

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144185.D
 Acq On : 06 Nov 2025 13:56
 Operator : RC/JU
 Sample : Q3532-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 06 14:27:02 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)

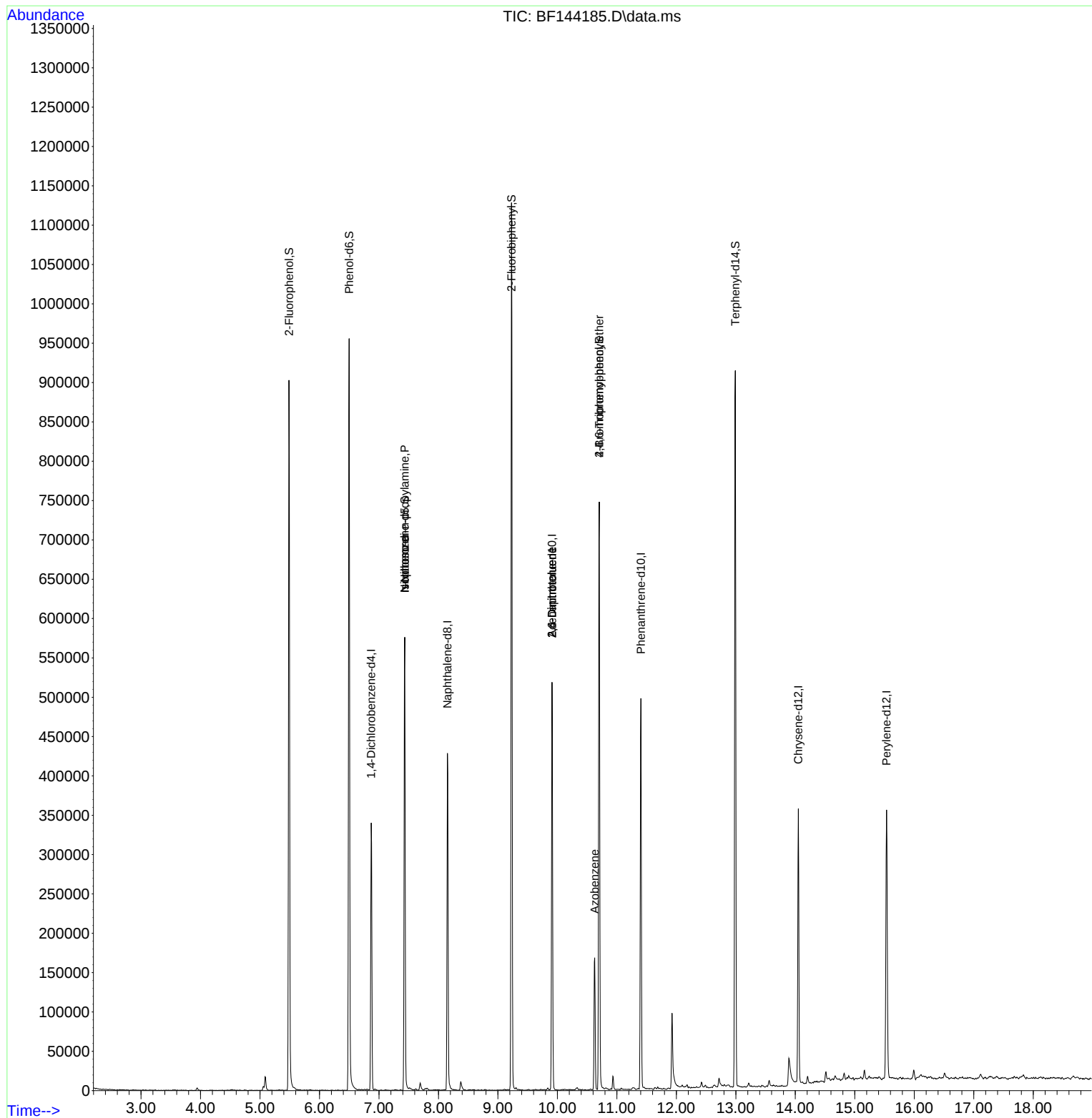
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	74098	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	284412	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	159103	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	273047	20.000	ng	0.00
76) Chrysene-d12	14.051	240	178816	20.000	ng	0.00
86) Perylene-d12	15.533	264	225569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	352892	74.527	ng	0.00
7) Phenol-d6	6.498	99	411926	76.777	ng	0.00
23) Nitrobenzene-d5	7.434	82	246718	50.101	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	154792	77.529	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	520396	48.308	ng	0.00
79) Terphenyl-d14	12.992	244	495041	43.974	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	36798	10.419	ng	# 78
25) Isophorone	7.434	82	246741	26.489	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	19694	9.230	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	19694	6.895	ng	# 27
63) Azobenzene	10.627	77	42528	4.703	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	9022	2.589	ng	# 1

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

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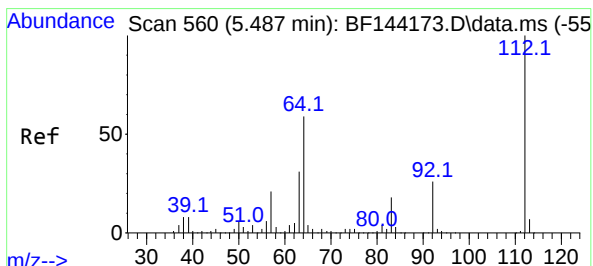
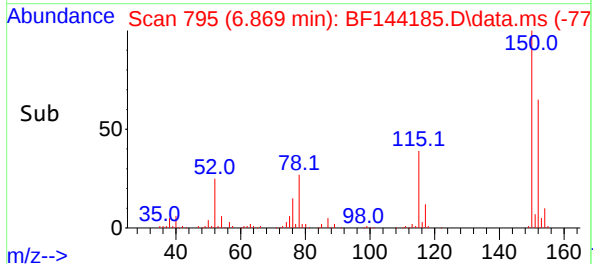
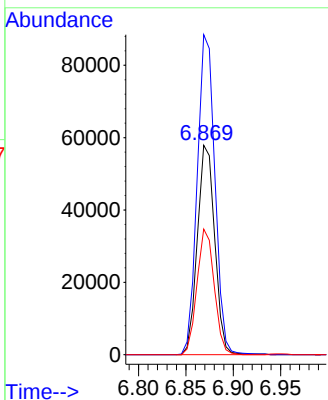
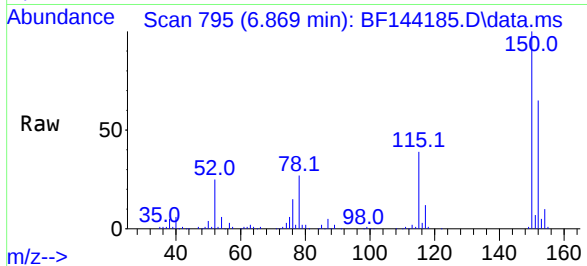




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

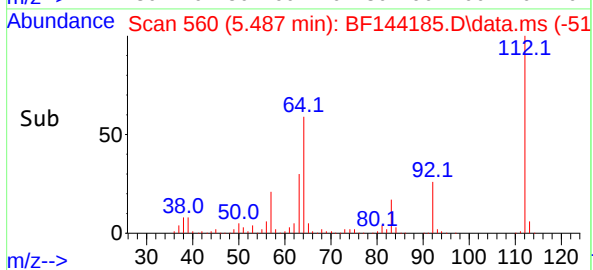
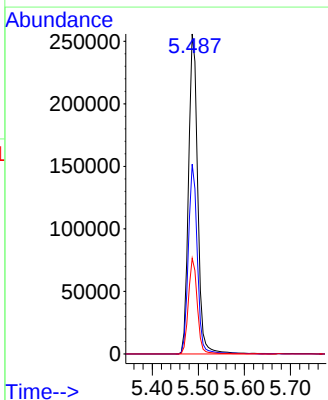
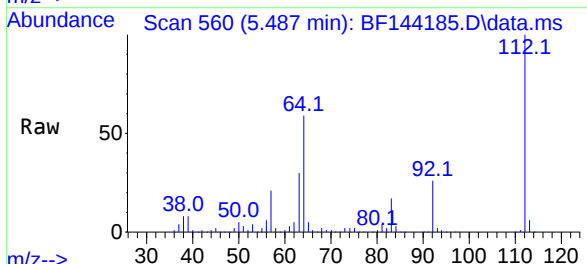
Instrument :
BNA_F
ClientSampleId :
TP-1

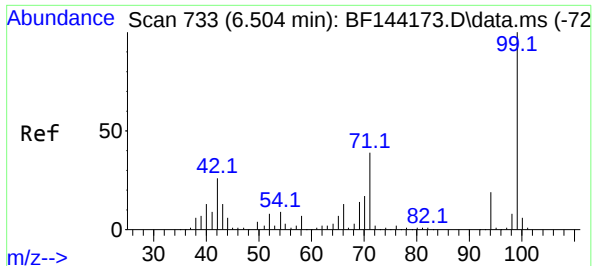
Tgt Ion:152 Resp: 74098
Ion Ratio Lower Upper
152 100
150 152.8 127.4 191.0
115 60.0 49.5 74.3



#5
2-Fluorophenol
Concen: 74.527 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Tgt Ion:112 Resp: 352892
Ion Ratio Lower Upper
112 100
64 59.3 47.2 70.8
63 29.9 24.4 36.6

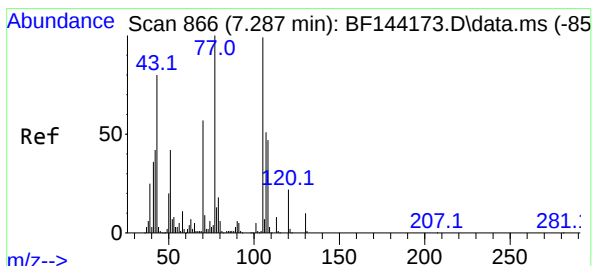
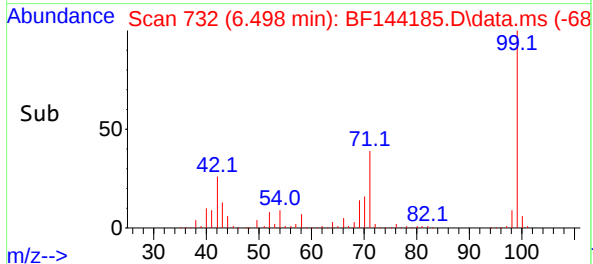
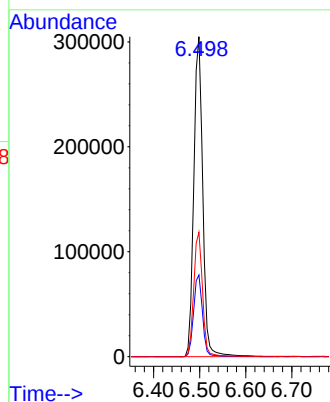
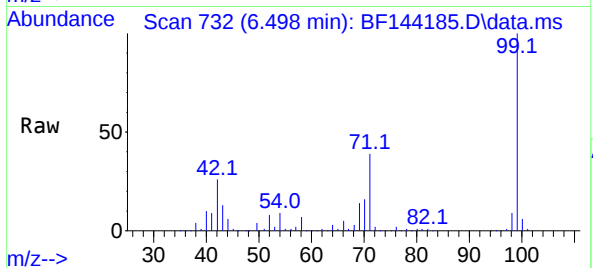




#7
Phenol-d6
Concen: 76.777 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

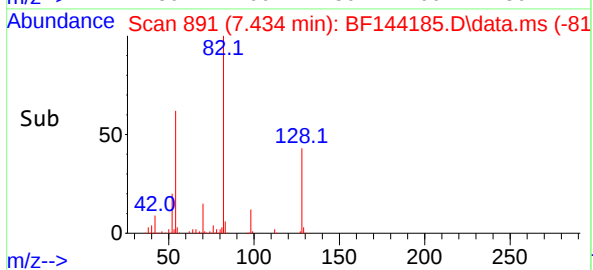
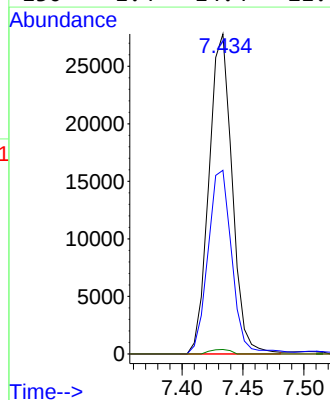
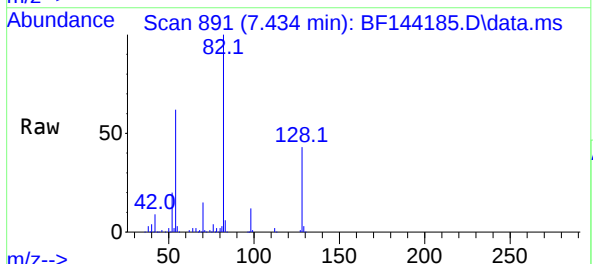
Instrument :
BNA_F
ClientSampleId :
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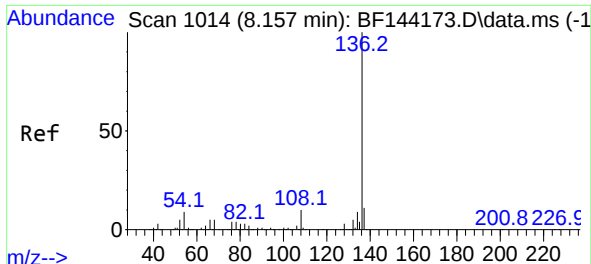
Tgt Ion: 99 Resp: 411926
Ion Ratio Lower Upper
99 100
42 25.6 20.9 31.3
71 38.9 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.419 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Tgt Ion: 70 Resp: 36798
Ion Ratio Lower Upper
70 100
42 57.4 58.3 87.5#
101 0.0 7.0 10.6#
130 1.4 14.4 21.6#

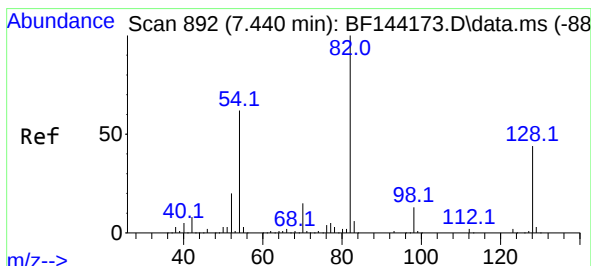
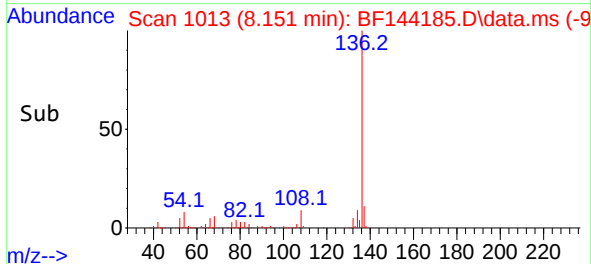
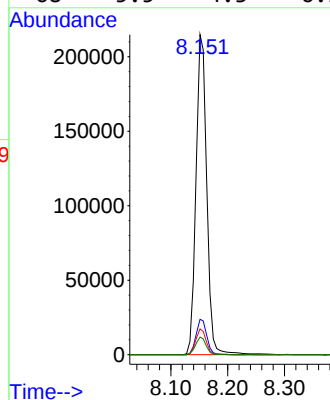
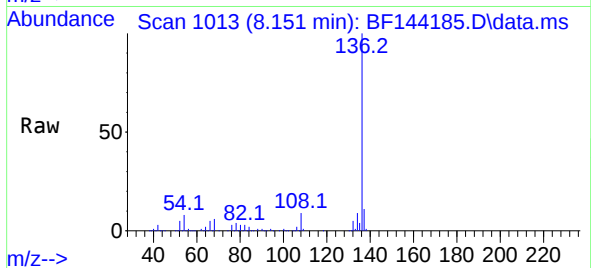




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

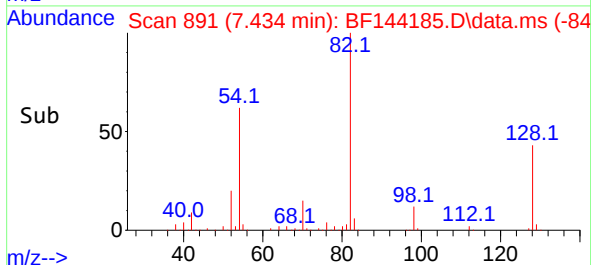
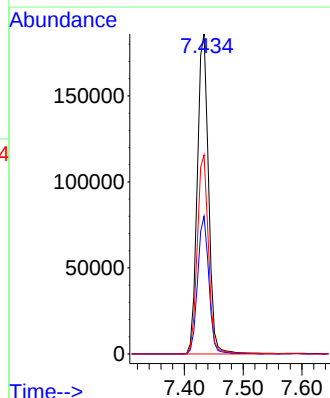
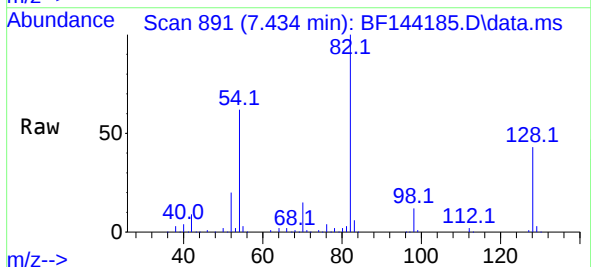
Instrument :
BNA_F
ClientSampleId :
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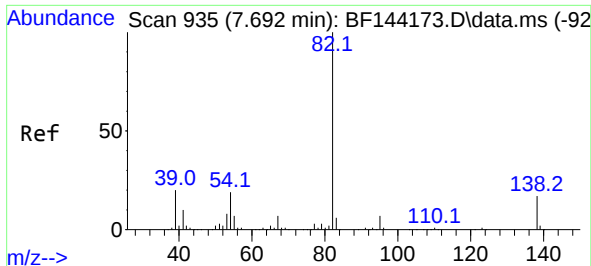
Tgt Ion:136 Resp: 284412
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 7.0 10.6
68 5.5 4.3 6.5



#23
Nitrobenzene-d5
Concen: 50.101 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Tgt Ion: 82 Resp: 246718
Ion Ratio Lower Upper
82 100
128 43.1 34.7 52.1
54 62.2 49.5 74.3

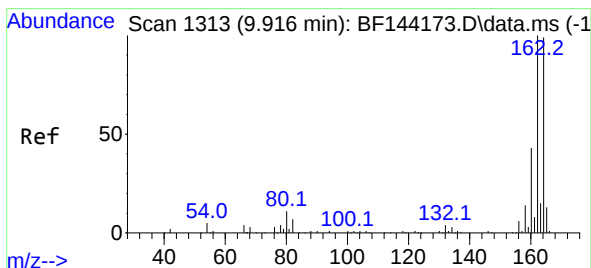
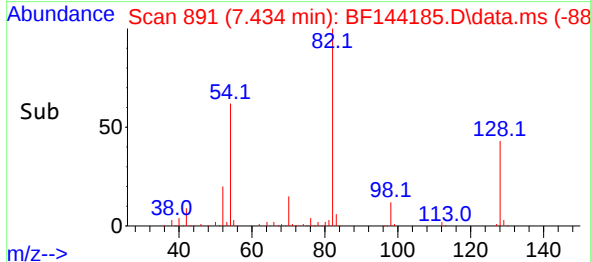
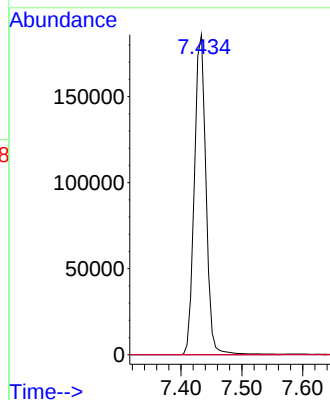
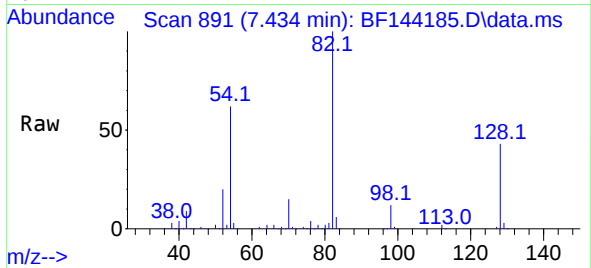




#25
Isophorone
Concen: 26.489 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

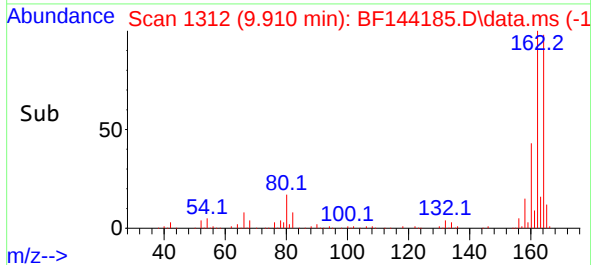
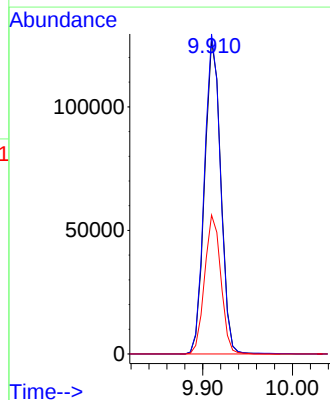
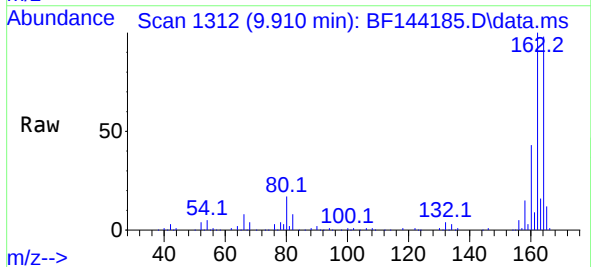
Instrument :
BNA_F
ClientSampleId :
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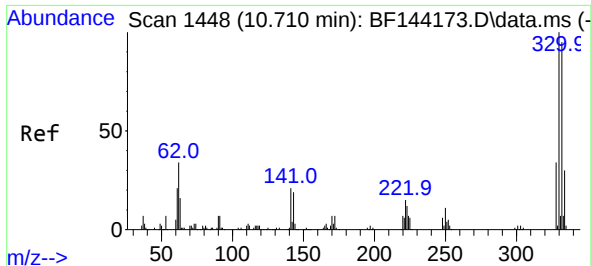
Tgt Ion: 82 Resp: 246741
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

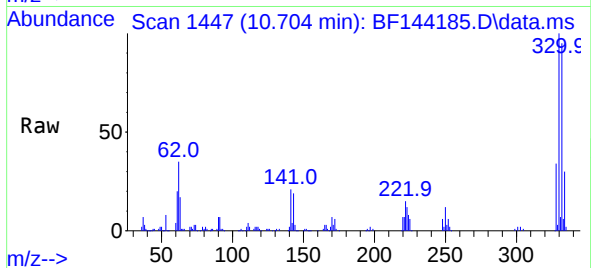
Tgt Ion:164 Resp: 159103
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 44.3 34.5 51.7



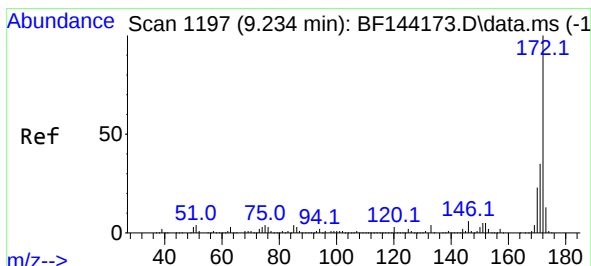
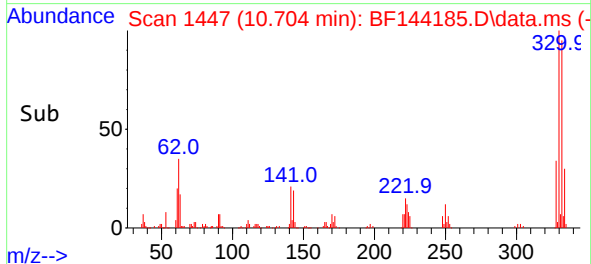
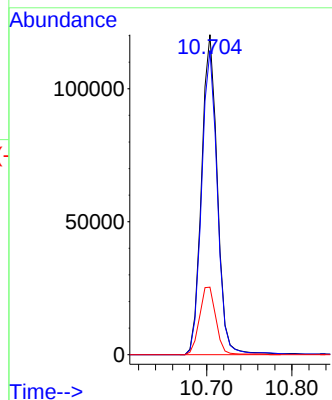


#42
2,4,6-Tribromophenol
Concen: 77.529 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Instrument :
BNA_F
ClientSampleId :
TP-1

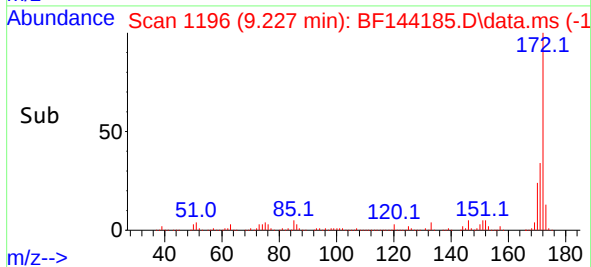
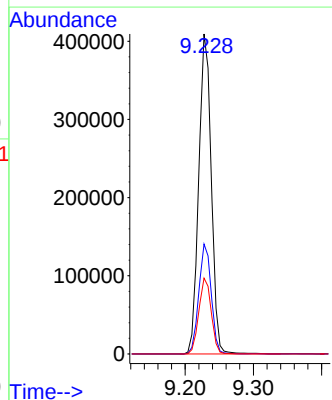
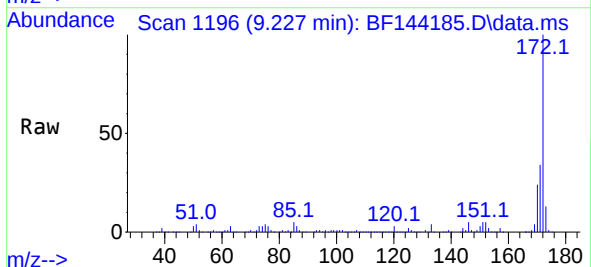


Tgt Ion:330 Resp: 154792
Ion Ratio Lower Upper
330 100
332 94.1 76.7 115.1
141 22.0 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 48.308 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Tgt Ion:172 Resp: 520396
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.7 18.6 28.0

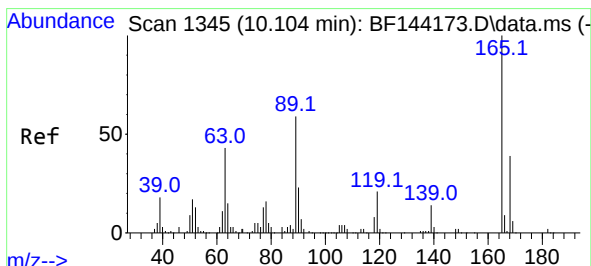
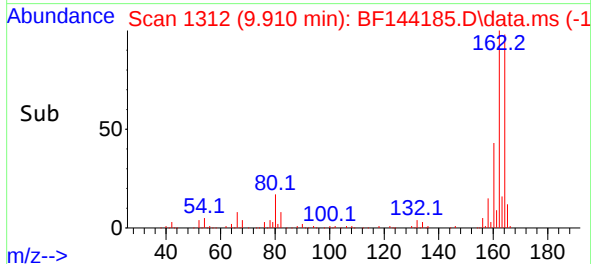
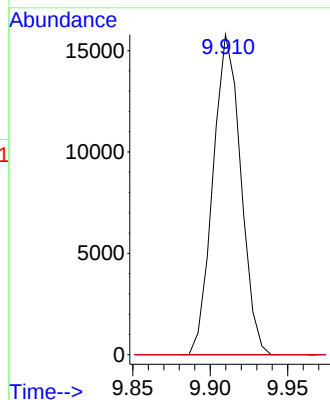
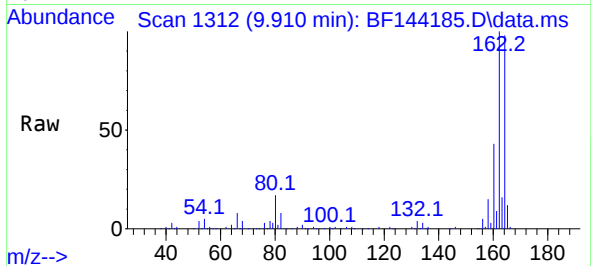




#51
2,6-Dinitrotoluene
Concen: 9.230 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

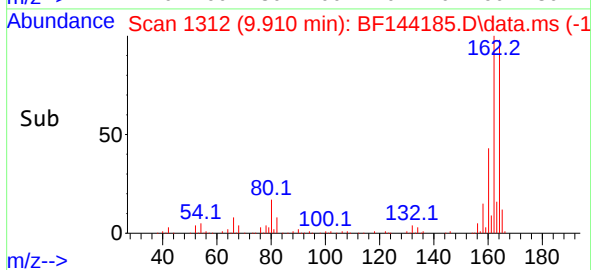
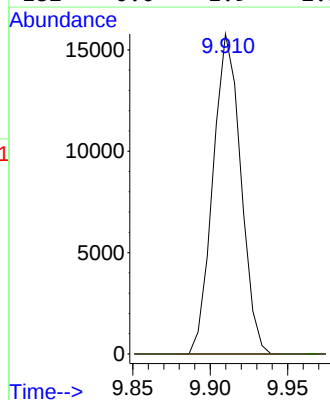
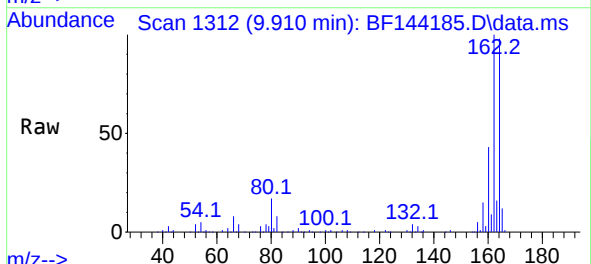
Instrument :
BNA_F
ClientSampleId :
TP-1

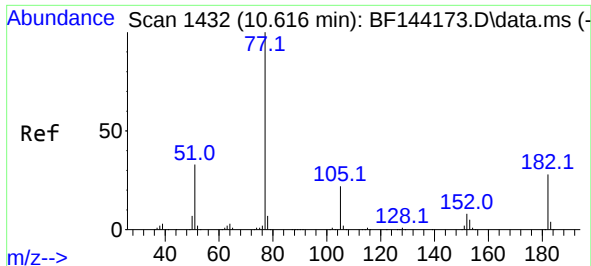
Tgt Ion:165 Resp: 19694
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.895 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Tgt Ion:165 Resp: 19694
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#



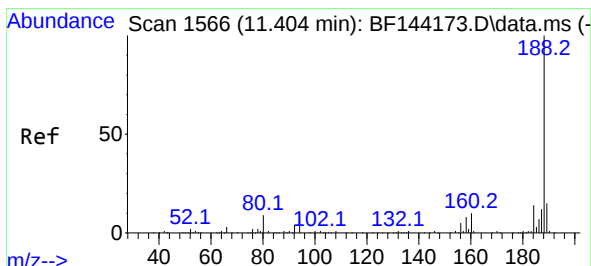
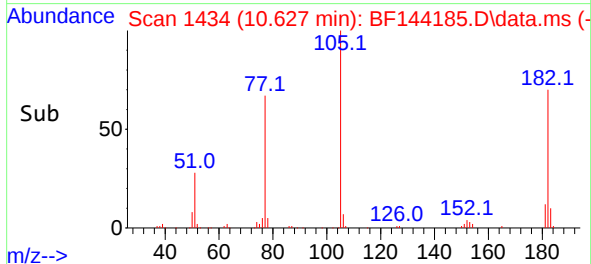
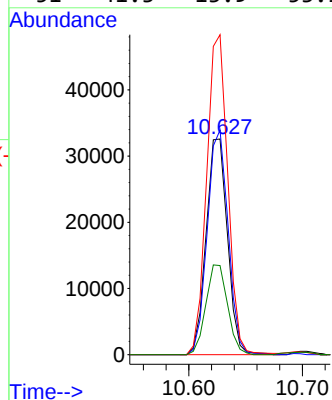
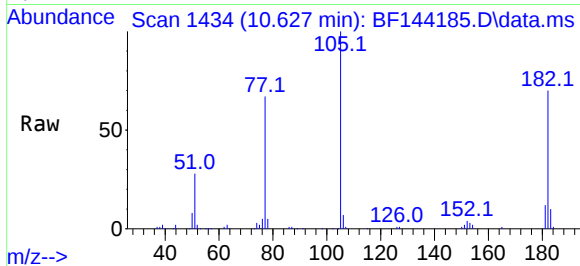


#63
Azobenzene
Concen: 4.703 ng
RT: 10.627 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 77 Resp: 42528

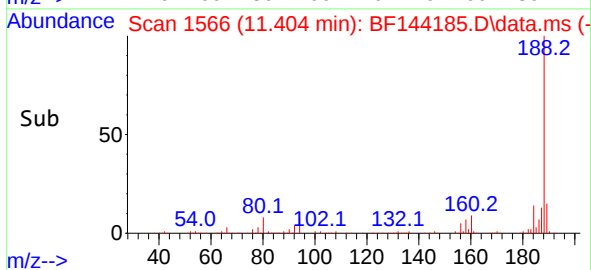
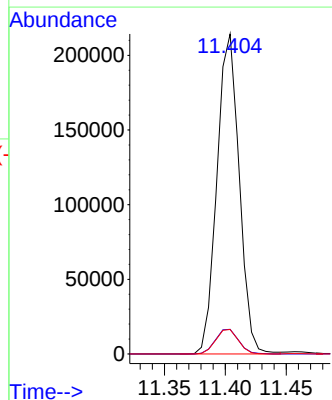
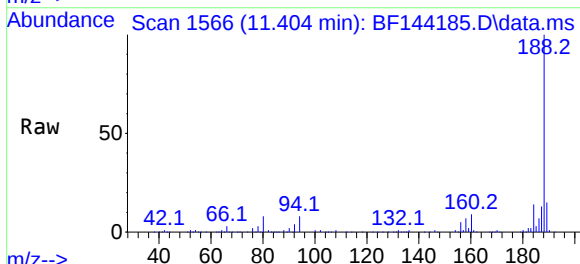
Ion	Ratio	Lower	Upper
77	100		
182	104.2	8.1	48.1#
105	148.4	2.0	42.0#
51	41.3	13.9	53.9

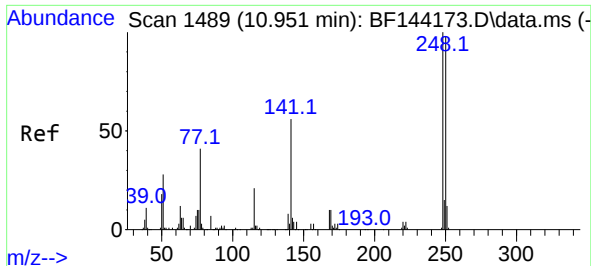


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

Tgt Ion: 188 Resp: 273047

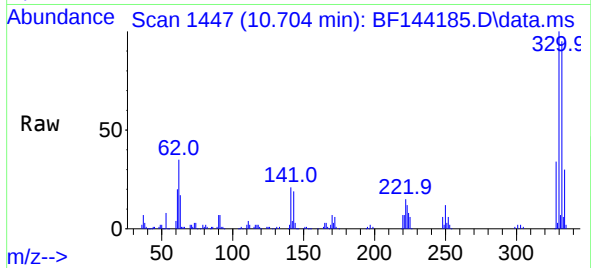
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.2	9.2
80	7.7	6.9	10.3



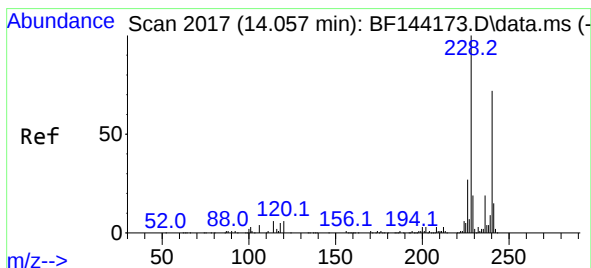
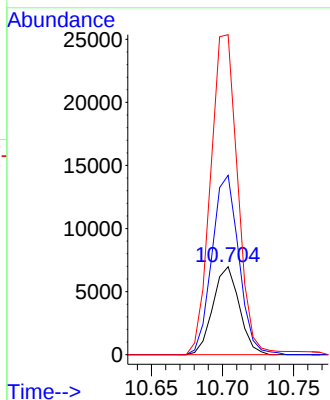
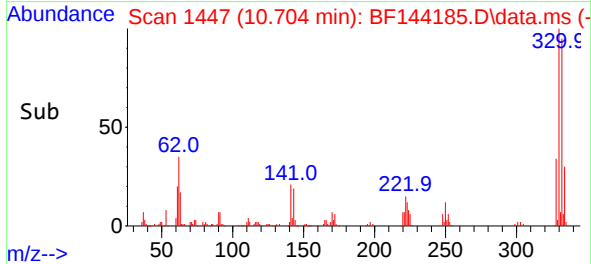


#67
4-Bromophenyl-phenylether
Concen: 2.589 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.241 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56

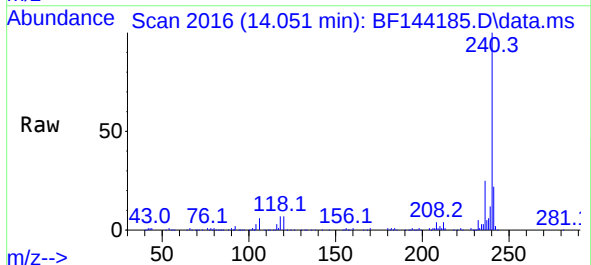
Instrument :
BNA_F
ClientSampleId :
TP-1



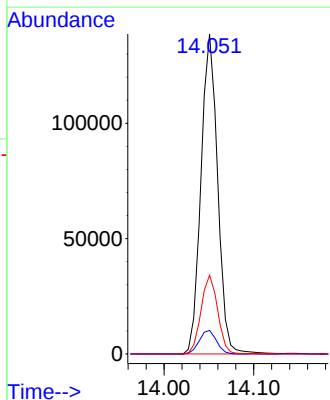
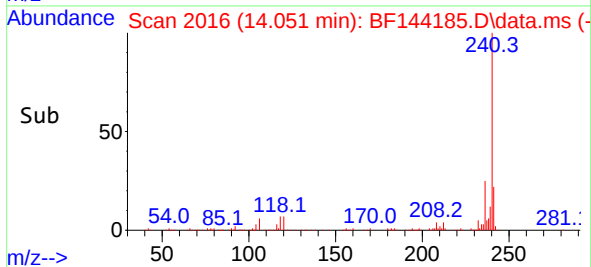
Tgt Ion:248 Resp: 9022
Ion Ratio Lower Upper
248 100
250 203.9 78.4 117.6#
141 363.8 45.1 67.7#

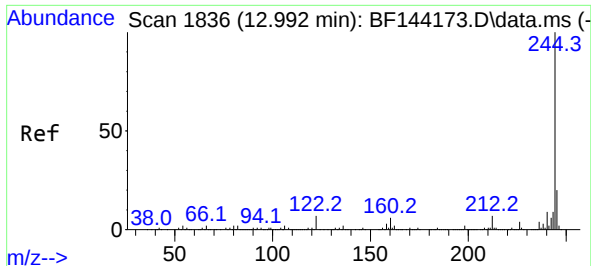


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144185.D
Acq: 06 Nov 2025 13:56



Tgt Ion:240 Resp: 178816
Ion Ratio Lower Upper
240 100
120 7.4 6.6 10.0
236 24.6 21.4 32.2

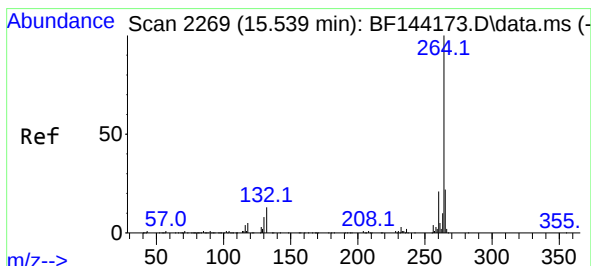
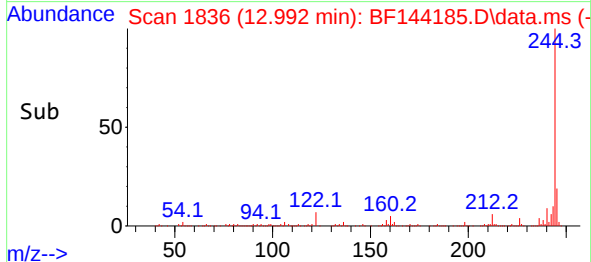
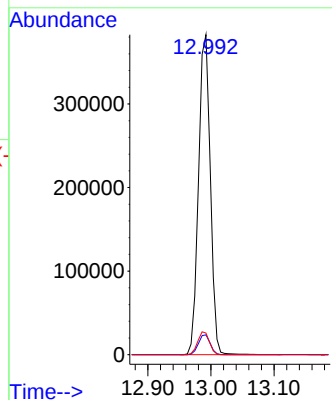
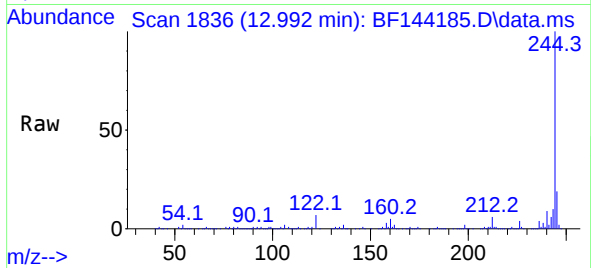




#79
 Terphenyl-d14
 Concen: 43.974 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF144185.D
 Acq: 06 Nov 2025 13:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 495041
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 6.8 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144185.D
 Acq: 06 Nov 2025 13:56

Tgt Ion:264 Resp: 225569
 Ion Ratio Lower Upper
 264 100
 260 21.2 17.1 25.7
 265 20.6 17.4 26.0

