

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144362.D
 Acq On : 26 Nov 2025 15:41
 Operator : RC/JU
 Sample : Q3604-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2

Quant Time: Nov 26 16:01:25 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)

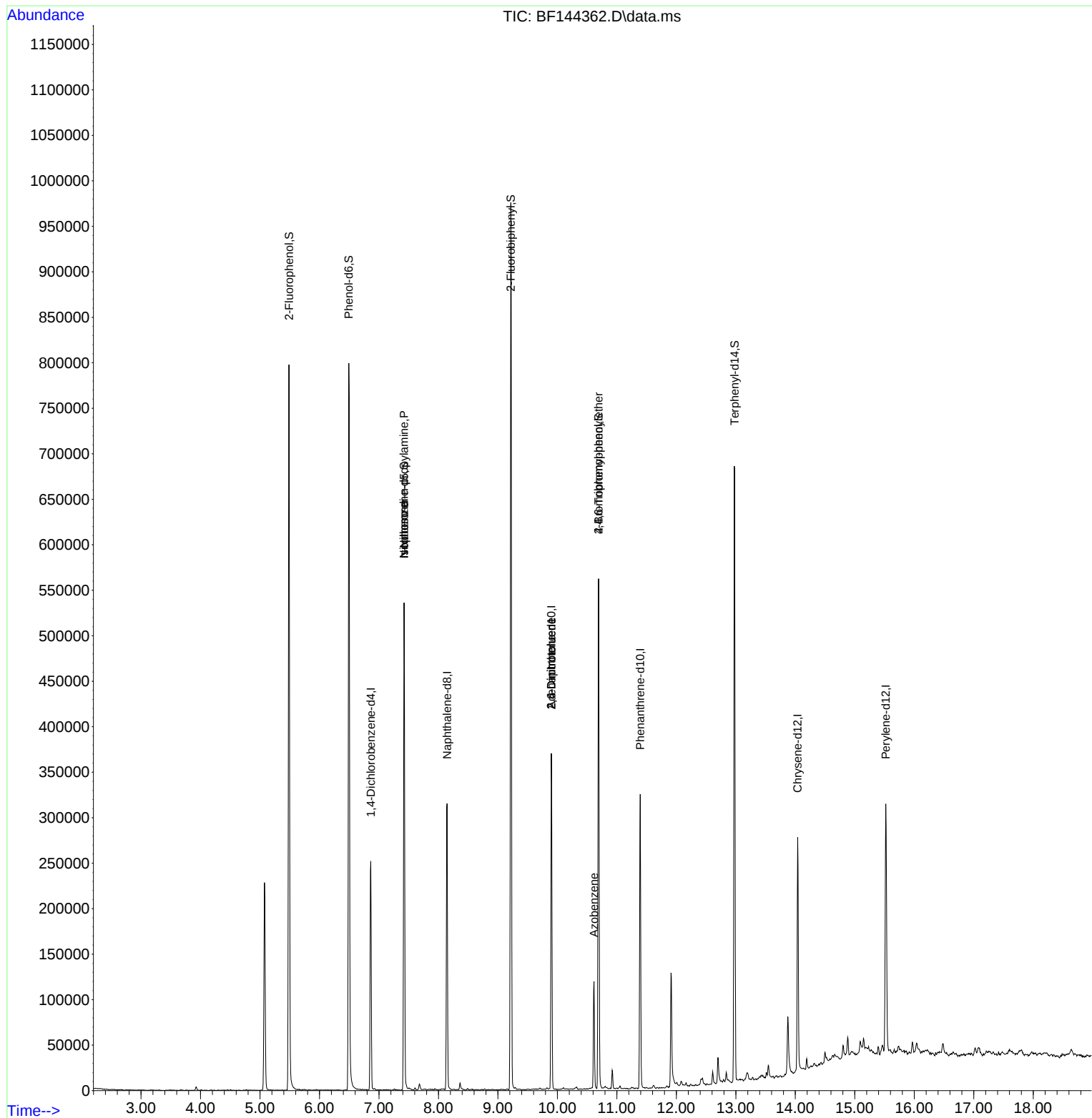
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55371	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	213302	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	114867	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	177276	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	126619	20.000	ng	-0.01
86) Perylene-d12	15.521	264	166750	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	319867	90.400	ng	0.00
7) Phenol-d6	6.492	99	373411	93.137	ng	0.00
23) Nitrobenzene-d5	7.422	82	225383	61.026	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	110278	76.505	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	465556	59.860	ng	-0.01
79) Terphenyl-d14	12.980	244	371898	46.654	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	31854	12.069	ng	# 77
25) Isophorone	7.422	82	225381	32.263	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14386	9.339	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	14386	6.976	ng	# 28
63) Azobenzene	10.616	77	28190	4.318	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	6600	2.917	ng	# 1

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

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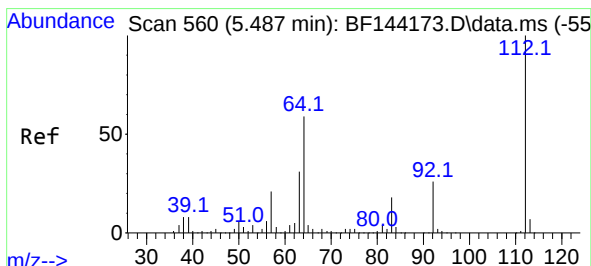
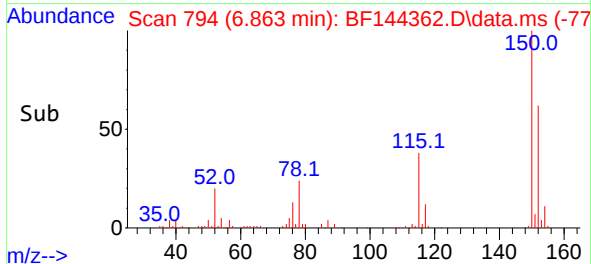
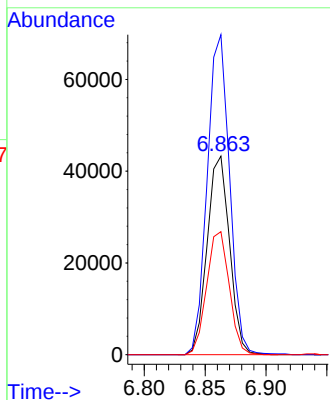
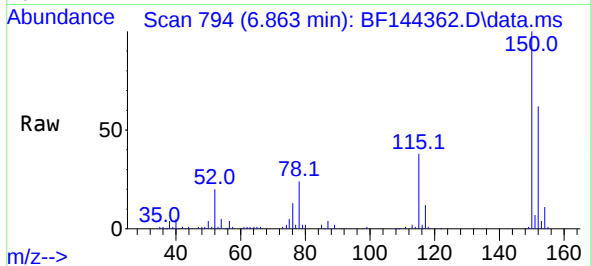




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

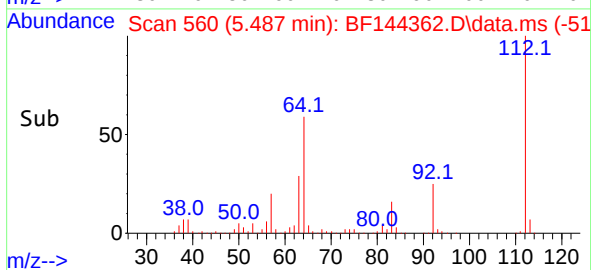
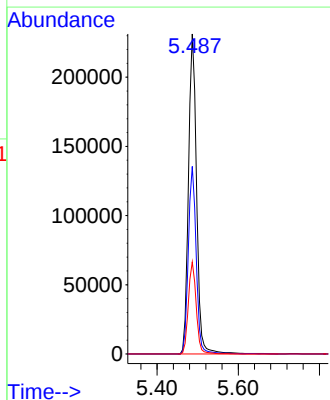
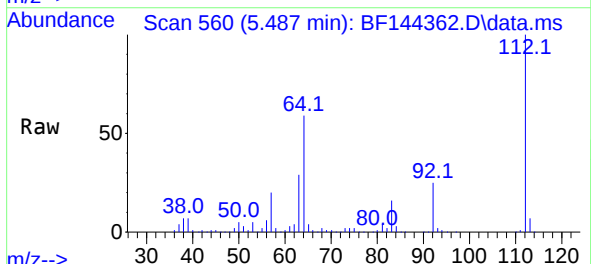
Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:152 Resp: 55371
Ion Ratio Lower Upper
152 100
150 161.1 127.4 191.0
115 61.9 49.5 74.3



#5
2-Fluorophenol
Concen: 90.400 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion:112 Resp: 319867
Ion Ratio Lower Upper
112 100
64 58.6 47.2 70.8
63 28.7 24.4 36.6

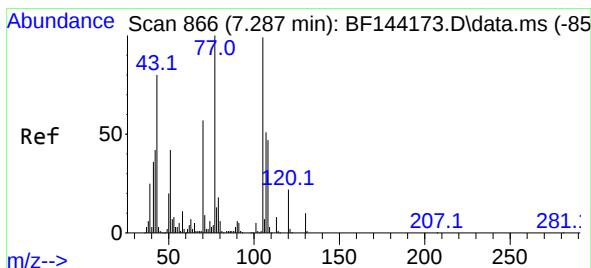
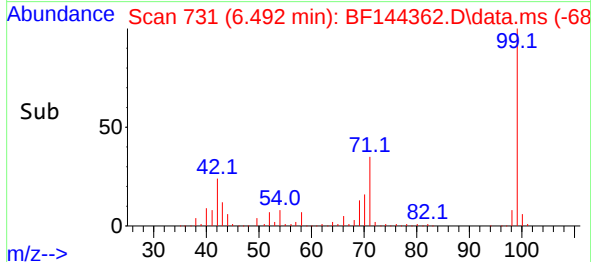
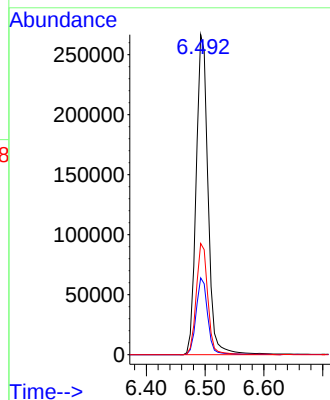
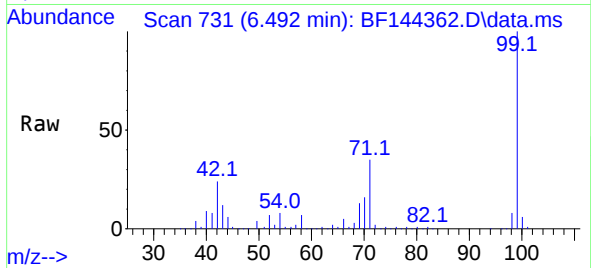




#7
Phenol-d6
Concen: 93.137 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

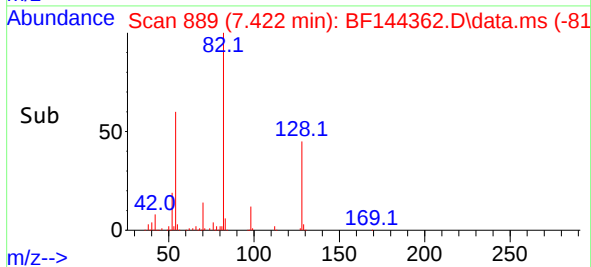
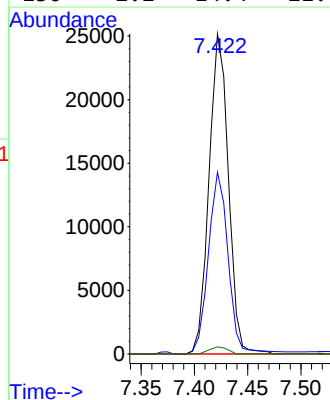
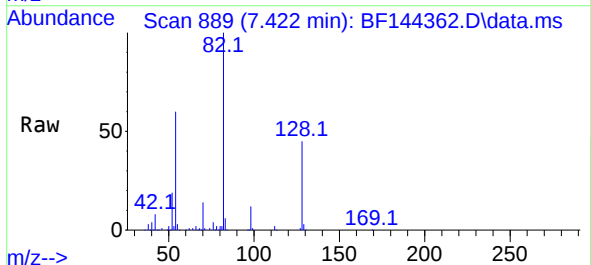
Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion: 99 Resp: 373411
Ion Ratio Lower Upper
99 100
42 24.0 20.9 31.3
71 34.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.069 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion: 70 Resp: 31854
Ion Ratio Lower Upper
70 100
42 56.8 58.3 87.5#
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#



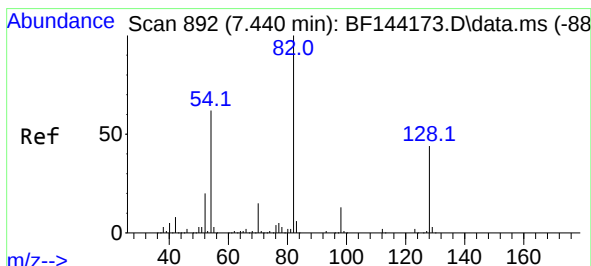
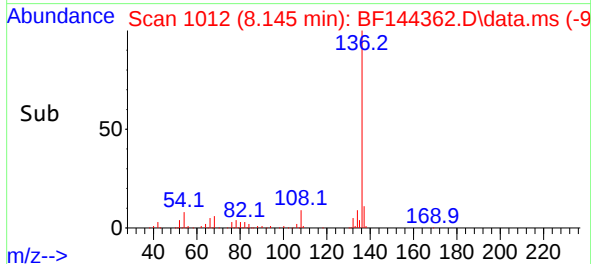
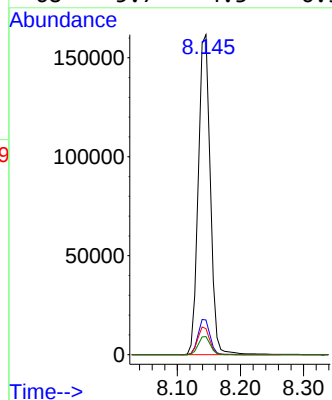
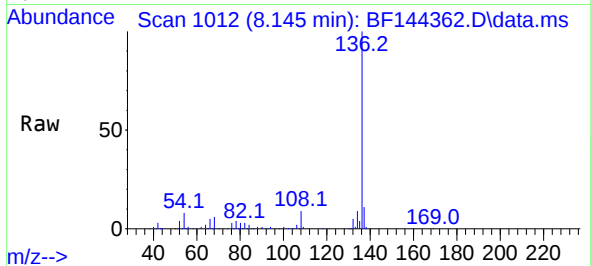


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:136 Resp: 213302

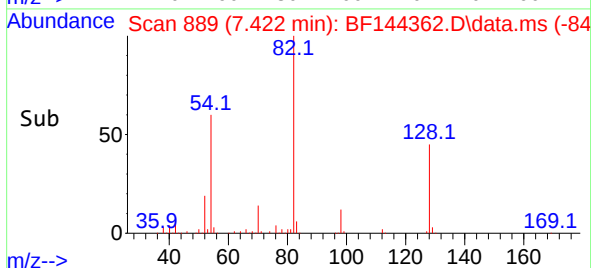
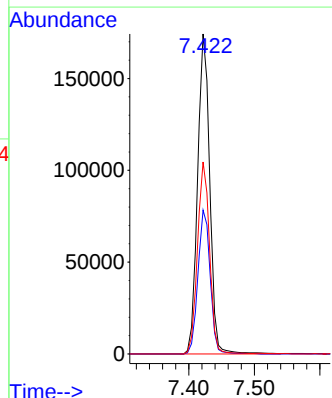
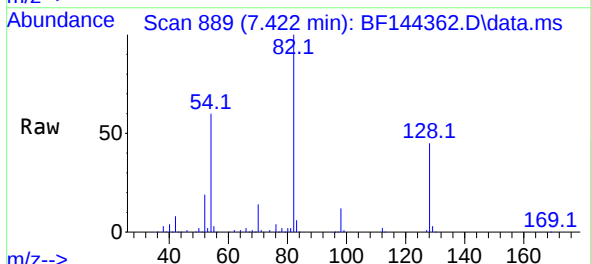
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.2	7.0	10.6
68	5.7	4.3	6.5

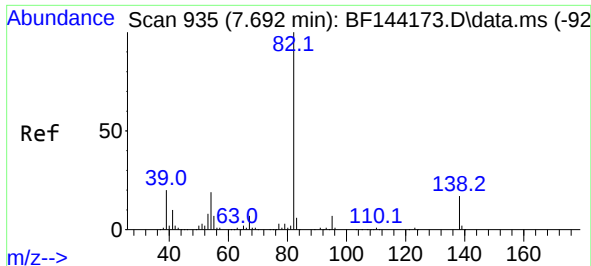


#23
Nitrobenzene-d5
Concen: 61.026 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion: 82 Resp: 225383

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.7	52.1
54	60.0	49.5	74.3

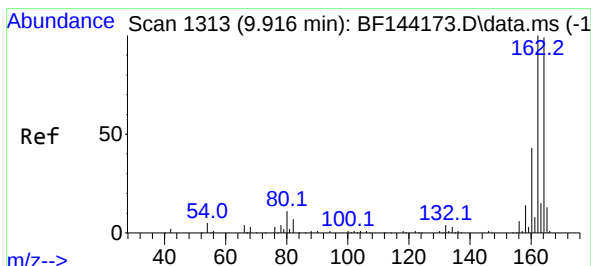
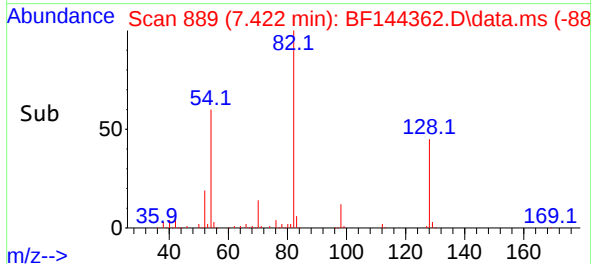
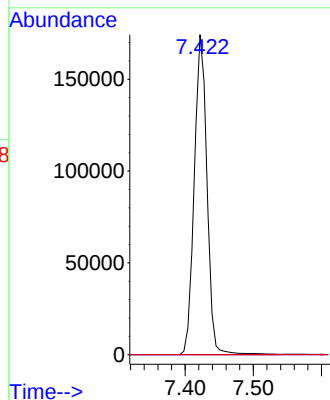
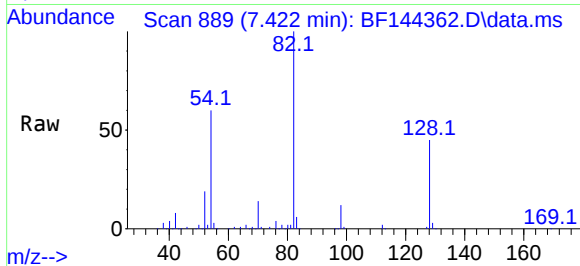




#25
Isophorone
Concen: 32.263 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

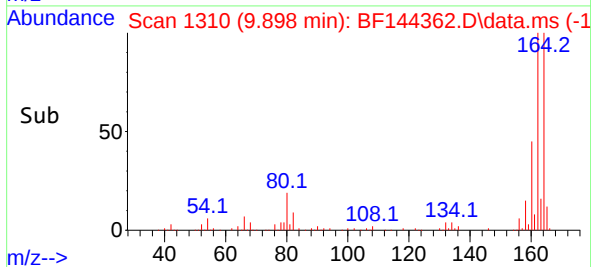
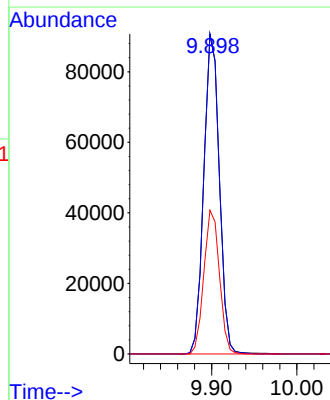
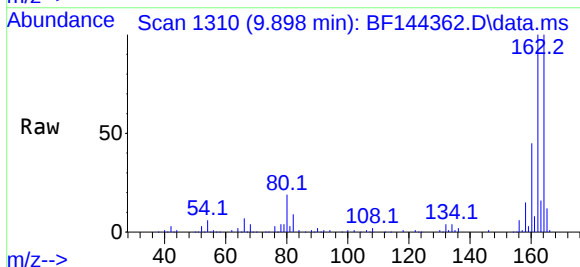
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ClientSampleId :
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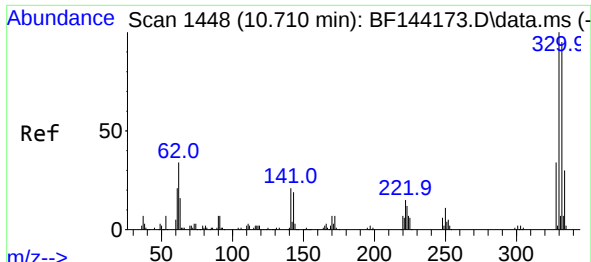
Tgt Ion: 82 Resp: 225381
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

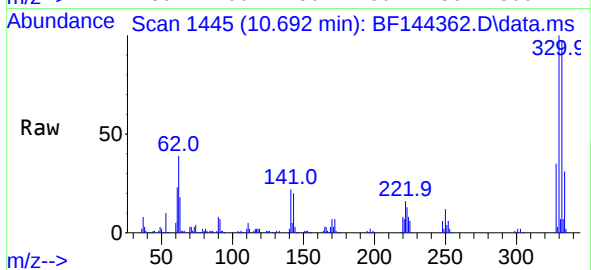
Tgt Ion:164 Resp: 114867
Ion Ratio Lower Upper
164 100
162 100.2 81.1 121.7
160 45.0 34.5 51.7



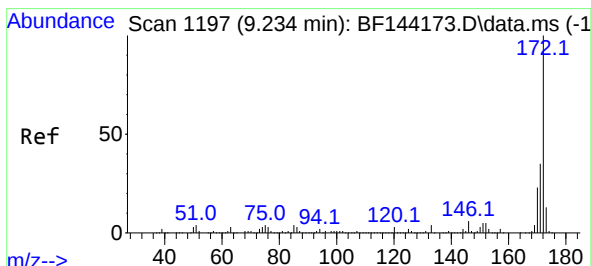
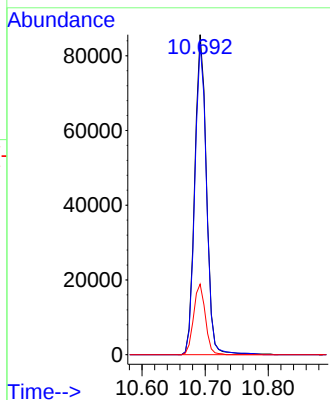
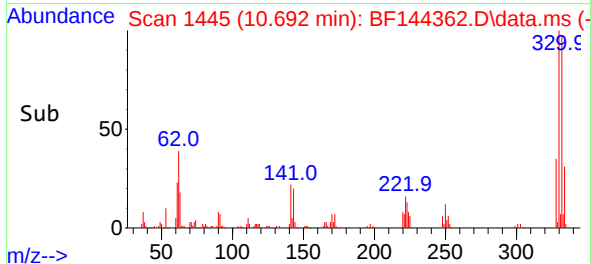


#42
2,4,6-Tribromophenol
Concen: 76.505 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

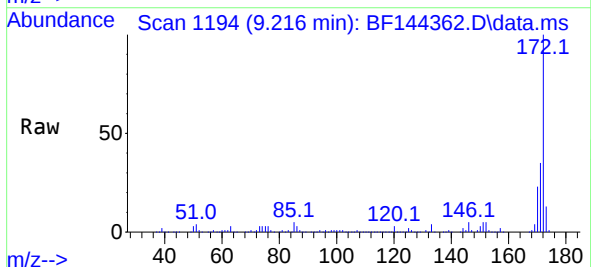
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BNA_F
ClientSampleId :
S-2



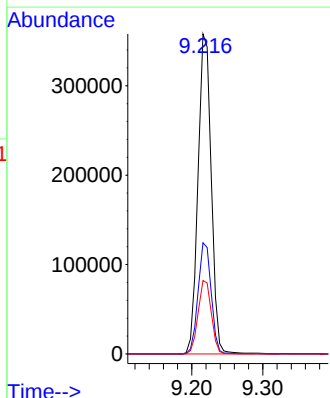
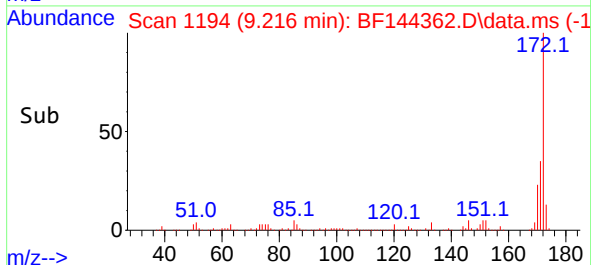
Tgt Ion:330 Resp: 110278
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 21.9 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 59.860 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41



Tgt Ion:172 Resp: 465556
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.0 18.6 28.0

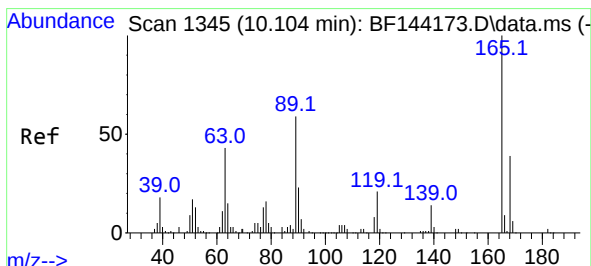
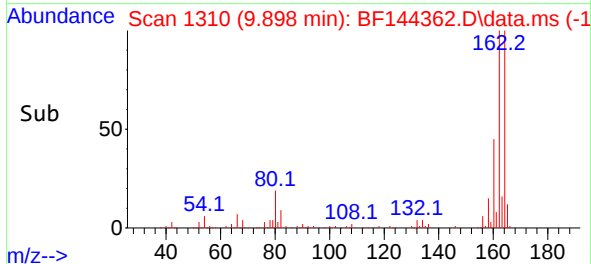
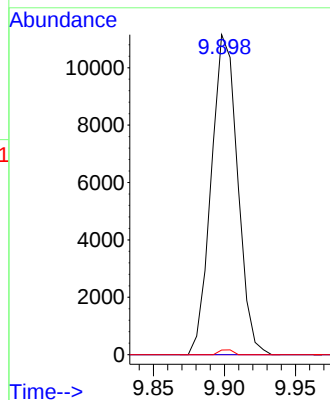
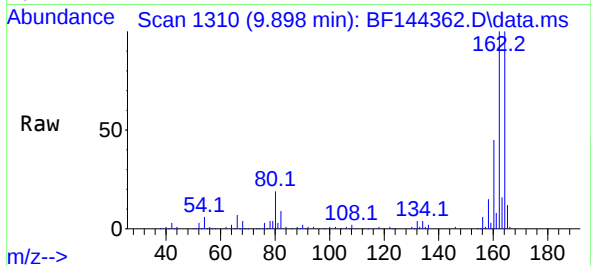




#51
2,6-Dinitrotoluene
Concen: 9.339 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

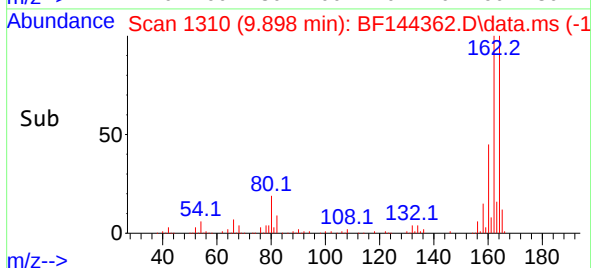
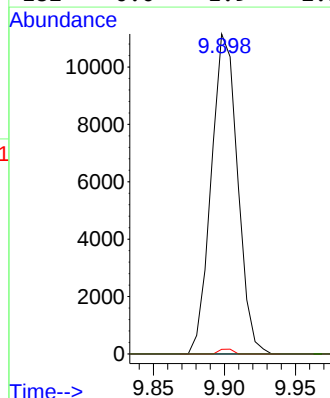
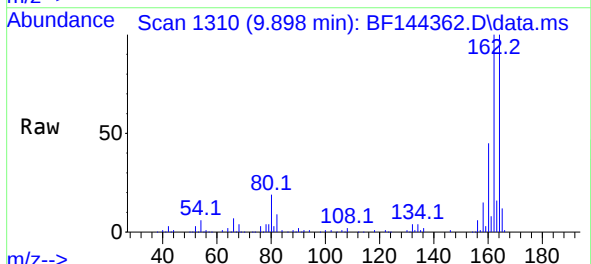
Instrument :
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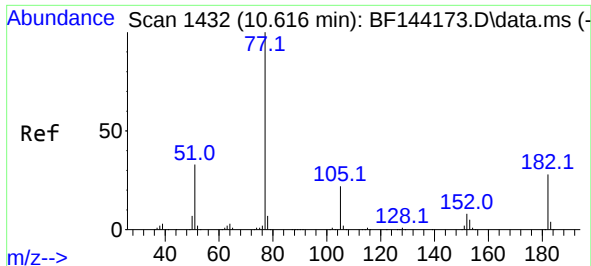
Tgt Ion:165 Resp: 14386
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 1.4 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.976 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion:165 Resp: 14386
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 1.4 47.4 71.2#
182 0.0 1.9 2.9#

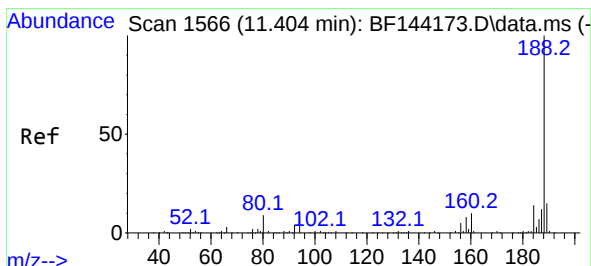
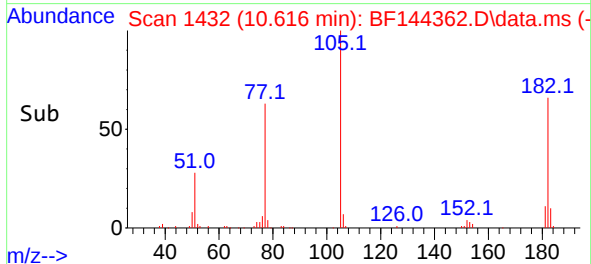
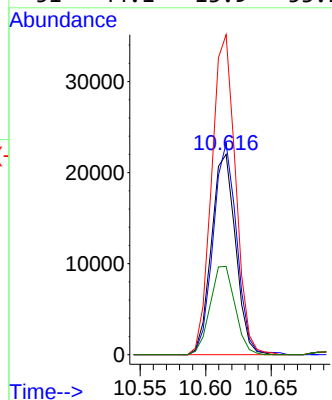
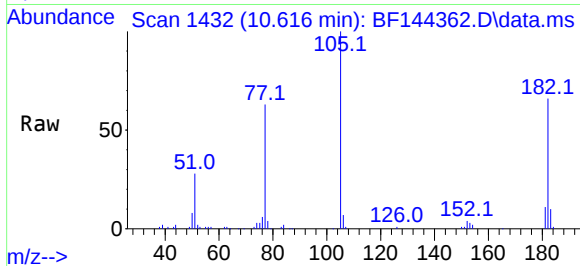




#63
Azobenzene
Concen: 4.318 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

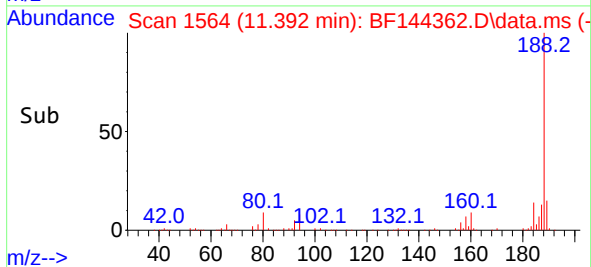
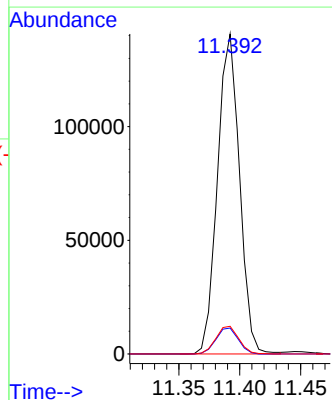
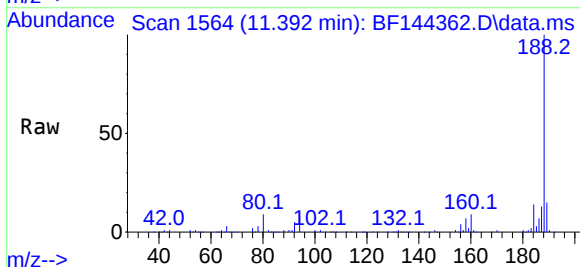
Instrument :
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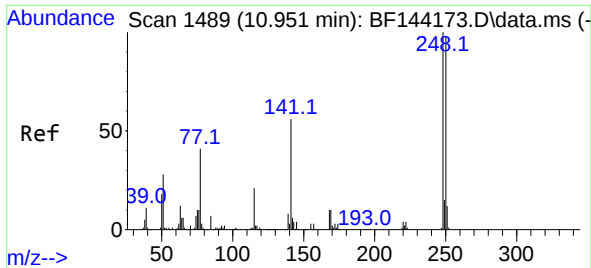
Tgt Ion: 77	Resp: 28190
Ion Ratio	Lower Upper
77 100	
182 105.6	8.1 48.1#
105 159.7	2.0 42.0#
51 44.1	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion: 188	Resp: 177276
Ion Ratio	Lower Upper
188 100	
94 8.1	6.2 9.2
80 8.6	6.9 10.3

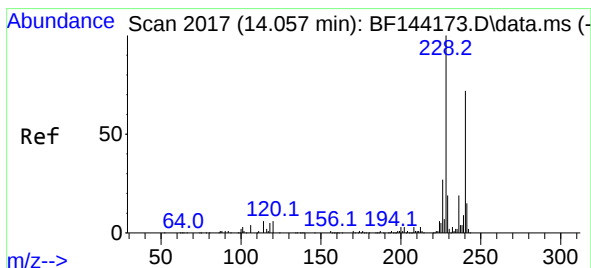
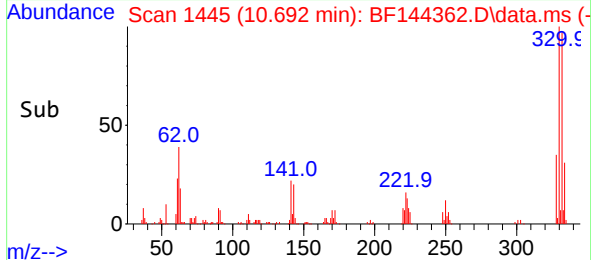
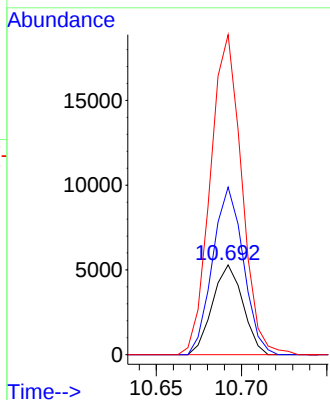
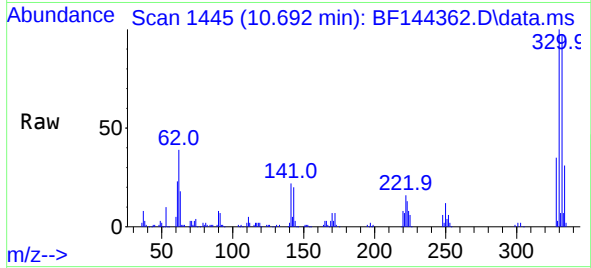




#67
4-Bromophenyl-phenylether
Concen: 2.917 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

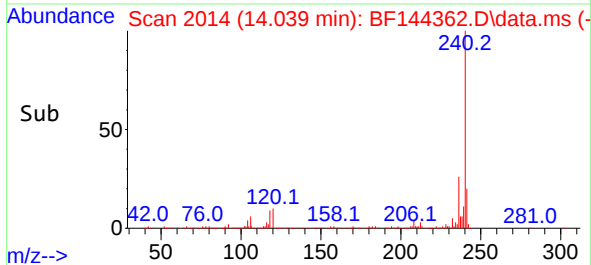
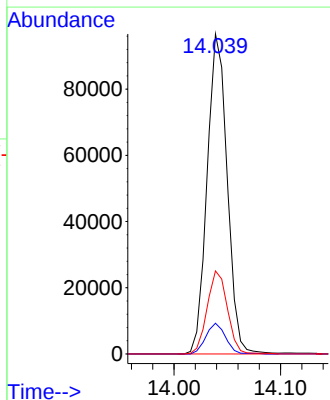
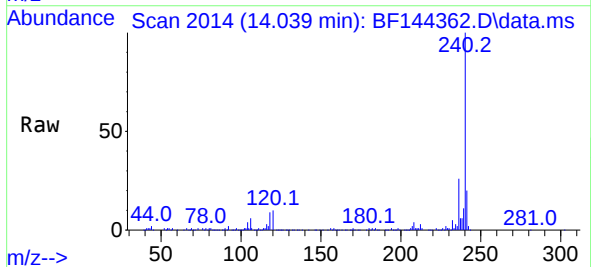
Instrument :
BNA_F
ClientSampleId :
S-2

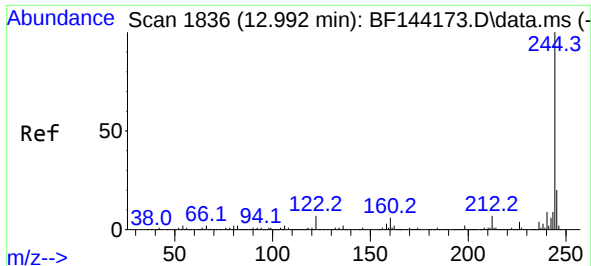
Tgt Ion:248 Resp: 6600
Ion Ratio Lower Upper
248 100
250 186.5 78.4 117.6#
141 356.2 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion:240 Resp: 126619
Ion Ratio Lower Upper
240 100
120 9.6 6.6 10.0
236 26.0 21.4 32.2

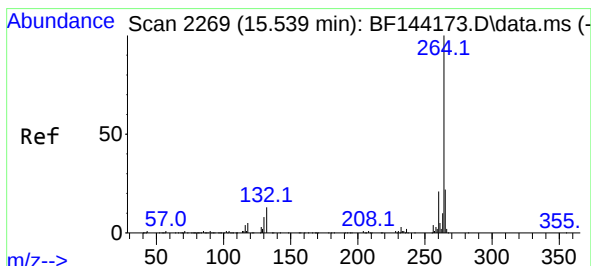
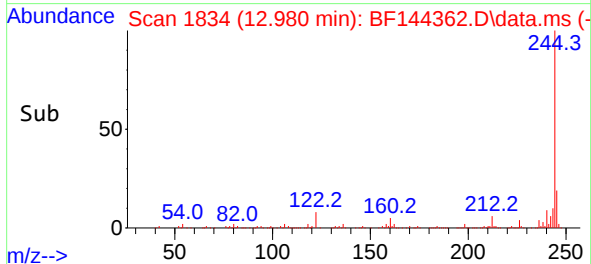
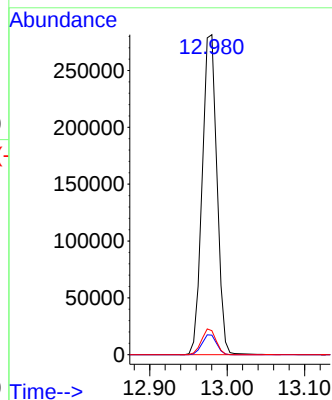
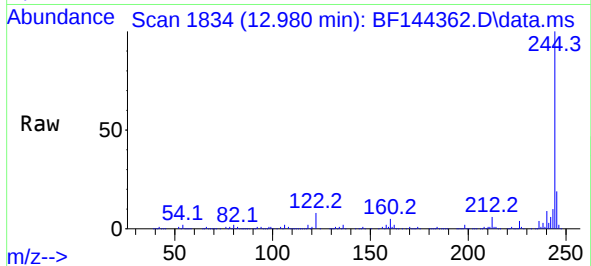




#79
Terphenyl-d14
Concen: 46.654 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Instrument :
BNA_F
ClientSampleId :
S-2

Tgt Ion:244 Resp: 371898
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 7.5 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144362.D
Acq: 26 Nov 2025 15:41

Tgt Ion:264 Resp: 166750
Ion Ratio Lower Upper
264 100
260 22.7 17.1 25.7
265 22.0 17.4 26.0

