

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144390.D
 Acq On : 01 Dec 2025 16:44
 Operator : RC/JU
 Sample : Q3732-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-11-26-2025

Quant Time: Dec 01 17:19:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

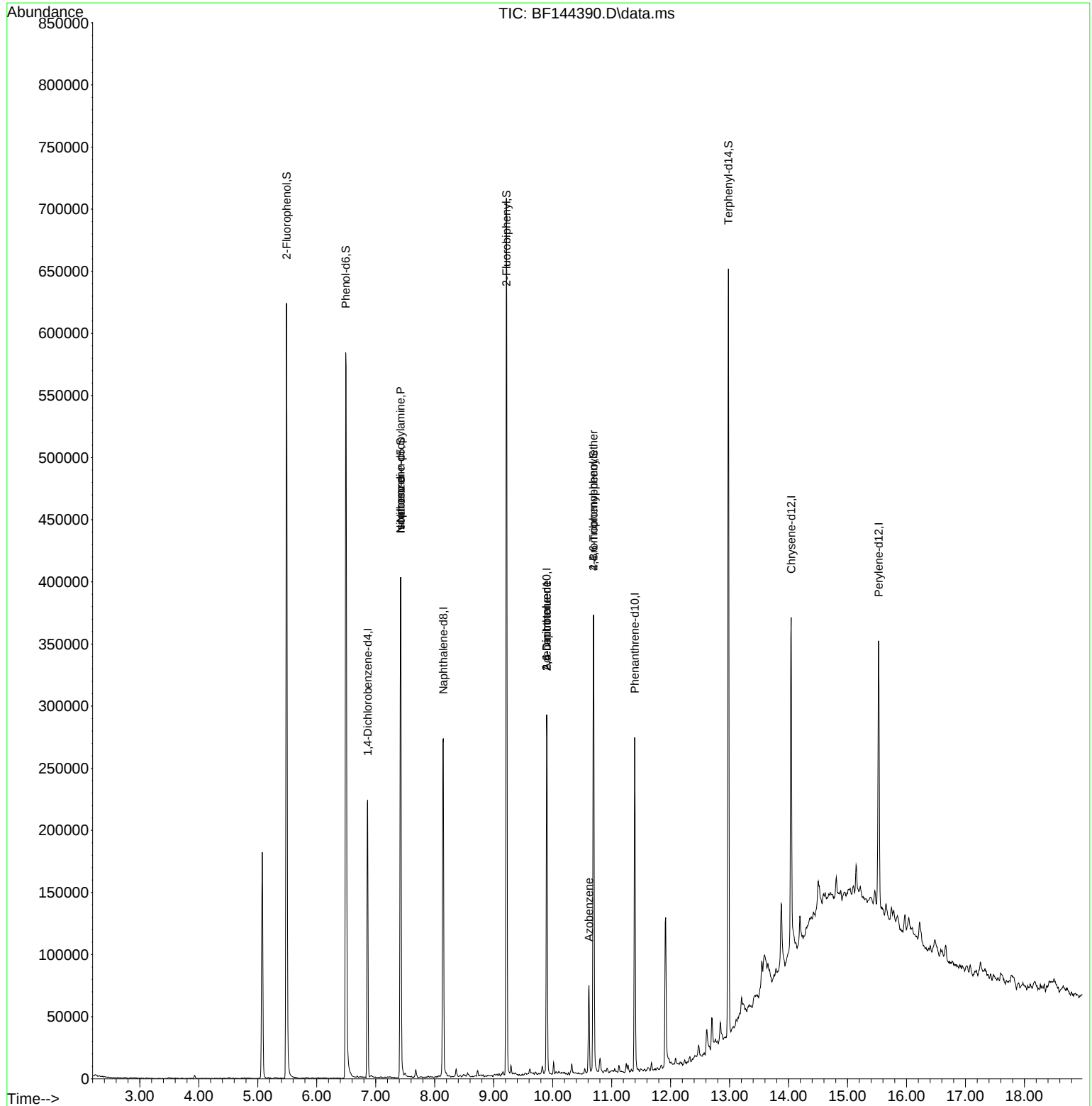
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	49954	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	185185	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	91919	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	147190	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	136696	20.000	ng	0.00
86) Perylene-d12	15.527	264	131923	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	257152	80.556	ng	0.00
7) Phenol-d6	6.492	99	280233	77.476	ng	0.00
23) Nitrobenzene-d5	7.422	82	168587	52.578	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	75040	65.055	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	335455	53.900	ng	-0.01
79) Terphenyl-d14	12.980	244	323116	37.546	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	24529	10.302	ng	# 78
25) Isophorone	7.422	82	168586	27.797	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	11198	9.084	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	11198	6.786	ng	# 27
63) Azobenzene	10.616	77	17524	3.354	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	3876	2.063	ng	# 1

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

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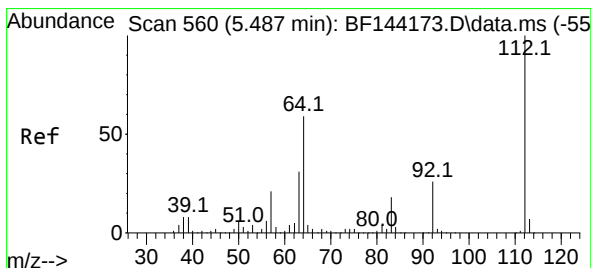
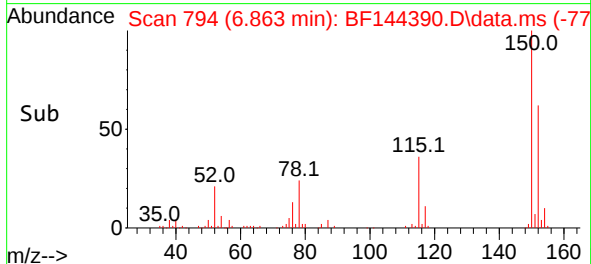
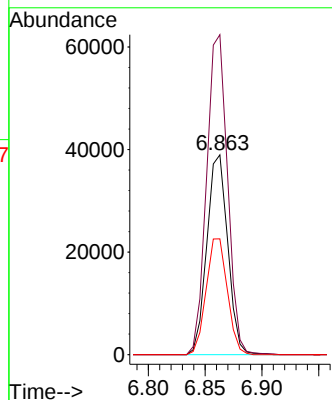
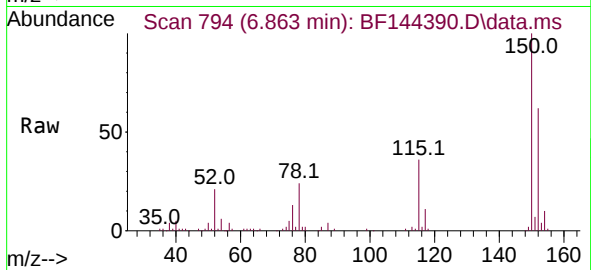




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

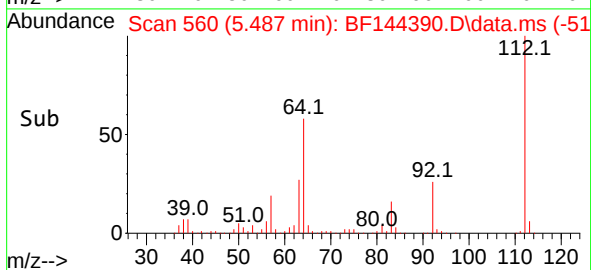
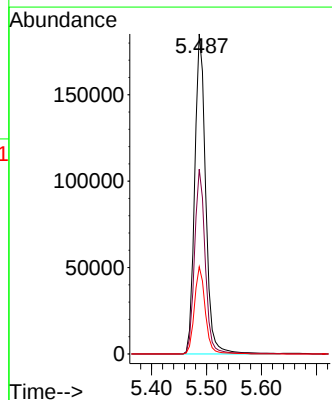
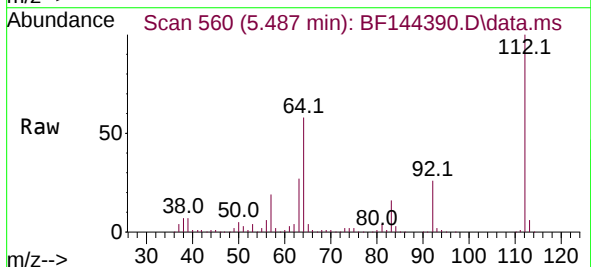
Instrument :
BNA_F
ClientSampleId :
HD-01-11-26-2025

Tgt Ion:152 Resp: 49954
Ion Ratio Lower Upper
152 100
150 160.2 127.4 191.0
115 58.0 49.5 74.3



#5
2-Fluorophenol
Concen: 80.556 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Tgt Ion:112 Resp: 257152
Ion Ratio Lower Upper
112 100
64 57.7 47.2 70.8
63 27.2 24.4 36.6

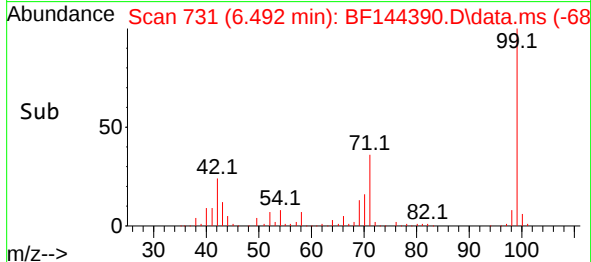
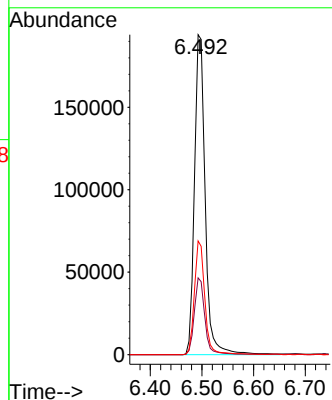
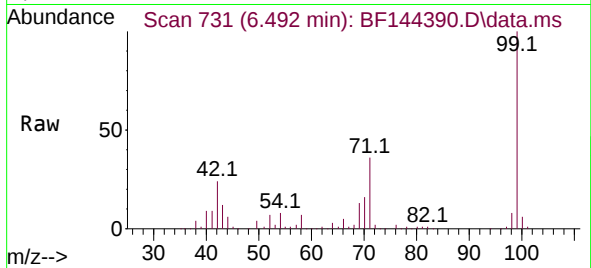




#7
Phenol-d6
Concen: 77.476 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

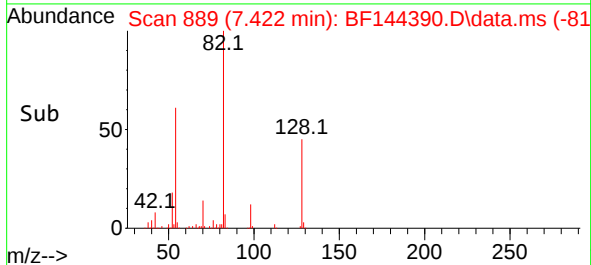
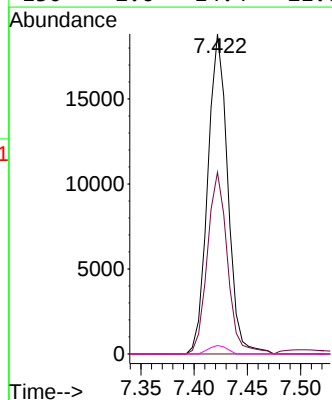
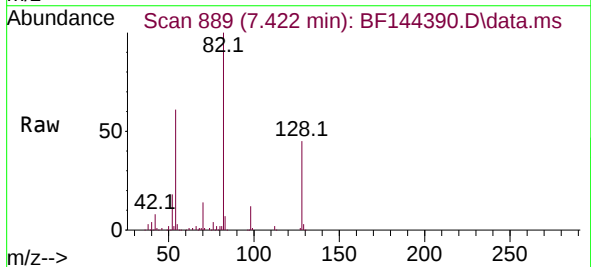
Instrument :
BNA_F
ClientSampleId :
HD-01-11-26-2025

Tgt Ion: 99 Resp: 280233
Ion Ratio Lower Upper
99 100
42 24.0 20.9 31.3
71 35.5 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.302 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Tgt Ion: 70 Resp: 24529
Ion Ratio Lower Upper
70 100
42 56.8 58.3 87.5#
101 0.0 7.0 10.6#
130 2.6 14.4 21.6#

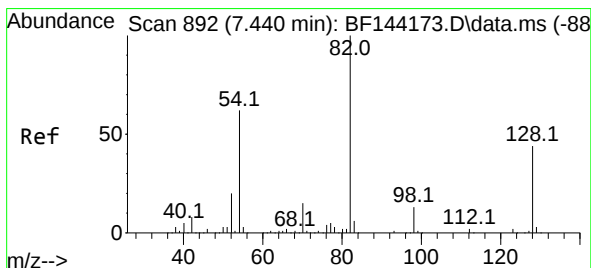
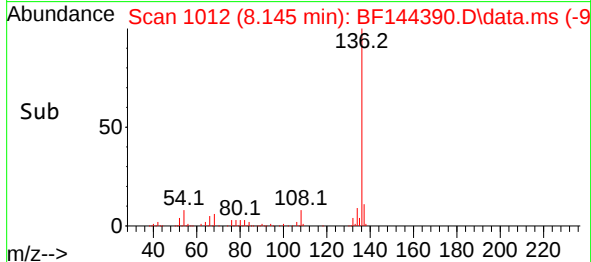
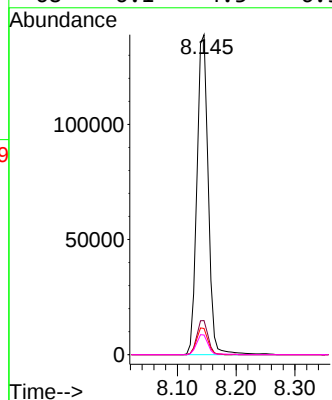
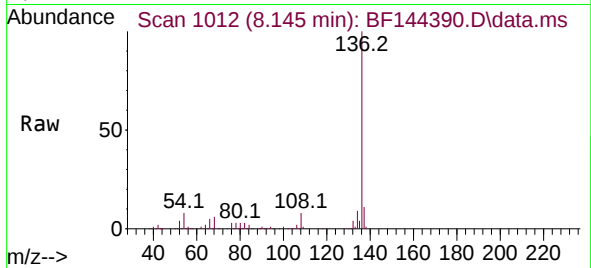




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

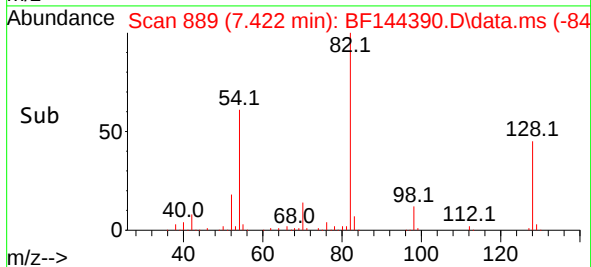
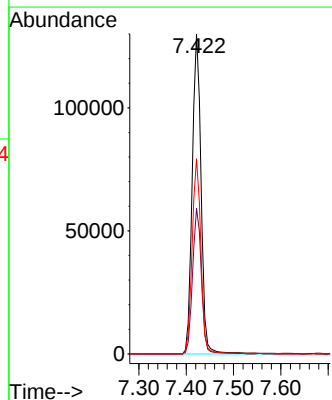
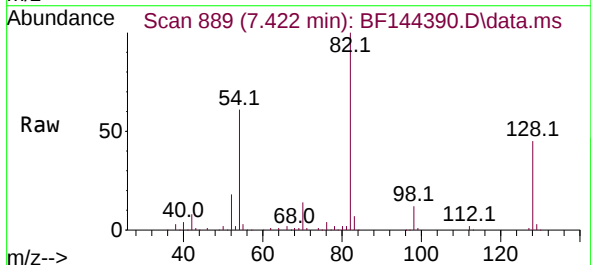
Instrument :
BNA_F
ClientSampleId :
HD-01-11-26-2025

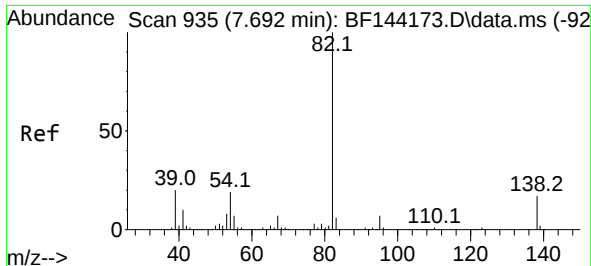
Tgt Ion:136	Resp: 185185
Ion Ratio	Lower Upper
136	100
137	10.6 8.6 13.0
54	8.2 7.0 10.6
68	6.1 4.3 6.5



#23
Nitrobenzene-d5
Concen: 52.578 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Tgt Ion: 82	Resp: 168587
Ion Ratio	Lower Upper
82	100
128	45.5 34.7 52.1
54	61.0 49.5 74.3

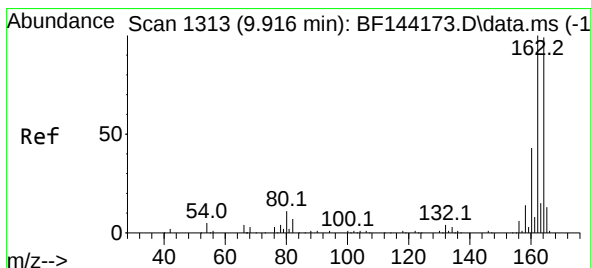
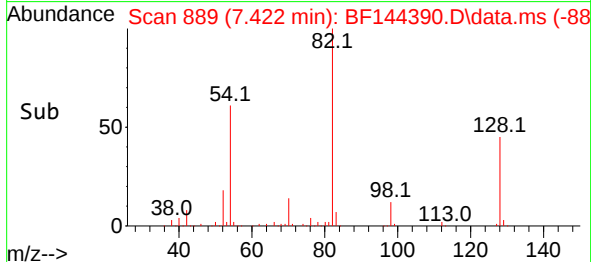
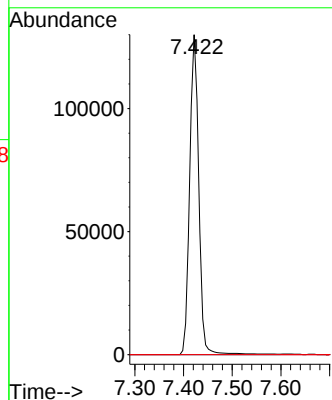
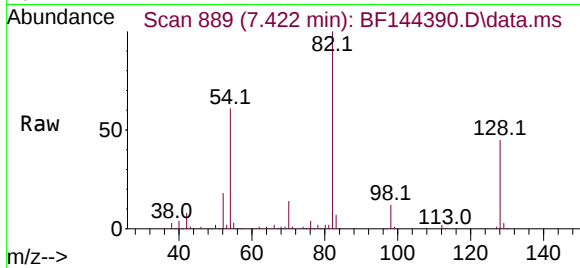




#25
Isophorone
Concen: 27.797 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

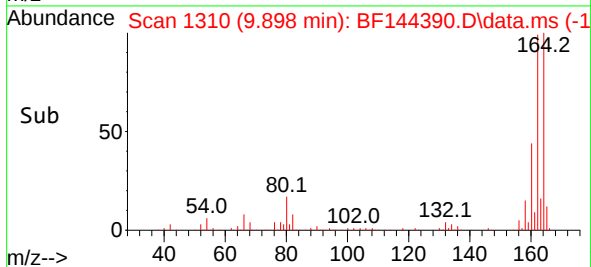
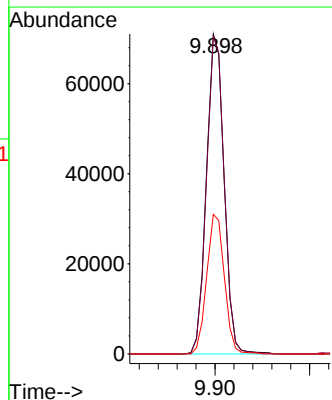
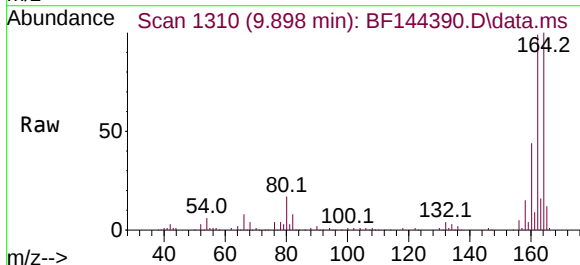
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ClientSampleId :
HD-01-11-26-2025

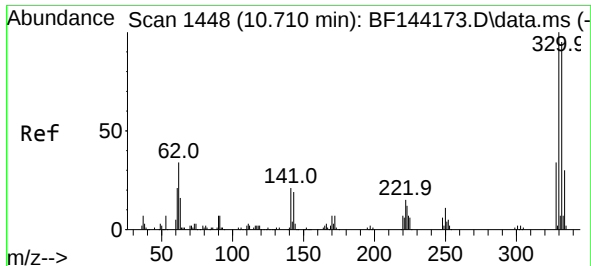
Tgt Ion: 82 Resp: 168586
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Tgt Ion:164 Resp: 91919
Ion Ratio Lower Upper
164 100
162 99.3 81.1 121.7
160 43.6 34.5 51.7

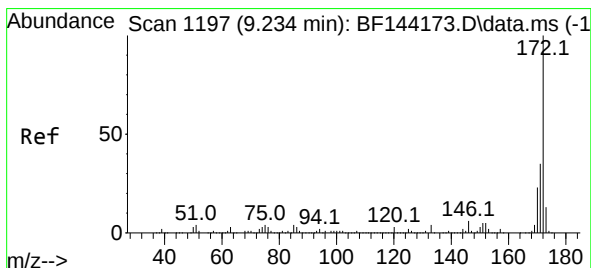
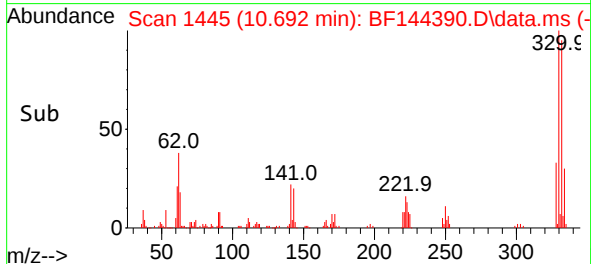
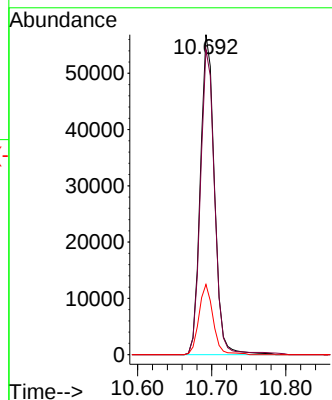
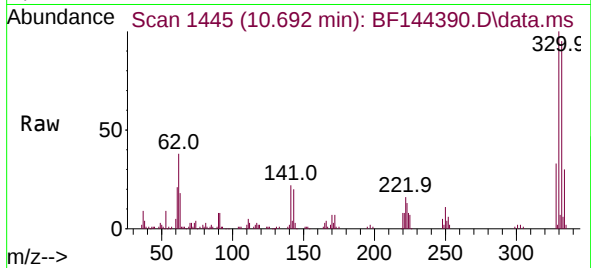




#42
2,4,6-Tribromophenol
Concen: 65.055 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

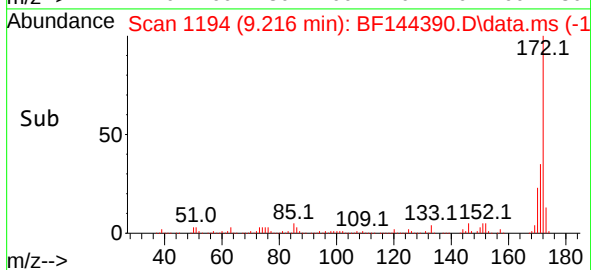
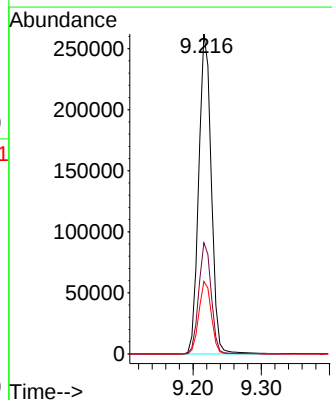
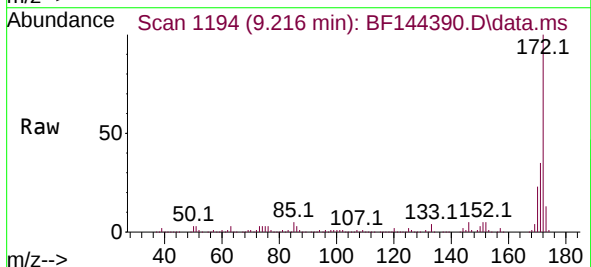
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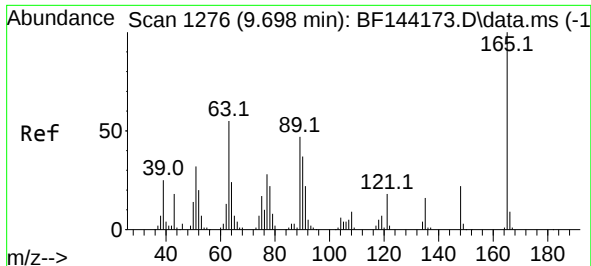
Tgt Ion:330 Resp: 75040
Ion Ratio Lower Upper
330 100
332 95.2 76.7 115.1
141 22.1 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 53.900 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Tgt Ion:172 Resp: 335455
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 22.6 18.6 28.0

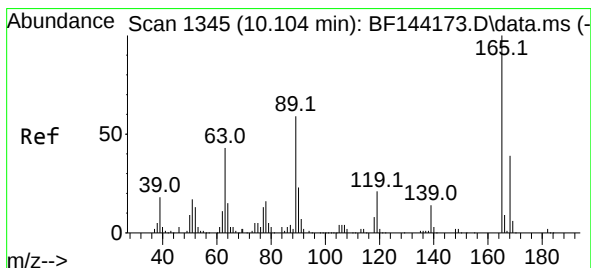
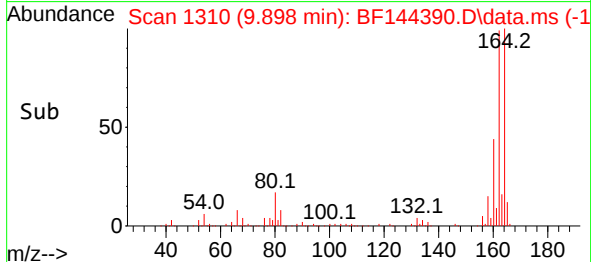
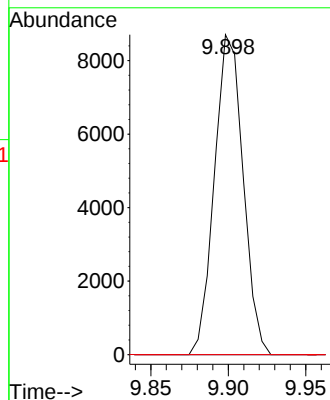
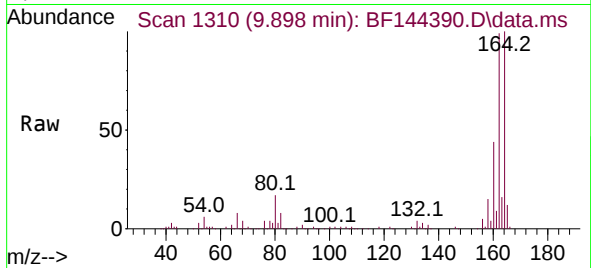




#51
2,6-Dinitrotoluene
Concen: 9.084 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

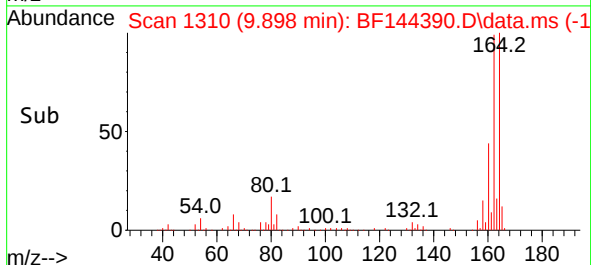
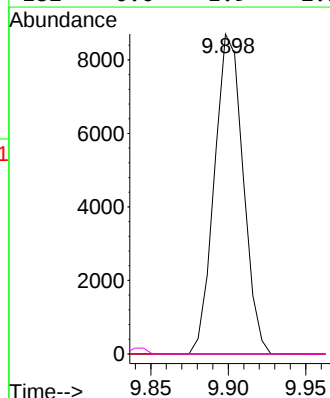
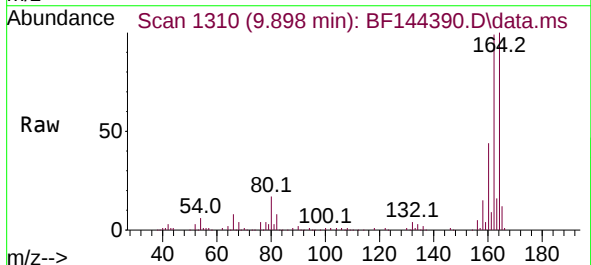
Instrument :
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ClientSampleId :
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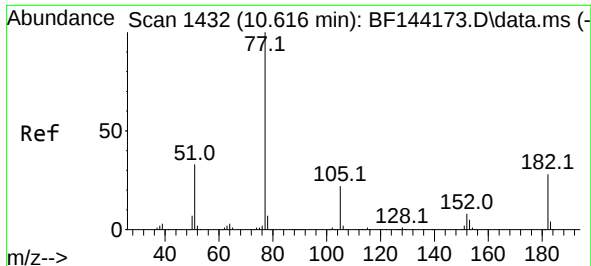
Tgt Ion:165 Resp: 11198
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.786 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

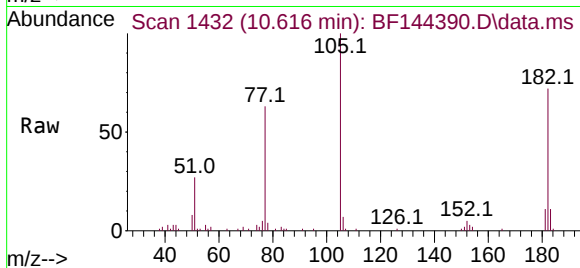
Tgt Ion:165 Resp: 11198
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



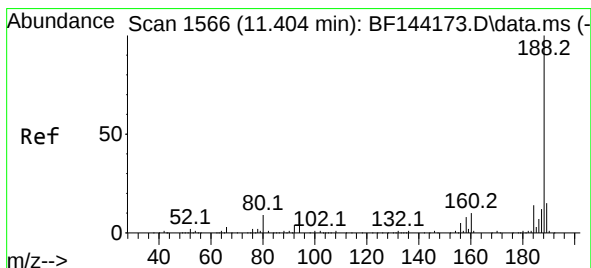
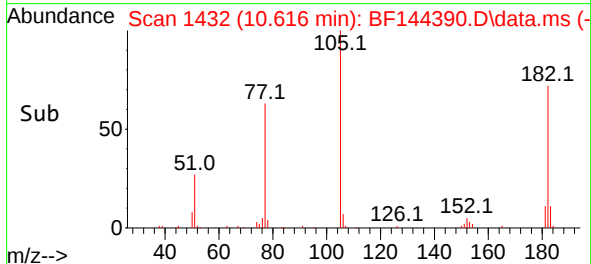
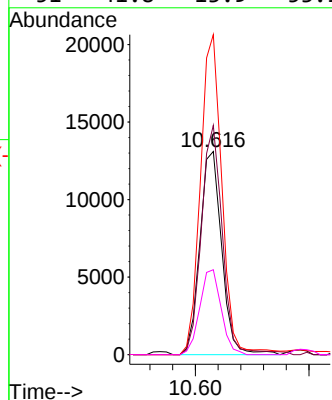


#63
Azobenzene
Concen: 3.354 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Instrument :
BNA_F
ClientSampleId :
HD-01-11-26-2025

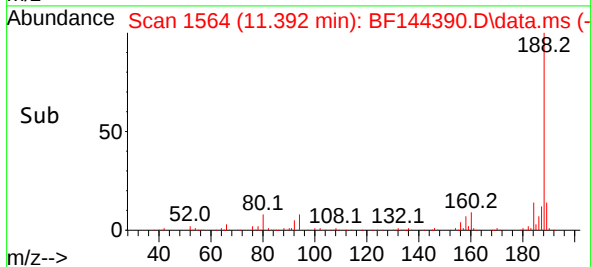
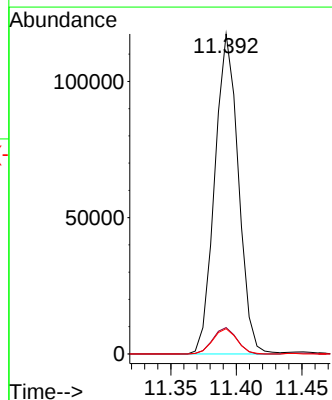
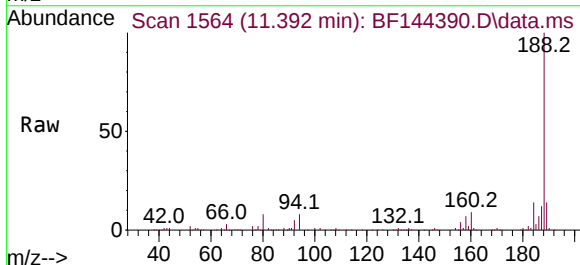


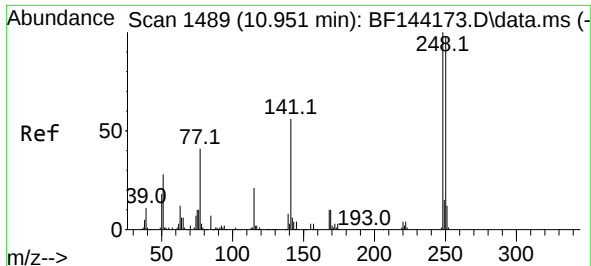
Tgt Ion:	77	Resp:	17524
Ion Ratio	100	Lower	Upper
182	112.8	8.1	48.1#
105	157.5	2.0	42.0#
51	41.8	13.9	53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

Tgt Ion:	188	Resp:	147190
Ion Ratio	100	Lower	Upper
94	8.3	6.2	9.2
80	7.9	6.9	10.3

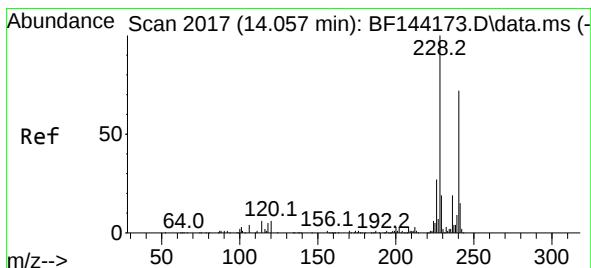
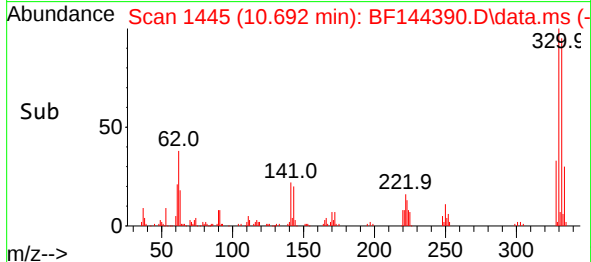
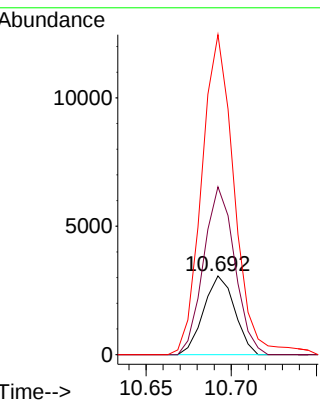
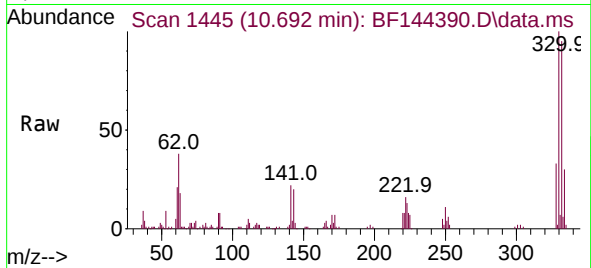




#67
4-Bromophenyl-phenylether
Concen: 2.063 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

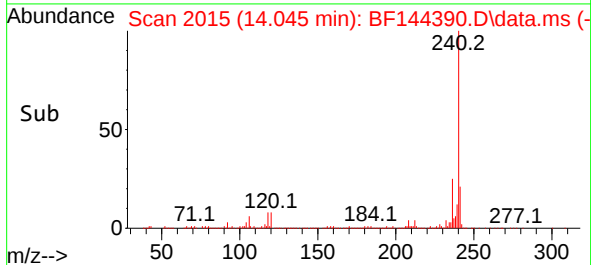
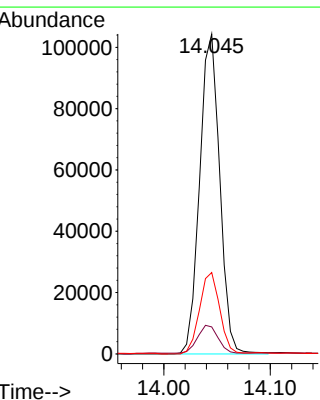
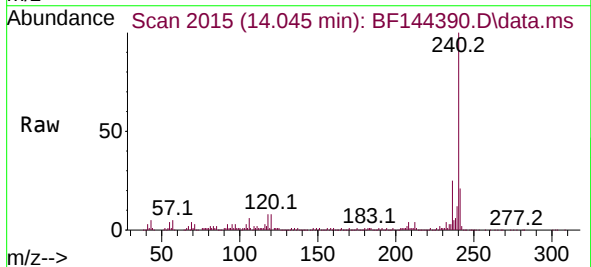
Instrument :
BNA_F
ClientSampleId :
HD-01-11-26-2025

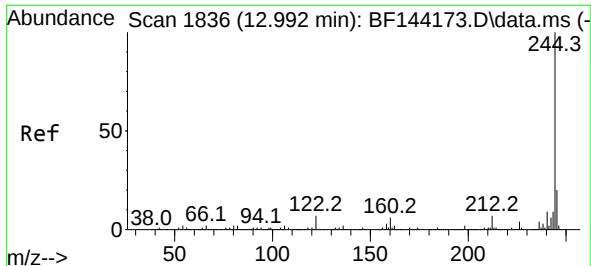
Tgt Ion:248 Resp: 3876
Ion Ratio Lower Upper
248 100
250 213.4 78.4 117.6#
141 407.1 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144390.D
Acq: 01 Dec 2025 16:44

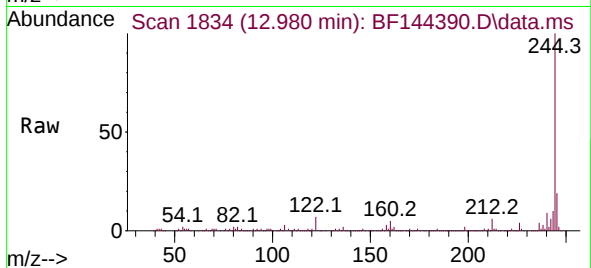
Tgt Ion:240 Resp: 136696
Ion Ratio Lower Upper
240 100
120 8.4 6.6 10.0
236 25.4 21.4 32.2



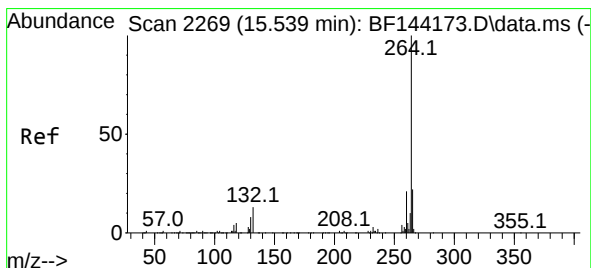
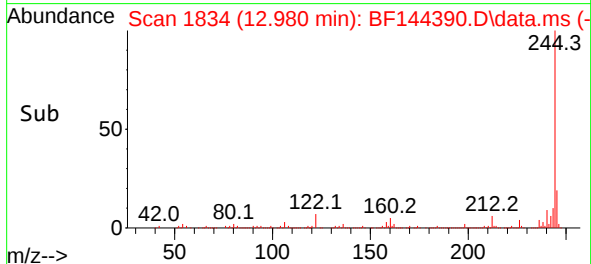
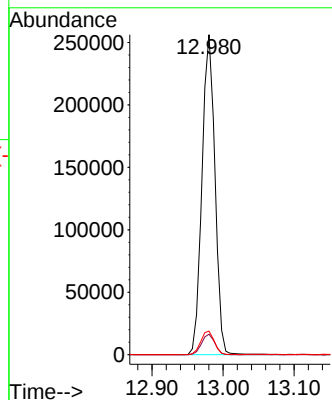


#79
 Terphenyl-d14
 Concen: 37.546 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144390.D
 Acq: 01 Dec 2025 16:44

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-11-26-2025



Tgt Ion:244 Resp: 323116
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 7.3 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2267
 Delta R.T. -0.012 min
 Lab File: BF144390.D
 Acq: 01 Dec 2025 16:44

Tgt Ion:264 Resp: 131923
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.1 25.7
 265 21.2 17.4 26.0

