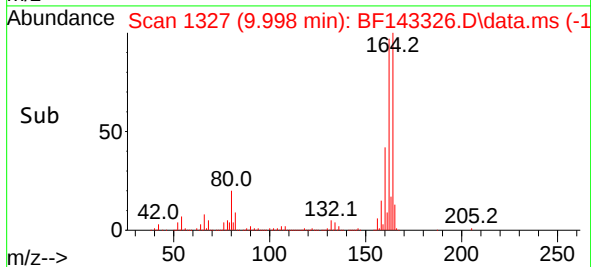
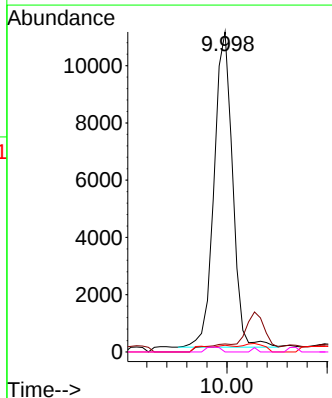
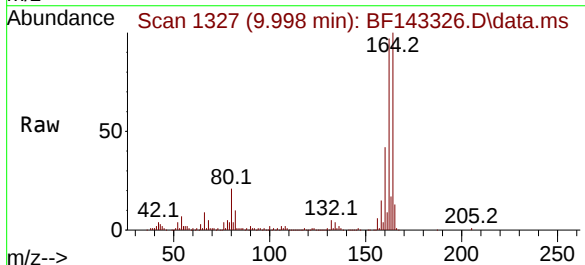
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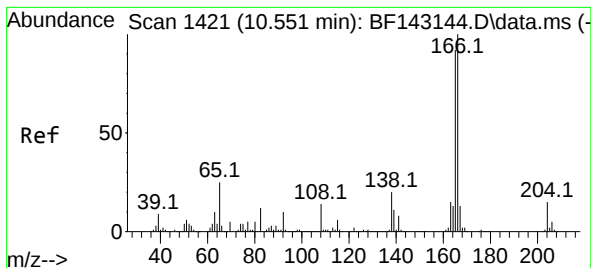
Tgt Ion:154 Resp: 15878
Ion Ratio Lower Upper
154 100
153 113.7 86.6 129.8
152 56.1 40.4 60.6



#57
2,4-Dinitrotoluene
Concen: 8.200 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion:165 Resp: 14072
Ion Ratio Lower Upper
165 100
63 2.5 41.0 61.4#
89 2.1 61.1 91.7#
182 0.0 2.3 3.5#





#58

Fluorene

Concen: 2.807 ng

RT: 10.545 min Scan# 1421

Delta R.T. -0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

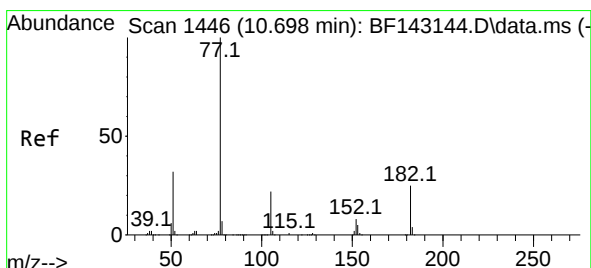
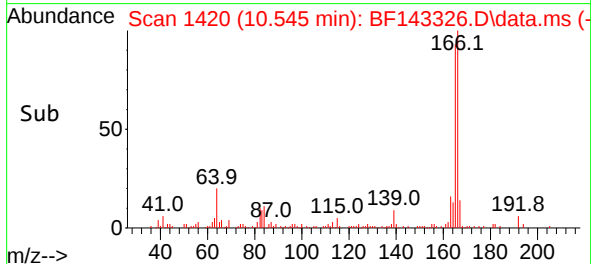
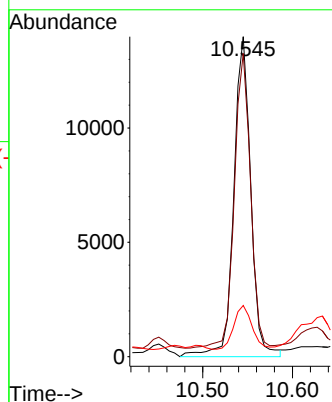
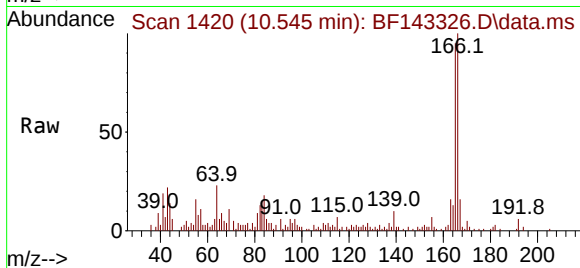
Tgt Ion:166 Resp: 18448

Ion Ratio Lower Upper

166 100

165 94.7 73.7 110.5

167 16.0 10.6 16.0#



#63

Azobenzene

Concen: 4.832 ng

RT: 10.704 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion: 77 Resp: 33470

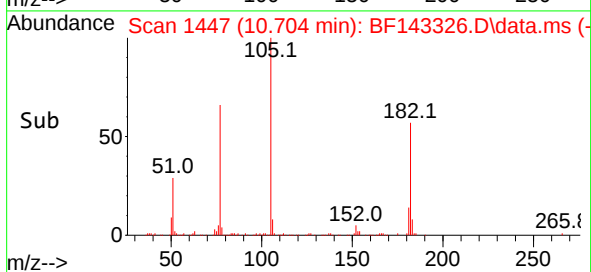
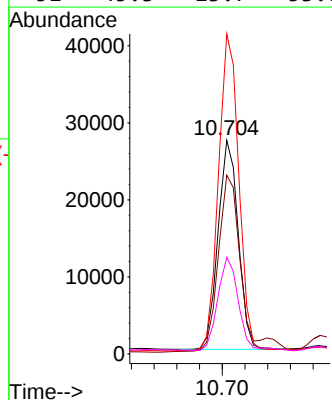
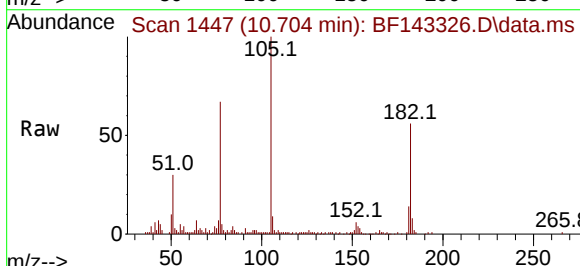
Ion Ratio Lower Upper

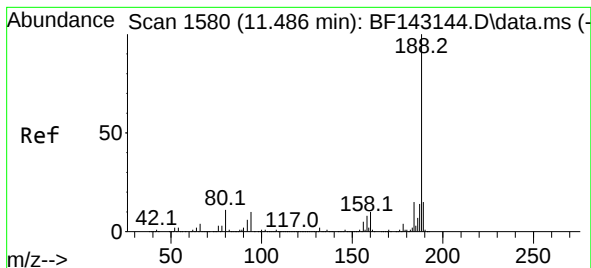
77 100

182 83.7 4.6 44.6#

105 149.8 1.4 41.4#

51 45.3 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

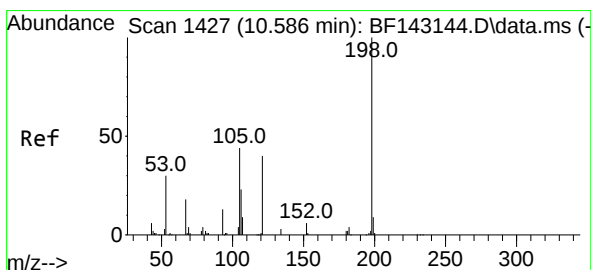
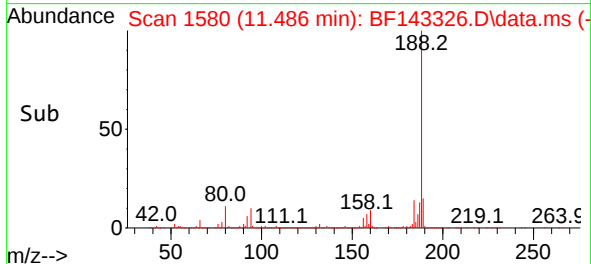
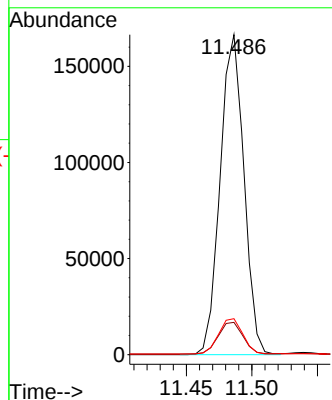
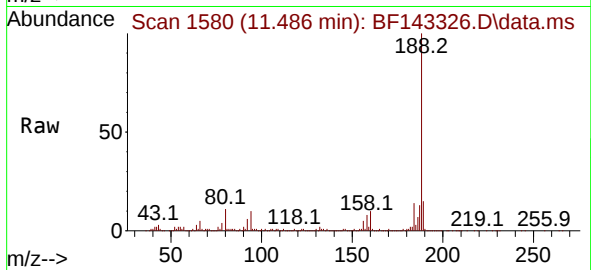
Tgt Ion:188 Resp: 209618

Ion Ratio Lower Upper

188 100

94 10.1 8.3 12.5

80 11.2 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.670 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

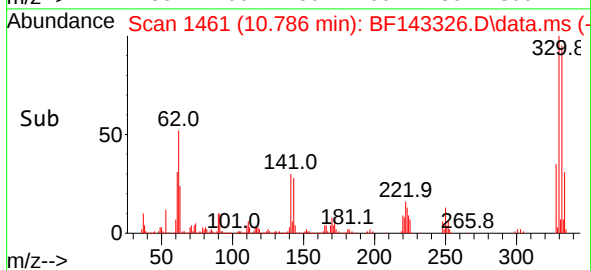
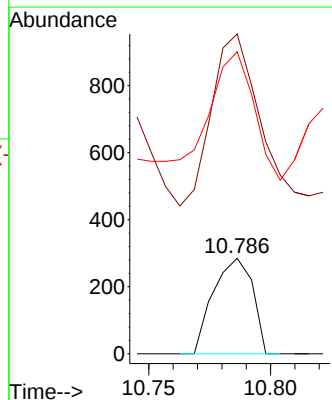
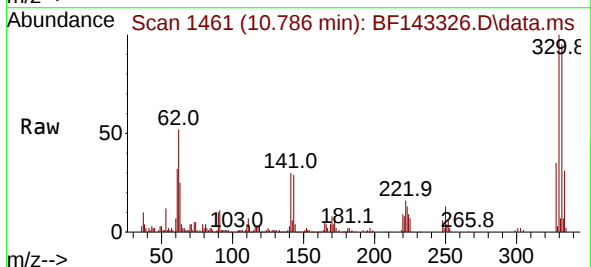
Tgt Ion:198 Resp: 319

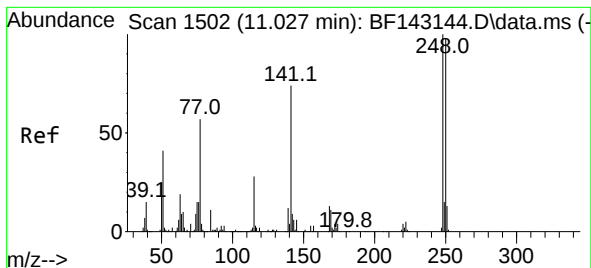
Ion Ratio Lower Upper

198 100

51 334.7 37.2 77.2#

105 316.1 24.8 64.8#

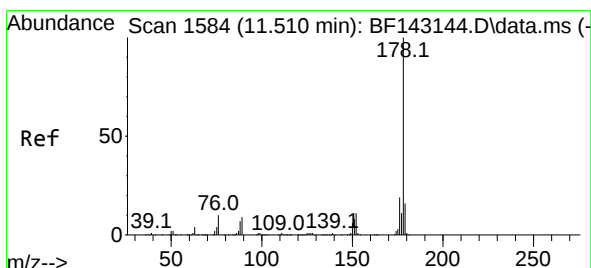
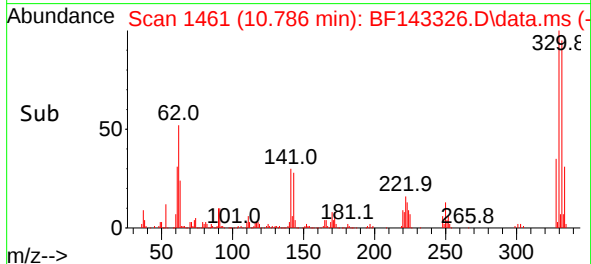
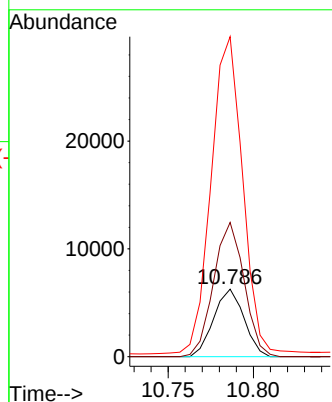
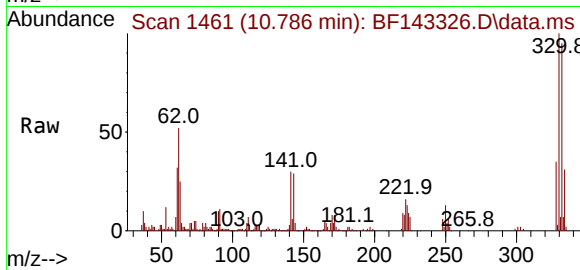




#67
4-Bromophenyl-phenylether
Concen: 3.107 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

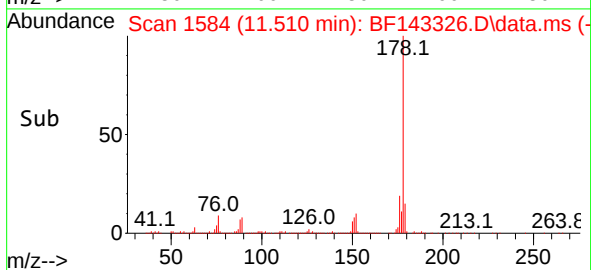
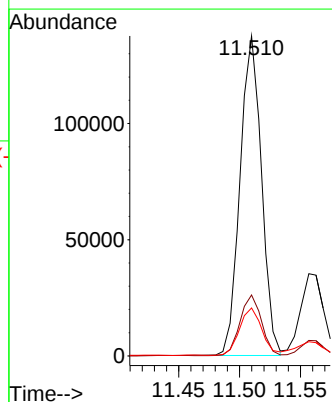
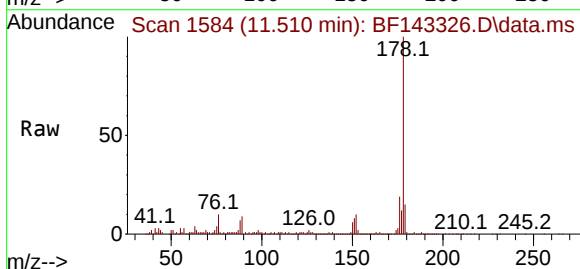
Instrument :
BNA_F
ClientSampleId :
TP-2

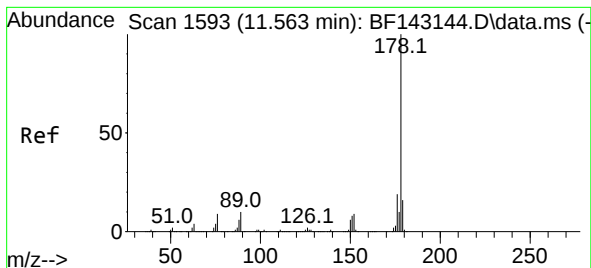
Tgt Ion:248 Resp: 7761
Ion Ratio Lower Upper
248 100
250 198.7 78.3 117.5#
141 473.4 59.2 88.8#



#71
Phenanthrene
Concen: 15.125 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion:178 Resp: 168343
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.5 18.7





#72

Anthracene

Concen: 4.162 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

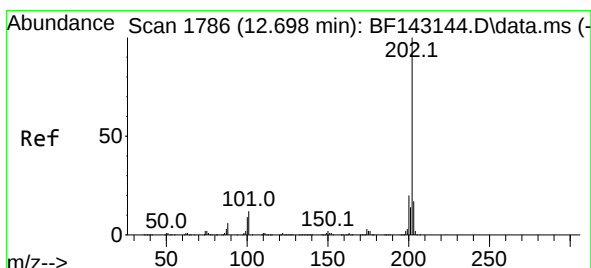
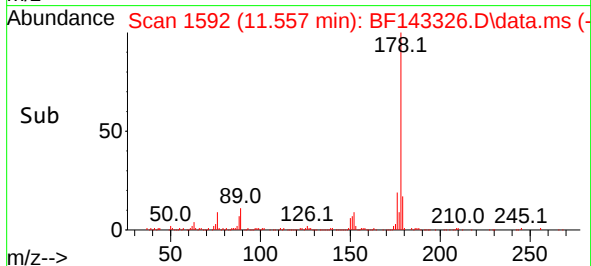
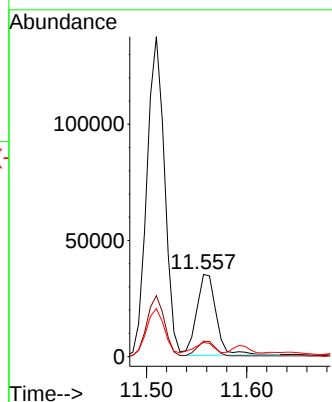
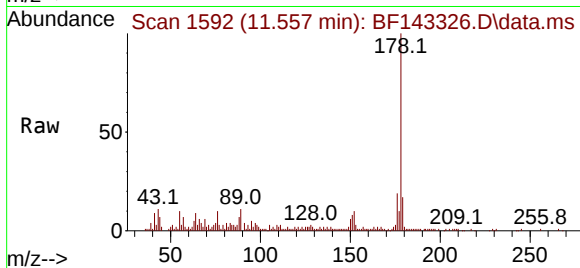
Tgt Ion:178 Resp: 47243

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

179 17.3 12.5 18.7



#75

Fluoranthene

Concen: 39.536 ng

RT: 12.704 min Scan# 1787

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

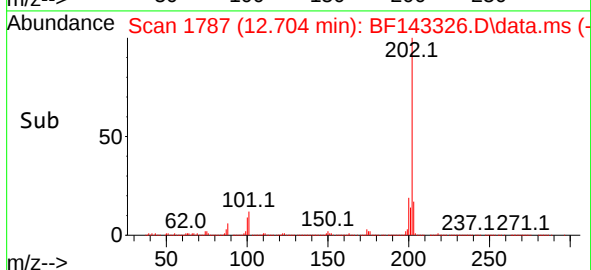
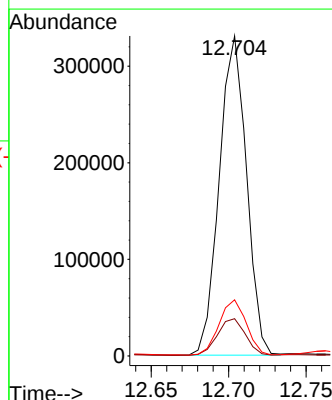
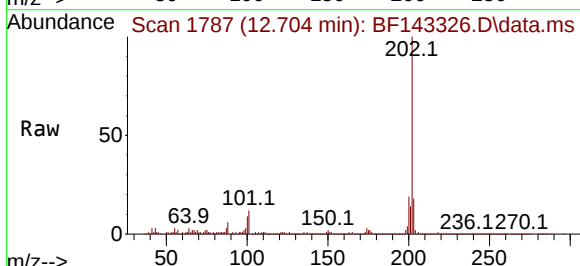
Tgt Ion:202 Resp: 403896

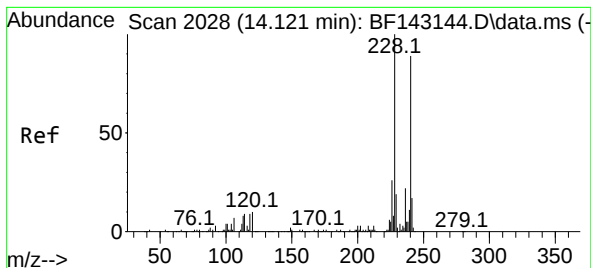
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.7

203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

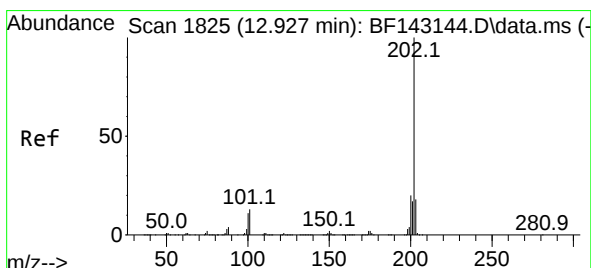
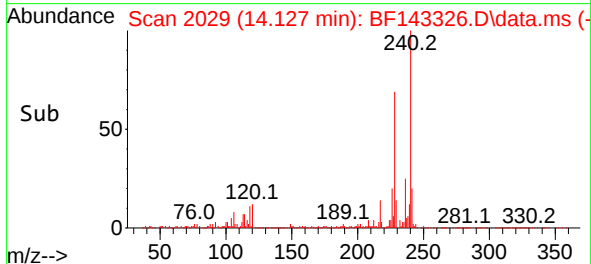
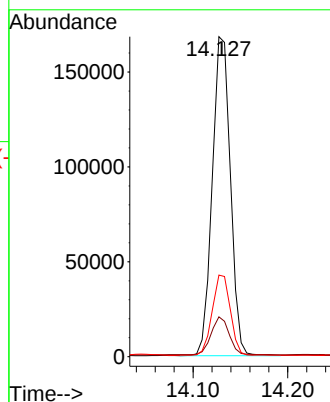
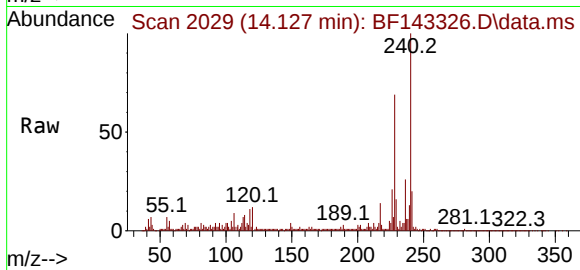
Tgt Ion:240 Resp: 223126

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.2

236 25.5 20.2 30.4



#78

Pyrene

Concen: 16.998 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

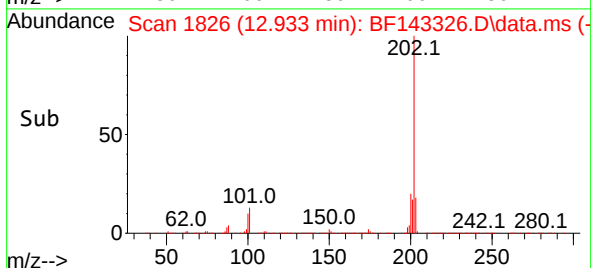
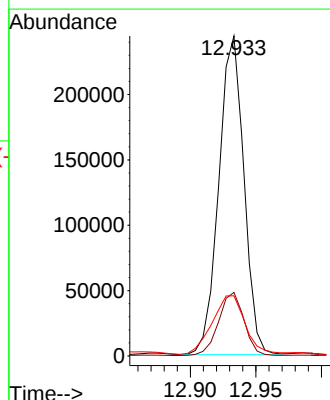
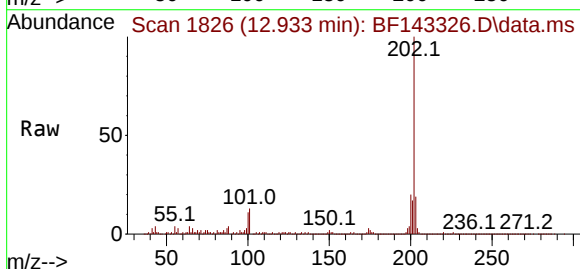
Tgt Ion:202 Resp: 323682

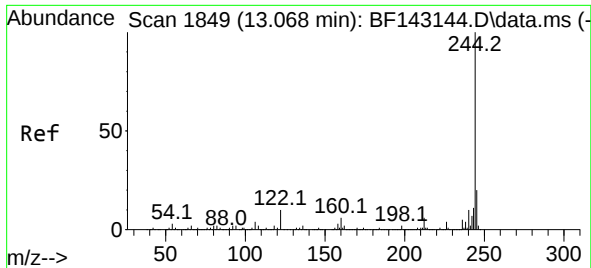
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 18.8 14.2 21.2

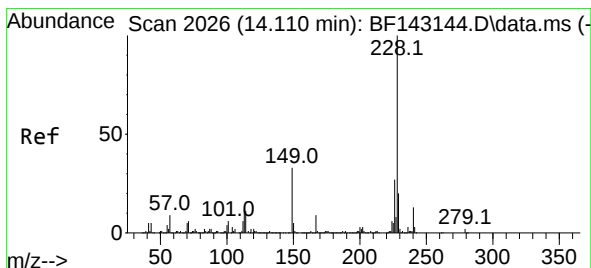
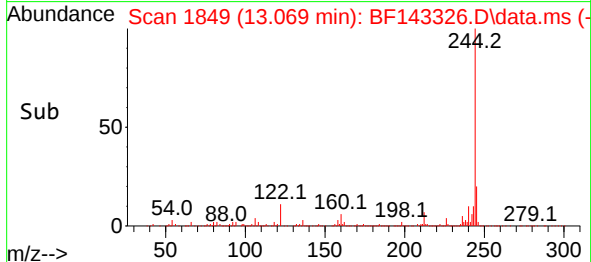
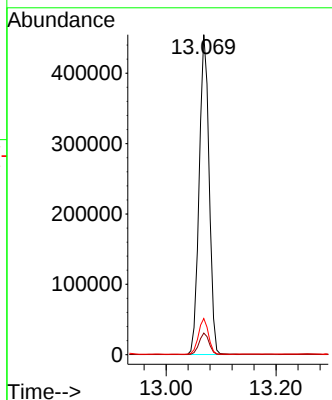
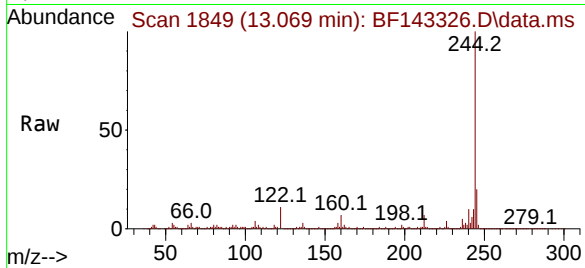




#79
 Terphenyl-d14
 Concen: 38.142 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143326.D
 Acq: 06 Aug 2025 13:20

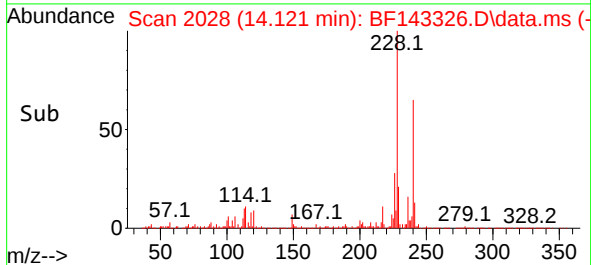
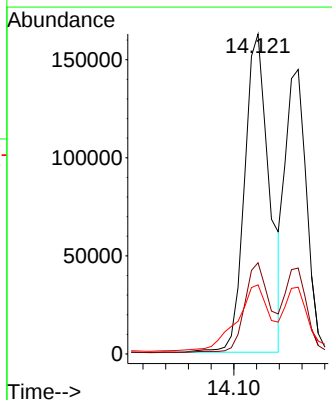
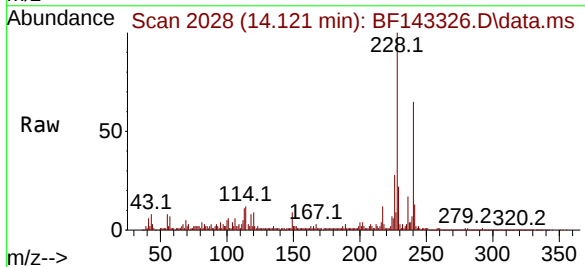
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

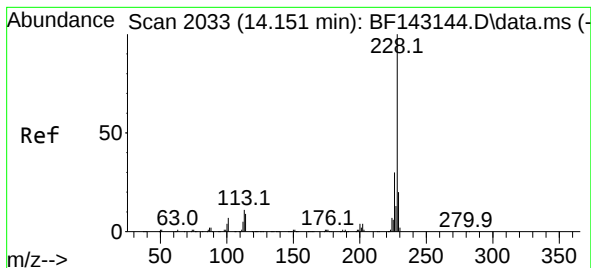
Tgt Ion:244 Resp: 571898
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 11.3 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 16.479 ng
 RT: 14.121 min Scan# 2028
 Delta R.T. 0.012 min
 Lab File: BF143326.D
 Acq: 06 Aug 2025 13:20

Tgt Ion:228 Resp: 246172
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 18.329 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

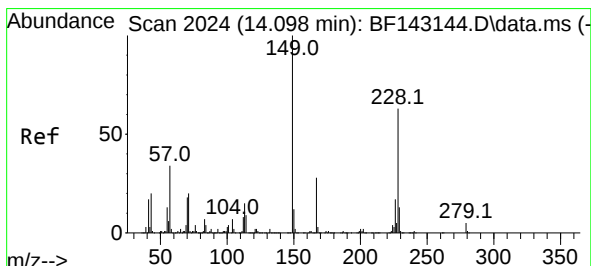
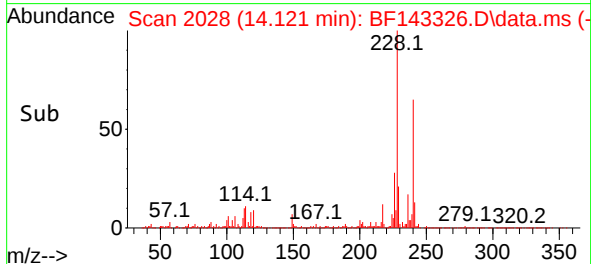
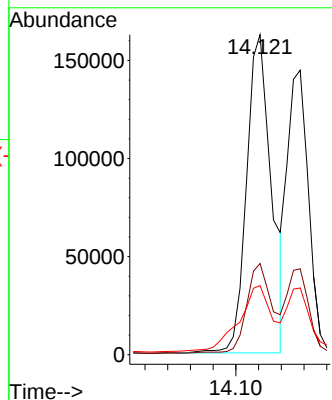
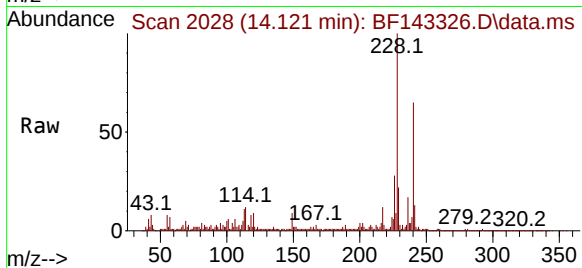
Tgt Ion:228 Resp: 246172

Ion Ratio Lower Upper

228 100

226 28.5 23.8 35.8

229 21.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 28.844 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

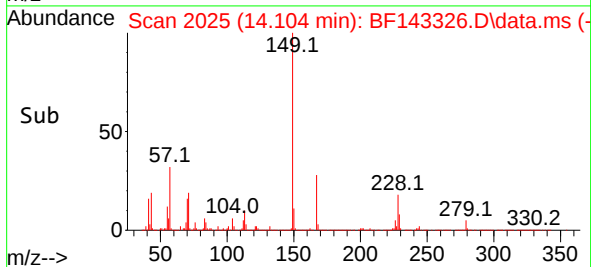
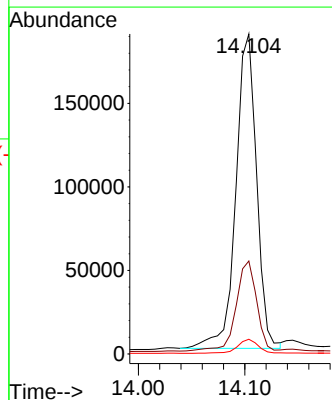
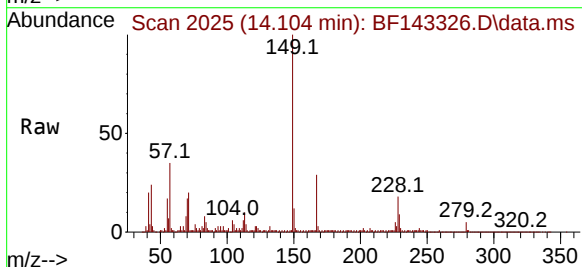
Tgt Ion:149 Resp: 254575

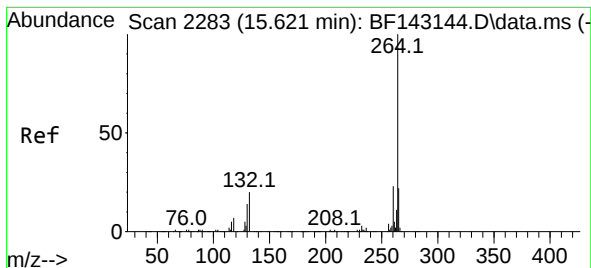
Ion Ratio Lower Upper

149 100

167 29.1 22.3 33.5

279 4.6 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

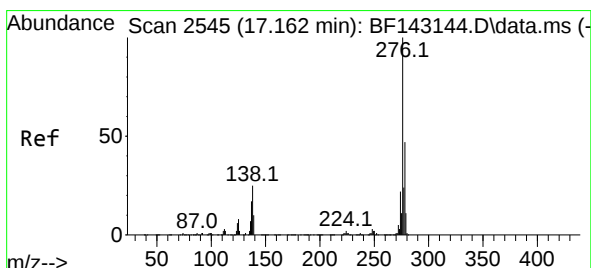
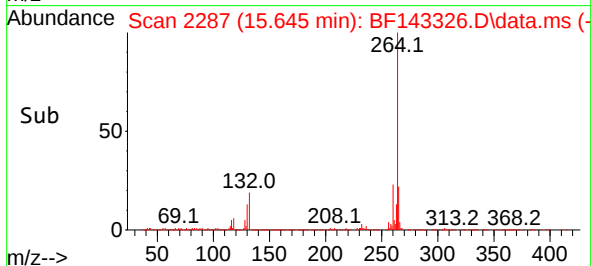
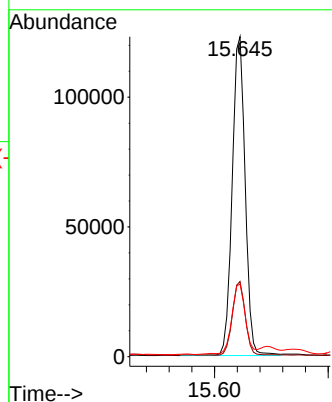
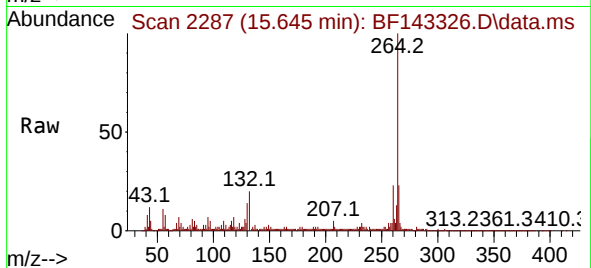
Tgt Ion:264 Resp: 194160

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.723 ng

RT: 17.180 min Scan# 2548

Delta R.T. 0.018 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

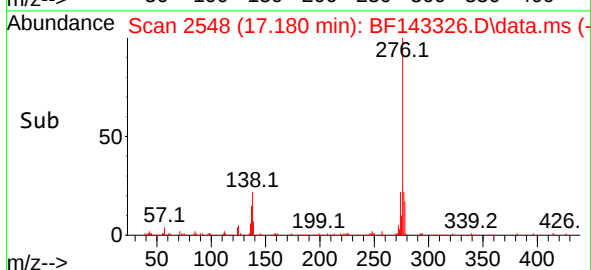
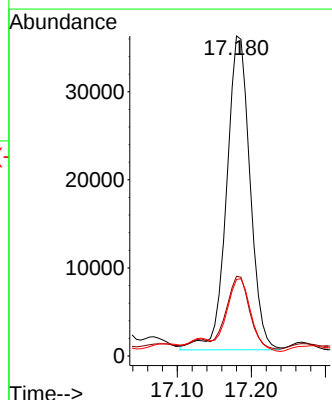
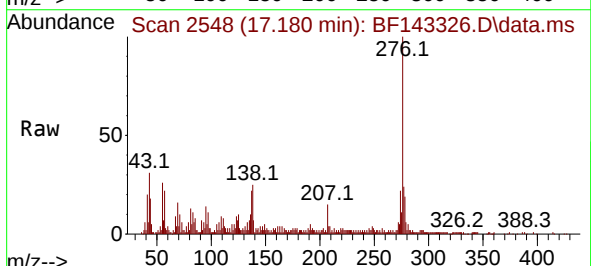
Tgt Ion:276 Resp: 78356

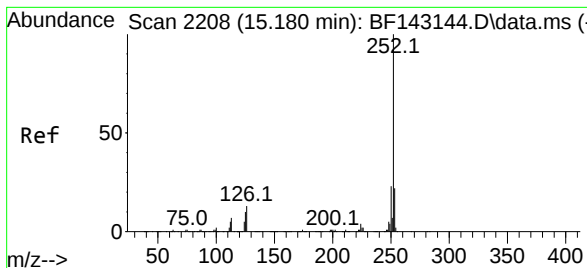
Ion Ratio Lower Upper

276 100

138 22.9 21.8 32.6

277 24.0 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 28.336 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

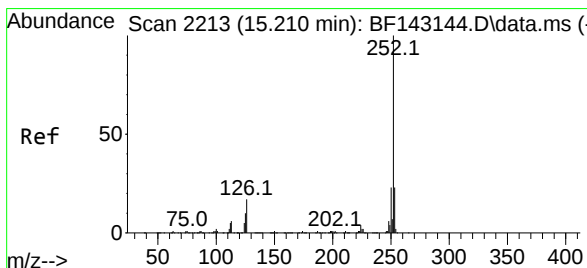
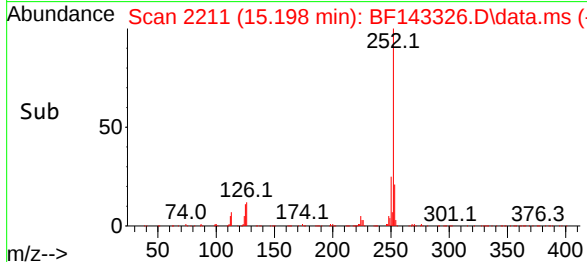
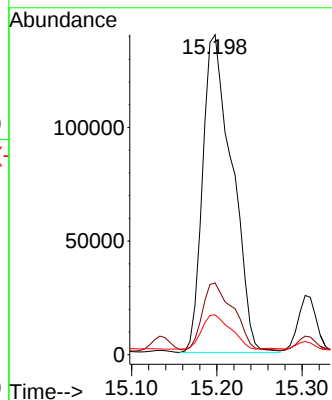
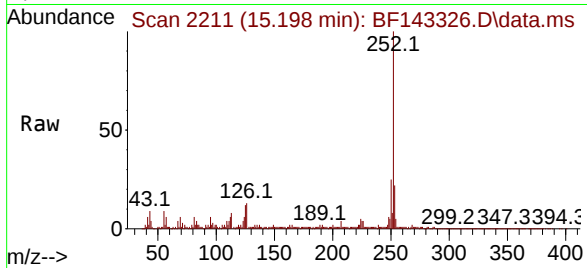
Tgt Ion:252 Resp: 336107

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 12.5 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 31.755 ng

RT: 15.198 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

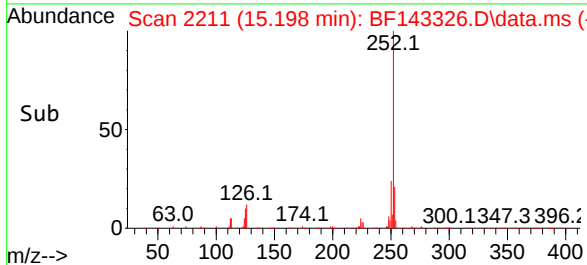
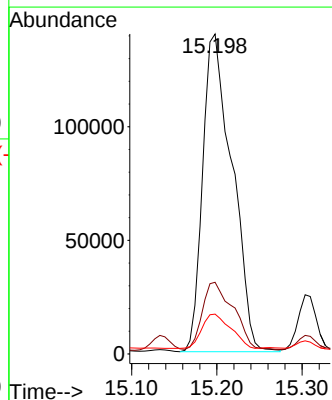
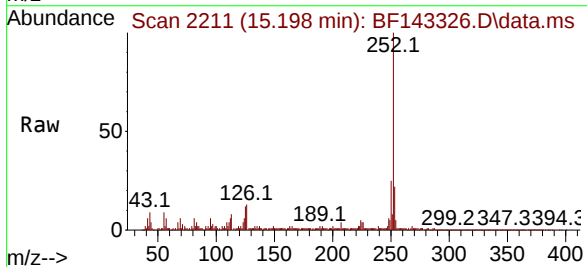
Tgt Ion:252 Resp: 336107

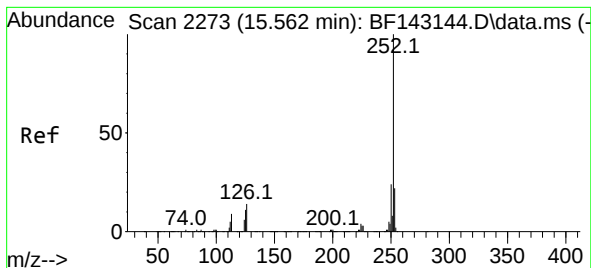
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 12.5 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 14.624 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

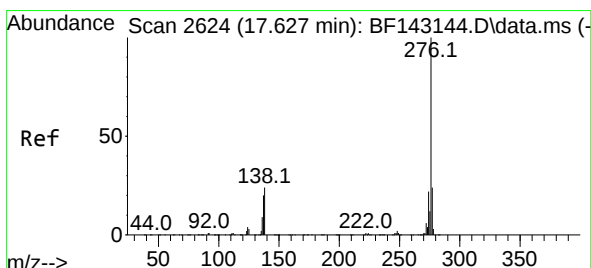
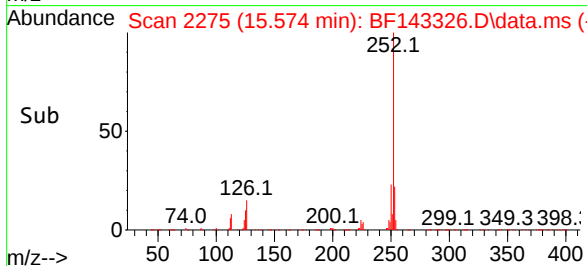
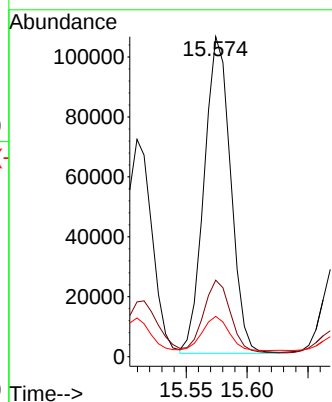
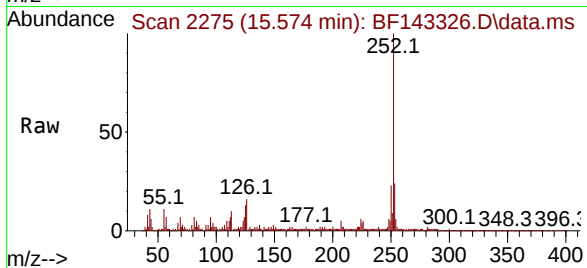
Tgt Ion:252 Resp: 159822

Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

125 12.6 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 7.805 ng

RT: 17.651 min Scan# 2628

Delta R.T. 0.024 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion:276 Resp: 84136

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 24.6 18.9 28.3

