

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144109.D
 Acq On : 28 Oct 2025 19:13
 Operator : RC/JU
 Sample : Q3440-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JB-2

Quant Time: Oct 29 05:45:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

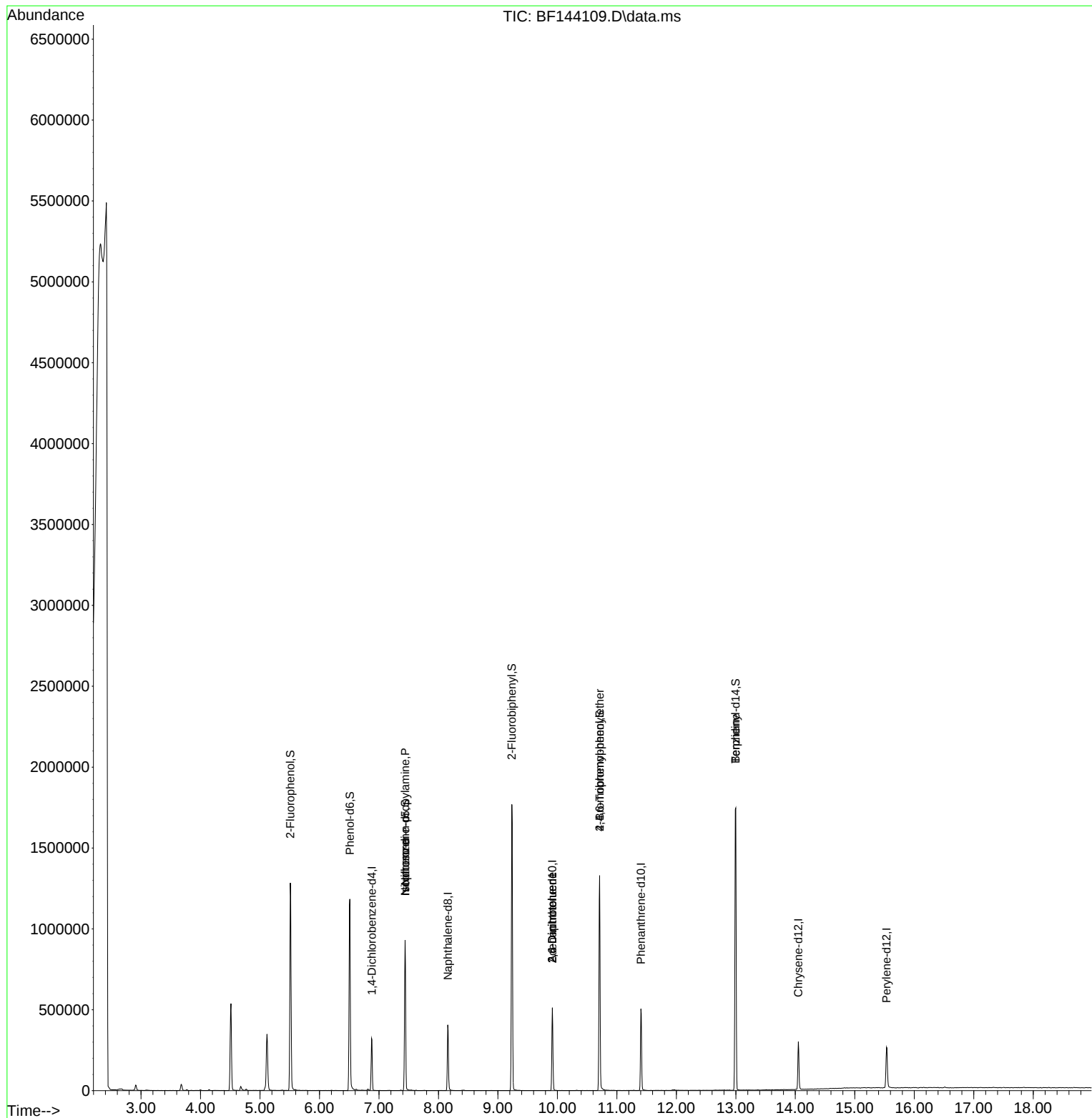
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	67393	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	267612	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	160096	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	289566	20.000	ng	0.00
76) Chrysene-d12	14.051	240	160549	20.000	ng	0.00
86) Perylene-d12	15.533	264	172307	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	478150	112.250	ng	0.02
7) Phenol-d6	6.510	99	520907	110.728	ng	0.00
23) Nitrobenzene-d5	7.439	82	396224	81.117	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	273442	134.085	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	836805	73.554	ng	0.00
79) Terphenyl-d14	12.998	244	968111	105.418	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	61011	20.055	ng	# 71
25) Isophorone	7.439	82	396219	46.397	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	20091	9.684	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	20091	7.176	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	15164	4.183	ng	# 1
77) Benzydine	12.998	184	12073	2.416	ng	# 94

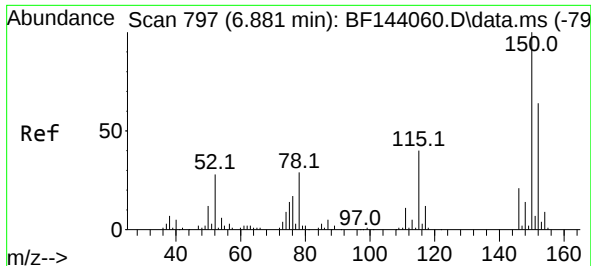
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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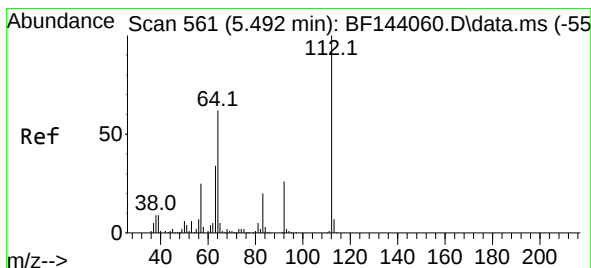
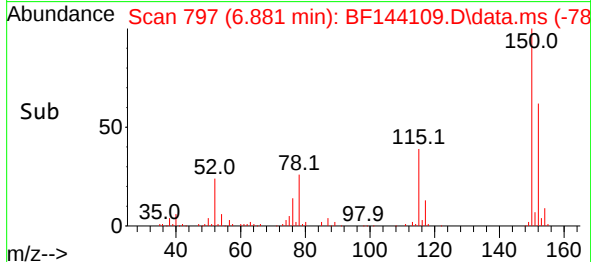
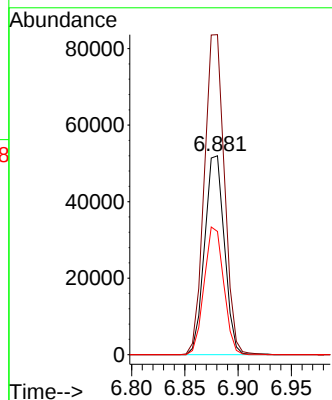
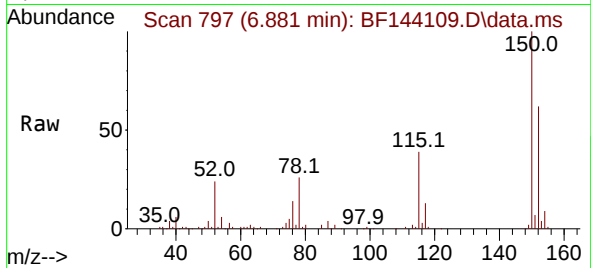




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

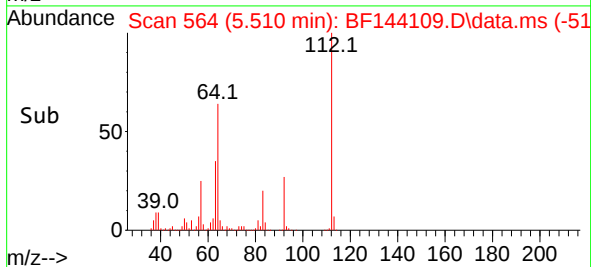
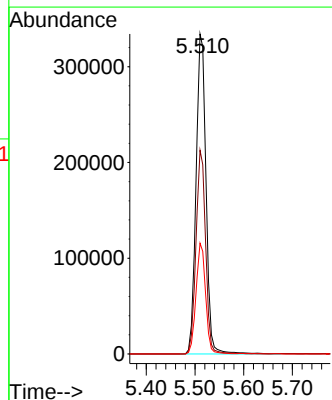
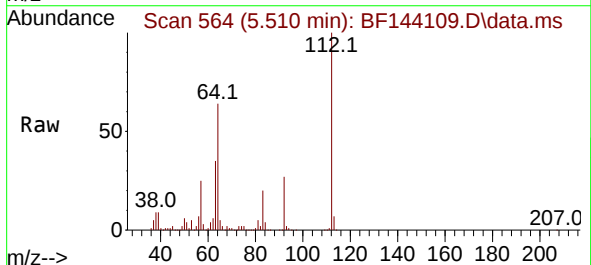
Instrument :
BNA_F
ClientSampleId :
JB-2

Tgt Ion:152 Resp: 67393
Ion Ratio Lower Upper
152 100
150 160.9 124.4 186.6
115 62.0 49.4 74.0



#5
2-Fluorophenol
Concen: 112.250 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Tgt Ion:112 Resp: 478150
Ion Ratio Lower Upper
112 100
64 63.6 49.8 74.8
63 34.6 27.4 41.2





#7
Phenol-d6
Concen: 110.728 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

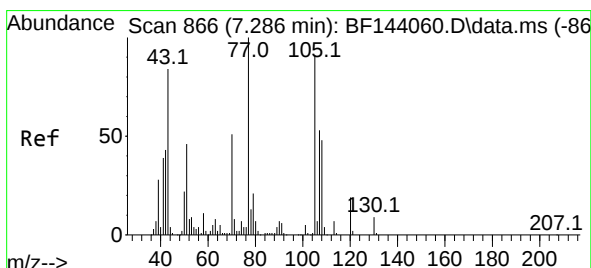
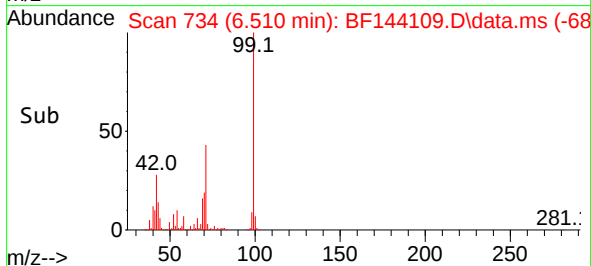
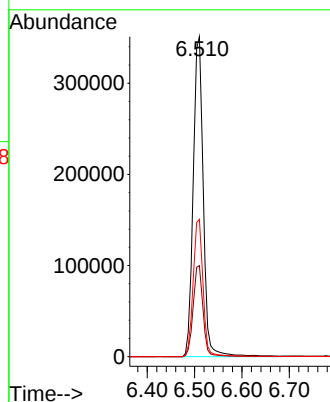
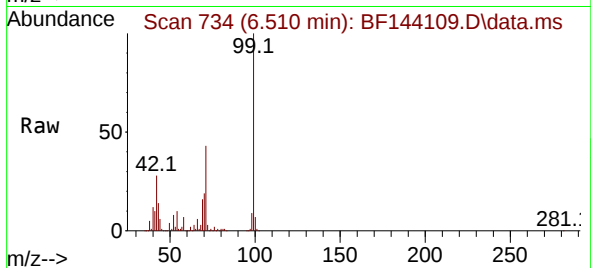
Instrument :

BNA_F

ClientSampleId :

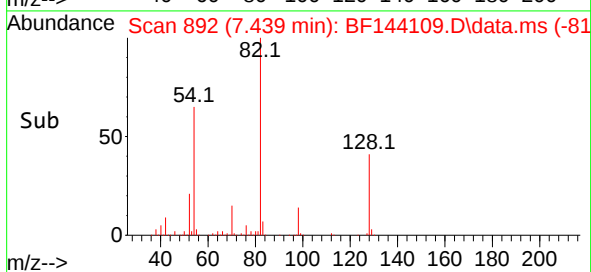
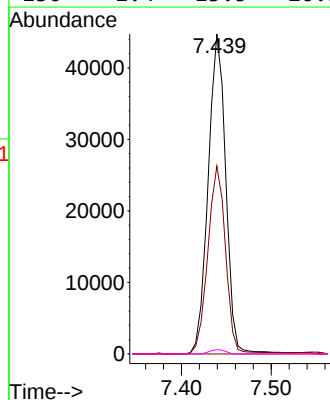
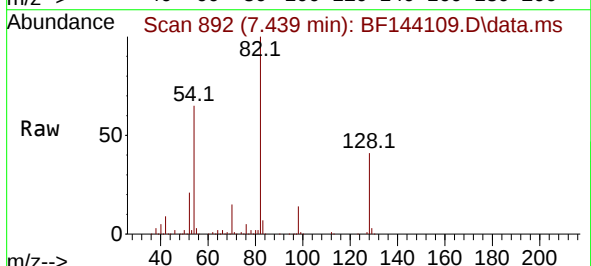
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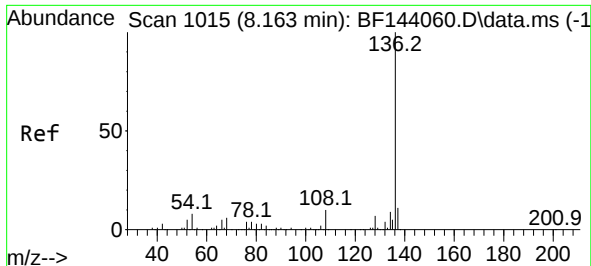
Tgt Ion: 99 Resp: 520907
Ion Ratio Lower Upper
99 100
42 28.5 23.9 35.9
71 42.9 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.055 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Tgt Ion: 70 Resp: 61011
Ion Ratio Lower Upper
70 100
42 58.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.4 13.5 20.3#



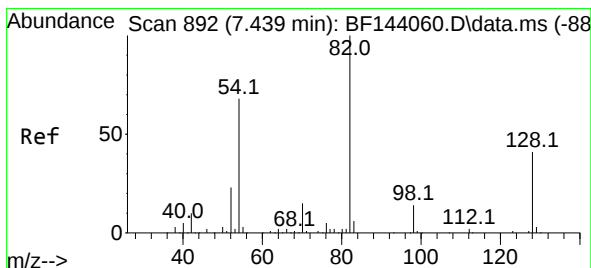
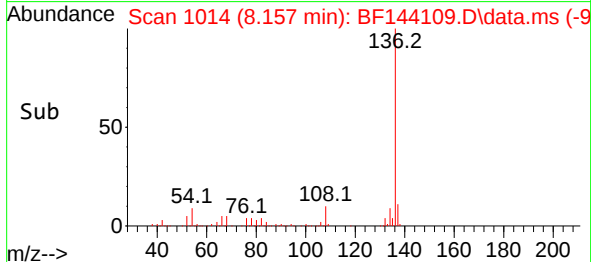
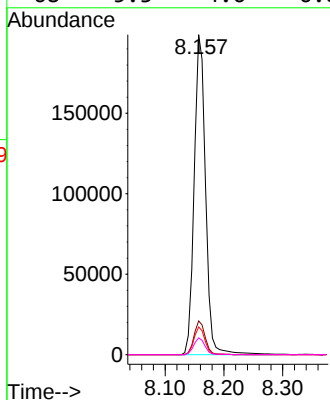
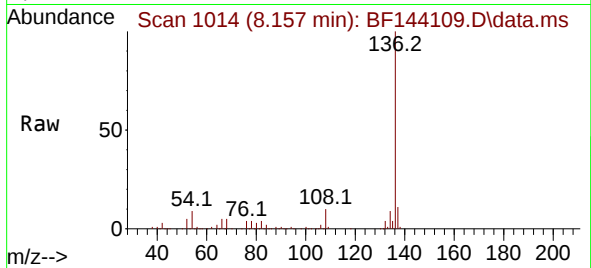


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Instrument :
BNA_F
ClientSampleId :
JB-2

Tgt Ion:136 Resp: 267612

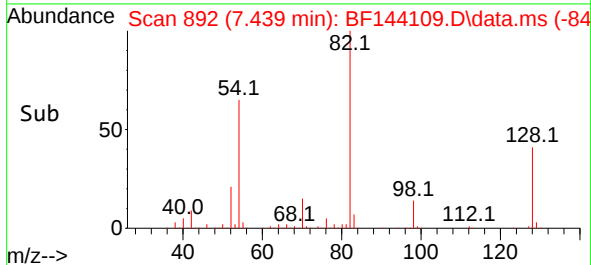
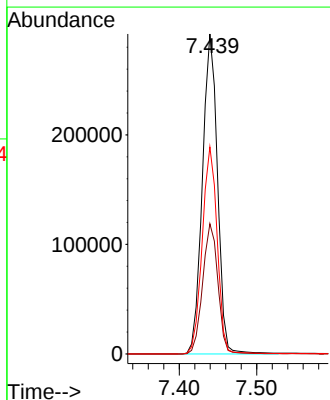
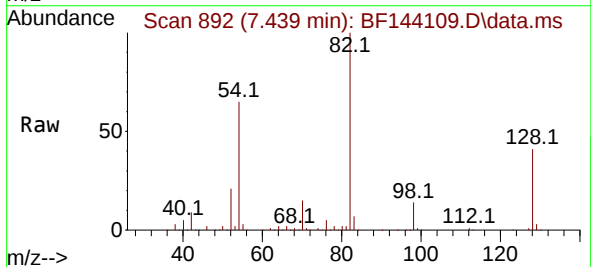
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.7	6.6	9.8
68	5.3	4.6	6.8

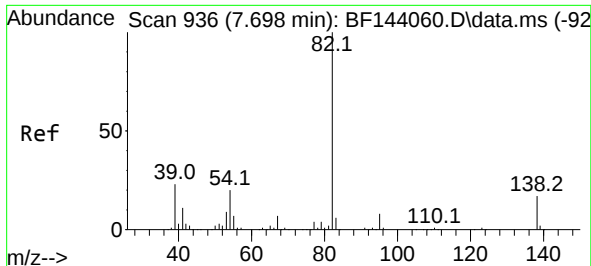


#23
Nitrobenzene-d5
Concen: 81.117 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Tgt Ion: 82 Resp: 396224

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.4	48.6
54	64.7	54.0	81.0

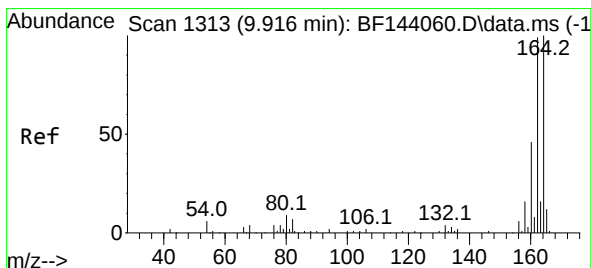
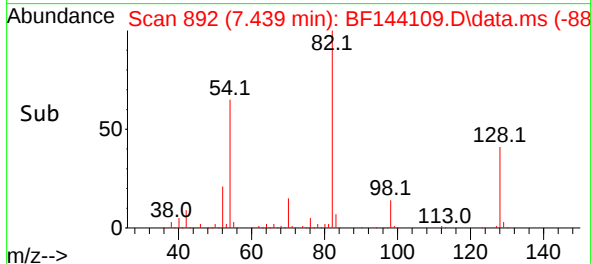
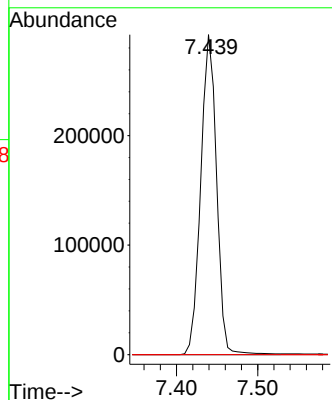
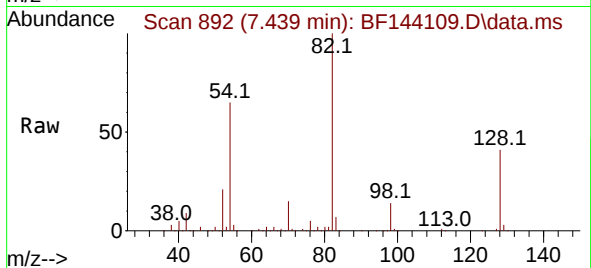




#25
Isophorone
Concen: 46.397 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

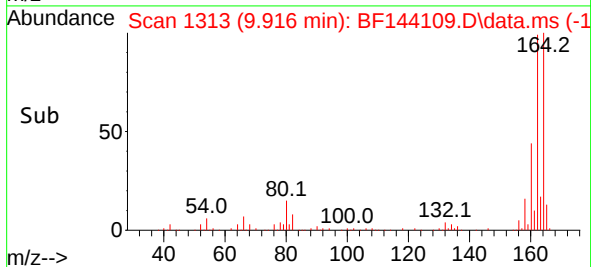
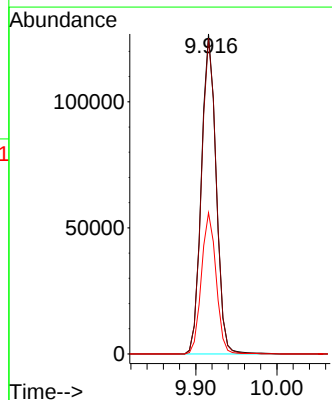
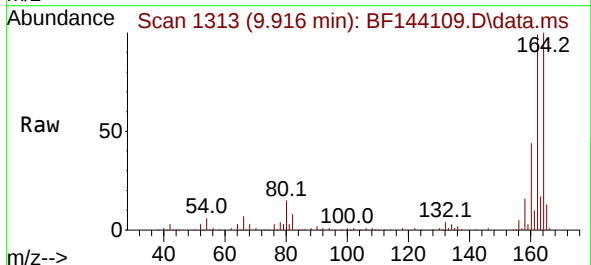
Instrument :
BNA_F
ClientSampleId :
JB-2

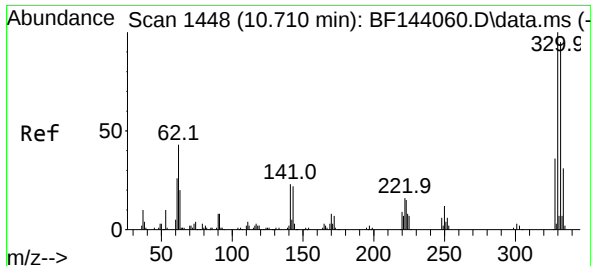
Tgt Ion: 82 Resp: 396219
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Tgt Ion:164 Resp: 160096
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.2
160 44.1 36.7 55.1

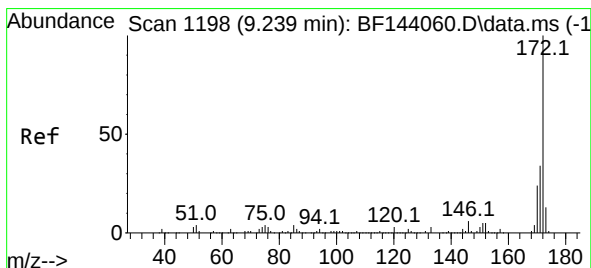
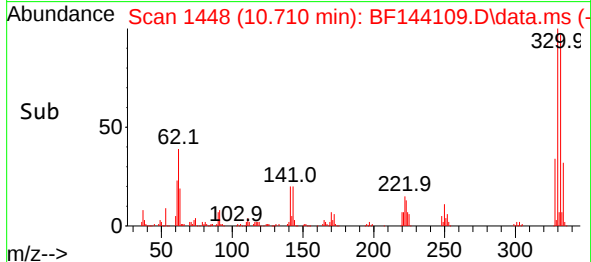
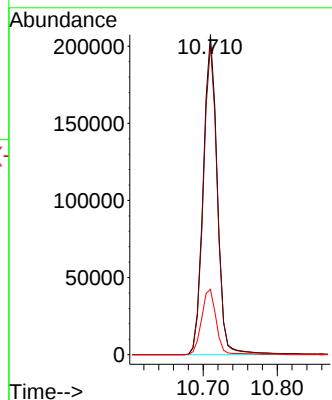
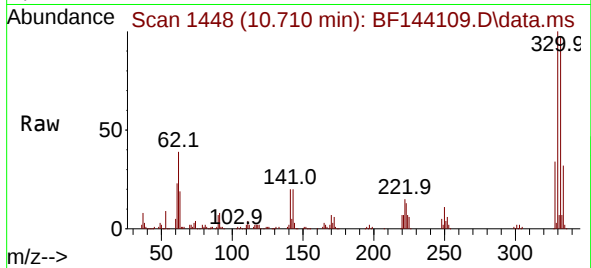




#42
 2,4,6-Tribromophenol
 Concen: 134.085 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. 0.000 min
 Lab File: BF144109.D
 Acq: 28 Oct 2025 19:13

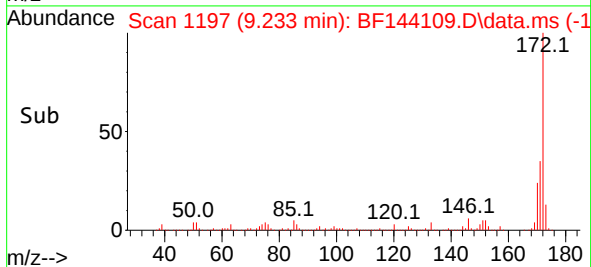
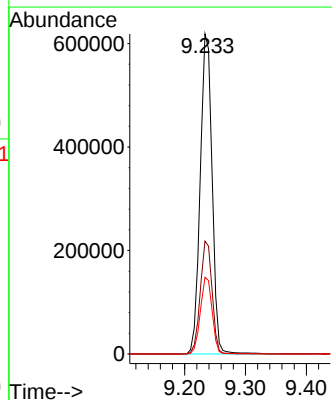
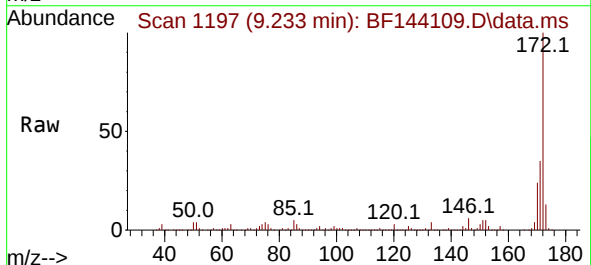
Instrument :
 BNA_F
 ClientSampleId :
 JB-2

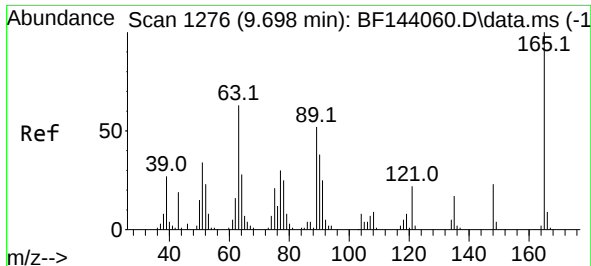
Tgt Ion:330 Resp: 273442
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 21.5 19.4 29.0



#45
 2-Fluorobiphenyl
 Concen: 73.554 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.006 min
 Lab File: BF144109.D
 Acq: 28 Oct 2025 19:13

Tgt Ion:172 Resp: 836805
 Ion Ratio Lower Upper
 172 100
 171 35.3 27.5 41.3
 170 24.0 19.0 28.6

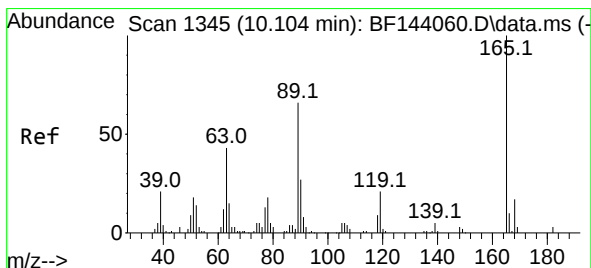
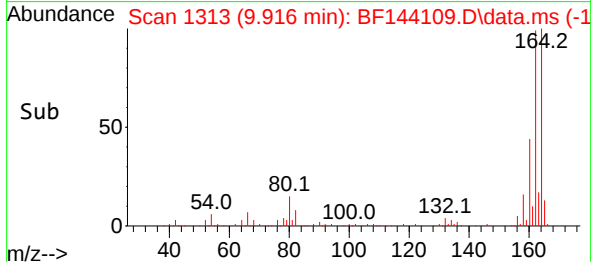
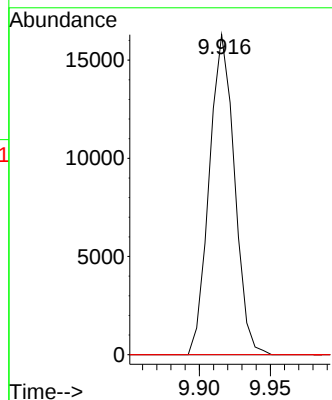
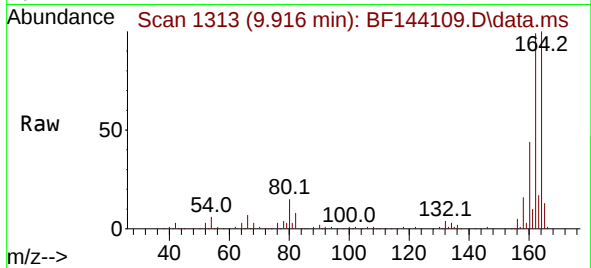




#51
2,6-Dinitrotoluene
Concen: 9.684 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

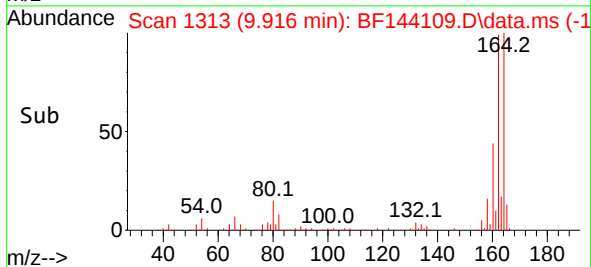
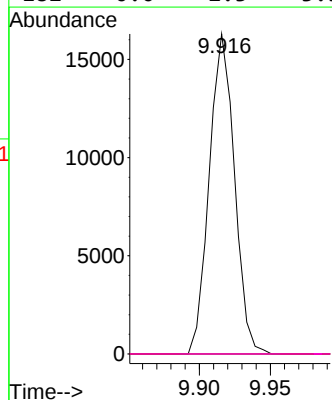
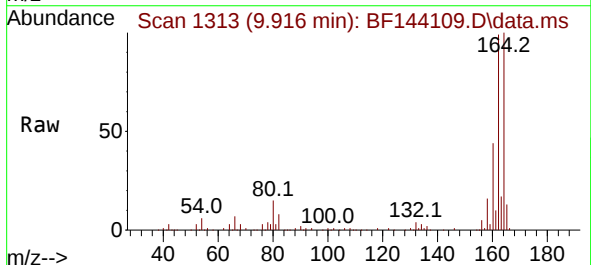
Instrument :
BNA_F
ClientSampleId :
JB-2

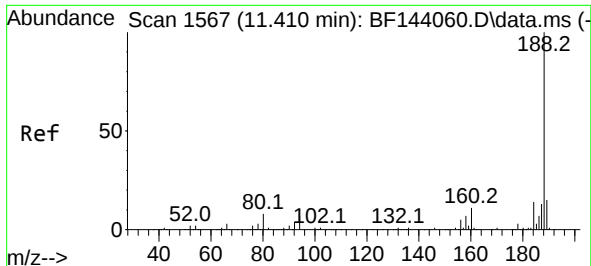
Tgt Ion:165 Resp: 20091
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.176 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Tgt Ion:165 Resp: 20091
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#

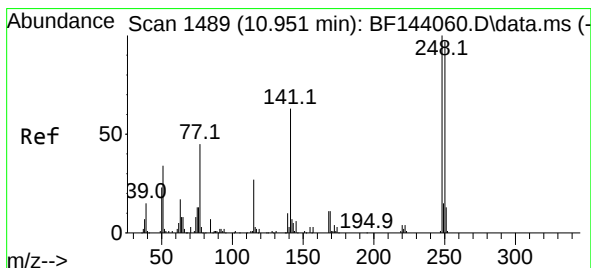
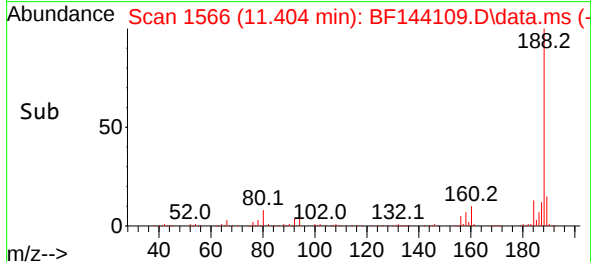
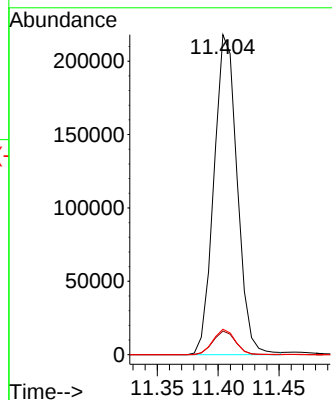
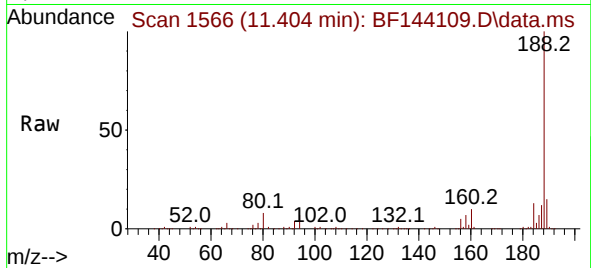




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

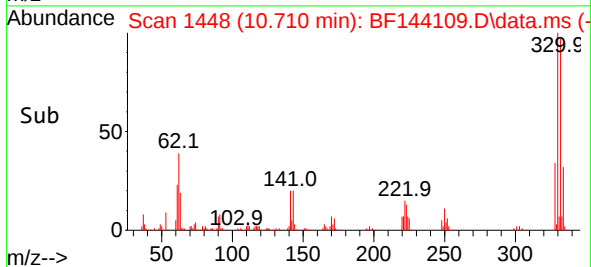
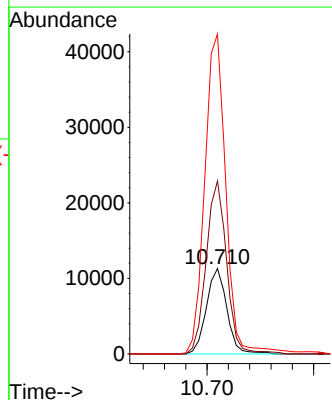
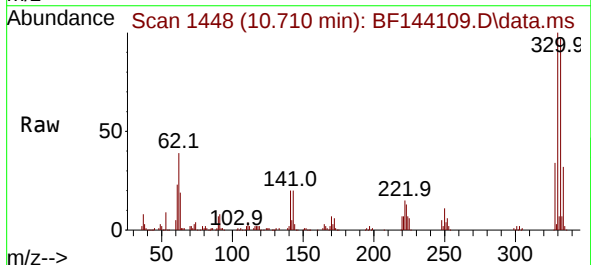
Instrument :
BNA_F
ClientSampleId :
JB-2

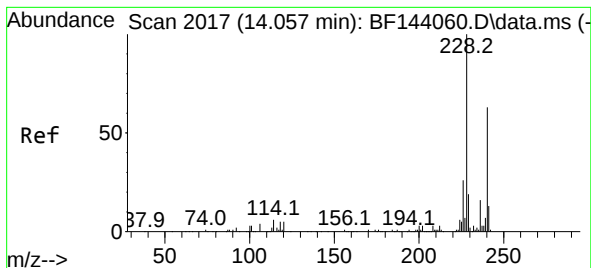
Tgt Ion:188 Resp: 289566
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 7.9 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.183 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144109.D
Acq: 28 Oct 2025 19:13

Tgt Ion:248 Resp: 15164
Ion Ratio Lower Upper
248 100
250 202.6 77.8 116.6#
141 374.8 50.5 75.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144109.D

Acq: 28 Oct 2025 19:13

Instrument :

BNA_F

ClientSampleId :

JB-2

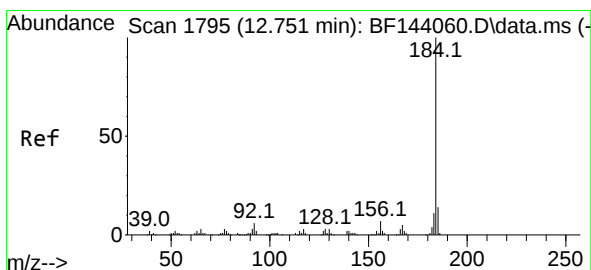
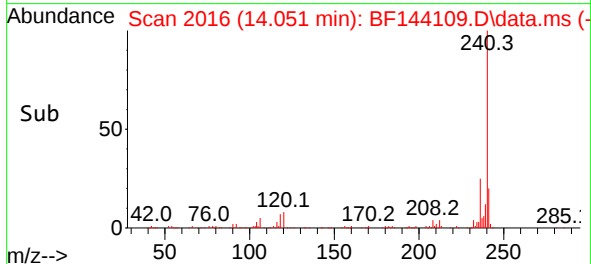
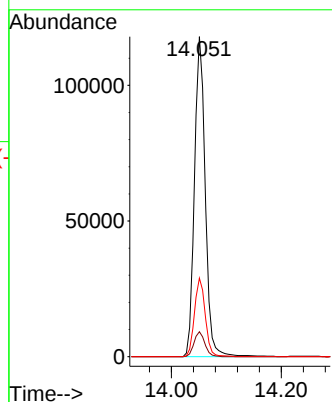
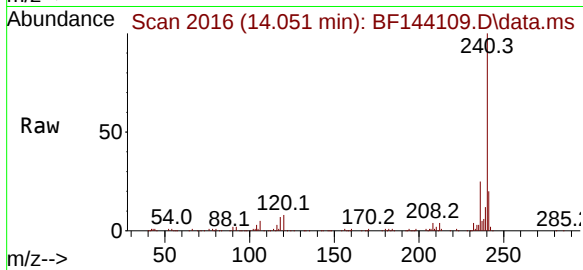
Tgt Ion:240 Resp: 160549

Ion Ratio Lower Upper

240 100

120 7.8 6.5 9.7

236 24.6 20.1 30.1



#77

Benzidine

Concen: 2.416 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144109.D

Acq: 28 Oct 2025 19:13

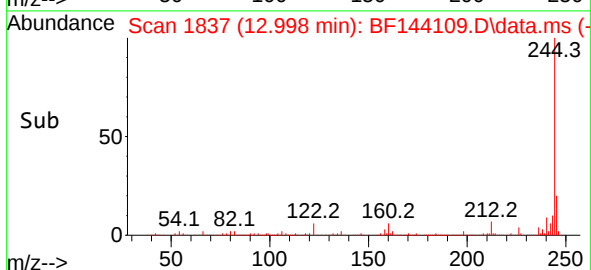
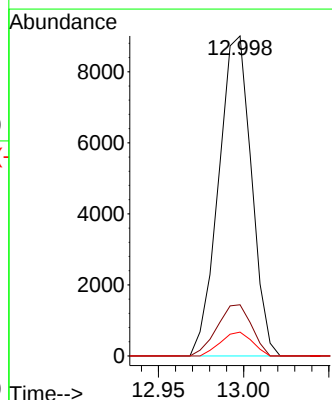
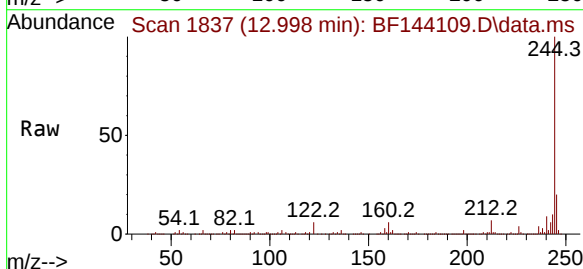
Tgt Ion:184 Resp: 12073

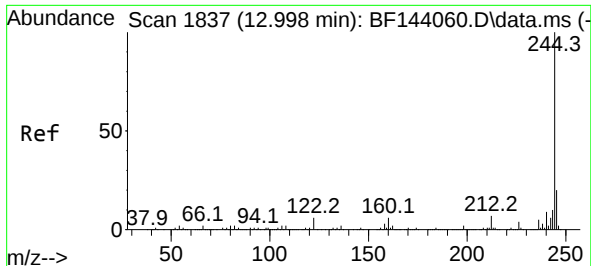
Ion Ratio Lower Upper

184 100

185 16.0 11.6 17.4

183 7.4 8.5 12.7#

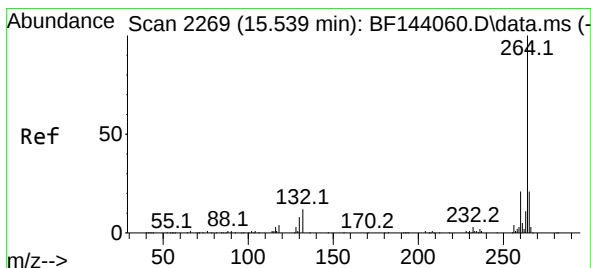
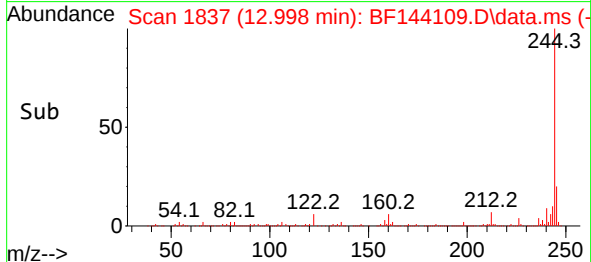
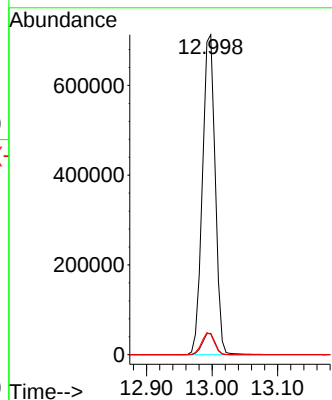
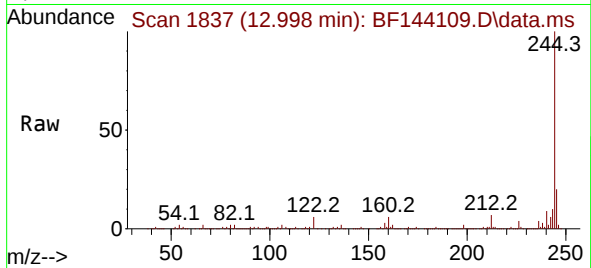




#79
 Terphenyl-d14
 Concen: 105.418 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144109.D
 Acq: 28 Oct 2025 19:13

Instrument :
 BNA_F
 ClientSampleId :
 JB-2

Tgt Ion:244 Resp: 968111
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 6.4 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144109.D
 Acq: 28 Oct 2025 19:13

Tgt Ion:264 Resp: 172307
 Ion Ratio Lower Upper
 264 100
 260 21.5 17.0 25.4
 265 21.5 16.6 24.8

