

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144201.D
 Acq On : 11 Nov 2025 14:09
 Operator : RC/JU
 Sample : Q3586-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-1

Quant Time: Nov 11 14:29:57 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)

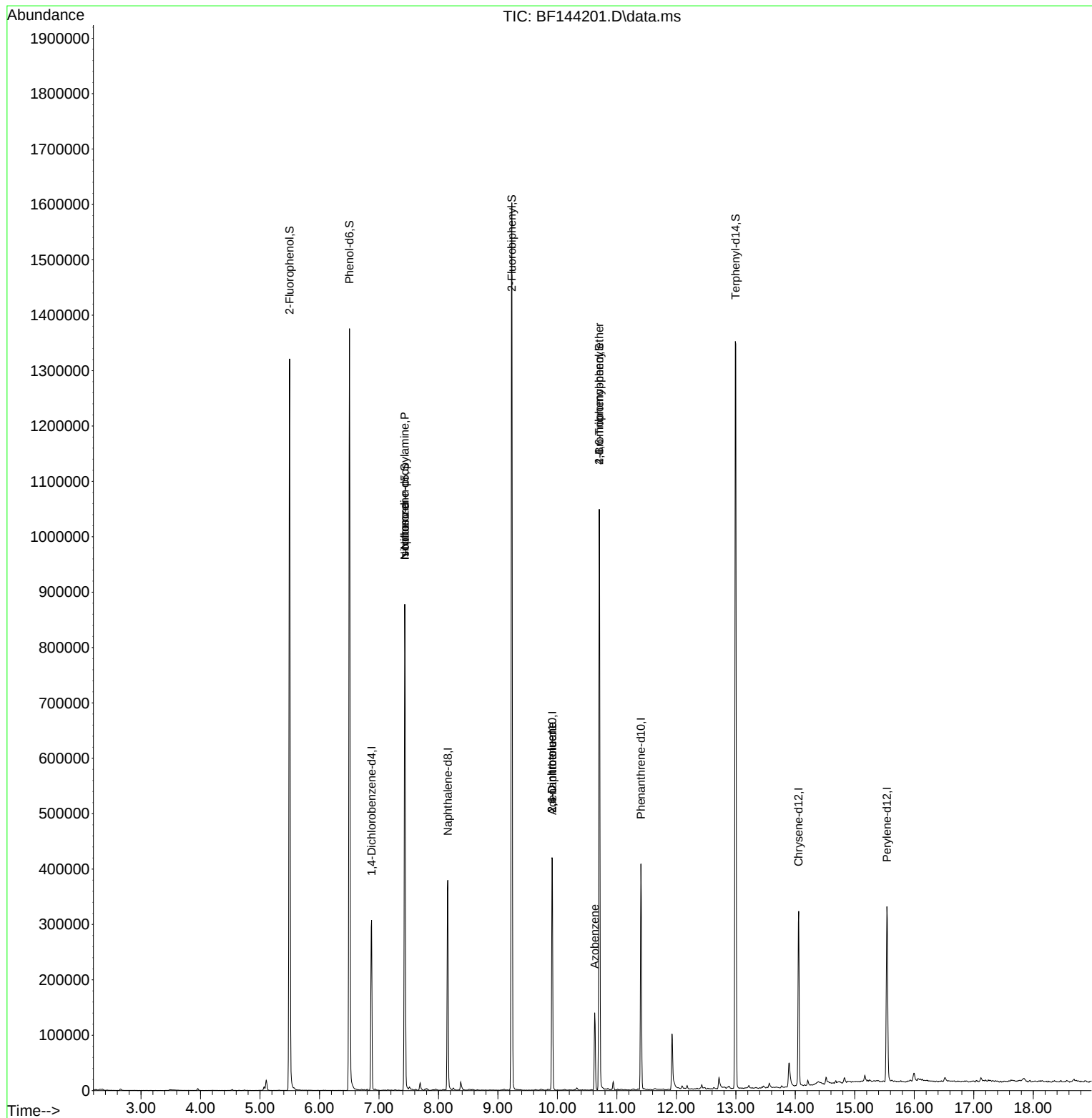
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66900	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	248822	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	132870	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	221346	20.000	ng	0.00
76) Chrysene-d12	14.057	240	167727	20.000	ng	0.00
86) Perylene-d12	15.539	264	213949	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	503087	117.678	ng	0.00
7) Phenol-d6	6.504	99	582365	120.223	ng	0.00
23) Nitrobenzene-d5	7.434	82	371885	86.320	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	210459	126.223	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	758037	84.261	ng	0.00
79) Terphenyl-d14	12.998	244	741841	70.254	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	55863	17.518	ng	# 82
25) Isophorone	7.434	82	371881	45.635	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	17161	9.631	ng	# 28
57) 2,4-Dinitrotoluene	9.910	165	17161	7.194	ng	# 28
63) Azobenzene	10.627	77	35634	4.719	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	12992	4.598	ng	# 1

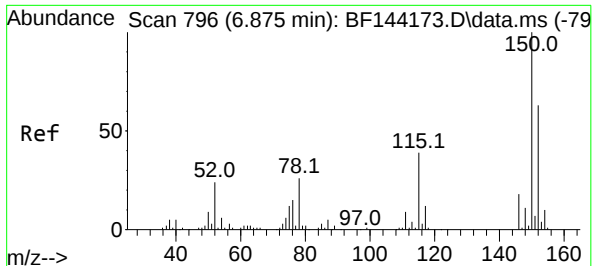
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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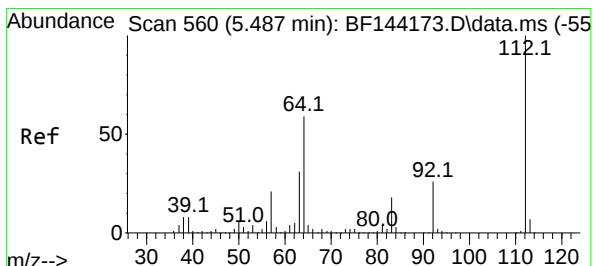
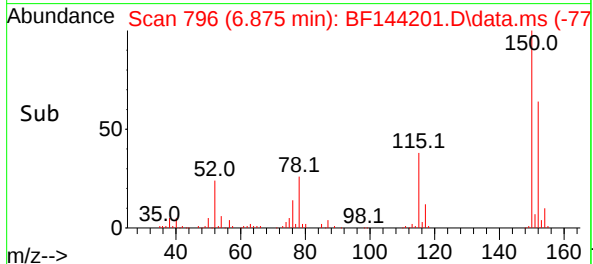
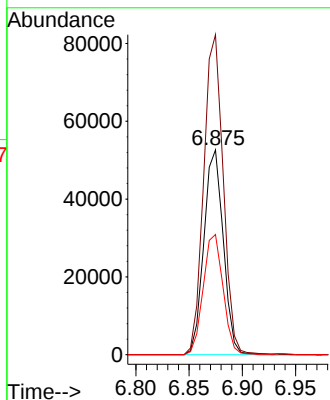
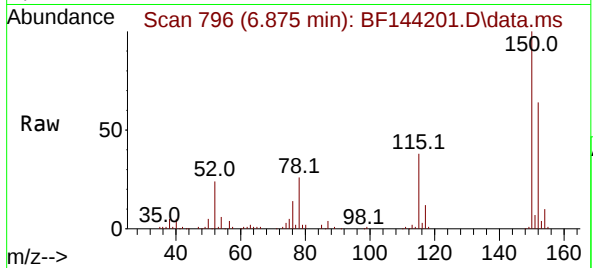




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

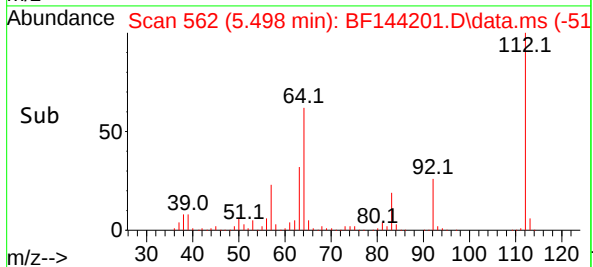
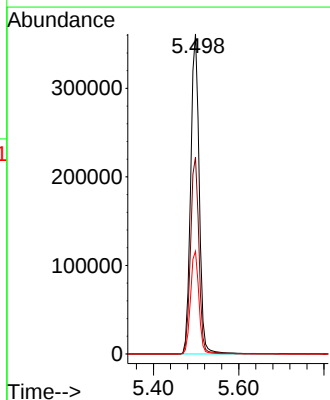
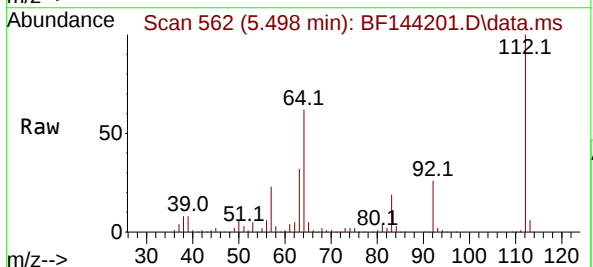
Instrument :
BNA_F
ClientSampleId :
SED-1

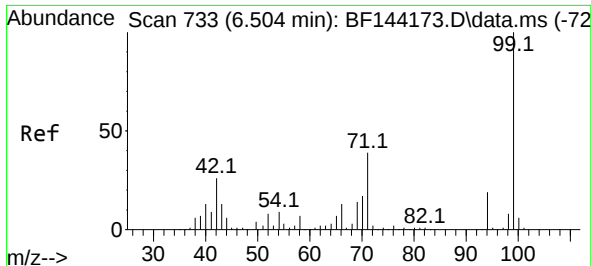
Tgt Ion:152 Resp: 66900
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 58.6 49.5 74.3



#5
2-Fluorophenol
Concen: 117.678 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:112 Resp: 503087
Ion Ratio Lower Upper
112 100
64 61.6 47.2 70.8
63 32.1 24.4 36.6

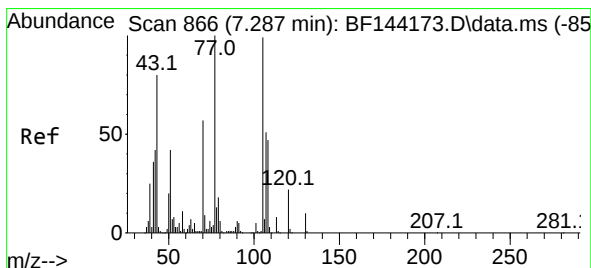
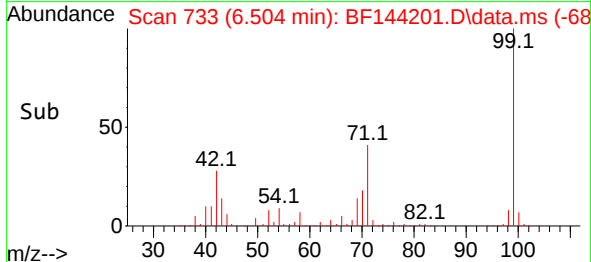
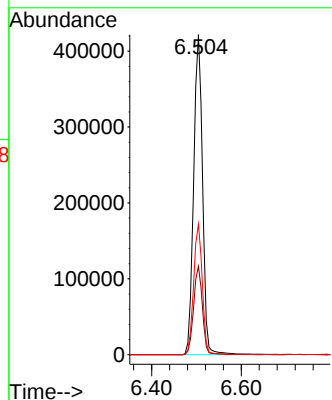
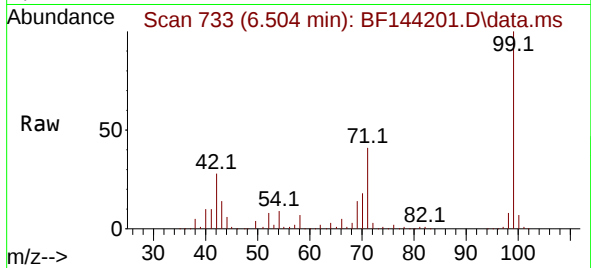




#7
Phenol-d6
Concen: 120.223 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

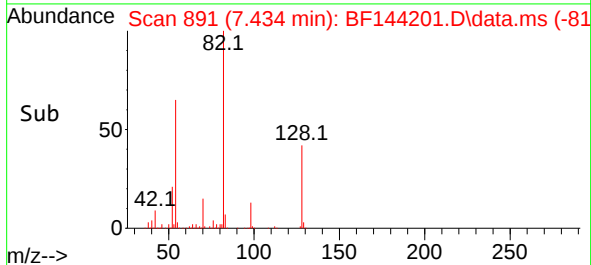
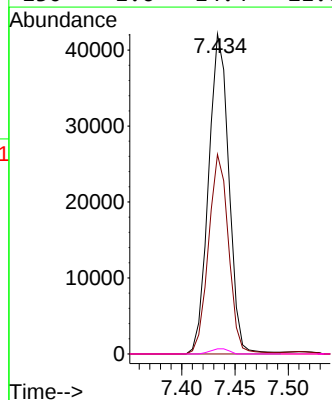
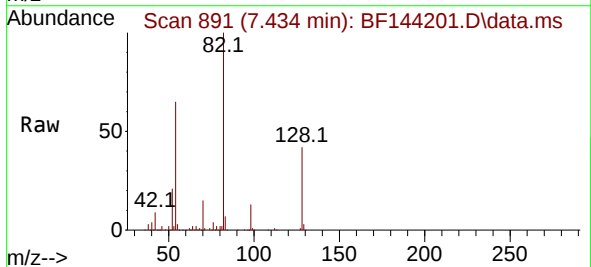
Instrument :
BNA_F
ClientSampleId :
SED-1

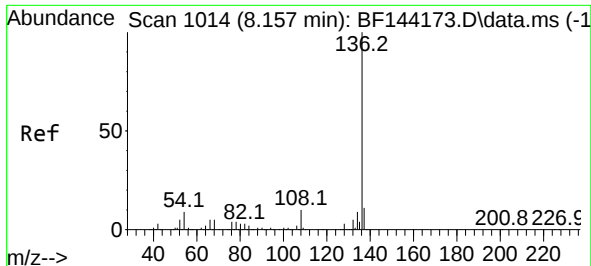
Tgt Ion: 99 Resp: 582365
Ion Ratio Lower Upper
99 100
42 27.7 20.9 31.3
71 40.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.518 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion: 70 Resp: 55863
Ion Ratio Lower Upper
70 100
42 62.4 58.3 87.5
101 0.0 7.0 10.6#
130 1.6 14.4 21.6#



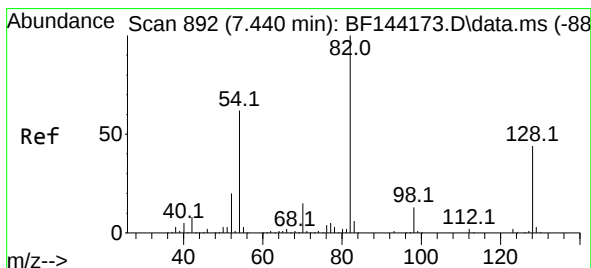
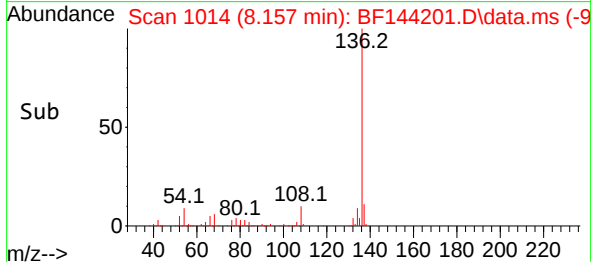
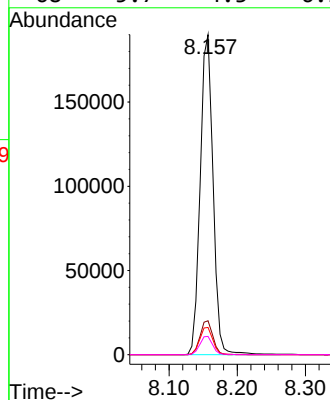
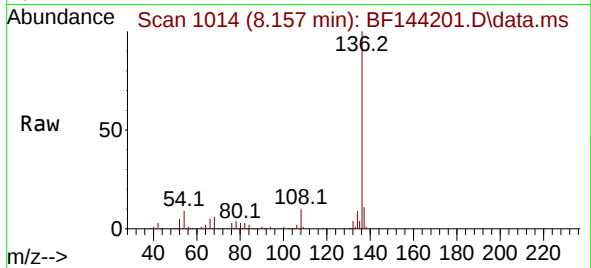


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Instrument :
BNA_F
ClientSampleId :
SED-1

Tgt Ion:136 Resp: 248822

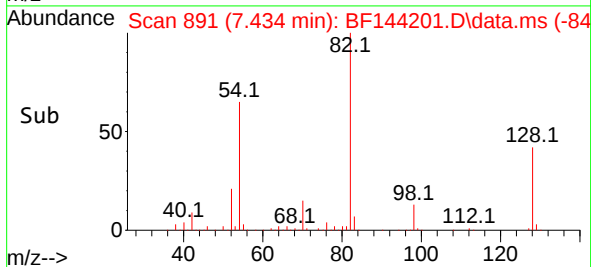
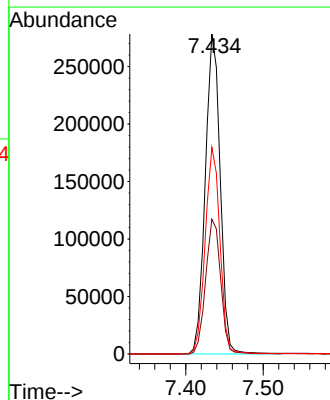
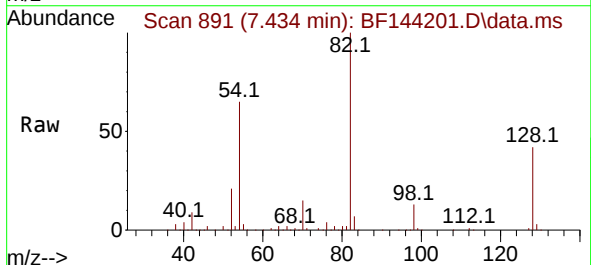
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.5	7.0	10.6
68	5.7	4.3	6.5

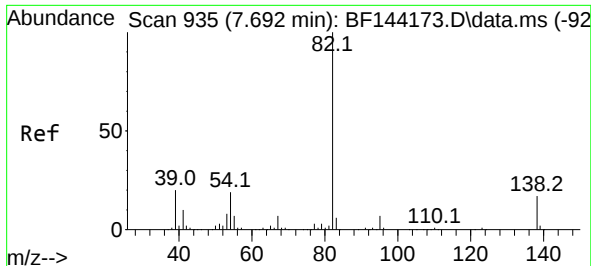


#23
Nitrobenzene-d5
Concen: 86.320 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion: 82 Resp: 371885

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.7	52.1
54	64.6	49.5	74.3

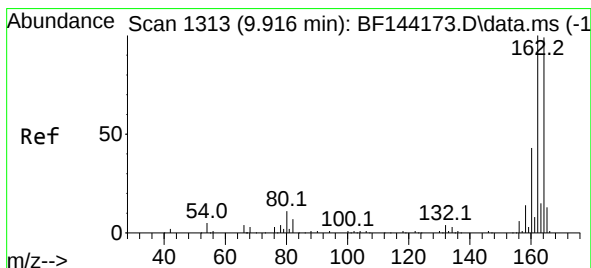
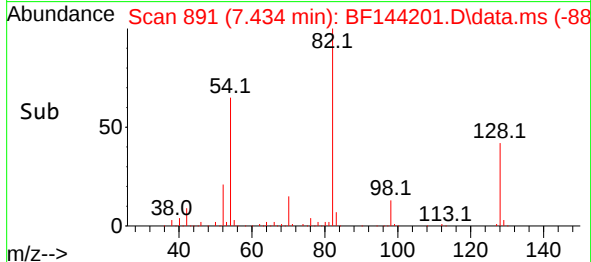
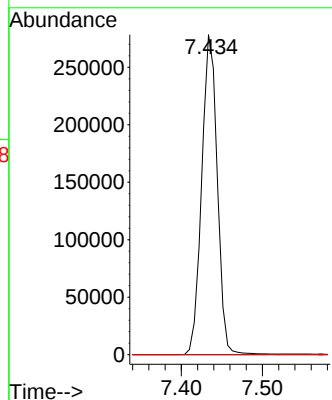
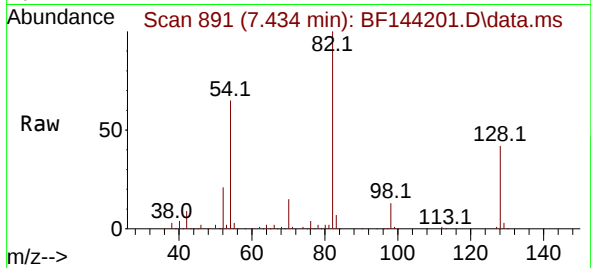




#25
Isophorone
Concen: 45.635 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

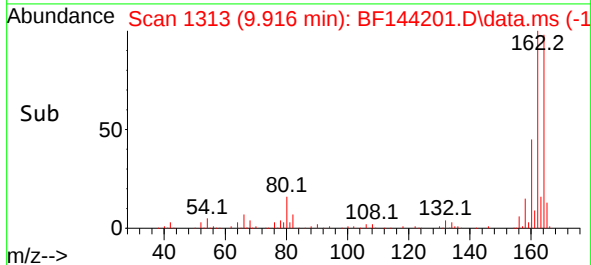
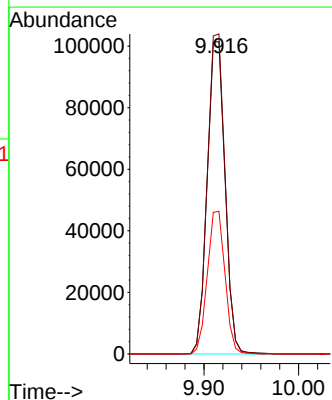
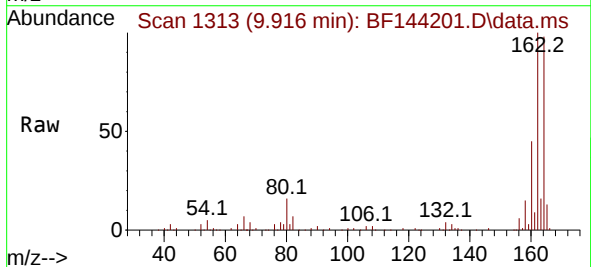
Instrument :
BNA_F
ClientSampleId :
SED-1

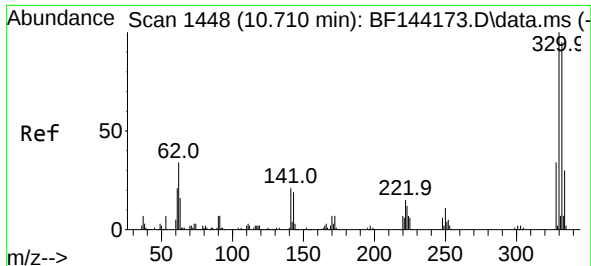
Tgt Ion: 82 Resp: 371881
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:164 Resp: 132870
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 45.7 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 126.223 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

Instrument :

BNA_F

ClientSampleId :

SED-1

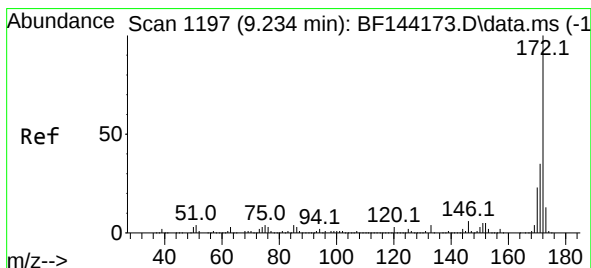
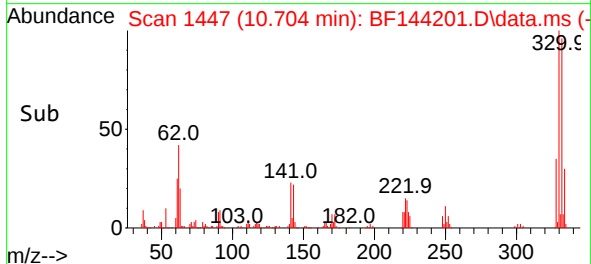
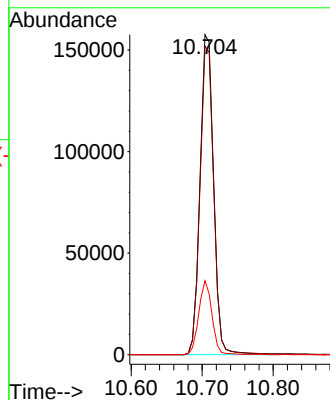
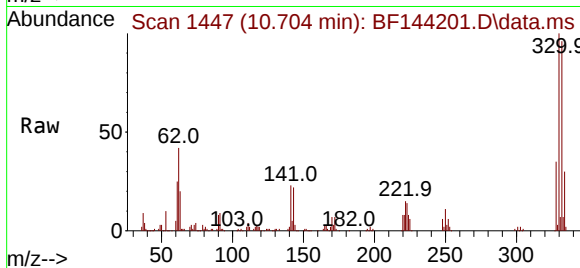
Tgt Ion:330 Resp: 210459

Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

141 22.5 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 84.261 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

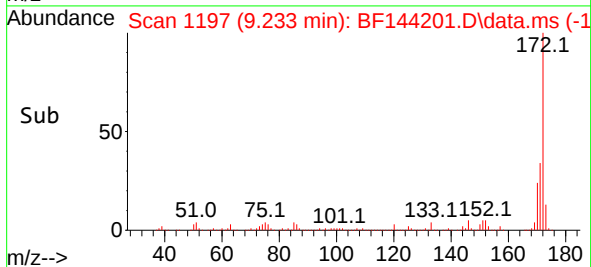
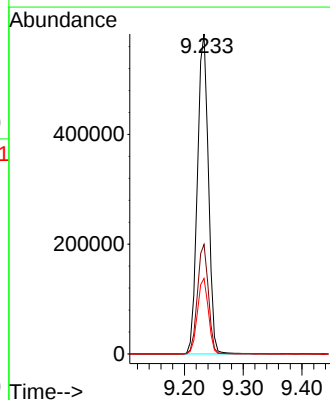
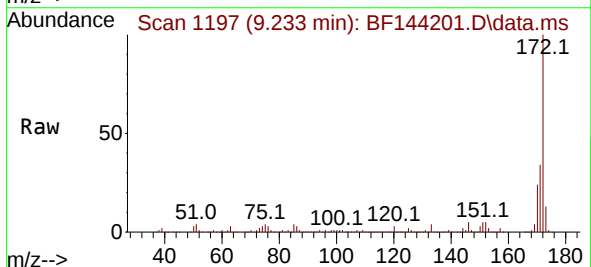
Tgt Ion:172 Resp: 758037

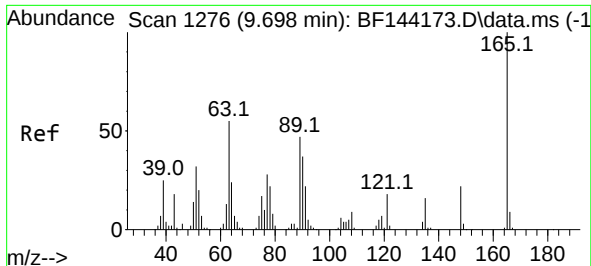
Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 23.6 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.631 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.217 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

Instrument :

BNA_F

ClientSampleId :

SED-1

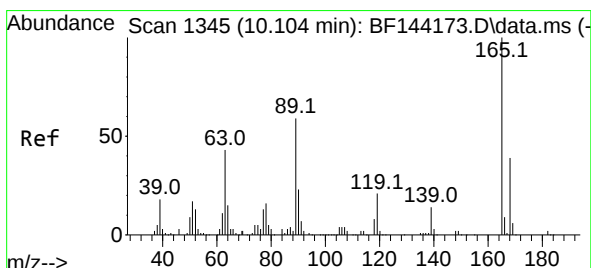
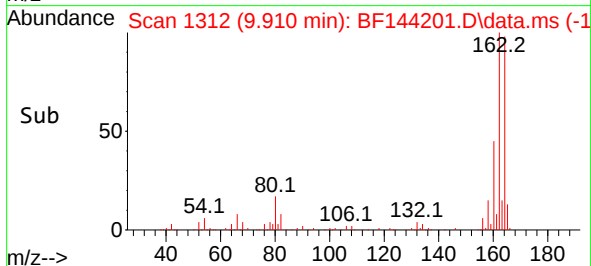
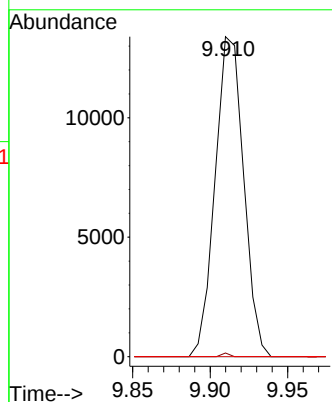
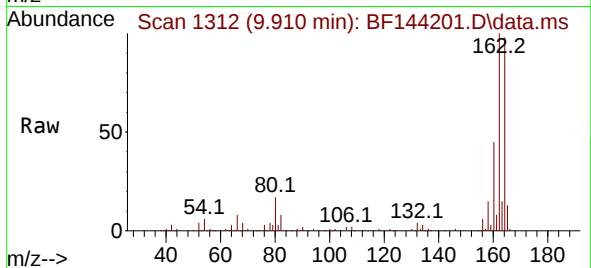
Tgt Ion:165 Resp: 17161

Ion Ratio Lower Upper

165 100

63 1.2 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 7.194 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.188 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

Tgt Ion:165 Resp: 17161

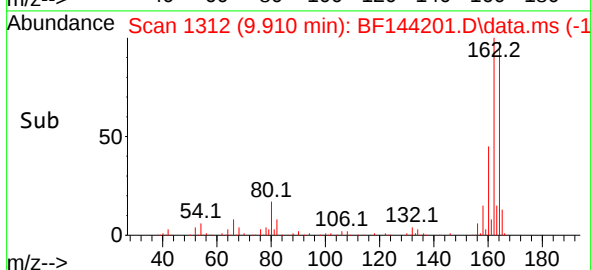
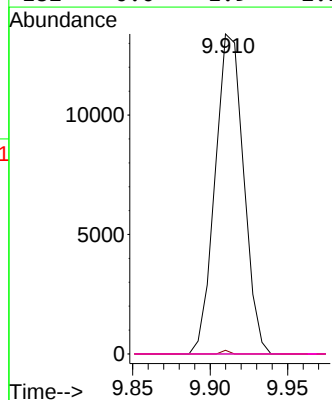
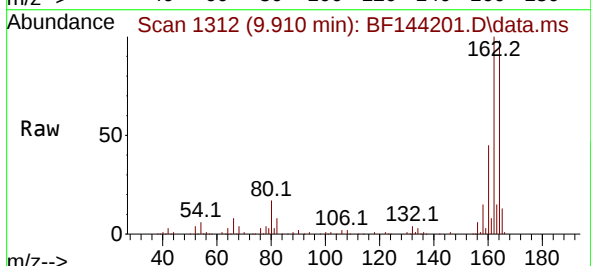
Ion Ratio Lower Upper

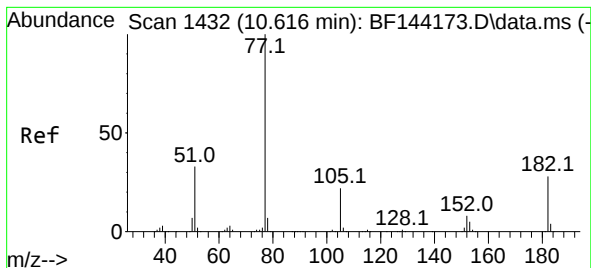
165 100

63 1.2 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 4.719 ng

RT: 10.627 min Scan# 1432

Delta R.T. 0.012 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

Instrument :

BNA_F

ClientSampleId :

SED-1

Tgt Ion: 77 Resp: 35634

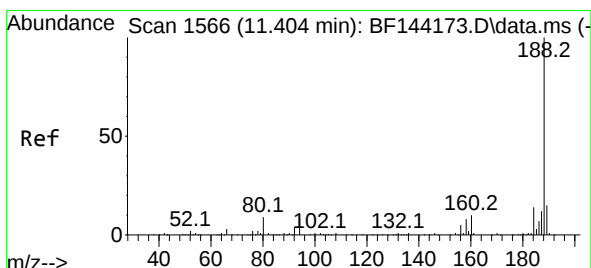
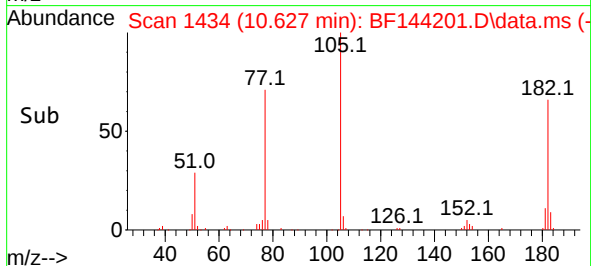
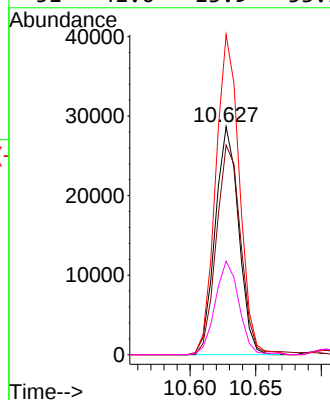
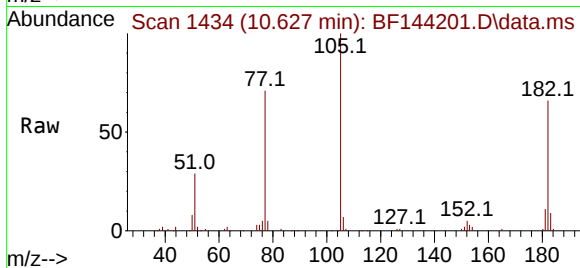
Ion Ratio Lower Upper

77 100

182 92.0 8.1 48.1#

105 140.4 2.0 42.0#

51 41.0 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: BF144201.D

Acq: 11 Nov 2025 14:09

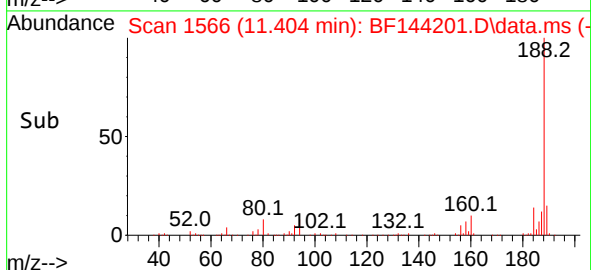
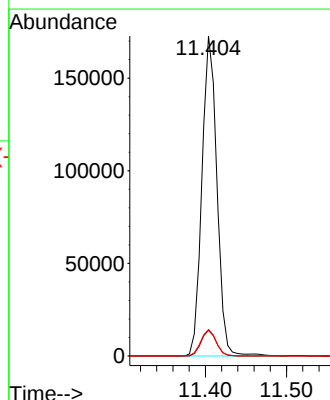
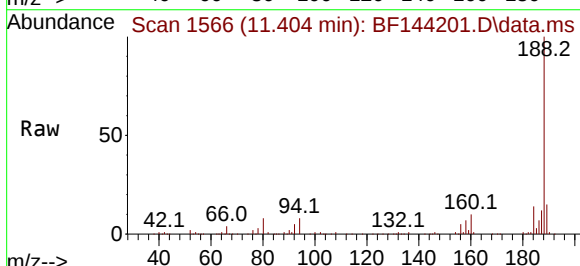
Tgt Ion:188 Resp: 221346

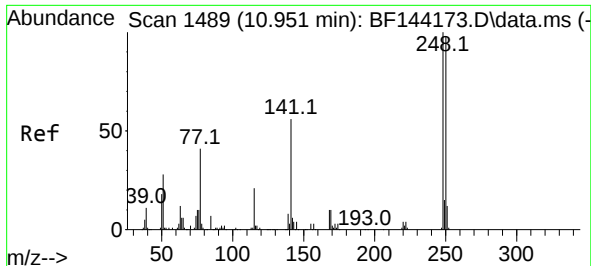
Ion Ratio Lower Upper

188 100

94 8.0 6.2 9.2

80 8.3 6.9 10.3

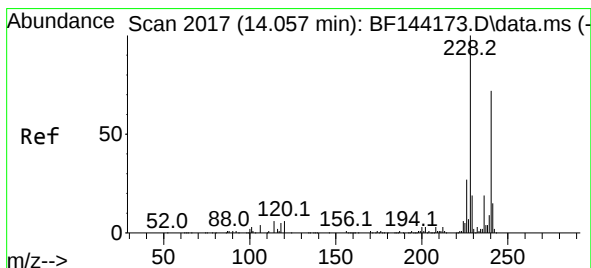
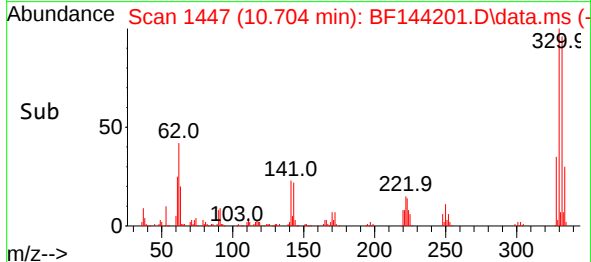
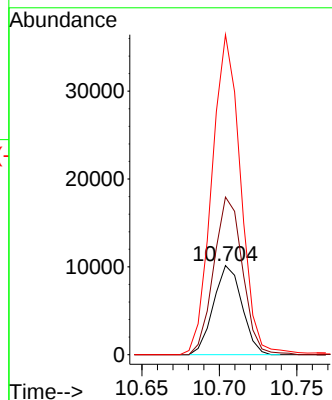
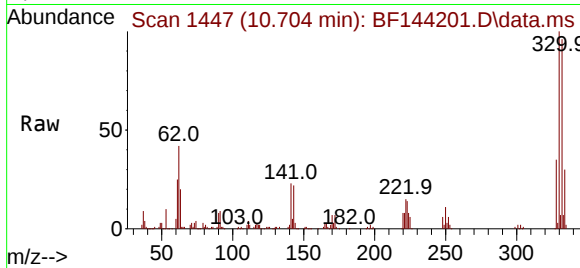




#67
4-Bromophenyl-phenylether
Concen: 4.598 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

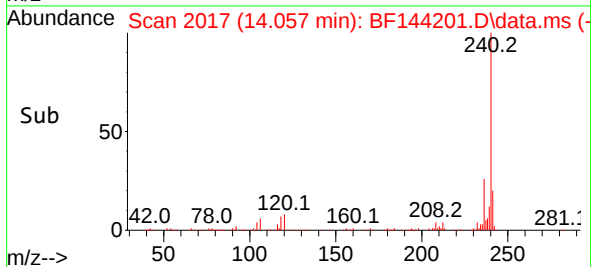
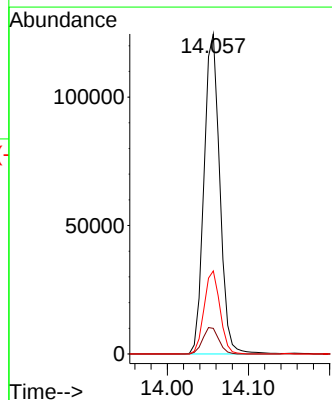
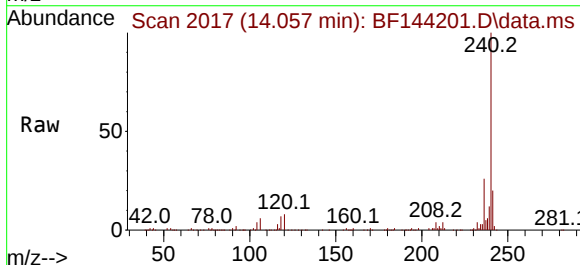
Instrument :
BNA_F
ClientSampleId :
SED-1

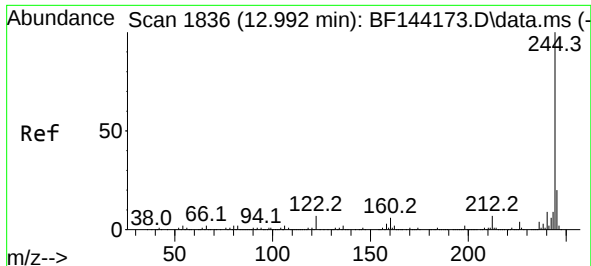
Tgt Ion:248 Resp: 12992
Ion Ratio Lower Upper
248 100
250 176.9 78.4 117.6#
141 359.1 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. 0.006 min
Lab File: BF144201.D
Acq: 11 Nov 2025 14:09

Tgt Ion:240 Resp: 167727
Ion Ratio Lower Upper
240 100
120 8.0 6.6 10.0
236 25.9 21.4 32.2





#79

Terphenyl-d14

Concen: 70.254 ng

RT: 12.998 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

Instrument :

BNA_F

ClientSampleId :

SED-1

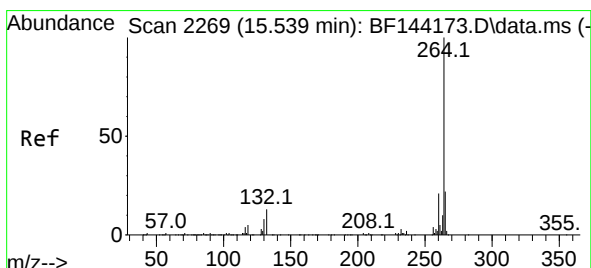
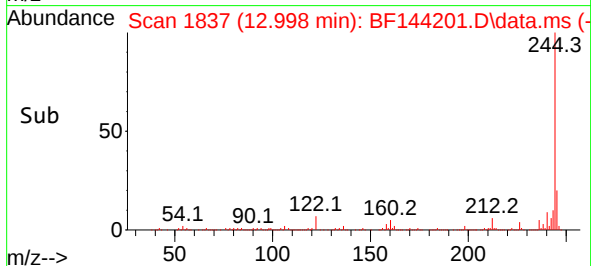
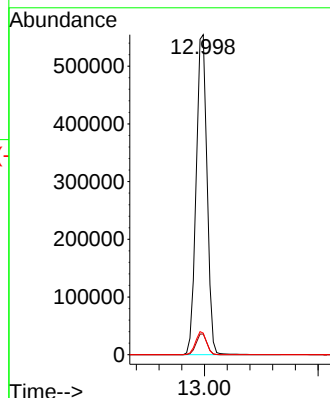
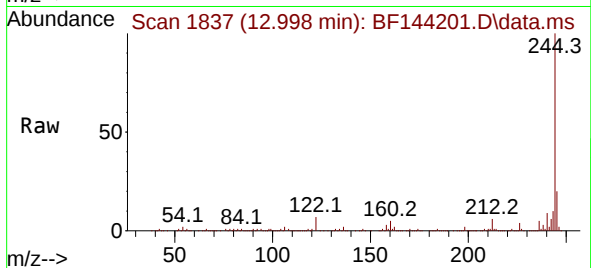
Tgt Ion:244 Resp: 741841

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 6.7 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF144201.D

Acq: 11 Nov 2025 14:09

Tgt Ion:264 Resp: 213949

Ion Ratio Lower Upper

264 100

260 21.8 17.1 25.7

265 21.4 17.4 26.0

