

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
 Data File : BF143270.D
 Acq On : 30 Jul 2025 15:52
 Operator : RC/JU
 Sample : PB168971BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168971BL

Quant Time: Jul 30 16:21:45 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)

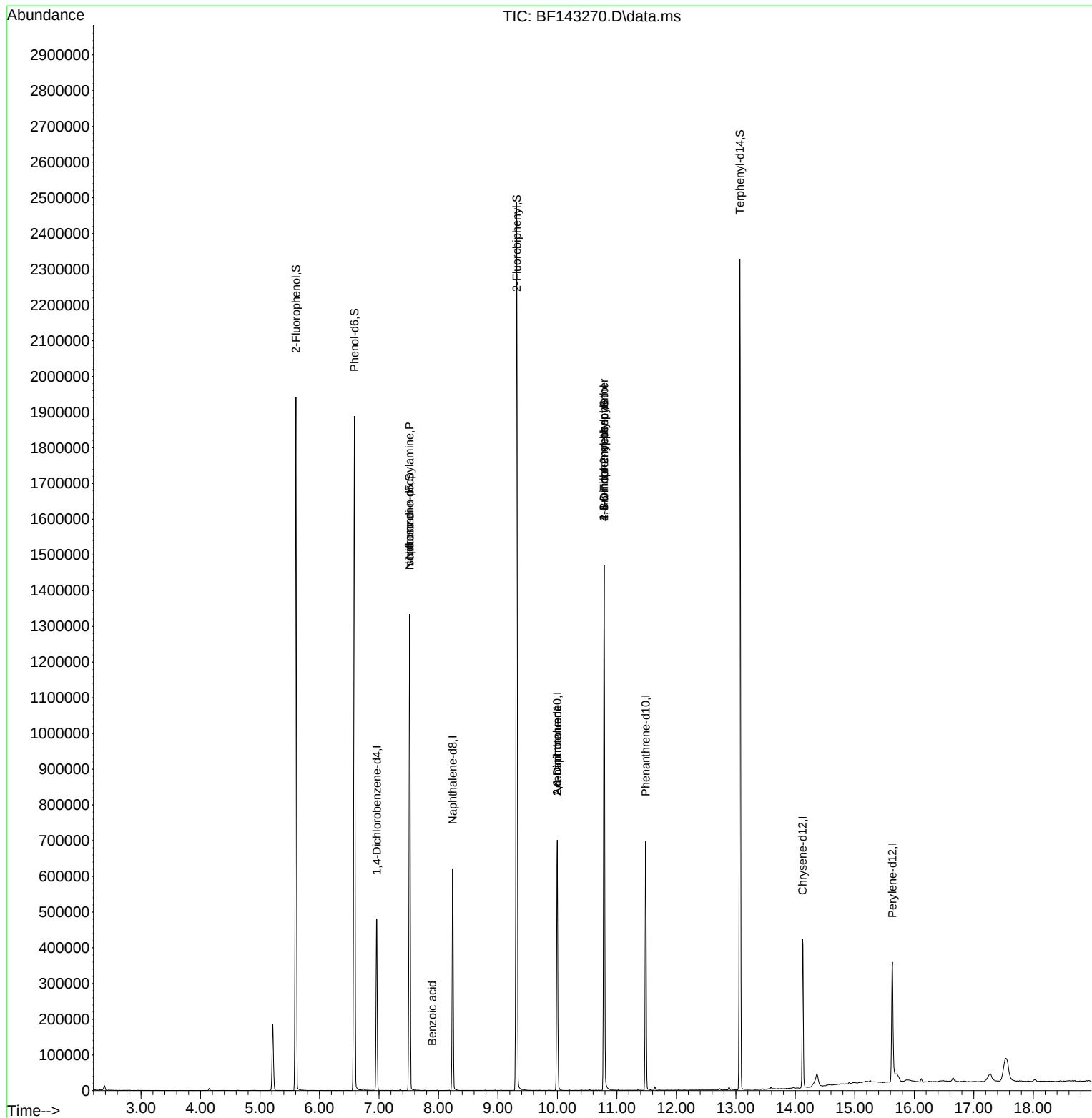
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	102425	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	398799	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	212310	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	372104	20.000	ng	0.00
76) Chrysene-d12	14.121	240	214586	20.000	ng	0.00
86) Perylene-d12	15.633	264	214112	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	715294	110.513	ng	0.02
7) Phenol-d6	6.587	99	906510	111.271	ng	0.00
23) Nitrobenzene-d5	7.516	82	620925	77.611	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	267536	121.980	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1172818	75.549	ng	0.00
79) Terphenyl-d14	13.068	244	1158826	80.362	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	83872	16.047	ng	# 77
25) Isophorone	7.516	82	618780	43.812	ng	# 66
32) Benzoic acid	7.892	122	128	5.209	ng	# 1
51) 2,6-Dinitrotoluene	9.998	165	27150	9.644	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	27150	7.687	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	465	5.624	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	16508	3.723	ng	# 1

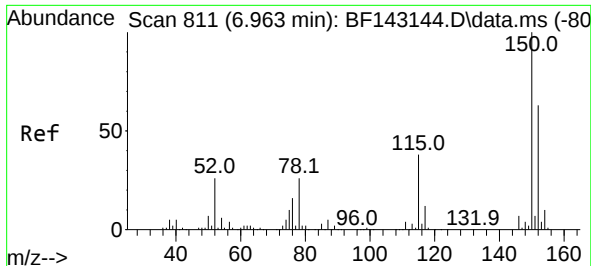
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073025\
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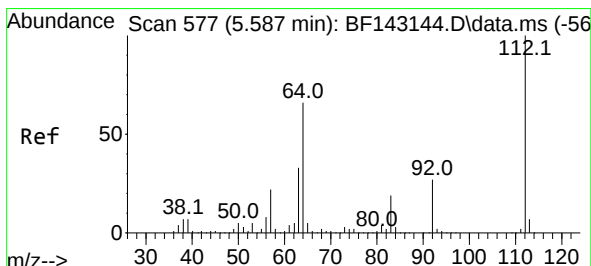
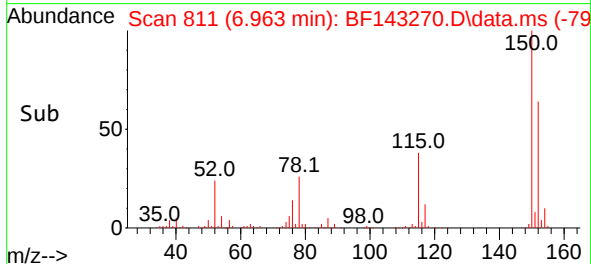
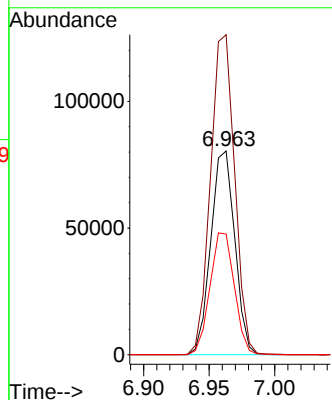
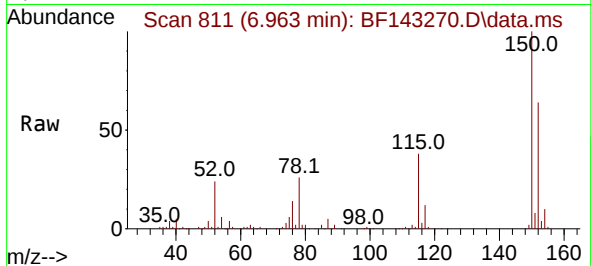




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

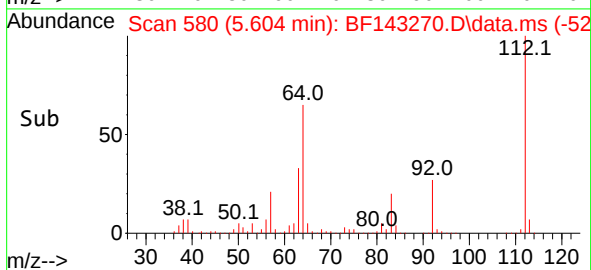
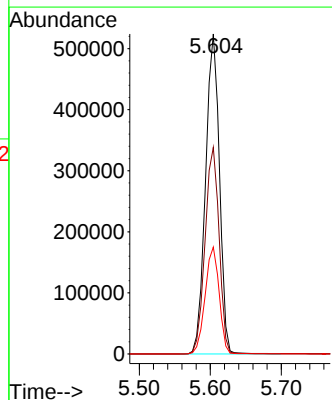
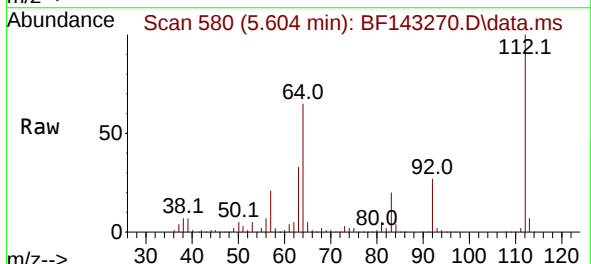
Instrument :
BNA_F
ClientSampleId :
PB168971BL

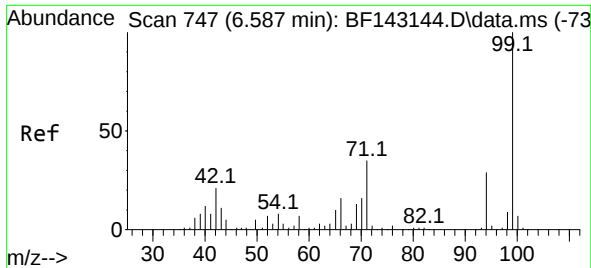
Tgt Ion:152 Resp: 102425
Ion Ratio Lower Upper
152 100
150 157.1 128.2 192.4
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 110.513 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:112 Resp: 715294
Ion Ratio Lower Upper
112 100
64 64.5 53.1 79.7
63 33.4 26.6 40.0

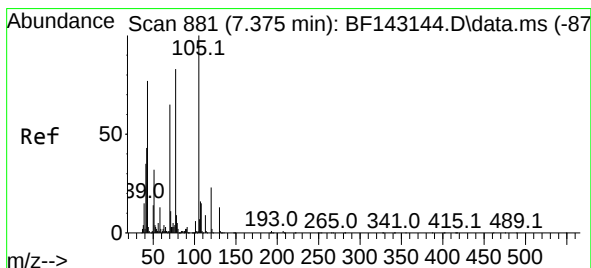
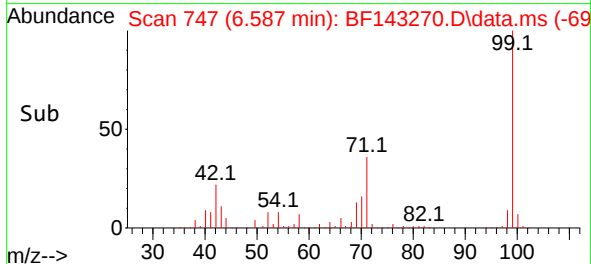
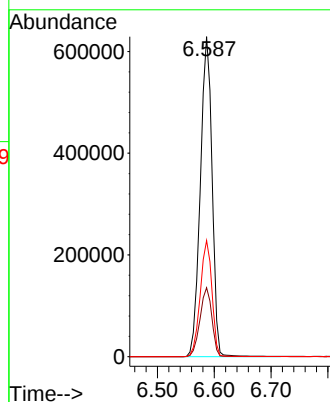
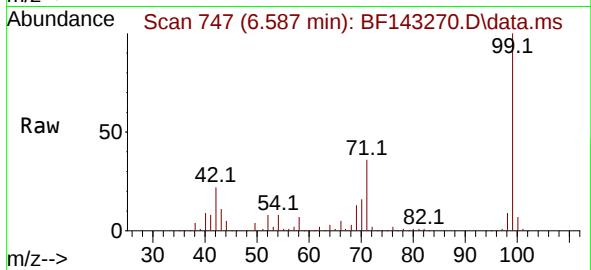




#7
Phenol-d6
Concen: 111.271 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

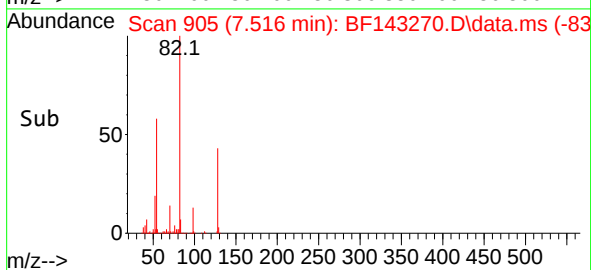
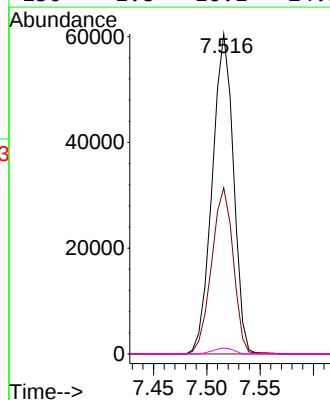
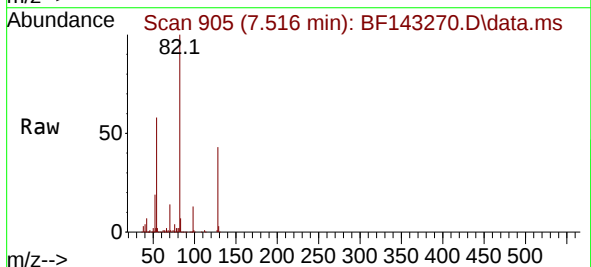
Instrument :
BNA_F
ClientSampleId :
PB168971BL

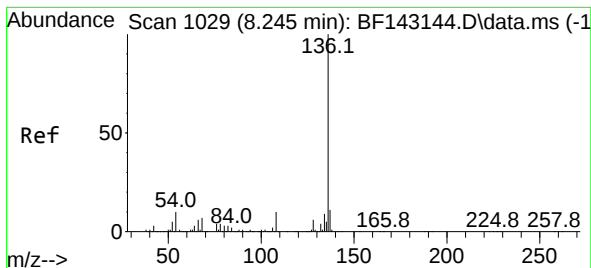
Tgt Ion: 99 Resp: 906510
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 36.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.047 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion: 70 Resp: 83872
Ion Ratio Lower Upper
70 100
42 52.0 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: 8.239 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BF143270.D

Acq: 30 Jul 2025 15:52

Instrument :

BNA_F

ClientSampleId :

PB168971BL

Tgt Ion:136 Resp: 398799

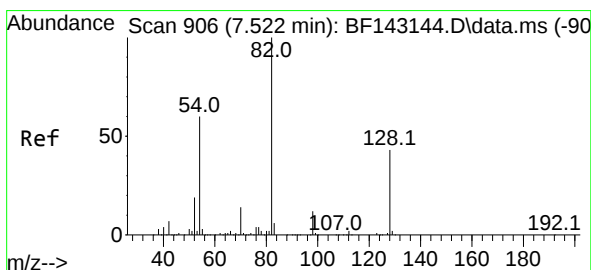
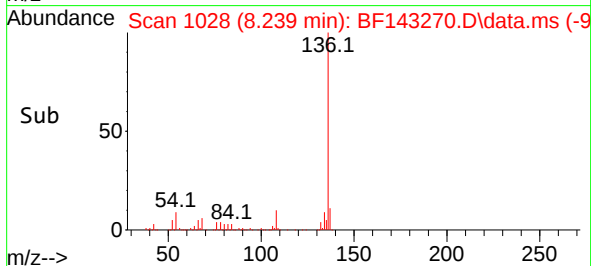
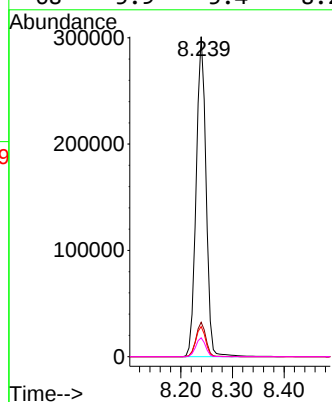
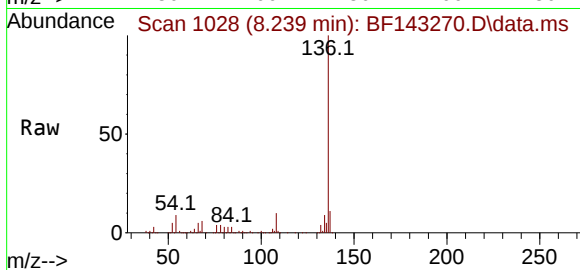
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.4 8.2 12.2

68 5.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 77.611 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143270.D

Acq: 30 Jul 2025 15:52

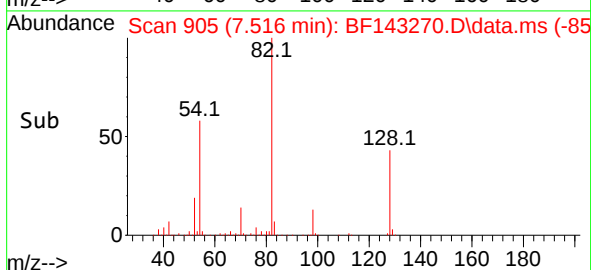
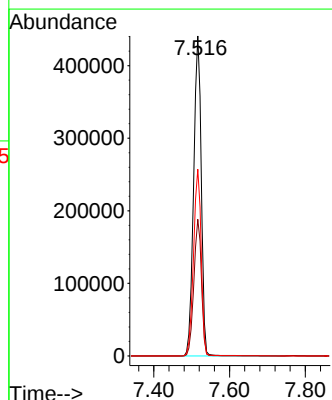
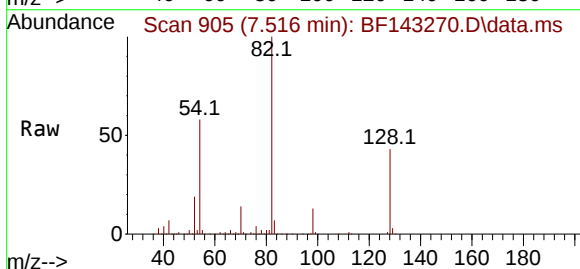
Tgt Ion: 82 Resp: 620925

Ion Ratio Lower Upper

82 100

128 42.7 33.6 50.4

54 58.4 47.1 70.7

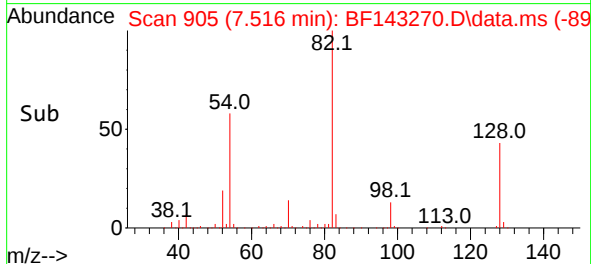
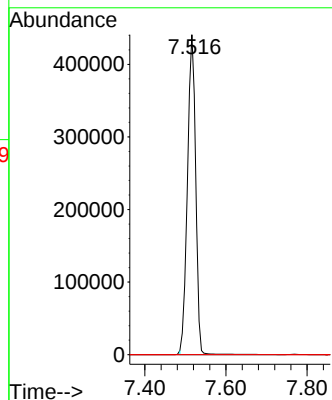
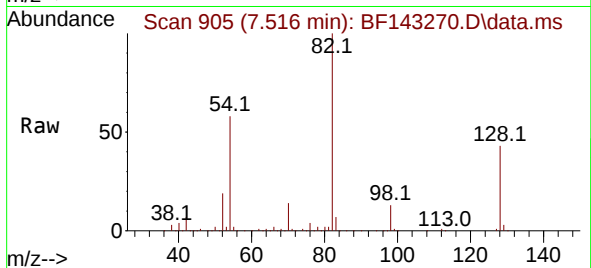




#25
Isophorone
Concen: 43.812 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

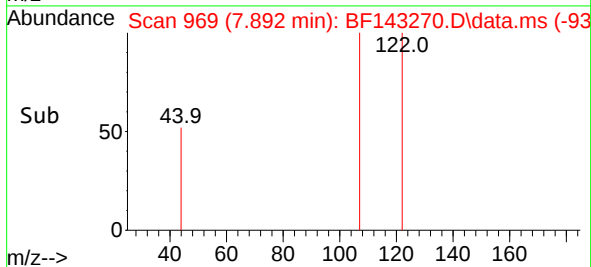
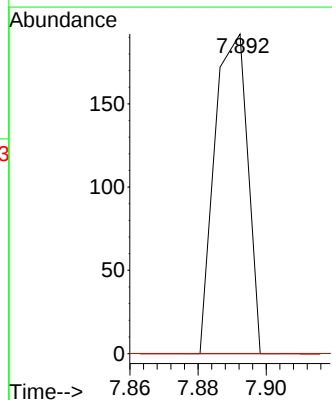
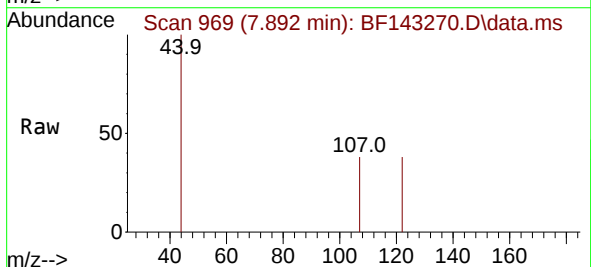
Instrument :
BNA_F
ClientSampleId :
PB168971BL

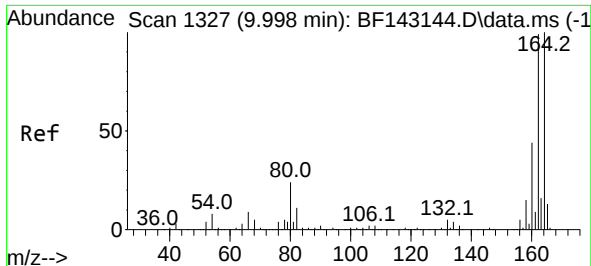
Tgt Ion: 82 Resp: 618780
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.209 ng
RT: 7.892 min Scan# 969
Delta R.T. -0.100 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:122 Resp: 128
Ion Ratio Lower Upper
122 100
105 0.0 104.8 144.8#
77 0.0 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: BF143270.D

Acq: 30 Jul 2025 15:52

Instrument :

BNA_F

ClientSampleId :

PB168971BL

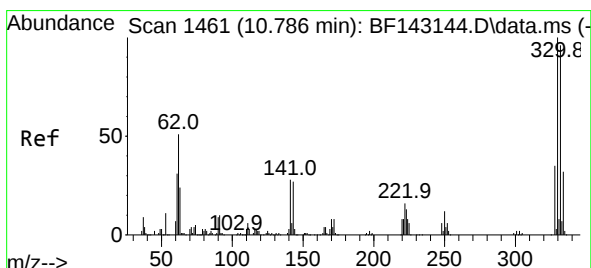
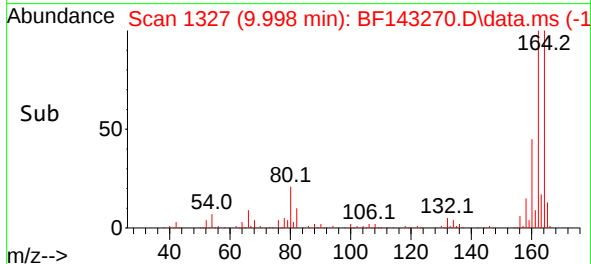
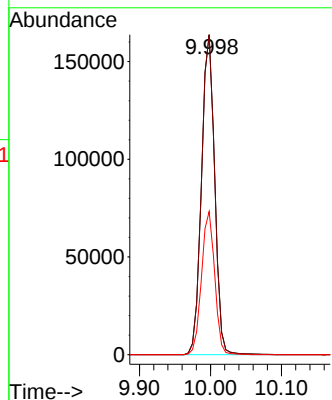
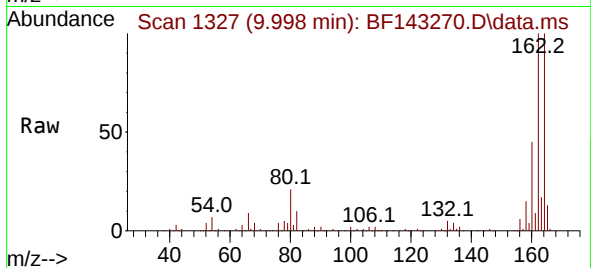
Tgt Ion:164 Resp: 212310

Ion Ratio Lower Upper

164 100

162 100.0 79.0 118.6

160 44.8 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 121.980 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143270.D

Acq: 30 Jul 2025 15:52

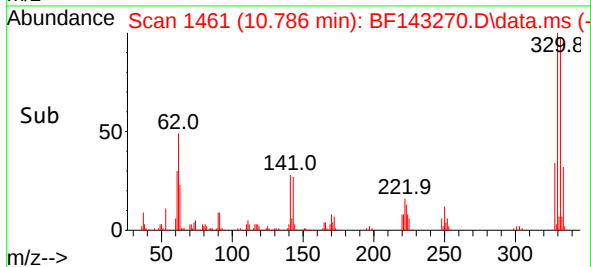
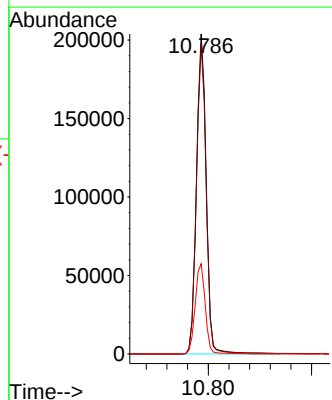
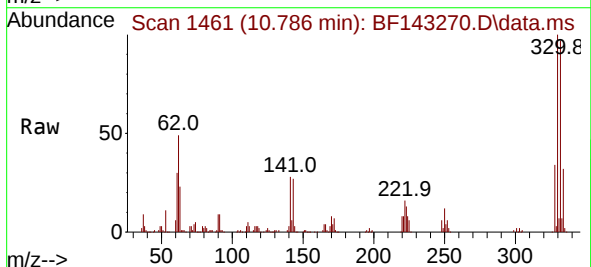
Tgt Ion:330 Resp: 267536

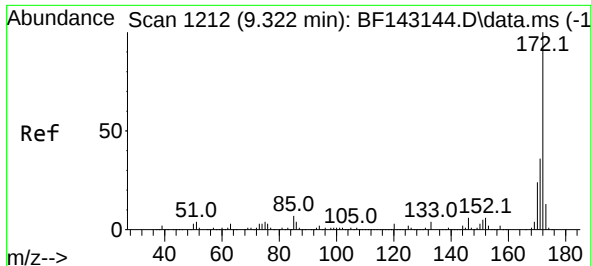
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 29.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 75.549 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143270.D

Acq: 30 Jul 2025 15:52

Instrument :

BNA_F

ClientSampleId :

PB168971BL

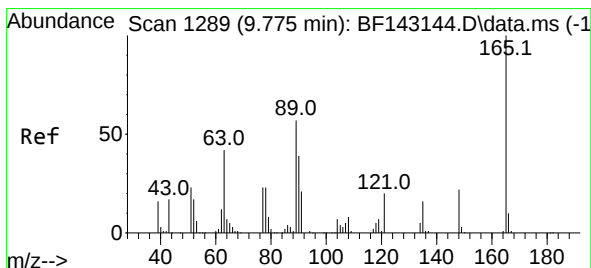
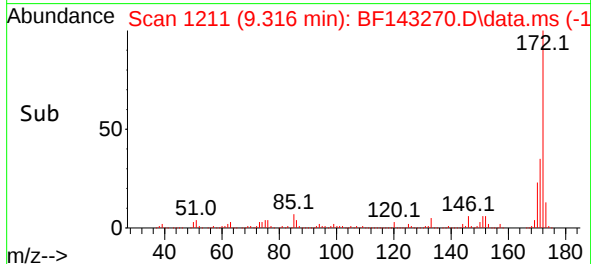
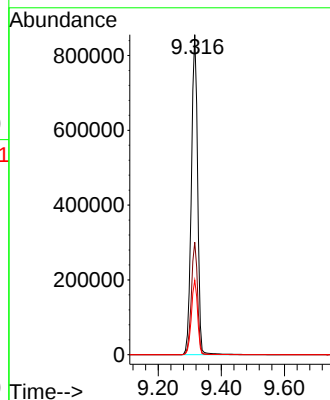
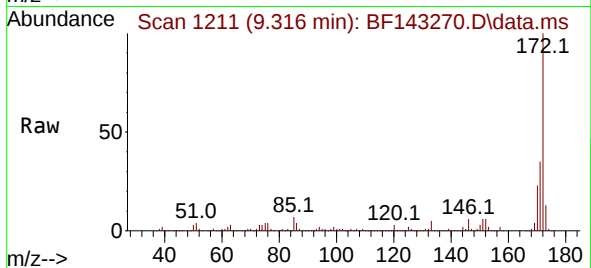
Tgt Ion:172 Resp: 1172818

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.644 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143270.D

Acq: 30 Jul 2025 15:52

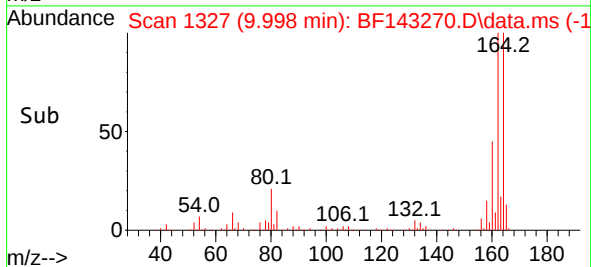
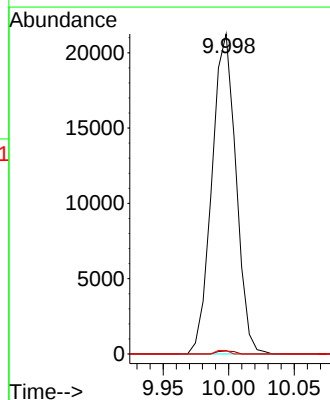
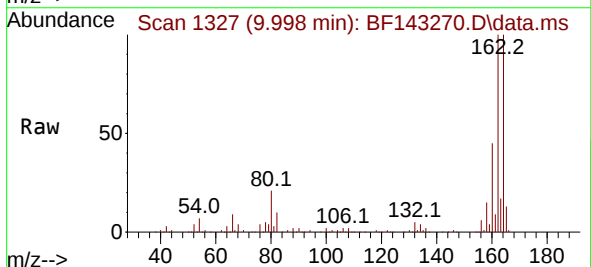
Tgt Ion:165 Resp: 27150

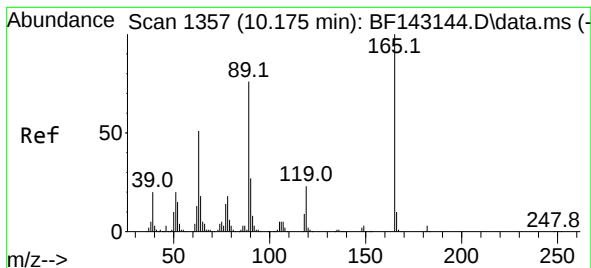
Ion Ratio Lower Upper

165 100

63 0.9 49.4 74.2#

89 1.1 46.2 69.2#

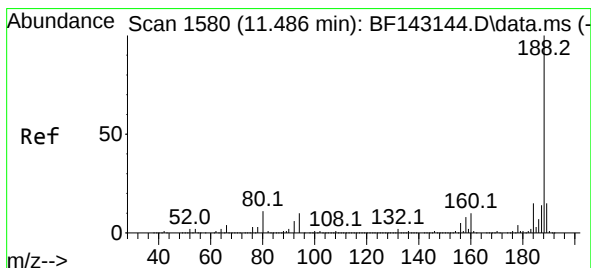
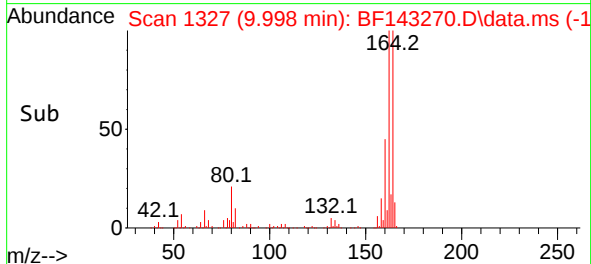
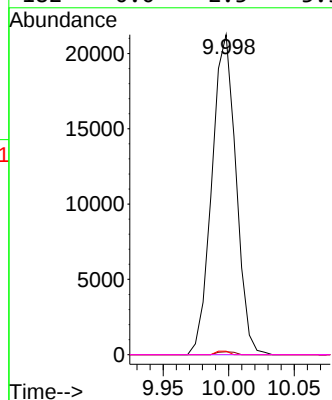
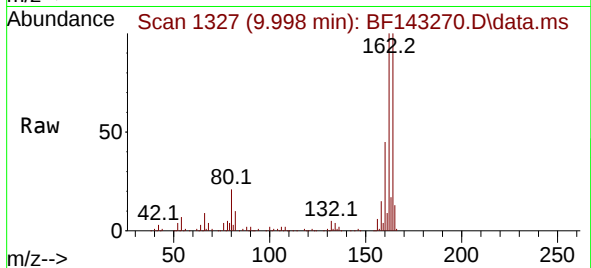




#57
2,4-Dinitrotoluene
Concen: 7.687 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

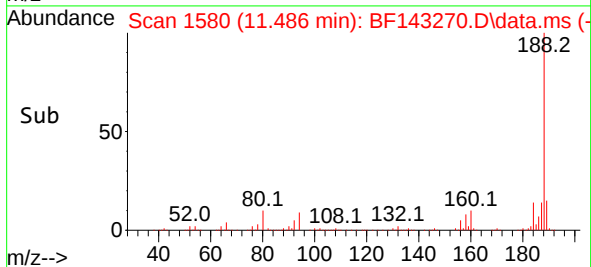
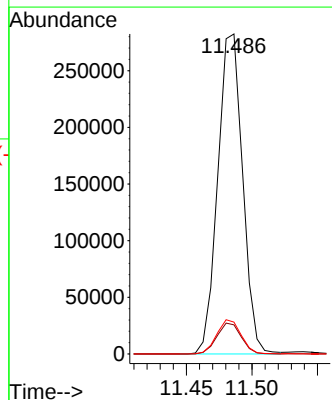
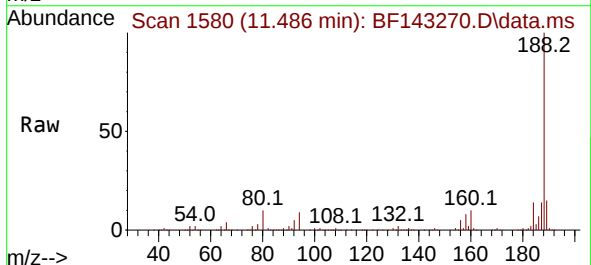
Instrument :
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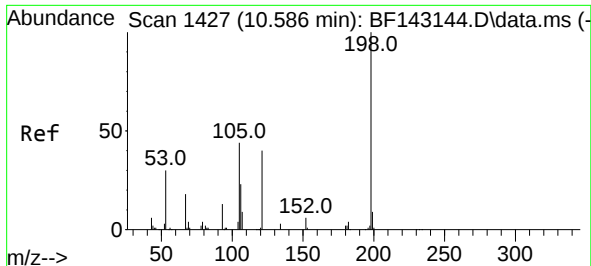
Tgt Ion:165 Resp: 27150
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.4#
89 1.1 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:188 Resp: 372104
Ion Ratio Lower Upper
188 100
94 9.1 8.3 12.5
80 10.0 9.0 13.6

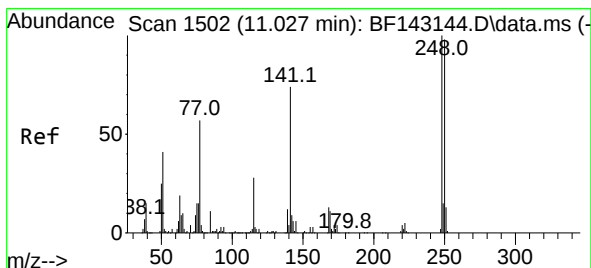
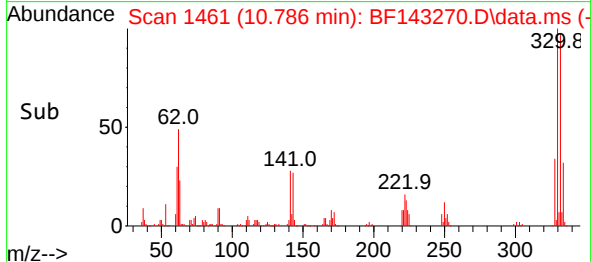
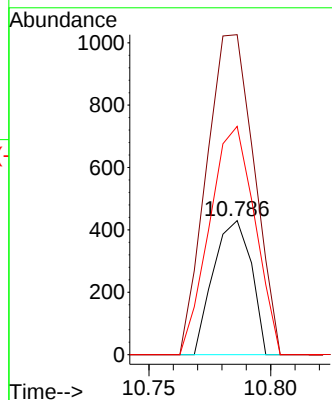
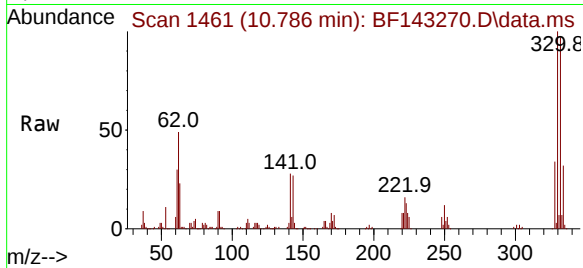




#65
4,6-Dinitro-2-methylphenol
Concen: 5.624 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

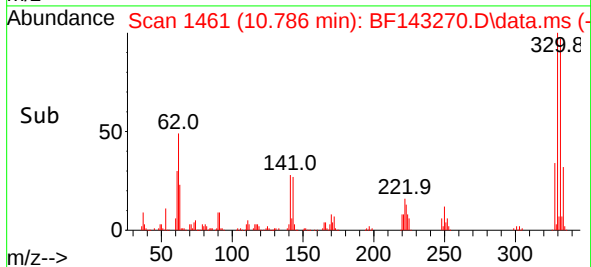
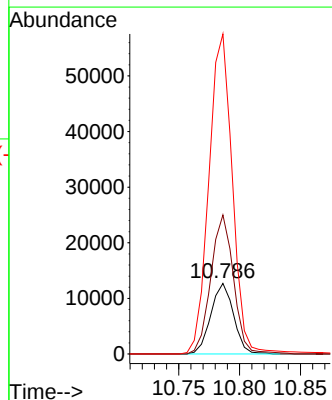
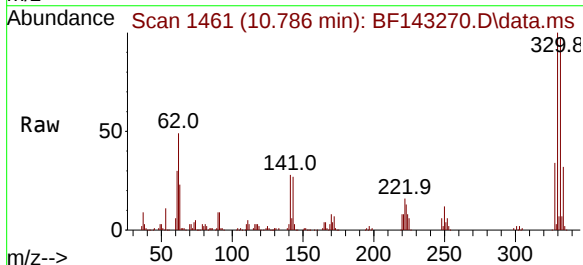
Instrument :
BNA_F
ClientSampleId :
PB168971BL

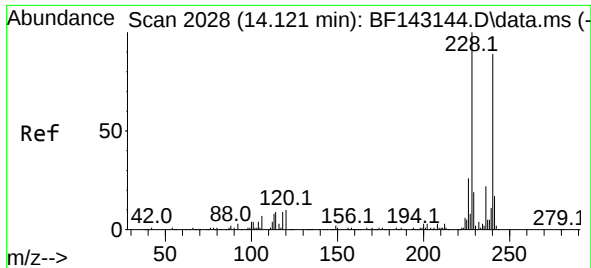
Tgt Ion:198 Resp: 465
Ion Ratio Lower Upper
198 100
51 238.6 37.2 77.2#
105 170.2 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 3.723 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:248 Resp: 16508
Ion Ratio Lower Upper
248 100
250 196.9 78.3 117.5#
141 453.1 59.2 88.8#

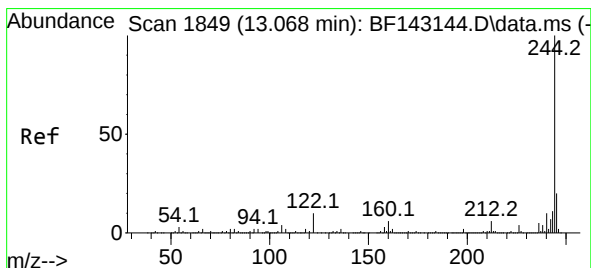
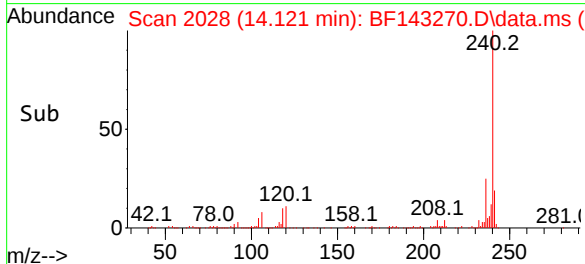
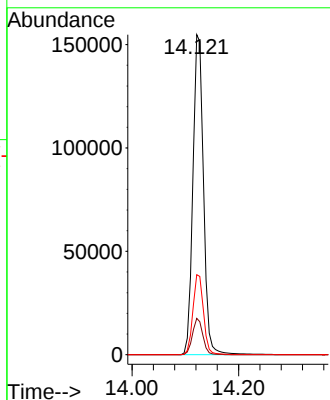
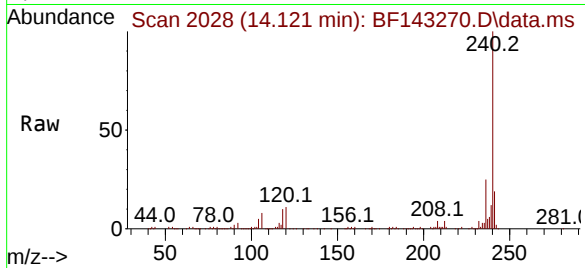




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

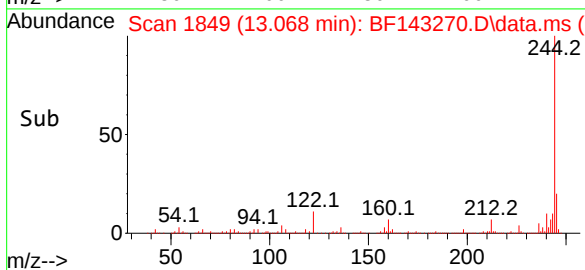
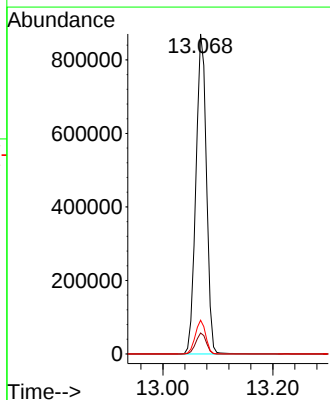
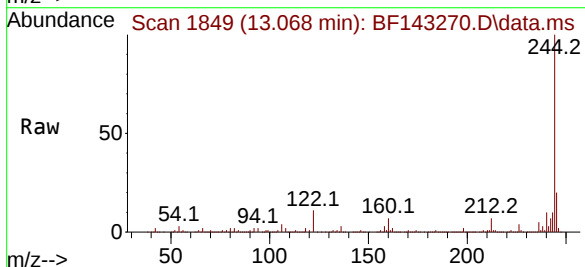
Instrument :
BNA_F
ClientSampleId :
PB168971BL

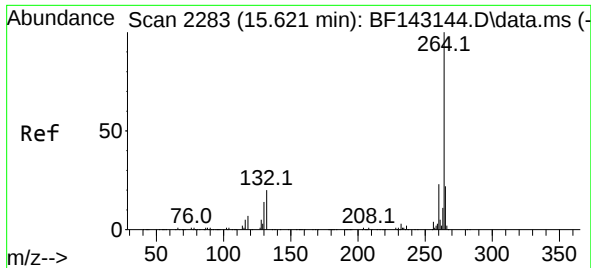
Tgt Ion:240 Resp: 214586
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 25.0 20.2 30.4



#79
Terphenyl-d14
Concen: 80.362 ng
RT: 13.068 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Tgt Ion:244 Resp: 1158826
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.5 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143270.D
Acq: 30 Jul 2025 15:52

Instrument :
BNA_F
ClientSampleId :
PB168971BL

Tgt Ion:264 Resp: 214112
Ion Ratio Lower Upper
264 100
260 23.9 18.5 27.7
265 21.8 17.4 26.2

