

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144156.D
 Acq On : 30 Oct 2025 23:07
 Operator : RC/JU
 Sample : Q3486-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Quant Time: Oct 31 01:03:37 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)

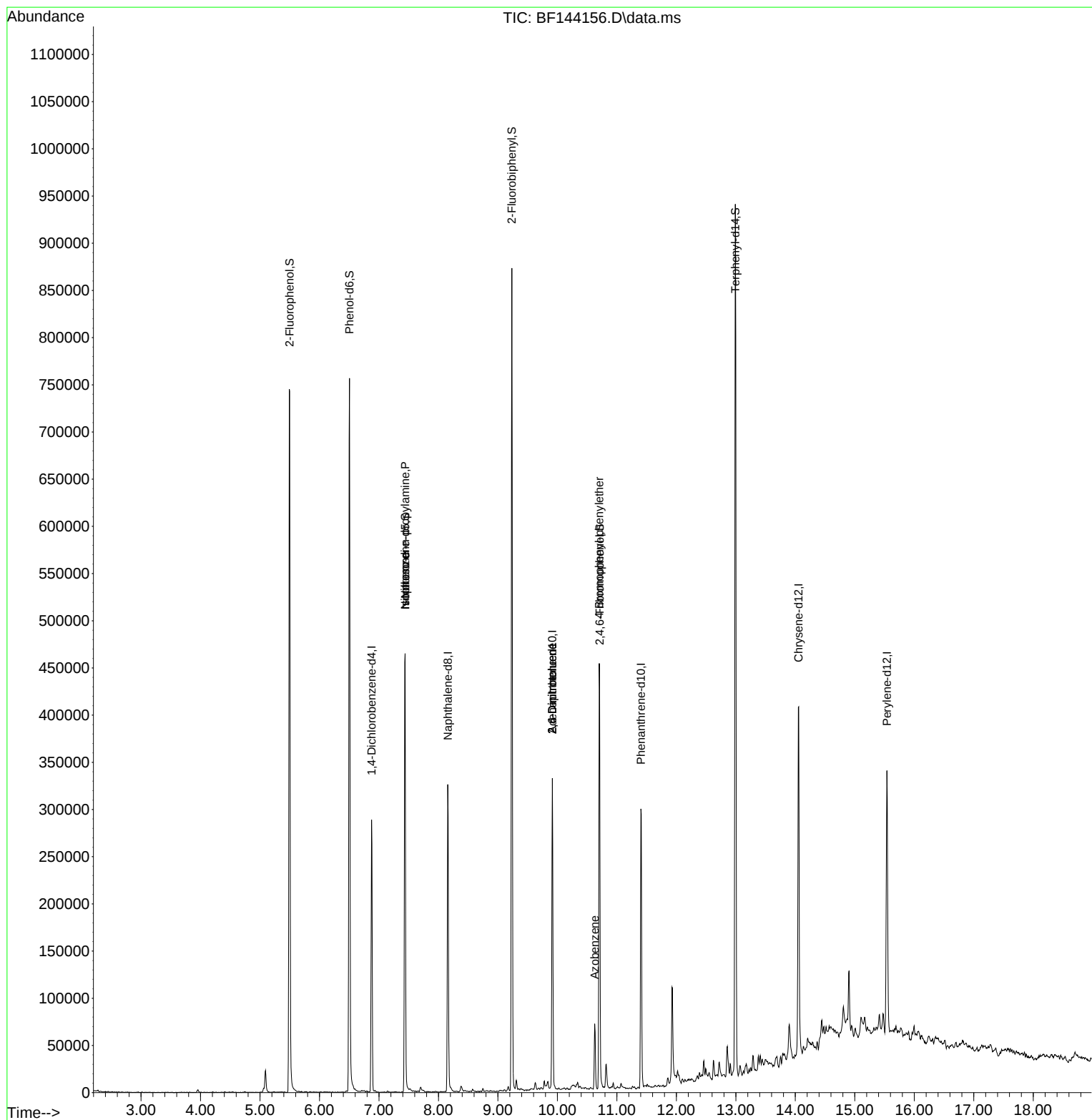
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61493	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	215034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	100389	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	169219	20.000	ng	0.00
76) Chrysene-d12	14.057	240	189702	20.000	ng	0.00
86) Perylene-d12	15.539	264	179825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	302148	77.737	ng	0.00
7) Phenol-d6	6.504	99	330562	77.009	ng	0.00
23) Nitrobenzene-d5	7.440	82	202044	51.477	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	94881	74.198	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	402911	56.479	ng	0.00
79) Terphenyl-d14	12.992	244	476312	43.895	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	29710	10.703	ng	# 72
25) Isophorone	7.440	82	202041	29.444	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	13282	10.210	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	13282	7.565	ng	# 26
63) Azobenzene	10.628	77	17810	3.041	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5273	2.489	ng	# 1

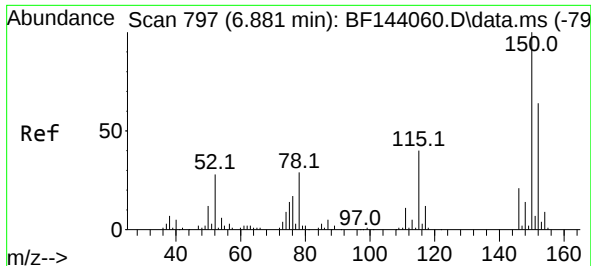
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

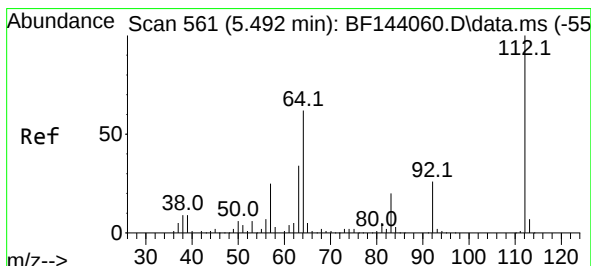
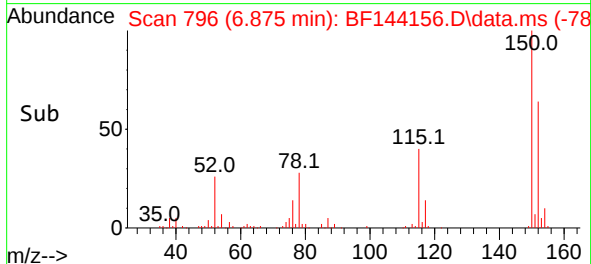
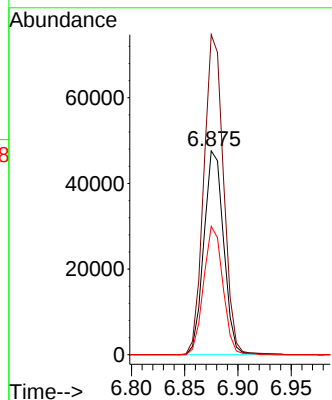
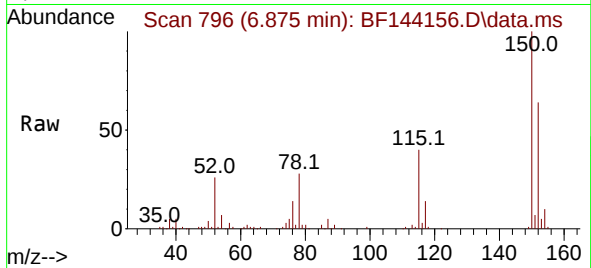




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF144156.D
 Acq: 30 Oct 2025 23:07

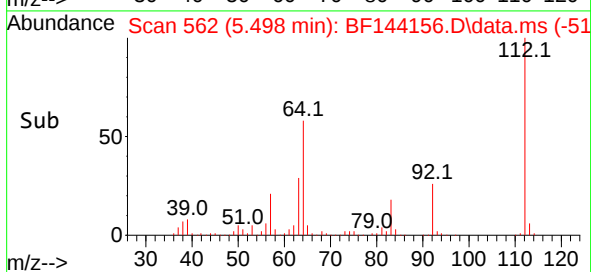
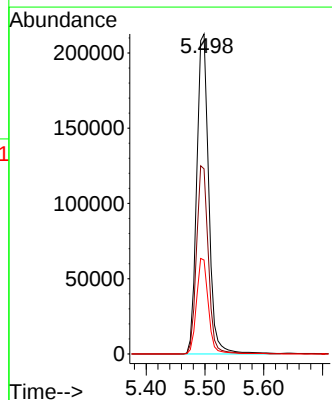
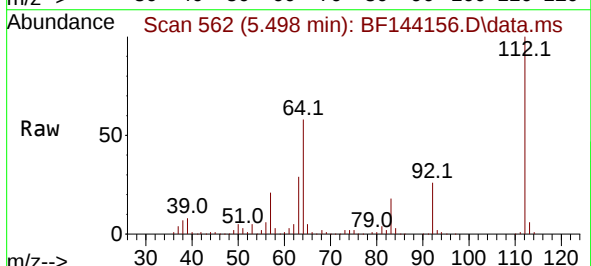
Instrument :
 BNA_F
 ClientSampleId :
 TP3

Tgt Ion:152 Resp: 61493
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.4 186.6
 115 63.0 49.4 74.0



#5
 2-Fluorophenol
 Concen: 77.737 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF144156.D
 Acq: 30 Oct 2025 23:07

Tgt Ion:112 Resp: 302148
 Ion Ratio Lower Upper
 112 100
 64 57.9 49.8 74.8
 63 29.3 27.4 41.2





#7
Phenol-d6
Concen: 77.009 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

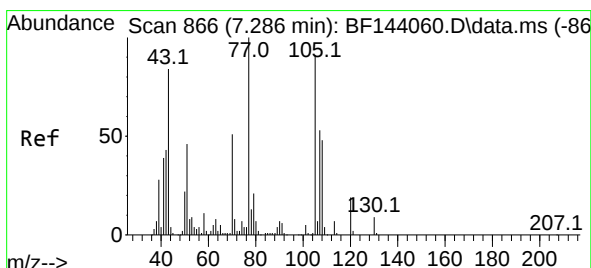
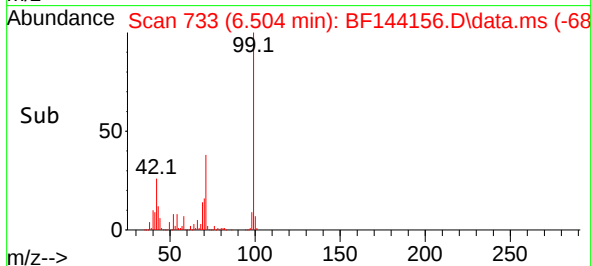
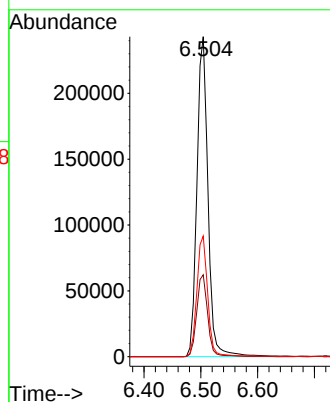
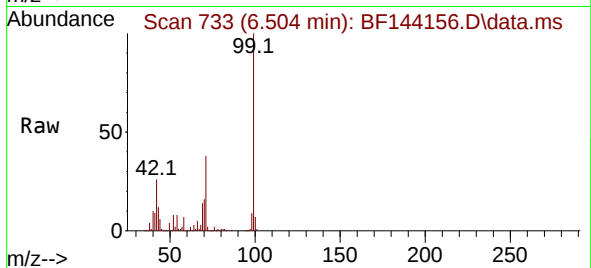
Instrument :

BNA_F

ClientSampleId :

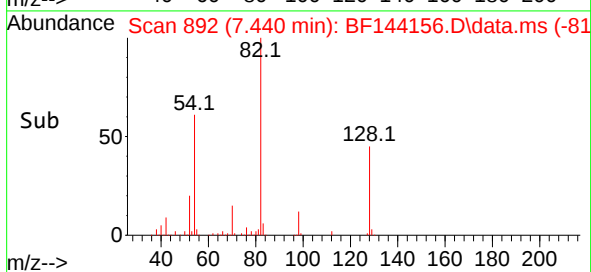
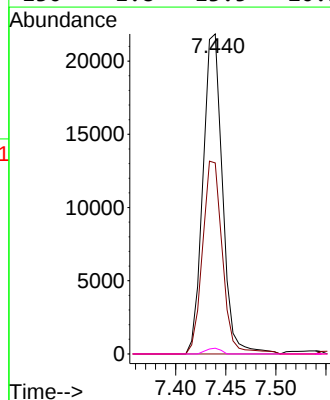
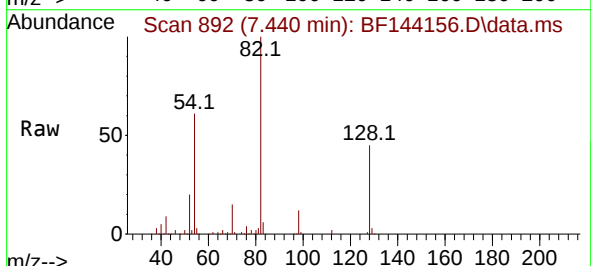
TP3

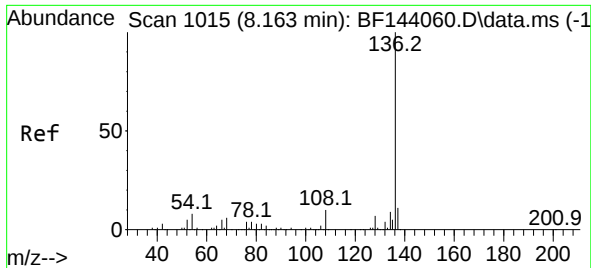
Tgt Ion: 99 Resp: 330562
Ion Ratio Lower Upper
99 100
42 25.6 23.9 35.9
71 37.7 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.703 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

Tgt Ion: 70 Resp: 29710
Ion Ratio Lower Upper
70 100
42 59.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.8 13.5 20.3#



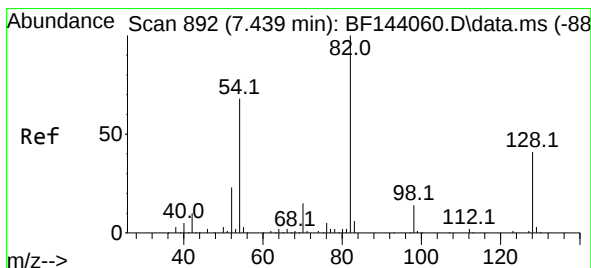
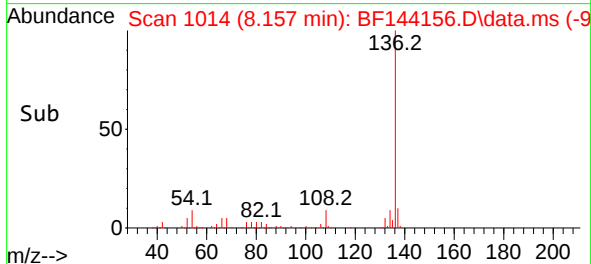
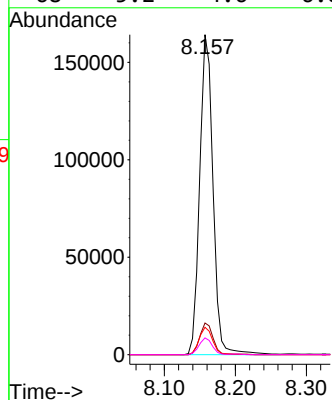
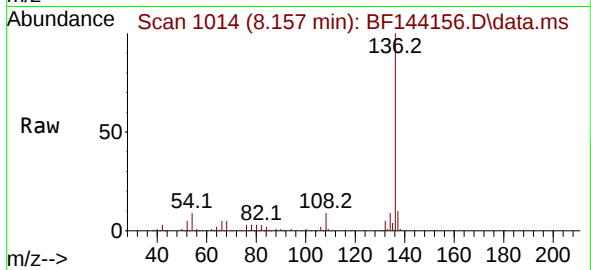


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

Instrument :
BNA_F
ClientSampleId :
TP3

Tgt Ion:136 Resp: 215034

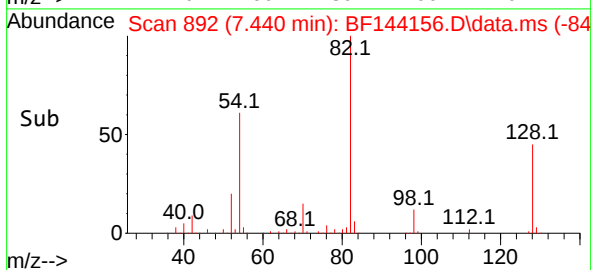
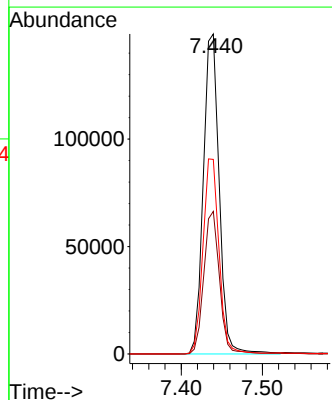
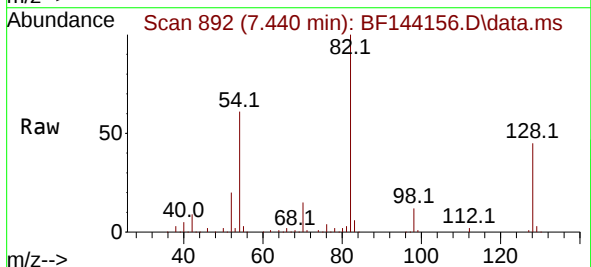
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.6	13.0
54	8.6	6.6	9.8
68	5.2	4.6	6.8

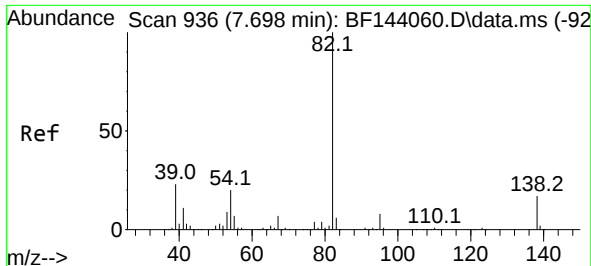


#23
Nitrobenzene-d5
Concen: 51.477 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

Tgt Ion: 82 Resp: 202044

Ion	Ratio	Lower	Upper
82	100		
128	44.6	32.4	48.6
54	60.8	54.0	81.0

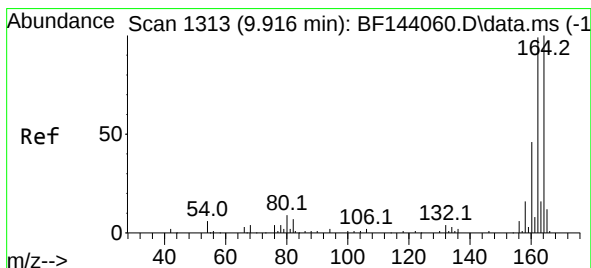
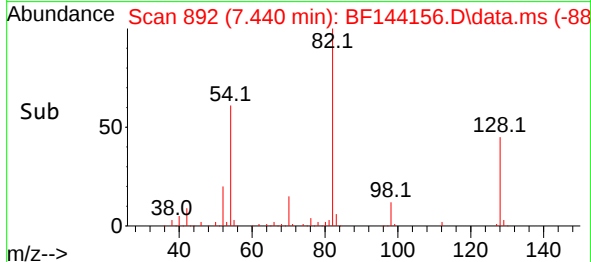
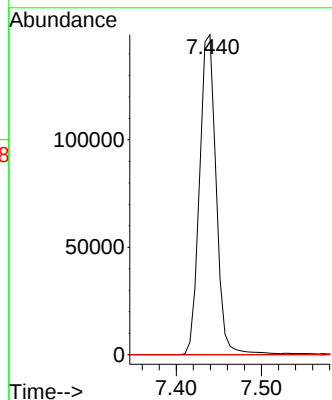
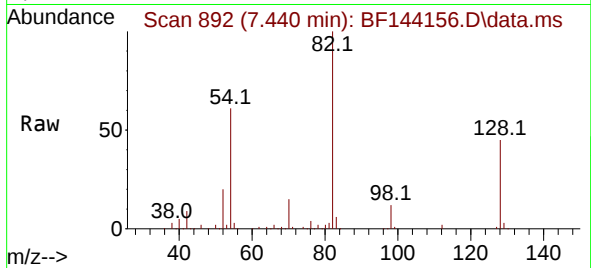




#25
Isophorone
Concen: 29.444 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

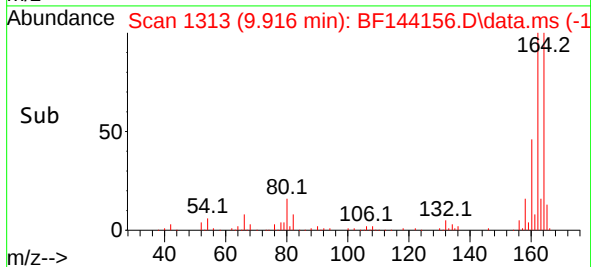
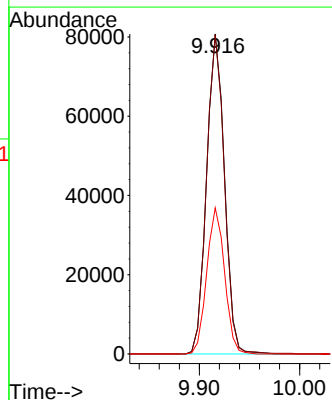
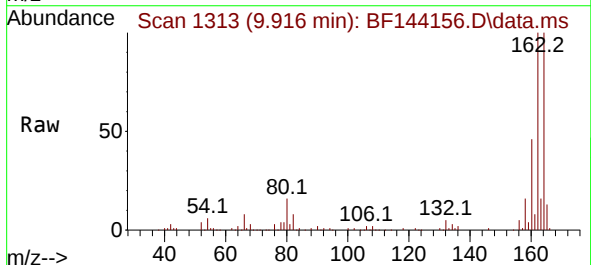
Instrument :
BNA_F
ClientSampleId :
TP3

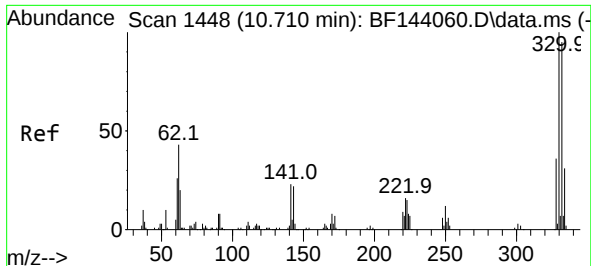
Tgt Ion: 82 Resp: 202041
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

Tgt Ion:164 Resp: 100389
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.2
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 74.198 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144156.D

Acq: 30 Oct 2025 23:07

Instrument :

BNA_F

ClientSampleId :

TP3

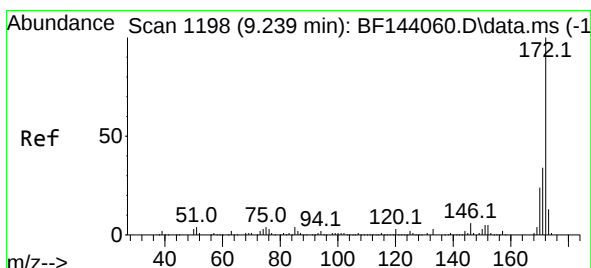
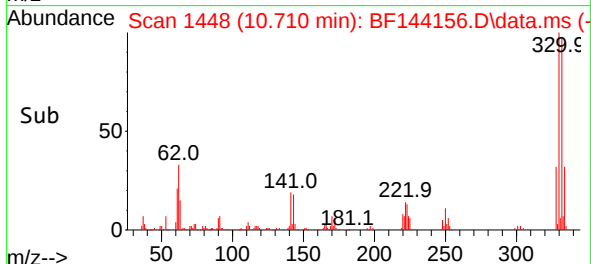
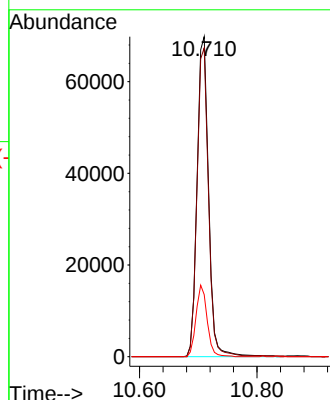
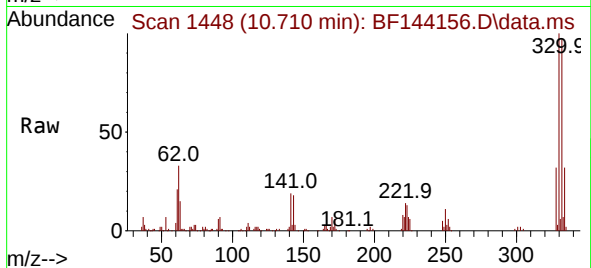
Tgt Ion:330 Resp: 94881

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 21.6 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 56.479 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144156.D

Acq: 30 Oct 2025 23:07

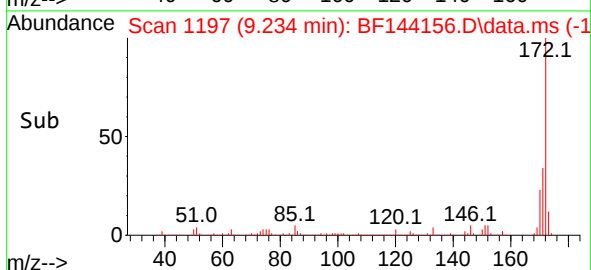
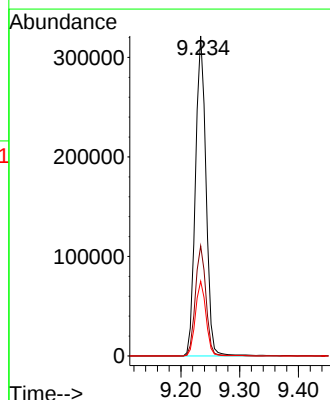
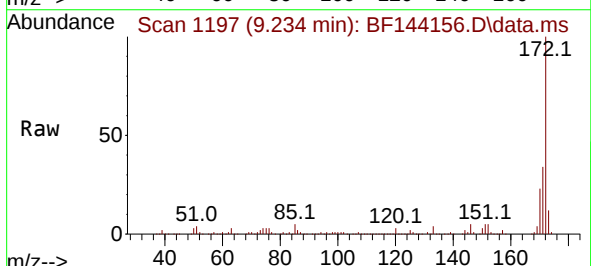
Tgt Ion:172 Resp: 402911

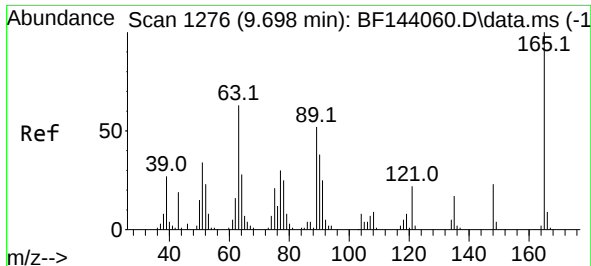
Ion Ratio Lower Upper

172 100

171 34.4 27.5 41.3

170 23.4 19.0 28.6

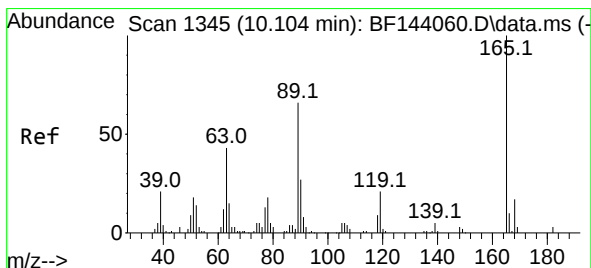
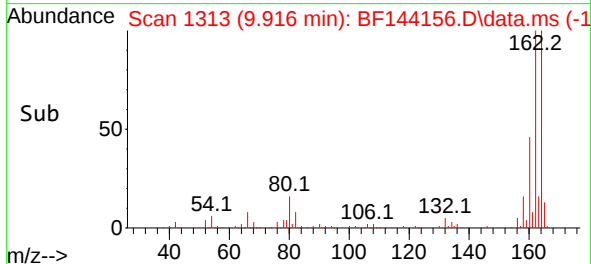
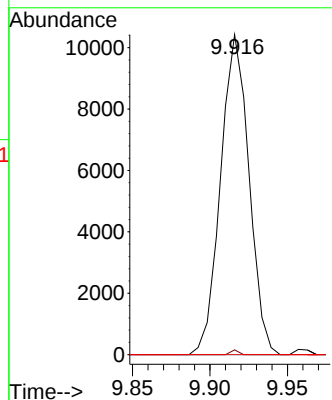
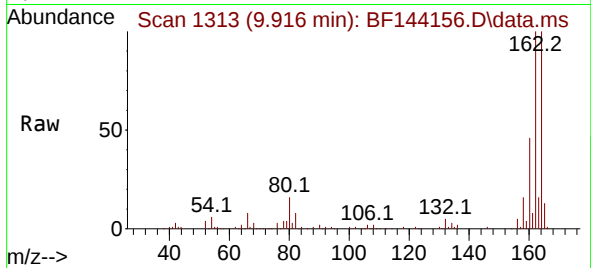




#51
2,6-Dinitrotoluene
Concen: 10.210 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

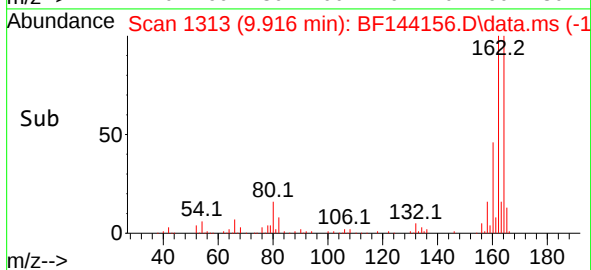
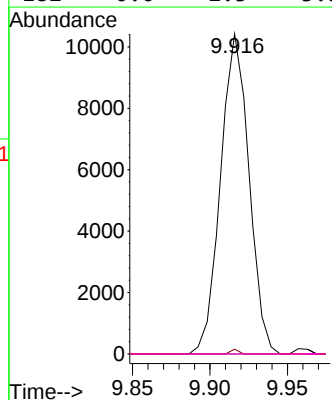
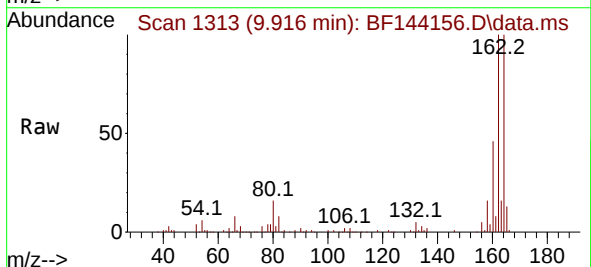
Instrument :
BNA_F
ClientSampleId :
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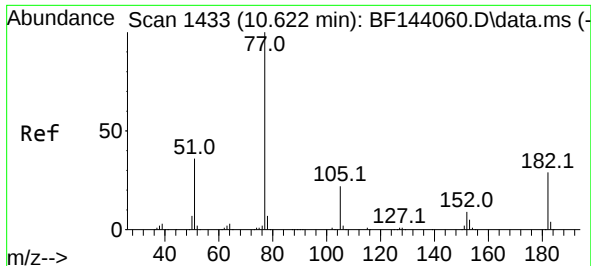
Tgt Ion:165 Resp: 13282
Ion Ratio Lower Upper
165 100
63 1.5 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.565 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

Tgt Ion:165 Resp: 13282
Ion Ratio Lower Upper
165 100
63 1.5 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#

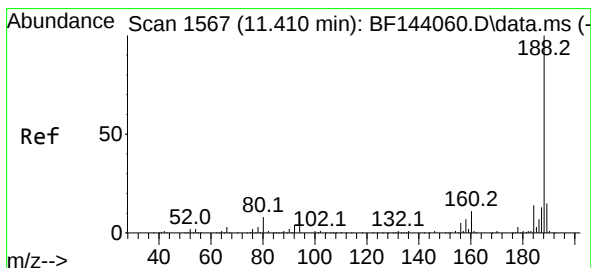
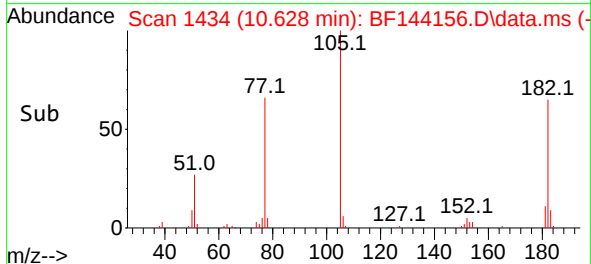
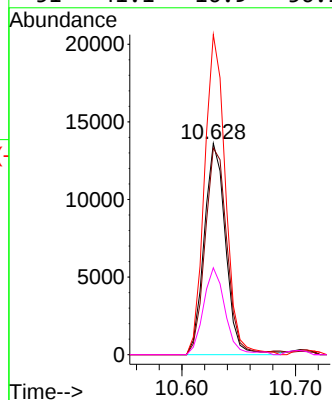
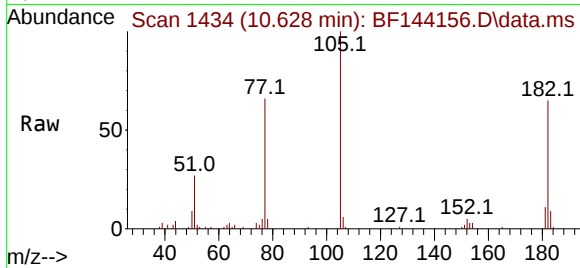




#63
 Azobenzene
 Concen: 3.041 ng
 RT: 10.628 min Scan# 1433
 Delta R.T. 0.006 min
 Lab File: BF144156.D
 Acq: 30 Oct 2025 23:07

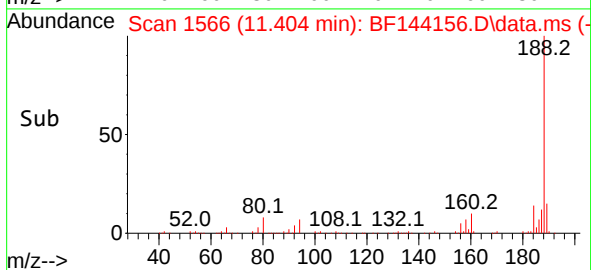
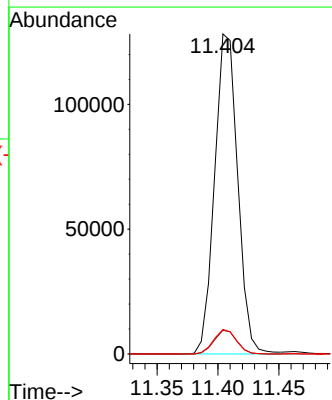
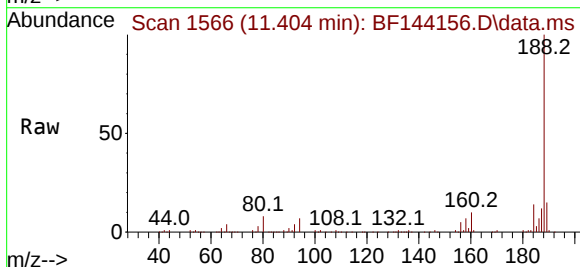
Instrument :
 BNA_F
 ClientSampleId :
 TP3

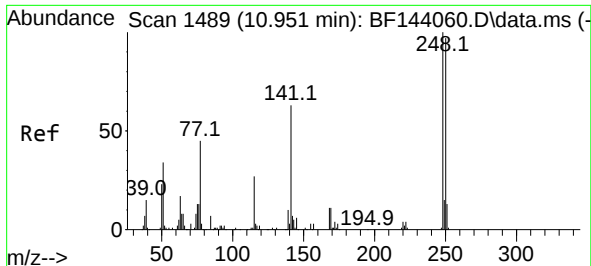
Tgt Ion: 77	Resp: 17810
Ion Ratio	Lower Upper
77 100	
182 97.8	9.0 49.0#
105 151.4	1.4 41.4#
51 41.1	16.9 56.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: BF144156.D
 Acq: 30 Oct 2025 23:07

Tgt Ion: 188	Resp: 169219
Ion Ratio	Lower Upper
188 100	
94 7.4	5.4 8.0
80 7.7	6.0 9.0

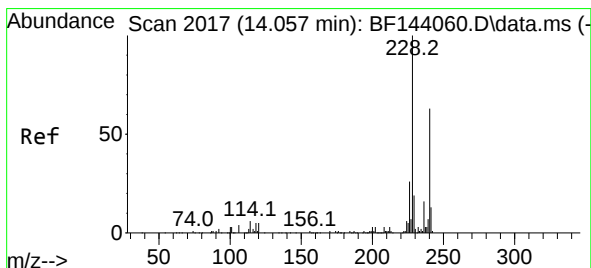
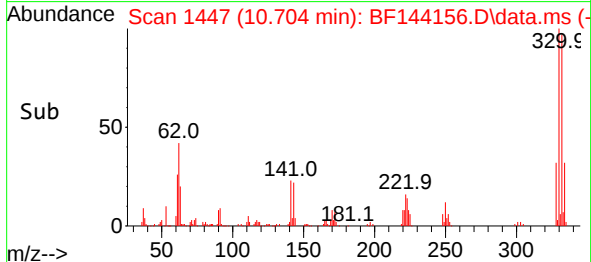
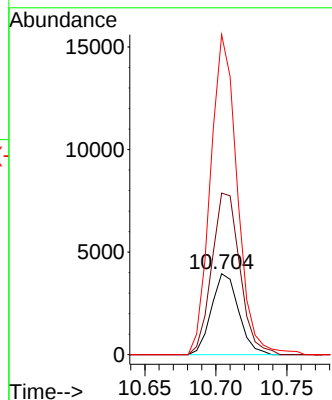
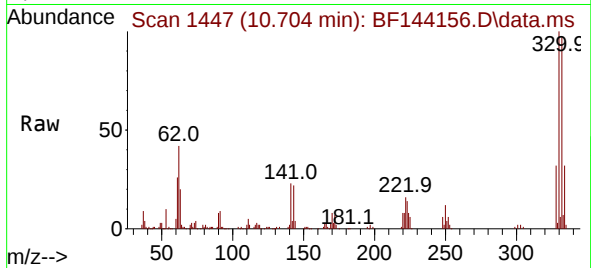




#67
4-Bromophenyl-phenylether
Concen: 2.489 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

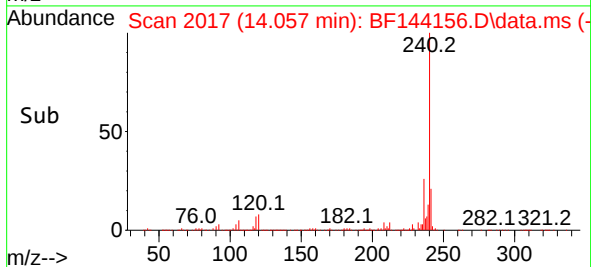
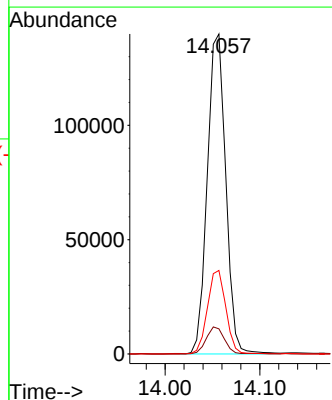
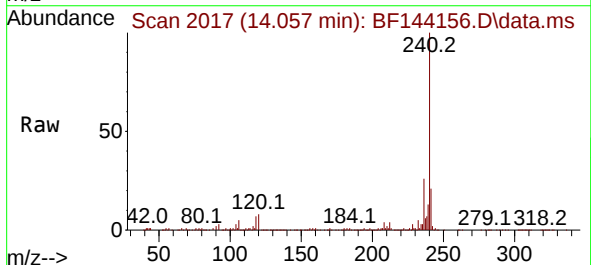
Instrument :
BNA_F
ClientSampleId :
TP3

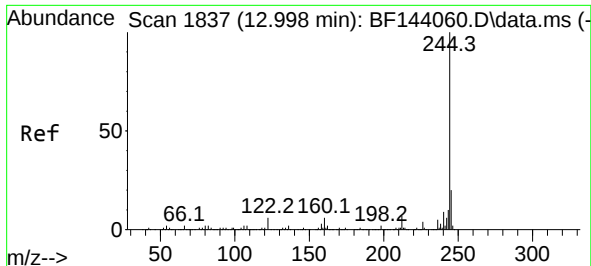
Tgt Ion:248 Resp: 5273
Ion Ratio Lower Upper
248 100
250 199.7 77.8 116.6#
141 395.5 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144156.D
Acq: 30 Oct 2025 23:07

Tgt Ion:240 Resp: 189702
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.1 20.1 30.1

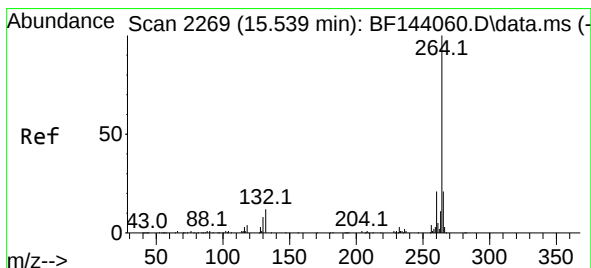
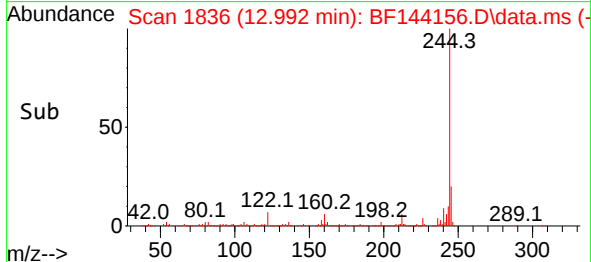
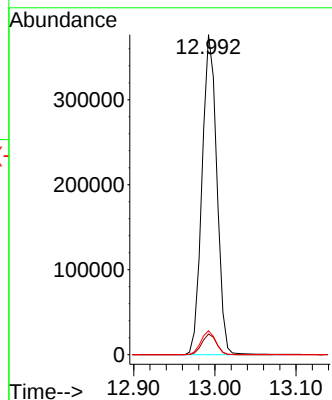
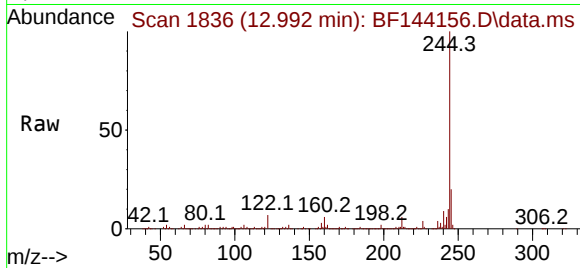




#79
 Terphenyl-d14
 Concen: 43.895 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF144156.D
 Acq: 30 Oct 2025 23:07

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Tgt Ion:244 Resp: 476312
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 7.4 4.9 7.3#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.000 min
 Lab File: BF144156.D
 Acq: 30 Oct 2025 23:07

Tgt Ion:264 Resp: 179825
 Ion Ratio Lower Upper
 264 100
 260 21.4 17.0 25.4
 265 21.3 16.6 24.8

