

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142098.D
 Acq On : 26 Mar 2025 15:43
 Operator : RC/JU
 Sample : Q1631-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 359

Quant Time: Mar 26 16:08:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

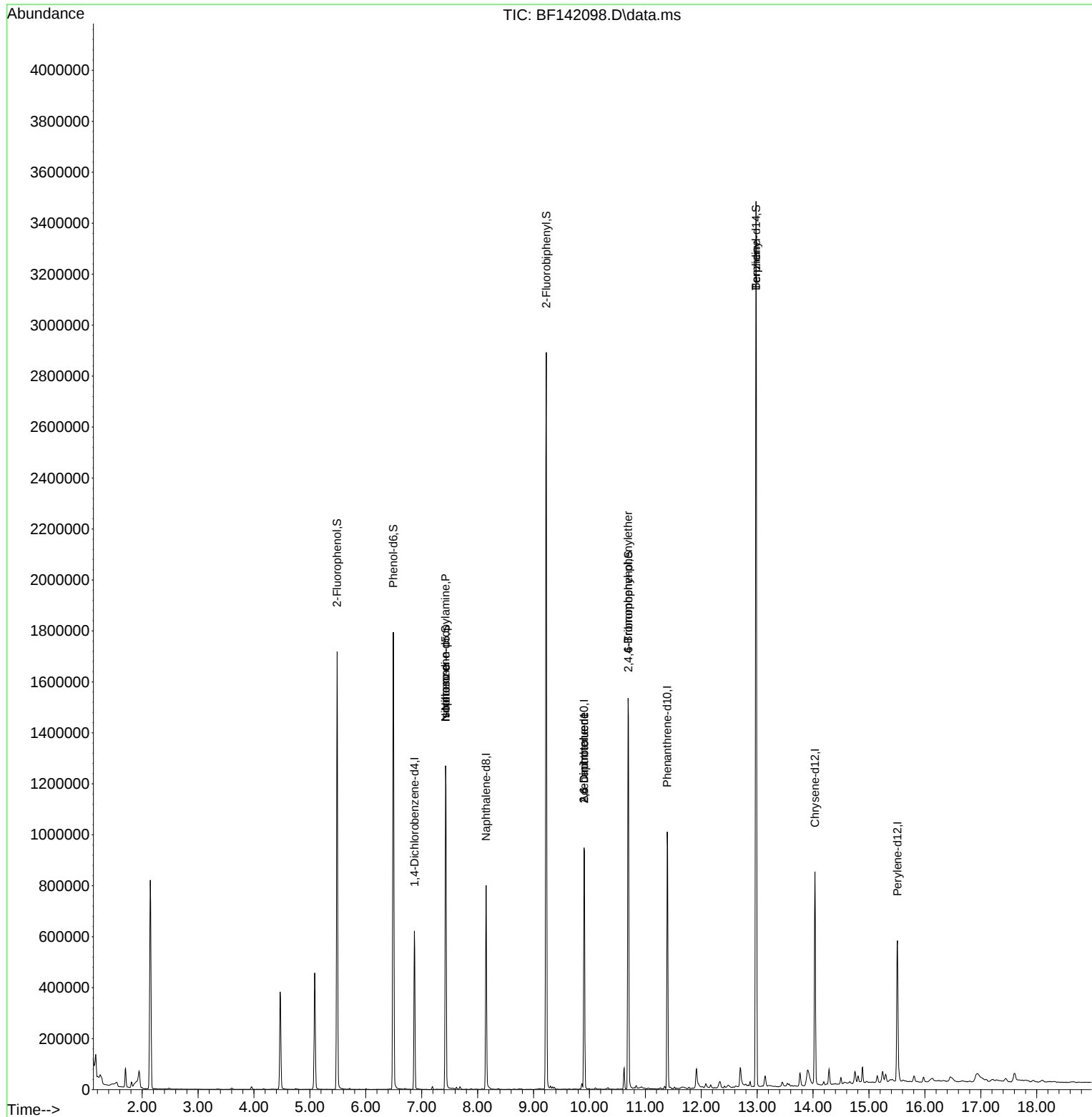
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.868	152	133074	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	522327	20.000	ng	-0.01
39) Acenaphthene-d10	9.903	164	298618	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	532731	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	417626	20.000	ng	0.00
86) Perylene-d12	15.509	264	351696	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.486	112	666265	83.560	ng	0.00
7) Phenol-d6	6.492	99	864617	85.167	ng	-0.01
23) Nitrobenzene-d5	7.427	82	591791	63.760	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	293326	77.428	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1278946	65.135	ng	-0.01
79) Terphenyl-d14	12.980	244	1709041	60.502	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.427	70	78869	12.090	ng	# 78
25) Isophorone	7.427	82	585109	35.663	ng	# 64
51) 2,6-Dinitrotoluene	9.903	165	37824	8.687	ng	# 23
57) 2,4-Dinitrotoluene	9.903	165	37825	6.651	ng	# 24
67) 4-Bromophenyl-phenylether	10.692	248	18424	2.754	ng	# 1
77) Benzidine	12.980	184	23384	4.013	ng	# 91

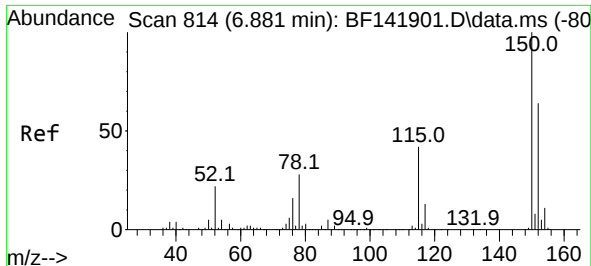
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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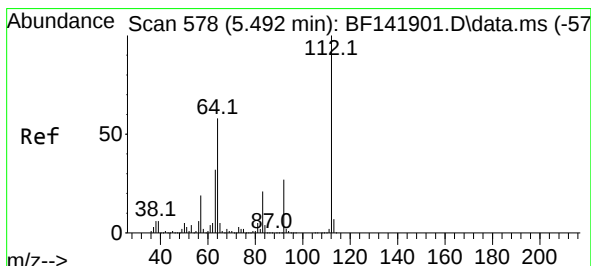
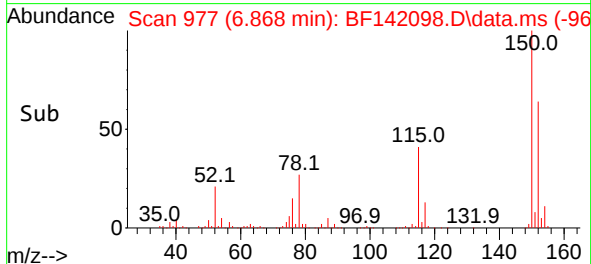
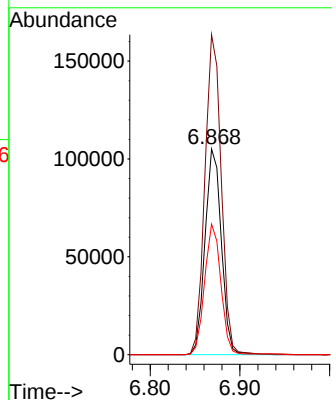
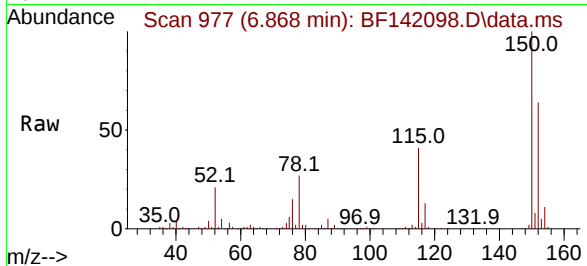




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.868 min Scan# 91
Delta R.T. -0.013 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

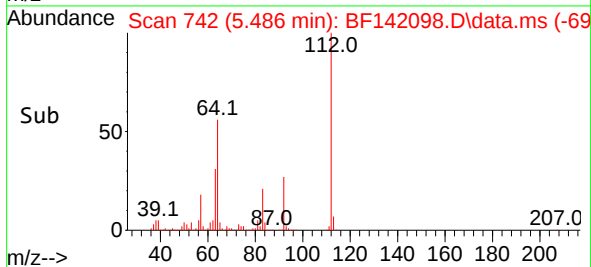
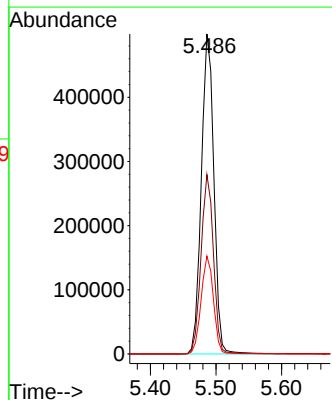
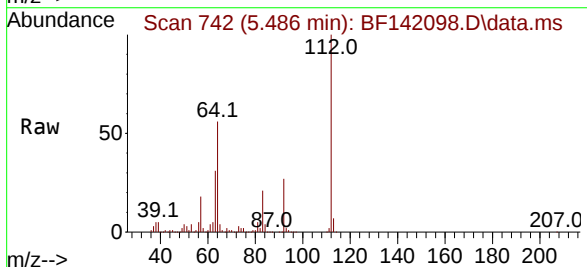
Instrument :
BNA_F
ClientSampleId :
359

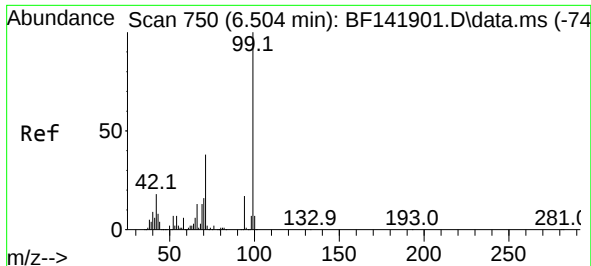
Tgt Ion:152 Resp: 133074
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 63.4 51.9 77.9



#5
2-Fluorophenol
Concen: 83.560 ng
RT: 5.486 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

Tgt Ion:112 Resp: 666265
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 30.6 25.4 38.2

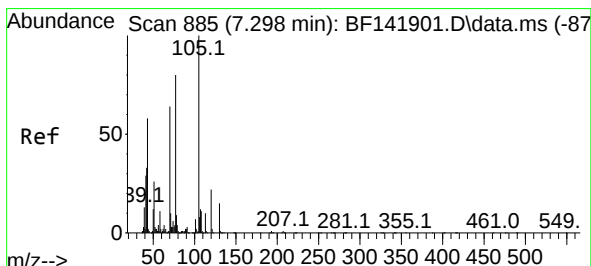
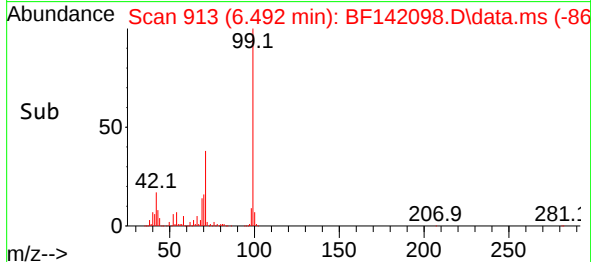
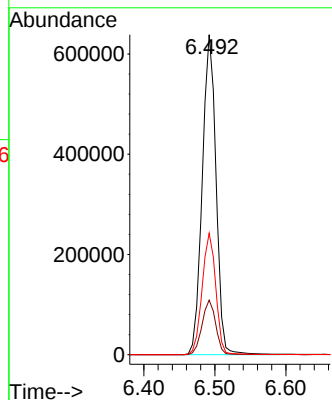
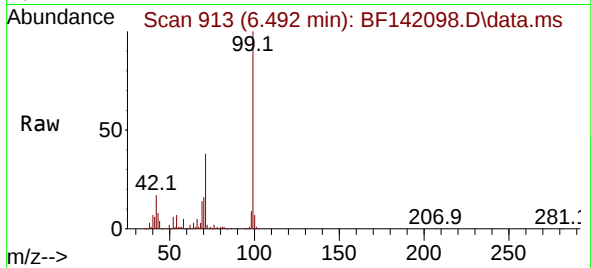




#7
Phenol-d6
Concen: 85.167 ng
RT: 6.492 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

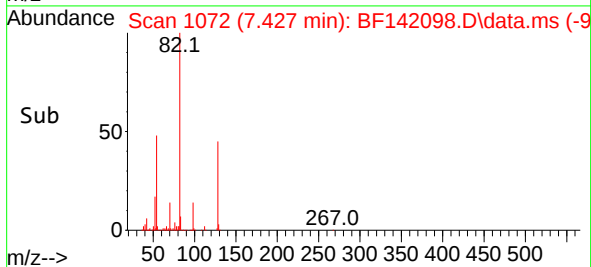
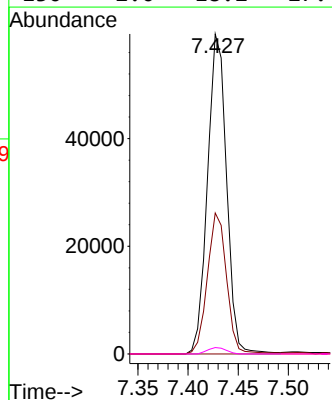
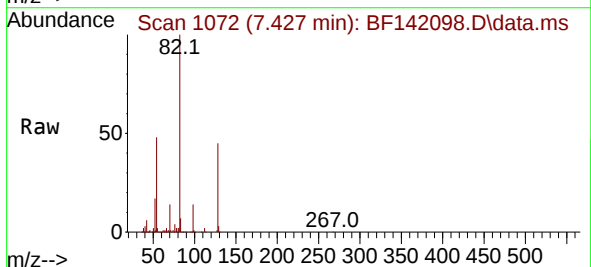
Instrument :
BNA_F
ClientSampleId :
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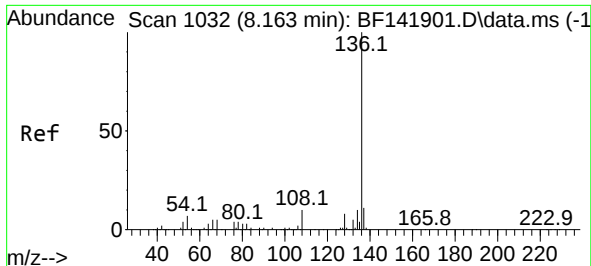
Tgt Ion: 99 Resp: 864617
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 37.9 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.090 ng
RT: 7.427 min Scan# 1072
Delta R.T. 0.129 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

Tgt Ion: 70 Resp: 78869
Ion Ratio Lower Upper
70 100
42 44.1 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#

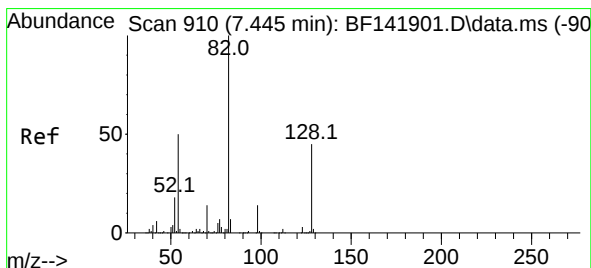
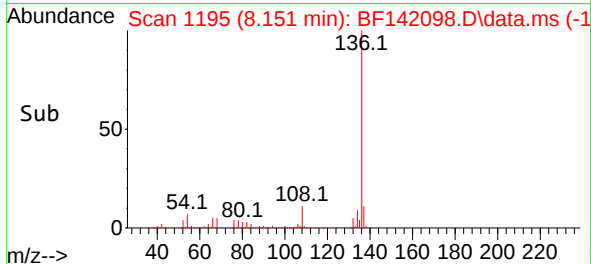
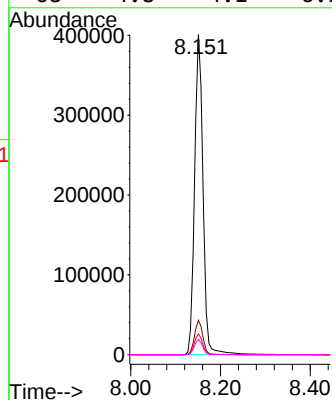
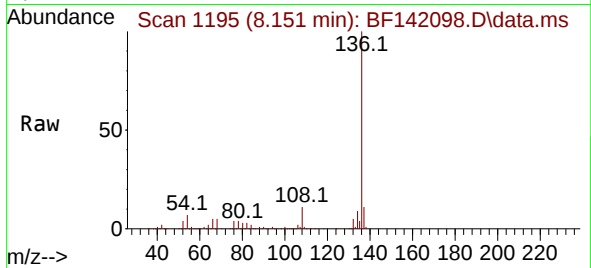




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

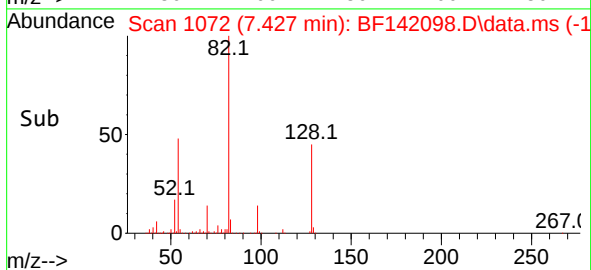
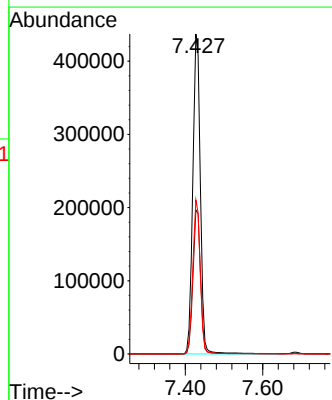
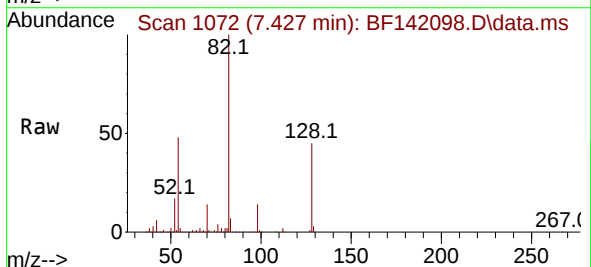
Instrument :
BNA_F
ClientSampleId :
359

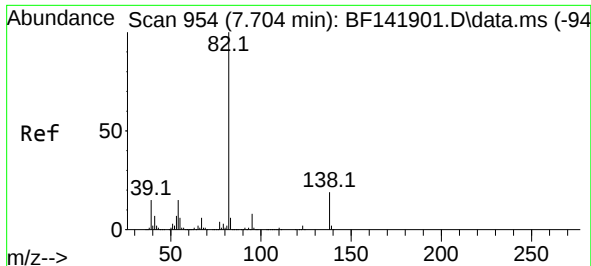
Tgt Ion:136 Resp: 522327
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 63.760 ng
RT: 7.427 min Scan# 1072
Delta R.T. -0.018 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

Tgt Ion: 82 Resp: 591791
Ion Ratio Lower Upper
82 100
128 45.0 36.0 54.0
54 48.2 39.6 59.4

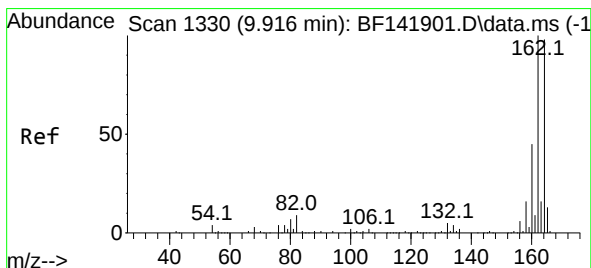
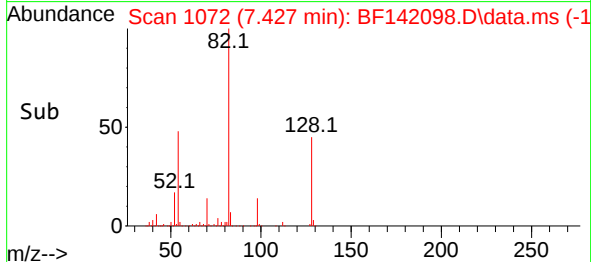
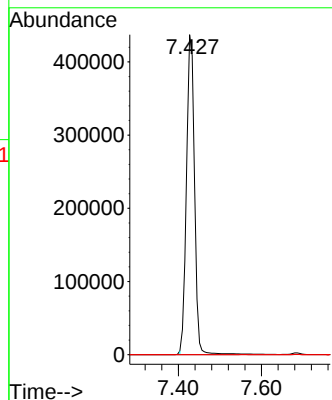
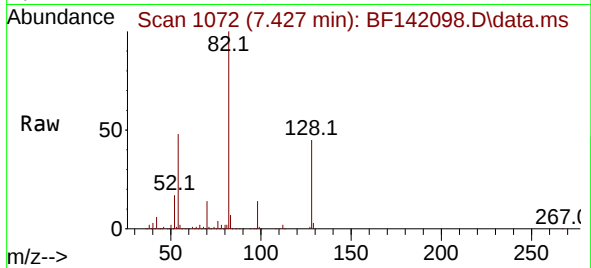




#25
Isophorone
Concen: 35.663 ng
RT: 7.427 min Scan# 10
Delta R.T. -0.277 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

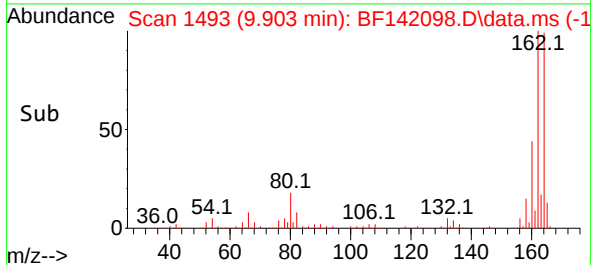
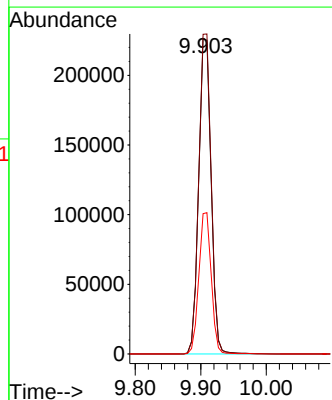
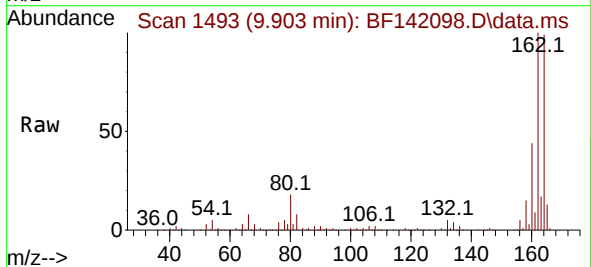
Instrument :
BNA_F
ClientSampleId :
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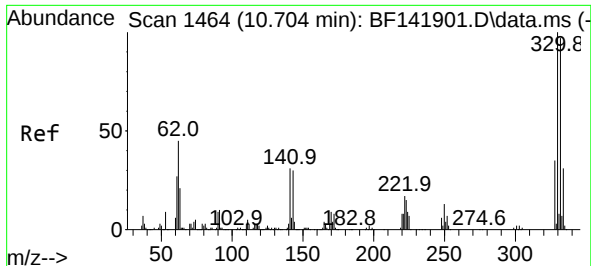
Tgt Ion: 82 Resp: 585109
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.903 min Scan# 1493
Delta R.T. -0.013 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

Tgt Ion:164 Resp: 298618
Ion Ratio Lower Upper
164 100
162 101.3 81.8 122.6
160 44.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 77.428 ng

RT: 10.698 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142098.D

Acq: 26 Mar 2025 15:43

Instrument :

BNA_F

ClientSampleId :

359

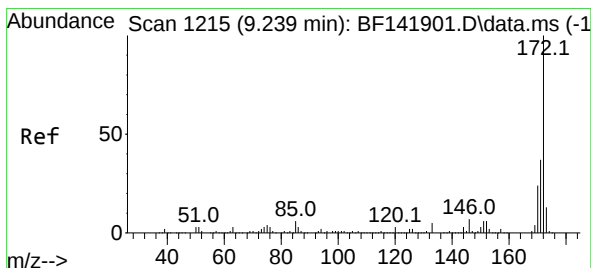
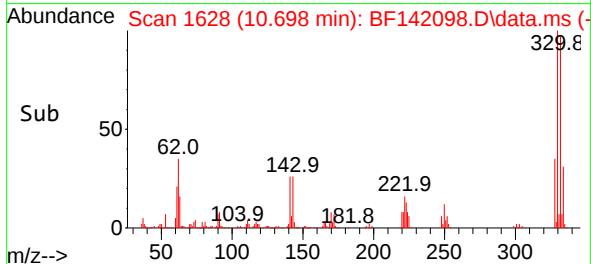
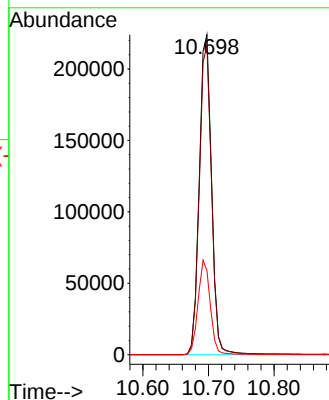
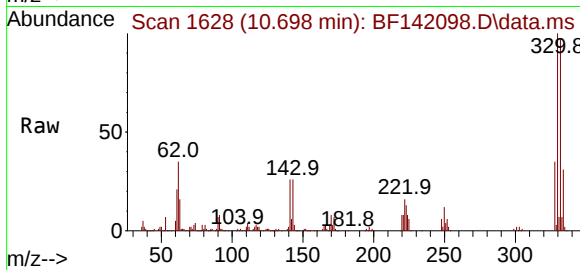
Tgt Ion:330 Resp: 293326

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 29.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 65.135 ng

RT: 9.227 min Scan# 1378

Delta R.T. -0.012 min

Lab File: BF142098.D

Acq: 26 Mar 2025 15:43

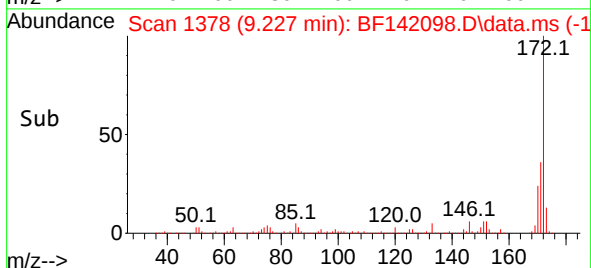
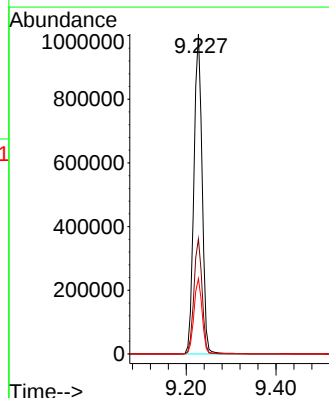
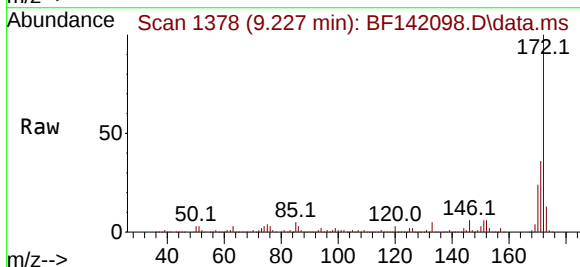
Tgt Ion:172 Resp: 1278946

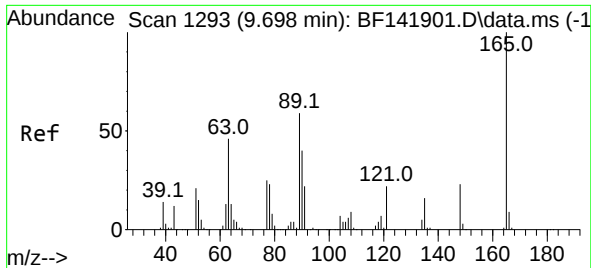
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.6 19.4 29.0

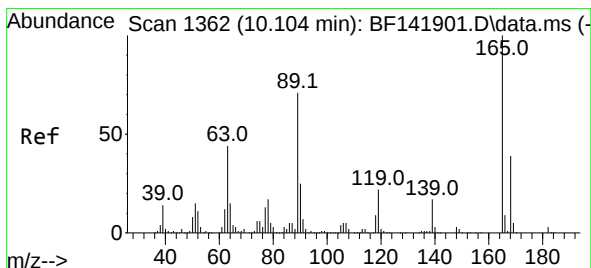
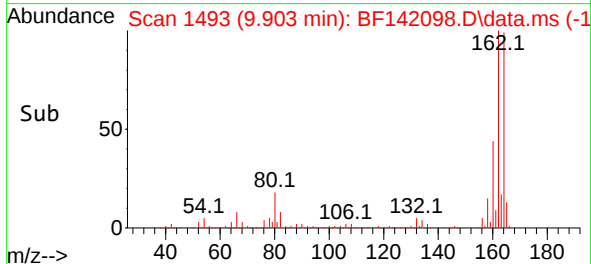
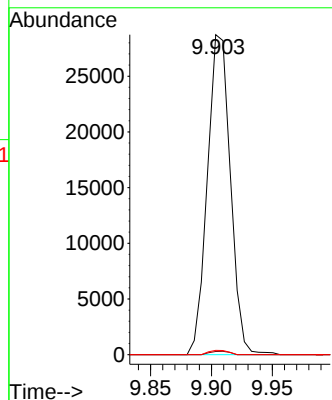
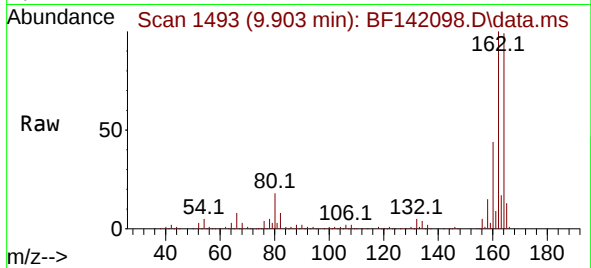




#51
2,6-Dinitrotoluene
Concen: 8.687 ng
RT: 9.903 min Scan# 1493
Delta R.T. 0.205 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

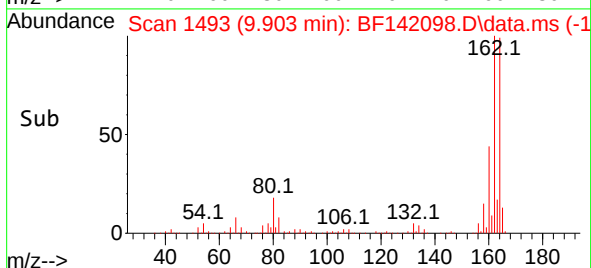
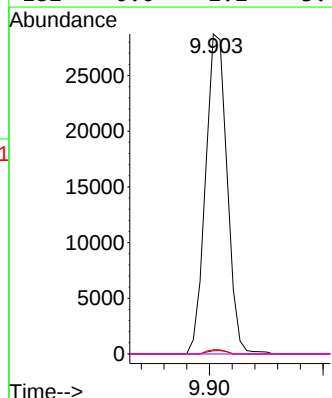
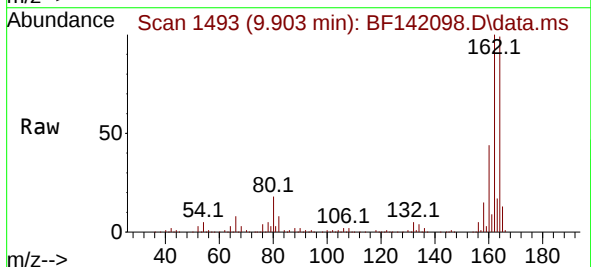
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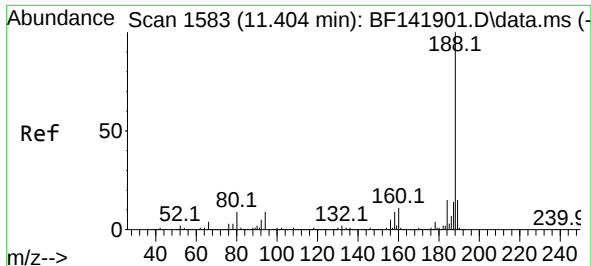
Tgt Ion:165 Resp: 37824
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.651 ng
RT: 9.903 min Scan# 1493
Delta R.T. -0.200 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

Tgt Ion:165 Resp: 37825
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

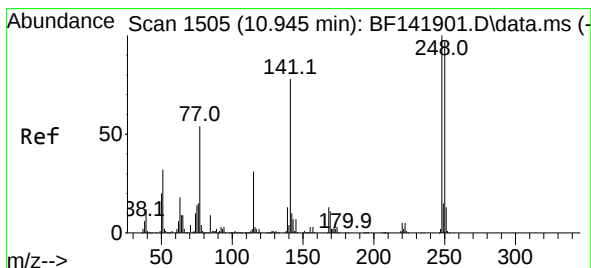
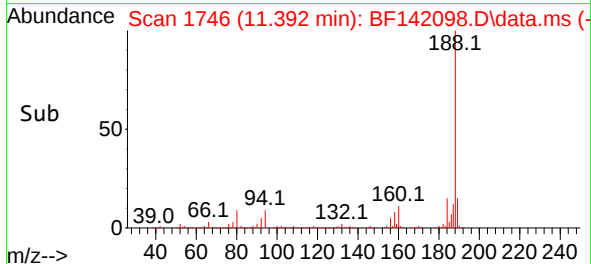
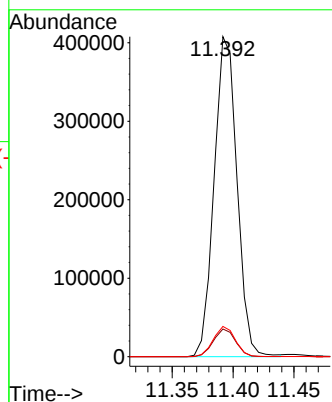
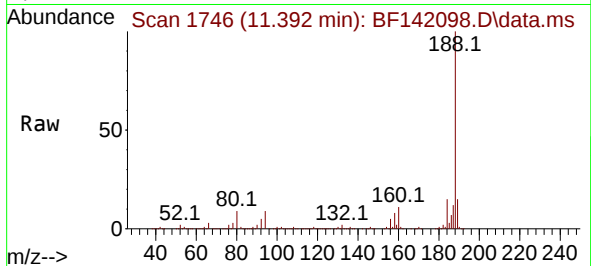




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

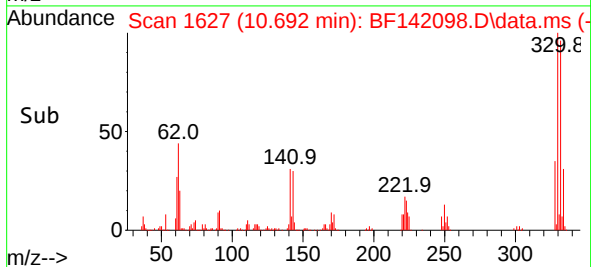
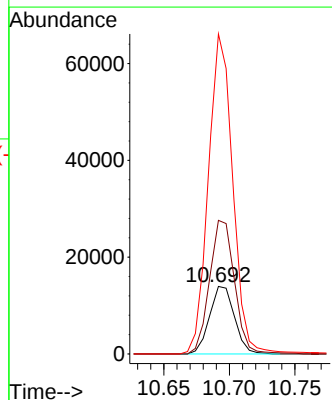
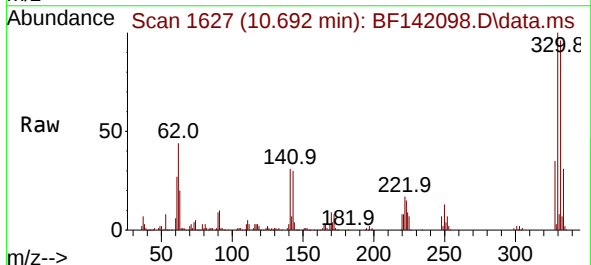
Instrument :
BNA_F
ClientSampleId :
359

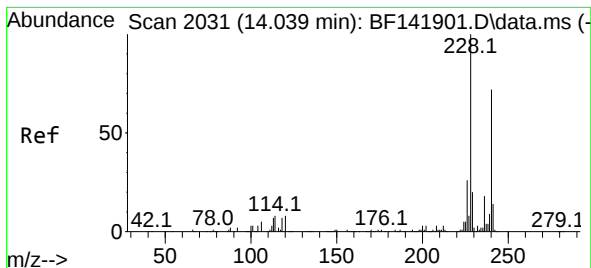
Tgt Ion:188 Resp: 532731
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.4 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 2.754 ng
RT: 10.692 min Scan# 1627
Delta R.T. -0.253 min
Lab File: BF142098.D
Acq: 26 Mar 2025 15:43

Tgt Ion:248 Resp: 18424
Ion Ratio Lower Upper
248 100
250 198.2 77.8 116.8#
141 474.4 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142098.D

Acq: 26 Mar 2025 15:43

Instrument :

BNA_F

ClientSampleId :

359

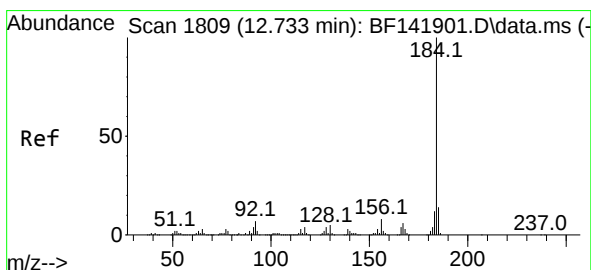
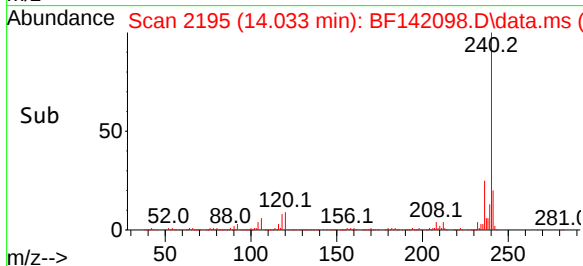
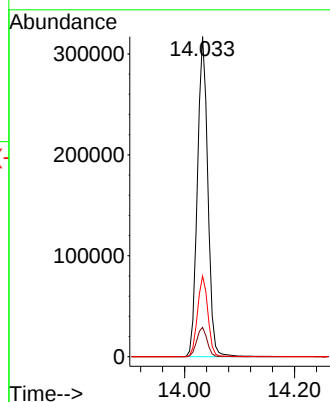
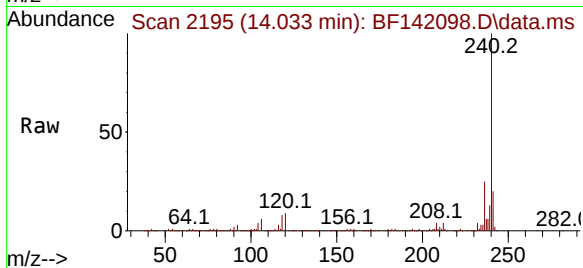
Tgt Ion:240 Resp: 417626

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.2 20.5 30.7



#77

Benzidine

Concen: 4.013 ng

RT: 12.980 min Scan# 2016

Delta R.T. 0.247 min

Lab File: BF142098.D

Acq: 26 Mar 2025 15:43

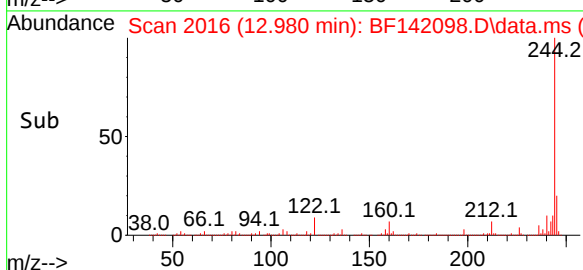
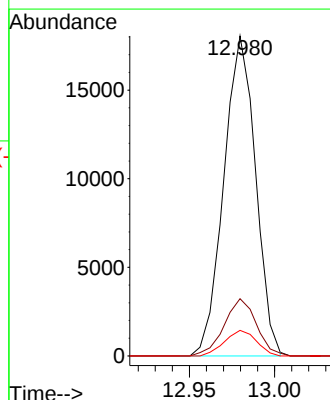
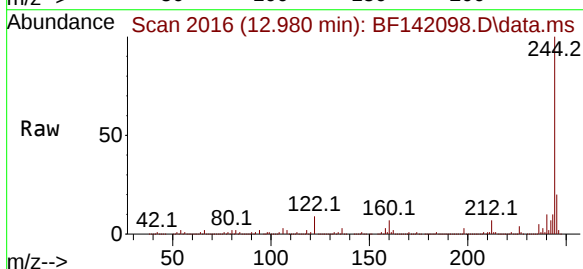
Tgt Ion:184 Resp: 23384

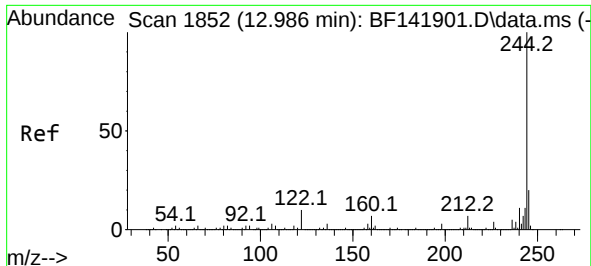
Ion Ratio Lower Upper

184 100

185 17.9 11.5 17.3#

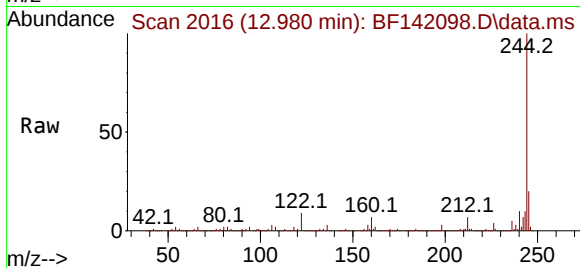
183 8.0 9.7 14.5#



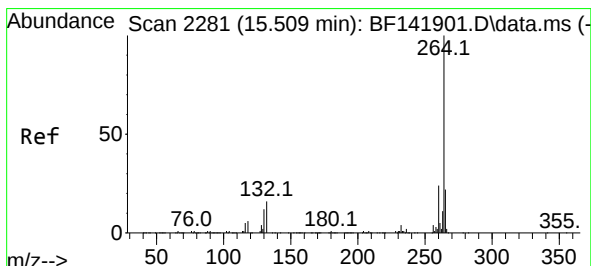
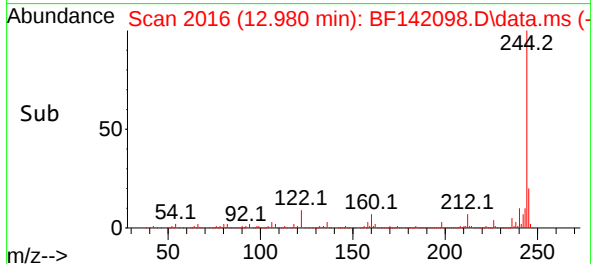
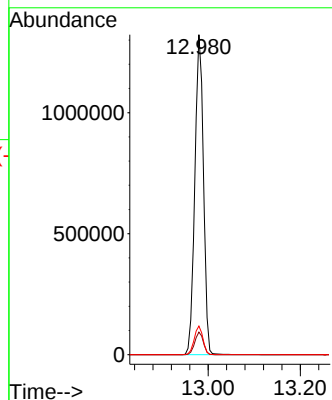


#79
 Terphenyl-d14
 Concen: 60.502 ng
 RT: 12.980 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF142098.D
 Acq: 26 Mar 2025 15:43

Instrument :
 BNA_F
 ClientSampleId :
 359



Tgt Ion:244 Resp: 1709041
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.0 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2446
 Delta R.T. -0.000 min
 Lab File: BF142098.D
 Acq: 26 Mar 2025 15:43

Tgt Ion:264 Resp: 351696
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.1 28.7
 265 21.6 17.5 26.3

