

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143283.D
 Acq On : 01 Aug 2025 15:34
 Operator : RC/JU
 Sample : PB169087BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169087BL

Quant Time: Aug 01 16:16:50 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)

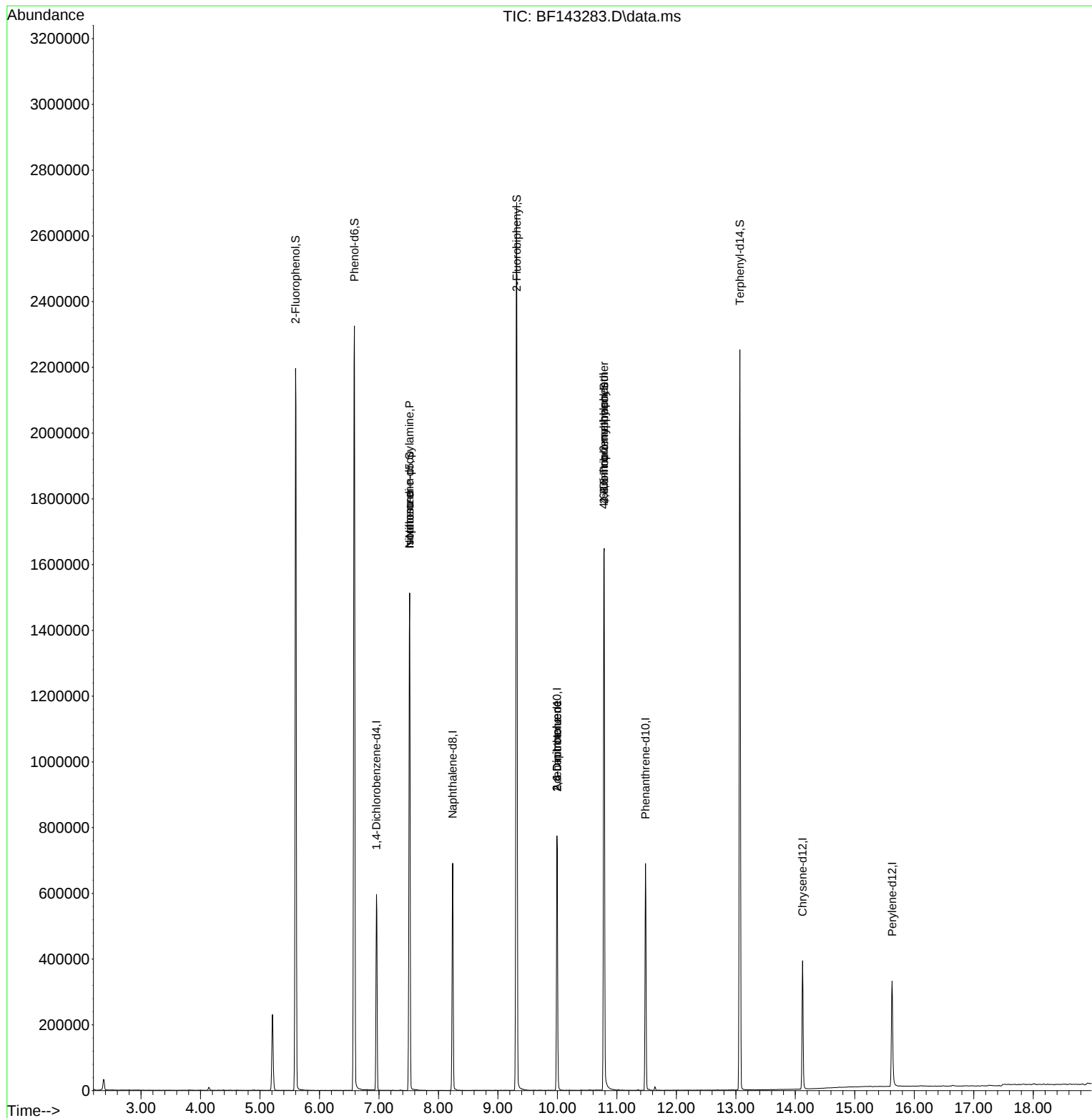
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	122064	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	445180	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	235574	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	350199	20.000	ng	0.00
76) Chrysene-d12	14.121	240	197500	20.000	ng	0.00
86) Perylene-d12	15.627	264	205940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	846371	109.725	ng	0.01
7) Phenol-d6	6.587	99	1204079	124.018	ng	0.00
23) Nitrobenzene-d5	7.516	82	711468	79.663	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	318796	130.997	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1316963	76.456	ng	0.00
79) Terphenyl-d14	13.069	244	1118194	84.253	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	97033	15.578	ng	# 77
25) Isophorone	7.516	82	704680	44.696	ng	# 66
51) 2,6-Dinitrotoluene	9.992	165	31085	9.951	ng	# 22
57) 2,4-Dinitrotoluene	9.992	165	31085	7.932	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.780	198	488	5.648	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19441	4.658	ng	# 1

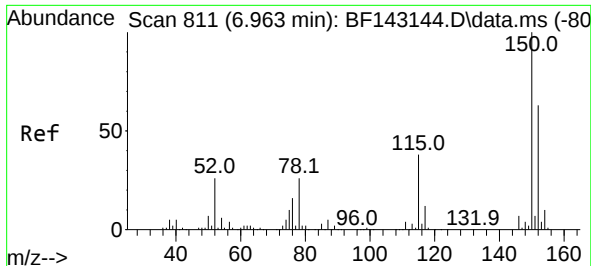
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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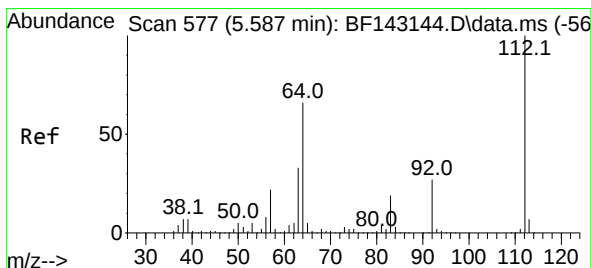
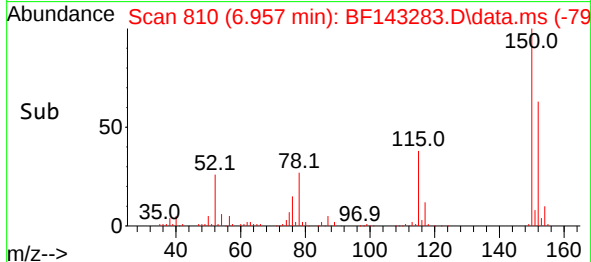
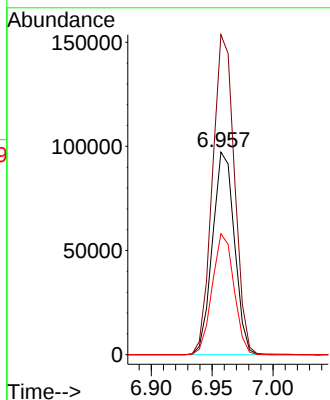
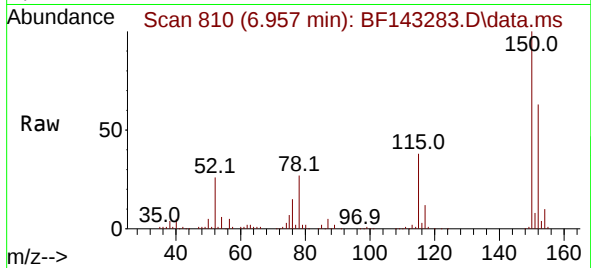




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

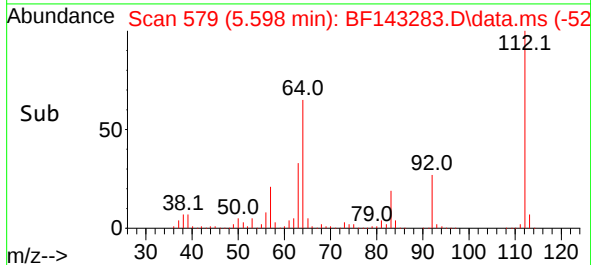
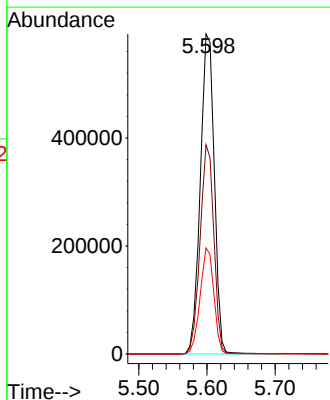
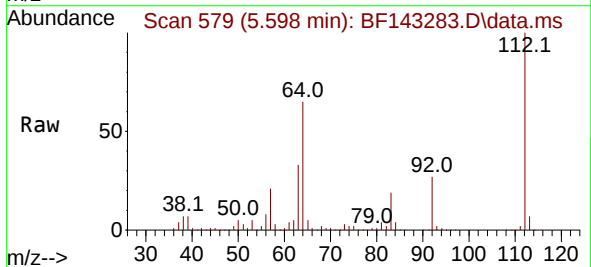
Instrument :
BNA_F
ClientSampleId :
PB169087BL

Tgt Ion:152 Resp: 122064
Ion Ratio Lower Upper
152 100
150 157.9 128.2 192.4
115 59.7 47.9 71.9



#5
2-Fluorophenol
Concen: 109.725 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion:112 Resp: 846371
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 33.2 26.6 40.0

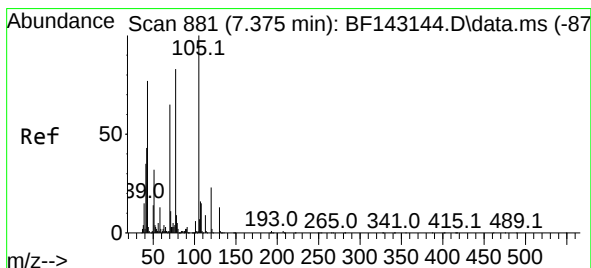
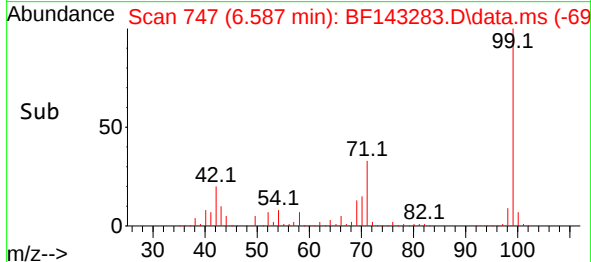
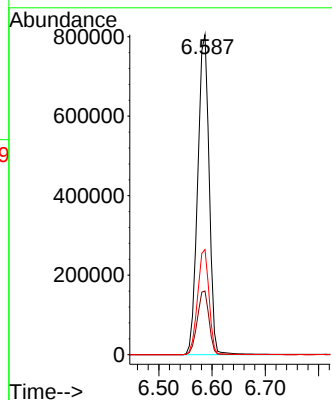
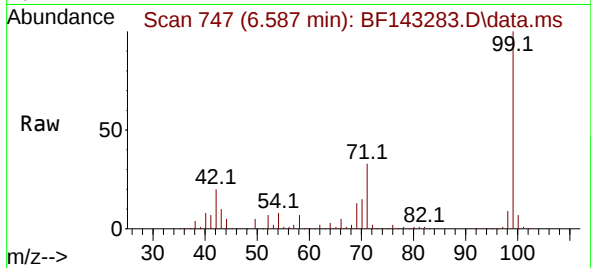




#7
Phenol-d6
Concen: 124.018 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

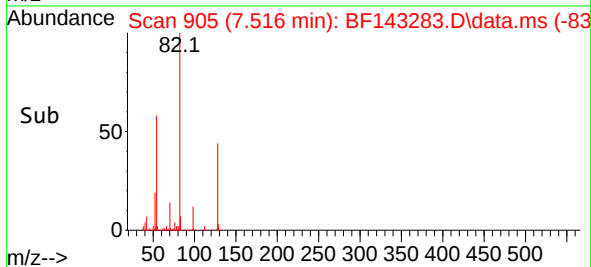
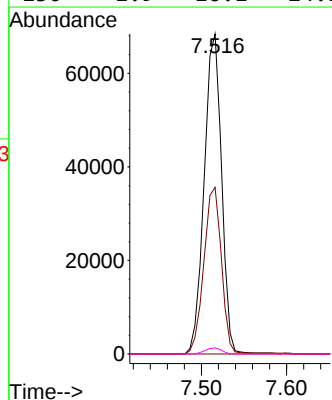
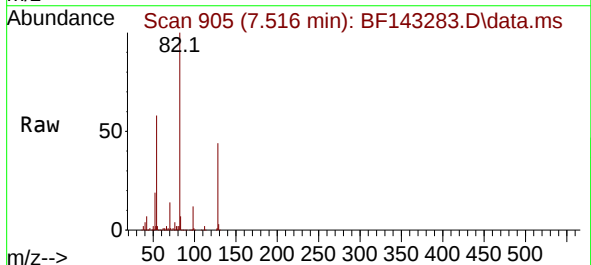
Instrument :
BNA_F
ClientSampleId :
PB169087BL

Tgt Ion: 99 Resp: 1204079
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.6
71 32.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.578 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion: 70 Resp: 97033
Ion Ratio Lower Upper
70 100
42 52.0 52.5 78.7#
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#

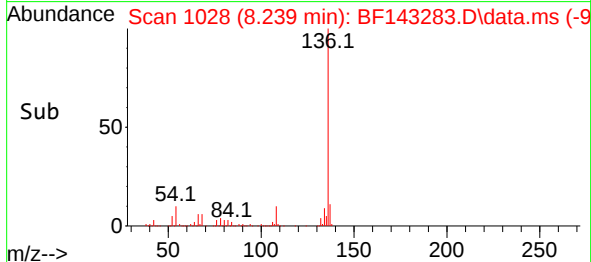
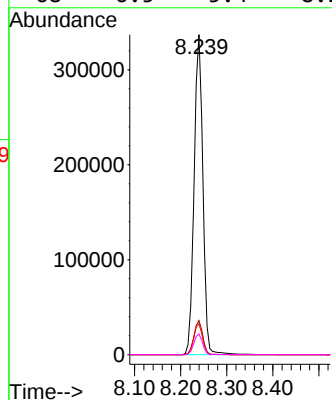
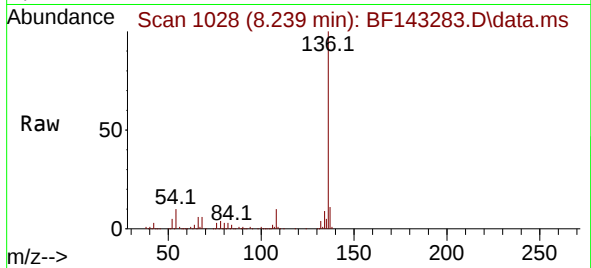




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

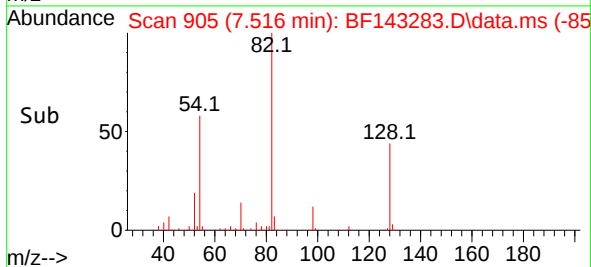
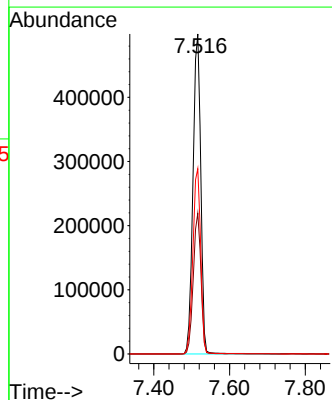
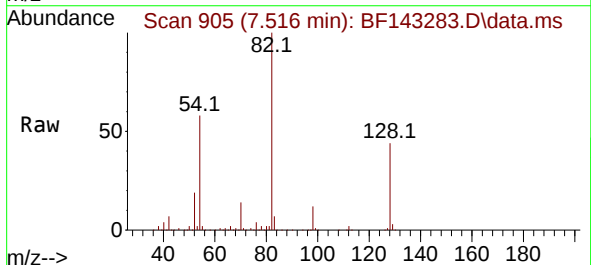
Instrument :
BNA_F
ClientSampleId :
PB169087BL

Tgt Ion:136	Resp: 445180
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 9.7	8.2 12.2
68 6.5	5.4 8.2



#23
Nitrobenzene-d5
Concen: 79.663 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion: 82	Resp: 711468
Ion Ratio	Lower Upper
82 100	
128 44.0	33.6 50.4
54 57.9	47.1 70.7

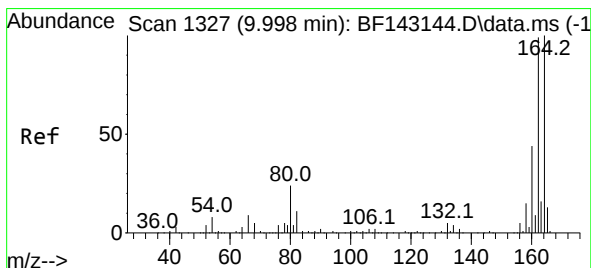
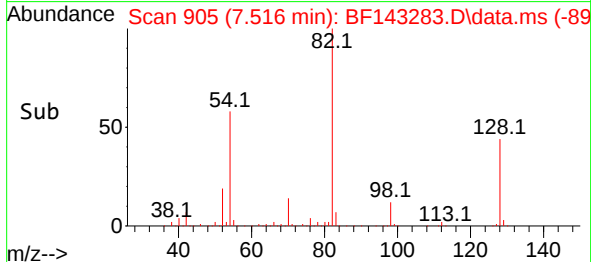
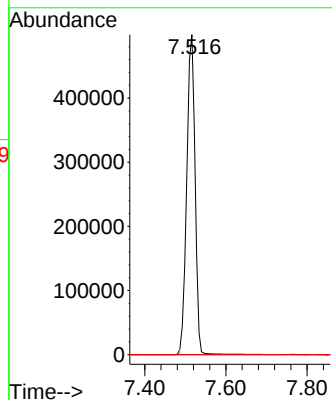
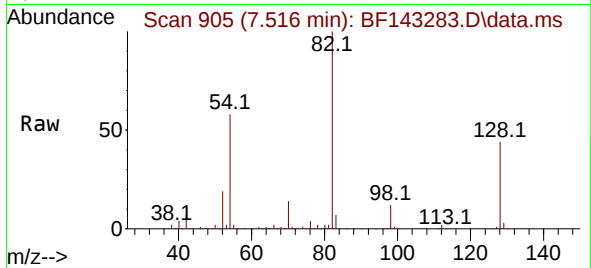




#25
Isophorone
Concen: 44.696 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

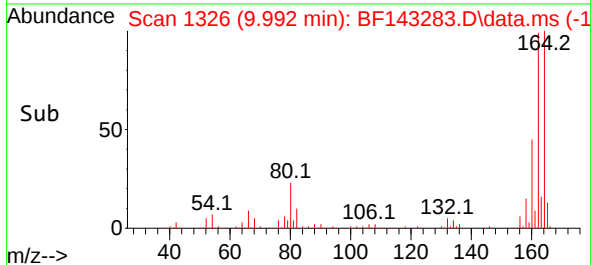
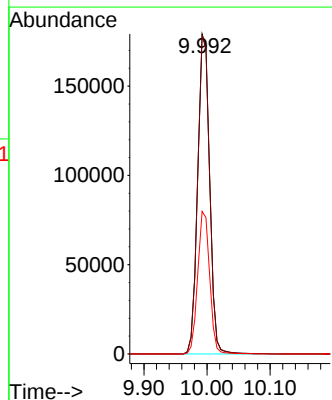
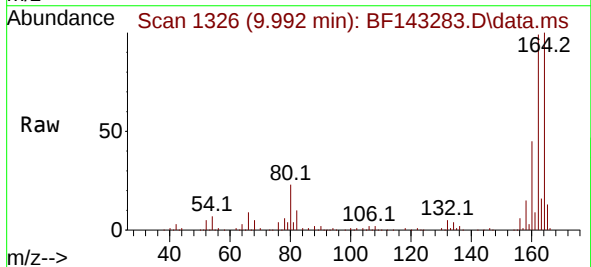
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ClientSampleId :
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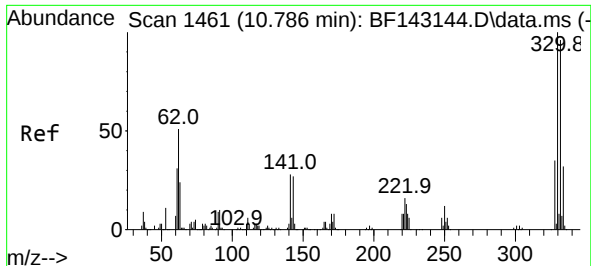
Tgt Ion: 82 Resp: 704680
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion:164 Resp: 235574
Ion Ratio Lower Upper
164 100
162 99.5 79.0 118.6
160 44.5 35.1 52.7

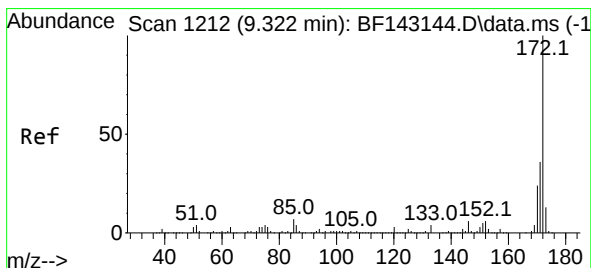
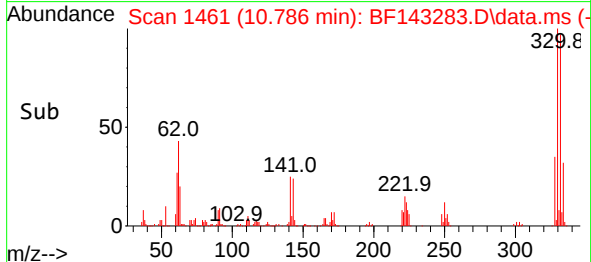
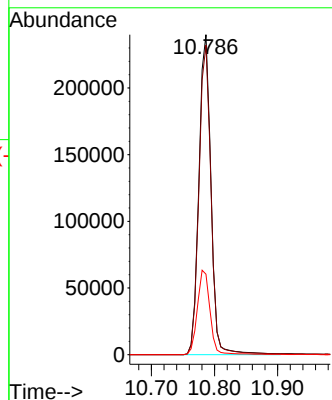
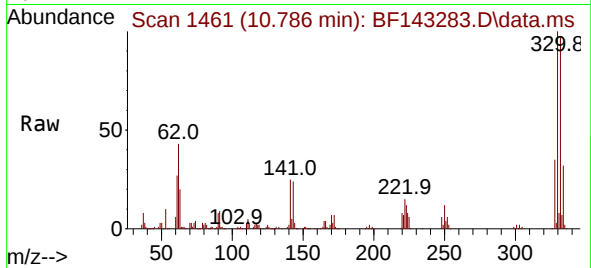




#42
 2,4,6-Tribromophenol
 Concen: 130.997 ng
 RT: 10.786 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: BF143283.D
 Acq: 01 Aug 2025 15:34

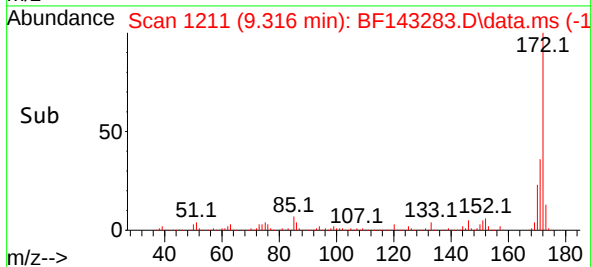
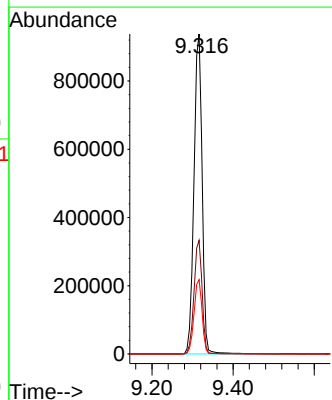
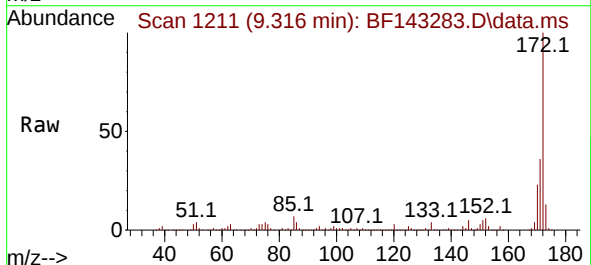
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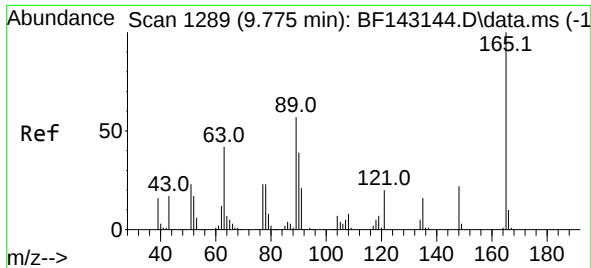
Tgt Ion: 330 Resp: 318796
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.7 115.1
 141 27.8 23.3 34.9



#45
 2-Fluorobiphenyl
 Concen: 76.456 ng
 RT: 9.316 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF143283.D
 Acq: 01 Aug 2025 15:34

Tgt Ion: 172 Resp: 1316963
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.3 18.8 28.2

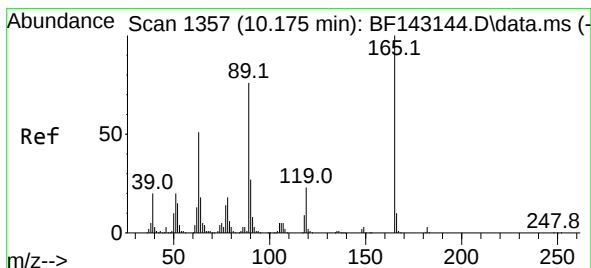
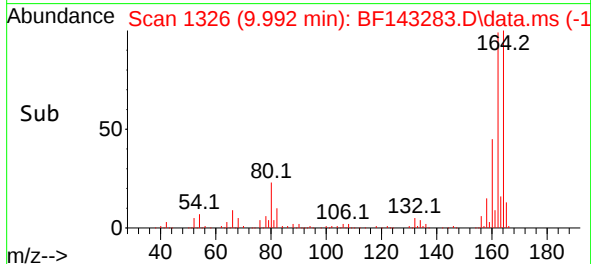
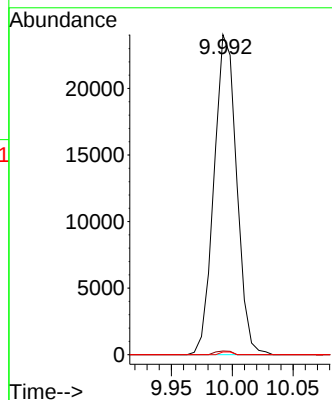
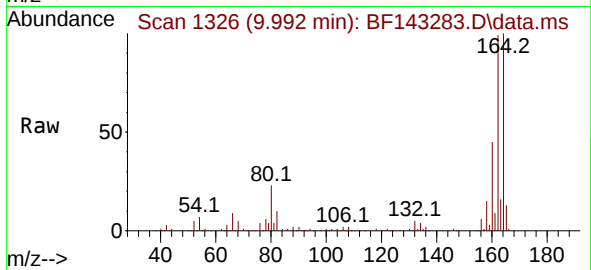




#51
2,6-Dinitrotoluene
Concen: 9.951 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

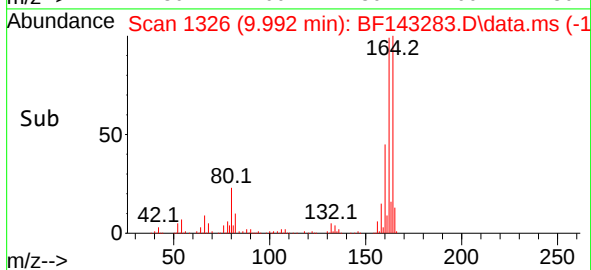
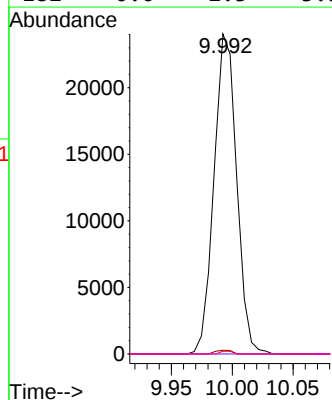
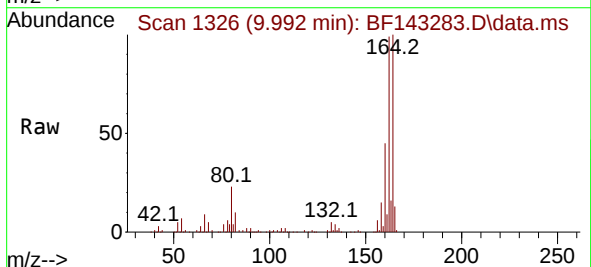
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ClientSampleId :
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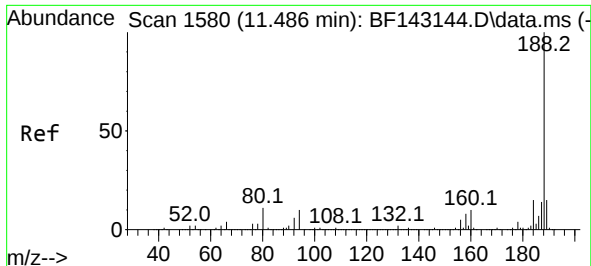
Tgt Ion:165 Resp: 31085
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.2#
89 0.9 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.932 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.182 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion:165 Resp: 31085
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 0.9 61.1 91.7#
182 0.0 2.3 3.5#

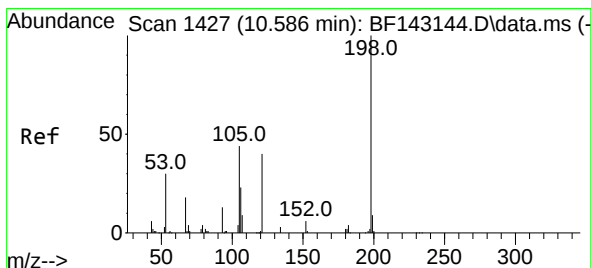
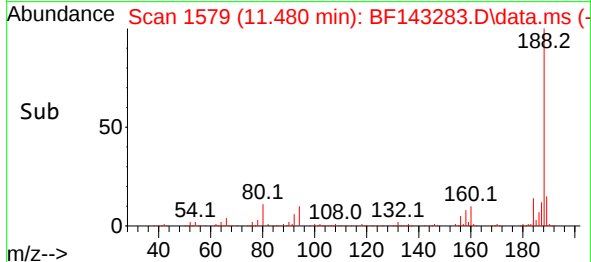
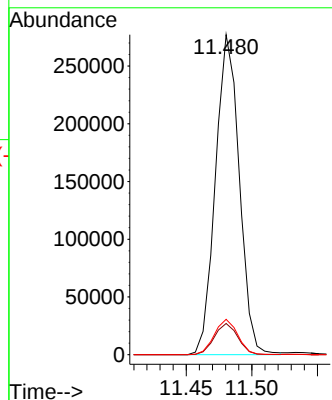
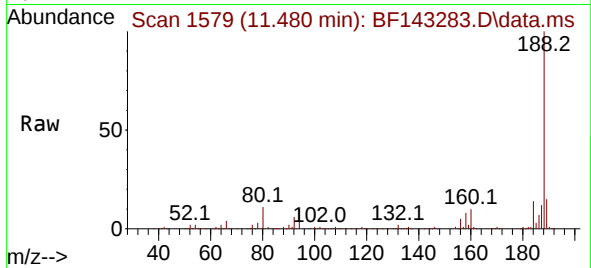




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

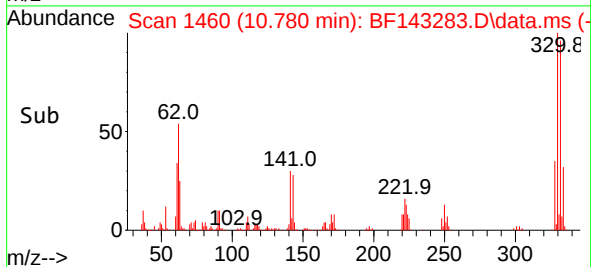
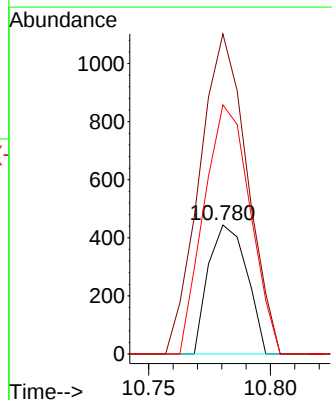
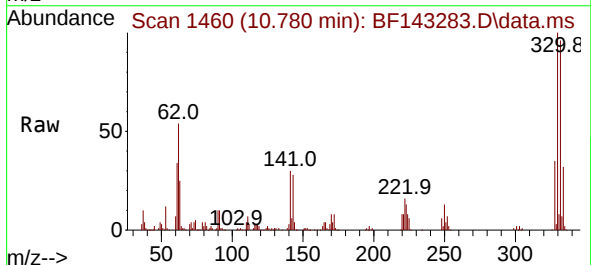
Instrument :
BNA_F
ClientSampleId :
PB169087BL

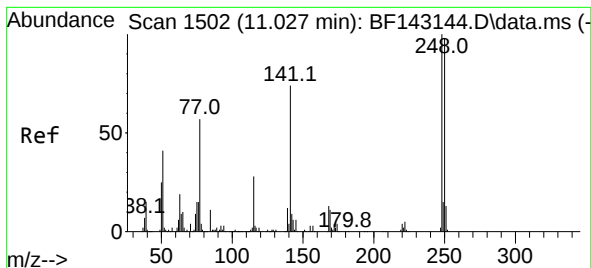
Tgt Ion:188 Resp: 350199
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 11.0 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.648 ng
RT: 10.780 min Scan# 1460
Delta R.T. 0.194 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion:198 Resp: 488
Ion Ratio Lower Upper
198 100
51 248.2 37.2 77.2#
105 193.2 24.8 64.8#

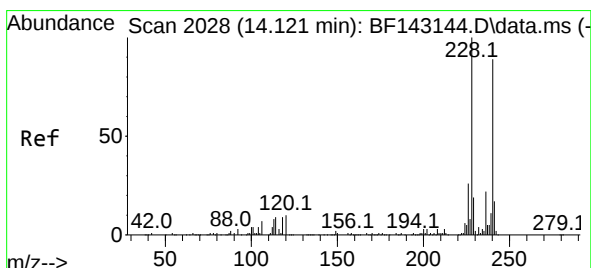
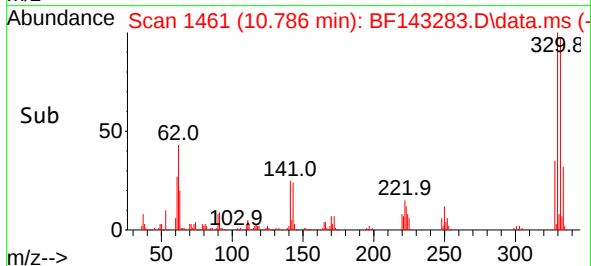
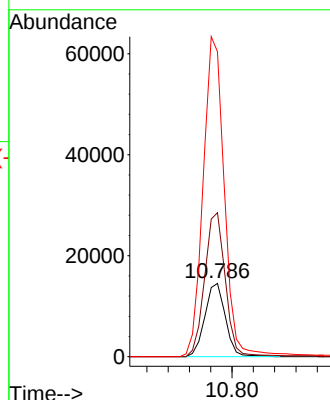
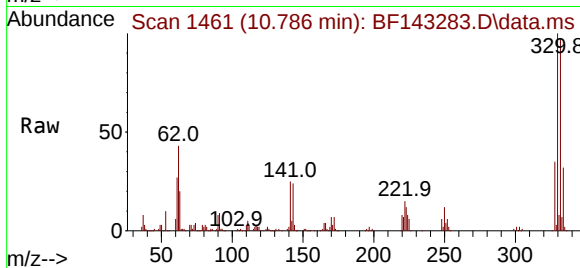




#67
4-Bromophenyl-phenylether
Concen: 4.658 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

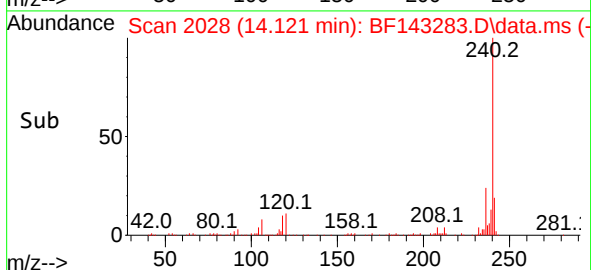
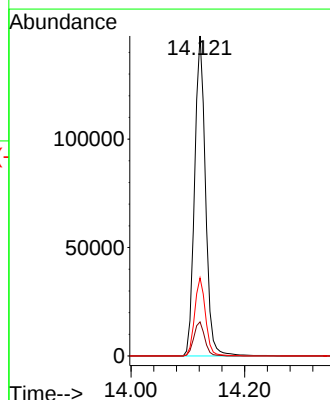
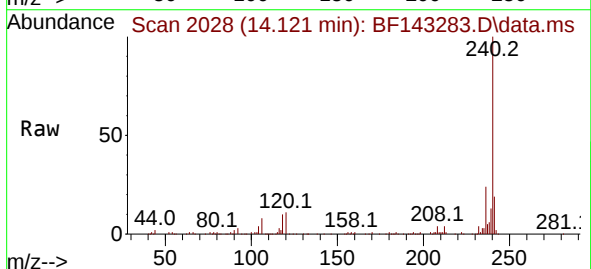
Instrument :
BNA_F
ClientSampleId :
PB169087BL

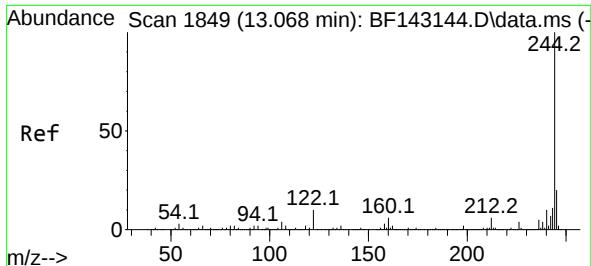
Tgt Ion:248 Resp: 19441
Ion Ratio Lower Upper
248 100
250 196.3 78.3 117.5#
141 415.8 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143283.D
Acq: 01 Aug 2025 15:34

Tgt Ion:240 Resp: 197500
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 24.4 20.2 30.4

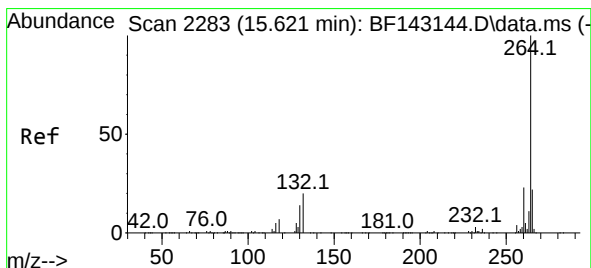
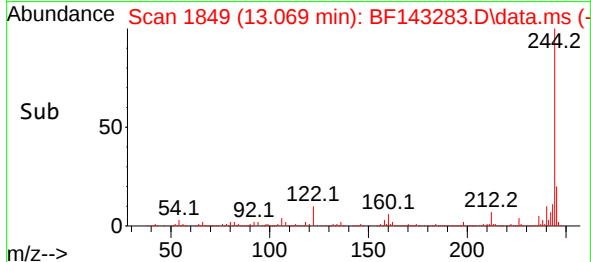
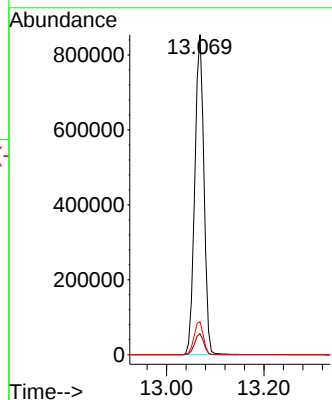
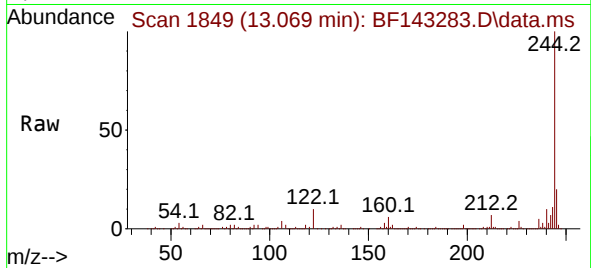




#79
 Terphenyl-d14
 Concen: 84.253 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143283.D
 Acq: 01 Aug 2025 15:34

Instrument :
 BNA_F
 ClientSampleId :
 PB169087BL

Tgt Ion:244 Resp: 1118194
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143283.D
 Acq: 01 Aug 2025 15:34

Tgt Ion:264 Resp: 205940
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.5 27.7
 265 21.4 17.4 26.2

