

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142996.D
 Acq On : 03 Jul 2025 14:56
 Operator : RC/JU
 Sample : Q2484-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-104

Quant Time: Jul 03 15:47:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

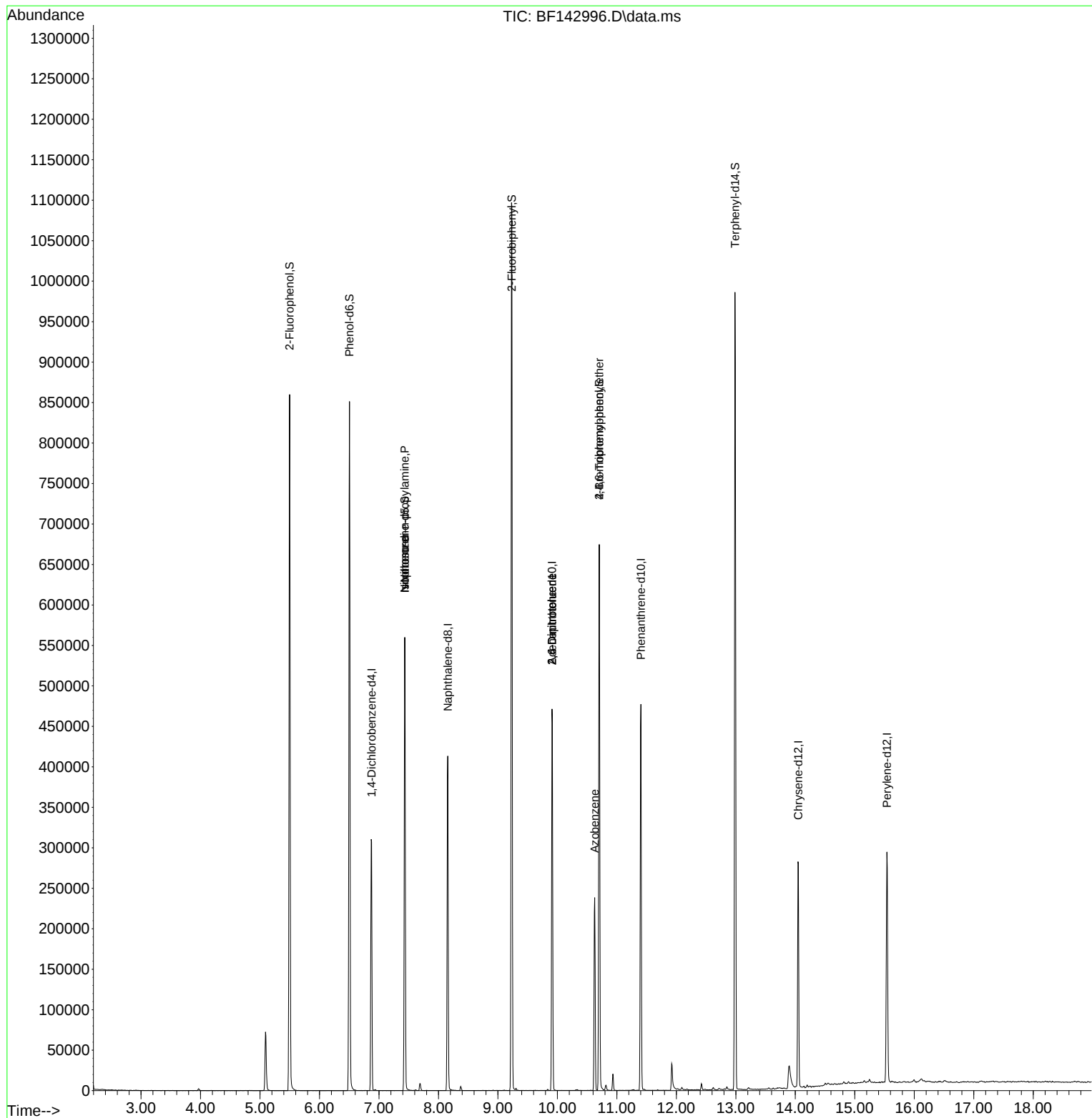
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71564	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	274705	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	149203	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	257344	20.000	ng	0.00
76) Chrysene-d12	14.051	240	143815	20.000	ng	0.00
86) Perylene-d12	15.539	264	171301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	330035	76.782	ng	0.00
7) Phenol-d6	6.504	99	393410	77.577	ng	0.00
23) Nitrobenzene-d5	7.434	82	238311	47.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	117304	76.400	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	522416	45.997	ng	-0.01
79) Terphenyl-d14	12.986	244	484616	46.559	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	31537	10.693	ng	# 76
25) Isophorone	7.434	82	238221	29.652	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	18652	8.794	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	18652	6.621	ng	# 28
63) Azobenzene	10.628	77	56149	6.634	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	7476	2.553	ng	# 1

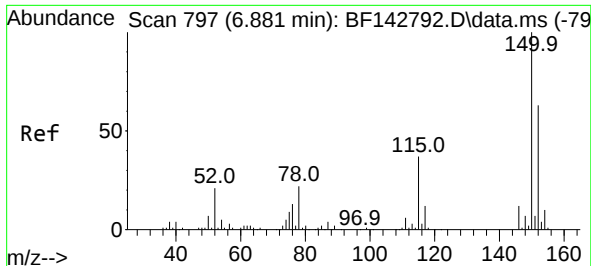
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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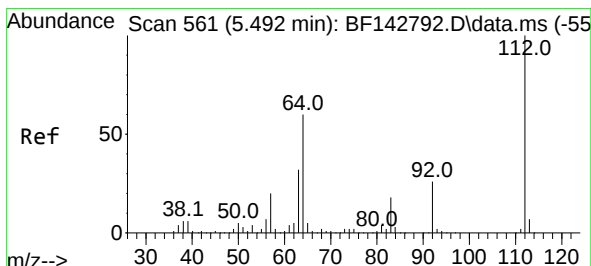
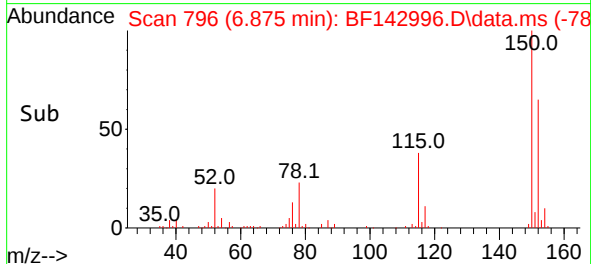
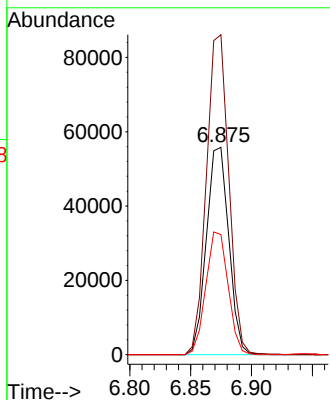
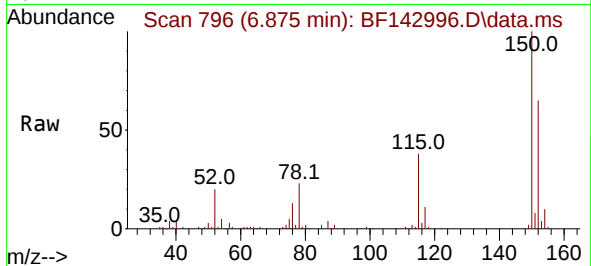




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

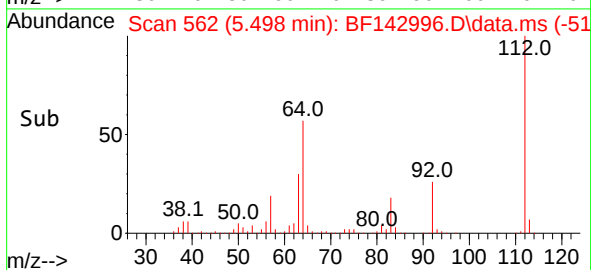
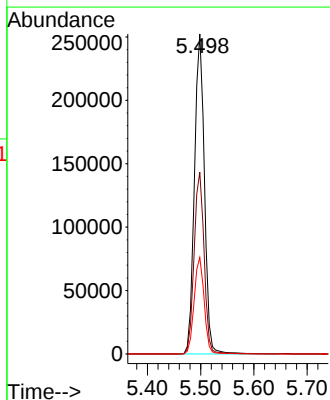
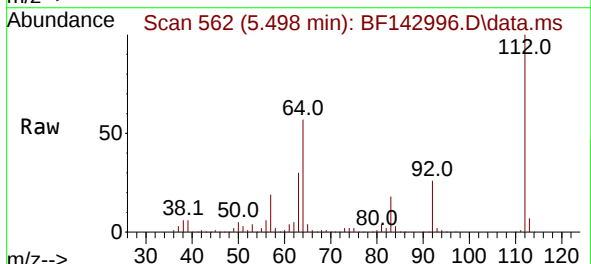
Instrument :
BNA_F
ClientSampleId :
TP-104

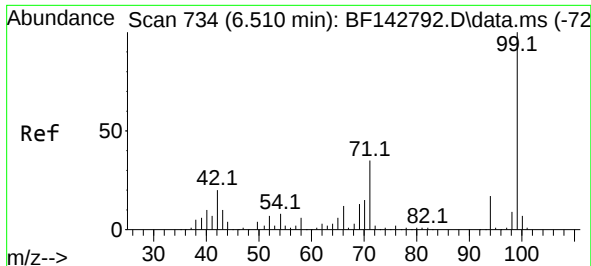
Tgt Ion:152 Resp: 71564
Ion Ratio Lower Upper
152 100
150 154.3 127.2 190.8
115 57.9 46.6 69.8



#5
2-Fluorophenol
Concen: 76.782 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion:112 Resp: 330035
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.2 25.7 38.5

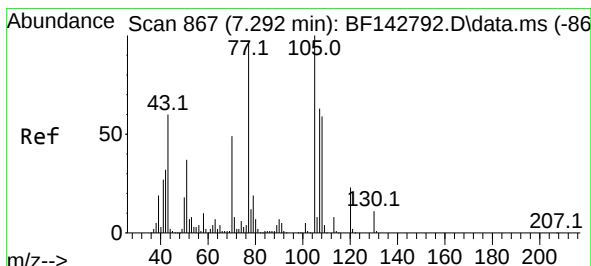
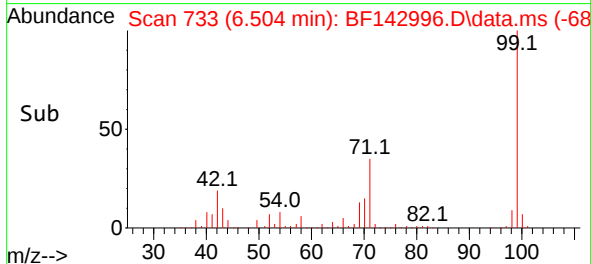
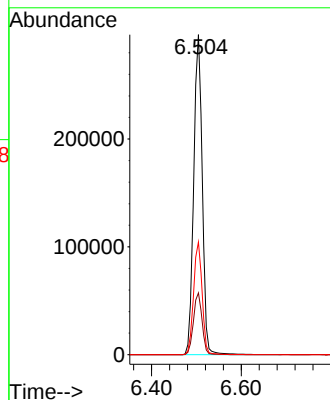
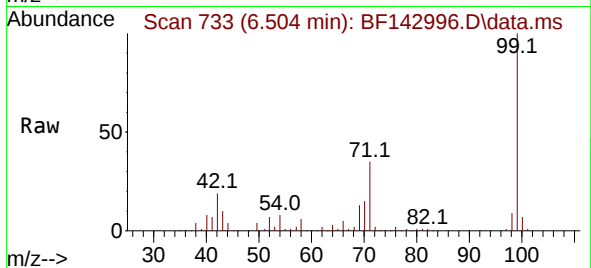




#7
Phenol-d6
Concen: 77.577 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

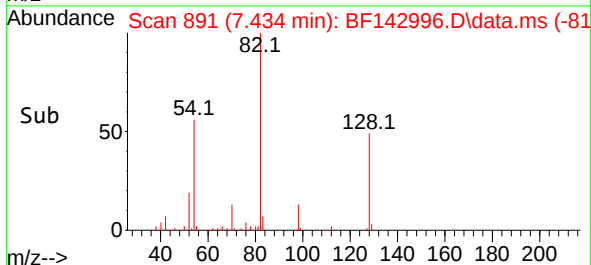
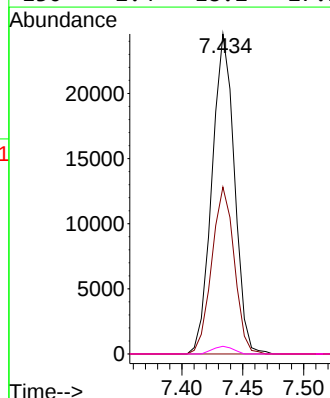
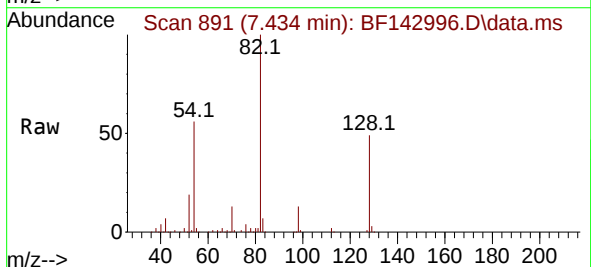
Instrument :
BNA_F
ClientSampleId :
TP-104

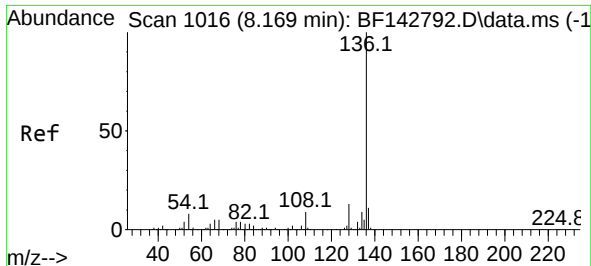
Tgt Ion: 99 Resp: 393410
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.693 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion: 70 Resp: 31537
Ion Ratio Lower Upper
70 100
42 52.1 52.1 78.1
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#



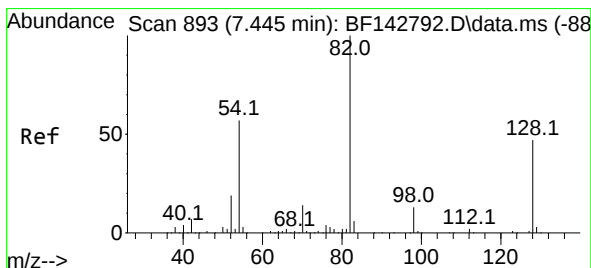
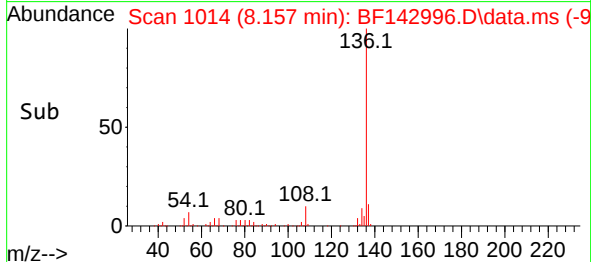
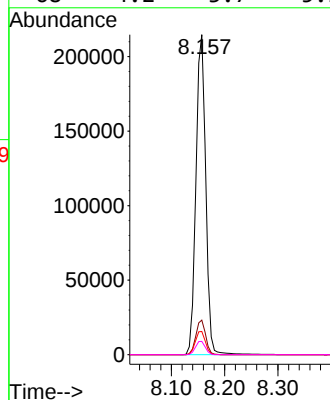
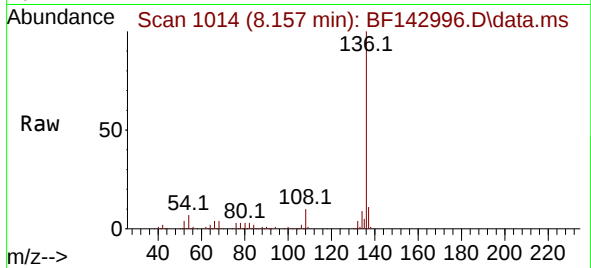


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Instrument :
BNA_F
ClientSampleId :
TP-104

Tgt Ion:136 Resp: 274705

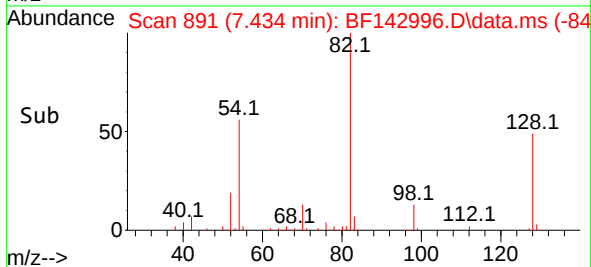
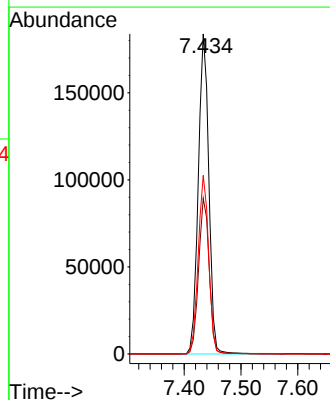
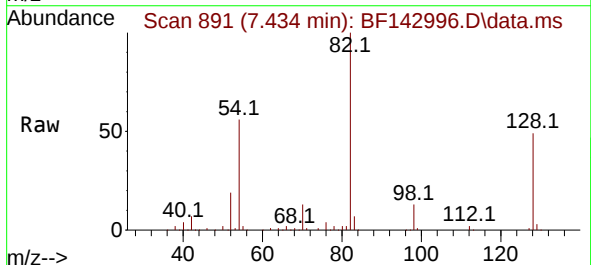
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.2	6.3	9.5
68	4.2	3.7	5.5

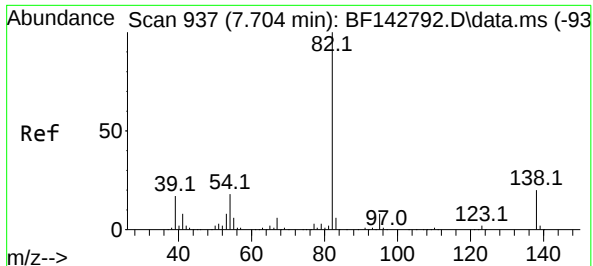


#23
Nitrobenzene-d5
Concen: 47.584 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion: 82 Resp: 238311

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.7	56.5
54	55.8	45.7	68.5

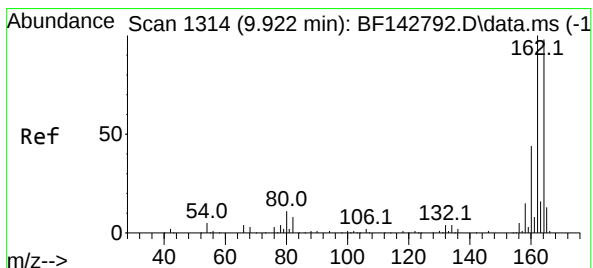
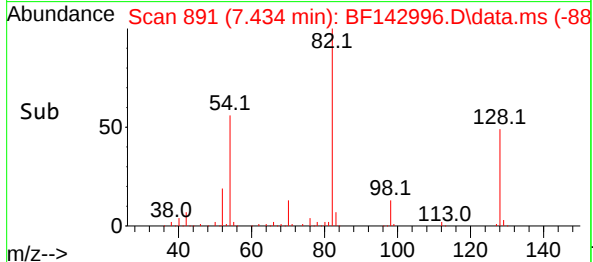
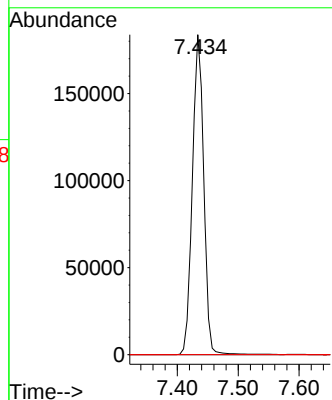
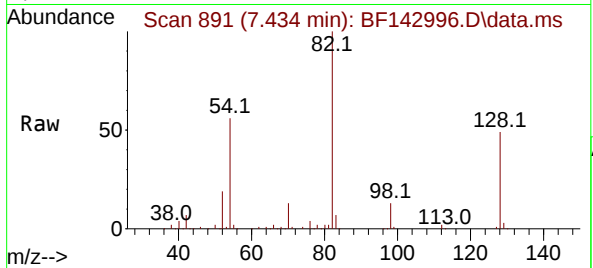




#25
Isophorone
Concen: 29.652 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

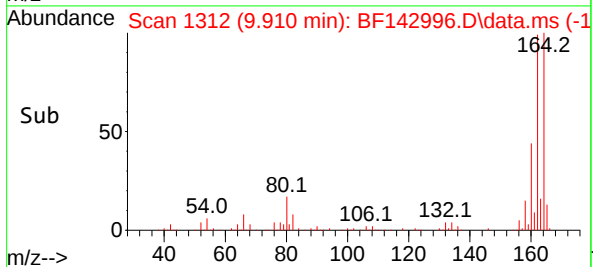
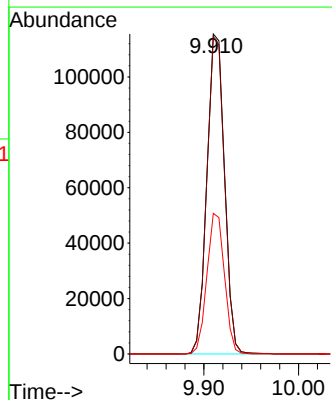
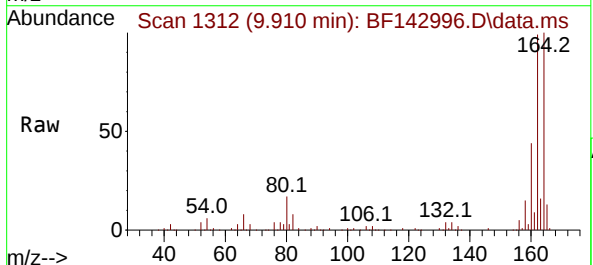
Instrument :
BNA_F
ClientSampleId :
TP-104

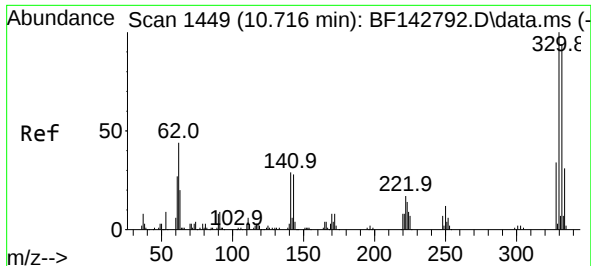
Tgt Ion: 82 Resp: 238221
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

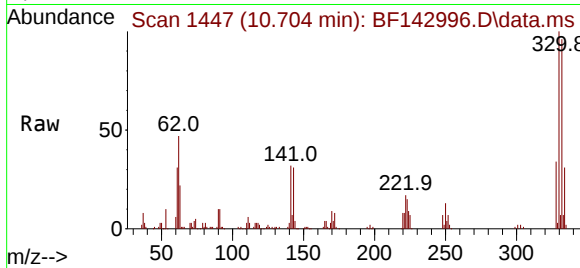
Tgt Ion: 164 Resp: 149203
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.8
160 44.0 36.0 54.0



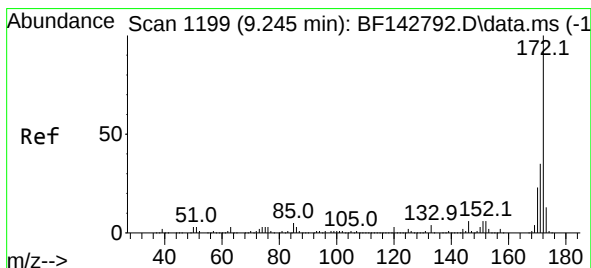
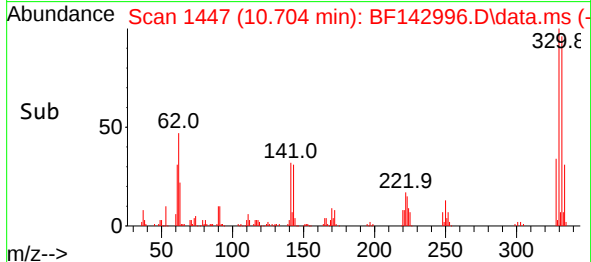
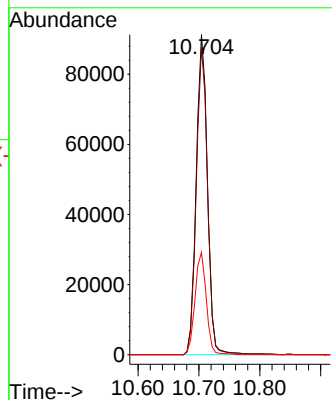


#42
2,4,6-Tribromophenol
Concen: 76.400 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Instrument :
BNA_F
ClientSampleId :
TP-104

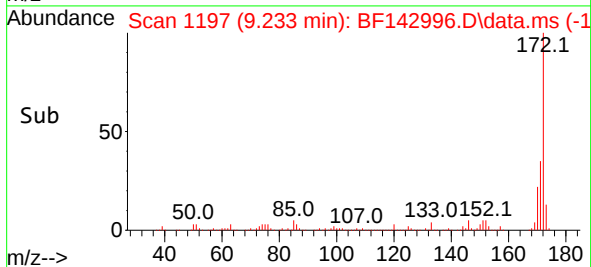
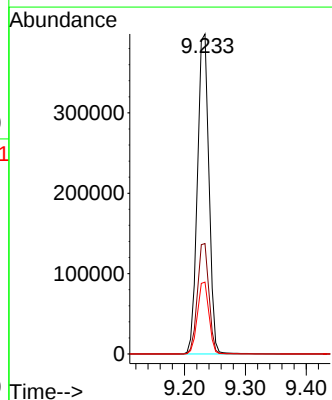
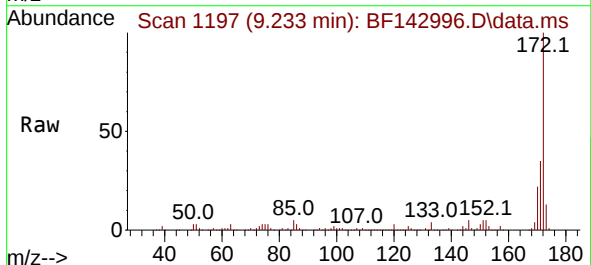


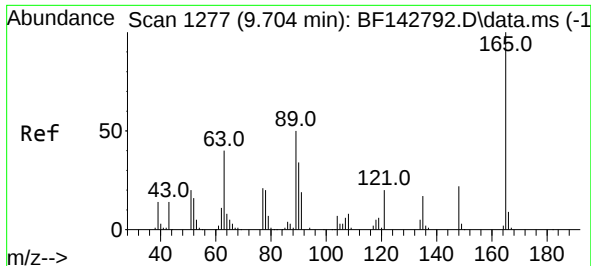
Tgt Ion: 330 Resp: 117304
Ion Ratio Lower Upper
330 100
332 96.0 75.0 112.6
141 32.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 45.997 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion: 172 Resp: 522416
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 22.5 18.5 27.7

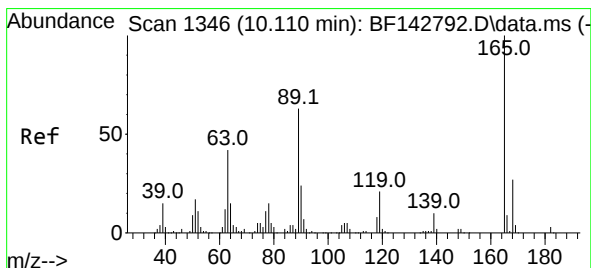
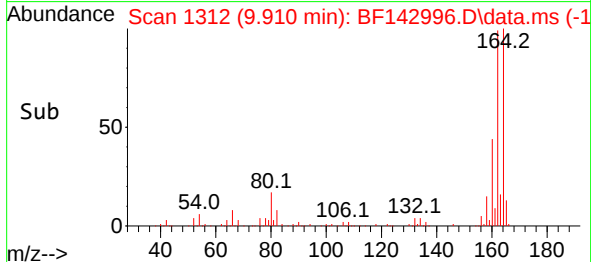
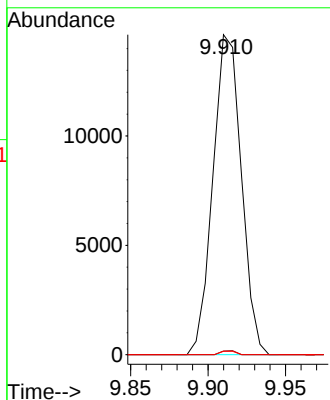
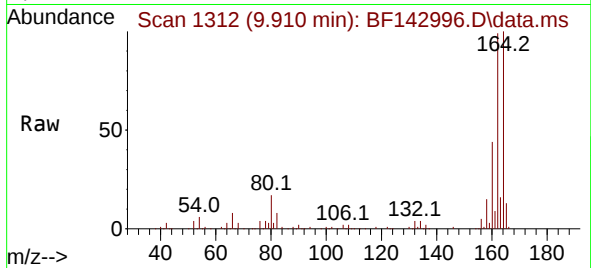




#51
2,6-Dinitrotoluene
Concen: 8.794 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

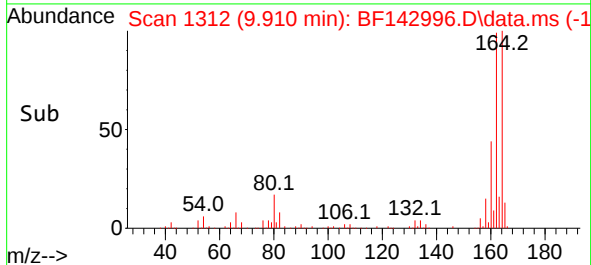
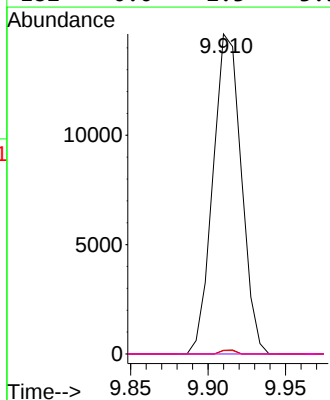
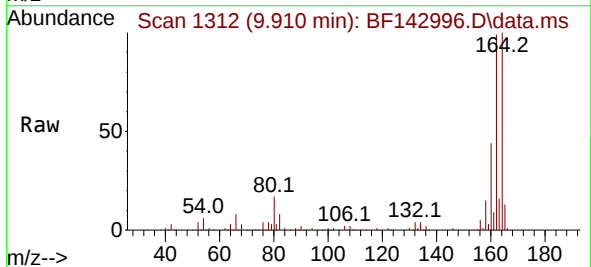
Instrument :
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ClientSampleId :
TP-104

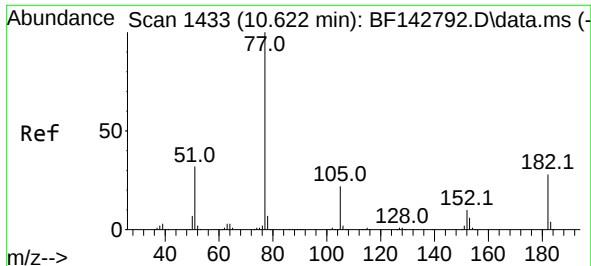
Tgt Ion:165 Resp: 18652
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 1.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.621 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion:165 Resp: 18652
Ion Ratio Lower Upper
165 100
63 1.2 33.9 50.9#
89 1.0 50.6 75.8#
182 0.0 2.3 3.5#

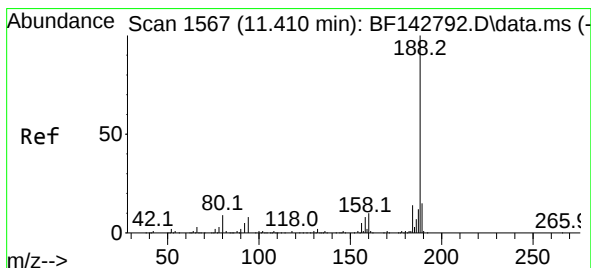
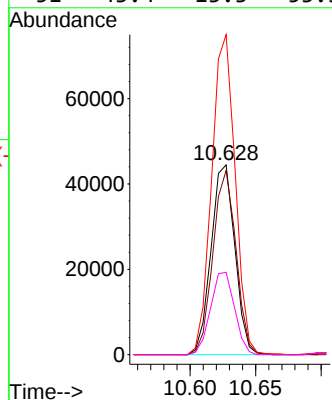
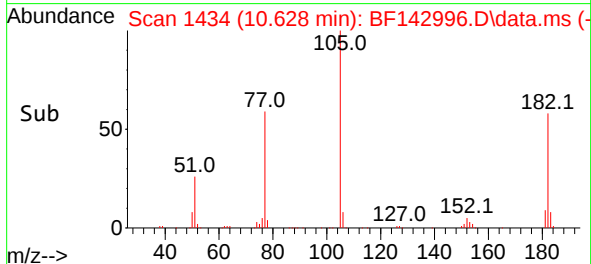
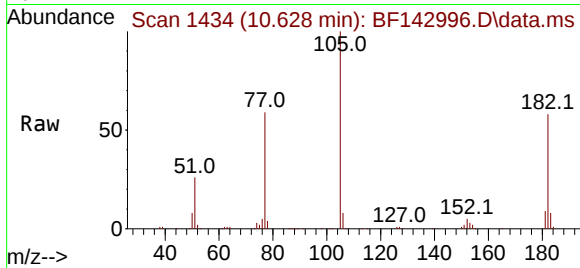




#63
Azobenzene
Concen: 6.634 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

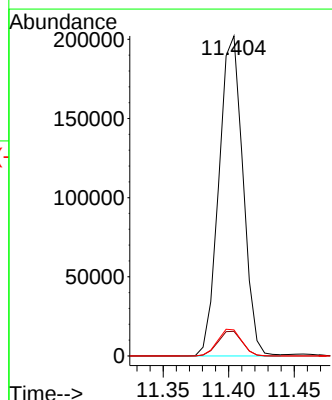
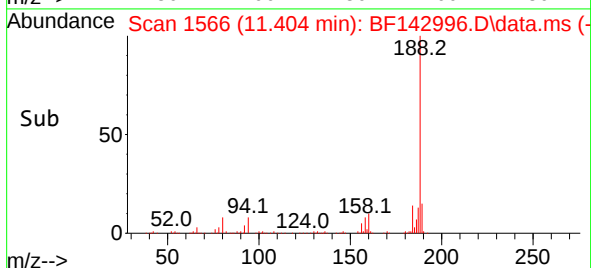
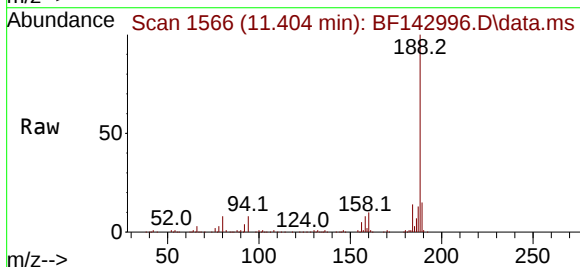
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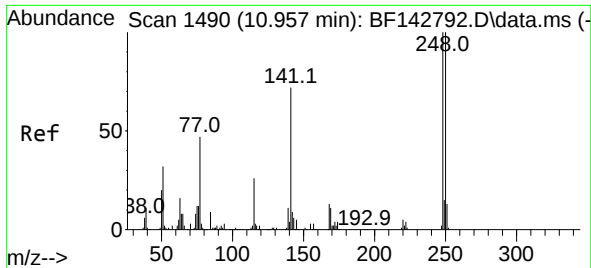
Tgt Ion: 77 Resp: 56149
Ion Ratio Lower Upper
77 100
182 97.1 7.7 47.7#
105 168.7 1.9 41.9#
51 43.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion: 188 Resp: 257344
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.1 6.9 10.3

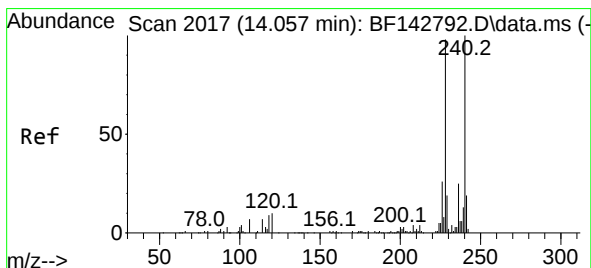
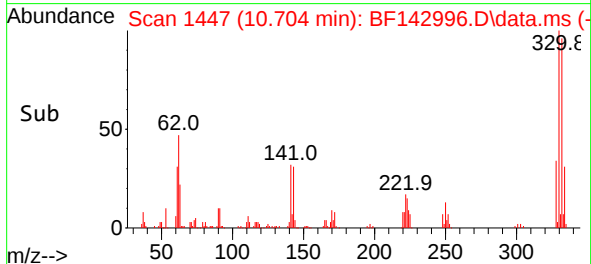
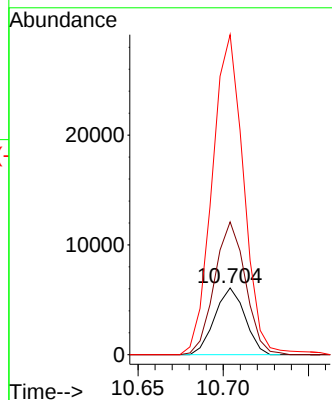
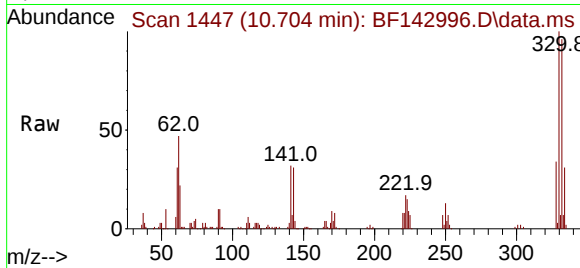




#67
4-Bromophenyl-phenylether
Concen: 2.553 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

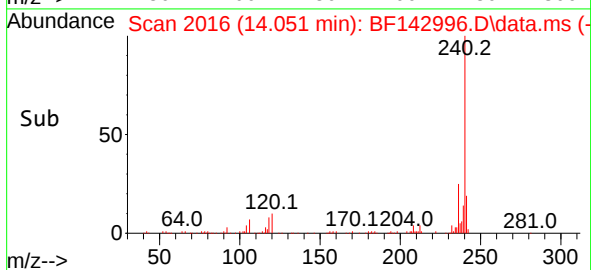
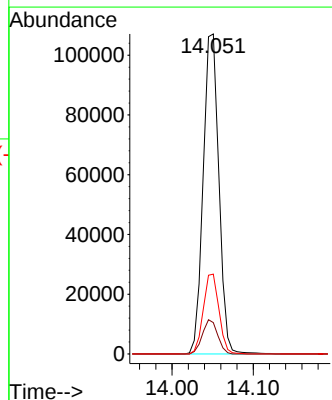
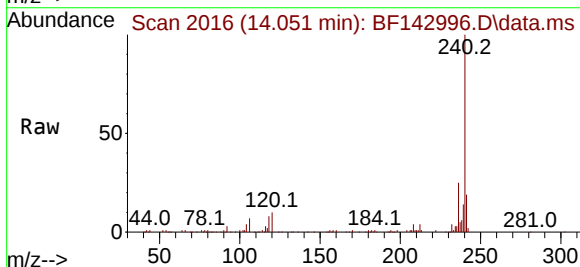
Instrument :
BNA_F
ClientSampleId :
TP-104

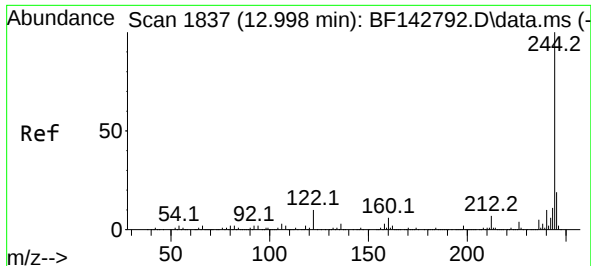
Tgt Ion:248 Resp: 7476
Ion Ratio Lower Upper
248 100
250 199.2 79.8 119.8#
141 480.1 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142996.D
Acq: 03 Jul 2025 14:56

Tgt Ion:240 Resp: 143815
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.0 19.8 29.8

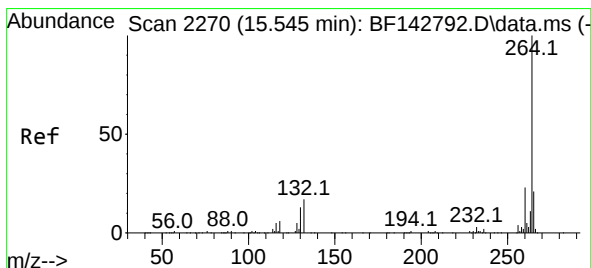
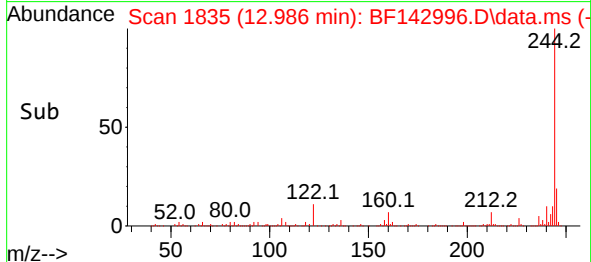
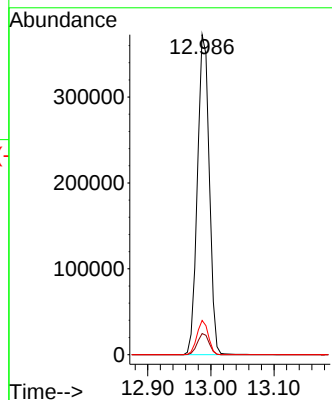
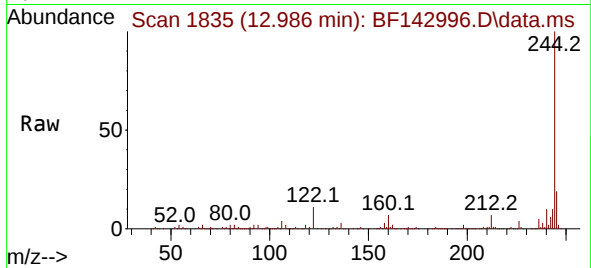




#79
 Terphenyl-d14
 Concen: 46.559 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142996.D
 Acq: 03 Jul 2025 14:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-104

Tgt Ion:244 Resp: 484616
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.7 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142996.D
 Acq: 03 Jul 2025 14:56

Tgt Ion:264 Resp: 171301
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.5 16.6 25.0

