

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143339.D
 Acq On : 06 Aug 2025 19:38
 Operator : RC/JU
 Sample : Q2774-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 256

Quant Time: Aug 07 01:01:23 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)

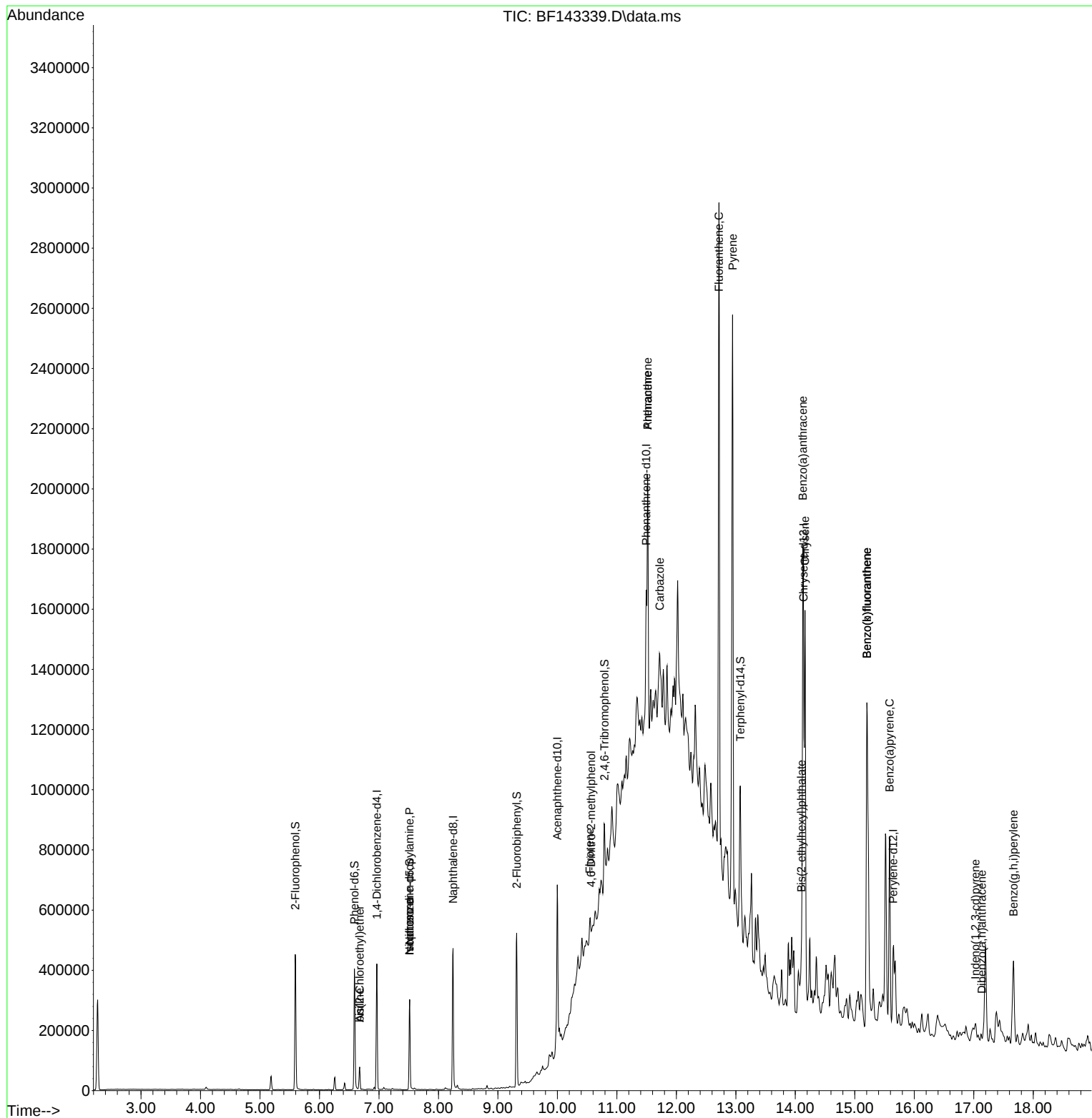
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	85351	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	300473	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	150406	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	216871	20.000	ng	# 0.00
76) Chrysene-d12	14.139	240	222967	20.000	ng	0.02
86) Perylene-d12	15.645	264	142220	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	164793	30.554	ng	0.00
7) Phenol-d6	6.587	99	182462	26.877	ng	0.00
23) Nitrobenzene-d5	7.516	82	125212	20.772	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	38286	24.641	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	226766	20.620	ng	0.00
79) Terphenyl-d14	13.075	244	213757	14.266	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.675	93	20738	2.192	ng	# 48
11) bis(2-Chloroethyl)ether	6.675	93	20738	3.662	ng	# 20
19) n-Nitroso-di-n-propyla...	7.516	70	16482	3.784	ng	# 84
25) Isophorone	7.516	82	122159	11.480	ng	# 66
58) Fluorene	10.545	166	20474	2.136	ng	# 88
65) 4,6-Dinitro-2-methylph...	10.569	198	121	5.507	ng	# 1
71) Phenanthrene	11.516	178	475681	41.309	ng	98
72) Anthracene	11.516	178	475681	40.503	ng	97
73) Carbazole	11.722	167	68018	6.633	ng	# 85
75) Fluoranthene	12.716	202	1370641	129.680	ng	99
78) Pyrene	12.945	202	1242270	65.283	ng	98
81) Benzo(a)anthracene	14.127	228	698435	46.788	ng	97
83) Chrysene	14.163	228	678280	50.537	ng	98
84) Bis(2-ethylhexyl)phtha...	14.104	149	22105	2.506	ng	94
87) Indeno(1,2,3-cd)pyrene	17.027	276	40943	4.083	ng	98
88) Benzo(b)fluoranthene	15.204	252	976433	112.384	ng	98
89) Benzo(k)fluoranthene	15.204	252	976433	125.942	ng	98
90) Benzo(a)pyrene	15.586	252	387409	48.396	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	17512	2.145	ng	95
92) Benzo(g,h,i)perylene	17.668	276	251550	31.859	ng	98

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

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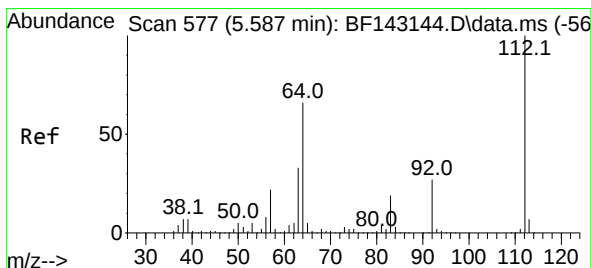
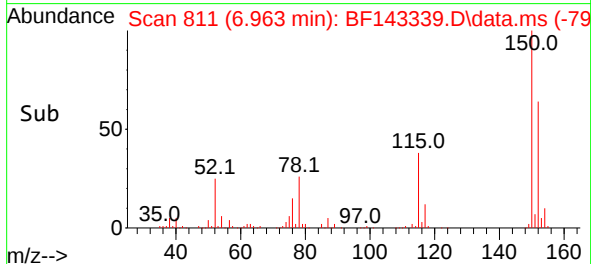
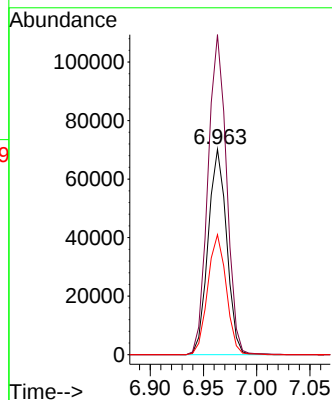
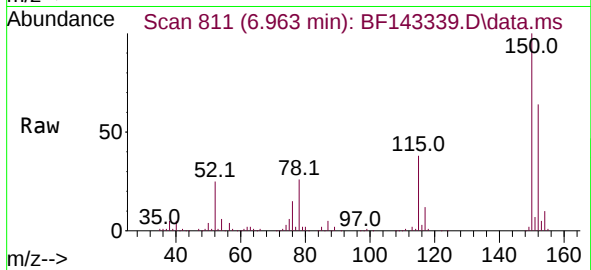




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 811
 Delta R.T. 0.000 min
 Lab File: BF143339.D
 Acq: 06 Aug 2025 19:38

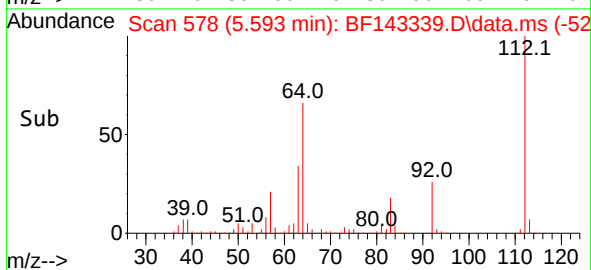
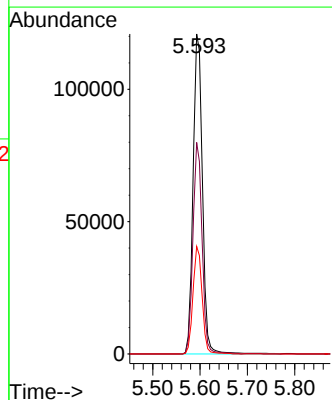
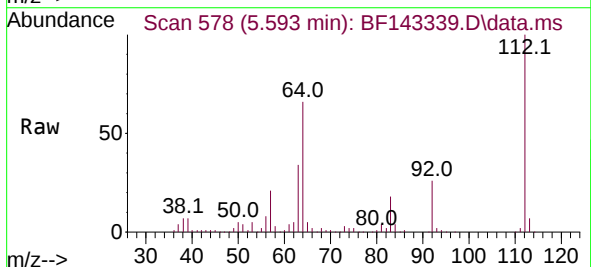
Instrument :
 BNA_F
 ClientSampleId :
 256

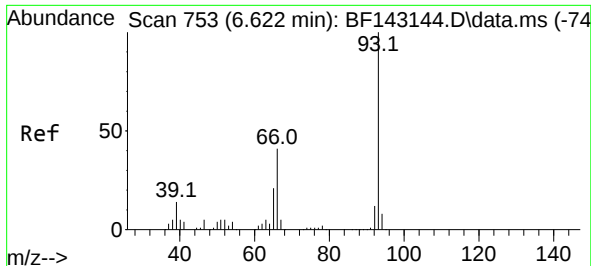
Tgt Ion:152 Resp: 85351
 Ion Ratio Lower Upper
 152 100
 150 155.8 128.2 192.4
 115 58.5 47.9 71.9



#5
 2-Fluorophenol
 Concen: 30.554 ng
 RT: 5.593 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: BF143339.D
 Acq: 06 Aug 2025 19:38

Tgt Ion:112 Resp: 164793
 Ion Ratio Lower Upper
 112 100
 64 66.1 53.1 79.7
 63 33.6 26.6 40.0

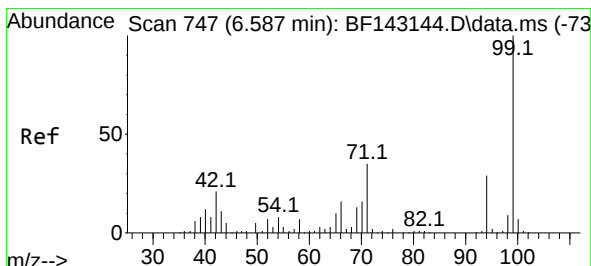
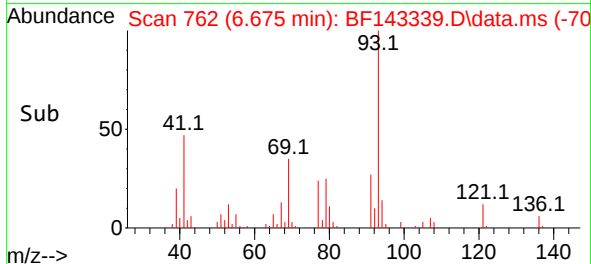
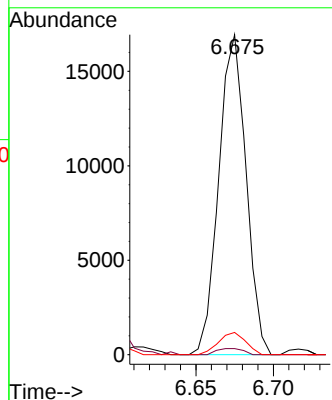
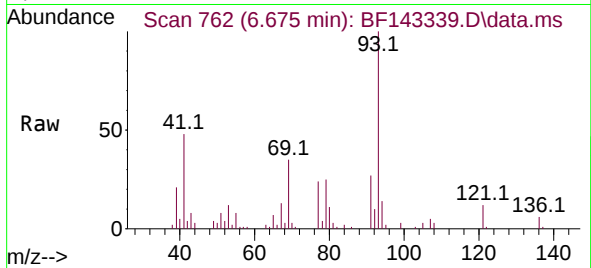




#6
Aniline
Concen: 2.192 ng
RT: 6.675 min Scan# 753
Delta R.T. 0.053 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

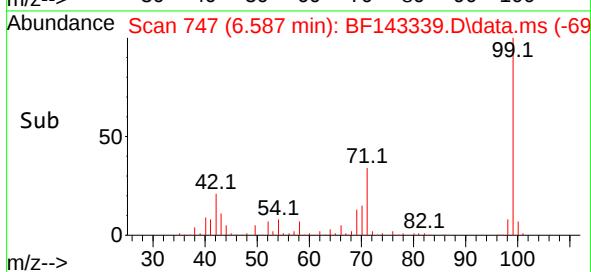
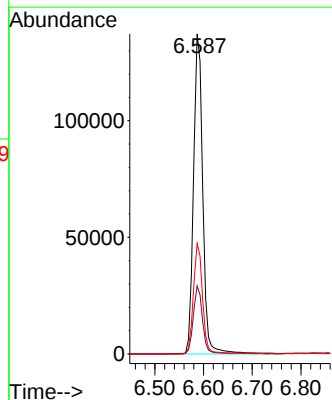
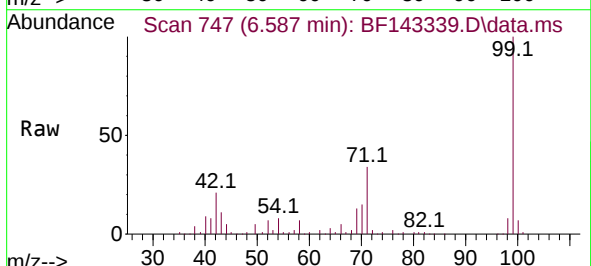
Instrument :
BNA_F
ClientSampleId :
256

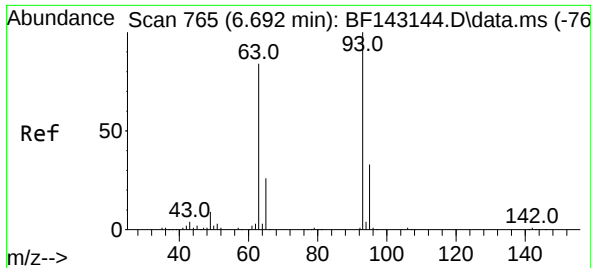
Tgt Ion: 93 Resp: 20738
Ion Ratio Lower Upper
93 100
66 1.9 33.2 49.8#
65 6.9 16.9 25.3#



#7
Phenol-d6
Concen: 26.877 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion: 99 Resp: 182462
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.5 27.7 41.5

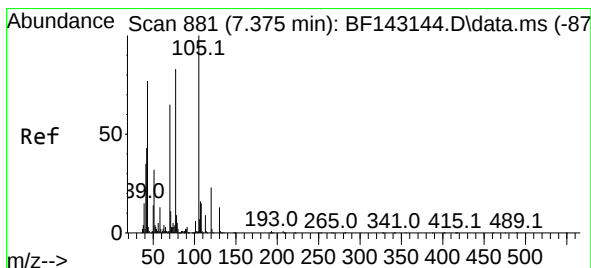
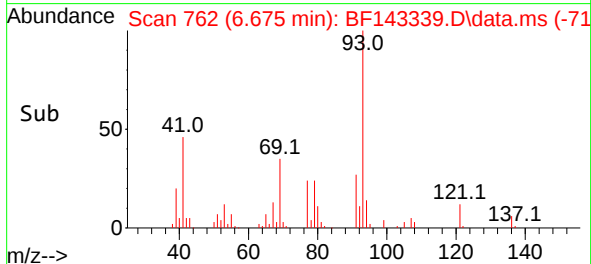
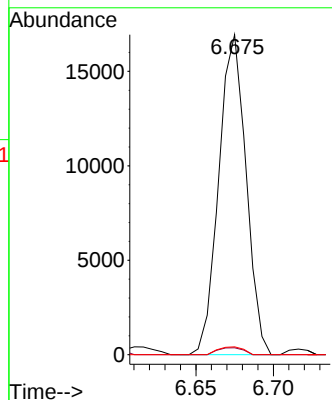
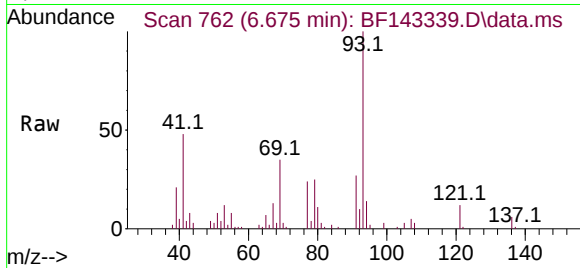




#11
bis(2-Chloroethyl)ether
Concen: 3.662 ng
RT: 6.675 min Scan# 701
Delta R.T. -0.017 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

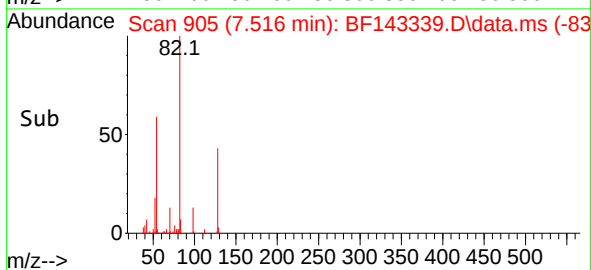
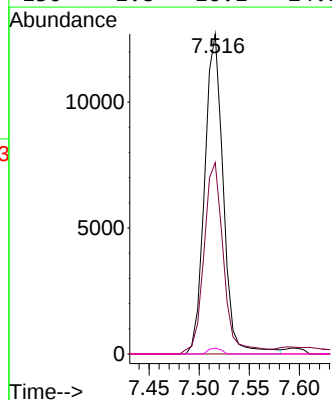
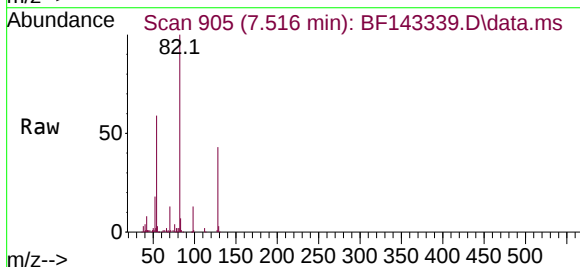
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ClientSampleId :
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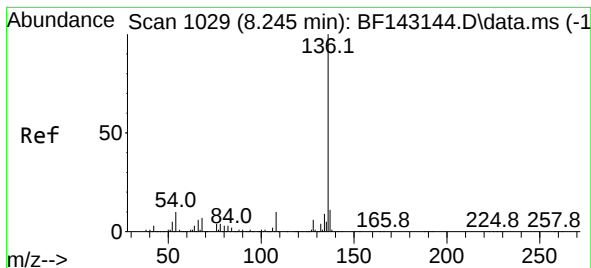
Tgt Ion: 93 Resp: 20738
Ion Ratio Lower Upper
93 100
63 2.2 63.4 103.4#
95 2.4 12.4 52.4#



#19
n-Nitroso-di-n-propylamine
Concen: 3.784 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion: 70 Resp: 16482
Ion Ratio Lower Upper
70 100
42 59.8 52.5 78.7
101 0.0 7.6 11.4#
130 1.8 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

Tgt Ion:136 Resp: 300473

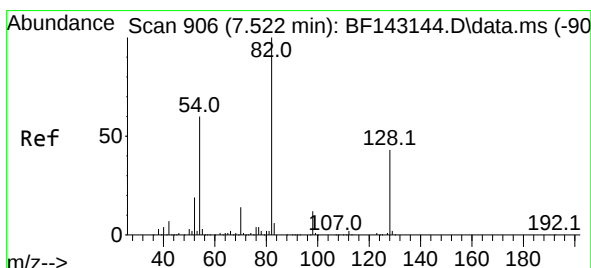
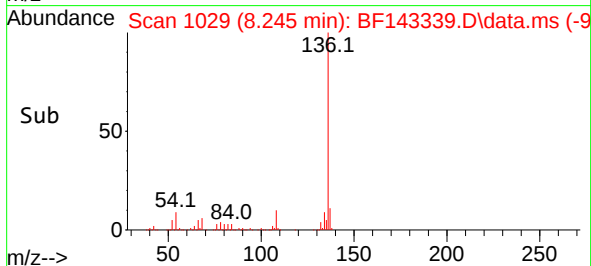
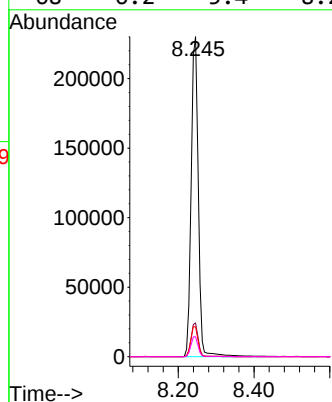
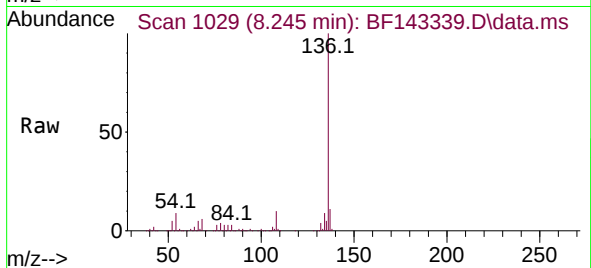
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 9.3 8.2 12.2

68 6.2 5.4 8.2



#23

Nitrobenzene-d5

Concen: 20.772 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

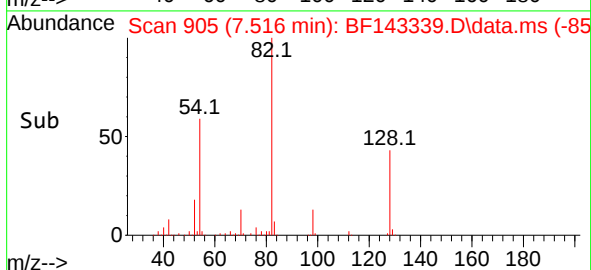
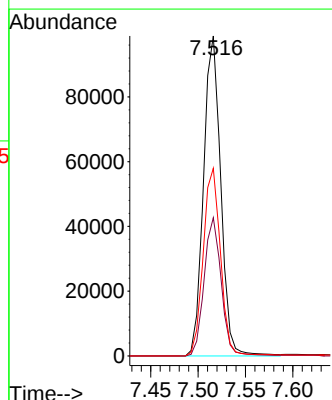
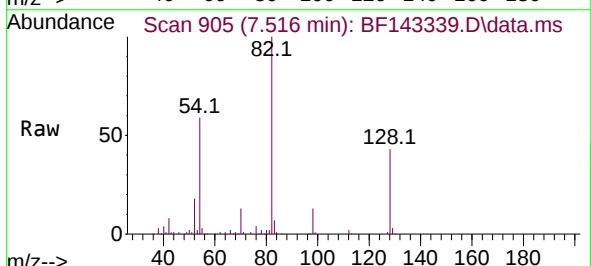
Tgt Ion: 82 Resp: 125212

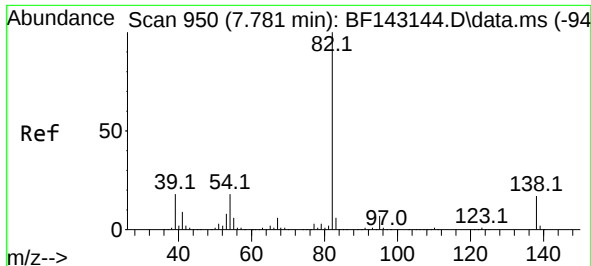
Ion Ratio Lower Upper

82 100

128 43.2 33.6 50.4

54 58.7 47.1 70.7

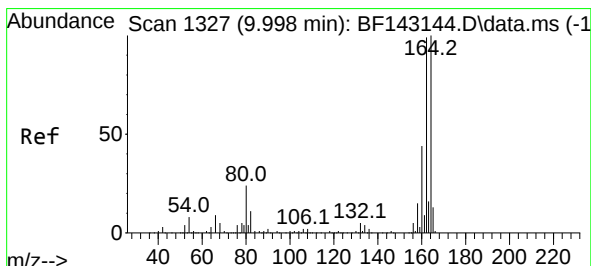
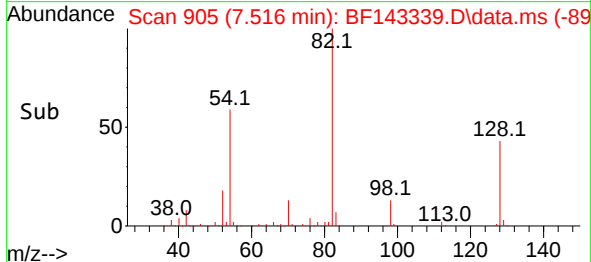
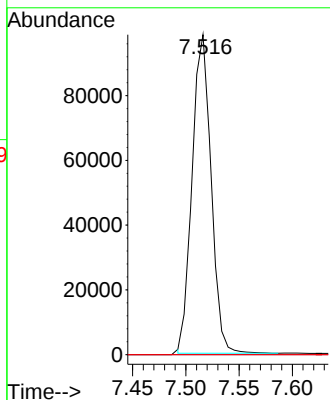
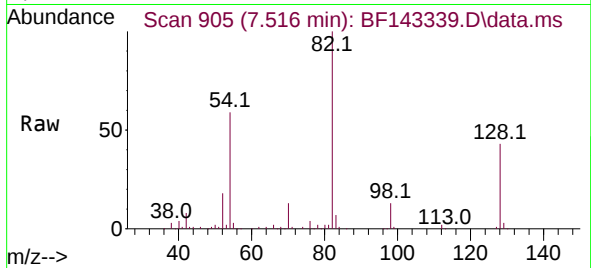




#25
Isophorone
Concen: 11.480 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

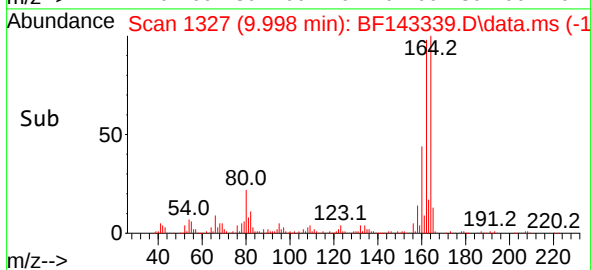
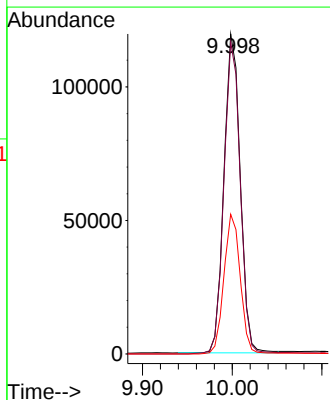
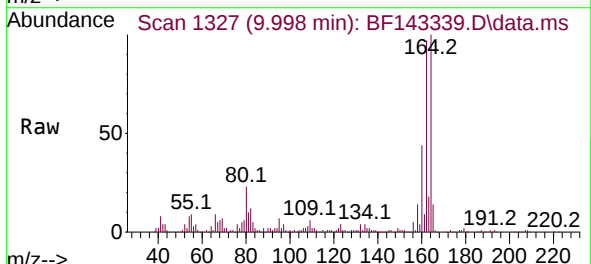
Instrument :
BNA_F
ClientSampleId :
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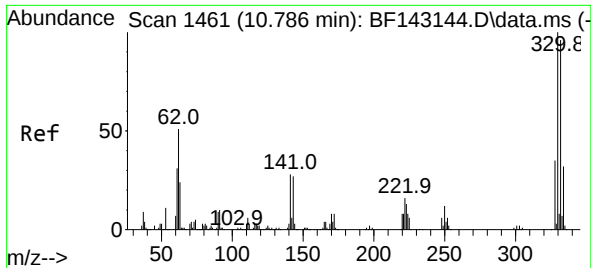
Tgt Ion: 82 Resp: 122159
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion:164 Resp: 150406
Ion Ratio Lower Upper
164 100
162 97.4 79.0 118.6
160 43.7 35.1 52.7

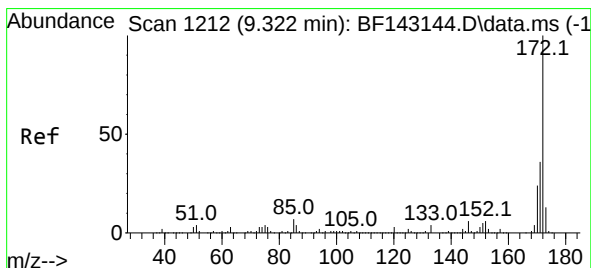
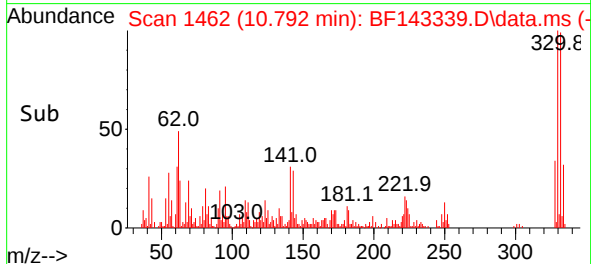
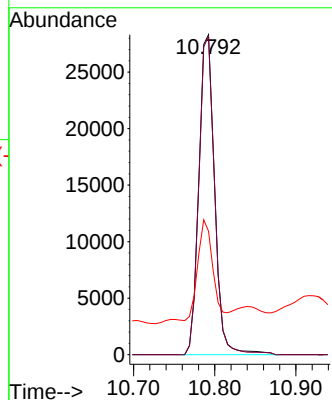
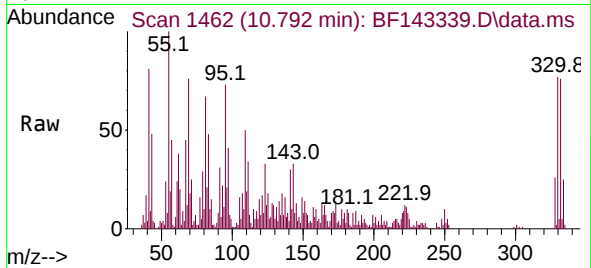




#42
2,4,6-Tribromophenol
Concen: 24.641 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

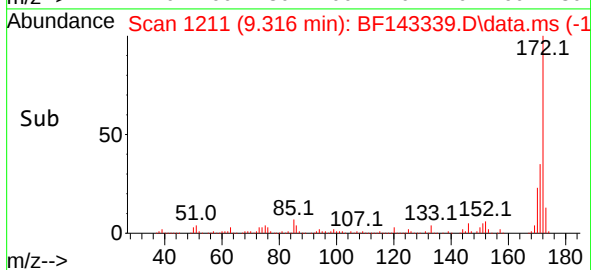
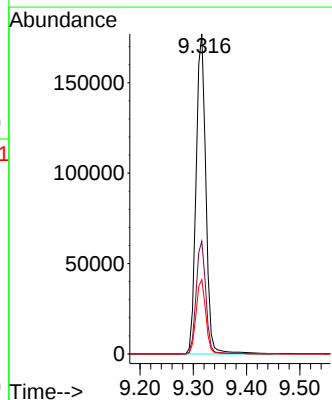
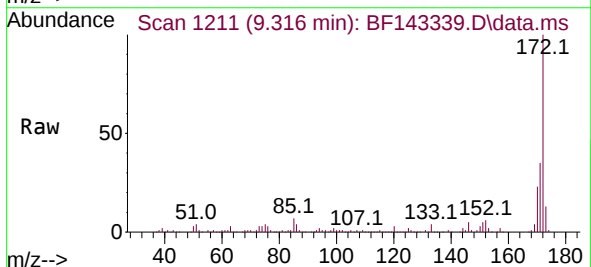
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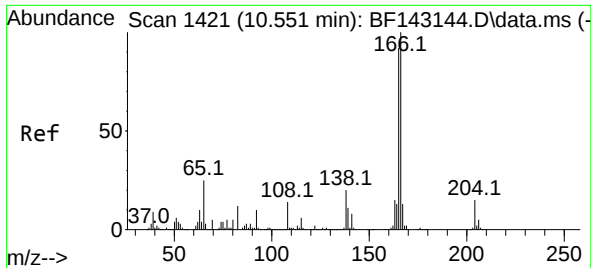
Tgt Ion:330 Resp: 38286
Ion Ratio Lower Upper
330 100
332 99.2 76.7 115.1
141 30.3 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 20.620 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion:172 Resp: 226766
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.2 18.8 28.2

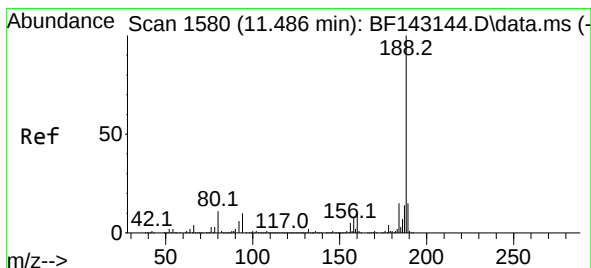
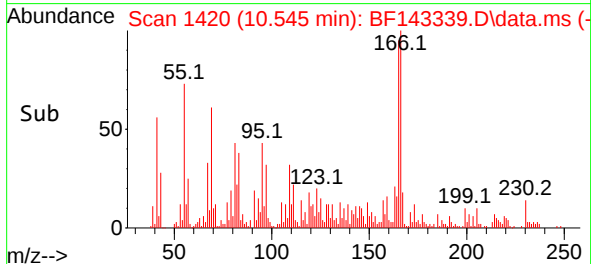
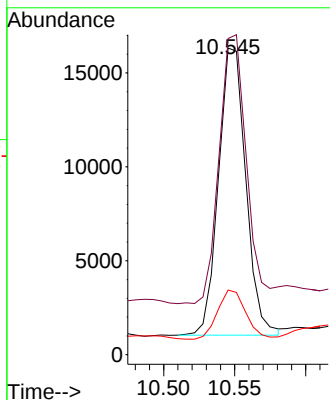
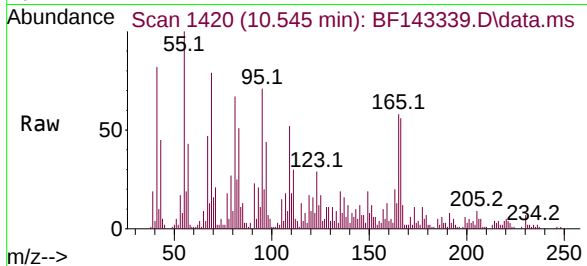




#58
Fluorene
Concen: 2.136 ng
RT: 10.545 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

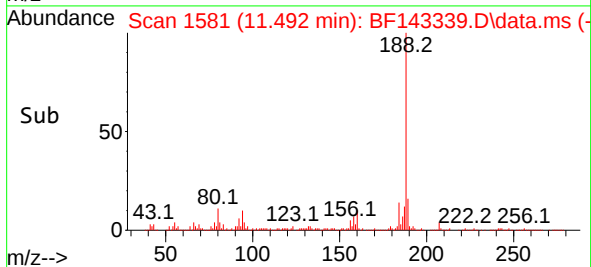
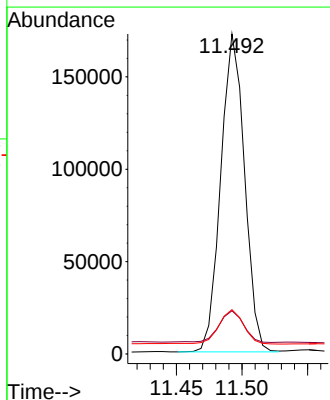
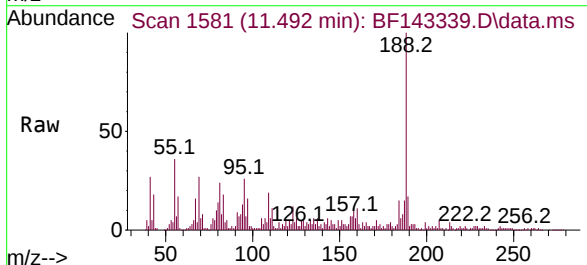
Instrument :
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ClientSampleId :
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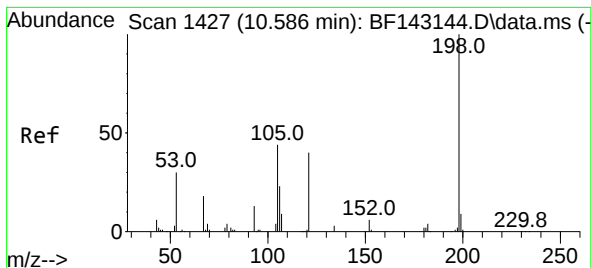
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Ion Ratio Lower Upper
166 100
165 103.0 73.7 110.5
167 21.1 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion:188 Resp: 216871
Ion Ratio Lower Upper
188 100
94 13.5 8.3 12.5#
80 13.9 9.0 13.6#

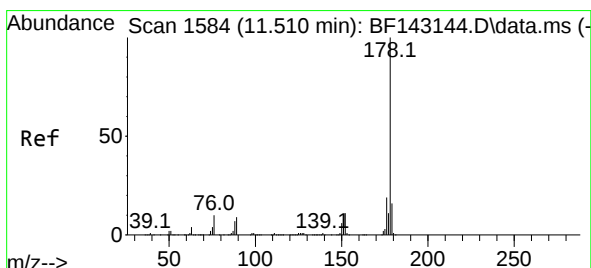
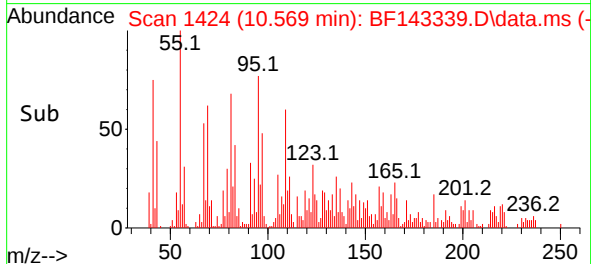
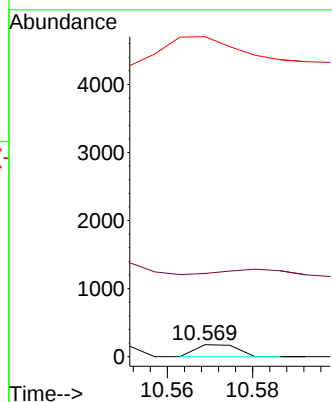
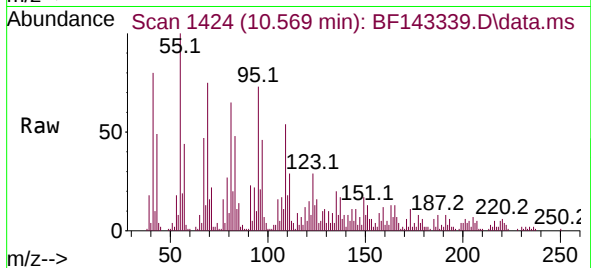




#65
4,6-Dinitro-2-methylphenol
Concen: 5.507 ng
RT: 10.569 min Scan# 1424
Delta R.T. -0.017 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

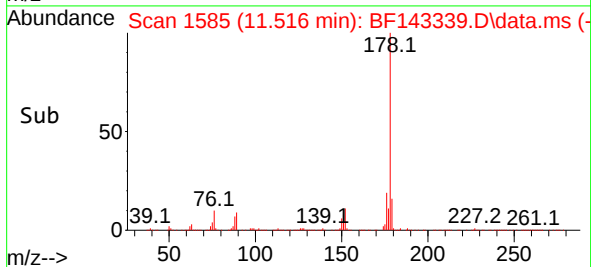
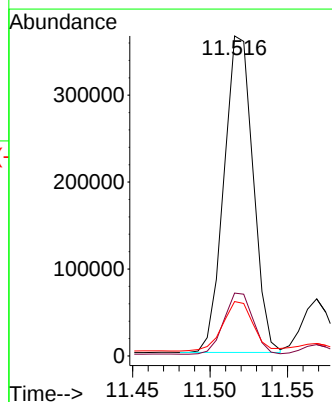
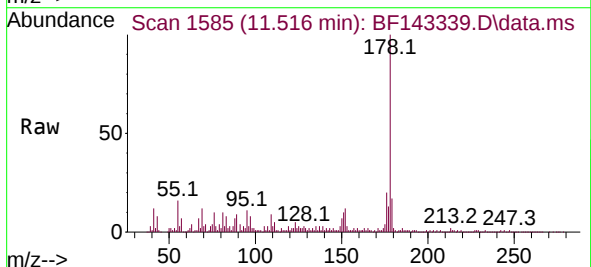
Instrument :
BNA_F
ClientSampleId :
256

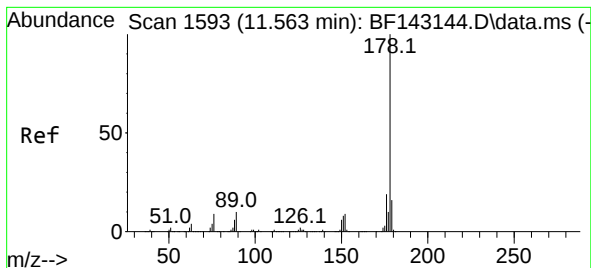
Tgt Ion:198 Resp: 121
Ion Ratio Lower Upper
198 100
51 694.9 37.2 77.2#
105 2671.6 24.8 64.8#



#71
Phenanthrene
Concen: 41.309 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion:178 Resp: 475681
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 17.0 12.5 18.7





#72

Anthracene

Concen: 40.503 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.047 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

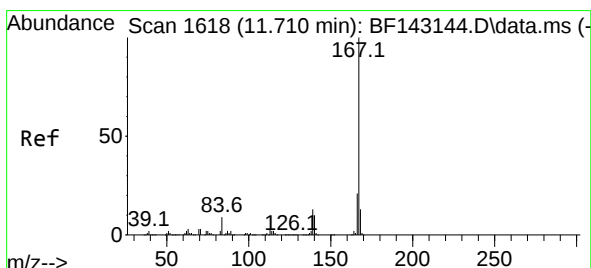
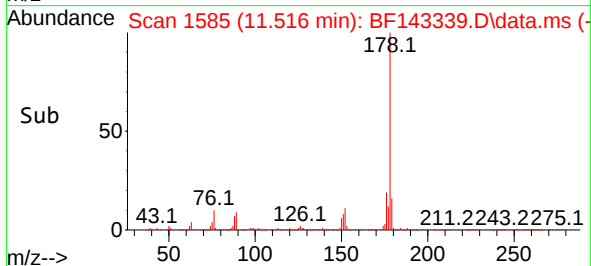
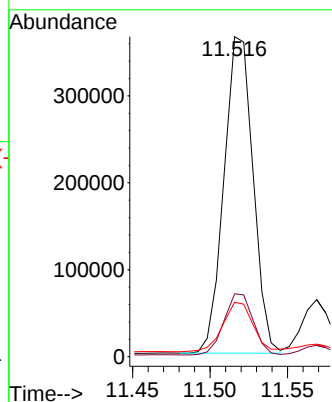
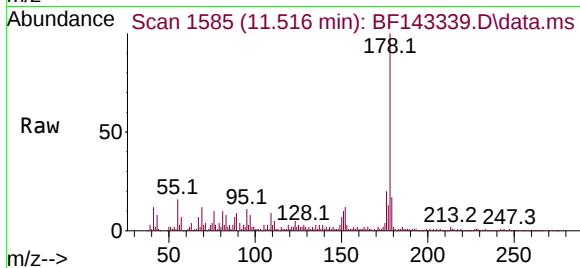
Tgt Ion:178 Resp: 475681

Ion Ratio Lower Upper

178 100

176 19.7 15.0 22.4

179 17.0 12.5 18.7



#73

Carbazole

Concen: 6.633 ng

RT: 11.722 min Scan# 1620

Delta R.T. 0.012 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

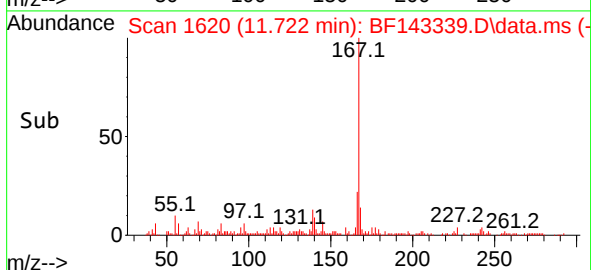
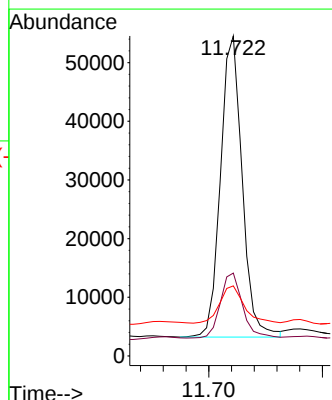
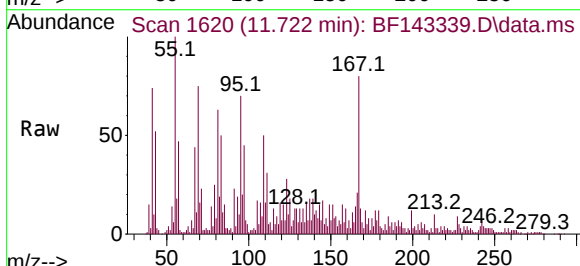
Tgt Ion:167 Resp: 68018

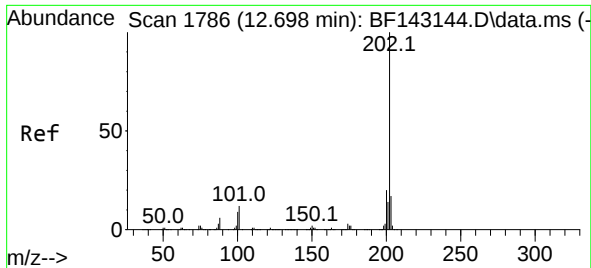
Ion Ratio Lower Upper

167 100

166 25.9 17.0 25.6#

139 21.9 10.0 15.0#

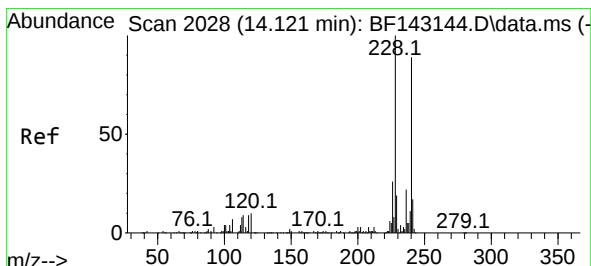
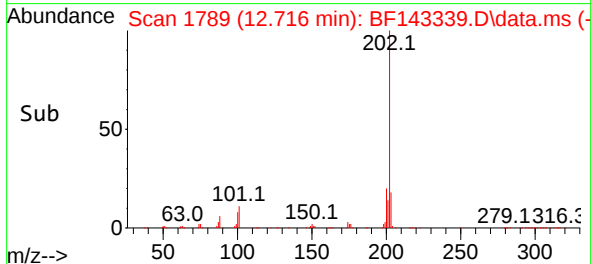
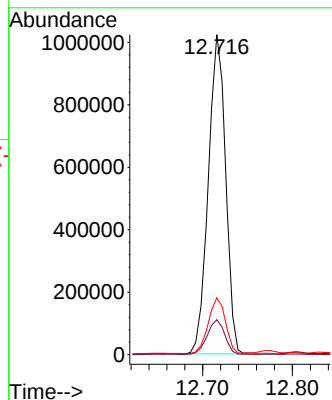
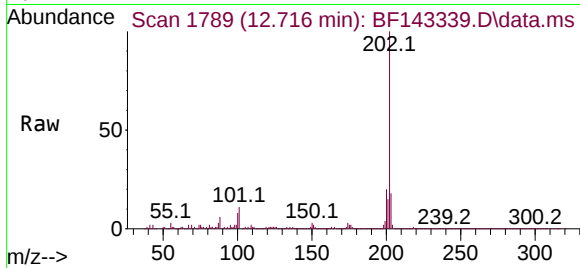




#75
Fluoranthene
Concen: 129.680 ng
RT: 12.716 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

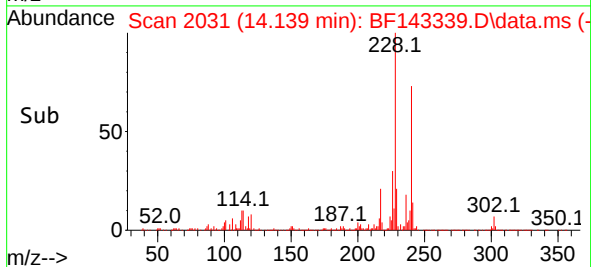
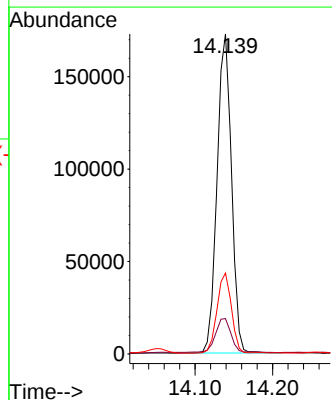
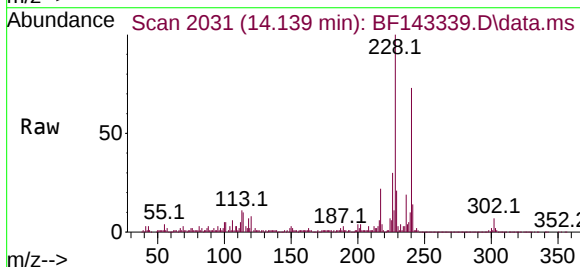
Instrument :
BNA_F
ClientSampleId :
256

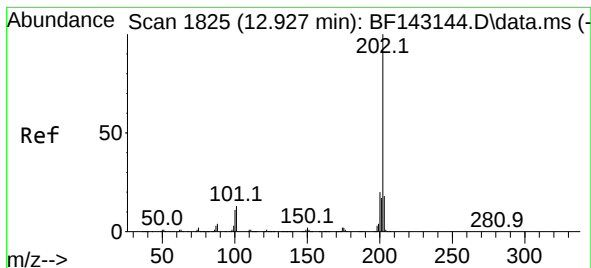
Tgt Ion:202 Resp: 1370641
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.7
203 17.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2031
Delta R.T. 0.018 min
Lab File: BF143339.D
Acq: 06 Aug 2025 19:38

Tgt Ion:240 Resp: 222967
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 25.3 20.2 30.4





#78

Pyrene

Concen: 65.283 ng

RT: 12.945 min Scan# 1828

Delta R.T. 0.018 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

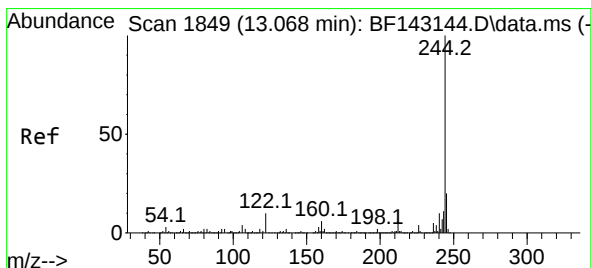
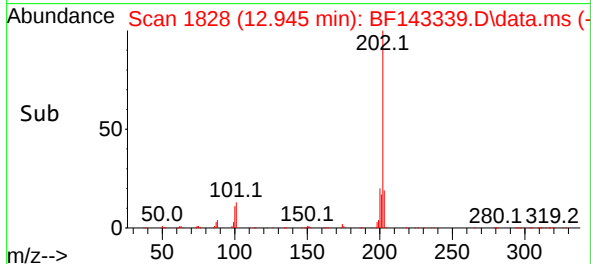
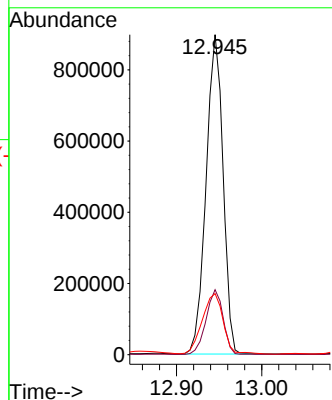
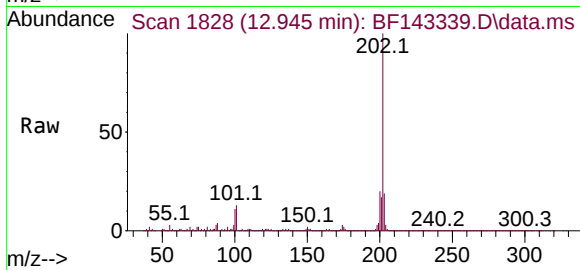
Tgt Ion:202 Resp: 1242270

Ion Ratio Lower Upper

202 100

200 20.3 15.7 23.5

203 19.1 14.2 21.2



#79

Terphenyl-d14

Concen: 14.266 ng

RT: 13.075 min Scan# 1850

Delta R.T. 0.006 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

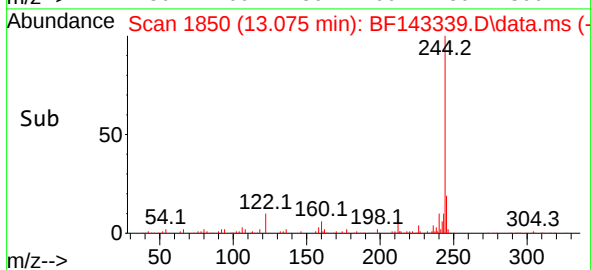
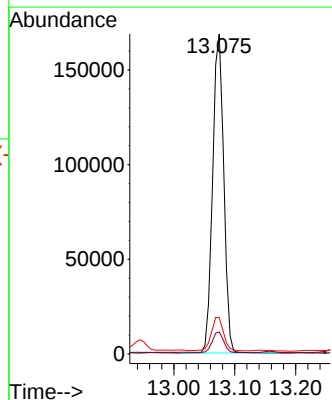
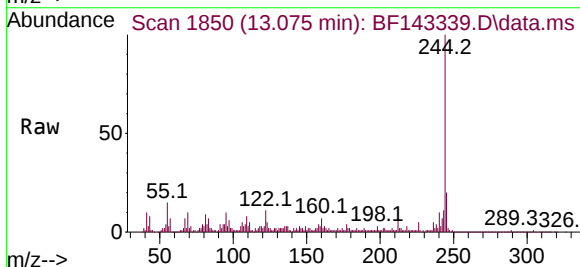
Tgt Ion:244 Resp: 213757

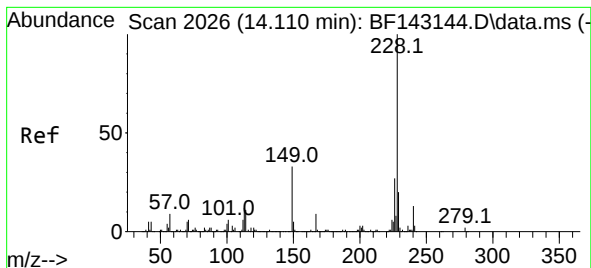
Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

122 11.3 8.2 12.2





#81

Benzo(a)anthracene

Concen: 46.788 ng

RT: 14.127 min Scan# 2026

Delta R.T. 0.018 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

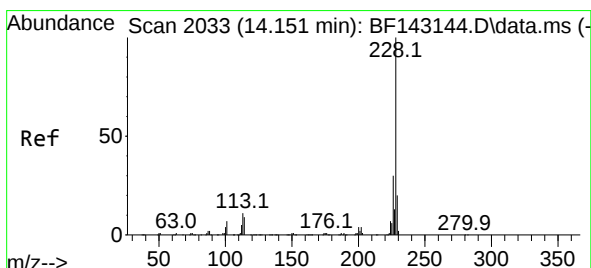
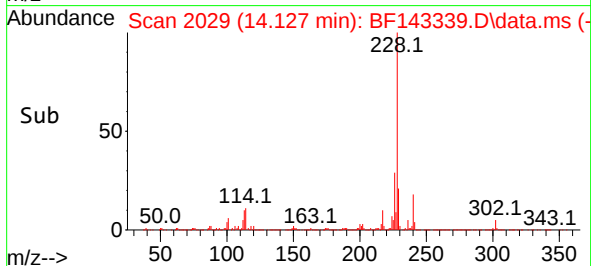
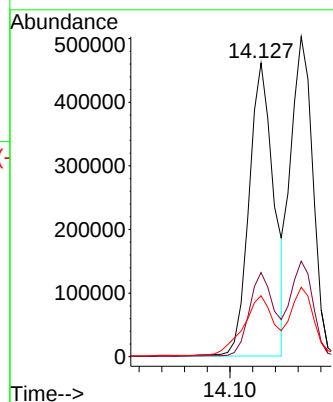
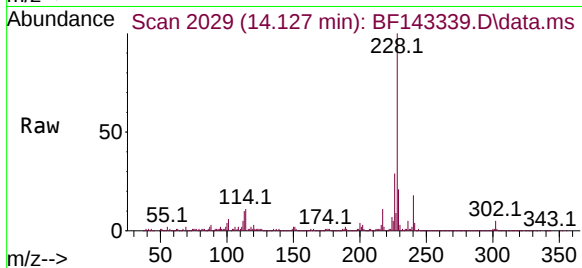
Tgt Ion:228 Resp: 698435

Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 20.7 15.8 23.6



#83

Chrysene

Concen: 50.537 ng

RT: 14.163 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

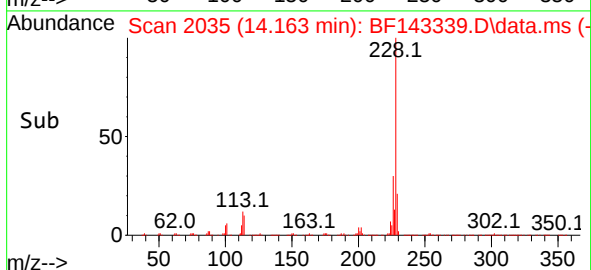
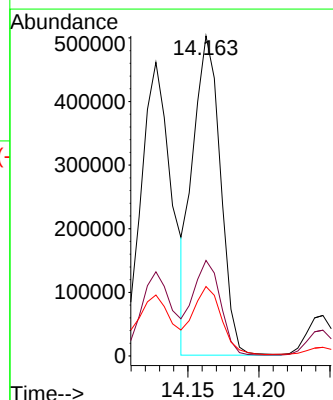
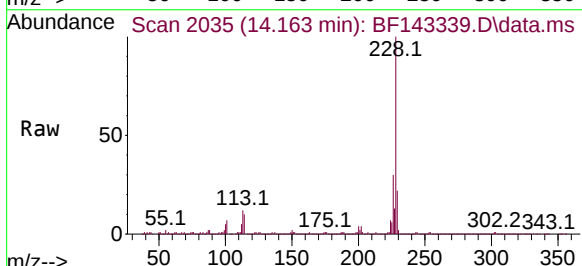
Tgt Ion:228 Resp: 678280

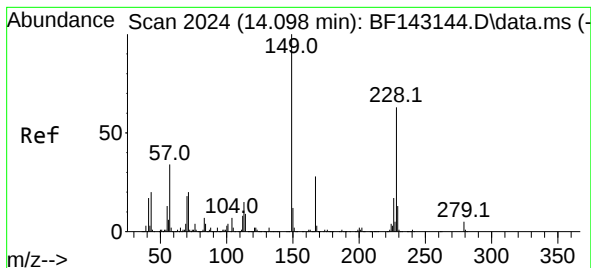
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 21.7 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.506 ng

RT: 14.104 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

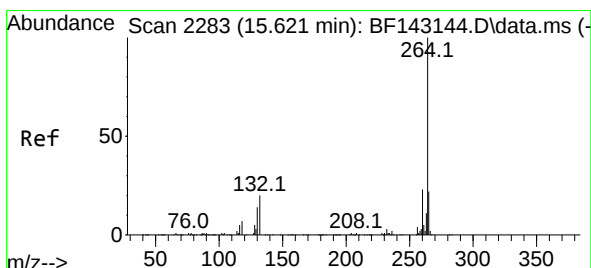
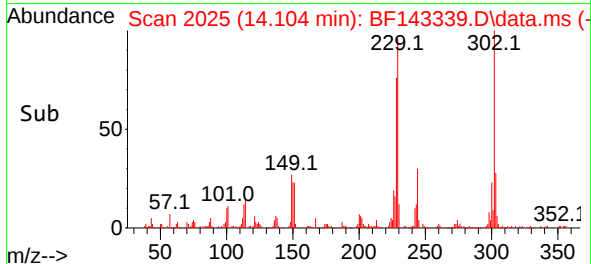
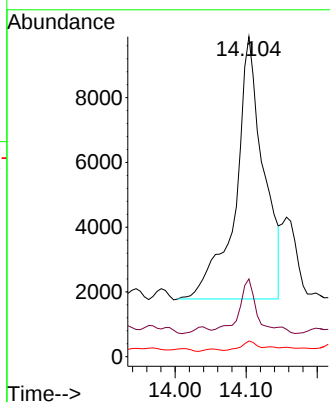
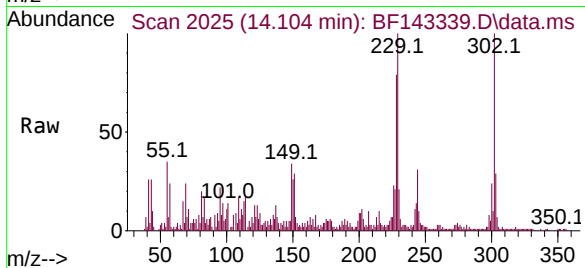
Tgt Ion:149 Resp: 22105

Ion Ratio Lower Upper

149 100

167 24.3 22.3 33.5

279 4.9 3.6 5.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2287

Delta R.T. 0.024 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

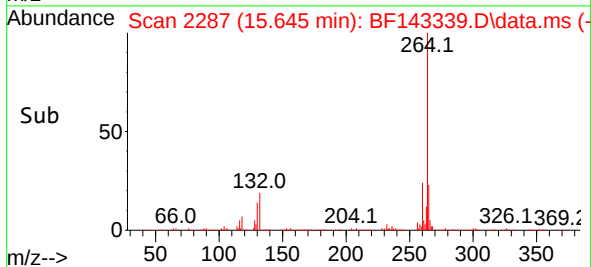
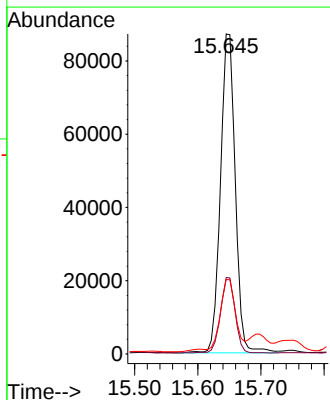
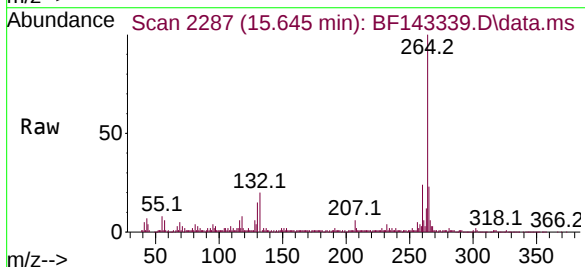
Tgt Ion:264 Resp: 142220

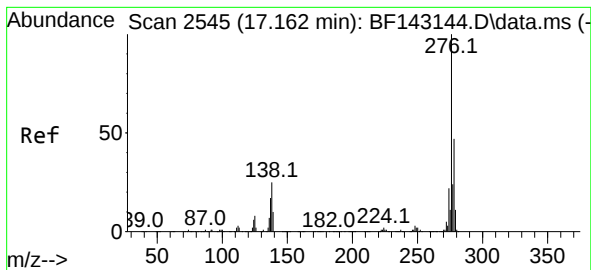
Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 23.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.083 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.135 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

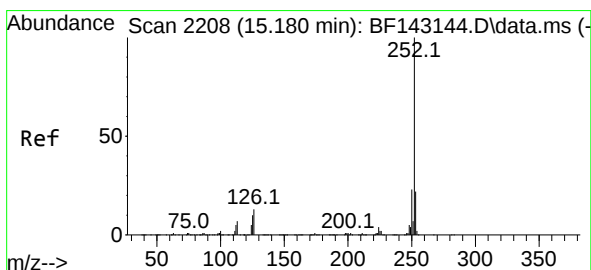
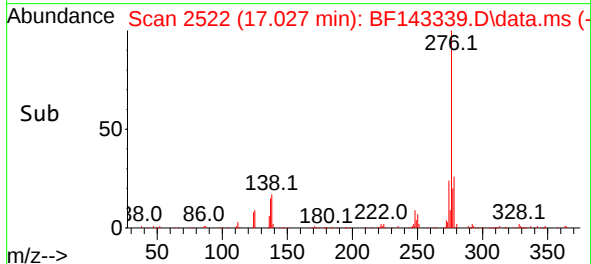
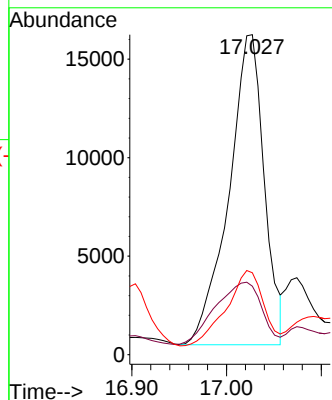
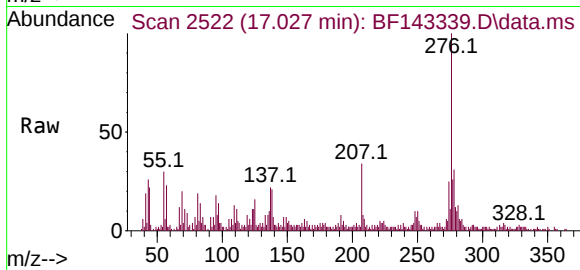
Tgt Ion:276 Resp: 40943

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.6

277 25.6 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 112.384 ng

RT: 15.204 min Scan# 2212

Delta R.T. 0.024 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

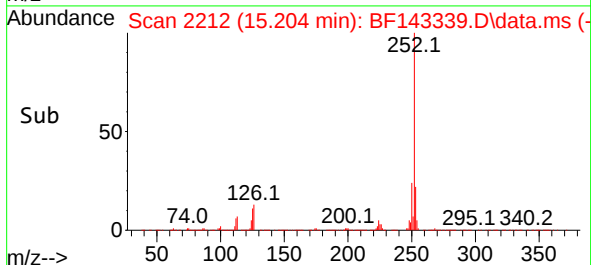
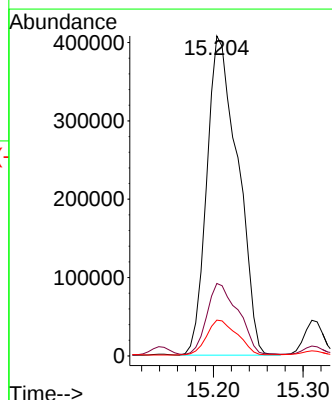
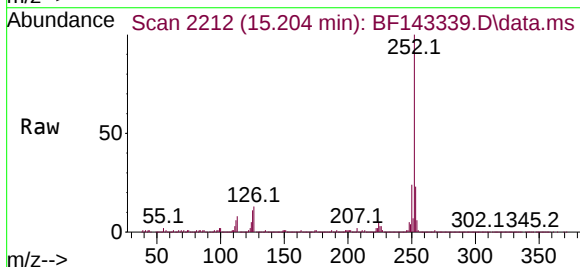
Tgt Ion:252 Resp: 976433

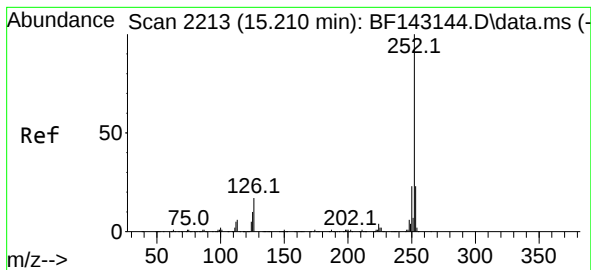
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.2 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 125.942 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

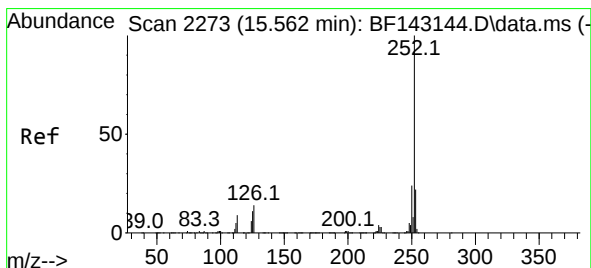
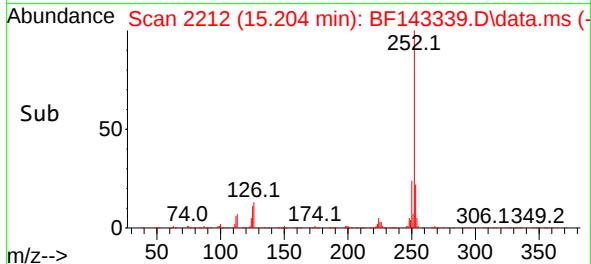
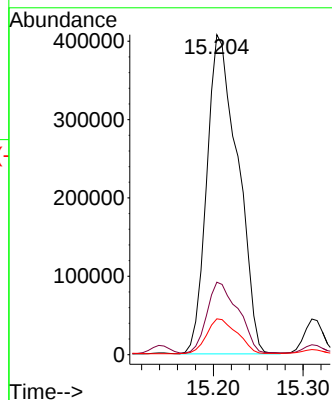
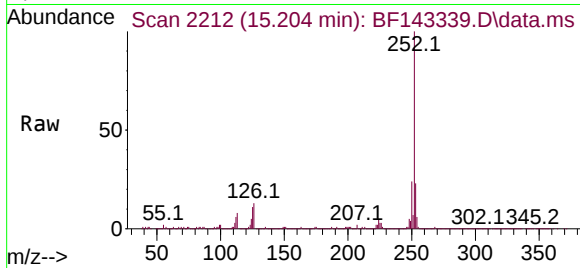
Tgt Ion:252 Resp: 976433

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 11.2 8.1 12.1



#90

Benzo(a)pyrene

Concen: 48.396 ng

RT: 15.586 min Scan# 2277

Delta R.T. 0.024 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

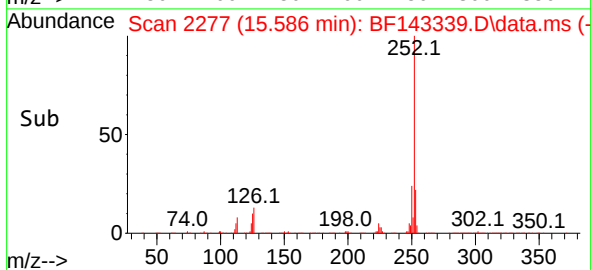
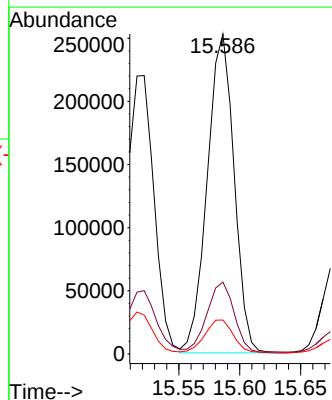
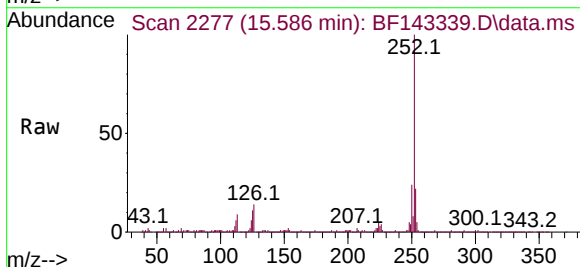
Tgt Ion:252 Resp: 387409

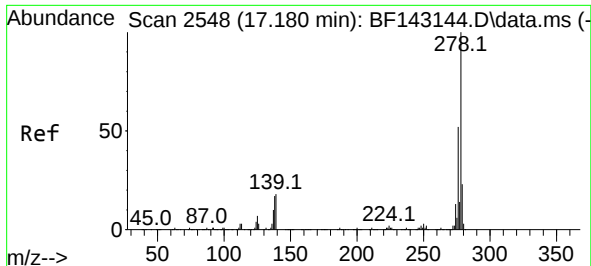
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 10.6 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 2.145 ng

RT: 17.139 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Instrument :

BNA_F

ClientSampleId :

256

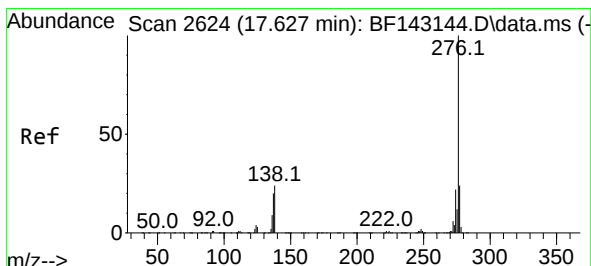
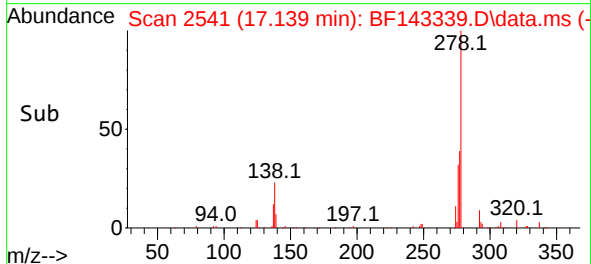
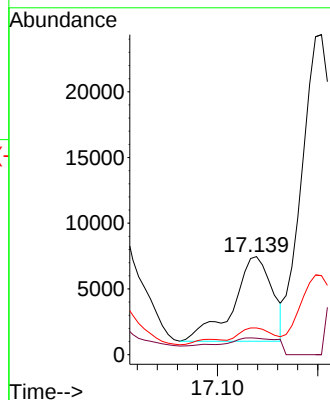
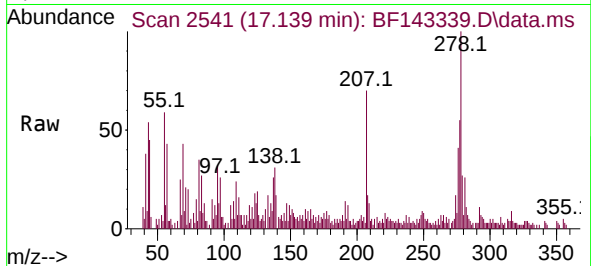
Tgt Ion:278 Resp: 17512

Ion Ratio Lower Upper

278 100

139 16.9 14.1 21.1

279 27.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 31.859 ng

RT: 17.668 min Scan# 2631

Delta R.T. 0.041 min

Lab File: BF143339.D

Acq: 06 Aug 2025 19:38

Tgt Ion:276 Resp: 251550

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 21.7 18.9 28.3

