

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142369.D
 Acq On : 14 May 2025 16:46
 Operator : RC/JU
 Sample : Q2004-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2811

Quant Time: May 14 17:31:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

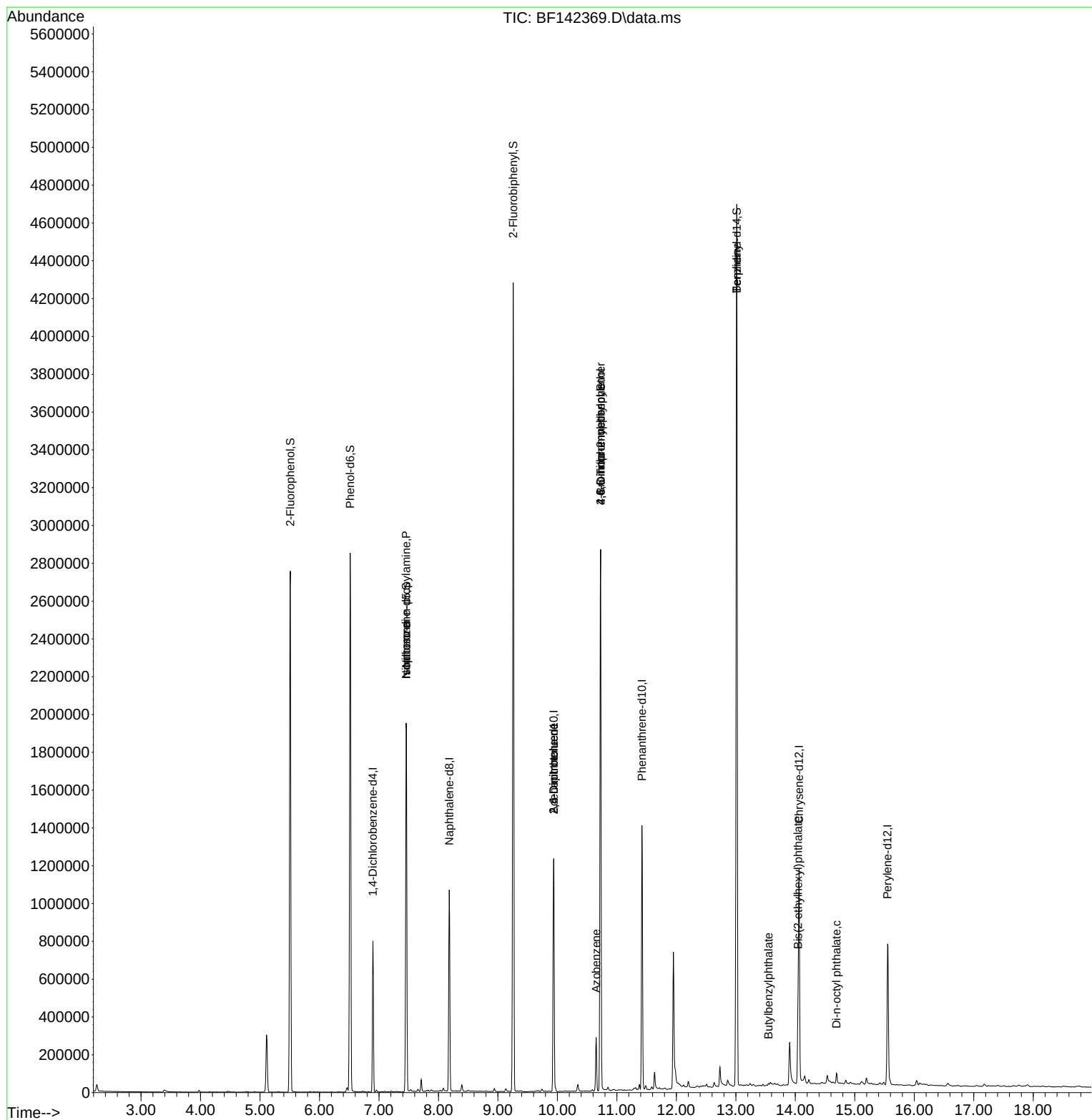
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	168055	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	667058	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	384385	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	713297	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	528731	20.000	ng	0.00
86) Perylene-d12	15.551	264	447191	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1118894	113.656	ng	0.00
7) Phenol-d6	6.516	99	1423405	117.558	ng	0.00
23) Nitrobenzene-d5	7.457	82	871983	79.723	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	548670	147.843	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1937509	71.872	ng	0.00
79) Terphenyl-d14	13.016	244	2429733	68.017	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	117154	15.642	ng	# 78
25) Isophorone	7.457	82	864227	41.726	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	48996	10.605	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	48996	8.268	ng	# 24
63) Azobenzene	10.651	77	65985	2.801	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	1100	7.466	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	33139	4.099	ng	# 1
77) Benzidine	13.016	184	30053	3.128	ng	97
80) Butylbenzylphthalate	13.551	149	379	3.685	ng	# 50
84) Bis(2-ethylhexyl)phtha...	14.045	149	132306	10.981	ng	100
85) Di-n-octyl phthalate	14.692	149	7435	8.033	ng	# 8

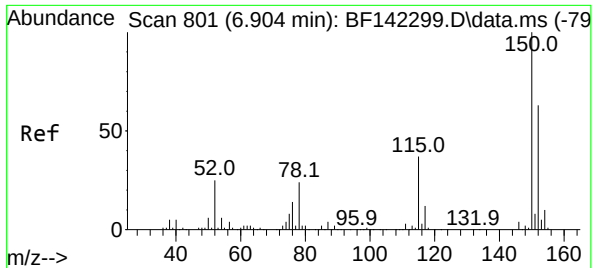
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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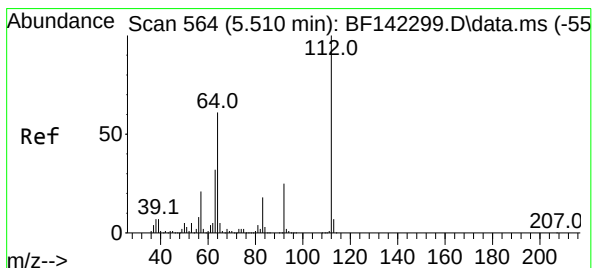
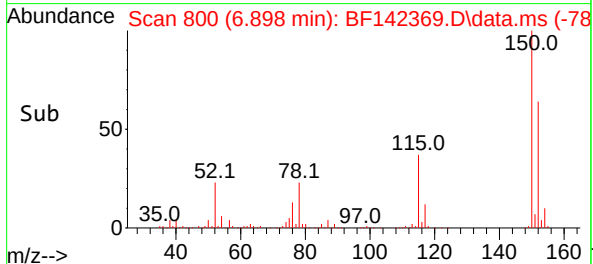
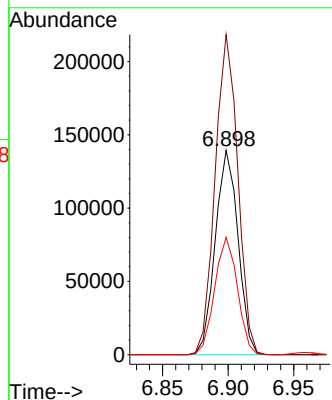
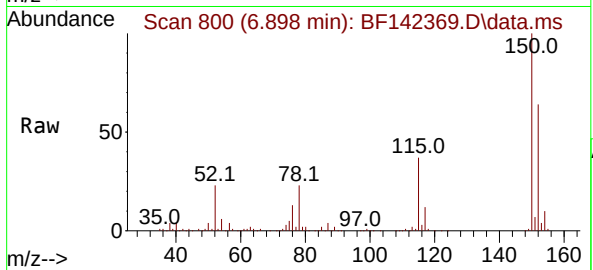




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 801
 Delta R.T. -0.006 min
 Lab File: BF142369.D
 Acq: 14 May 2025 16:46

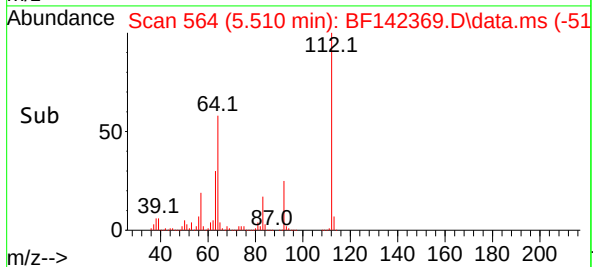
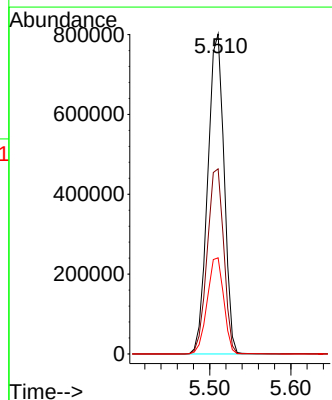
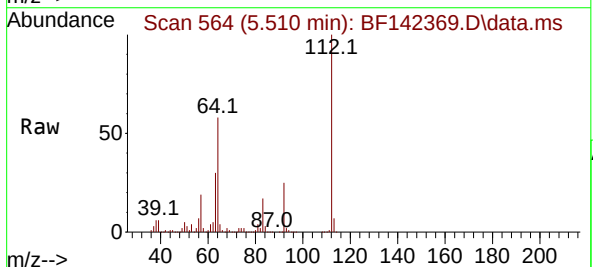
Instrument :
 BNA_F
 ClientSampleId :
 2811

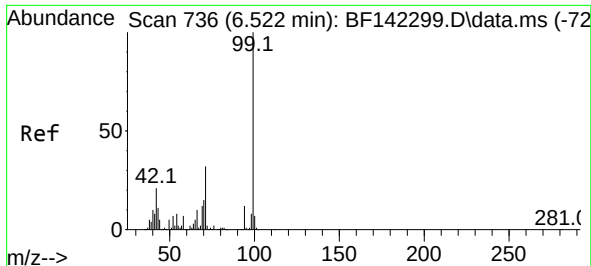
Tgt Ion:152 Resp: 168055
 Ion Ratio Lower Upper
 152 100
 150 156.7 126.6 190.0
 115 57.4 47.3 70.9



#5
 2-Fluorophenol
 Concen: 113.656 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF142369.D
 Acq: 14 May 2025 16:46

Tgt Ion:112 Resp: 1118894
 Ion Ratio Lower Upper
 112 100
 64 57.9 48.9 73.3
 63 30.1 25.6 38.4





#7
Phenol-d6
Concen: 117.558 ng
RT: 6.516 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

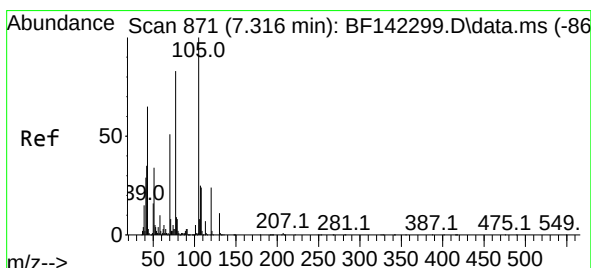
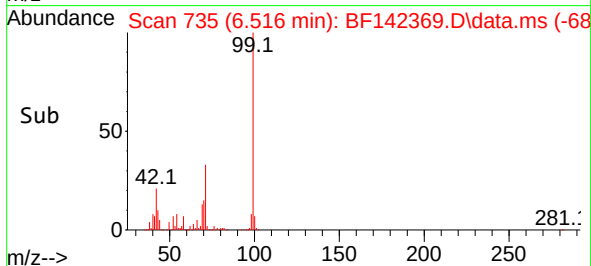
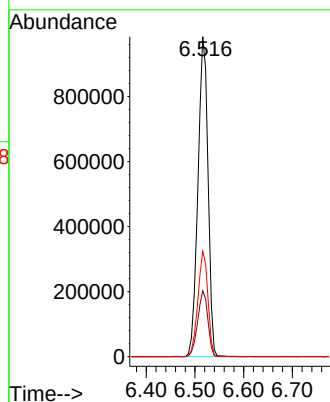
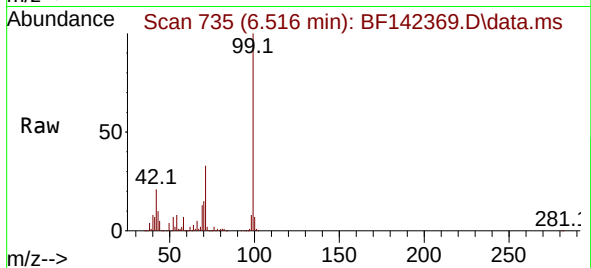
Instrument :

BNA_F

ClientSampleId :

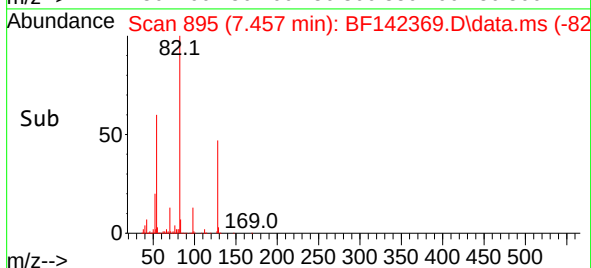
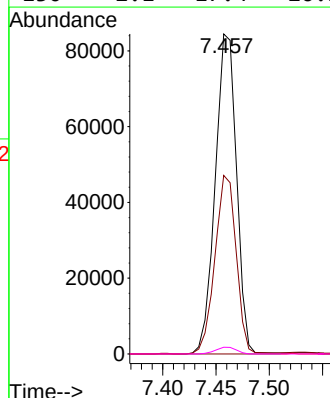
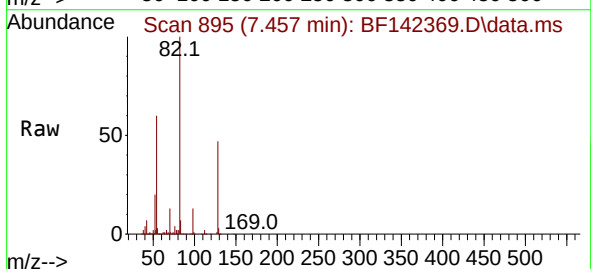
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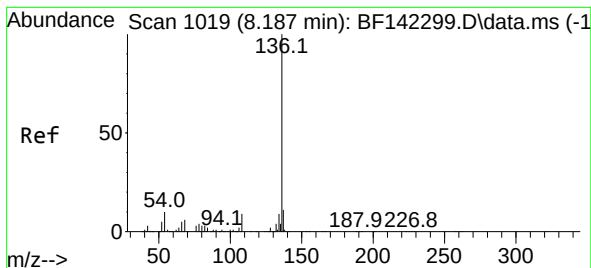
Tgt Ion: 99 Resp: 1423405
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.4
71 32.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.642 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

Tgt Ion: 70 Resp: 117154
Ion Ratio Lower Upper
70 100
42 55.8 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

Instrument :

BNA_F

ClientSampleId :

2811

Tgt Ion:136 Resp: 667058

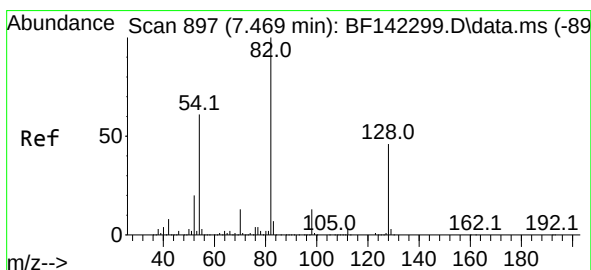
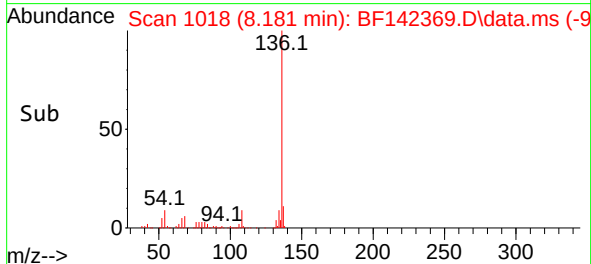
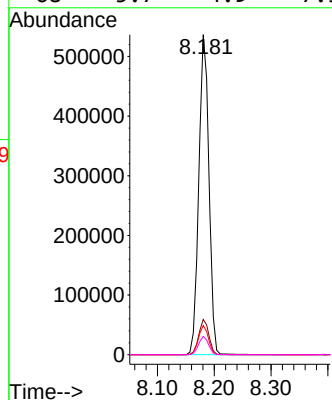
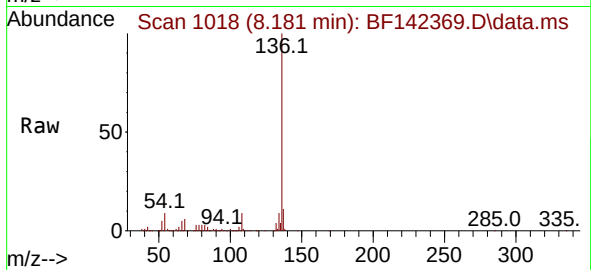
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.1 7.7 11.5

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 79.723 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

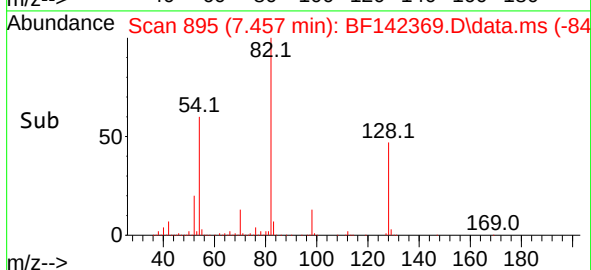
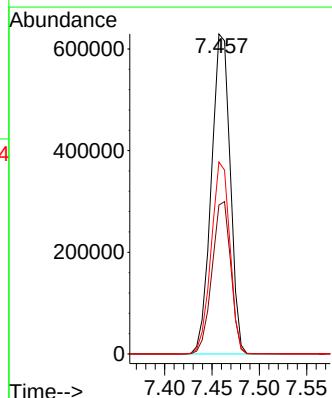
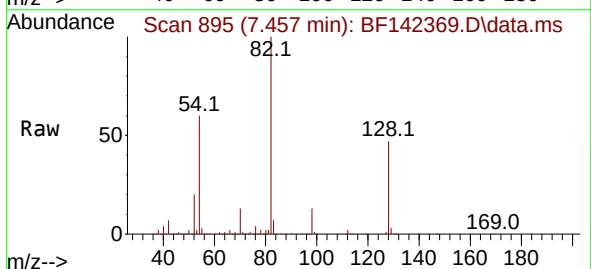
Tgt Ion: 82 Resp: 871983

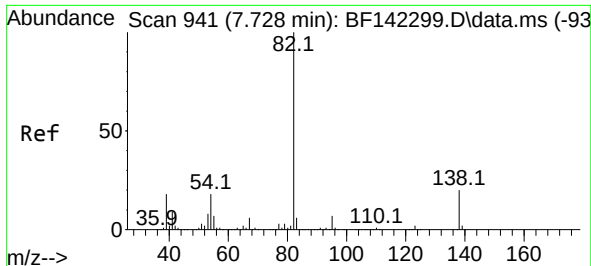
Ion Ratio Lower Upper

82 100

128 46.5 37.0 55.6

54 60.0 48.6 73.0

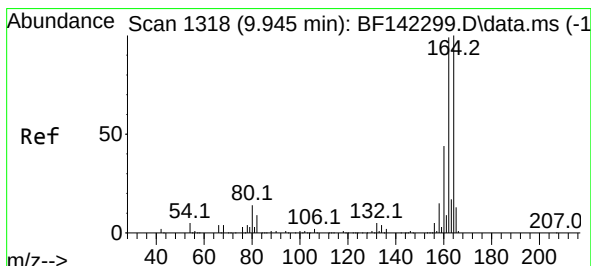
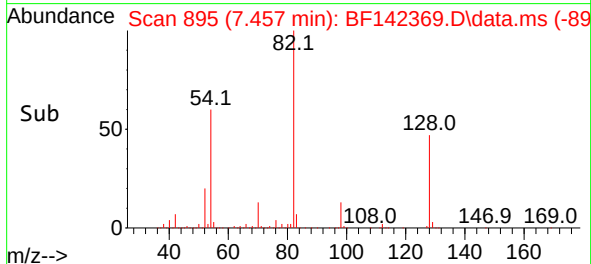
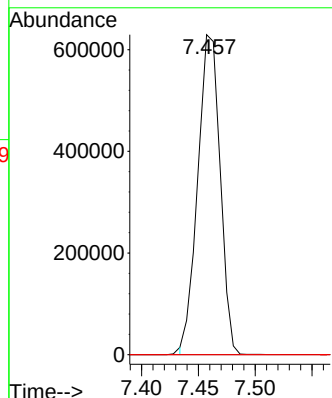
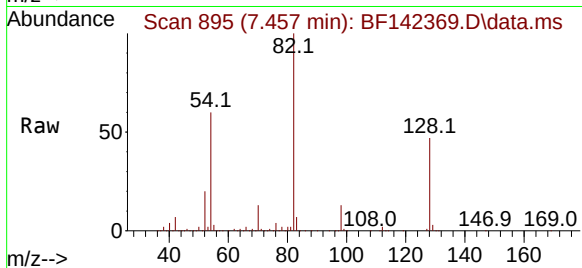




#25
Isophorone
Concen: 41.726 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

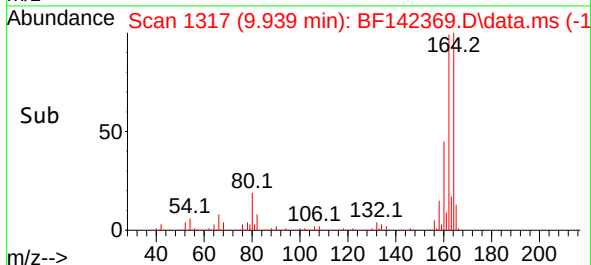
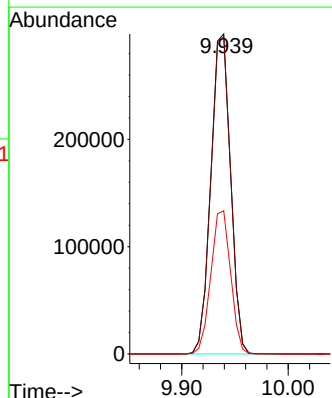
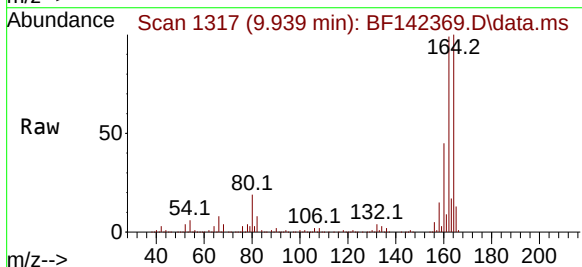
Instrument :
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ClientSampleId :
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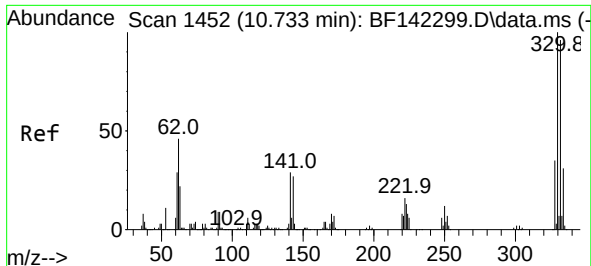
Tgt Ion: 82 Resp: 864227
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

Tgt Ion:164 Resp: 384385
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 44.7 35.3 52.9

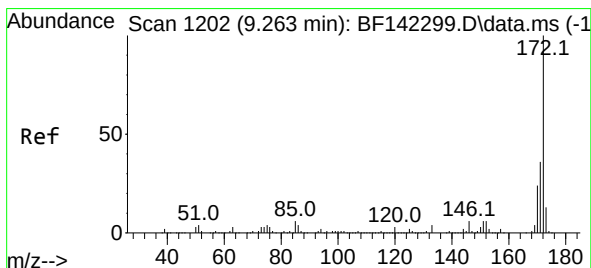
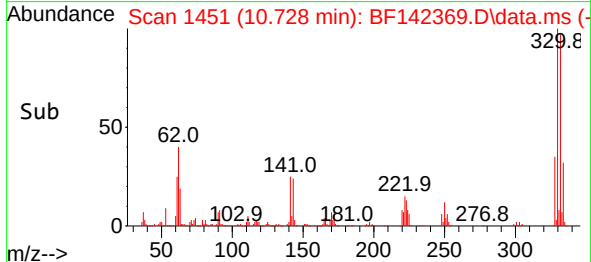
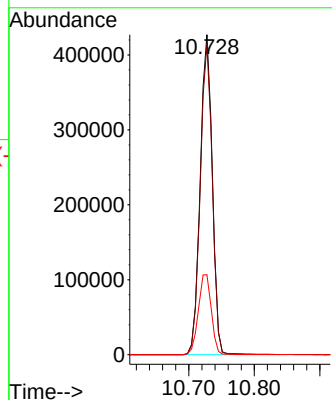
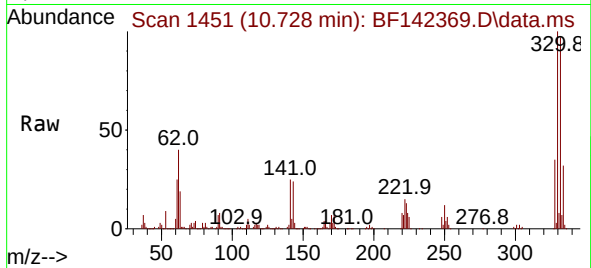




#42
2,4,6-Tribromophenol
Concen: 147.843 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

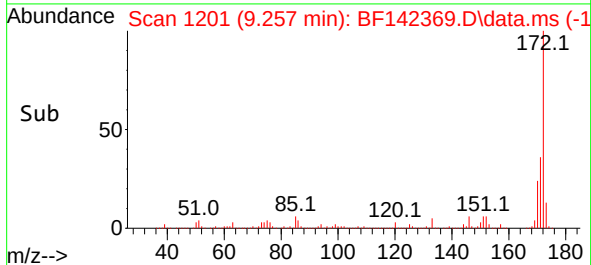
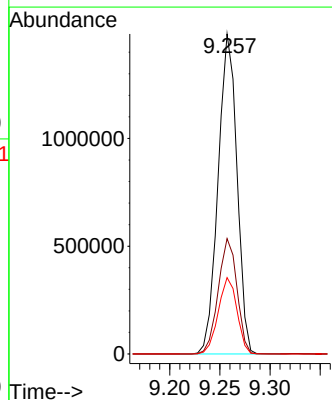
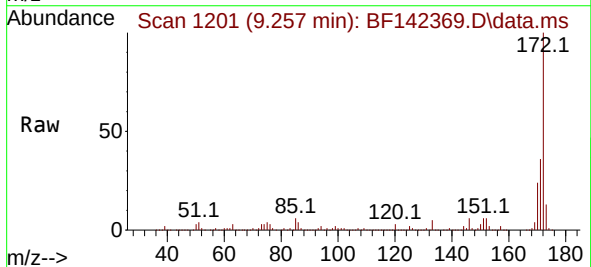
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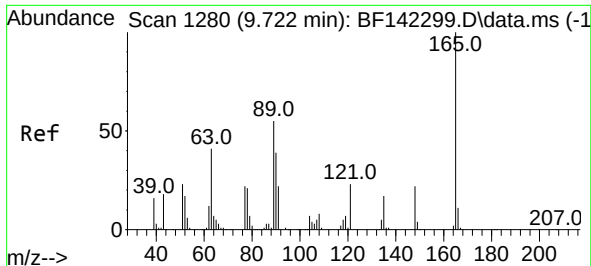
Tgt Ion:330 Resp: 548670
Ion Ratio Lower Upper
330 100
332 96.8 76.8 115.2
141 26.9 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 71.872 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

Tgt Ion:172 Resp: 1937509
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.8 19.0 28.4

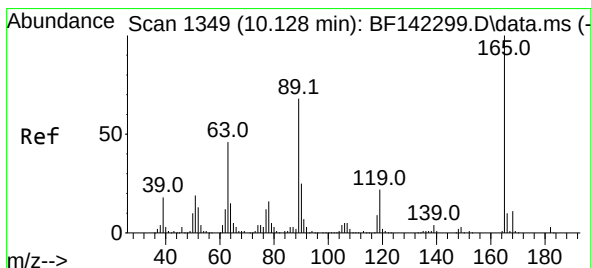
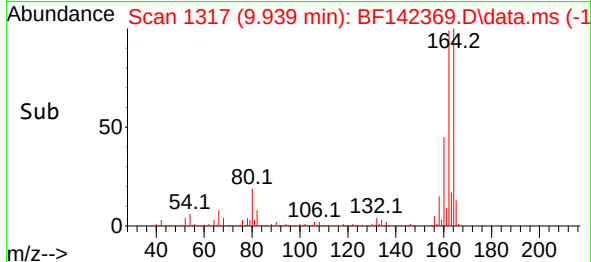
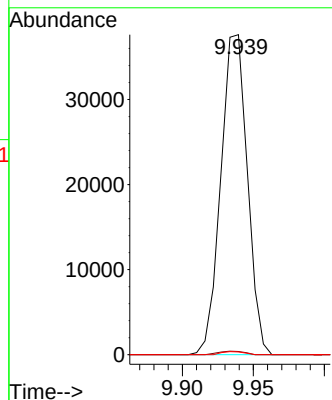
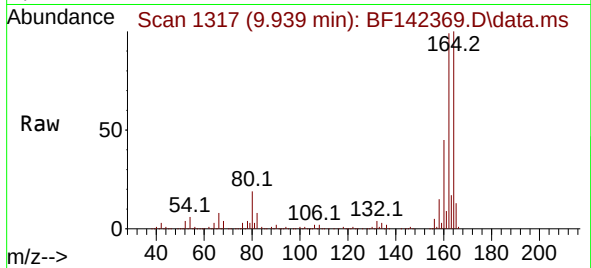




#51
2,6-Dinitrotoluene
Concen: 10.605 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

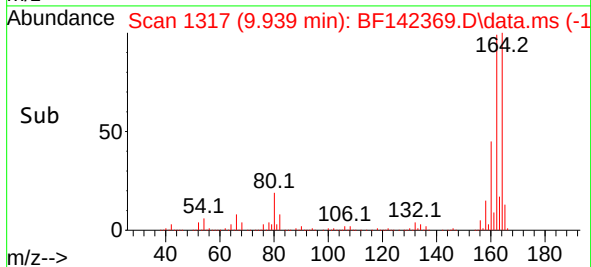
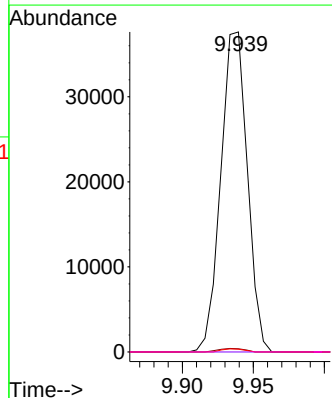
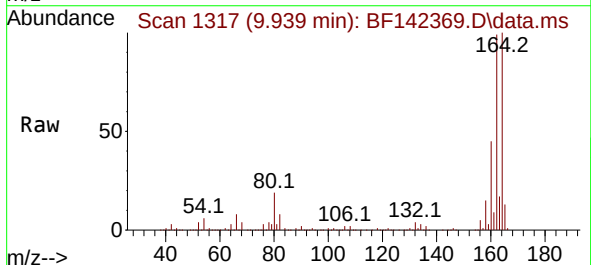
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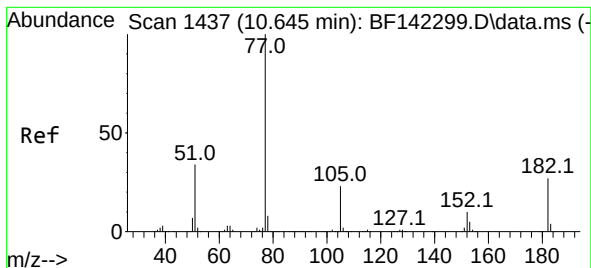
Tgt Ion:165 Resp: 48996
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 0.8 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.268 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

Tgt Ion:165 Resp: 48996
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 0.8 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.801 ng

RT: 10.651 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

Instrument :

BNA_F

ClientSampleId :

2811

Tgt Ion: 77 Resp: 65985

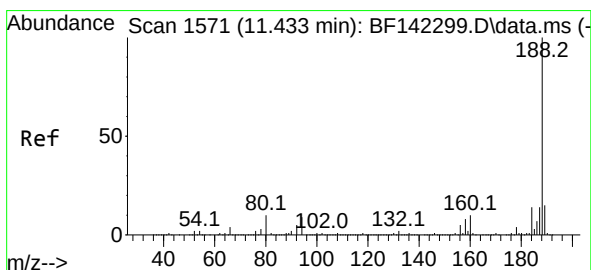
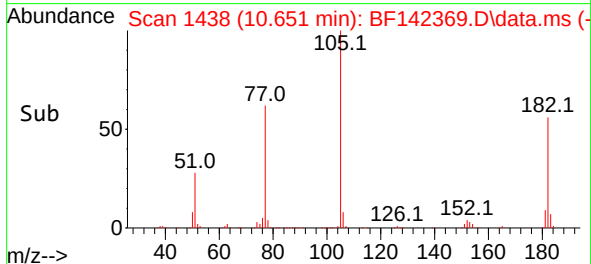
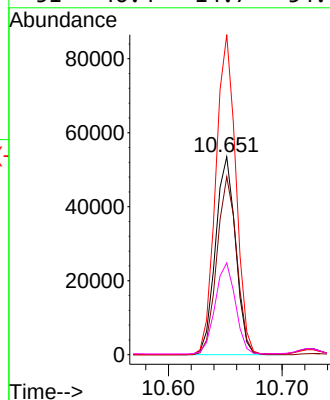
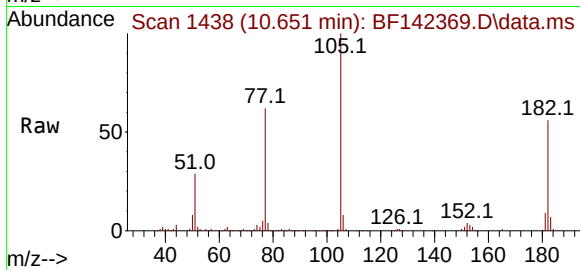
Ion Ratio Lower Upper

77 100

182 89.9 6.9 46.9#

105 161.7 2.7 42.7#

51 46.4 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

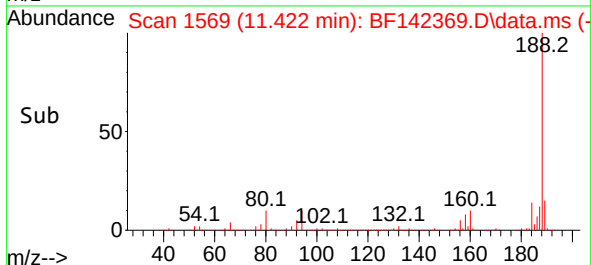
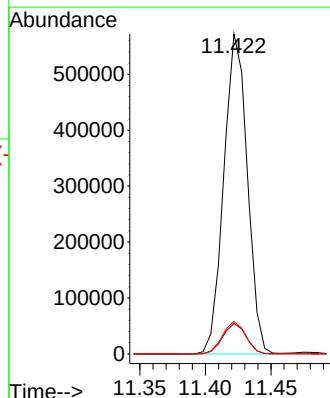
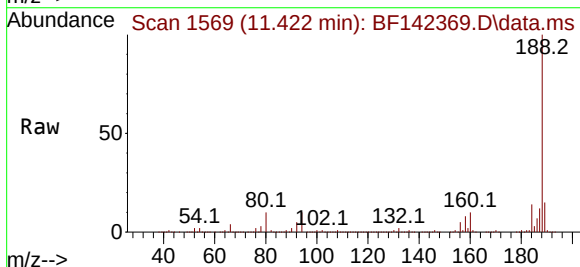
Tgt Ion:188 Resp: 713297

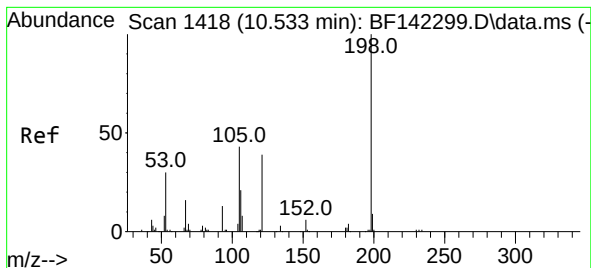
Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.2 7.9 11.9

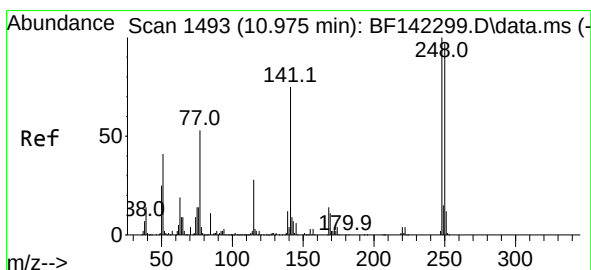
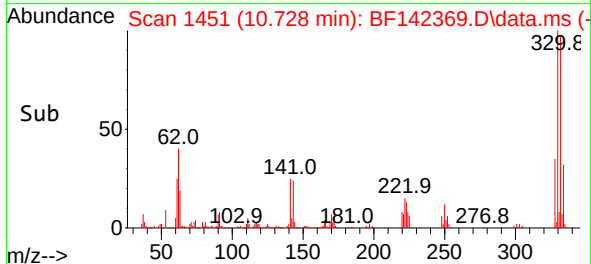
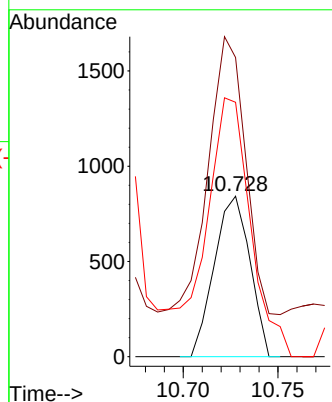
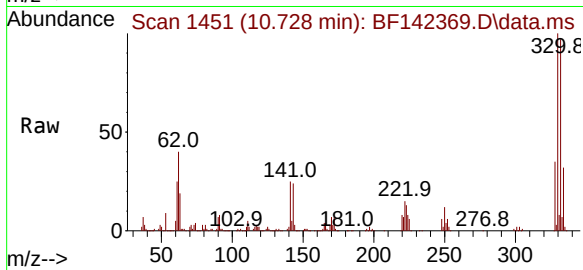




#65
4,6-Dinitro-2-methylphenol
Concen: 7.466 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

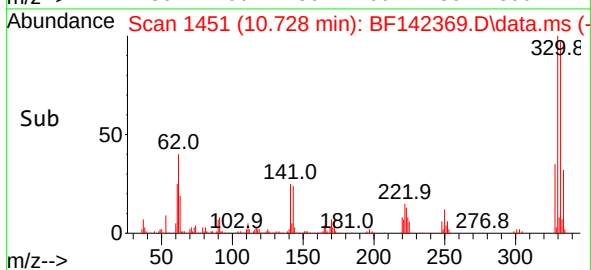
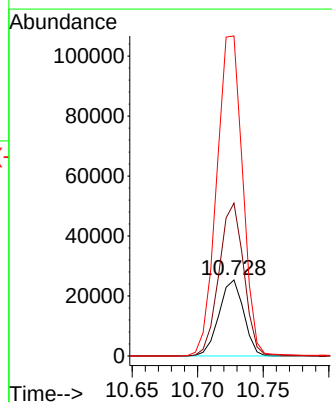
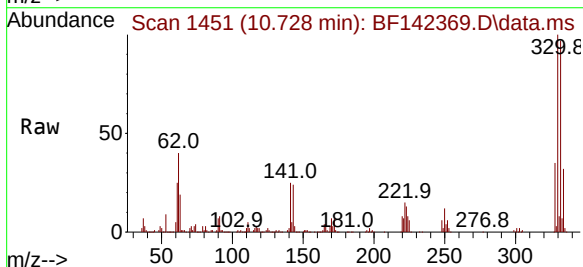
Instrument :
BNA_F
ClientSampleId :
2811

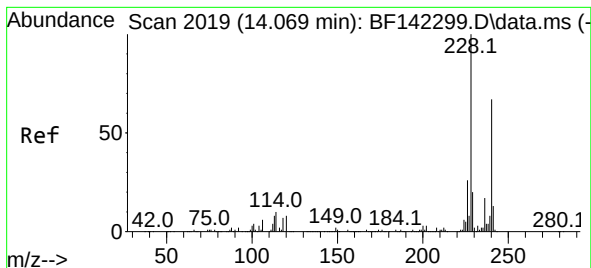
Tgt Ion:198 Resp: 1100
Ion Ratio Lower Upper
198 100
51 186.4 32.9 72.9#
105 158.5 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 4.099 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142369.D
Acq: 14 May 2025 16:46

Tgt Ion:248 Resp: 33139
Ion Ratio Lower Upper
248 100
250 200.9 77.9 116.9#
141 421.0 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

Instrument :

BNA_F

ClientSampleId :

2811

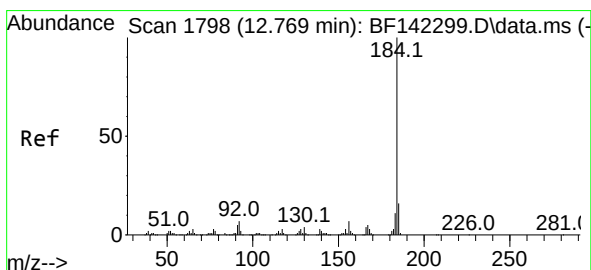
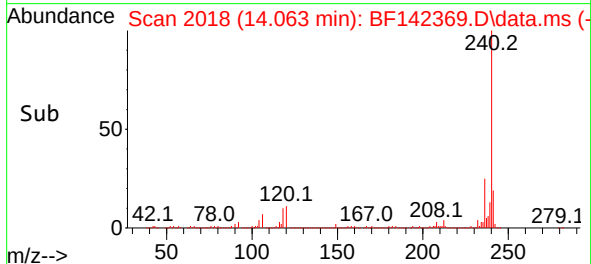
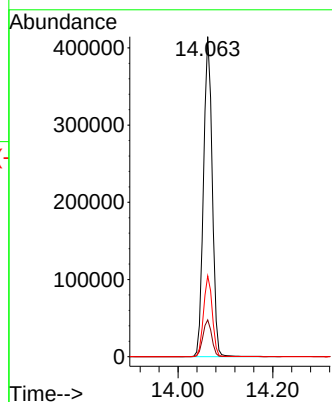
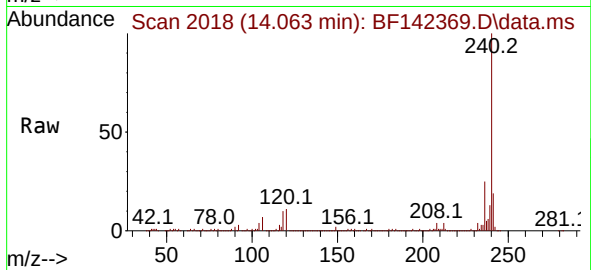
Tgt Ion:240 Resp: 528731

Ion Ratio Lower Upper

240 100

120 11.5 9.7 14.5

236 25.3 20.0 30.0



#77

Benzidine

Concen: 3.128 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

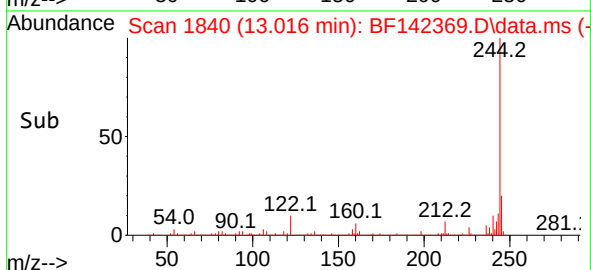
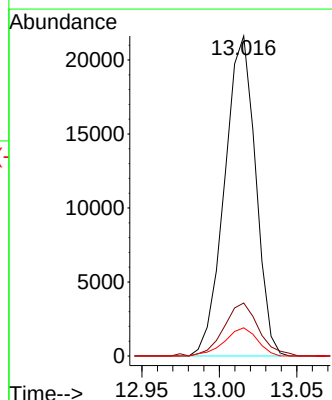
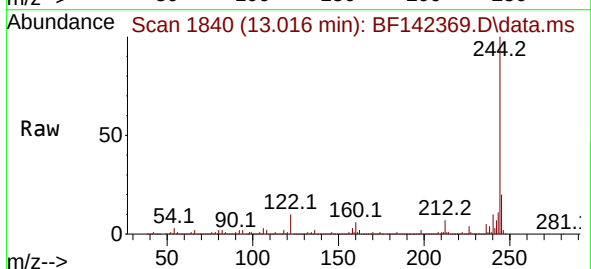
Tgt Ion:184 Resp: 30053

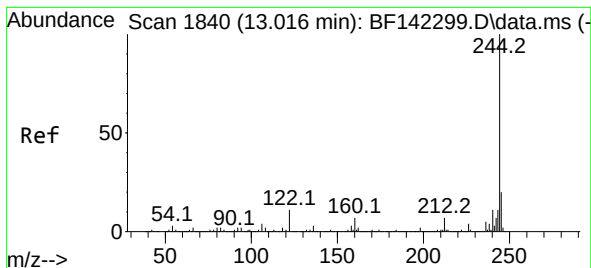
Ion Ratio Lower Upper

184 100

185 16.6 12.6 18.8

183 8.8 8.6 12.8





#79

Terphenyl-d14

Concen: 68.017 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

Instrument :

BNA_F

ClientSampleId :

2811

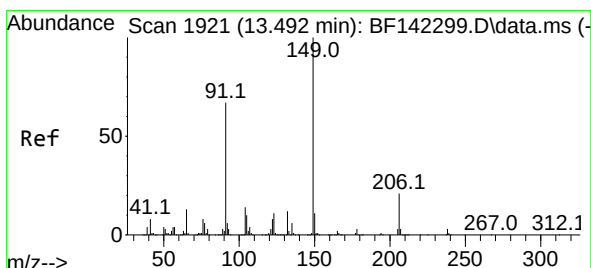
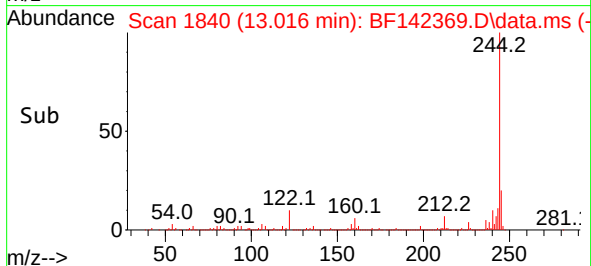
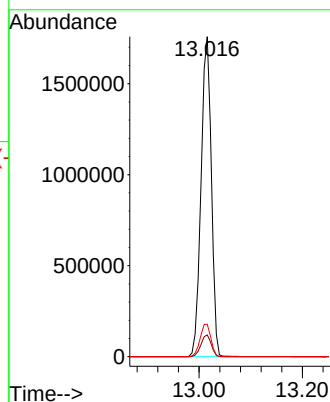
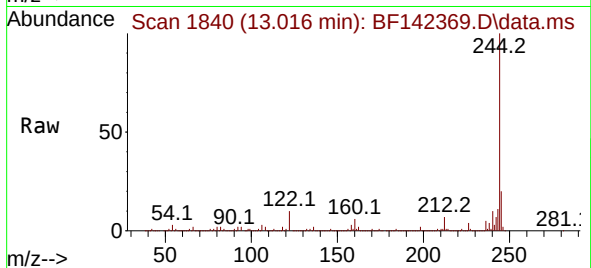
Tgt Ion:244 Resp: 2429733

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.2 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.685 ng

RT: 13.551 min Scan# 1931

Delta R.T. 0.059 min

Lab File: BF142369.D

Acq: 14 May 2025 16:46

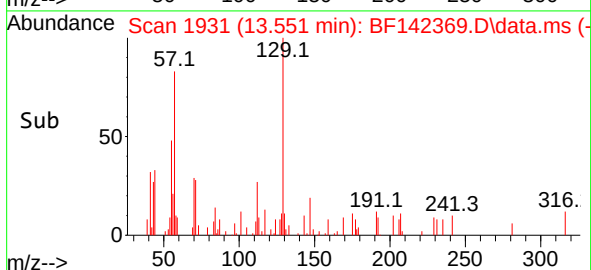
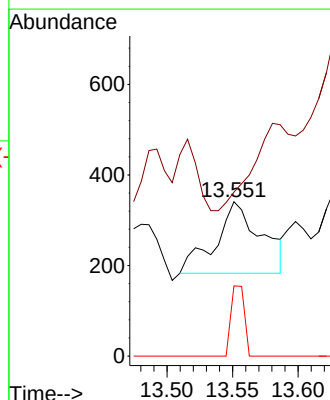
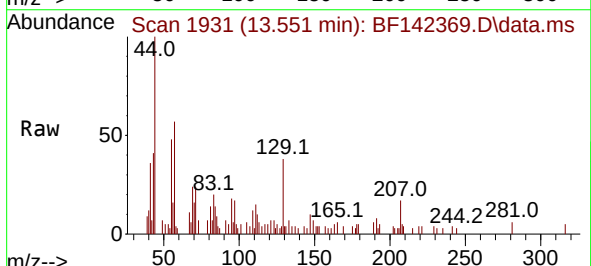
Tgt Ion:149 Resp: 379

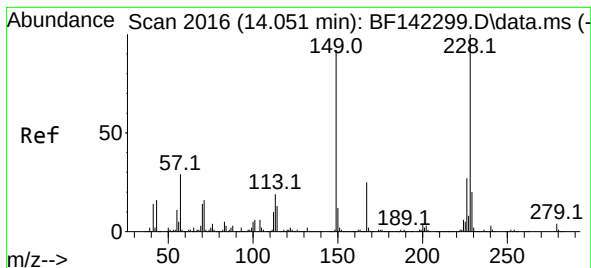
Ion Ratio Lower Upper

149 100

91 106.2 53.8 80.6#

206 45.5 16.6 24.8#

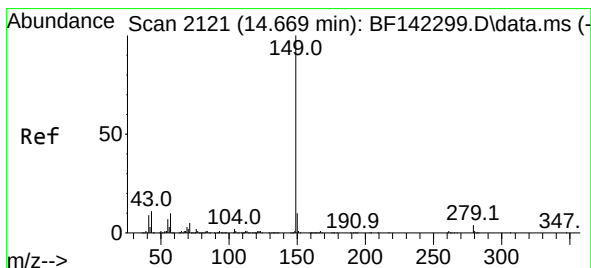
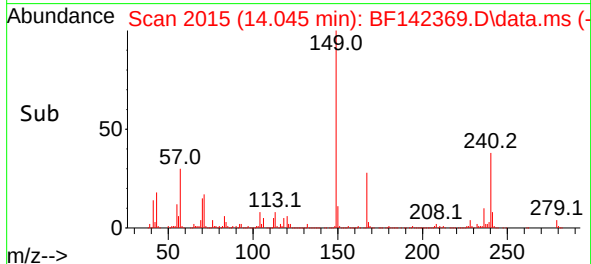
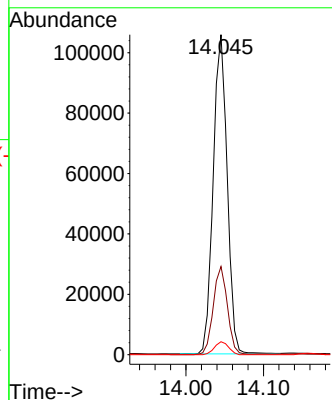
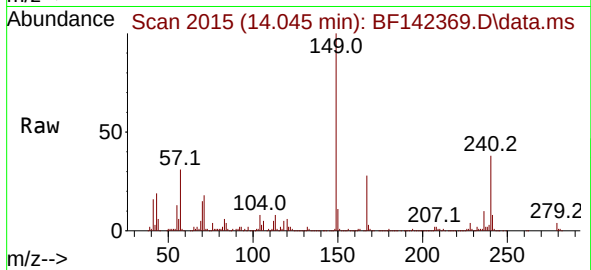




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.981 ng
 RT: 14.045 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF142369.D
 Acq: 14 May 2025 16:46

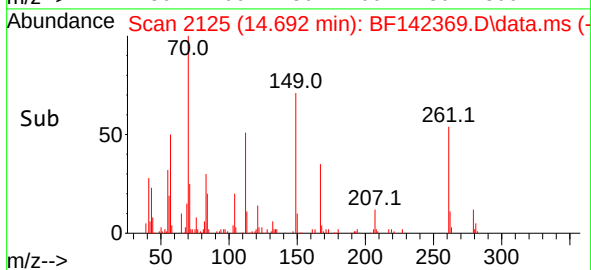
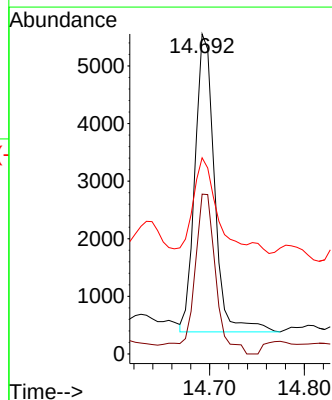
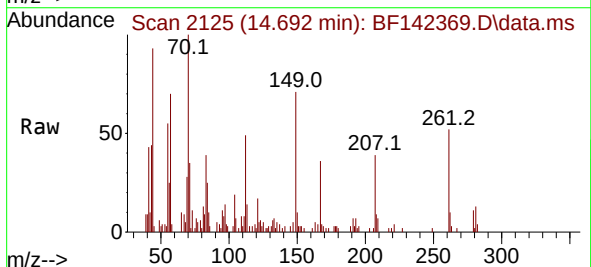
Instrument :
 BNA_F
 ClientSampleId :
 2811

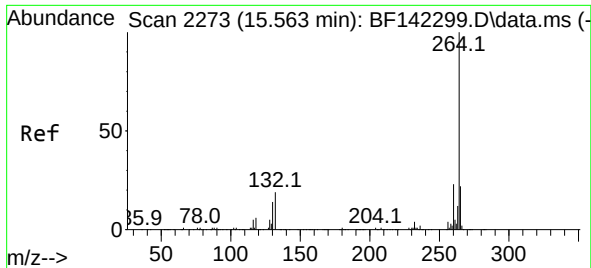
Tgt Ion:149 Resp: 132306
 Ion Ratio Lower Upper
 149 100
 167 27.5 22.0 33.0
 279 4.1 3.0 4.6



#85
 Di-n-octyl phthalate
 Concen: 8.033 ng
 RT: 14.692 min Scan# 2125
 Delta R.T. 0.023 min
 Lab File: BF142369.D
 Acq: 14 May 2025 16:46

Tgt Ion:149 Resp: 7435
 Ion Ratio Lower Upper
 149 100
 167 55.8 1.1 1.7#
 43 44.6 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142369.D
 Acq: 14 May 2025 16:46

Instrument :
 BNA_F
 ClientSampleId :
 2811

Tgt Ion:264 Resp: 447191
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.5 17.5 26.3

