

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143277.D
 Acq On : 01 Aug 2025 12:34
 Operator : RC/JU
 Sample : PB169077BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169077BL

Quant Time: Aug 01 12:55:12 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)

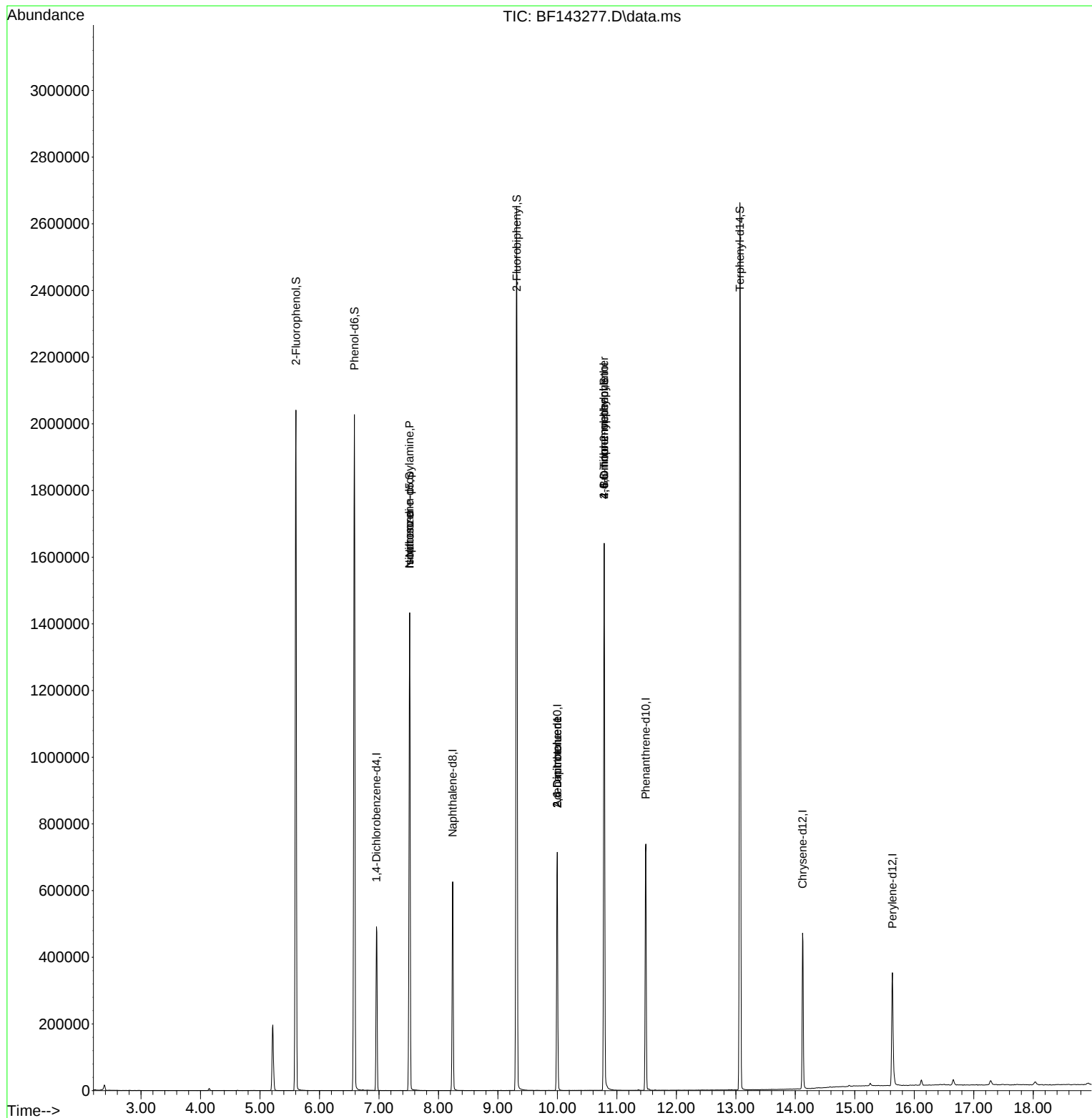
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	104436	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	401363	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	218359	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	388725	20.000	ng	0.00
76) Chrysene-d12	14.121	240	237202	20.000	ng	0.00
86) Perylene-d12	15.633	264	215585	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	779338	118.089	ng	0.02
7) Phenol-d6	6.587	99	989176	119.080	ng	0.00
23) Nitrobenzene-d5	7.516	82	666773	82.809	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	303529	134.557	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1269020	79.481	ng	0.00
79) Terphenyl-d14	13.069	244	1364537	85.605	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.516	70	90952	17.066	ng	# 77
25) Isophorone	7.516	82	659886	46.424	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	27297	9.428	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	27297	7.514	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	539	5.647	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19060	4.114	ng	# 1

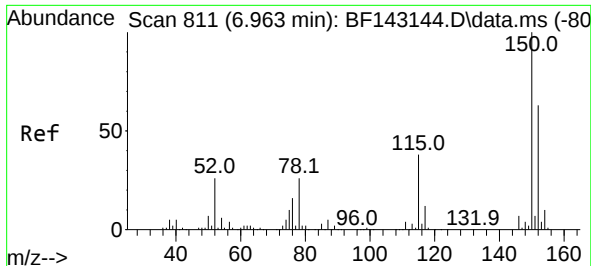
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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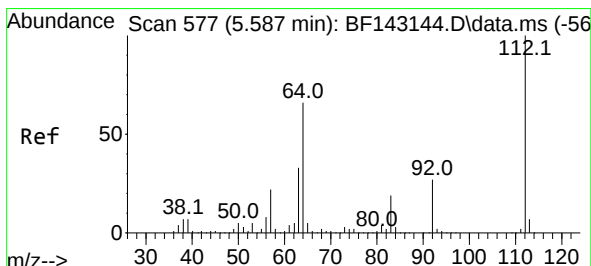
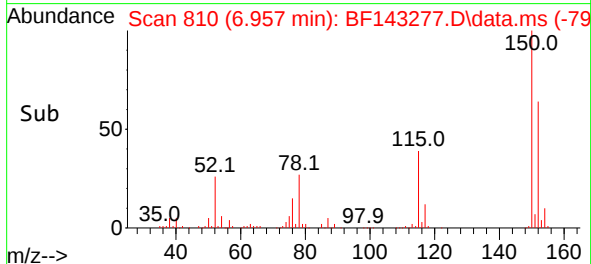
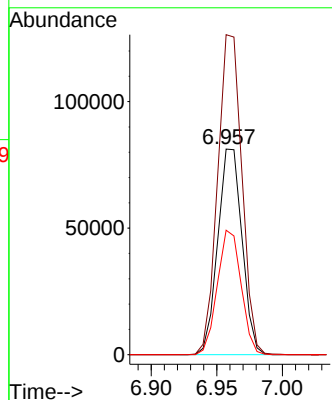
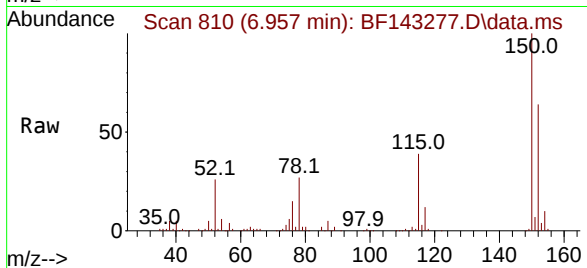




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

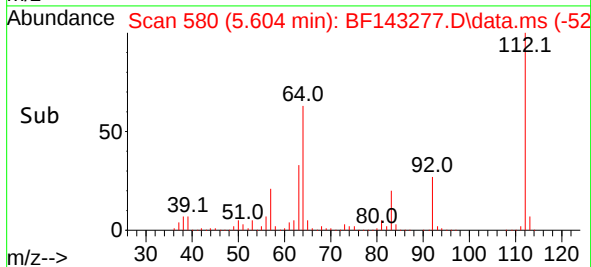
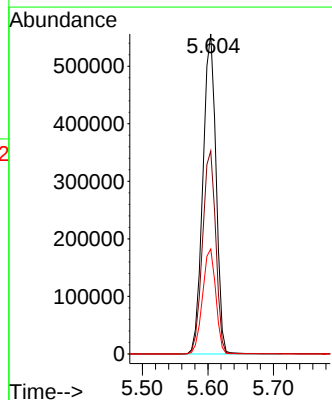
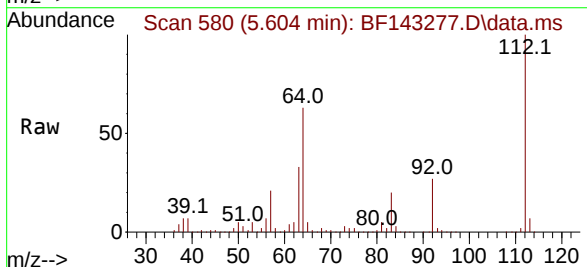
Instrument :
BNA_F
ClientSampleId :
PB169077BL

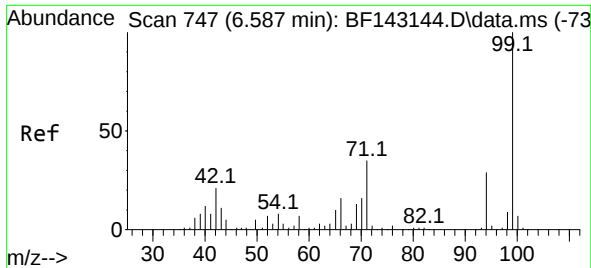
Tgt Ion:152 Resp: 104436
Ion Ratio Lower Upper
152 100
150 155.6 128.2 192.4
115 60.5 47.9 71.9



#5
2-Fluorophenol
Concen: 118.089 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

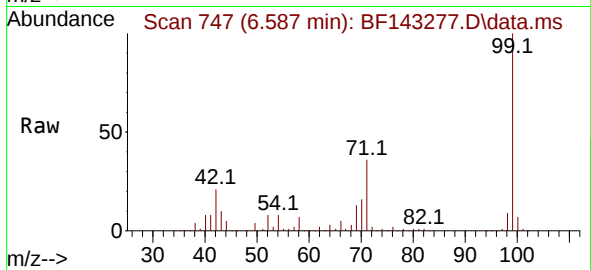
Tgt Ion:112 Resp: 779338
Ion Ratio Lower Upper
112 100
64 63.5 53.1 79.7
63 32.8 26.6 40.0



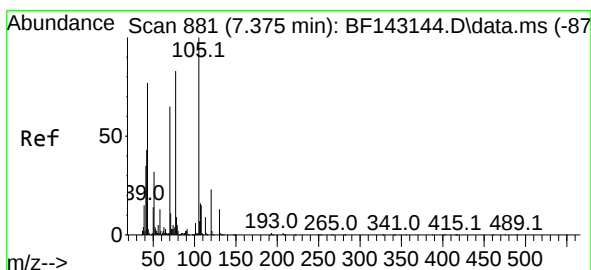
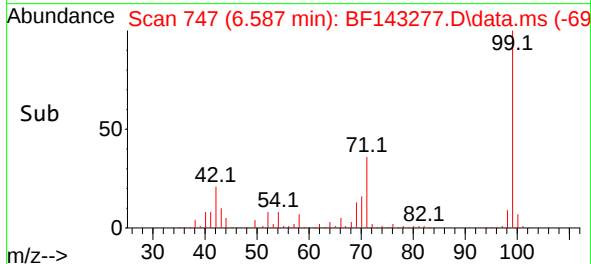
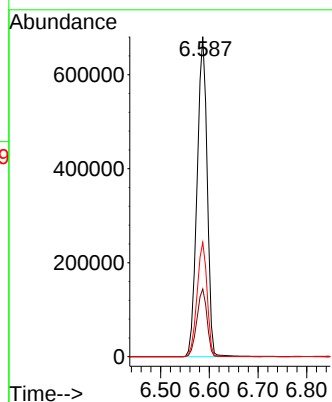


#7
Phenol-d6
Concen: 119.080 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Instrument :
BNA_F
ClientSampleId :
PB169077BL

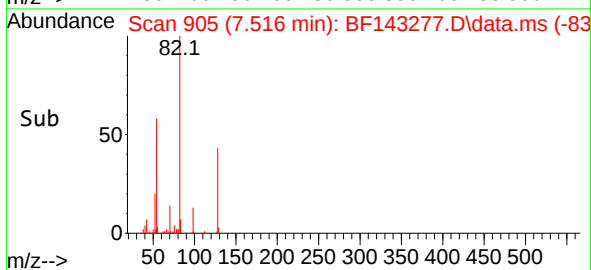
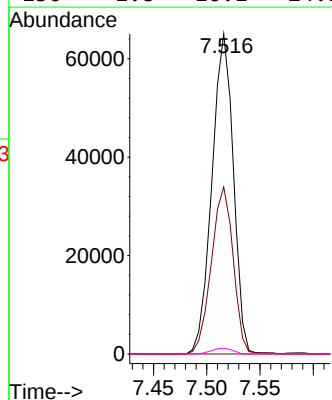
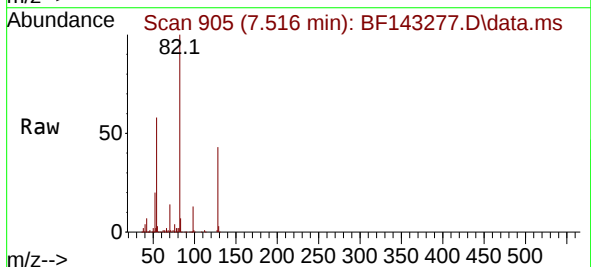


Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.6
71	35.7	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.066 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Tgt Ion	Ratio	Lower	Upper
70	100		
42	52.2	52.5	78.7#
101	0.0	7.6	11.4#
130	1.8	16.1	24.1#

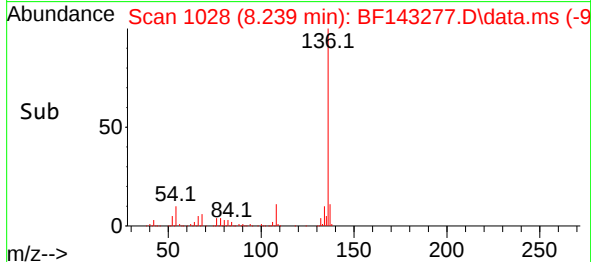
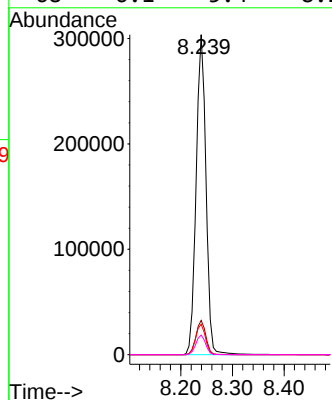
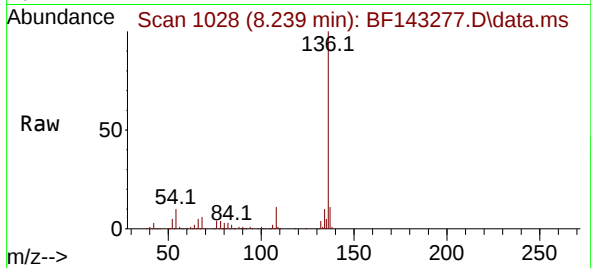




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

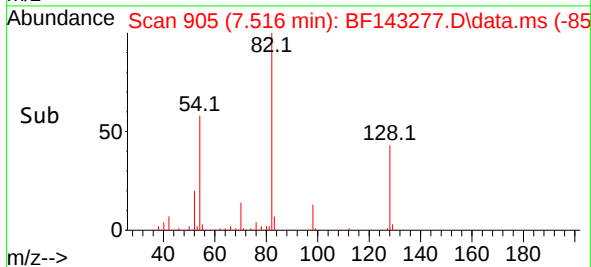
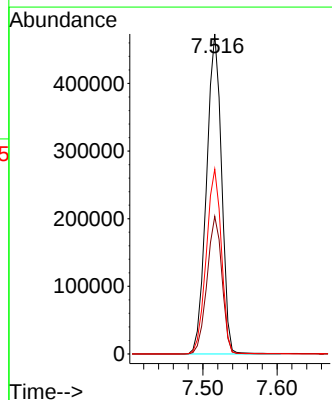
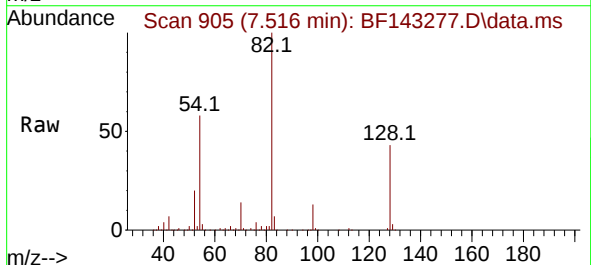
Instrument :
BNA_F
ClientSampleId :
PB169077BL

Tgt Ion:136	Resp: 401363
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 9.5	8.2 12.2
68 6.1	5.4 8.2



#23
Nitrobenzene-d5
Concen: 82.809 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Tgt Ion: 82	Resp: 666773
Ion Ratio	Lower Upper
82 100	
128 43.0	33.6 50.4
54 57.7	47.1 70.7

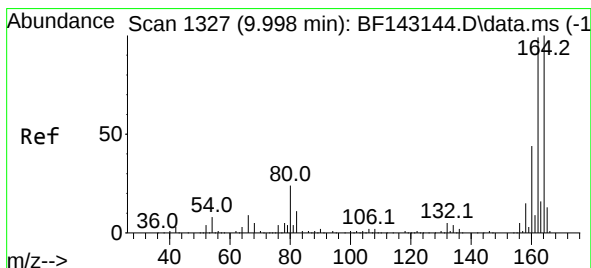
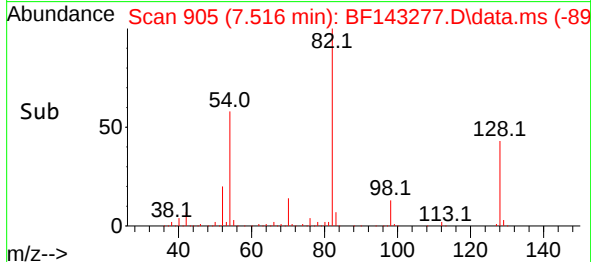
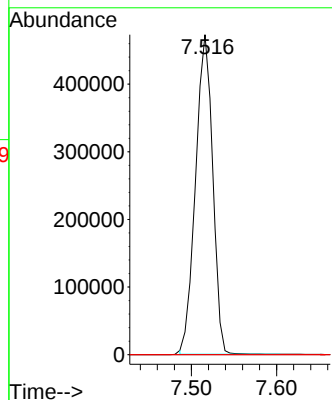
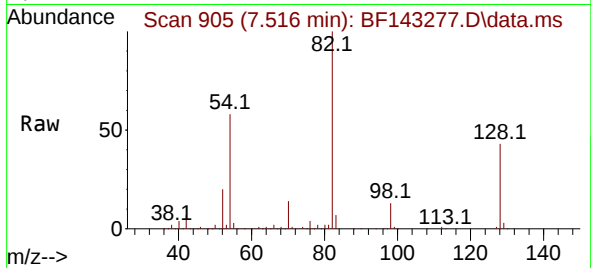




#25
Isophorone
Concen: 46.424 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

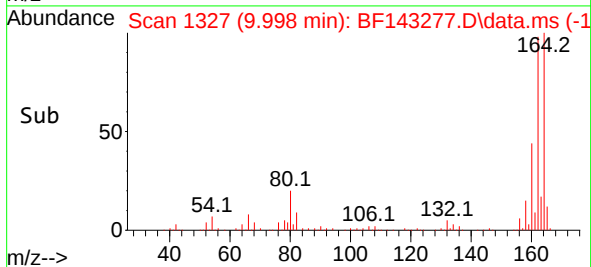
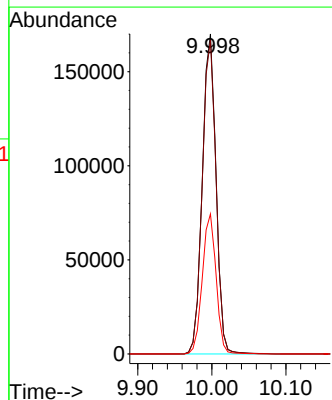
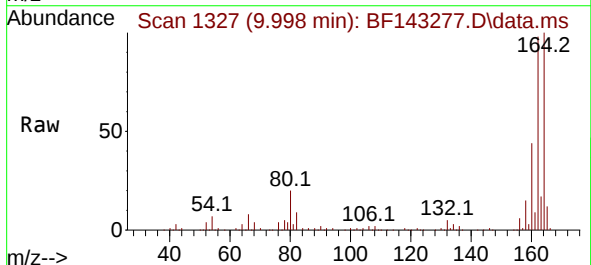
Instrument :
BNA_F
ClientSampleId :
PB169077BL

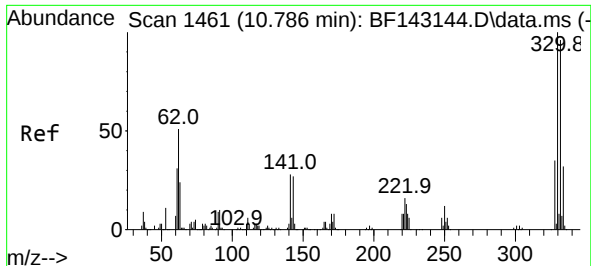
Tgt Ion: 82 Resp: 659886
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

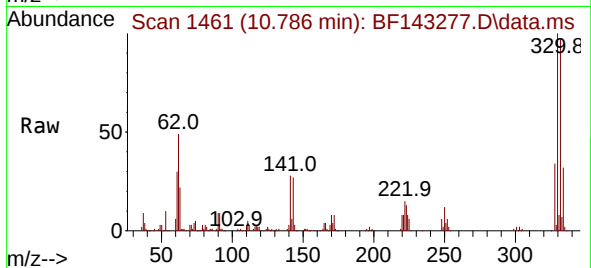
Tgt Ion:164 Resp: 218359
Ion Ratio Lower Upper
164 100
162 98.2 79.0 118.6
160 43.7 35.1 52.7



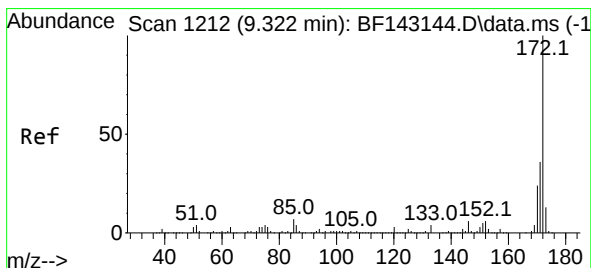
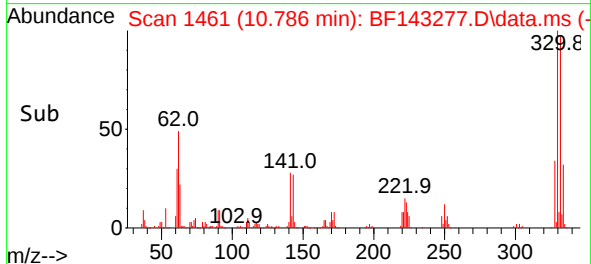
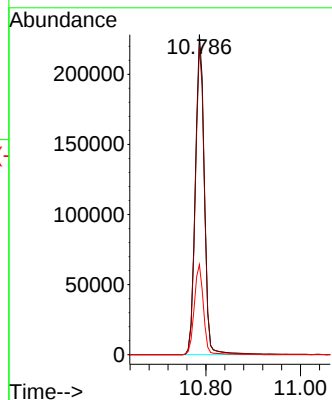


#42
2,4,6-Tribromophenol
Concen: 134.557 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Instrument :
BNA_F
ClientSampleId :
PB169077BL

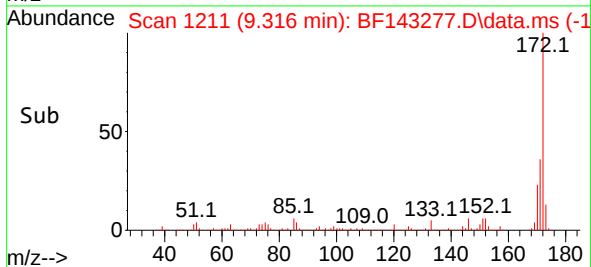
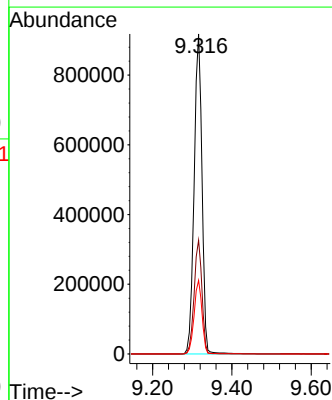
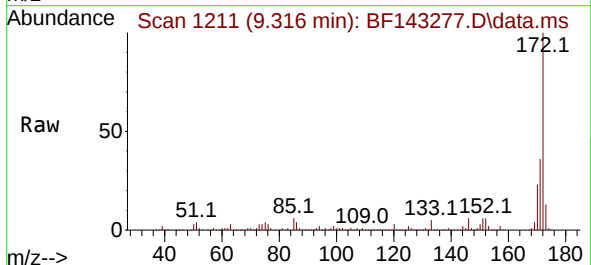


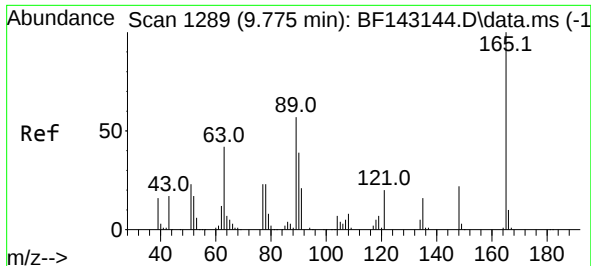
Tgt Ion:330 Resp: 303529
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 28.7 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 79.481 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Tgt Ion:172 Resp: 1269020
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.0 18.8 28.2

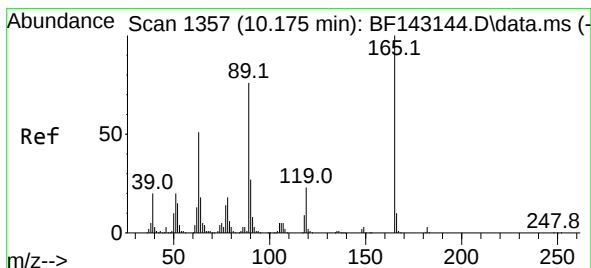
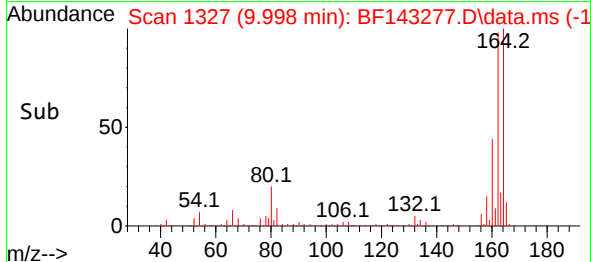
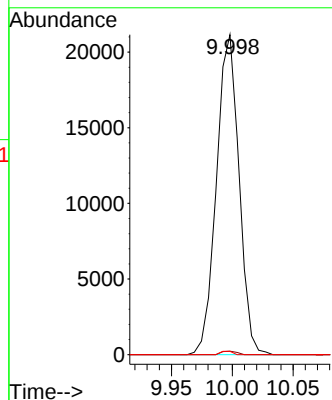
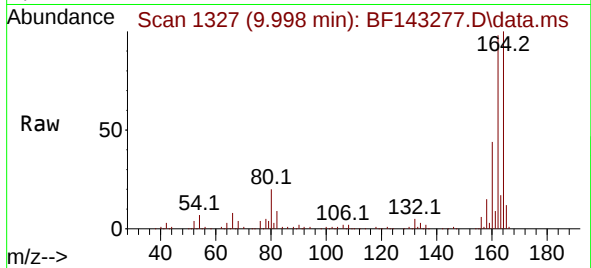




#51
2,6-Dinitrotoluene
Concen: 9.428 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

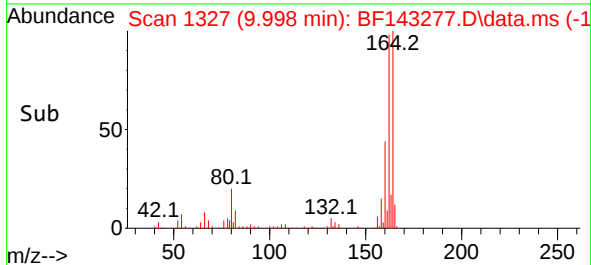
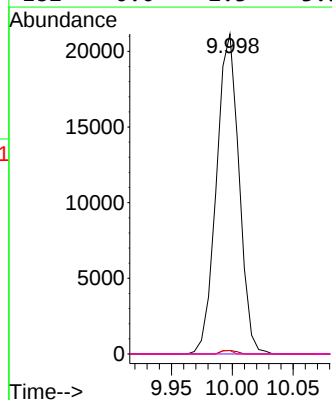
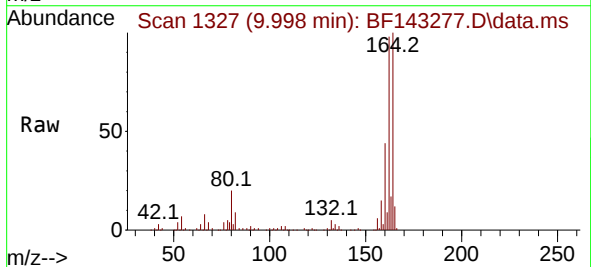
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BNA_F
ClientSampleId :
PB169077BL

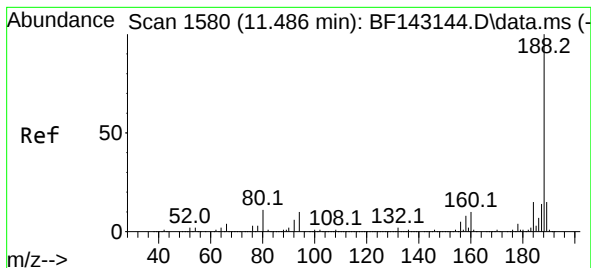
Tgt Ion:165 Resp: 27297
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.2#
89 1.1 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.514 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Tgt Ion:165 Resp: 27297
Ion Ratio Lower Upper
165 100
63 1.1 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# 11

Delta R.T. 0.000 min

Lab File: BF143277.D

Acq: 01 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169077BL

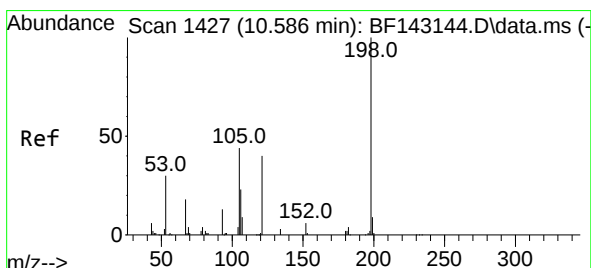
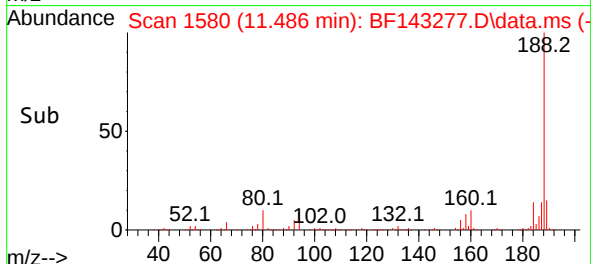
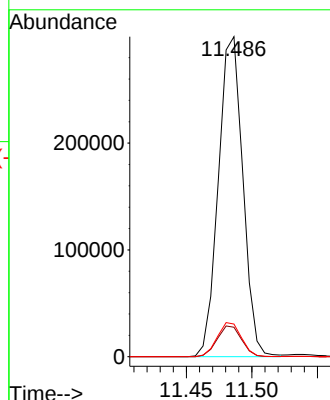
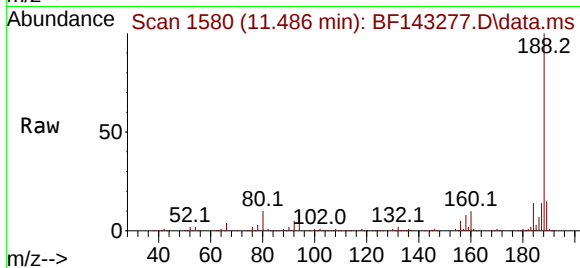
Tgt Ion:188 Resp: 388725

Ion Ratio Lower Upper

188 100

94 9.2 8.3 12.5

80 10.2 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.647 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143277.D

Acq: 01 Aug 2025 12:34

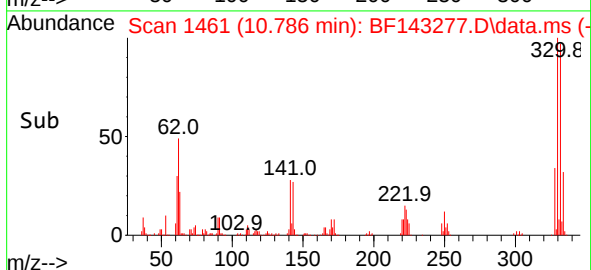
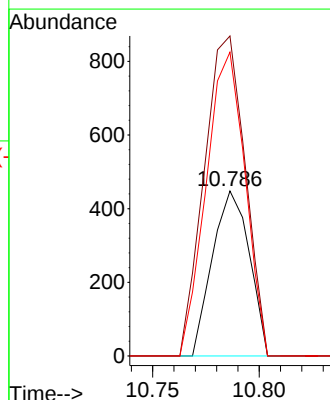
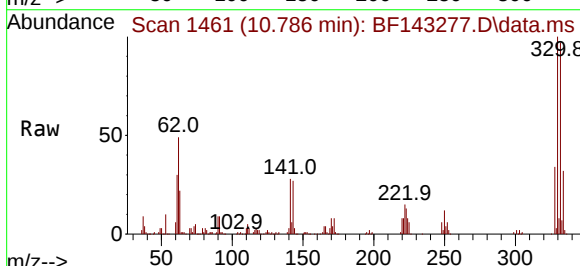
Tgt Ion:198 Resp: 539

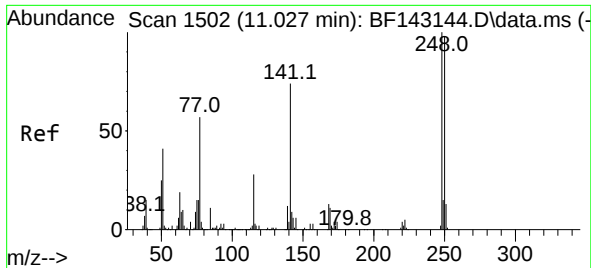
Ion Ratio Lower Upper

198 100

51 194.0 37.2 77.2#

105 184.2 24.8 64.8#

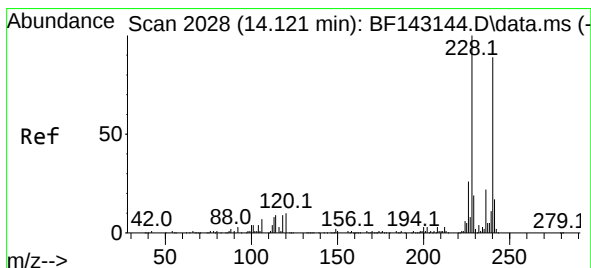
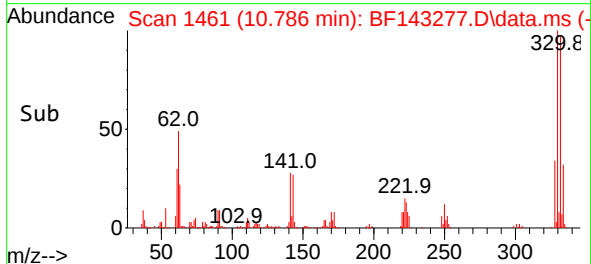
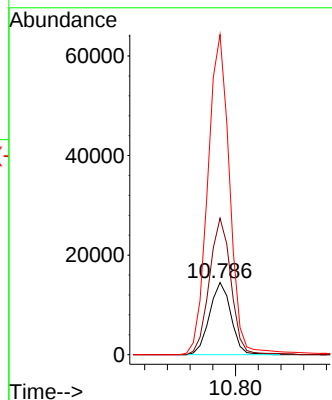
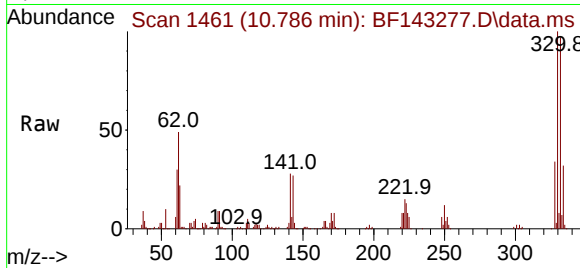




#67
4-Bromophenyl-phenylether
Concen: 4.114 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

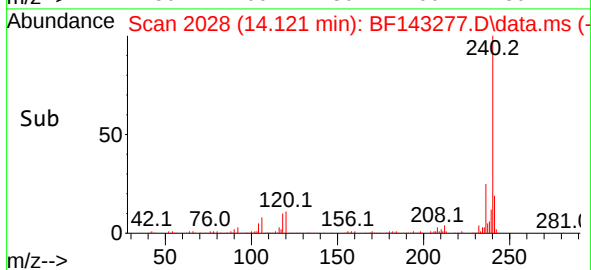
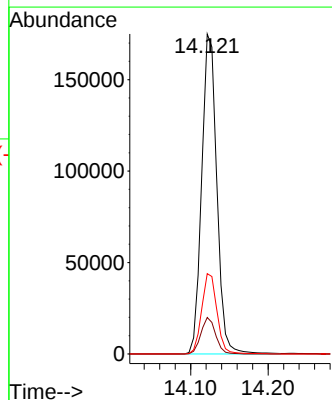
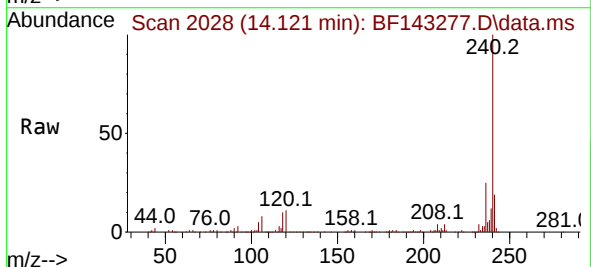
Instrument :
BNA_F
ClientSampleId :
PB169077BL

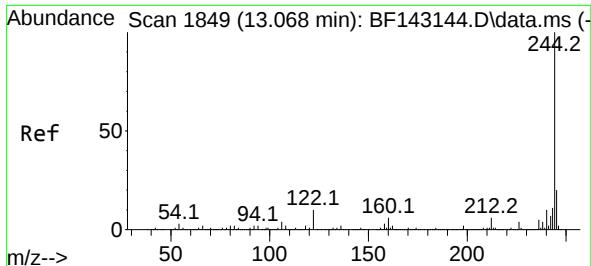
Tgt Ion:248 Resp: 19060
Ion Ratio Lower Upper
248 100
250 189.1 78.3 117.5#
141 443.4 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143277.D
Acq: 01 Aug 2025 12:34

Tgt Ion:240 Resp: 237202
Ion Ratio Lower Upper
240 100
120 11.4 9.4 14.2
236 25.1 20.2 30.4

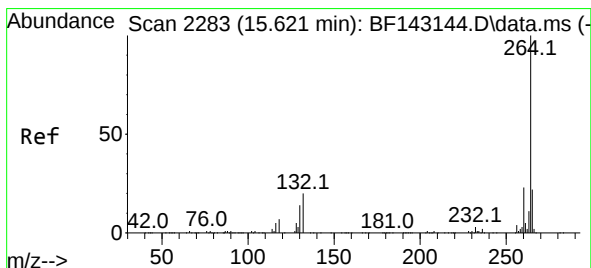
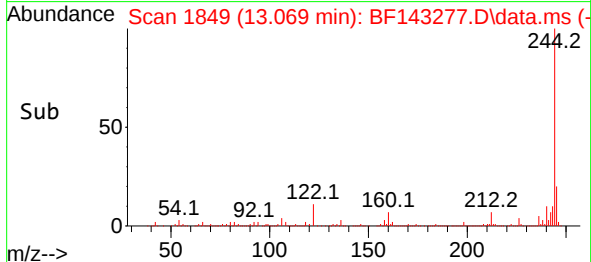
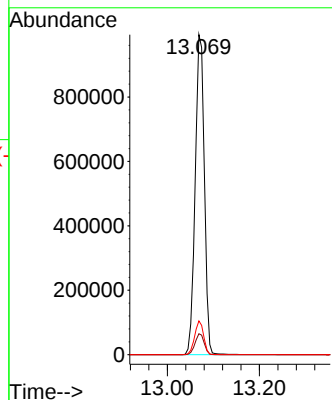
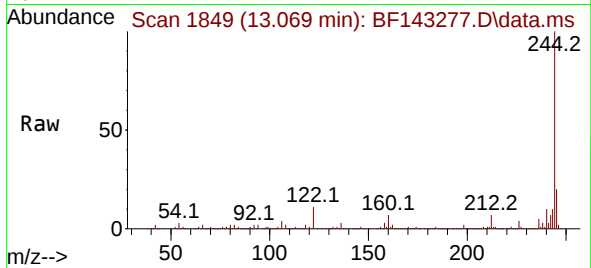




#79
 Terphenyl-d14
 Concen: 85.605 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143277.D
 Acq: 01 Aug 2025 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB169077BL

Tgt Ion:244 Resp: 1364537
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2285
 Delta R.T. 0.012 min
 Lab File: BF143277.D
 Acq: 01 Aug 2025 12:34

Tgt Ion:264 Resp: 215585
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 20.9 17.4 26.2

