

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143224.D
 Acq On : 24 Jul 2025 10:29
 Operator : RC/JU
 Sample : PB168981BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168981BL

Quant Time: Jul 24 11:11:21 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)

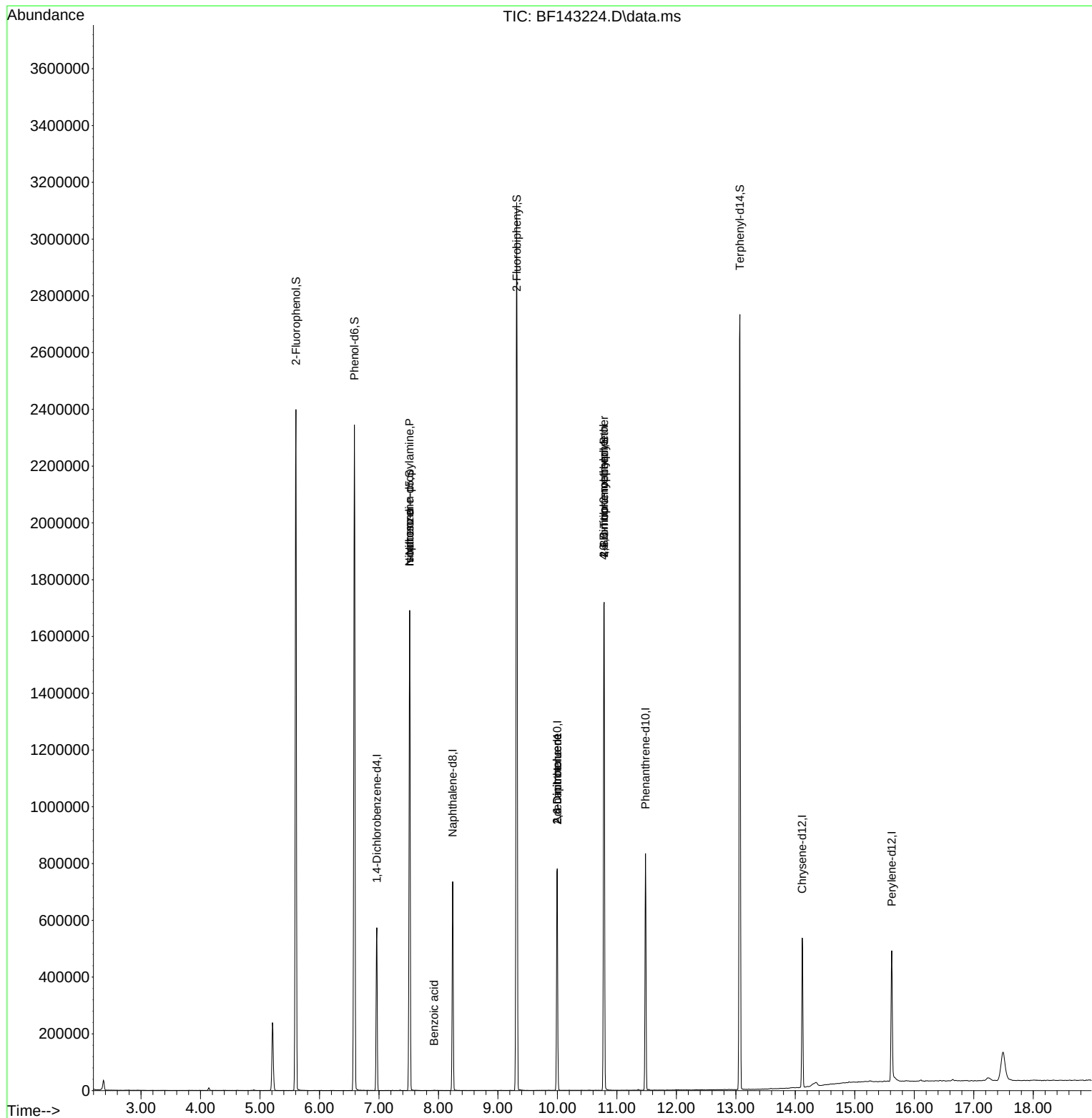
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	118118	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	453305	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	238177	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	409139	20.000	ng	0.00
76) Chrysene-d12	14.115	240	251281	20.000	ng	0.00
86) Perylene-d12	15.621	264	267277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	910272	121.952	ng	0.02
7) Phenol-d6	6.587	99	1148745	122.271	ng	0.00
23) Nitrobenzene-d5	7.516	82	772554	84.953	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	319886	130.008	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1430208	82.123	ng	0.00
79) Terphenyl-d14	13.069	244	1389076	82.262	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	104790	17.385	ng	# 78
25) Isophorone	7.516	82	768599	47.877	ng	# 66
32) Benzoic acid	7.928	122	371	5.256	ng	# 69
51) 2,6-Dinitrotoluene	9.998	165	30478	9.650	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	30478	7.692	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.780	198	654	5.683	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19601	4.020	ng	# 1

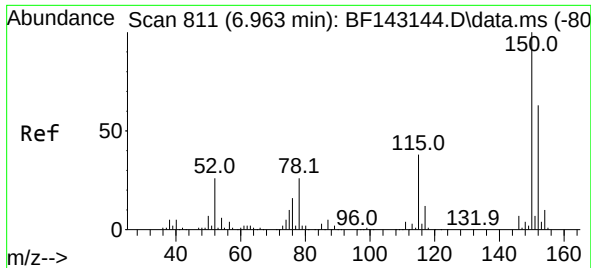
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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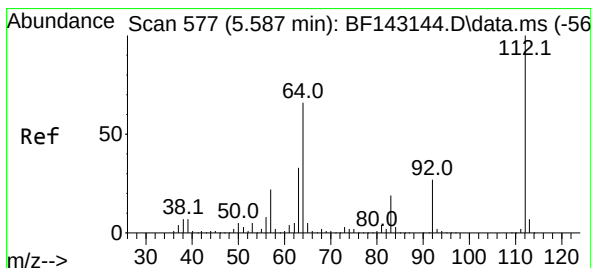
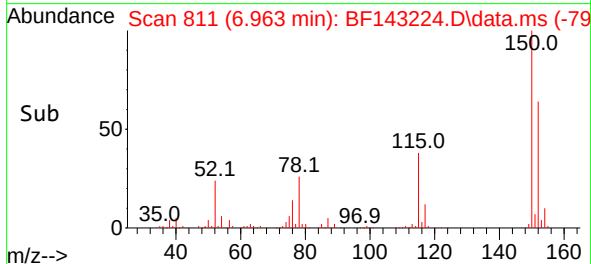
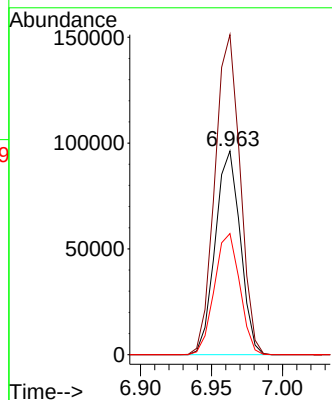
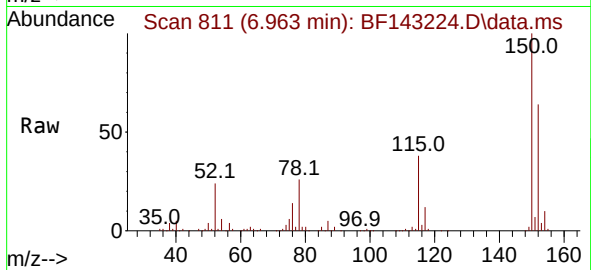




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

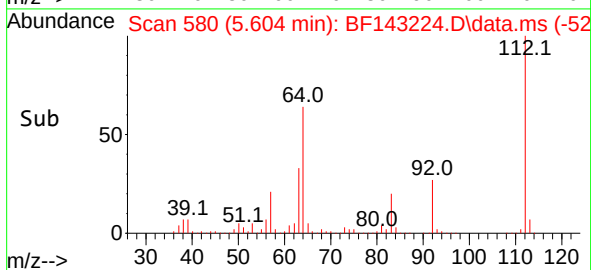
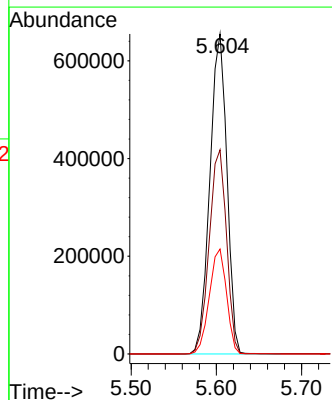
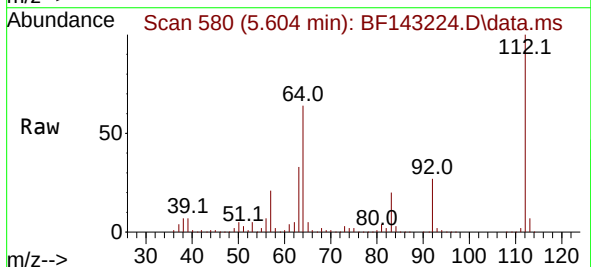
Instrument :
BNA_F
ClientSampleId :
PB168981BL

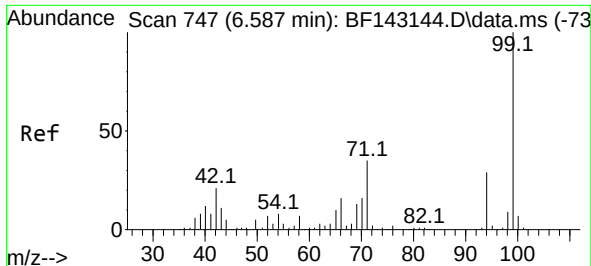
Tgt Ion:152 Resp: 118118
Ion Ratio Lower Upper
152 100
150 157.1 128.2 192.4
115 59.4 47.9 71.9



#5
2-Fluorophenol
Concen: 121.952 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

Tgt Ion:112 Resp: 910272
Ion Ratio Lower Upper
112 100
64 63.8 53.1 79.7
63 32.8 26.6 40.0

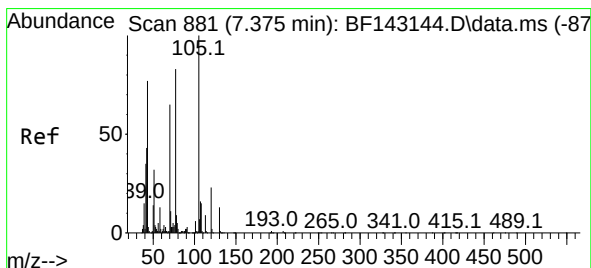
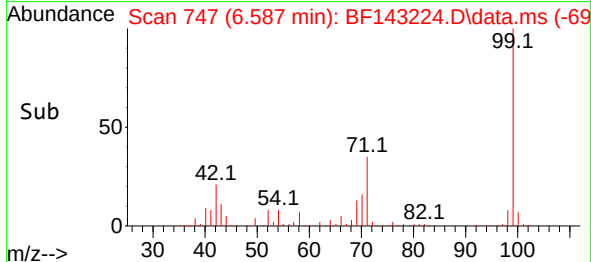
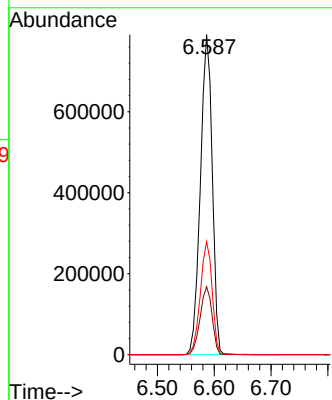
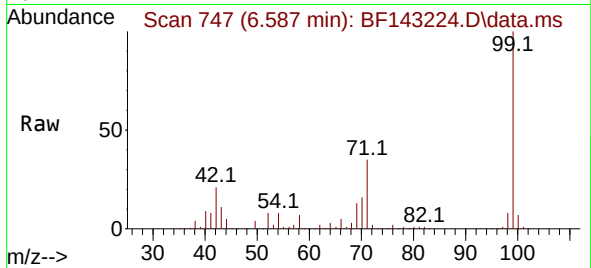




#7
Phenol-d6
Concen: 122.271 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

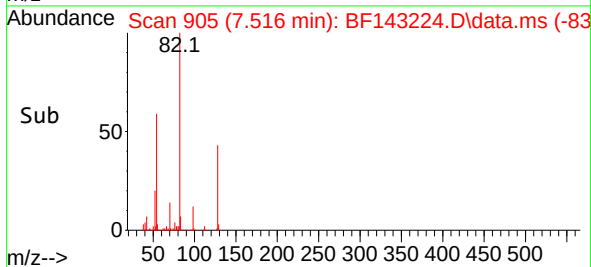
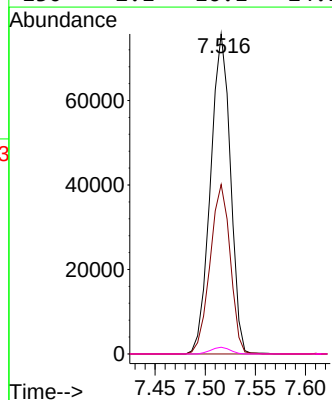
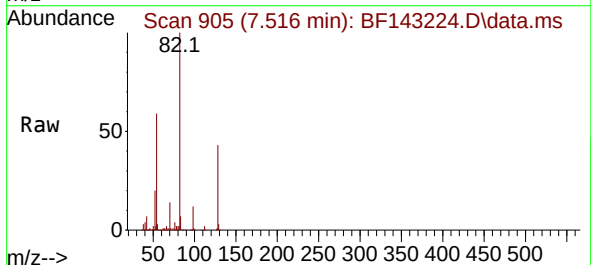
Instrument :
BNA_F
ClientSampleId :
PB168981BL

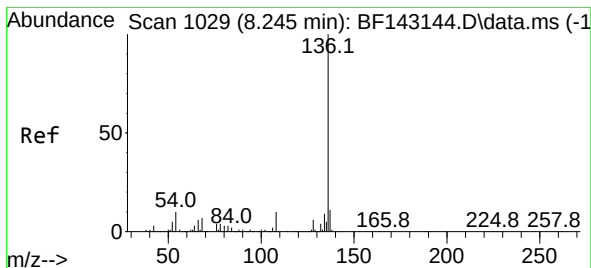
Tgt Ion: 99 Resp: 1148745
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 35.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.385 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

Tgt Ion: 70 Resp: 104790
Ion Ratio Lower Upper
70 100
42 52.9 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: BF143224.D

Acq: 24 Jul 2025 10:29

Instrument :

BNA_F

ClientSampleId :

PB168981BL

Tgt Ion:136 Resp: 453305

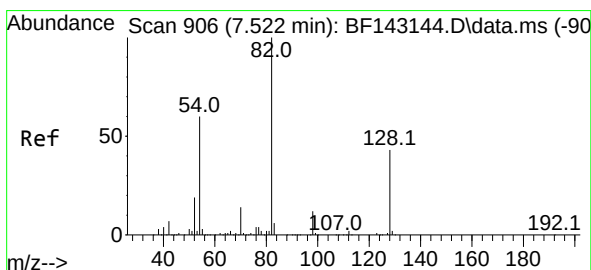
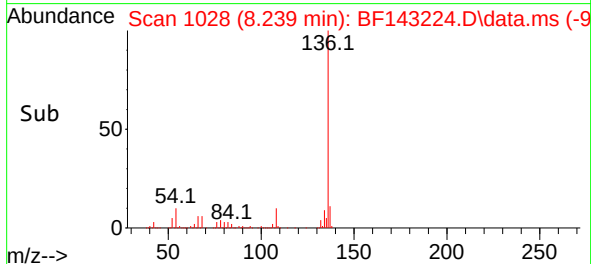
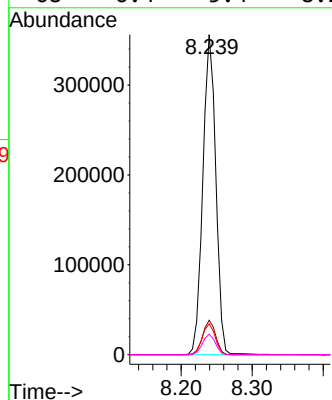
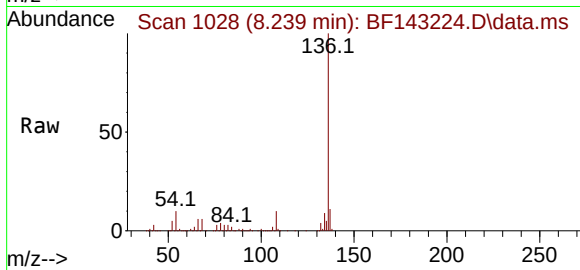
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.6 8.2 12.2

68 6.4 5.4 8.2



#23

Nitrobenzene-d5

Concen: 84.953 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

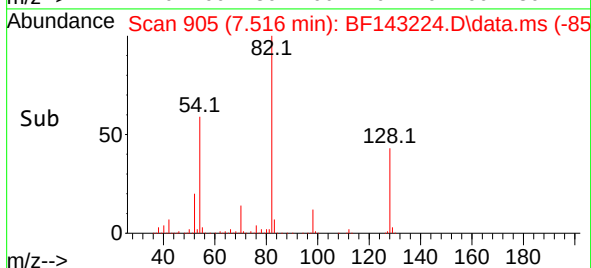
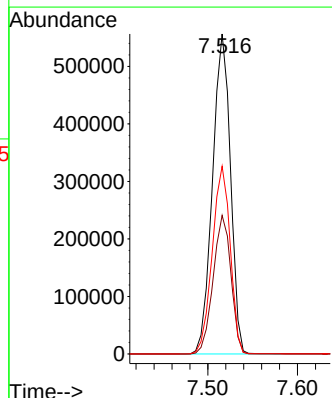
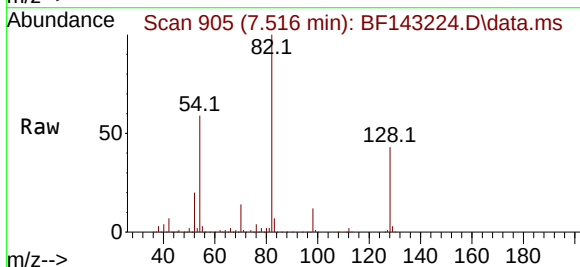
Tgt Ion: 82 Resp: 772554

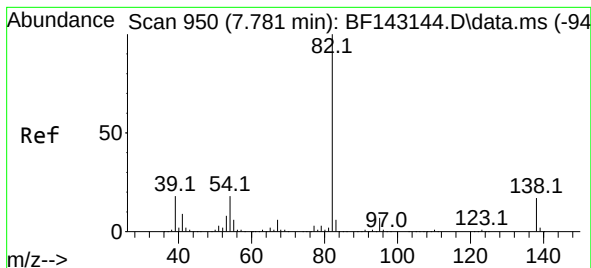
Ion Ratio Lower Upper

82 100

128 43.3 33.6 50.4

54 58.6 47.1 70.7





#25

Isophorone

Concen: 47.877 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

Instrument :

BNA_F

ClientSampleId :

PB168981BL

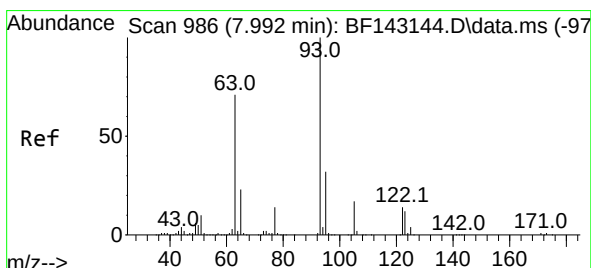
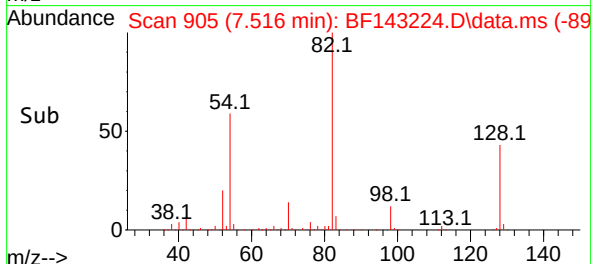
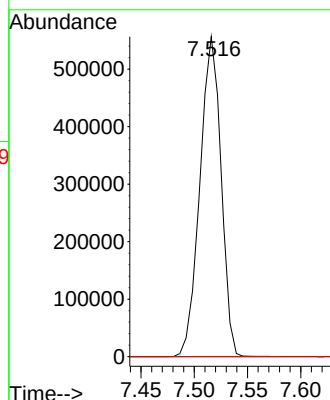
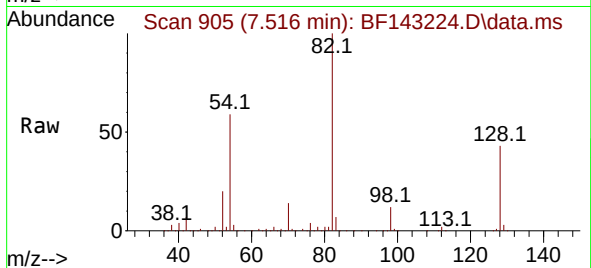
Tgt Ion: 82 Resp: 768599

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#



#32

Benzoic acid

Concen: 5.256 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.064 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

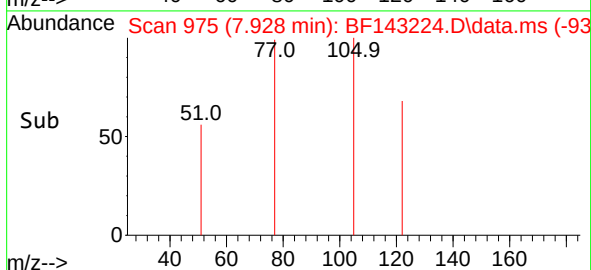
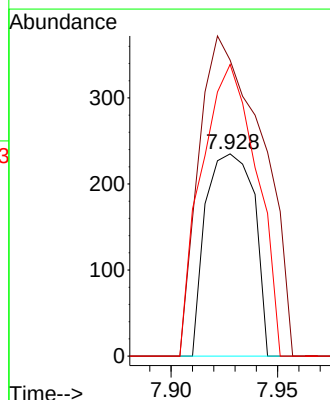
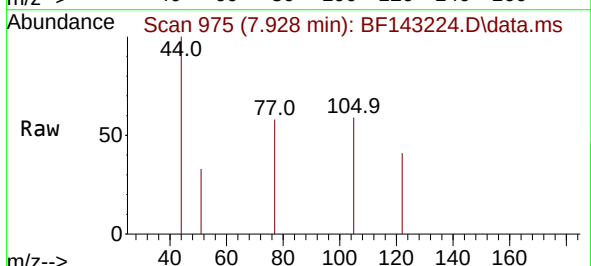
Tgt Ion:122 Resp: 371

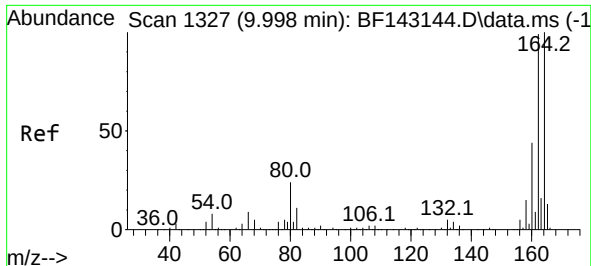
Ion Ratio Lower Upper

122 100

105 146.4 104.8 144.8#

77 144.3 77.6 117.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

Instrument :

BNA_F

ClientSampleId :

PB168981BL

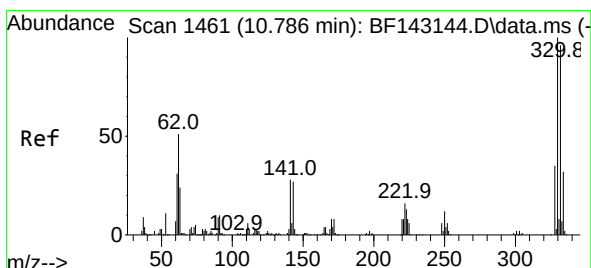
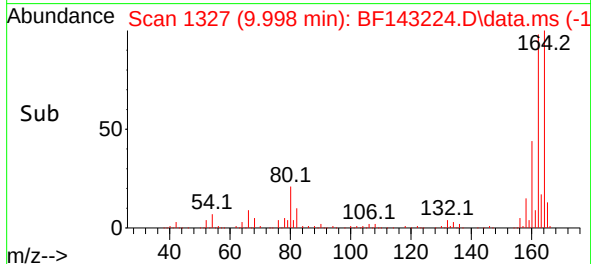
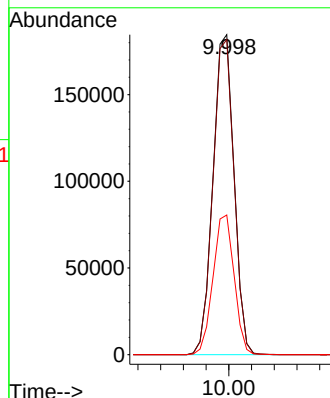
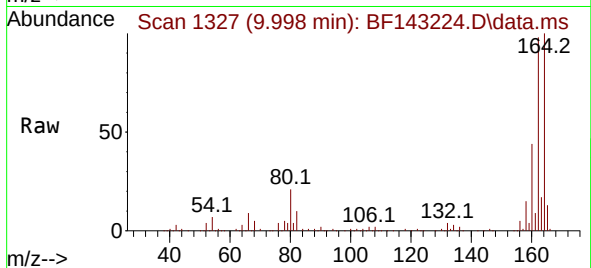
Tgt Ion:164 Resp: 238177

Ion Ratio Lower Upper

164 100

162 98.4 79.0 118.6

160 43.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 130.008 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

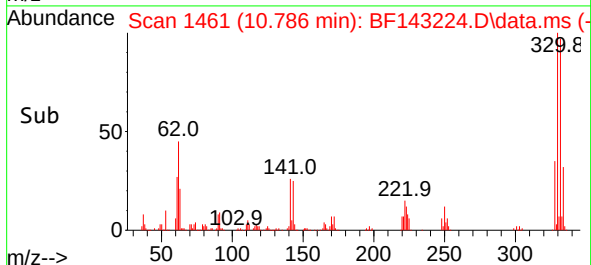
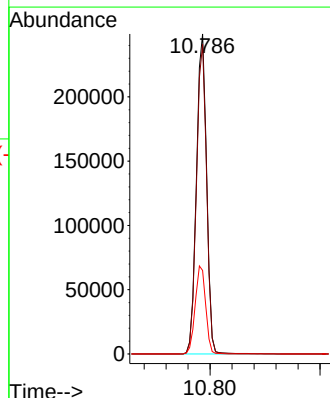
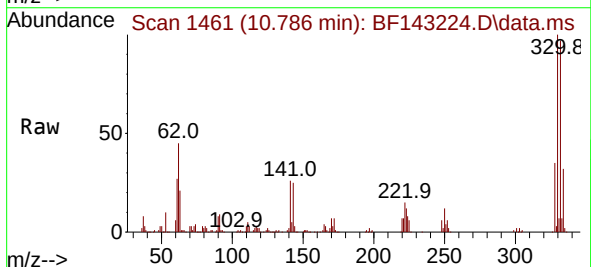
Tgt Ion:330 Resp: 319886

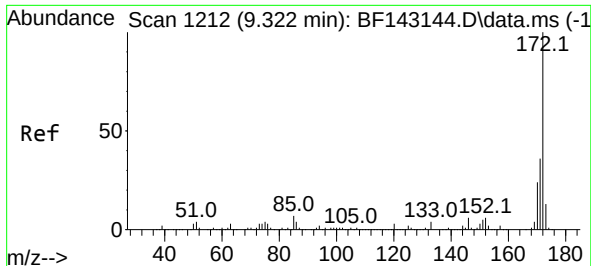
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 28.2 23.3 34.9

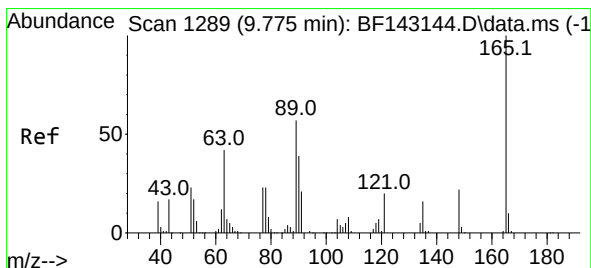
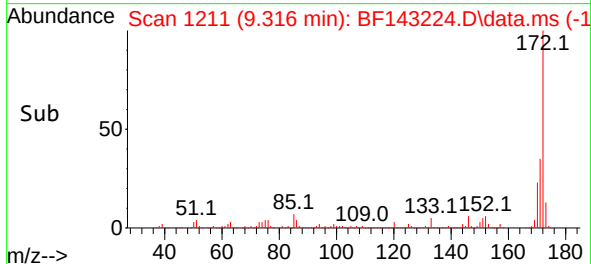
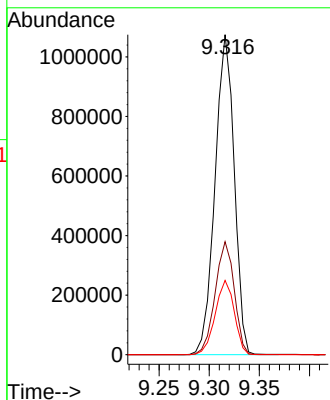
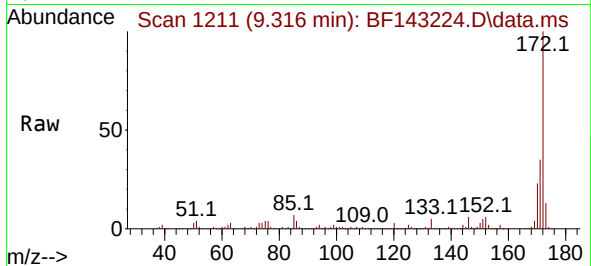




#45
2-Fluorobiphenyl
Concen: 82.123 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

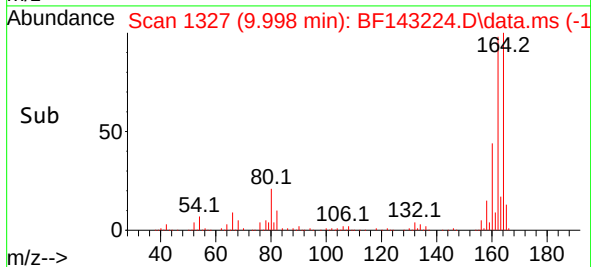
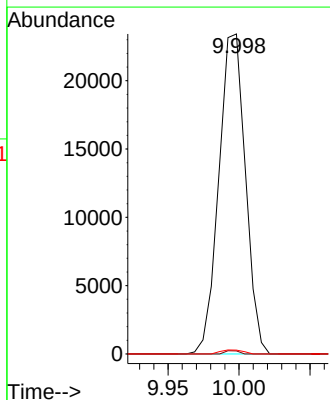
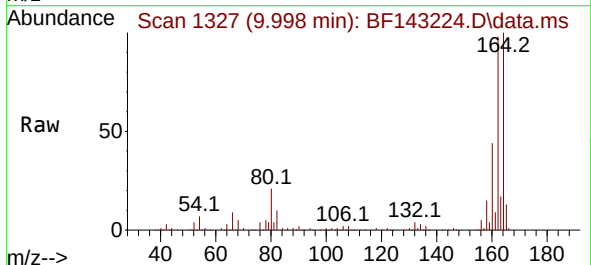
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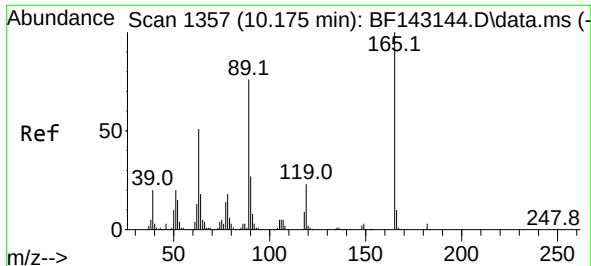
Tgt Ion:172 Resp: 1430208
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.650 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

Tgt Ion:165 Resp: 30478
Ion Ratio Lower Upper
165 100
63 1.0 49.4 74.2#
89 1.2 46.2 69.2#

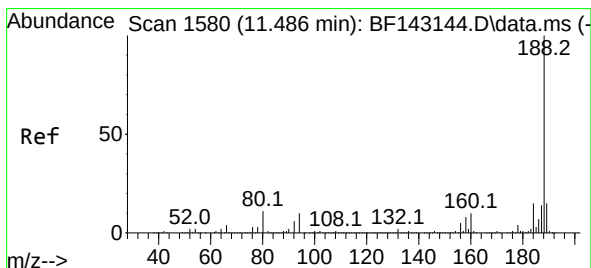
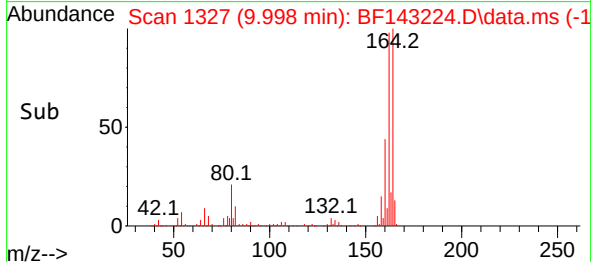
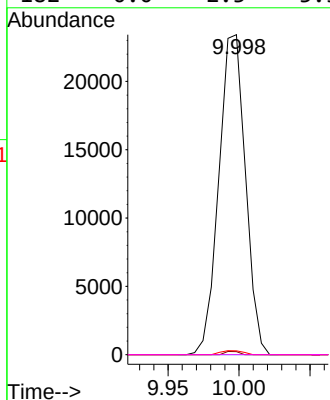
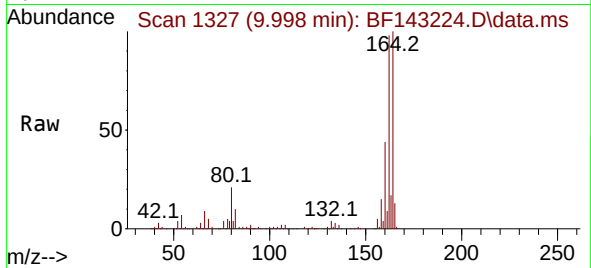




#57
2,4-Dinitrotoluene
Concen: 7.692 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

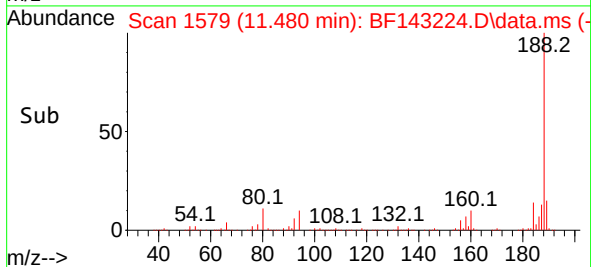
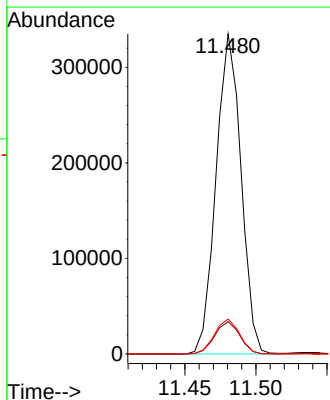
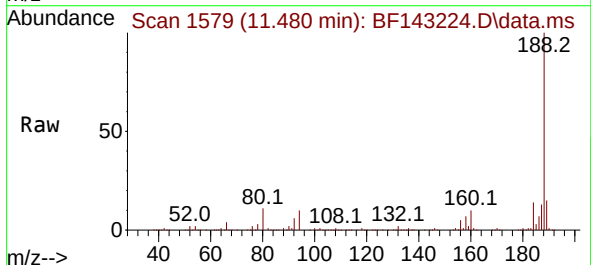
Instrument :
BNA_F
ClientSampleId :
PB168981BL

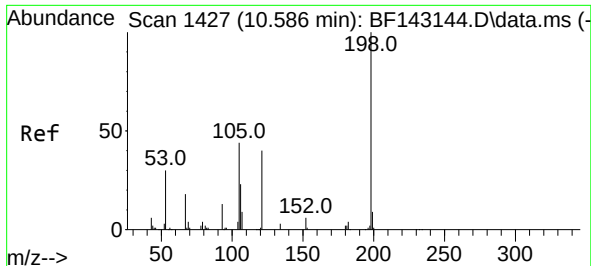
Tgt Ion:165 Resp: 30478
Ion Ratio Lower Upper
165 100
63 1.0 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

Tgt Ion:188 Resp: 409139
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.9 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 5.683 ng

RT: 10.780 min Scan# 1460

Delta R.T. 0.194 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

Instrument :

BNA_F

ClientSampleId :

PB168981BL

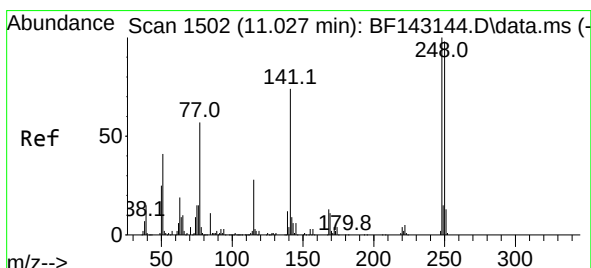
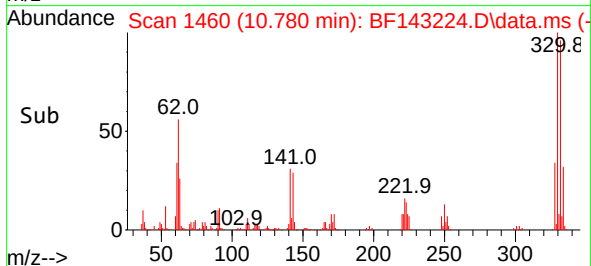
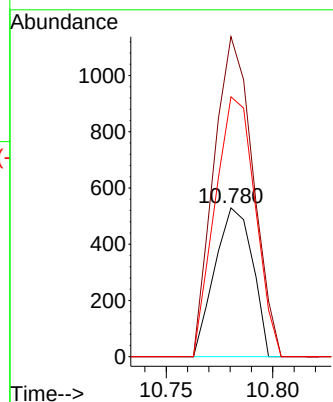
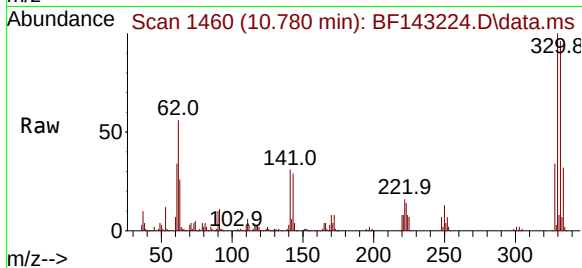
Tgt Ion:198 Resp: 654

Ion Ratio Lower Upper

198 100

51 215.1 37.2 77.2#

105 174.7 24.8 64.8#



#67

4-Bromophenyl-phenylether

Concen: 4.020 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.241 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

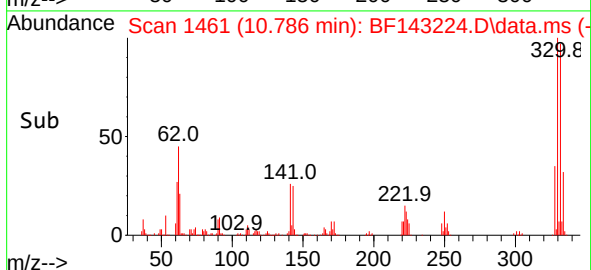
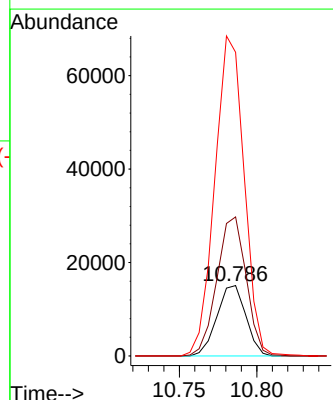
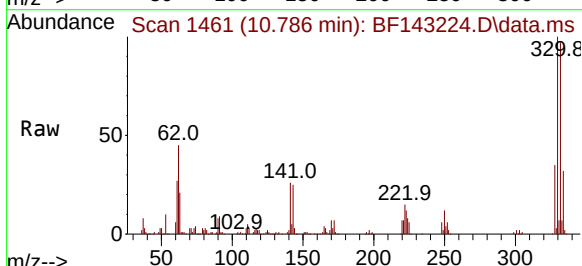
Tgt Ion:248 Resp: 19601

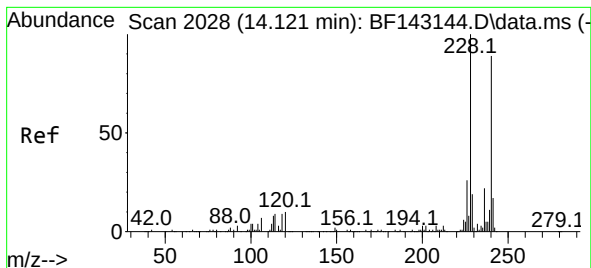
Ion Ratio Lower Upper

248 100

250 197.5 78.3 117.5#

141 431.3 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

Instrument :

BNA_F

ClientSampleId :

PB168981BL

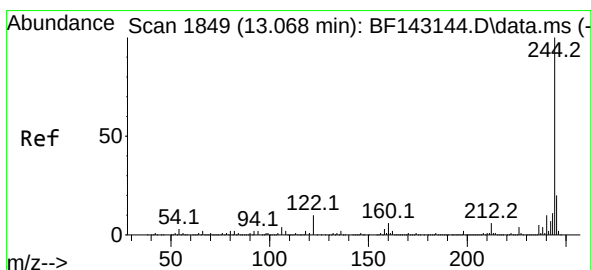
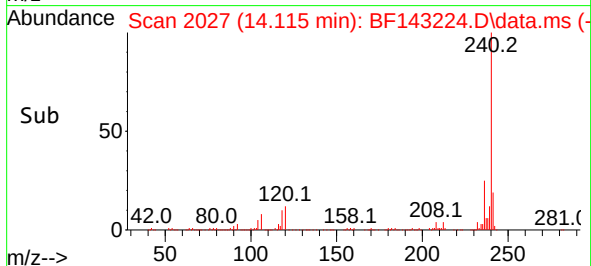
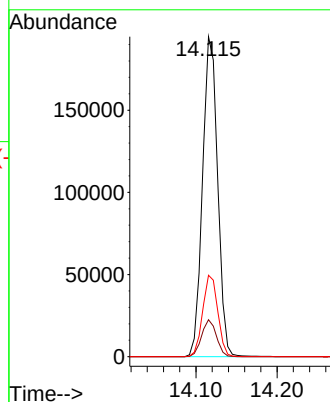
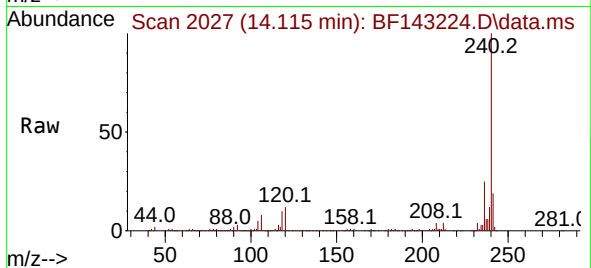
Tgt Ion:240 Resp: 251281

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 25.5 20.2 30.4



#79

Terphenyl-d14

Concen: 82.262 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143224.D

Acq: 24 Jul 2025 10:29

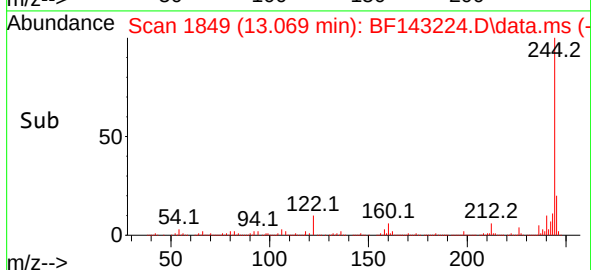
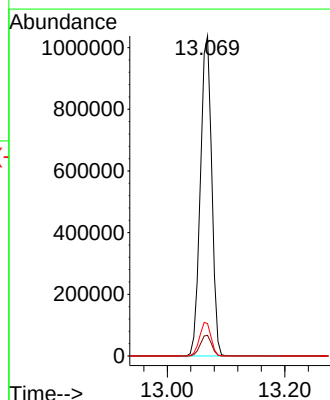
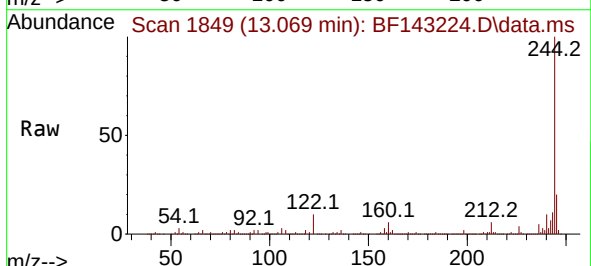
Tgt Ion:244 Resp: 1389076

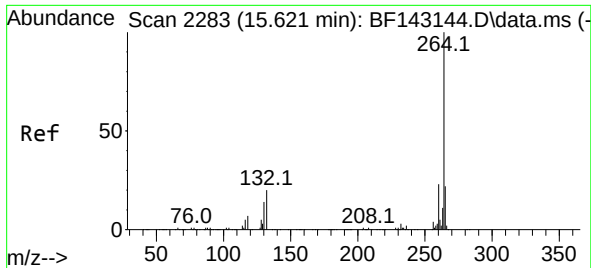
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

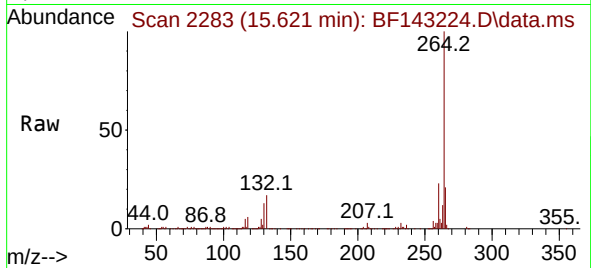
122 10.1 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143224.D
Acq: 24 Jul 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB168981BL



Tgt Ion:264 Resp: 267277

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	20.9	17.4	26.2

