

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144123.D
 Acq On : 29 Oct 2025 12:30
 Operator : RC/JU
 Sample : PB170259BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170259BL

Quant Time: Oct 29 12:50:35 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)

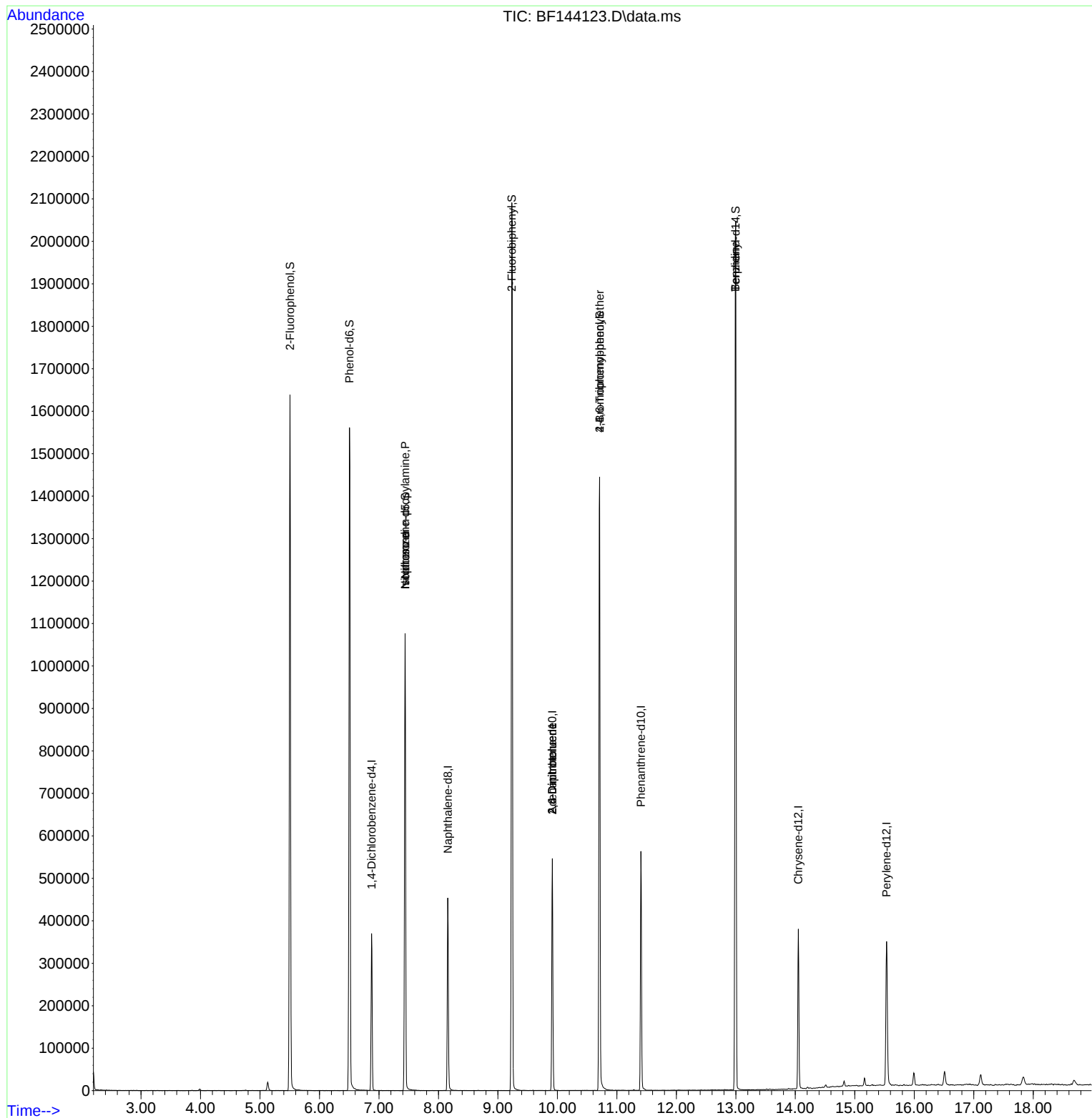
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	76181	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	294890	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	172720	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	319051	20.000	ng	0.00
76) Chrysene-d12	14.051	240	201994	20.000	ng	0.00
86) Perylene-d12	15.533	264	228196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	614332	127.583	ng	0.01
7) Phenol-d6	6.504	99	695458	130.778	ng	0.00
23) Nitrobenzene-d5	7.439	82	468312	87.007	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	315832	143.552	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1012950	82.529	ng	0.00
79) Terphenyl-d14	12.998	244	1149541	99.491	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	69114	20.098	ng	Qvalue # 72
25) Isophorone	7.439	82	468309	49.766	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	21768	9.726	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	21768	7.206	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	16994	4.254	ng	# 1
77) Benzidine	12.992	184	13319	2.119	ng	97

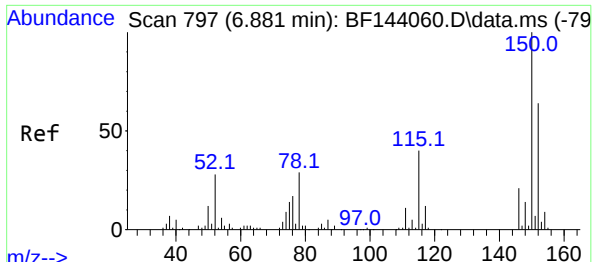
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

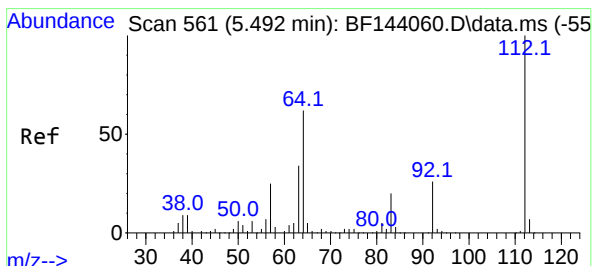
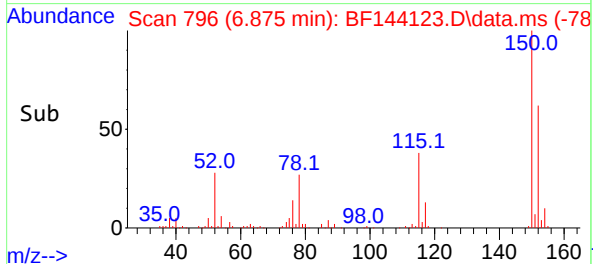
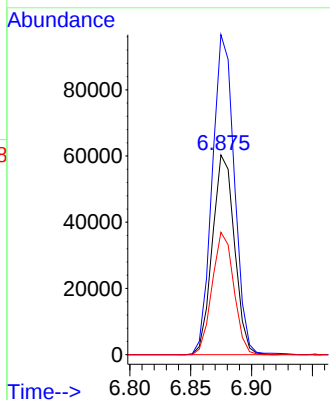
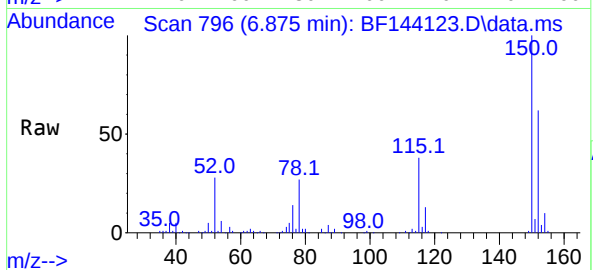




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

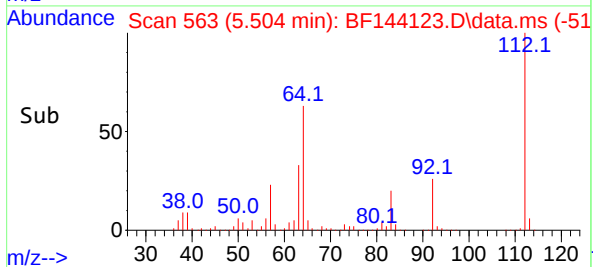
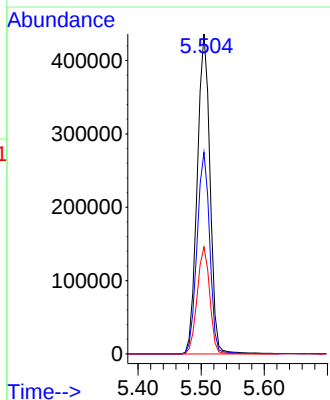
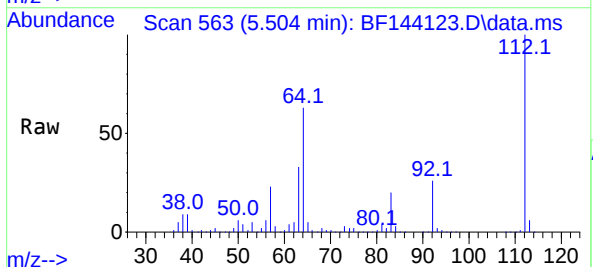
Instrument :
BNA_F
ClientSampleId :
PB170259BL

Tgt Ion:152 Resp: 76181
Ion Ratio Lower Upper
152 100
150 160.3 124.4 186.6
115 61.3 49.4 74.0



#5
2-Fluorophenol
Concen: 127.583 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Tgt Ion:112 Resp: 614332
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.5 27.4 41.2

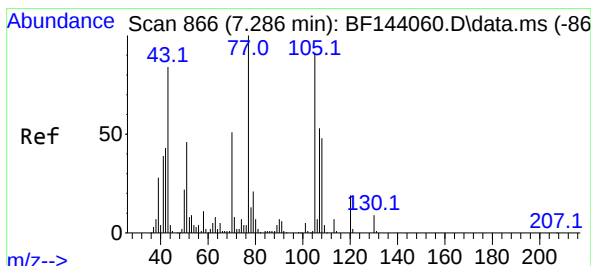
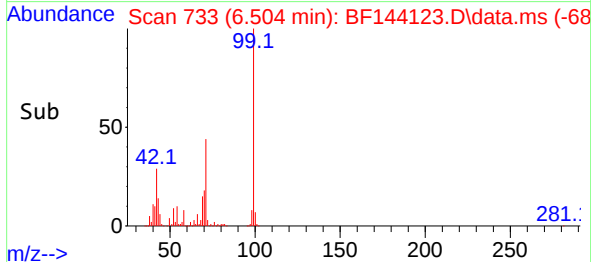
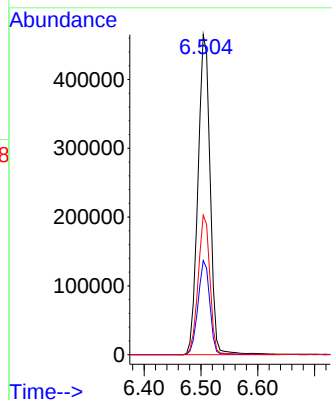
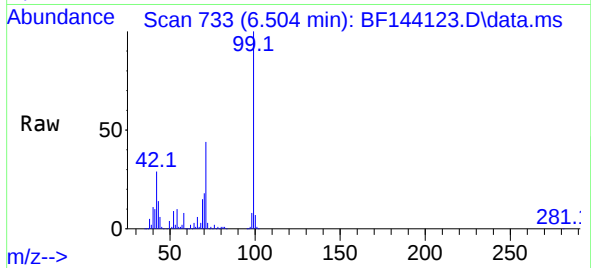




#7
Phenol-d6
Concen: 130.778 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

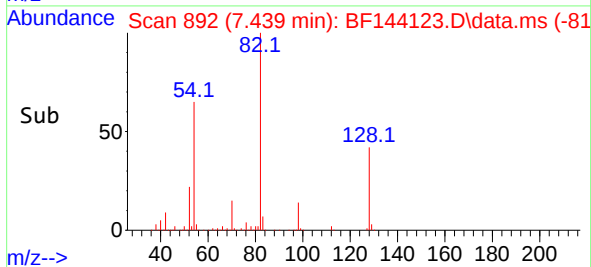
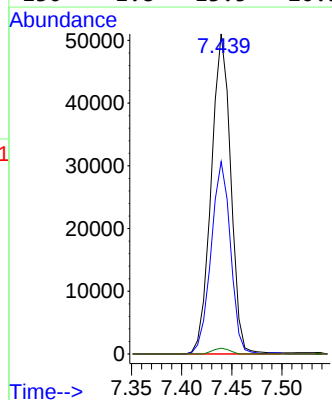
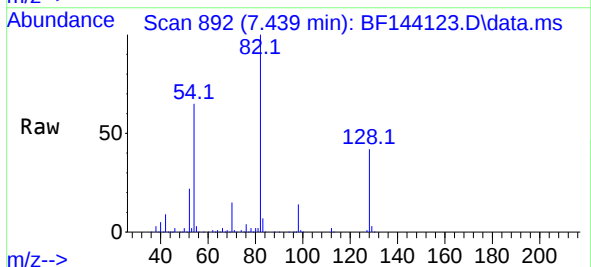
Instrument :
BNA_F
ClientSampleId :
PB170259BL

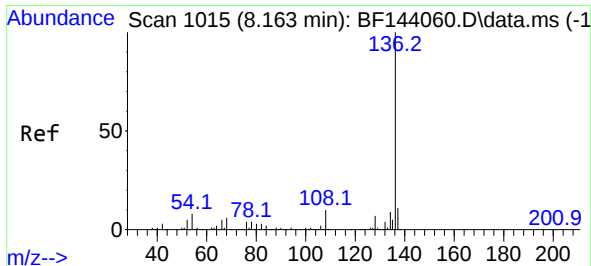
Tgt Ion: 99 Resp: 695458
Ion Ratio Lower Upper
99 100
42 29.4 23.9 35.9
71 43.6 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.098 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Tgt Ion: 70 Resp: 69114
Ion Ratio Lower Upper
70 100
42 60.1 67.4 101.0#
101 0.0 7.1 10.7#
130 1.8 13.5 20.3#



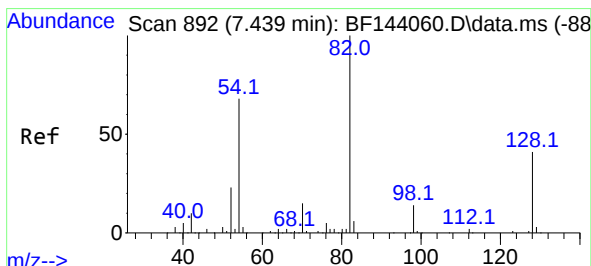
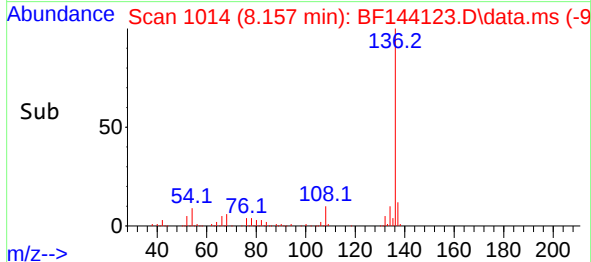
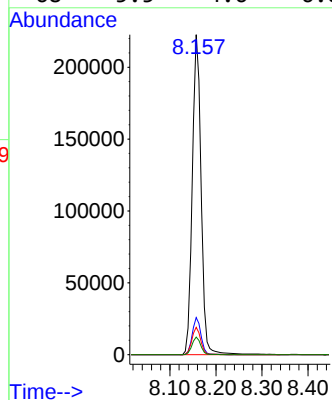
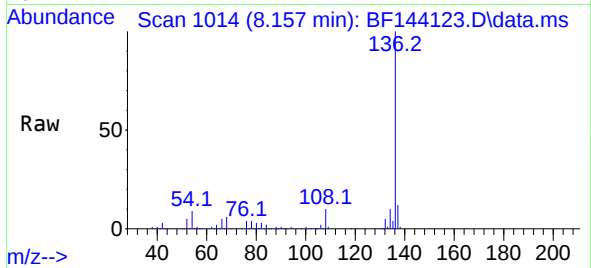


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Instrument :
BNA_F
ClientSampleId :
PB170259BL

Tgt Ion:136 Resp: 294890

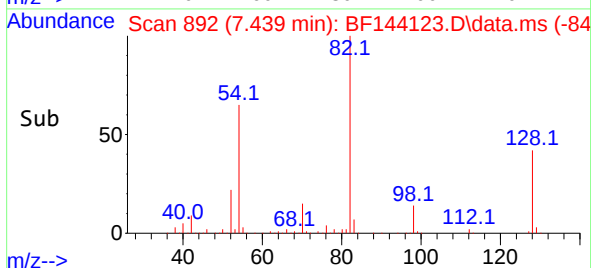
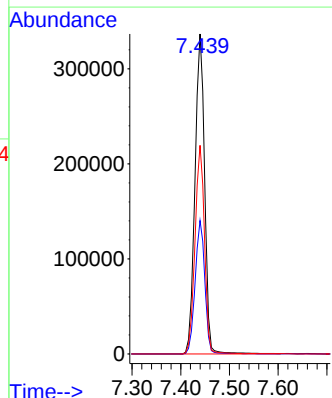
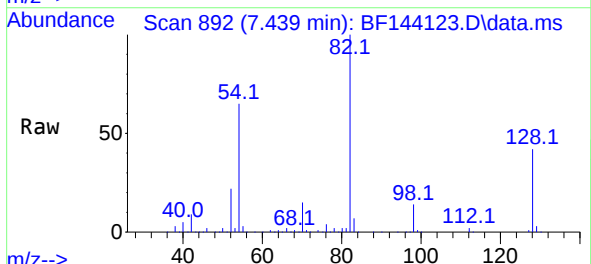
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	8.6	6.6	9.8
68	5.5	4.6	6.8

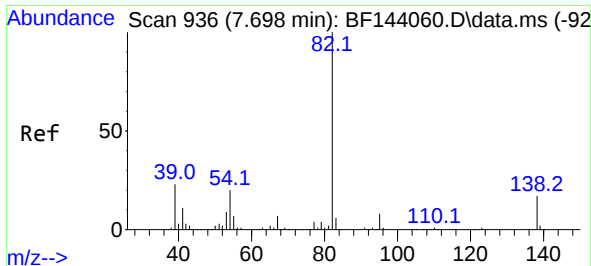


#23
Nitrobenzene-d5
Concen: 87.007 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Tgt Ion: 82 Resp: 468312

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.4	48.6
54	65.2	54.0	81.0

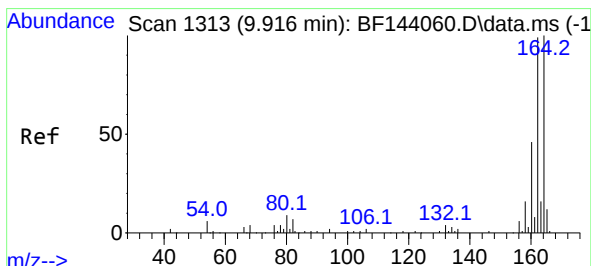
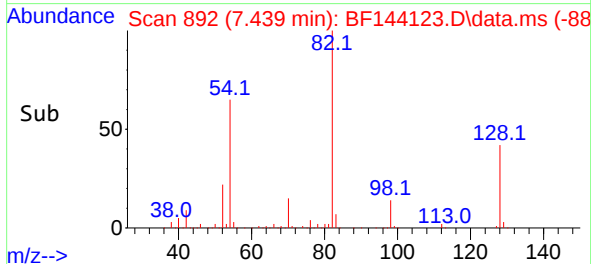
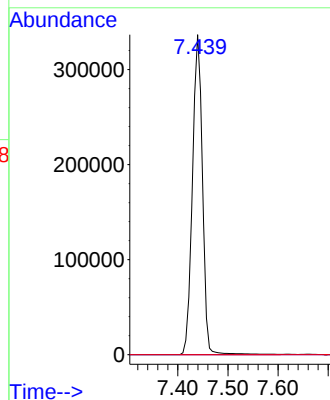
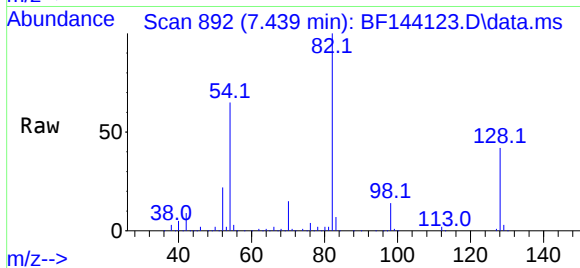




#25
Isophorone
Concen: 49.766 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

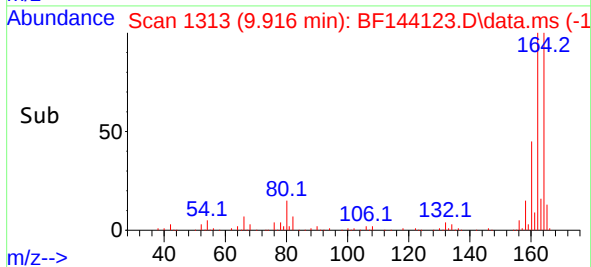
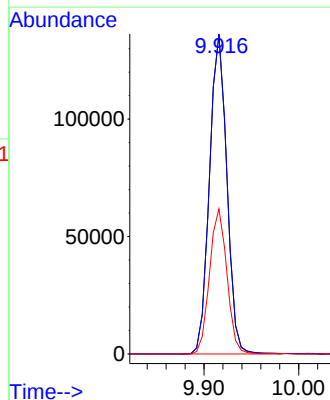
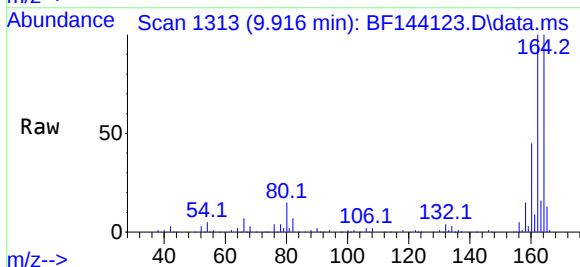
Instrument :
BNA_F
ClientSampleId :
PB170259BL

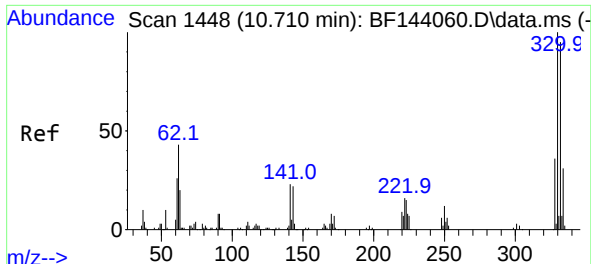
Tgt Ion: 82 Resp: 468309
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

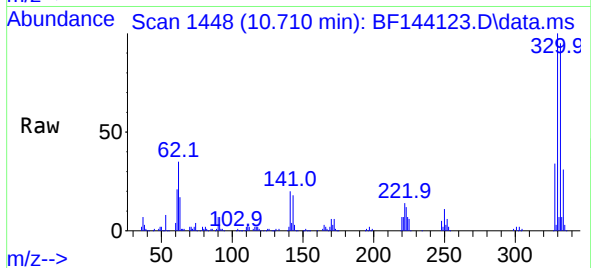
Tgt Ion:164 Resp: 172720
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 45.5 36.7 55.1



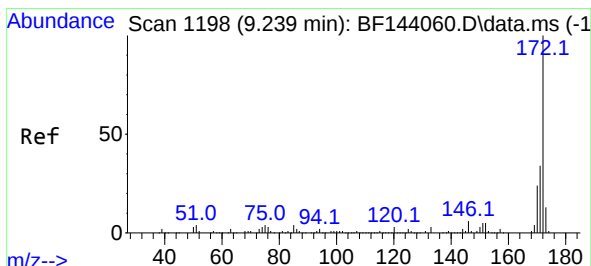
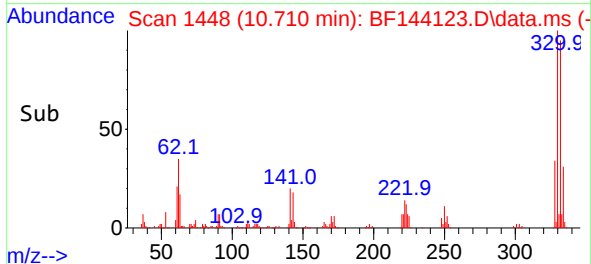
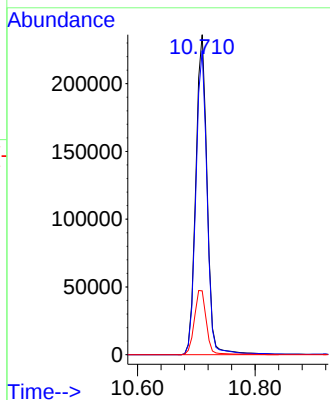


#42
2,4,6-Tribromophenol
Concen: 143.552 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Instrument :
BNA_F
ClientSampleId :
PB170259BL

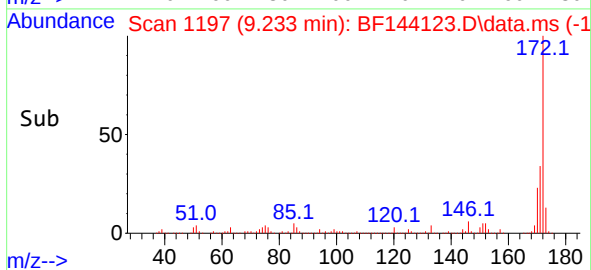
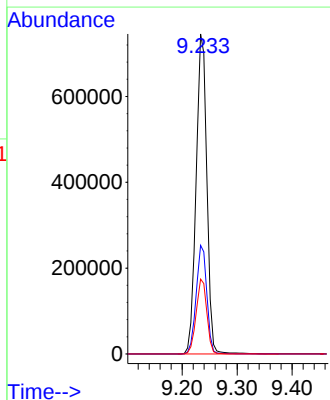
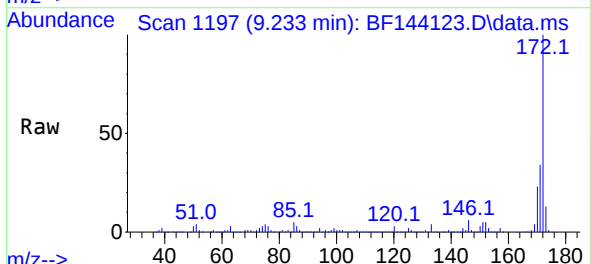


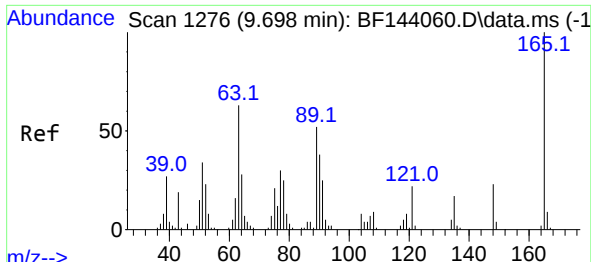
Tgt Ion:330 Resp: 315832
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.6
141 21.3 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 82.529 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Tgt Ion:172 Resp: 1012950
Ion Ratio Lower Upper
172 100
171 33.9 27.5 41.3
170 23.4 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.726 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144123.D

Acq: 29 Oct 2025 12:30

Instrument :

BNA_F

ClientSampleId :

PB170259BL

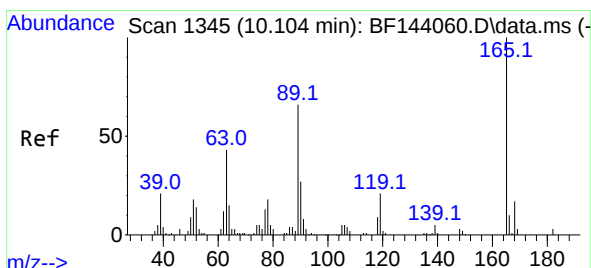
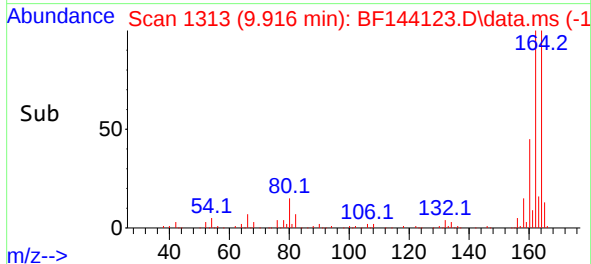
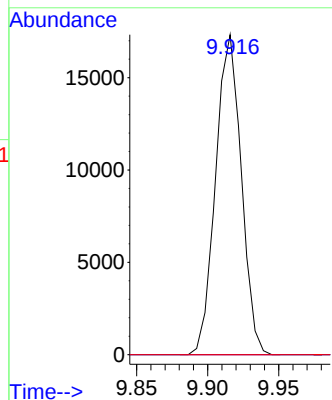
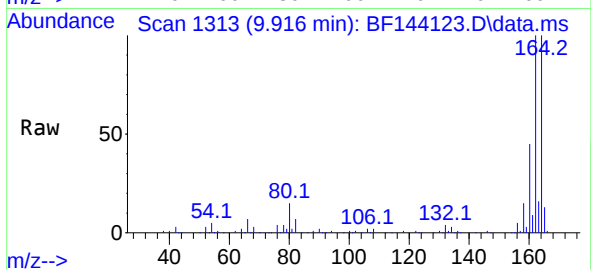
Tgt Ion:165 Resp: 21768

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: 7.206 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144123.D

Acq: 29 Oct 2025 12:30

Tgt Ion:165 Resp: 21768

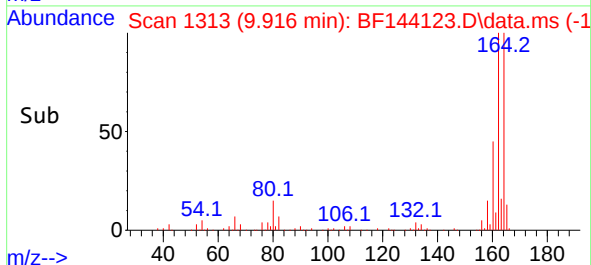
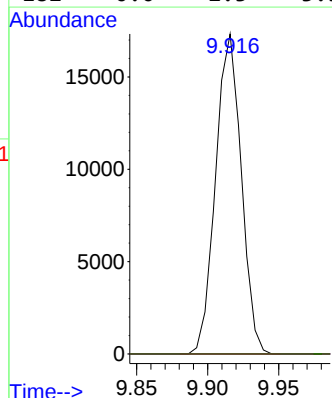
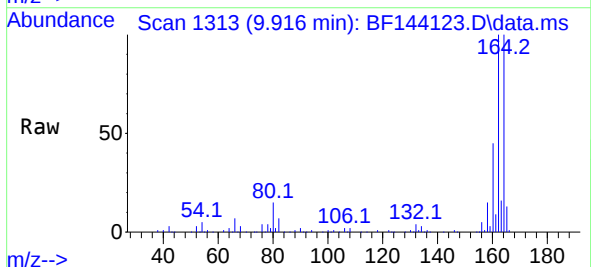
Ion Ratio Lower Upper

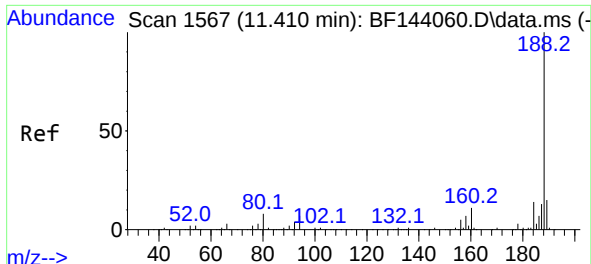
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

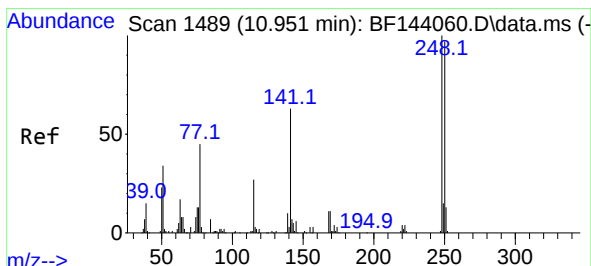
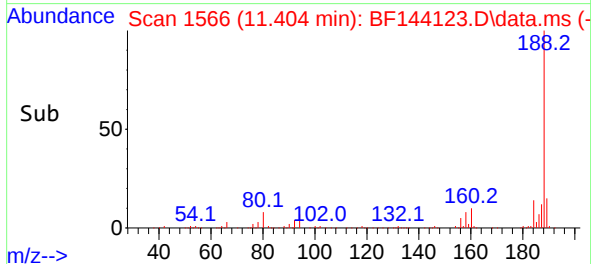
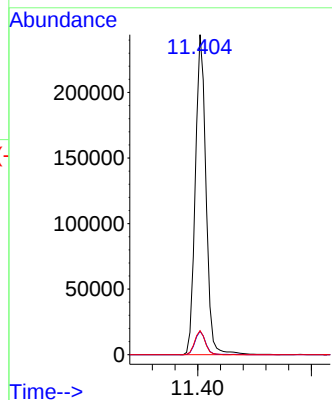
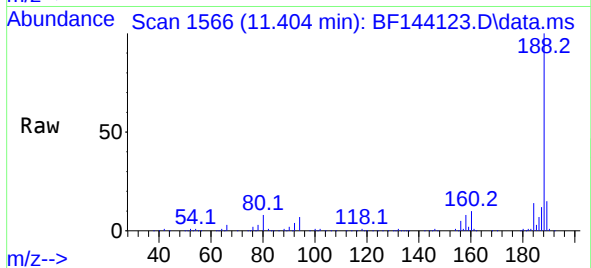




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

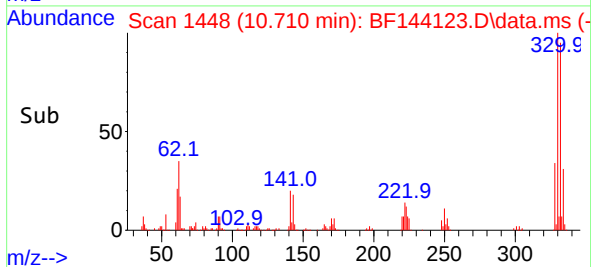
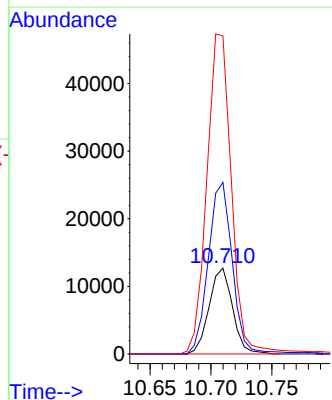
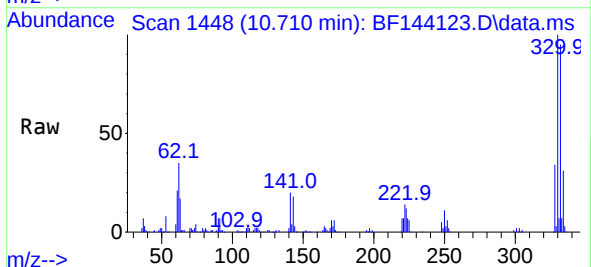
Instrument :
BNA_F
ClientSampleId :
PB170259BL

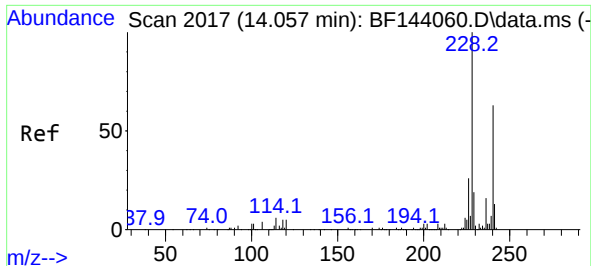
Tgt Ion:188 Resp: 319051
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.0
80 7.5 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.254 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

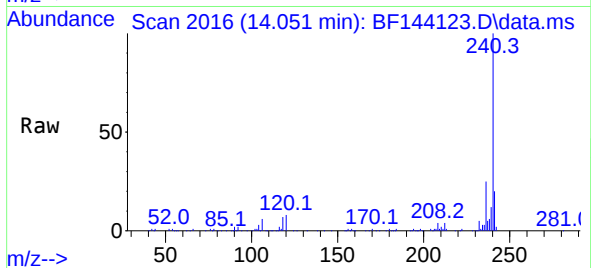
Tgt Ion:248 Resp: 16994
Ion Ratio Lower Upper
248 100
250 200.0 77.8 116.6#
141 370.8 50.5 75.7#



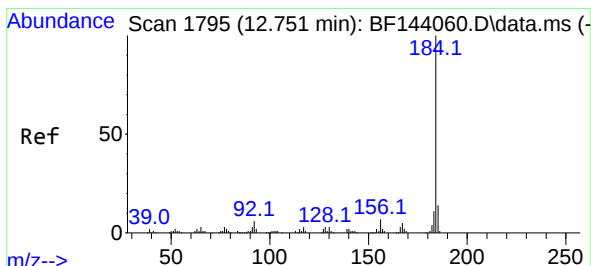
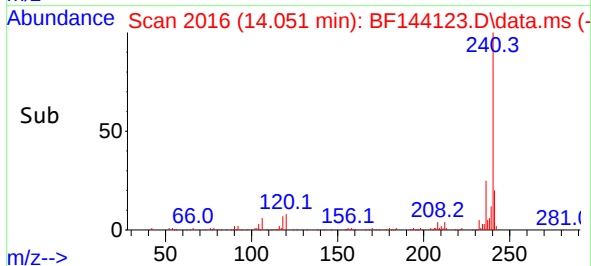
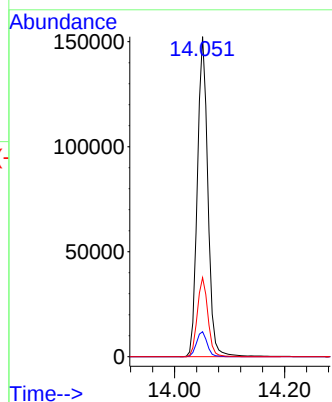


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Instrument :
BNA_F
ClientSampleId :
PB170259BL

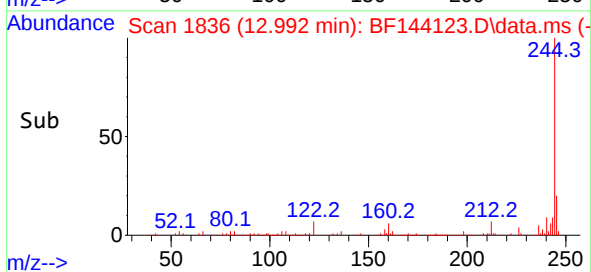
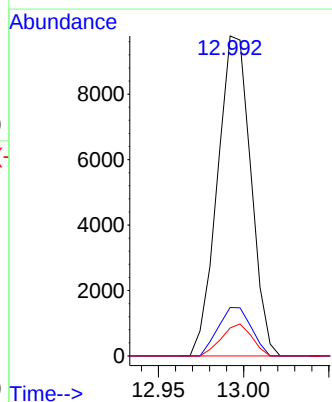
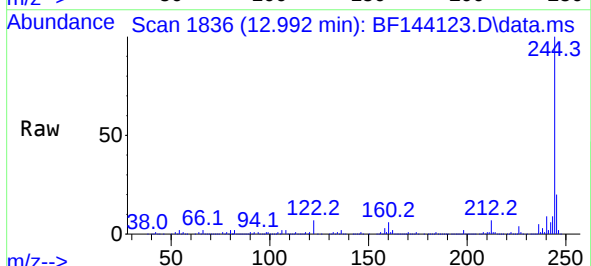


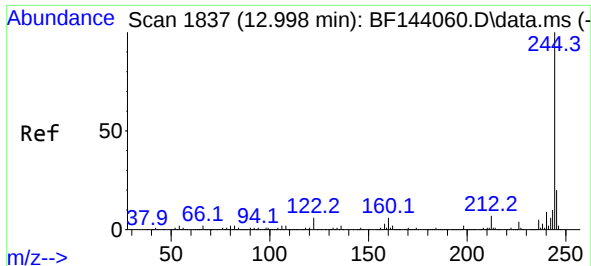
Tgt Ion:240 Resp: 201994
Ion Ratio Lower Upper
240 100
120 7.8 6.5 9.7
236 24.7 20.1 30.1



#77
Benzidine
Concen: 2.119 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.241 min
Lab File: BF144123.D
Acq: 29 Oct 2025 12:30

Tgt Ion:184 Resp: 13319
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 8.8 8.5 12.7

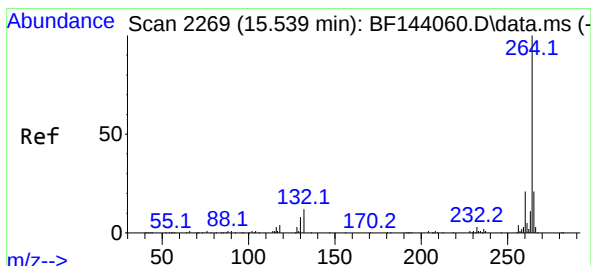
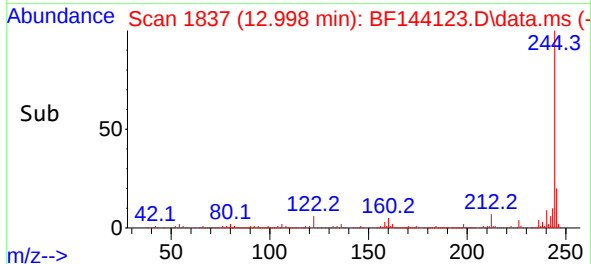
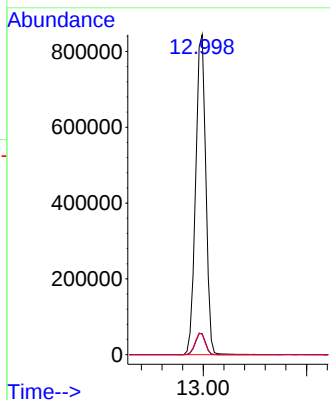
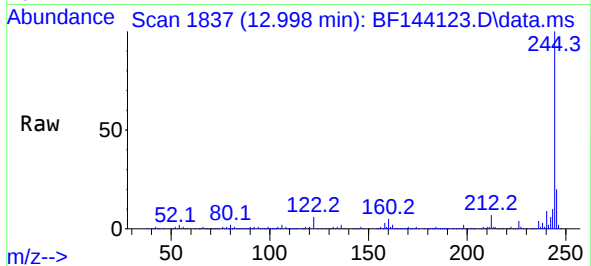




#79
 Terphenyl-d14
 Concen: 99.491 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF144123.D
 Acq: 29 Oct 2025 12:30

Instrument :
 BNA_F
 ClientSampleId :
 PB170259BL

Tgt Ion:244 Resp: 1149541
 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: BF144123.D
 Acq: 29 Oct 2025 12:30

Tgt Ion:264 Resp: 228196
 Ion Ratio Lower Upper
 264 100
 260 21.4 17.0 25.4
 265 21.5 16.6 24.8

