

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143324.D
 Acq On : 06 Aug 2025 12:05
 Operator : RC/JU
 Sample : PB169119BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169119BL

Quant Time: Aug 06 12:51:53 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)

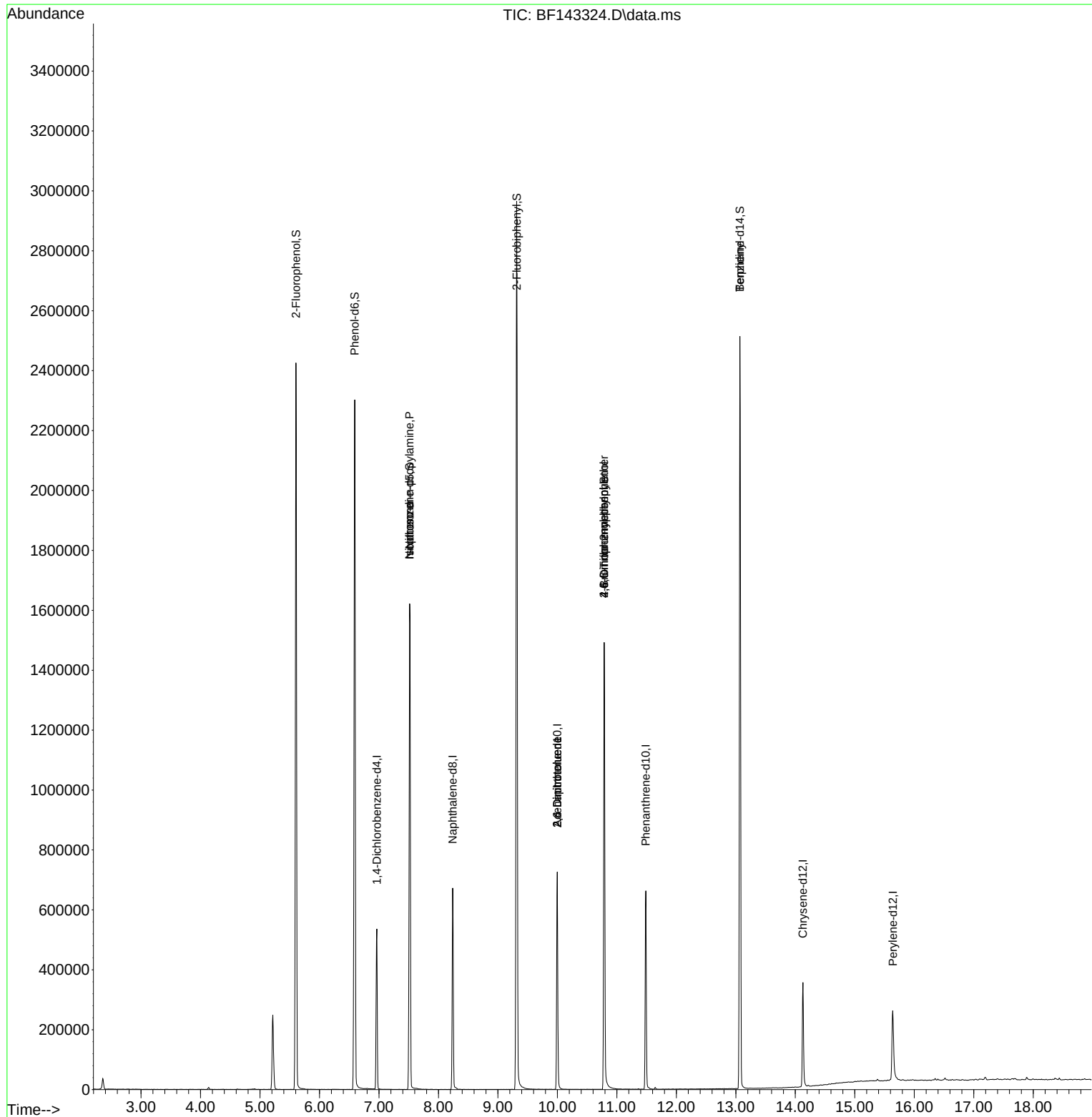
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	111731	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	431501	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	222591	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	355921	20.000	ng	0.00
76) Chrysene-d12	14.127	240	191645	20.000	ng	0.00
86) Perylene-d12	15.639	264	181718	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	935233	132.459	ng	0.02
7) Phenol-d6	6.592	99	1177903	132.542	ng	0.00
23) Nitrobenzene-d5	7.516	82	786806	90.892	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	286037	124.391	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1432945	88.042	ng	0.00
79) Terphenyl-d14	13.068	244	1285613	99.827	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	106003	18.592	ng	# 79
25) Isophorone	7.516	82	776930	50.841	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	28015	9.492	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	28016	7.566	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	512	5.656	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	17369	4.095	ng	# 1
77) Benzidine	13.068	184	15673	2.123	ng	# 94

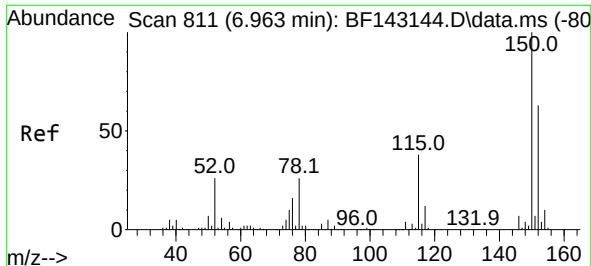
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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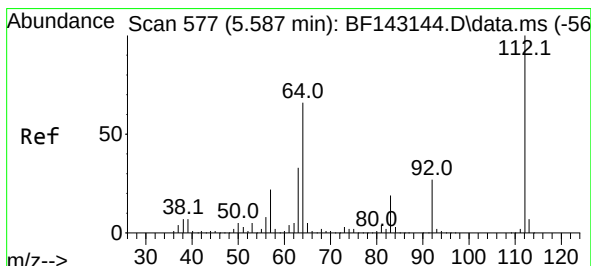
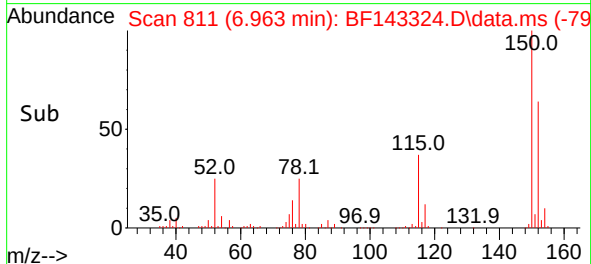
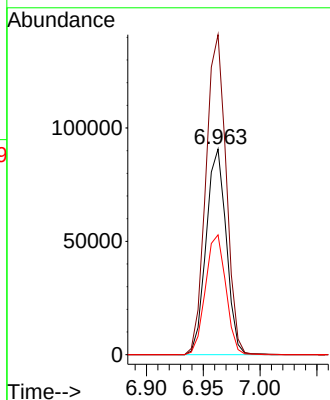
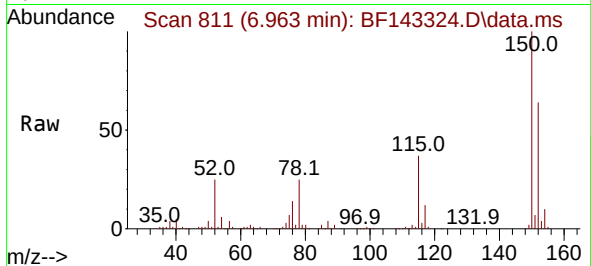




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

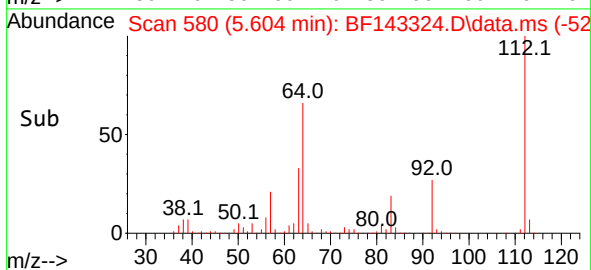
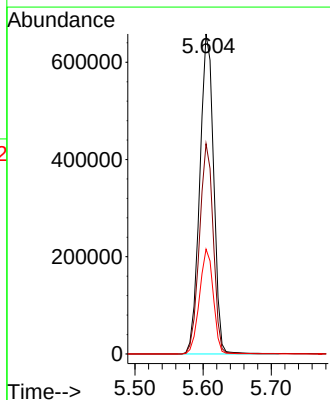
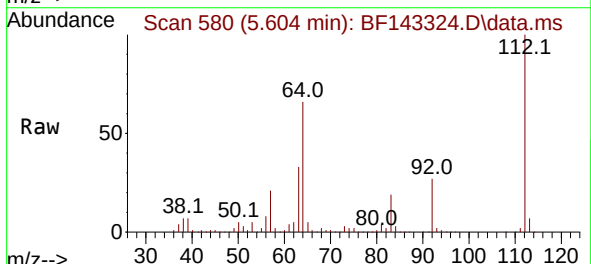
Instrument :
BNA_F
ClientSampleId :
PB169119BL

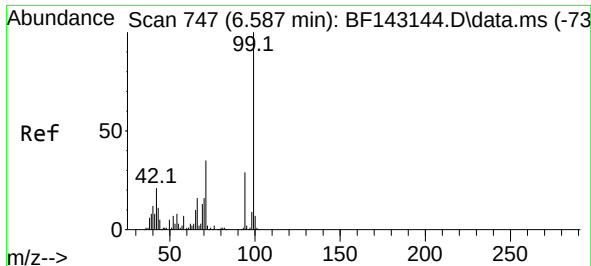
Tgt Ion:152 Resp: 111731
Ion Ratio Lower Upper
152 100
150 155.6 128.2 192.4
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 132.459 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion:112 Resp: 935233
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 32.8 26.6 40.0

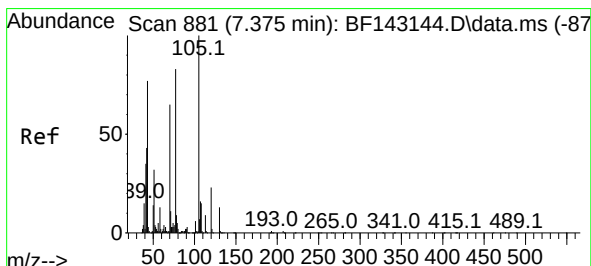
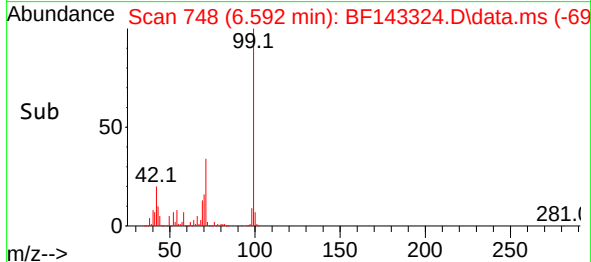
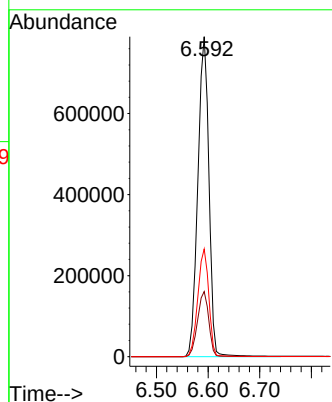
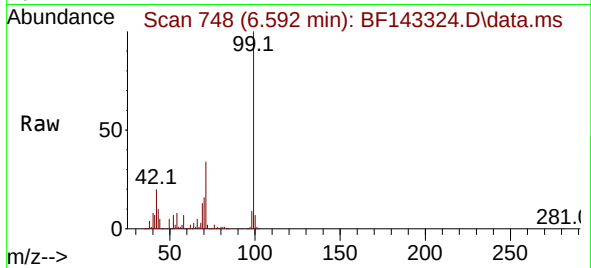




#7
Phenol-d6
Concen: 132.542 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

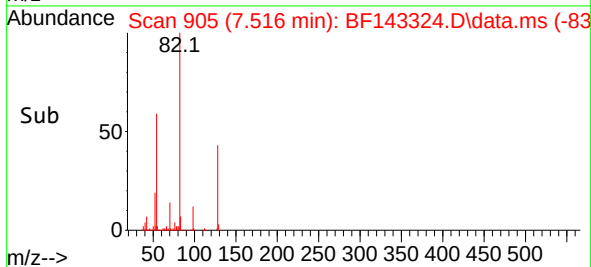
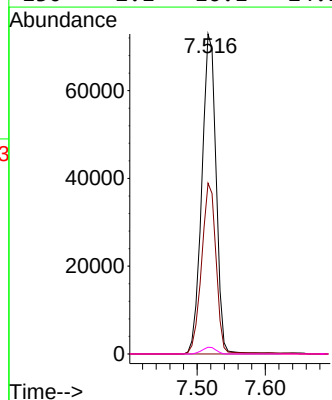
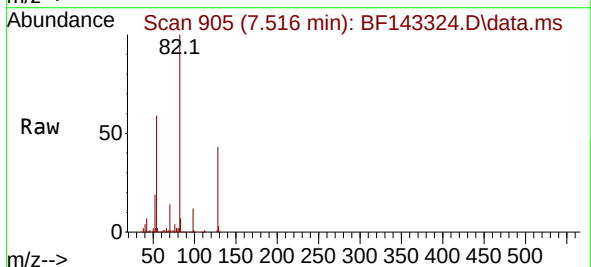
Instrument :
BNA_F
ClientSampleId :
PB169119BL

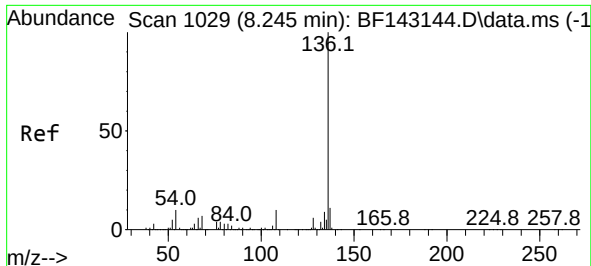
Tgt Ion: 99 Resp: 1177903
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 33.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.592 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion: 70 Resp: 106003
Ion Ratio Lower Upper
70 100
42 53.3 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#



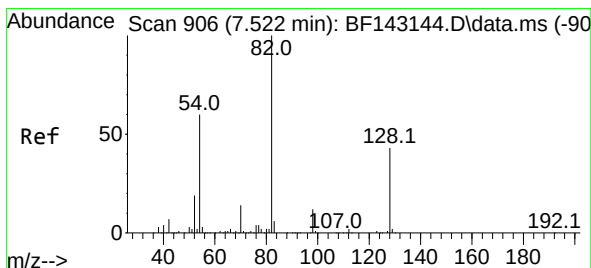
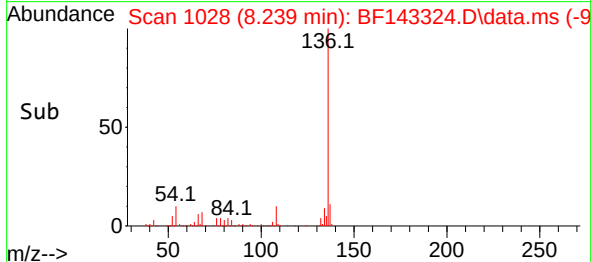
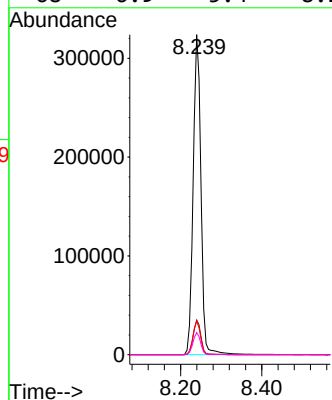
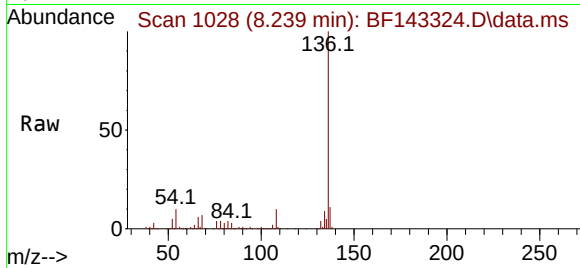


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Instrument :
BNA_F
ClientSampleId :
PB169119BL

Tgt Ion:136 Resp: 431501

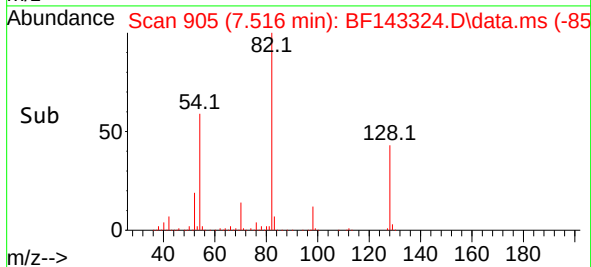
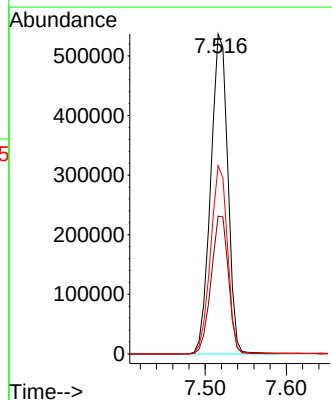
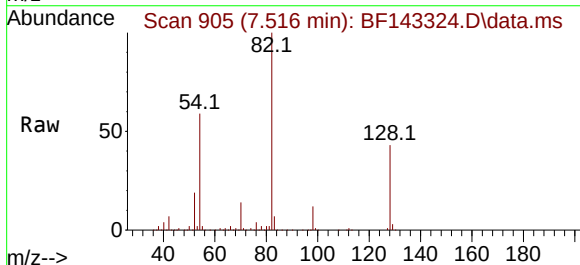
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.4	8.2	12.2
68	6.9	5.4	8.2

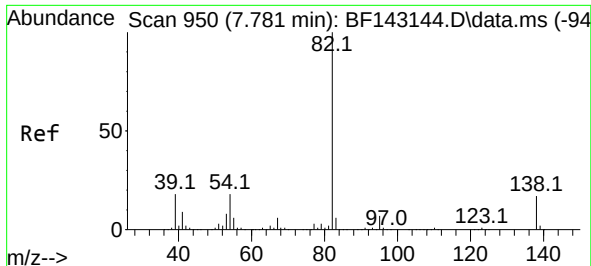


#23
Nitrobenzene-d5
Concen: 90.892 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion: 82 Resp: 786806

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.6	50.4
54	58.9	47.1	70.7

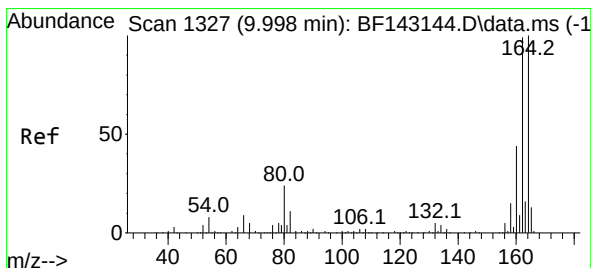
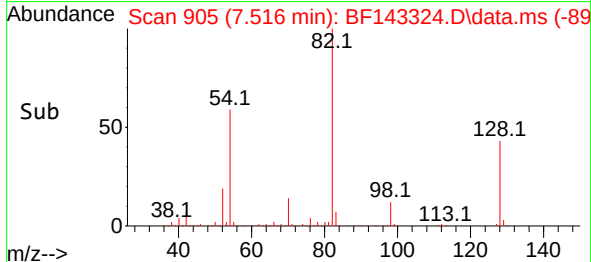
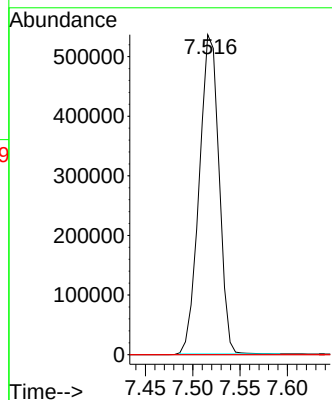
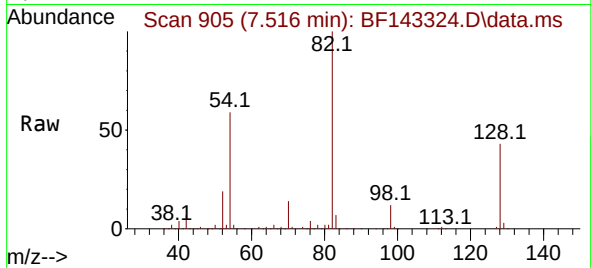




#25
Isophorone
Concen: 50.841 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

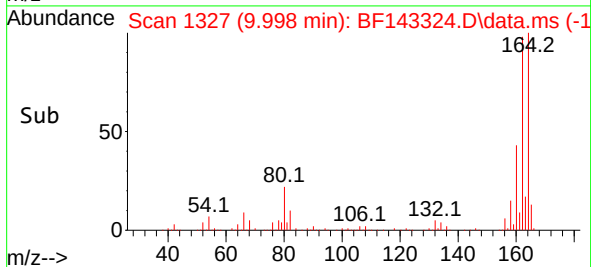
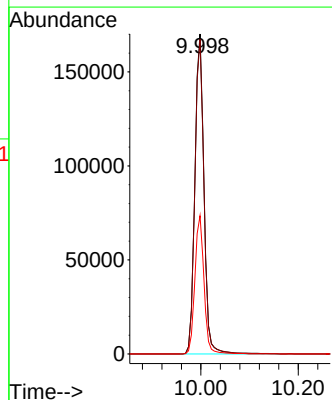
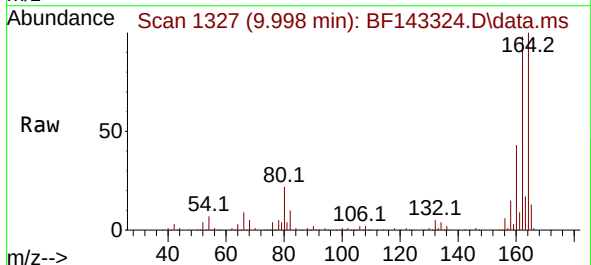
Instrument :
BNA_F
ClientSampleId :
PB169119BL

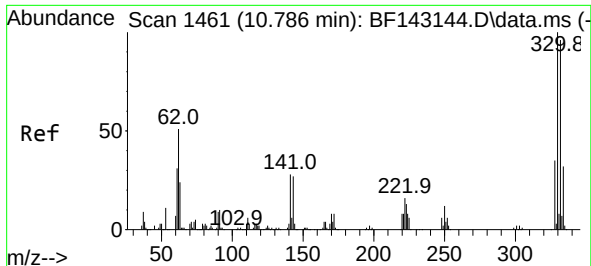
Tgt Ion: 82 Resp: 776930
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion: 164 Resp: 222591
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.6
160 43.2 35.1 52.7

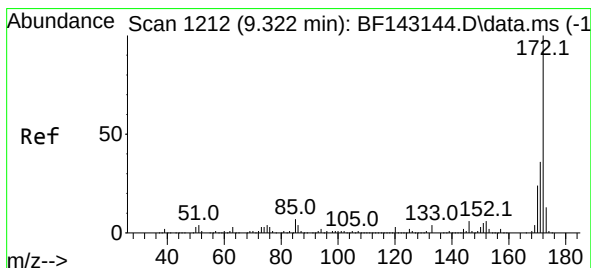
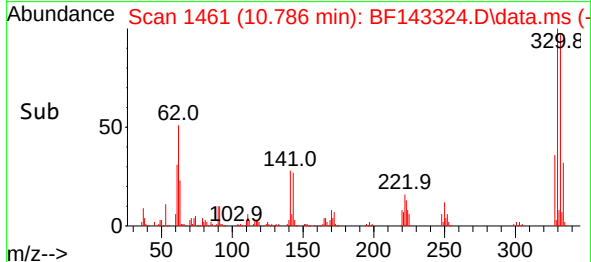
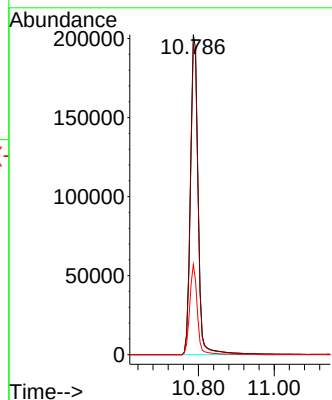
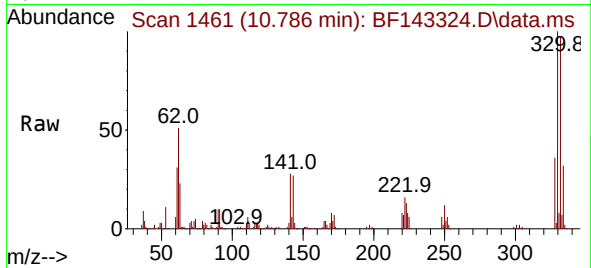




#42
 2,4,6-Tribromophenol
 Concen: 124.391 ng
 RT: 10.786 min Scan# 1461
 Delta R.T. -0.000 min
 Lab File: BF143324.D
 Acq: 06 Aug 2025 12:05

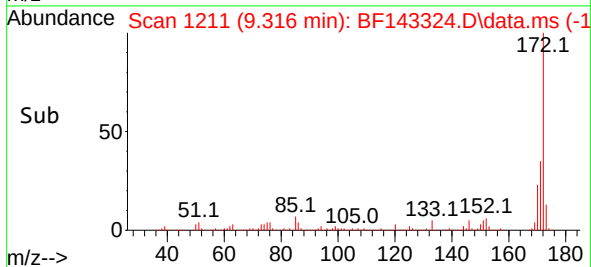
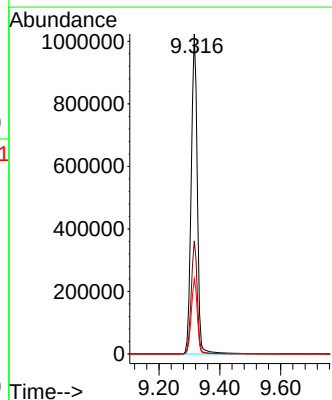
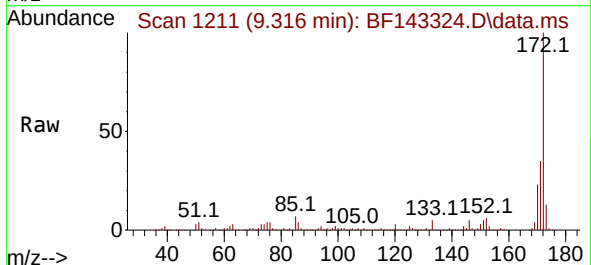
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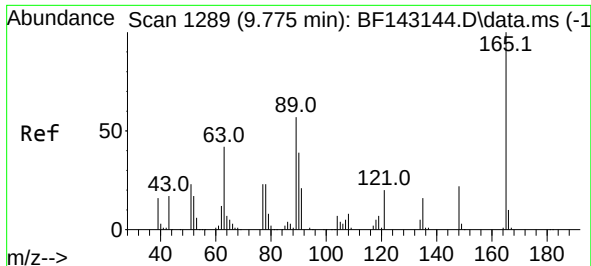
Tgt Ion:330 Resp: 286037
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.7 115.1
 141 27.7 23.3 34.9



#45
 2-Fluorobiphenyl
 Concen: 88.042 ng
 RT: 9.316 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF143324.D
 Acq: 06 Aug 2025 12:05

Tgt Ion:172 Resp: 1432945
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.4 18.8 28.2

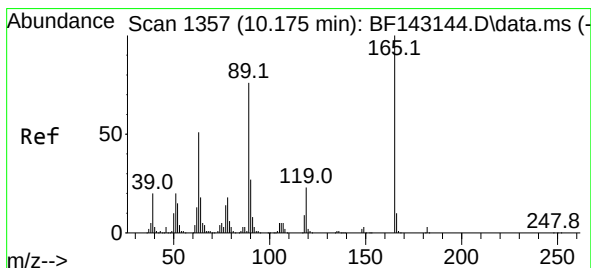
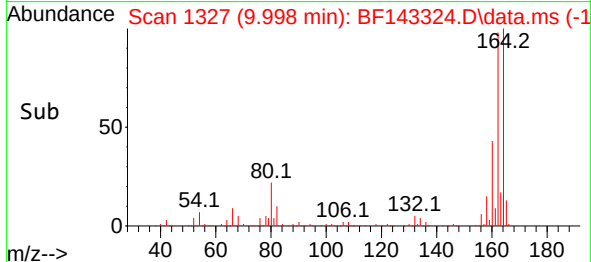
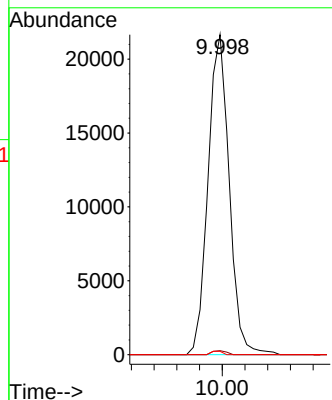
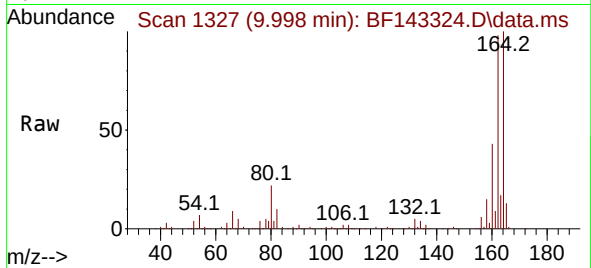




#51
2,6-Dinitrotoluene
Concen: 9.492 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

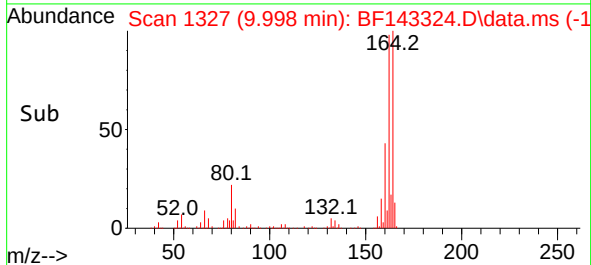
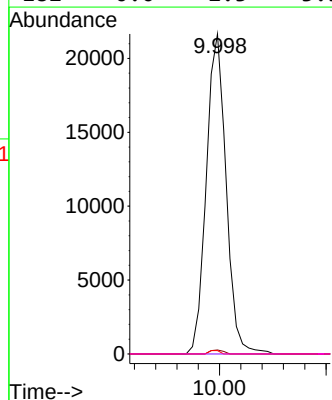
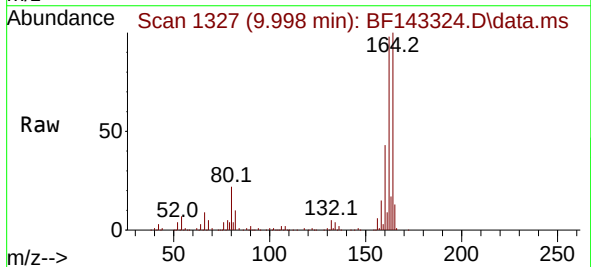
Instrument :
BNA_F
ClientSampleId :
PB169119BL

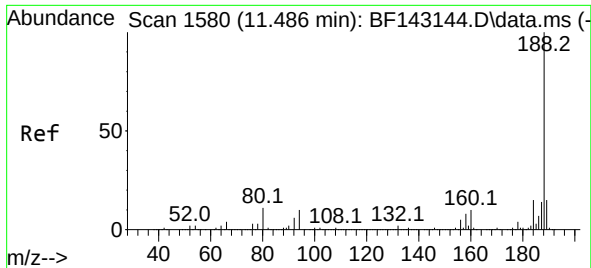
Tgt Ion:165 Resp: 28015
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.2#
89 1.0 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.566 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion:165 Resp: 28016
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.0 61.1 91.7#
182 0.0 2.3 3.5#

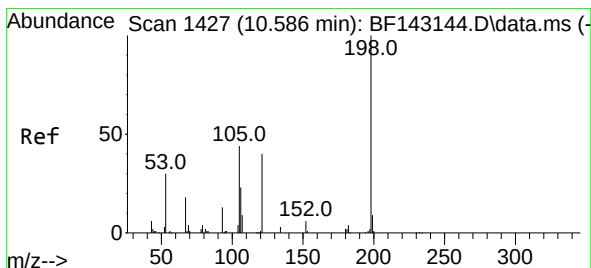
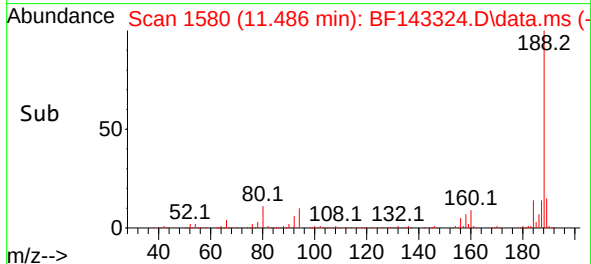
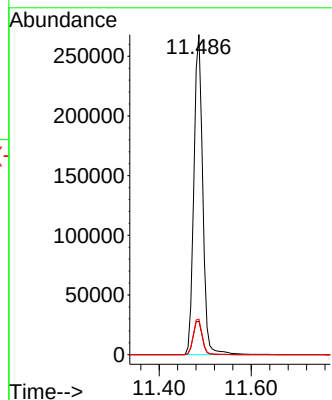
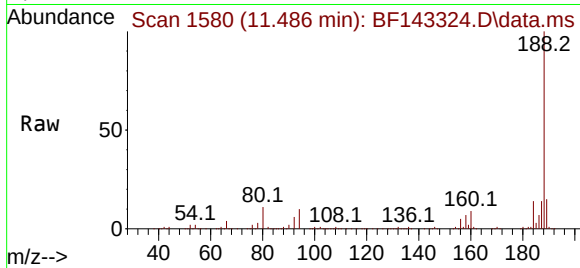




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

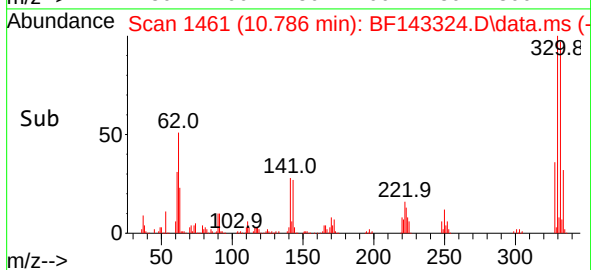
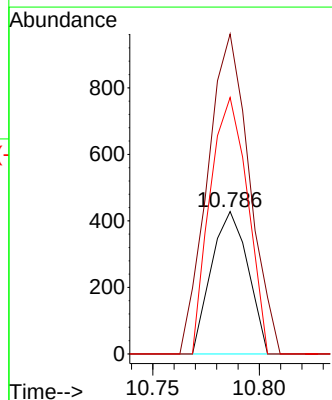
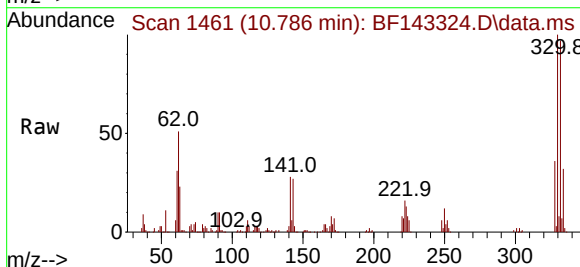
Instrument :
BNA_F
ClientSampleId :
PB169119BL

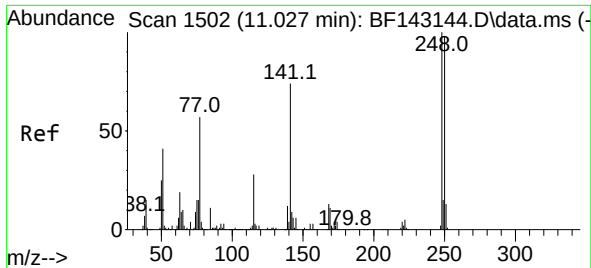
Tgt Ion:188 Resp: 355921
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.1 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.656 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion:198 Resp: 512
Ion Ratio Lower Upper
198 100
51 224.8 37.2 77.2#
105 180.1 24.8 64.8#

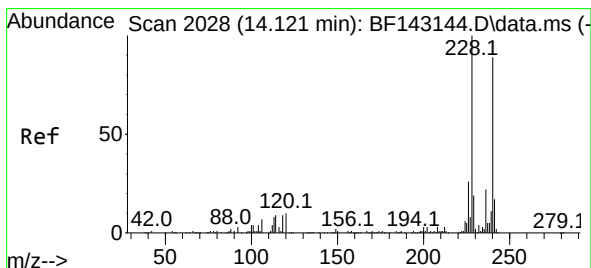
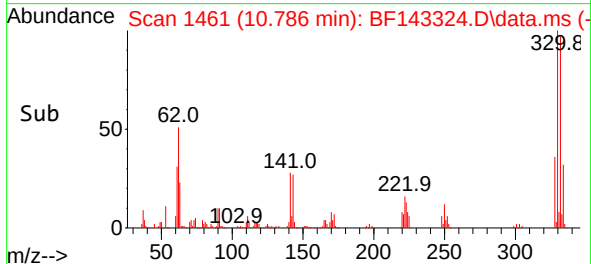
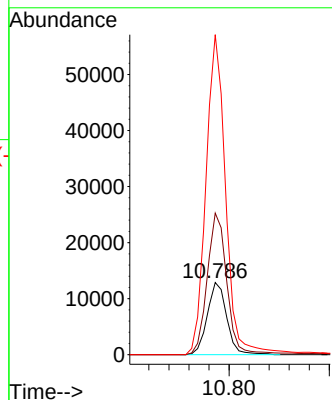
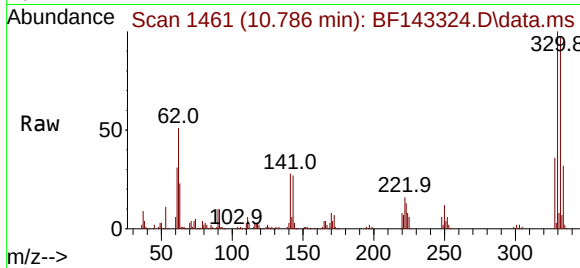




#67
4-Bromophenyl-phenylether
Concen: 4.095 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

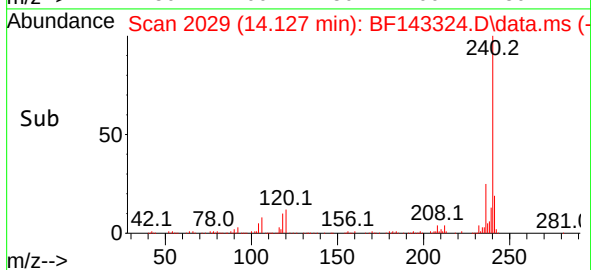
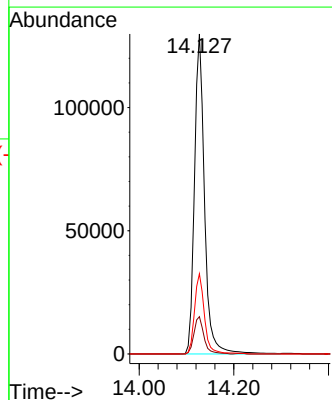
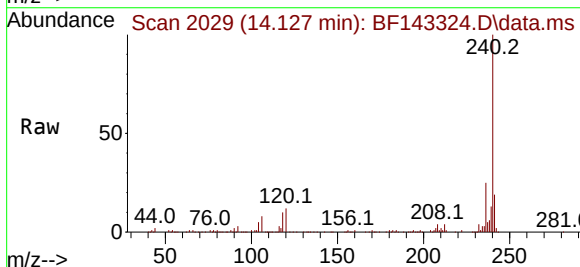
Instrument :
BNA_F
ClientSampleId :
PB169119BL

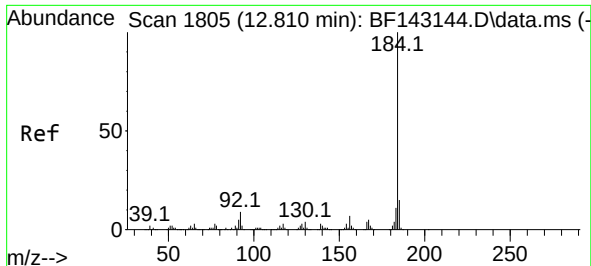
Tgt Ion:248 Resp: 17369
Ion Ratio Lower Upper
248 100
250 196.3 78.3 117.5#
141 443.7 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Tgt Ion:240 Resp: 191645
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 25.0 20.2 30.4

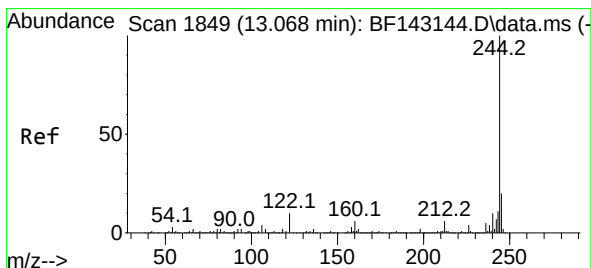
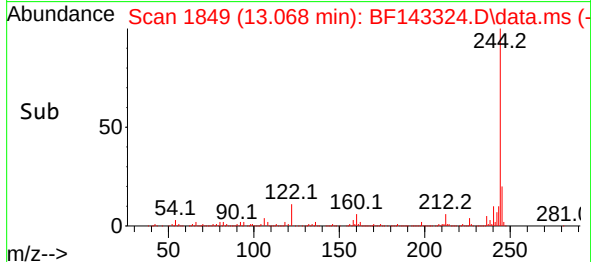
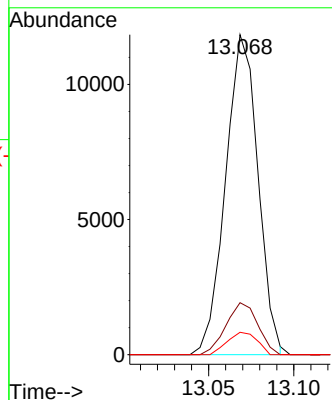
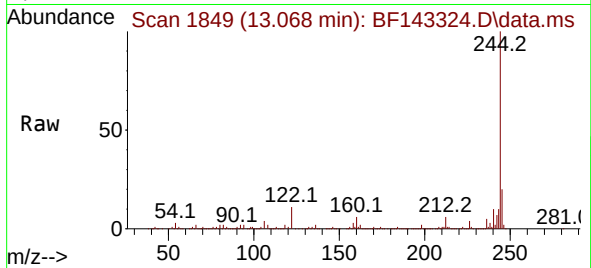




#77
Benzidine
Concen: 2.123 ng
RT: 13.068 min Scan# 1849
Delta R.T. 0.258 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

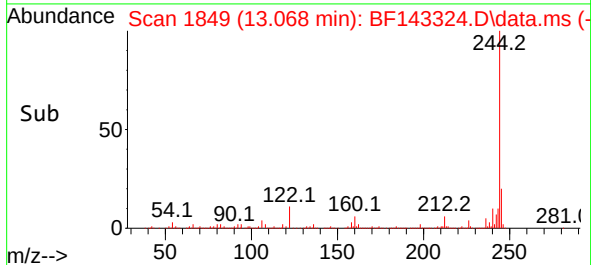
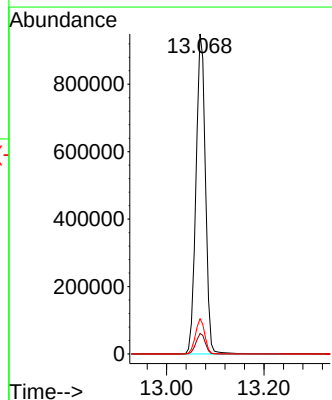
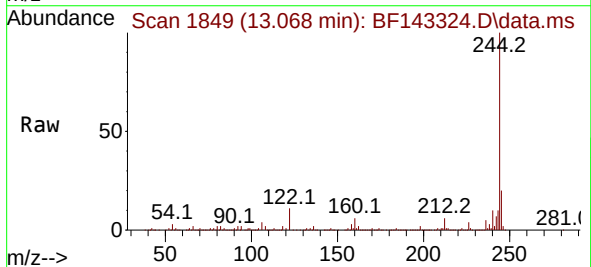
Instrument :
BNA_F
ClientSampleId :
PB169119BL

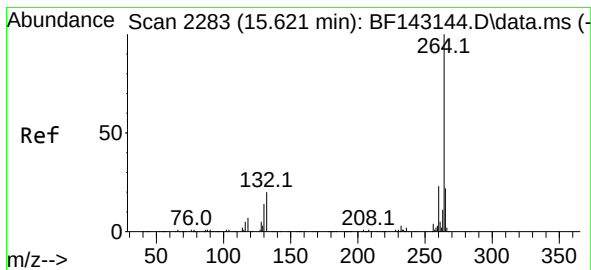
Tgt Ion:184 Resp: 15673
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.4
183 7.0 9.0 13.4#



#79
Terphenyl-d14
Concen: 99.827 ng
RT: 13.068 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

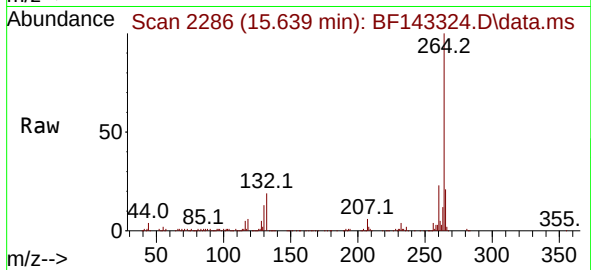
Tgt Ion:244 Resp: 1285613
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 11.0 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143324.D
Acq: 06 Aug 2025 12:05

Instrument :
BNA_F
ClientSampleId :
PB169119BL



Tgt Ion:264 Resp: 181718
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 21.2 17.4 26.2

