

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143322.D
 Acq On : 06 Aug 2025 11:07
 Operator : RC/JU
 Sample : PB169106BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169106BL

Quant Time: Aug 06 11:59:16 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)

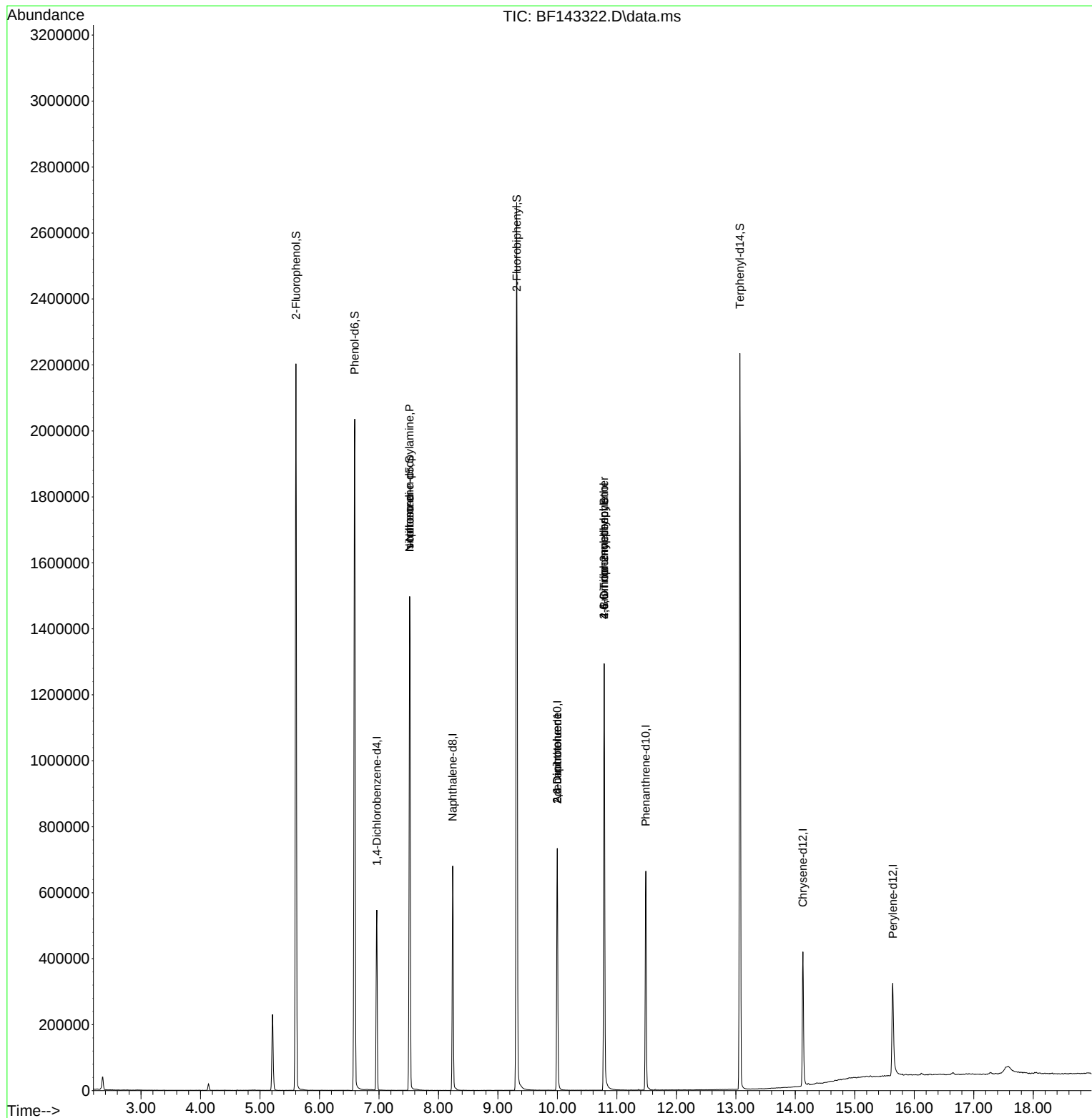
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	112987	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	435846	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	222941	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	350274	20.000	ng	0.00
76) Chrysene-d12	14.127	240	224302	20.000	ng	0.00
86) Perylene-d12	15.639	264	210881	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	825400	115.603	ng	0.02
7) Phenol-d6	6.593	99	1029532	114.559	ng	0.00
23) Nitrobenzene-d5	7.516	82	693452	79.309	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	241347	104.792	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1275712	78.258	ng	0.00
79) Terphenyl-d14	13.069	244	1100223	72.993	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.516	70	91890	15.937	ng	# 80
25) Isophorone	7.516	82	687778	44.558	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	29046	9.825	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	29047	7.832	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	251	5.534	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	14244	3.412	ng	# 1

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

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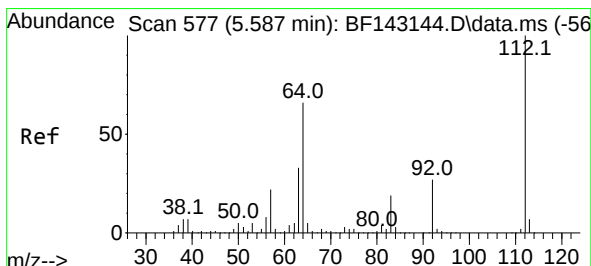
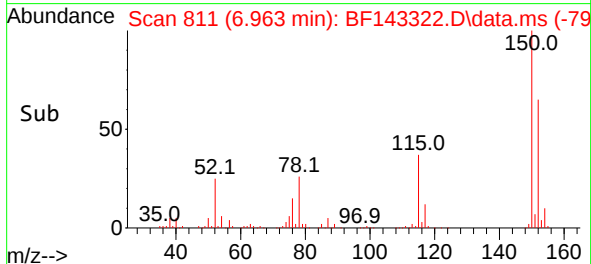
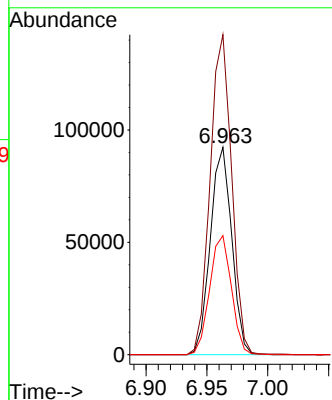
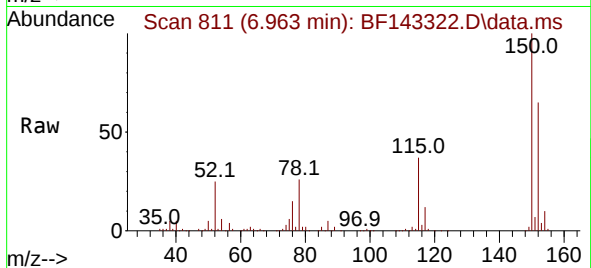




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

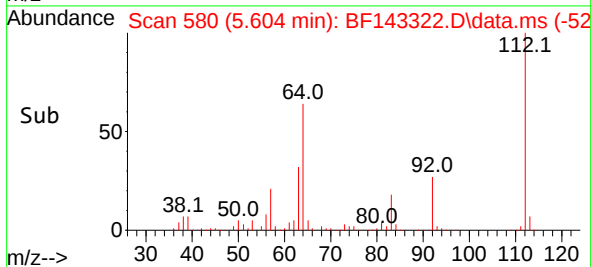
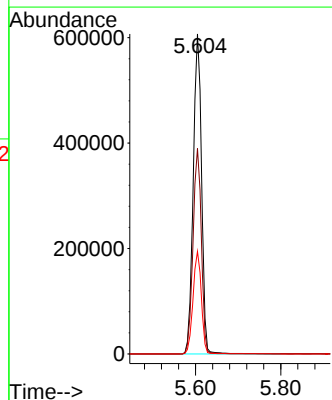
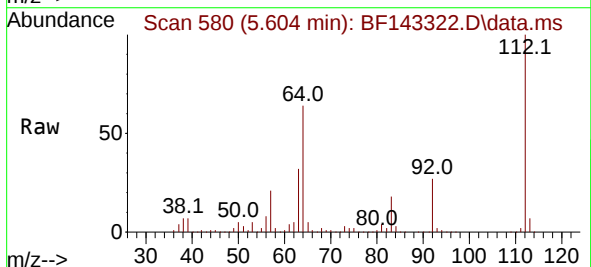
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PB169106BL

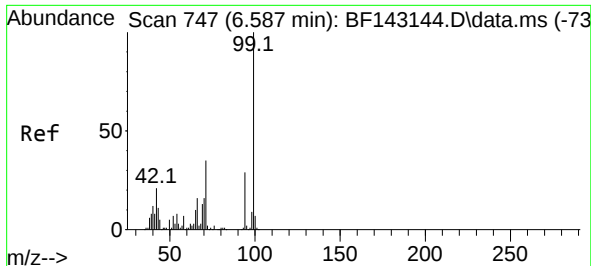
Tgt Ion:152 Resp: 112987
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 57.4 47.9 71.9



#5
2-Fluorophenol
Concen: 115.603 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion:112 Resp: 825400
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 32.0 26.6 40.0

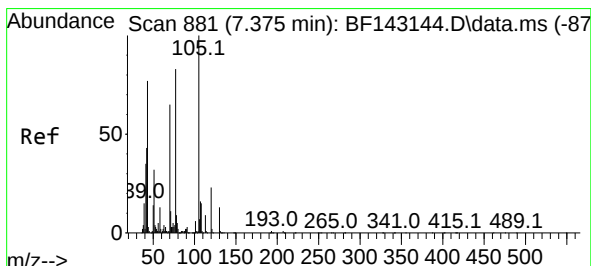
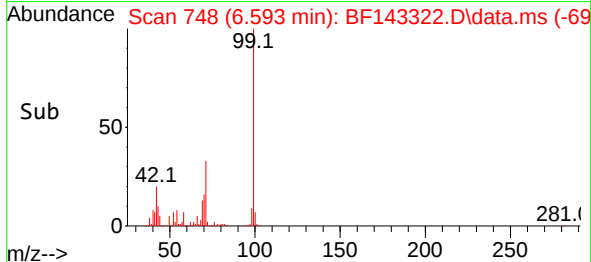
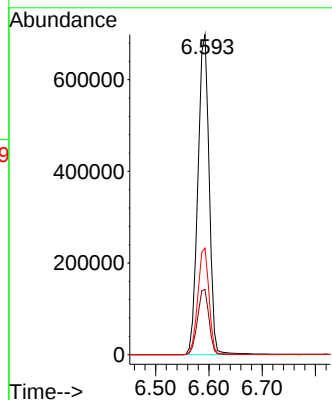
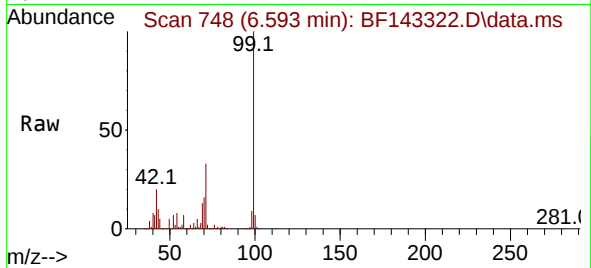




#7
Phenol-d6
Concen: 114.559 ng
RT: 6.593 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

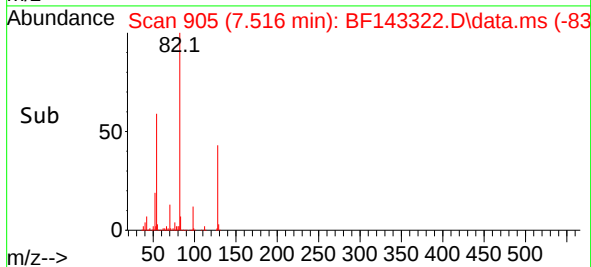
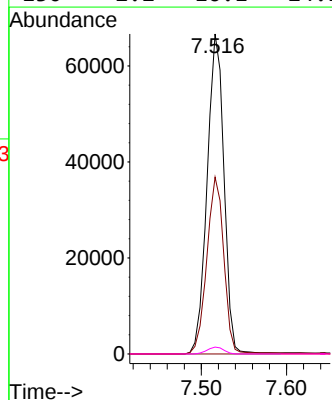
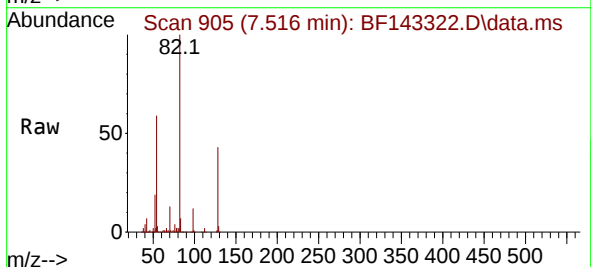
Instrument :
BNA_F
ClientSampleId :
PB169106BL

Tgt Ion: 99 Resp: 1029532
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 33.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.937 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion: 70 Resp: 91890
Ion Ratio Lower Upper
70 100
42 55.2 52.5 78.7
101 0.0 7.6 11.4#
130 2.2 16.1 24.1#

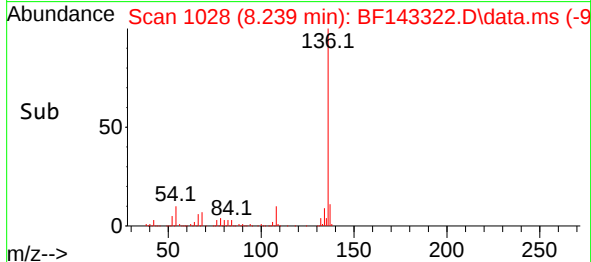
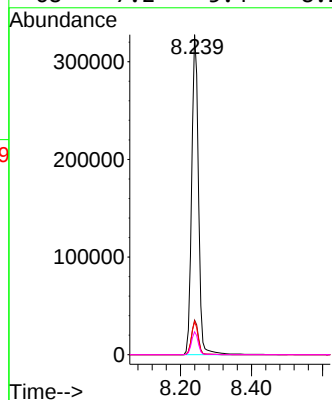
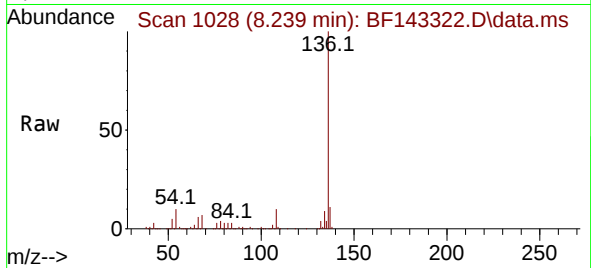




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

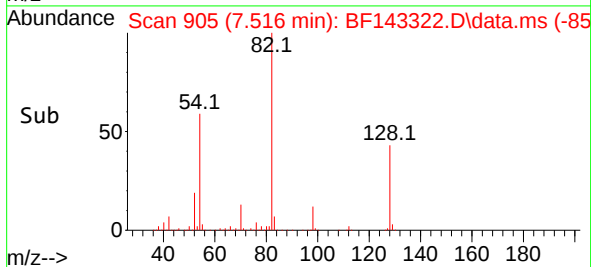
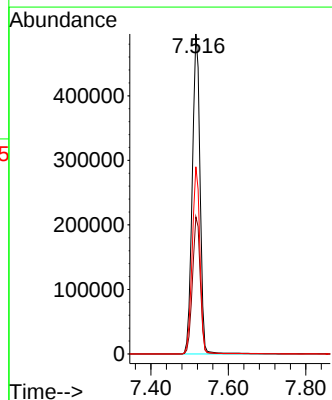
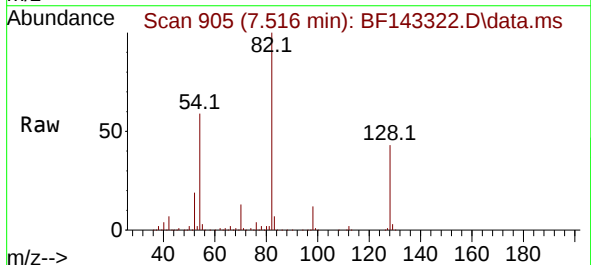
Instrument :
BNA_F
ClientSampleId :
PB169106BL

Tgt Ion:	136	Resp:	435846
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.3	8.2	12.2
68	7.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 79.309 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion:	82	Resp:	693452
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	58.5	47.1	70.7

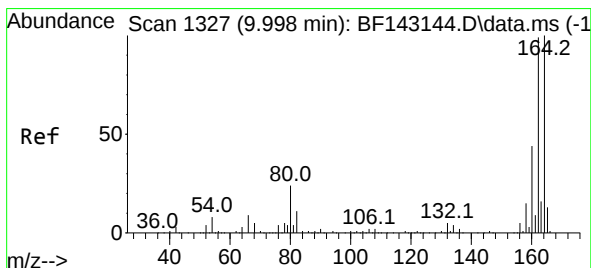
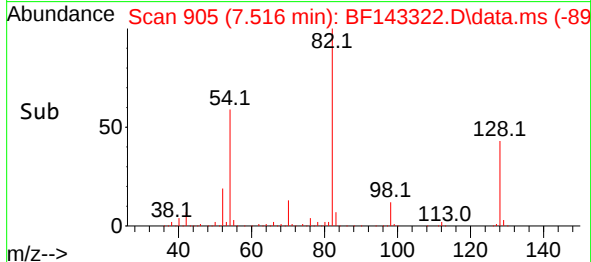
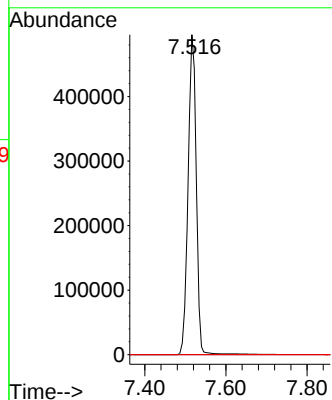
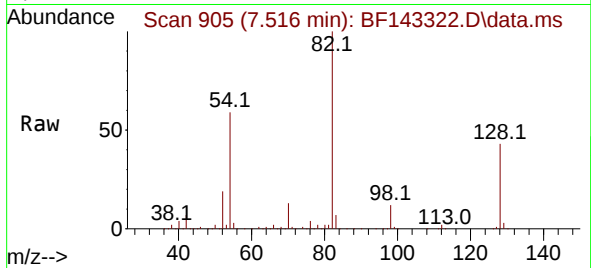




#25
Isophorone
Concen: 44.558 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

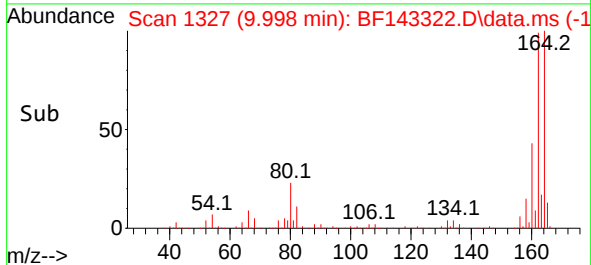
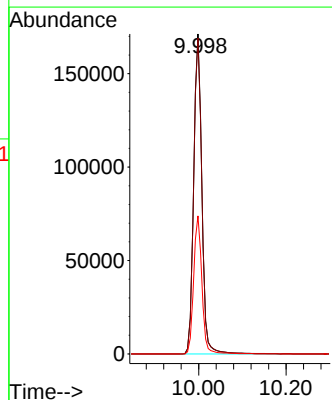
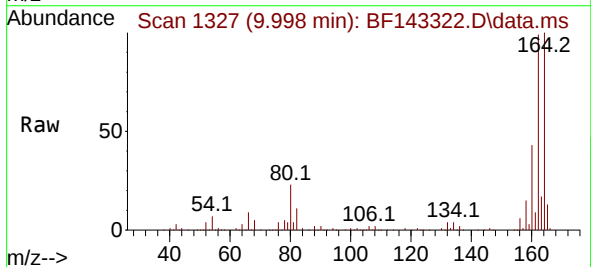
Instrument :
BNA_F
ClientSampleId :
PB169106BL

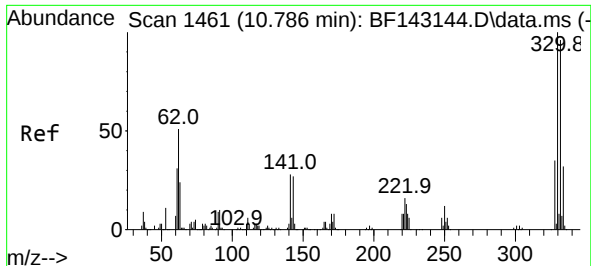
Tgt Ion: 82 Resp: 687778
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

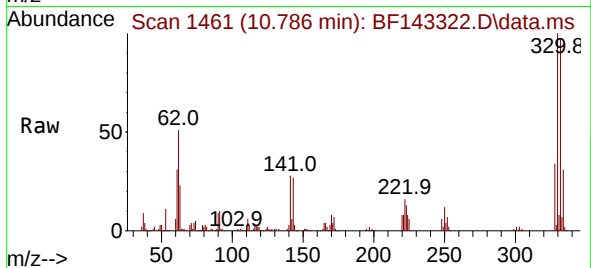
Tgt Ion:164 Resp: 222941
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 43.2 35.1 52.7



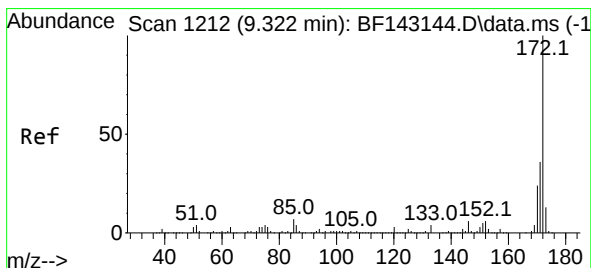
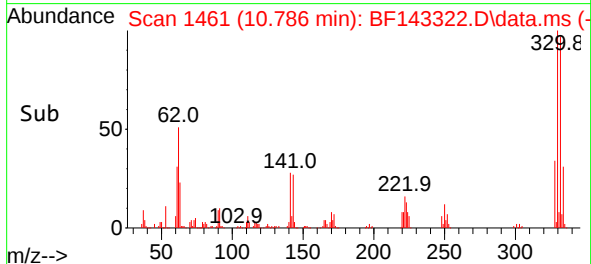
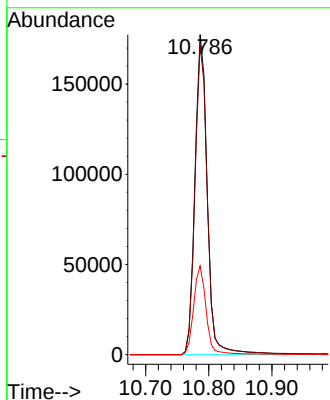


#42
2,4,6-Tribromophenol
Concen: 104.792 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB169106BL

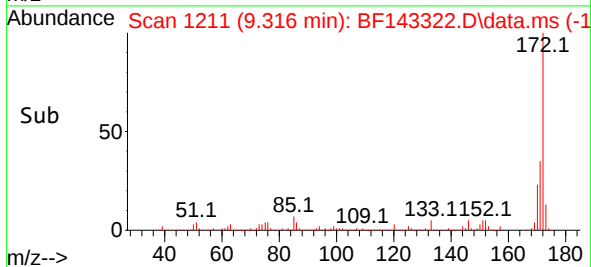
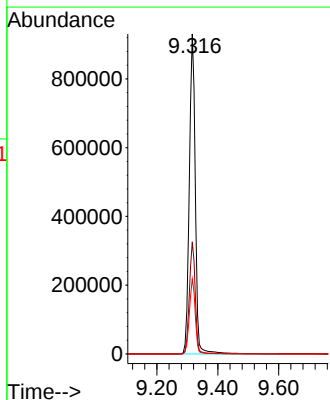
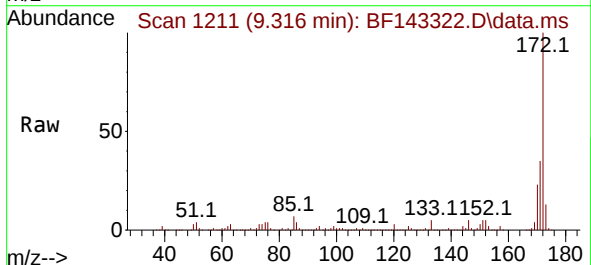


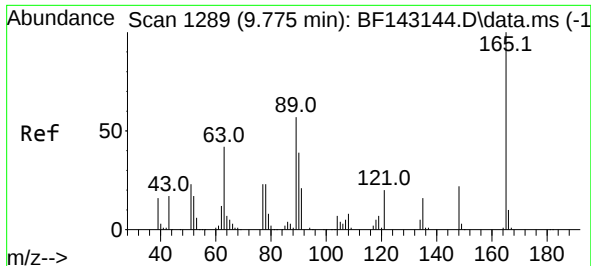
Tgt Ion:330 Resp: 241347
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 28.5 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 78.258 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion:172 Resp: 1275712
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.4 18.8 28.2

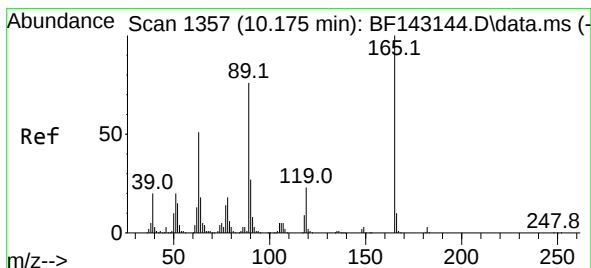
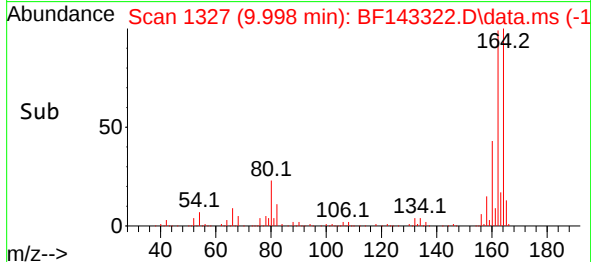
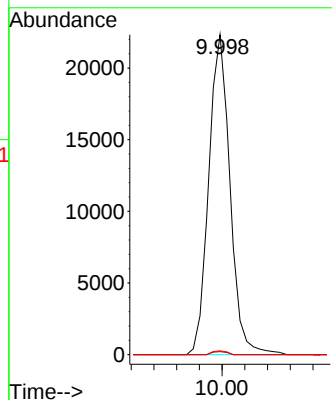
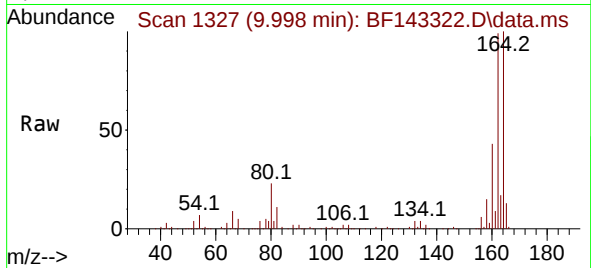




#51
2,6-Dinitrotoluene
Concen: 9.825 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

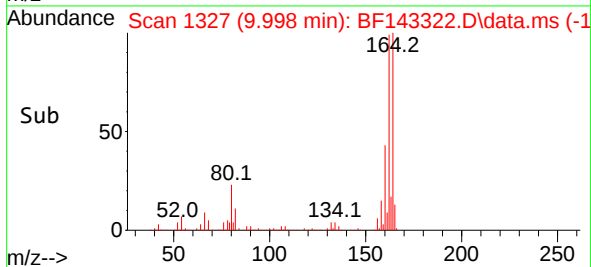
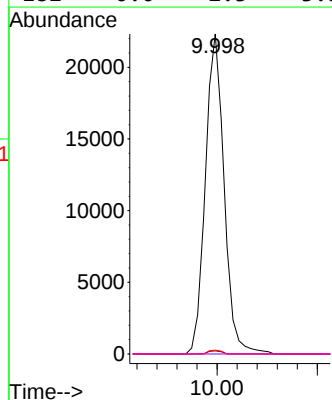
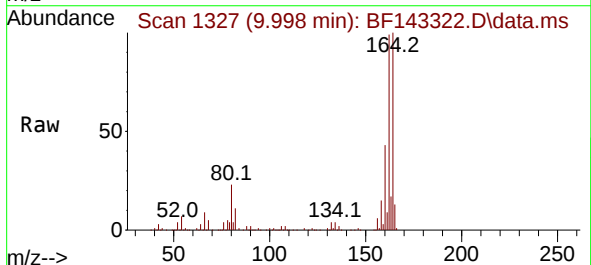
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BNA_F
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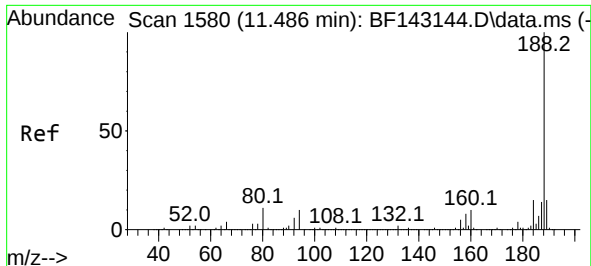
Tgt Ion:165 Resp: 29046
Ion Ratio Lower Upper
165 100
63 0.9 49.4 74.2#
89 1.2 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.832 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion:165 Resp: 29047
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#

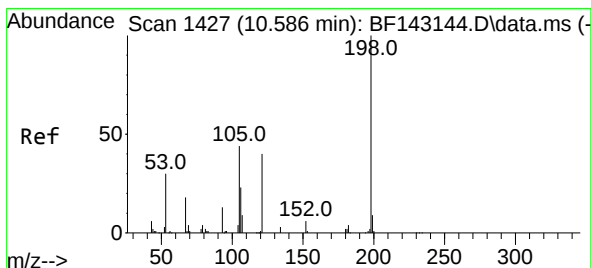
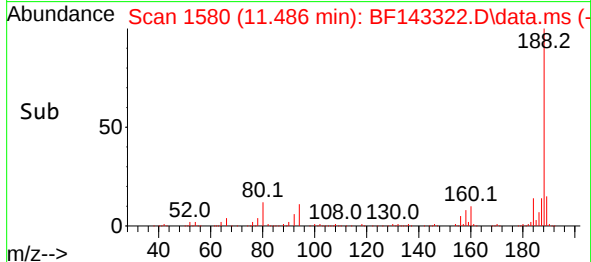
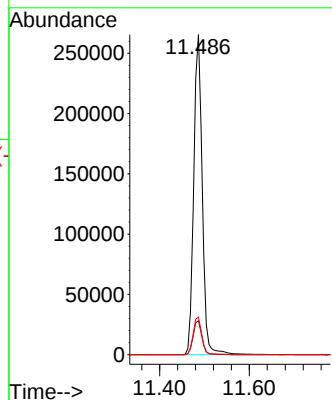
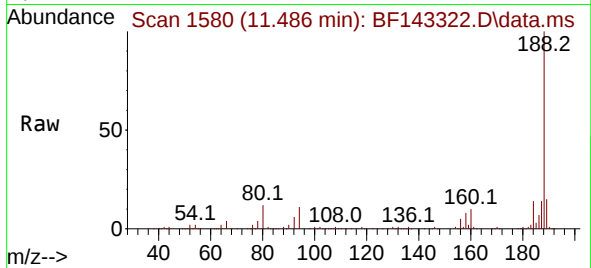




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

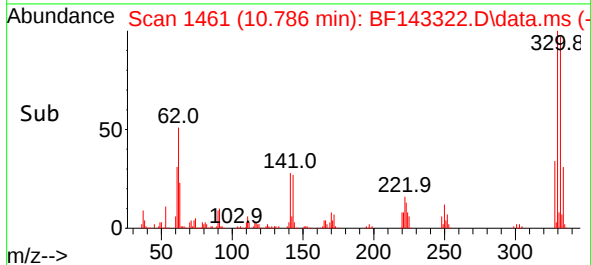
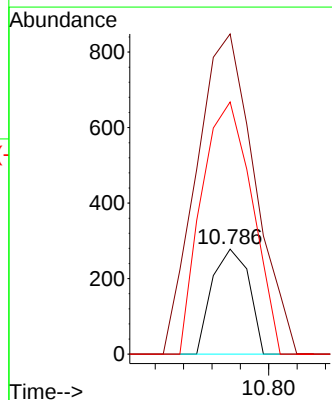
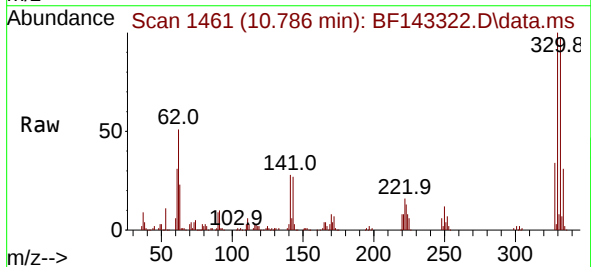
Instrument :
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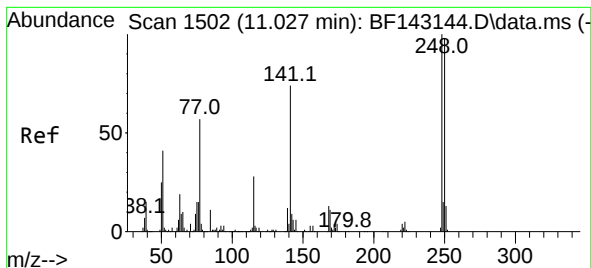
Tgt Ion:188 Resp: 350274
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.7 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.534 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion:198 Resp: 251
Ion Ratio Lower Upper
198 100
51 305.0 37.2 77.2#
105 240.3 24.8 64.8#

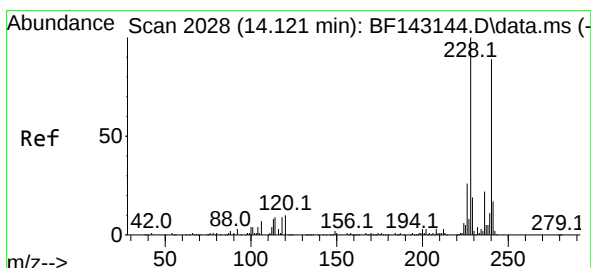
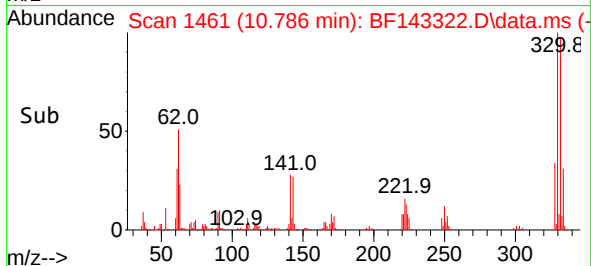
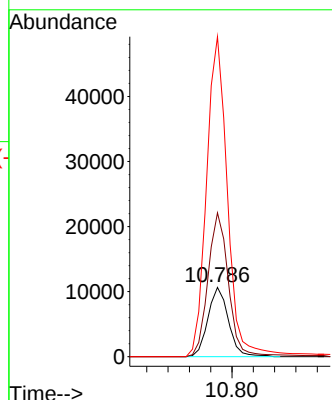
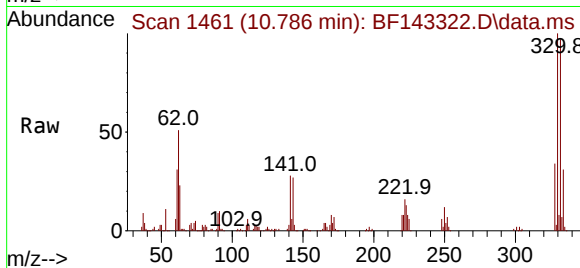




#67
4-Bromophenyl-phenylether
Concen: 3.412 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

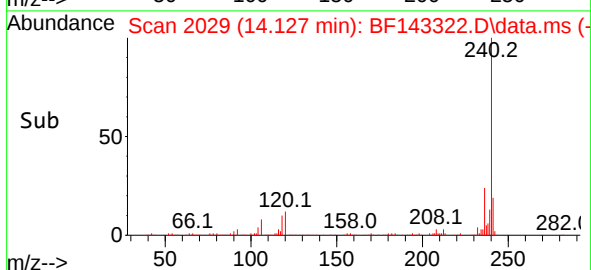
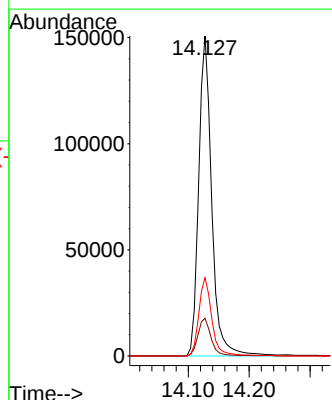
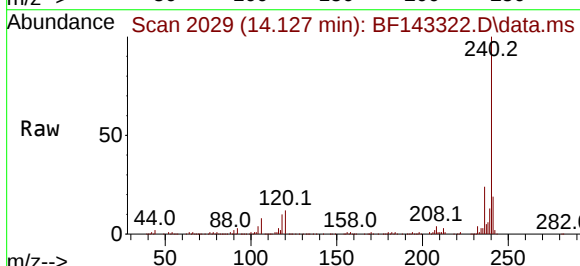
Instrument :
BNA_F
ClientSampleId :
PB169106BL

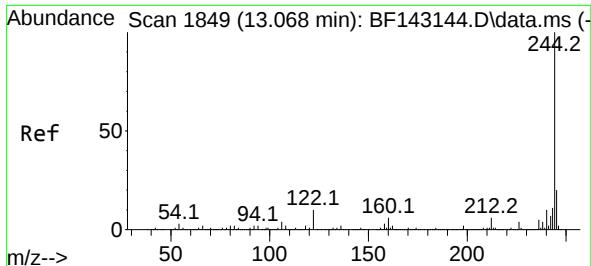
Tgt Ion:248 Resp: 14244
Ion Ratio Lower Upper
248 100
250 207.5 78.3 117.5#
141 461.6 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143322.D
Acq: 06 Aug 2025 11:07

Tgt Ion:240 Resp: 224302
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 24.4 20.2 30.4

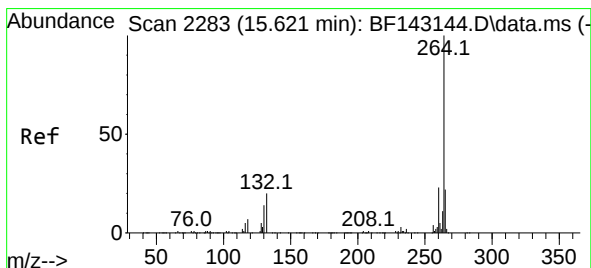
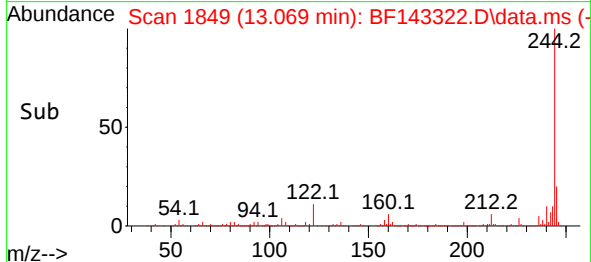
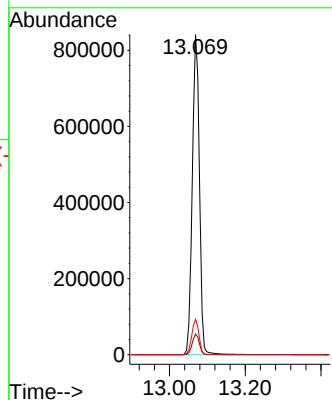
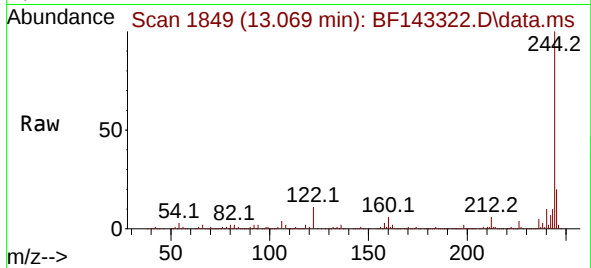




#79
 Terphenyl-d14
 Concen: 72.993 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143322.D
 Acq: 06 Aug 2025 11:07

Instrument :
 BNA_F
 ClientSampleId :
 PB169106BL

Tgt Ion:244 Resp: 1100223
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 11.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.639 min Scan# 2286
 Delta R.T. 0.018 min
 Lab File: BF143322.D
 Acq: 06 Aug 2025 11:07

Tgt Ion:264 Resp: 210881
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 21.3 17.4 26.2

