

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143171.D
 Acq On : 21 Jul 2025 15:00
 Operator : RC/JU
 Sample : Q2651-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 2-1

Quant Time: Jul 21 15:37:40 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)

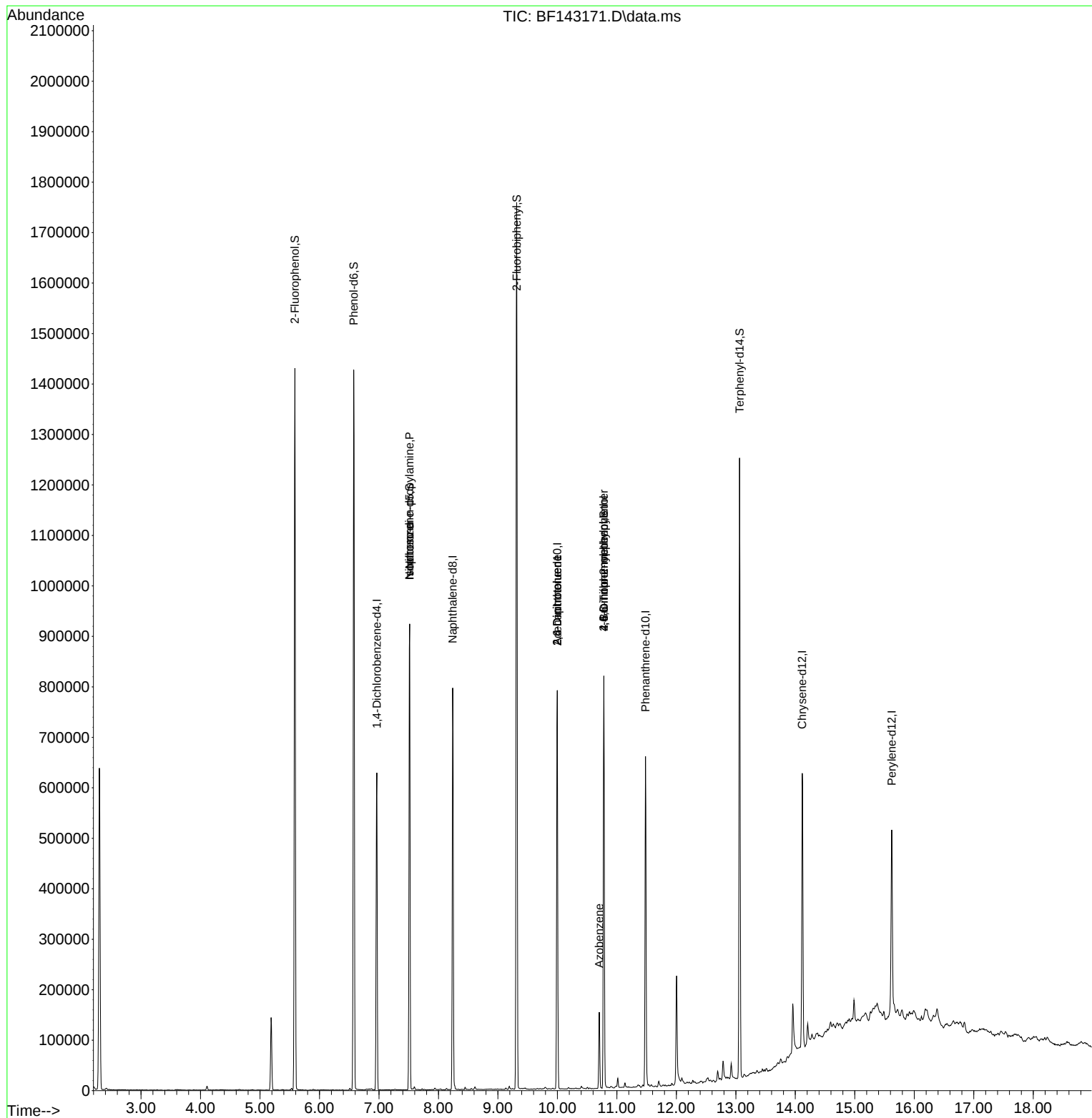
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	127351	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	470127	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	227330	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	319814	20.000	ng	0.00
76) Chrysene-d12	14.116	240	263132	20.000	ng	0.00
86) Perylene-d12	15.621	264	208785	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	496893	61.744	ng	0.00
7) Phenol-d6	6.575	99	627404	61.939	ng	-0.01
23) Nitrobenzene-d5	7.516	82	386546	40.985	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	133163	56.703	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	741303	44.597	ng	0.00
79) Terphenyl-d14	13.063	244	565237	31.966	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	51809	7.972	ng	# 78
25) Isophorone	7.516	82	385100	23.130	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	29408	9.756	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29408	7.776	ng	# 21
63) Azobenzene	10.704	77	36734	2.406	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	233	5.536	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	8250	2.165	ng	# 1

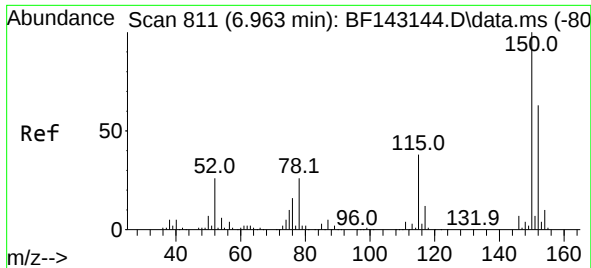
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
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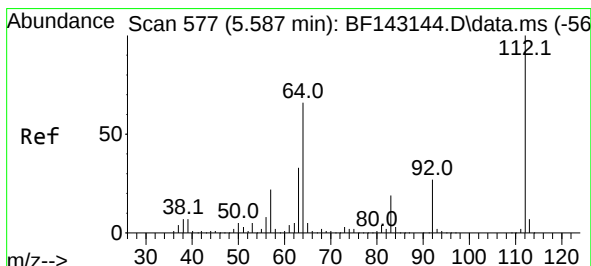
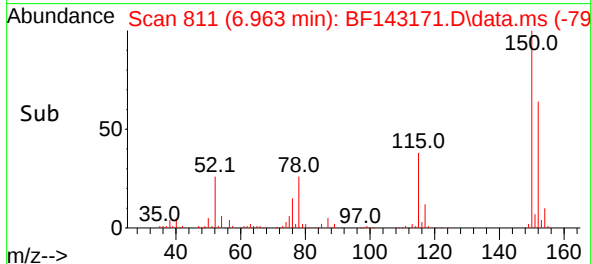
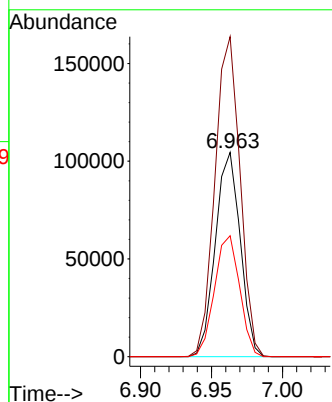
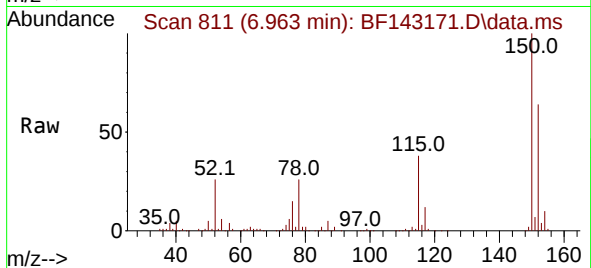




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

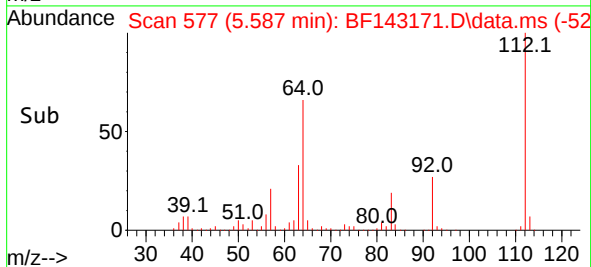
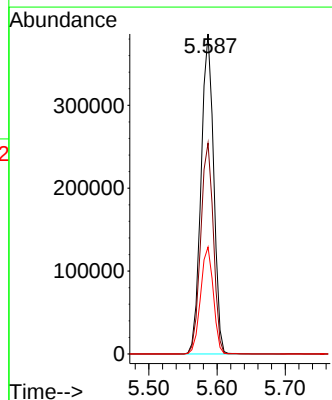
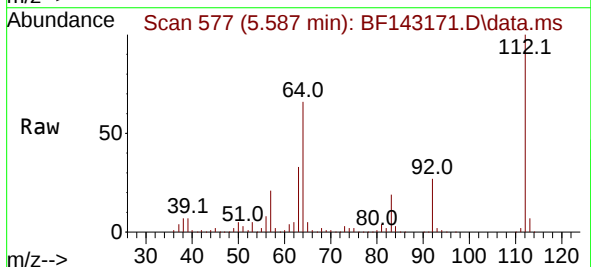
Instrument :
BNA_F
ClientSampleId :
MH 2-1

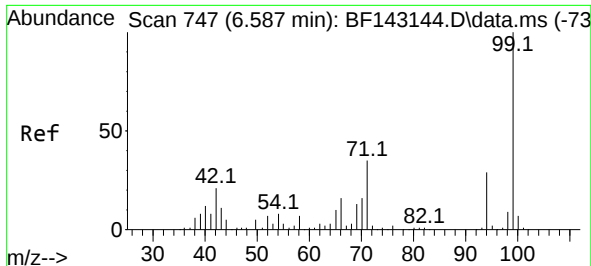
Tgt Ion:152 Resp: 127351
Ion Ratio Lower Upper
152 100
150 156.6 128.2 192.4
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 61.744 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion:112 Resp: 496893
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 33.4 26.6 40.0

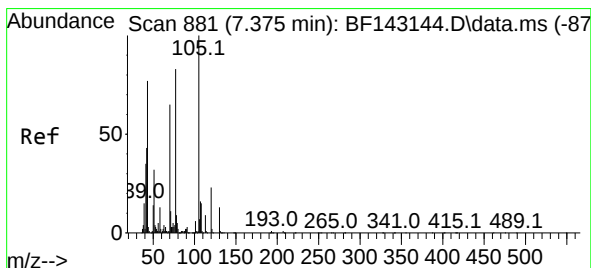
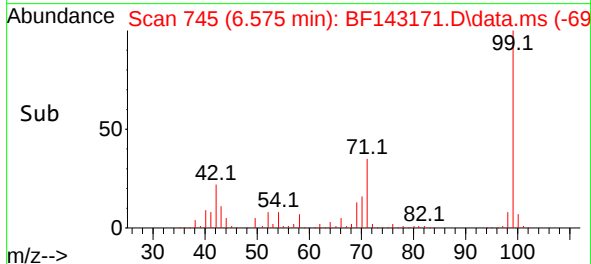
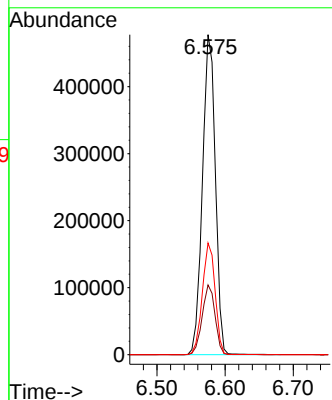
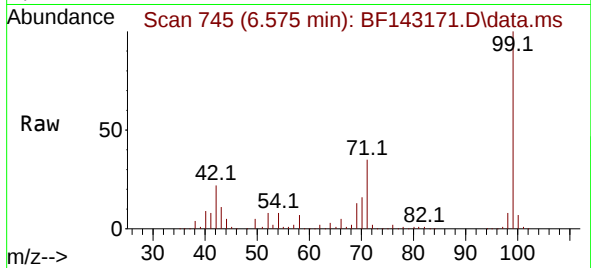




#7
Phenol-d6
Concen: 61.939 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

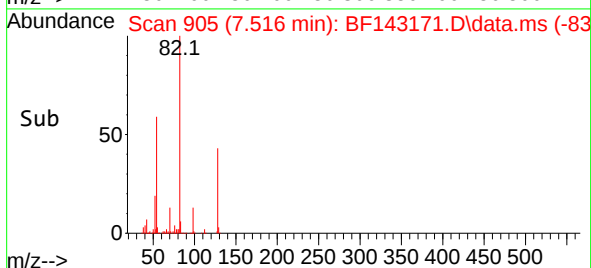
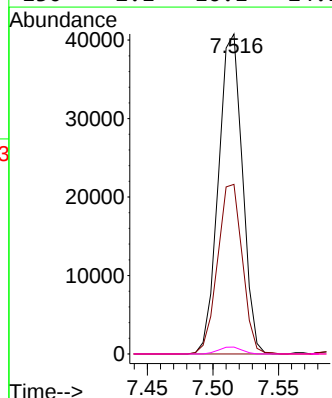
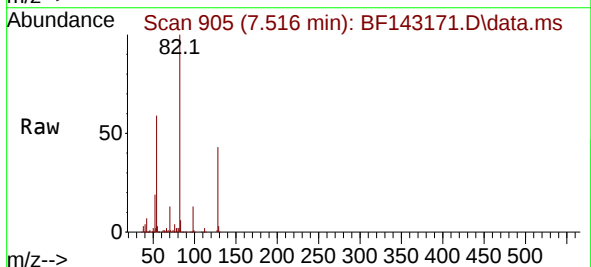
Instrument :
BNA_F
ClientSampleId :
MH 2-1

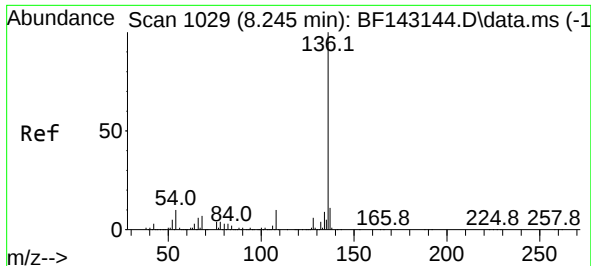
Tgt Ion: 99 Resp: 627404
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 34.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.972 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 70 Resp: 51809
Ion Ratio Lower Upper
70 100
42 53.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#



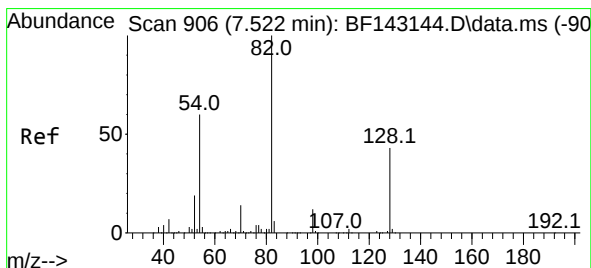
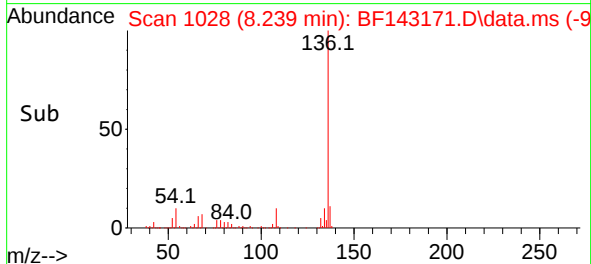
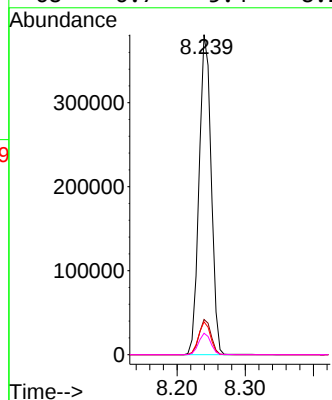
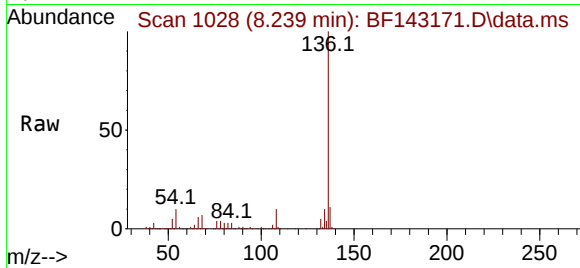


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Instrument :
BNA_F
ClientSampleId :
MH 2-1

Tgt Ion:136 Resp: 470127

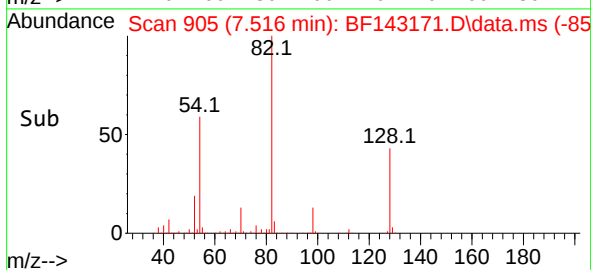
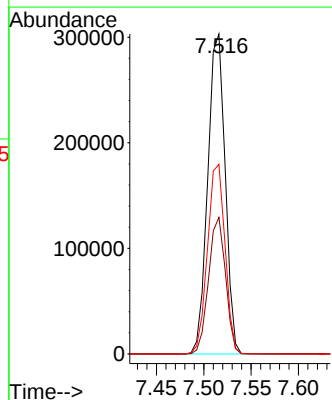
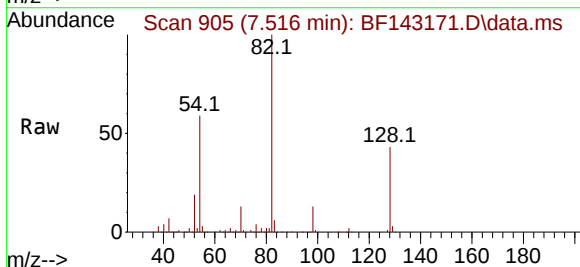
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.2	12.2
68	6.7	5.4	8.2

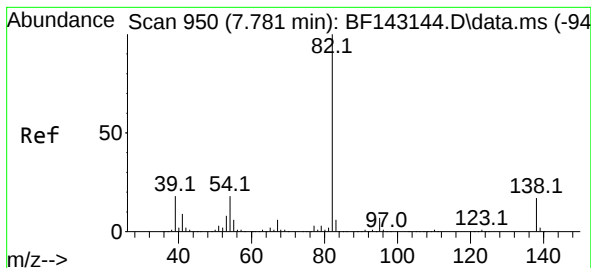


#23
Nitrobenzene-d5
Concen: 40.985 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 82 Resp: 386546

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.6	50.4
54	59.3	47.1	70.7





#25

Isophorone

Concen: 23.130 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

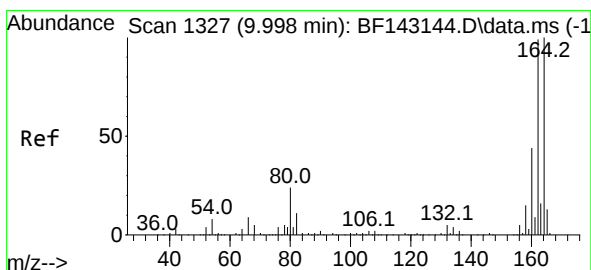
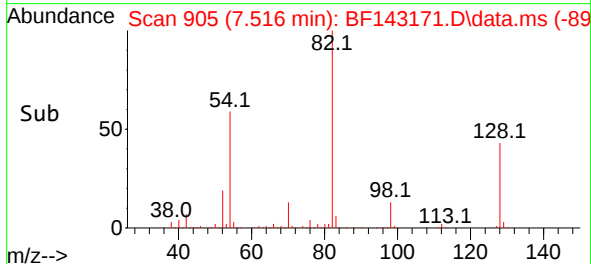
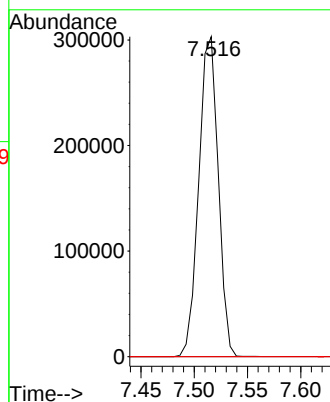
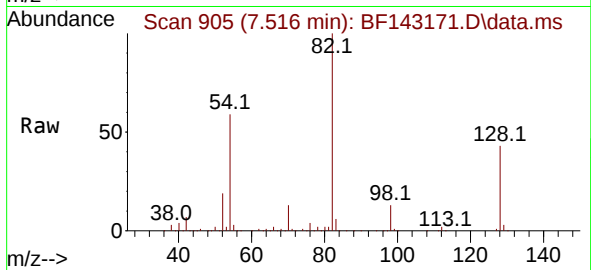
Tgt Ion: 82 Resp: 385100

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: BF143171.D

Acq: 21 Jul 2025 15:00

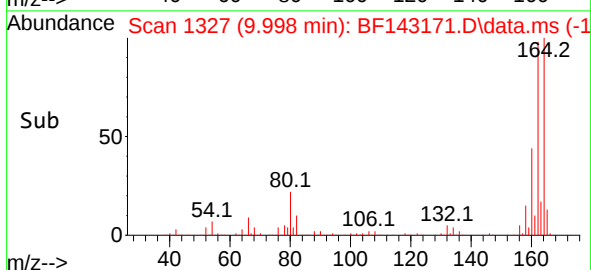
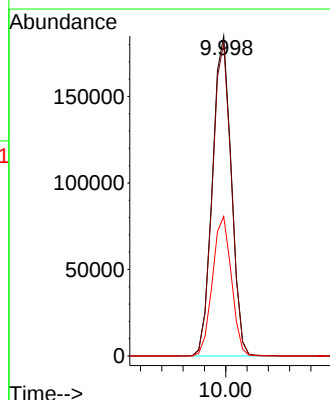
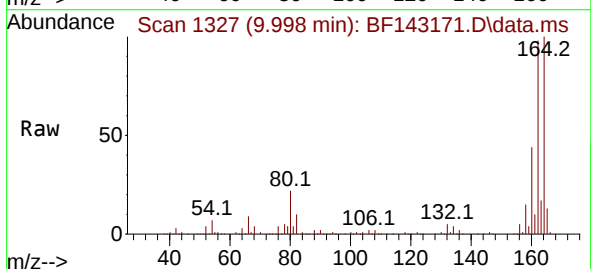
Tgt Ion:164 Resp: 227330

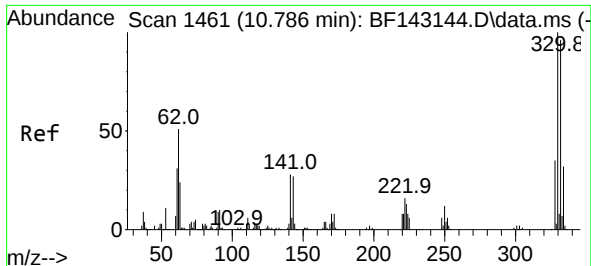
Ion Ratio Lower Upper

164 100

162 97.8 79.0 118.6

160 43.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 56.703 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

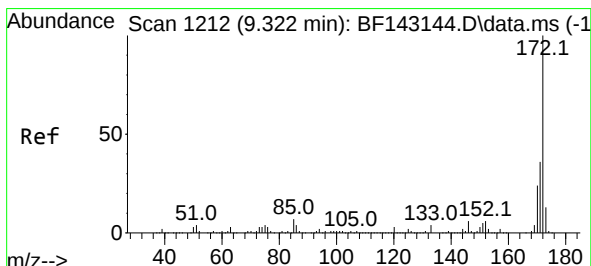
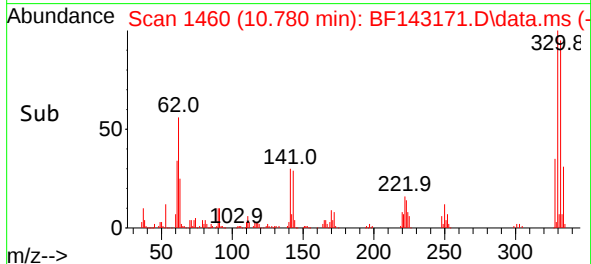
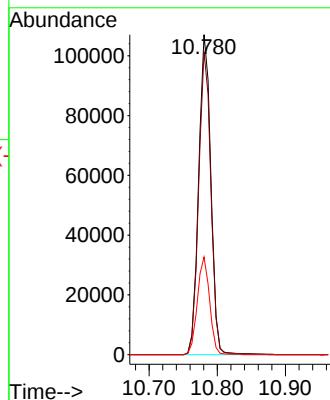
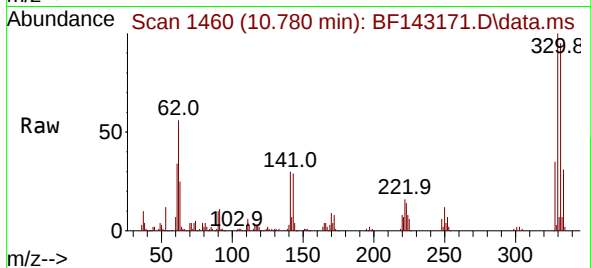
Tgt Ion:330 Resp: 133163

Ion Ratio Lower Upper

330 100

332 94.5 76.7 115.1

141 30.5 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 44.597 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

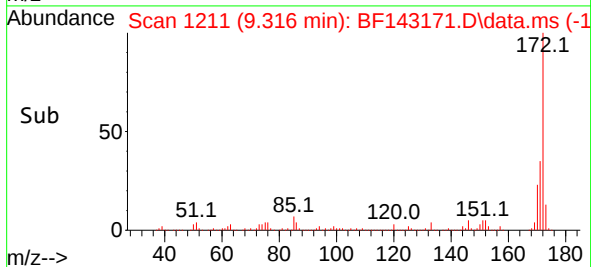
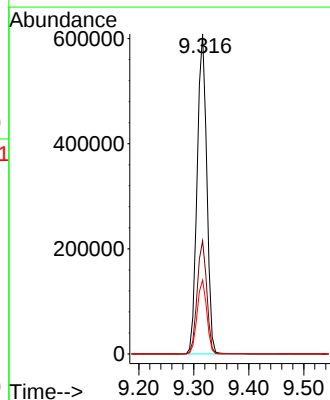
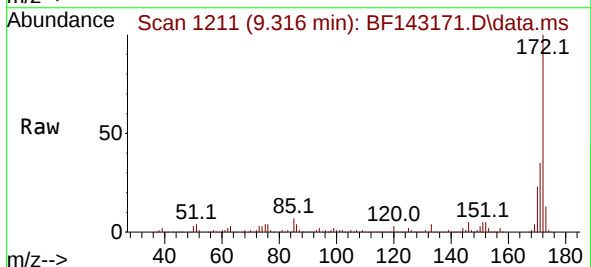
Tgt Ion:172 Resp: 741303

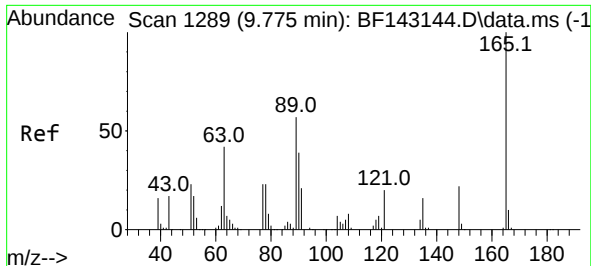
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.756 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

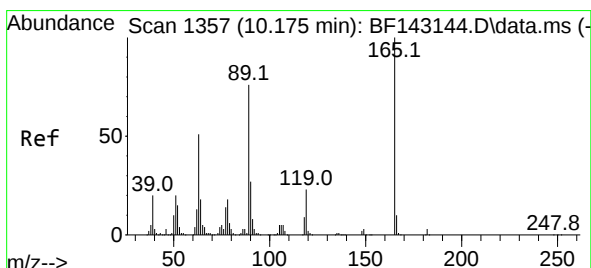
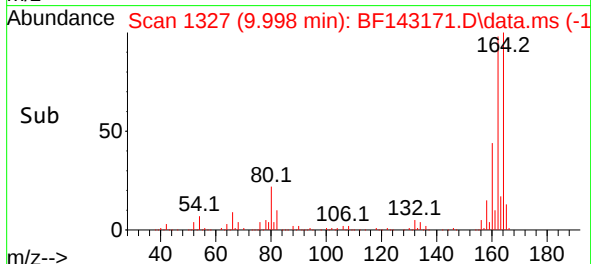
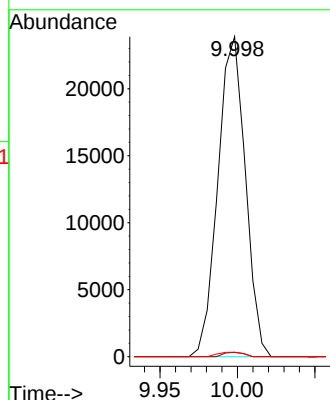
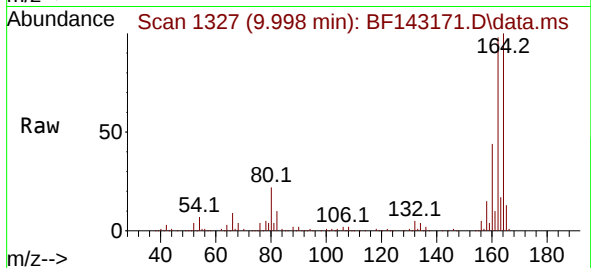
Tgt Ion:165 Resp: 29408

Ion Ratio Lower Upper

165 100

63 1.4 49.4 74.2#

89 1.4 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.776 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.176 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Tgt Ion:165 Resp: 29408

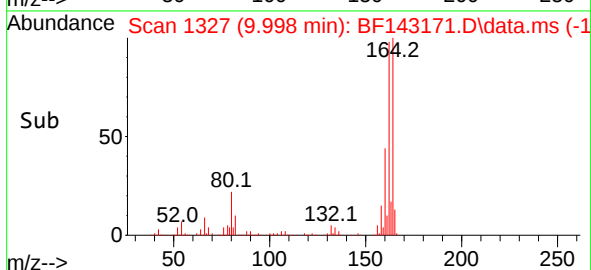
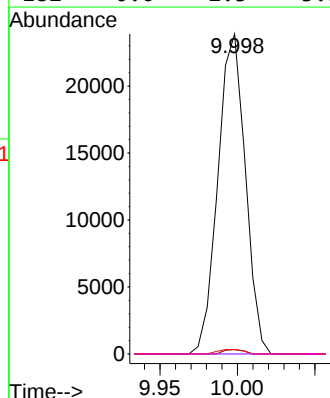
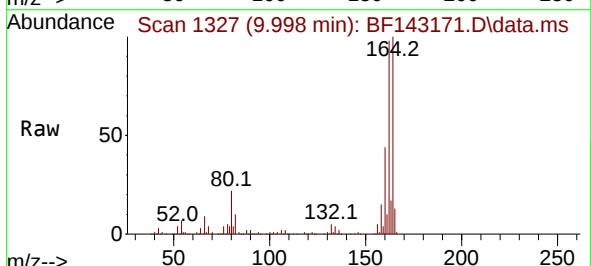
Ion Ratio Lower Upper

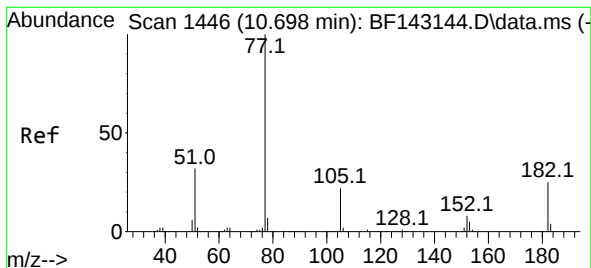
165 100

63 1.4 41.0 61.4#

89 1.4 61.1 91.7#

182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.406 ng

RT: 10.704 min Scan# 1446

Delta R.T. 0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

Tgt Ion: 77 Resp: 36734

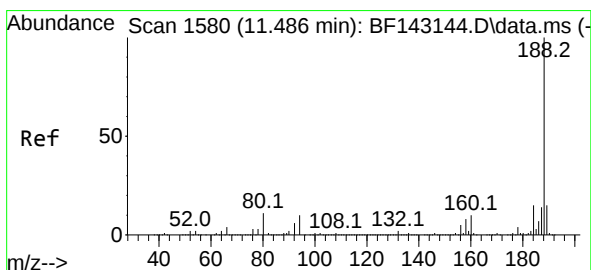
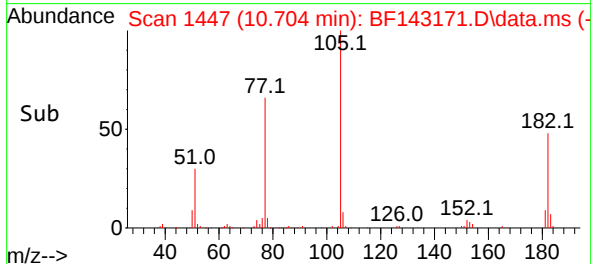
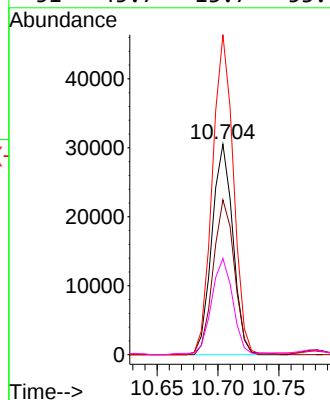
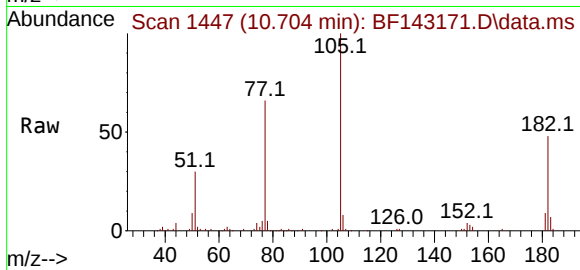
Ion Ratio Lower Upper

77 100

182 73.6 4.6 44.6#

105 152.1 1.4 41.4#

51 45.7 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

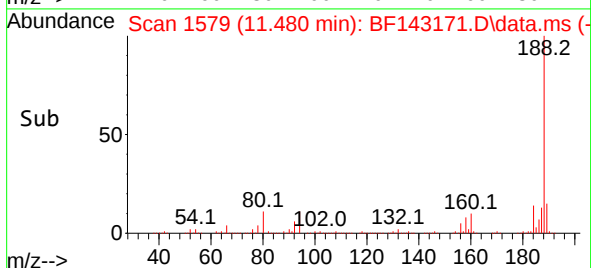
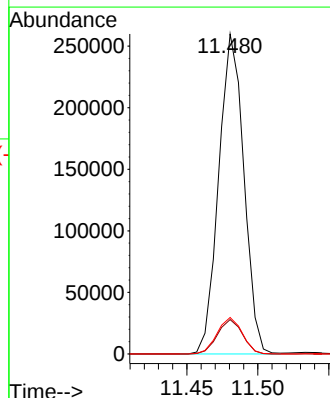
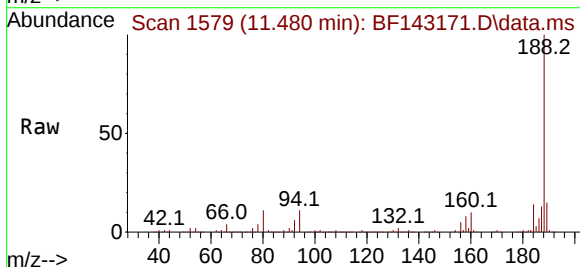
Tgt Ion: 188 Resp: 319814

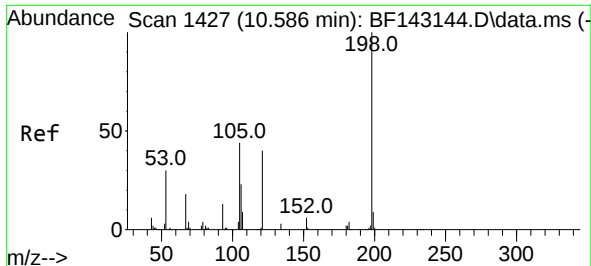
Ion Ratio Lower Upper

188 100

94 10.7 8.3 12.5

80 11.4 9.0 13.6

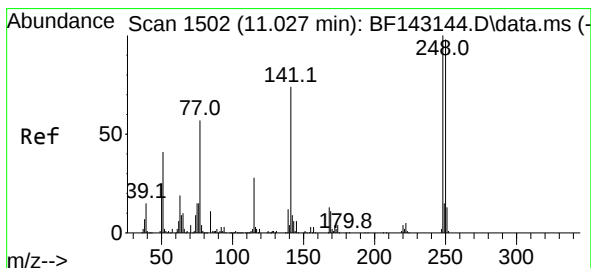
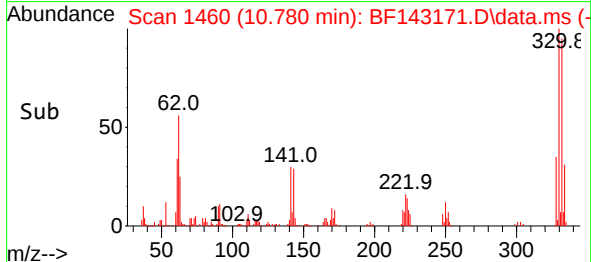
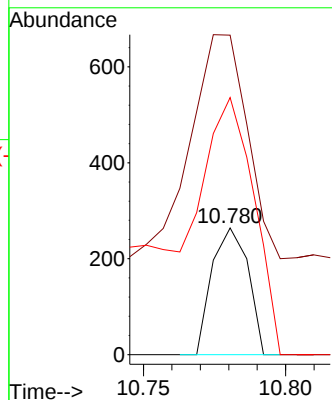
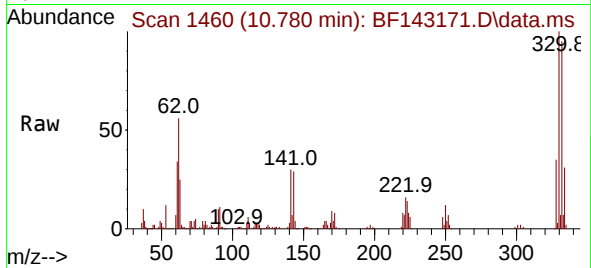




#65
4,6-Dinitro-2-methylphenol
Concen: 5.536 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

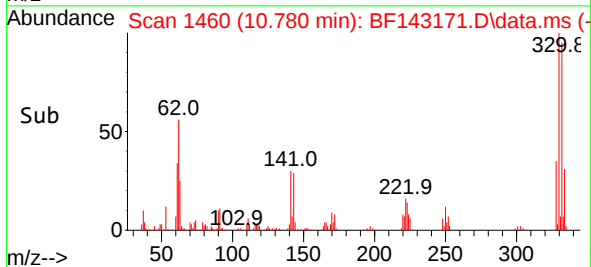
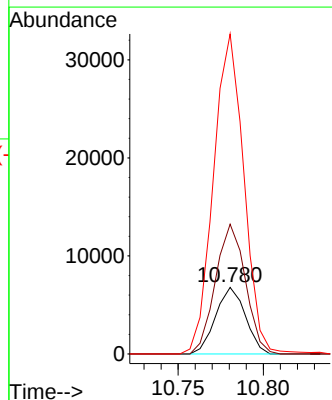
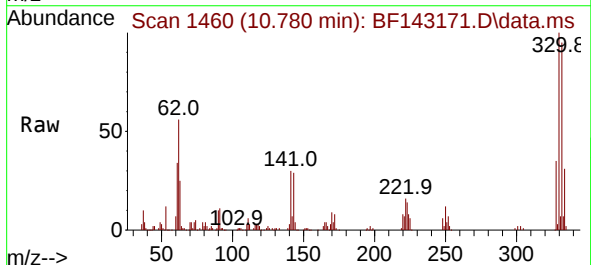
Instrument :
BNA_F
ClientSampleId :
MH 2-1

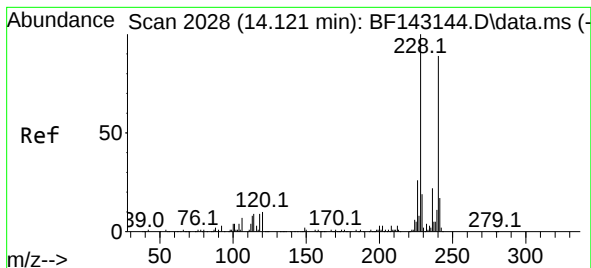
Tgt Ion:198 Resp: 233
Ion Ratio Lower Upper
198 100
51 252.3 37.2 77.2#
105 203.0 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.165 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion:248 Resp: 8250
Ion Ratio Lower Upper
248 100
250 194.7 78.3 117.5#
141 480.2 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.116 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

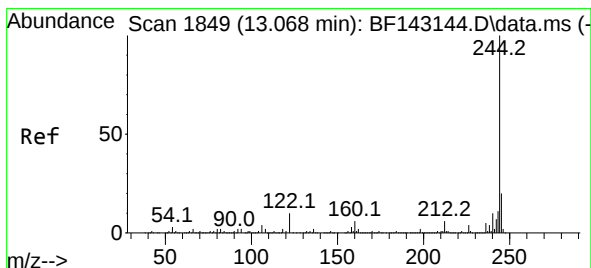
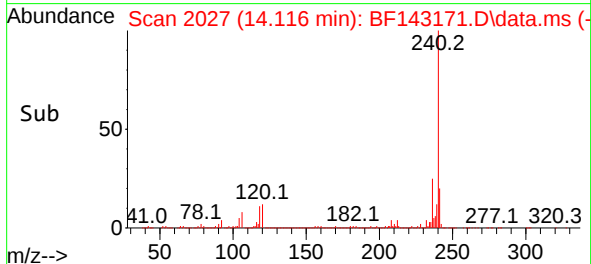
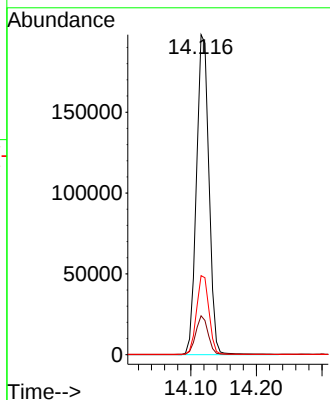
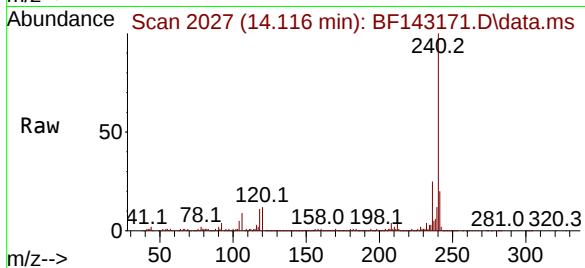
Tgt Ion:240 Resp: 263132

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

236 24.7 20.2 30.4



#79

Terphenyl-d14

Concen: 31.966 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

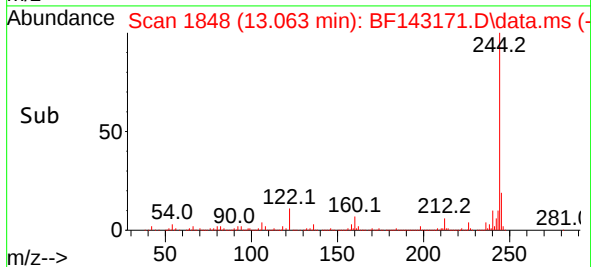
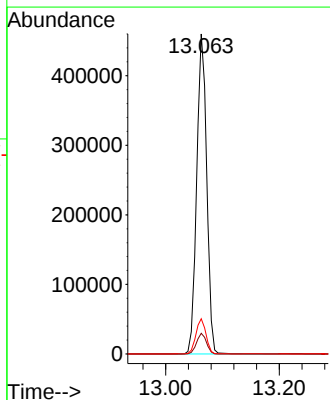
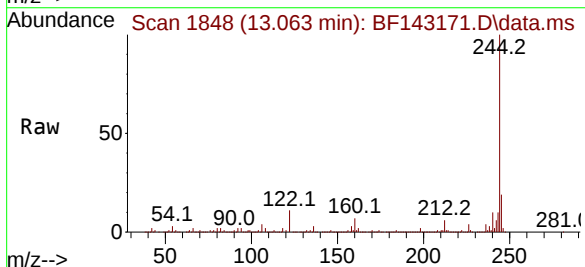
Tgt Ion:244 Resp: 565237

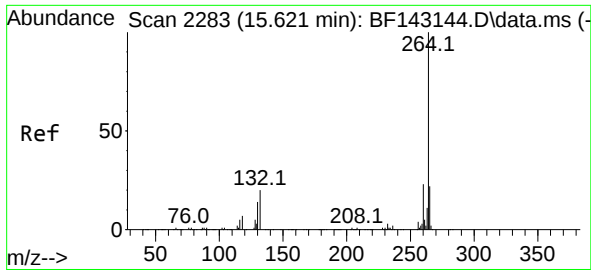
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

Tgt Ion:264 Resp: 208785

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.6 17.4 26.2

