

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142365.D
 Acq On : 14 May 2025 14:51
 Operator : RC/JU
 Sample : Q1982-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: May 14 15:32:52 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)

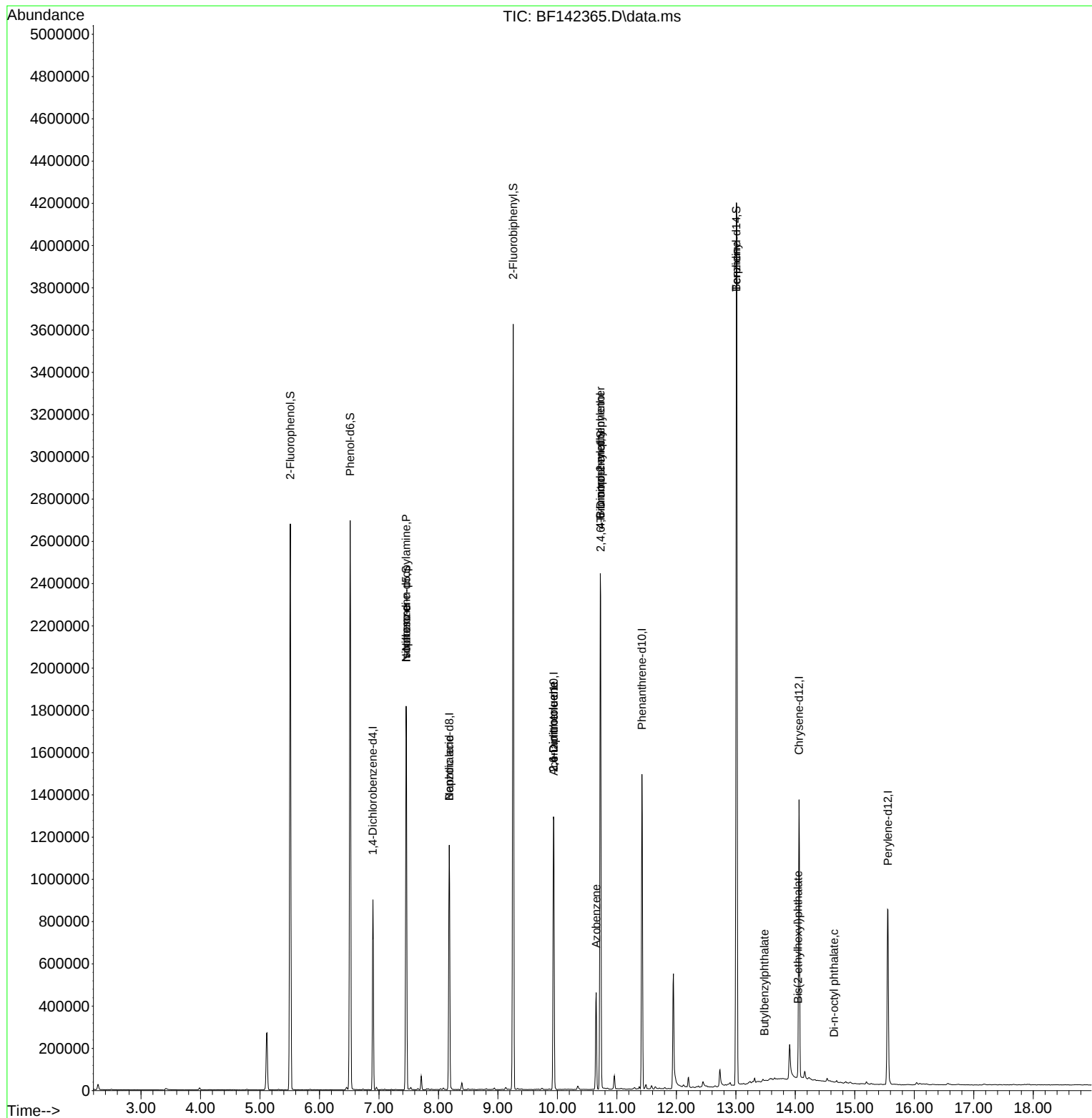
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	187393	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	720141	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	397265	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	760301	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	624905	20.000	ng	0.00
86) Perylene-d12	15.557	264	499846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1055907	96.189	ng	0.00
7) Phenol-d6	6.516	99	1309851	97.016	ng	0.00
23) Nitrobenzene-d5	7.457	82	770287	65.234	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	454333	118.454	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1617731	58.064	ng	0.00
79) Terphenyl-d14	13.010	244	2158643	51.128	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	102633	12.289	ng	# 78
25) Isophorone	7.457	82	763778	34.158	ng	# 62
32) Benzoic acid	8.181	122	54	6.024	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	51758	10.840	ng	# 23
57) 2,4-Dinitrotoluene	9.933	165	51758	8.450	ng	# 25
63) Azobenzene	10.651	77	110379	4.534	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	874	7.395	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	27496	3.191	ng	# 1
77) Benzidine	13.010	184	25809	2.273	ng	# 96
80) Butylbenzylphthalate	13.480	149	203	3.671	ng	# 42
84) Bis(2-ethylhexyl)phtha...	14.045	149	6731	4.527	ng	97
85) Di-n-octyl phthalate	14.651	149	100	7.842	ng	# 73

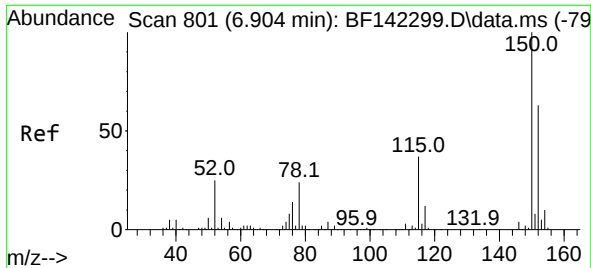
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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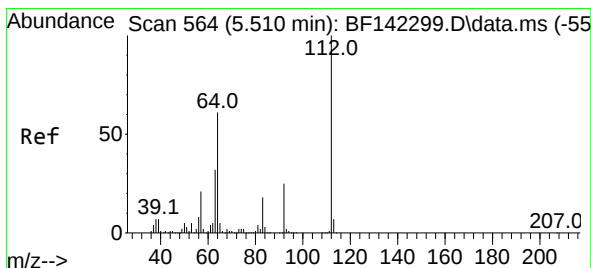
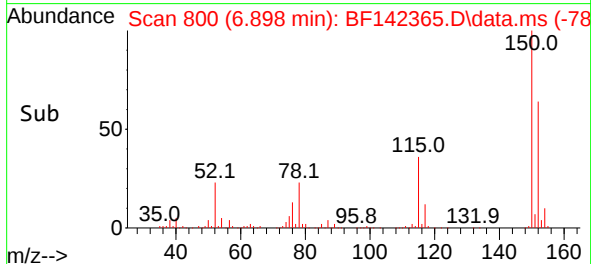
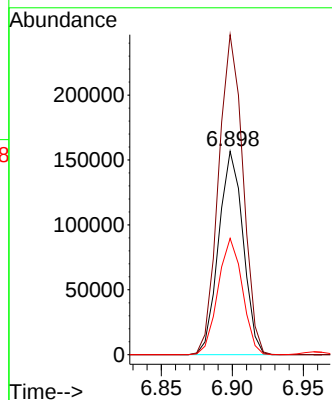
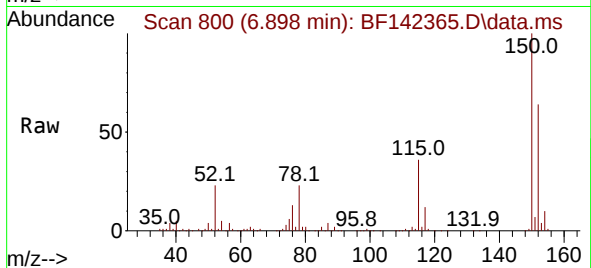




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

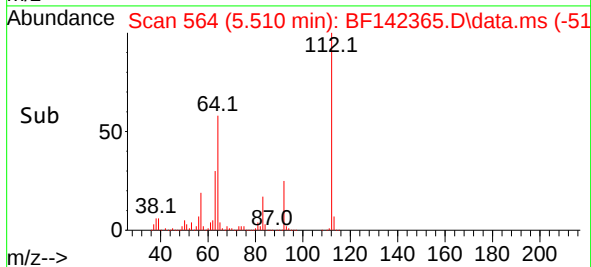
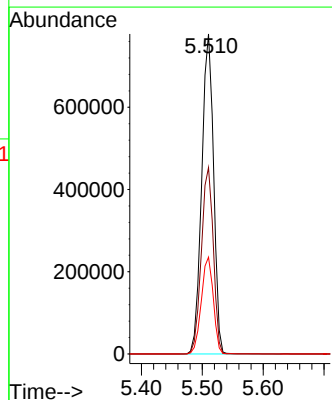
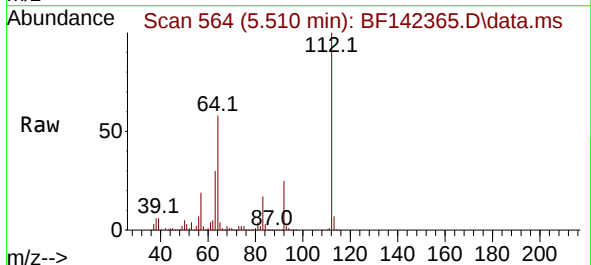
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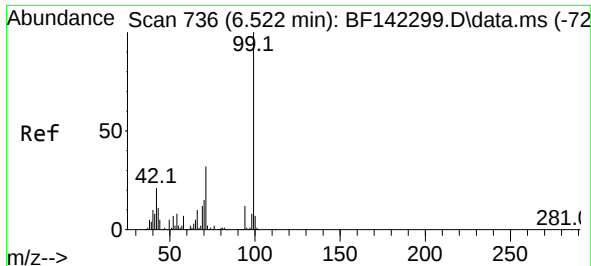
Tgt Ion:152 Resp: 187393
Ion Ratio Lower Upper
152 100
150 157.4 126.6 190.0
115 57.2 47.3 70.9



#5
2-Fluorophenol
Concen: 96.189 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:112 Resp: 1055907
Ion Ratio Lower Upper
112 100
64 58.3 48.9 73.3
63 30.2 25.6 38.4

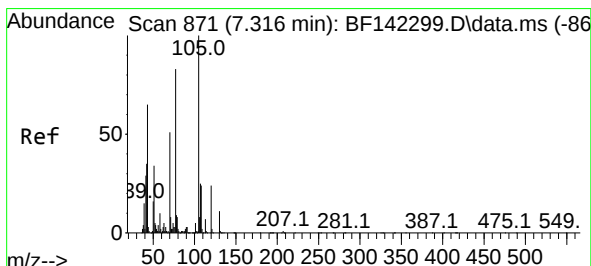
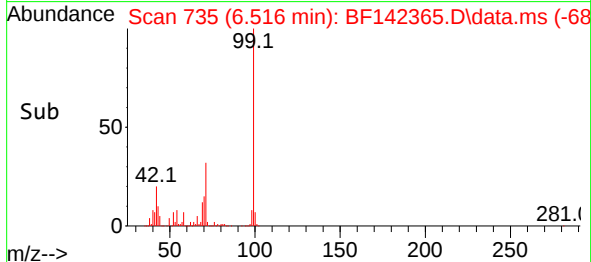
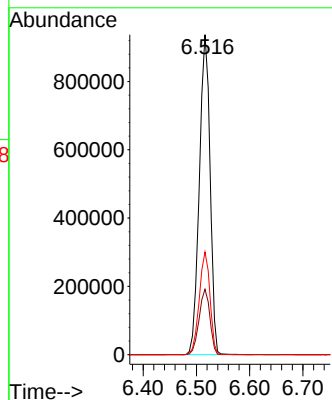
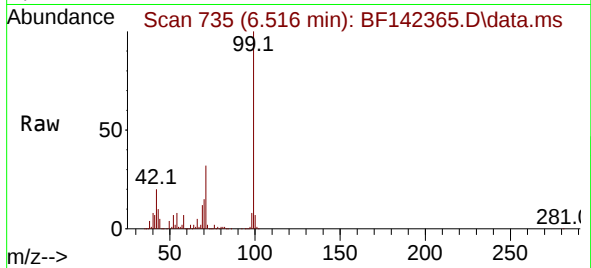




#7
Phenol-d6
Concen: 97.016 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

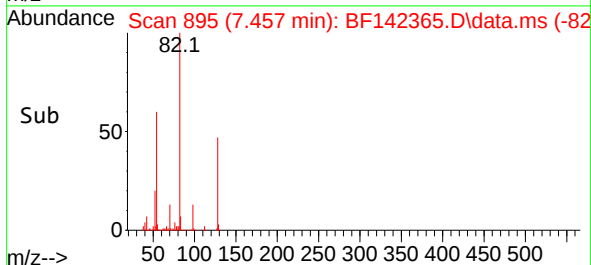
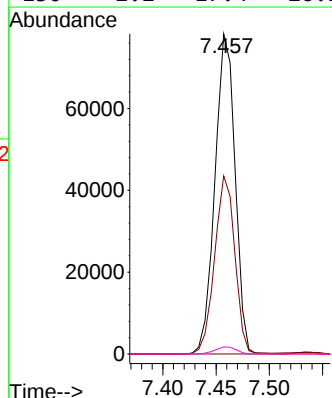
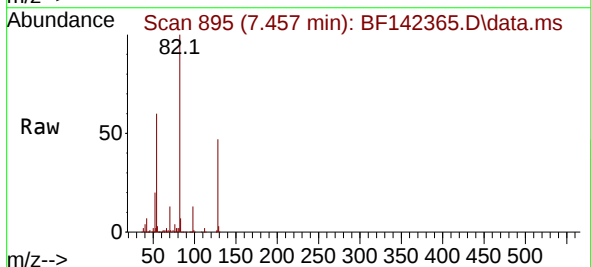
Instrument :
BNA_F
ClientSampleId :
TP-3

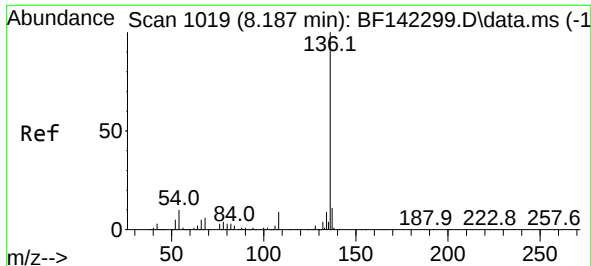
Tgt Ion: 99 Resp: 1309851
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.4
71 32.1 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.289 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion: 70 Resp: 102633
Ion Ratio Lower Upper
70 100
42 55.6 54.8 82.2
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#

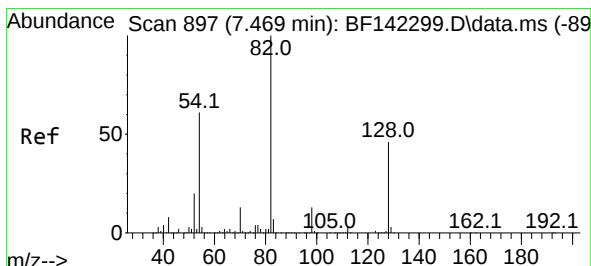
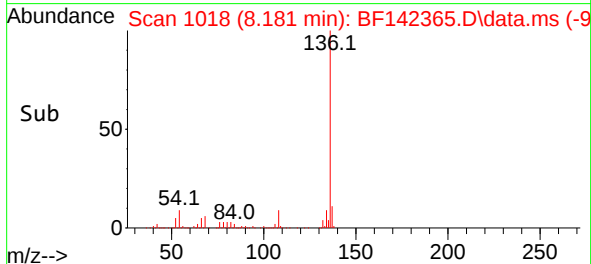
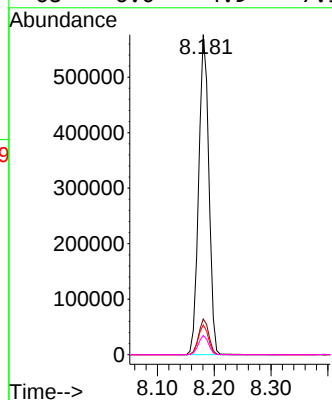
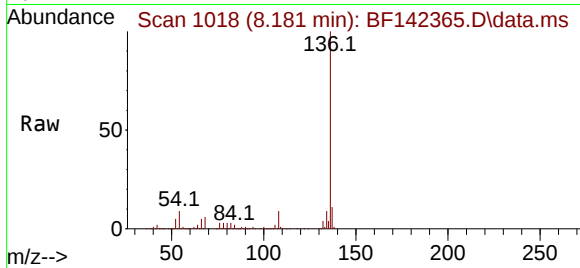




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

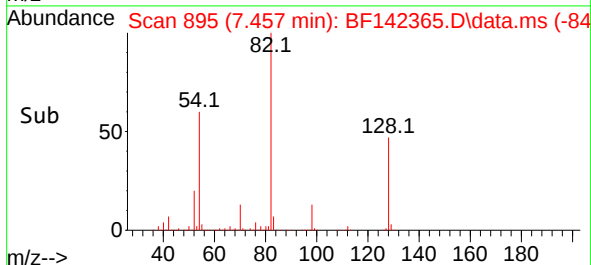
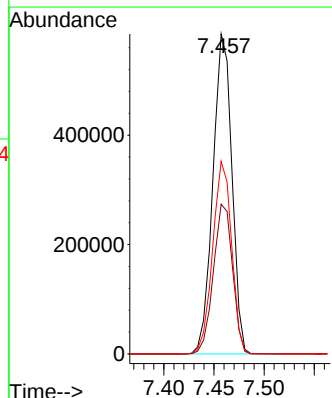
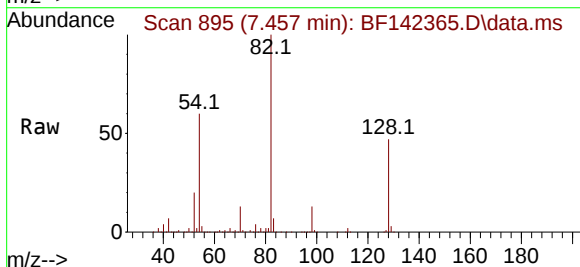
Instrument :
BNA_F
ClientSampleId :
TP-3

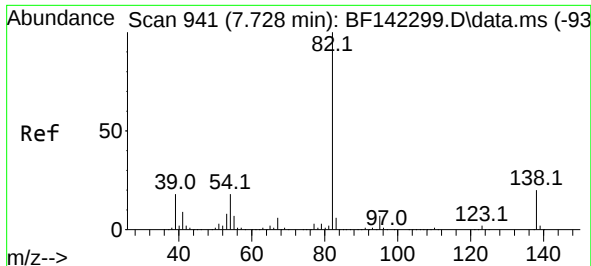
Tgt Ion:	136	Resp:	720141
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.3	7.7	11.5
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 65.234 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:	82	Resp:	770287
Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.0	55.6
54	60.2	48.6	73.0

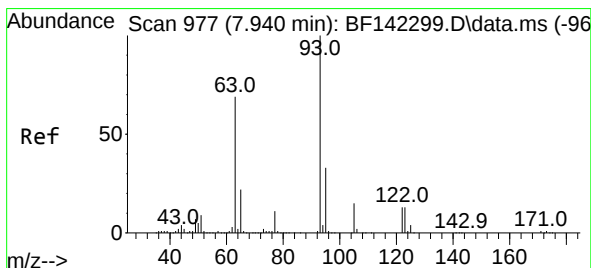
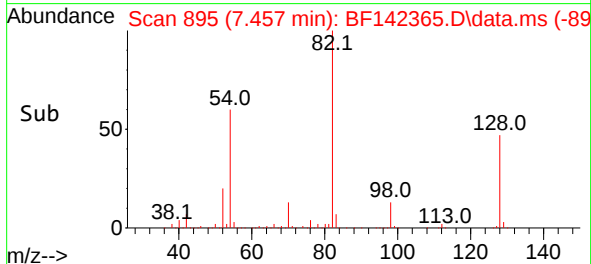
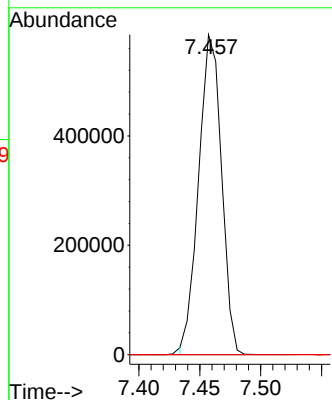
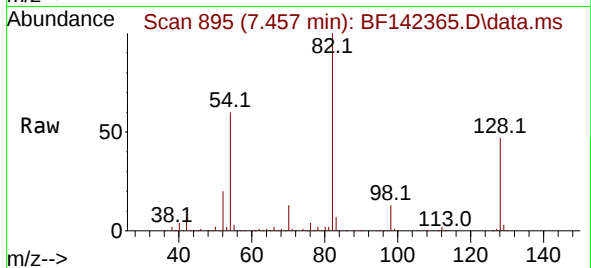




#25
Isophorone
Concen: 34.158 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

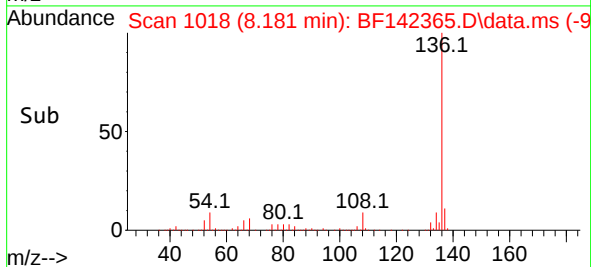
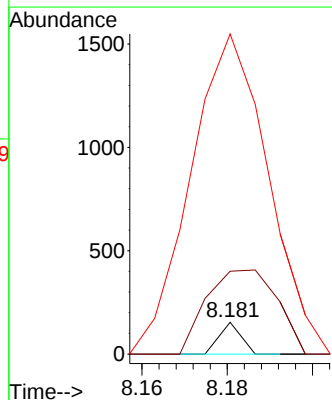
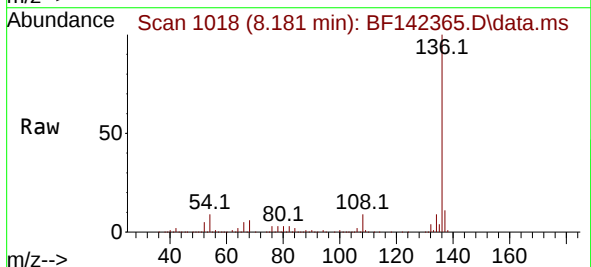
Instrument :
BNA_F
ClientSampleId :
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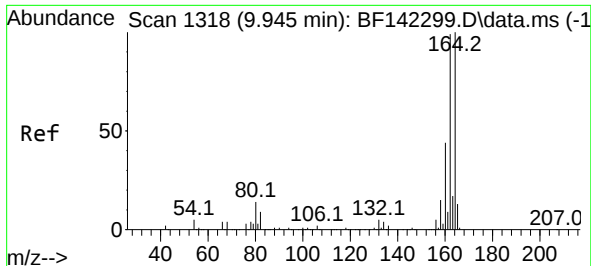
Tgt Ion: 82 Resp: 763778
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.024 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.241 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 260.4 97.9 137.9#
77 1005.8 67.7 107.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

TP-3

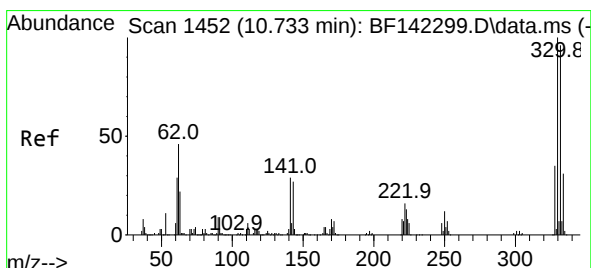
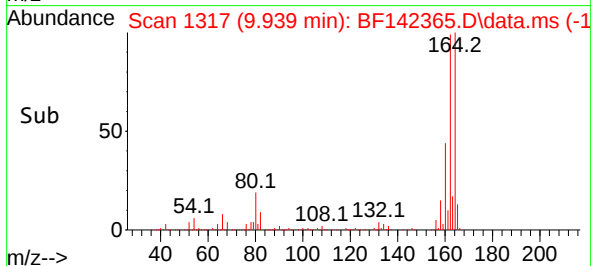
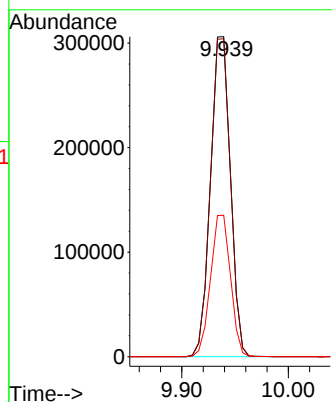
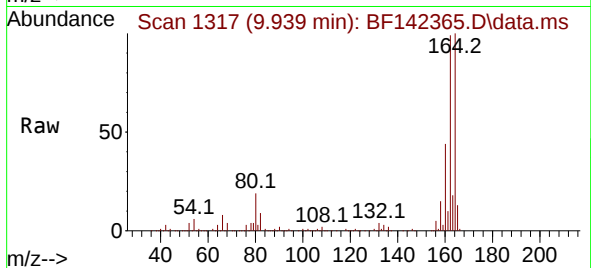
Tgt Ion:164 Resp: 397265

Ion Ratio Lower Upper

164 100

162 99.4 79.2 118.8

160 44.2 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 118.454 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

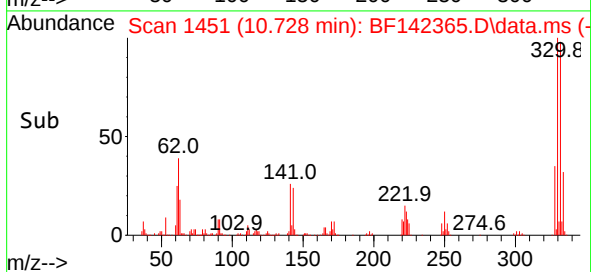
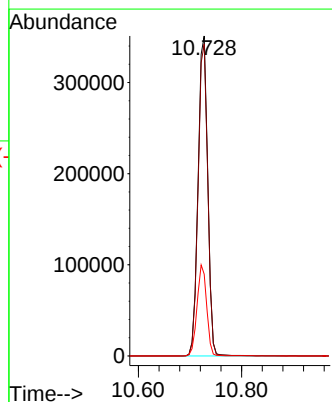
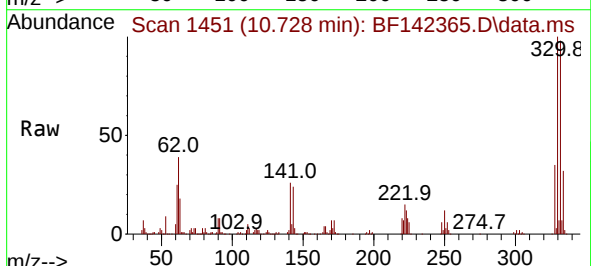
Tgt Ion:330 Resp: 454333

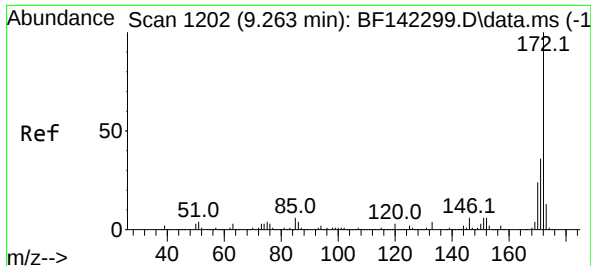
Ion Ratio Lower Upper

330 100

332 97.5 76.8 115.2

141 28.3 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 58.064 ng

RT: 9.257 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

TP-3

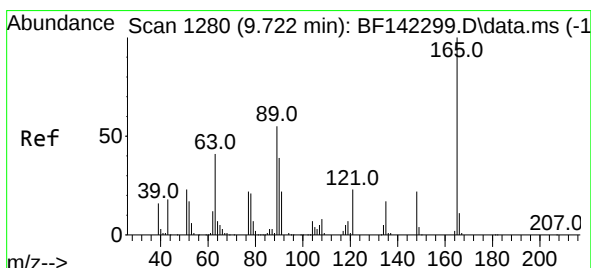
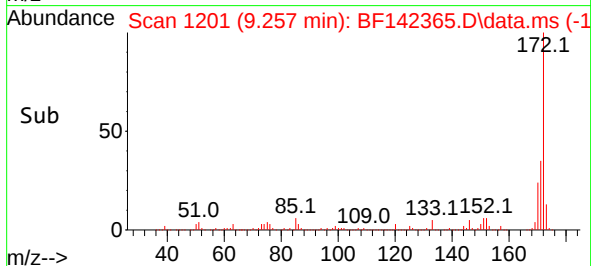
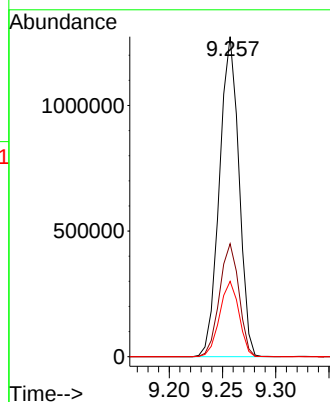
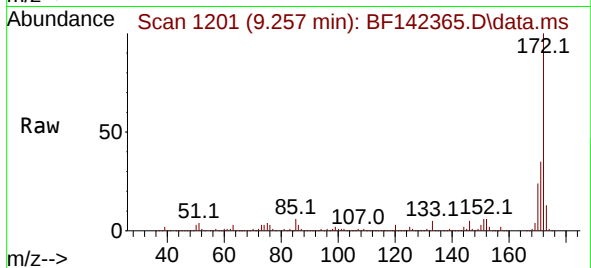
Tgt Ion:172 Resp: 1617731

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.5 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.840 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

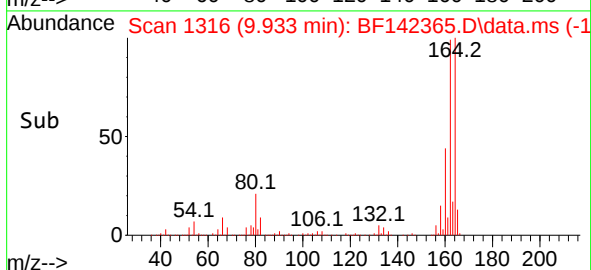
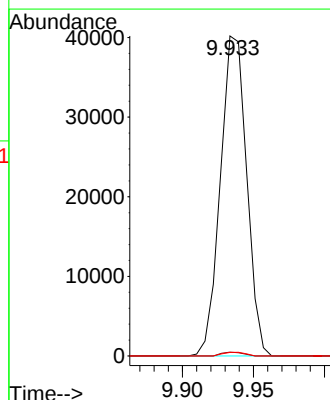
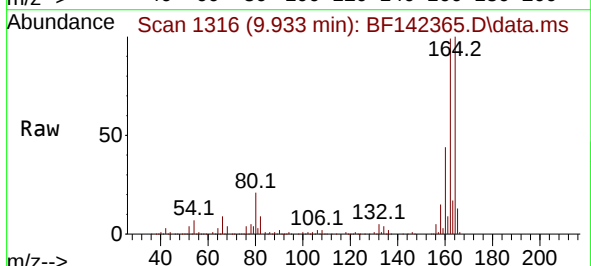
Tgt Ion:165 Resp: 51758

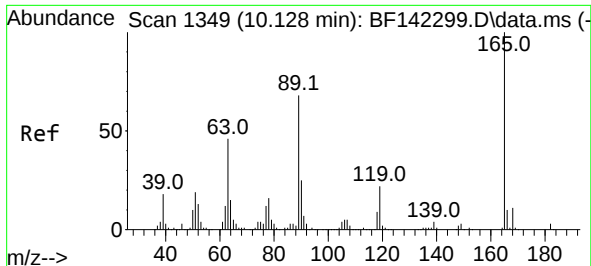
Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.1 44.6 66.8#

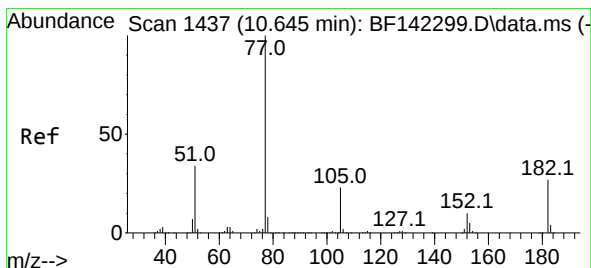
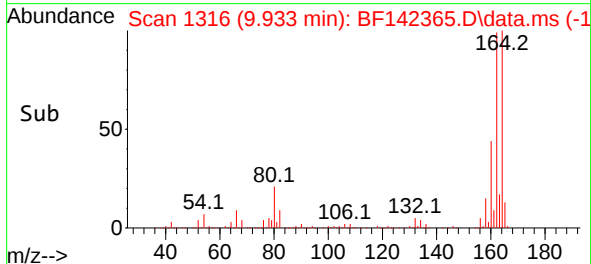
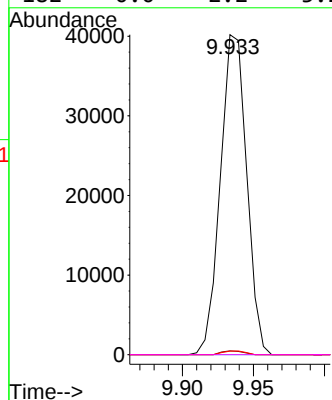
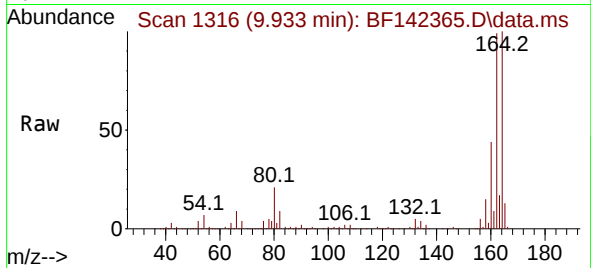




#57
2,4-Dinitrotoluene
Concen: 8.450 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

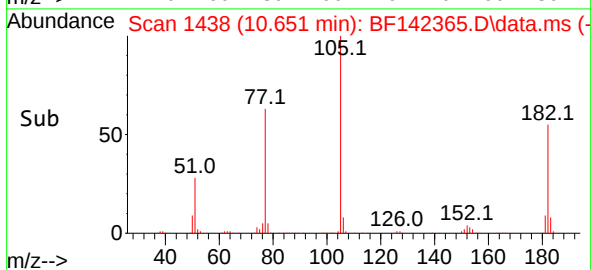
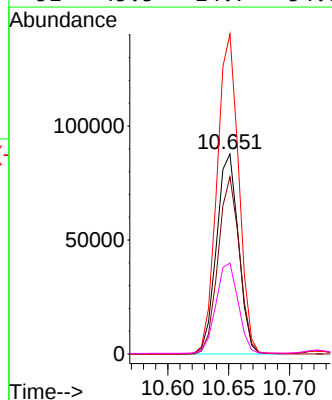
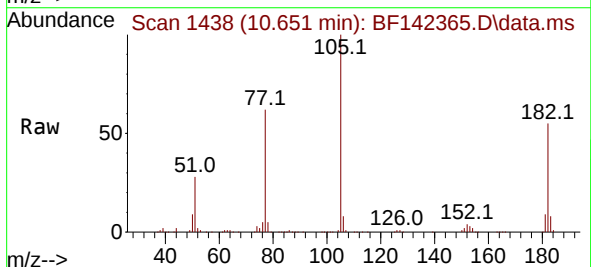
Instrument :
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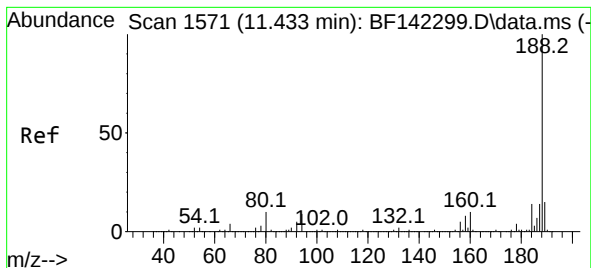
Tgt Ion:165 Resp: 51758
Ion Ratio Lower Upper
165 100
63 1.2 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.534 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion: 77 Resp: 110379
Ion Ratio Lower Upper
77 100
182 88.6 6.9 46.9#
105 160.1 2.7 42.7#
51 45.5 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

TP-3

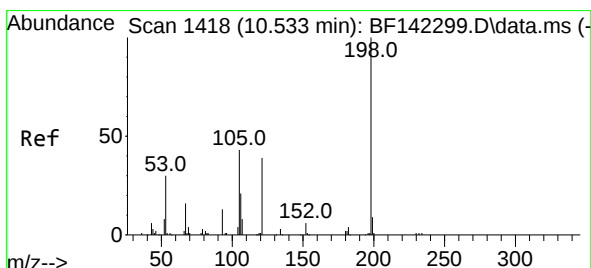
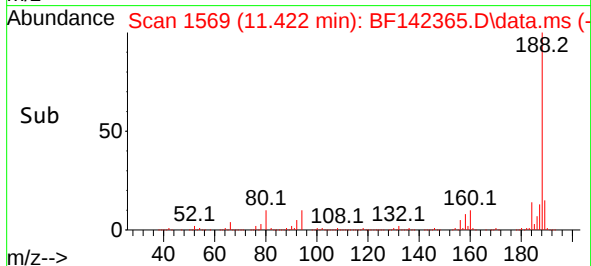
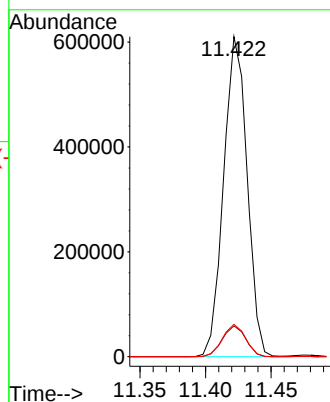
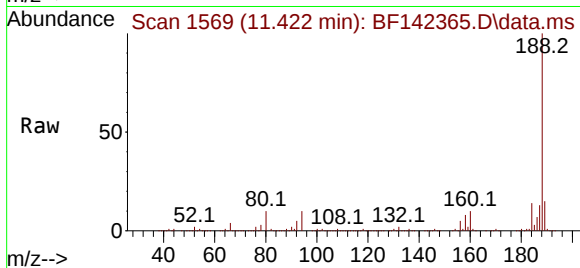
Tgt Ion:188 Resp: 760301

Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

80 10.1 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.395 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.189 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

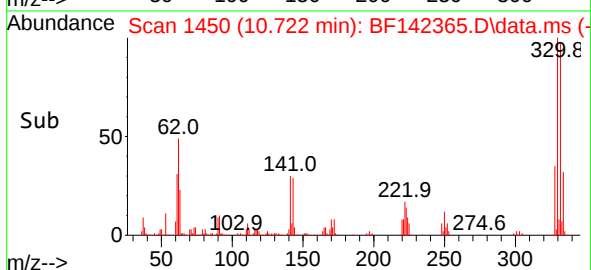
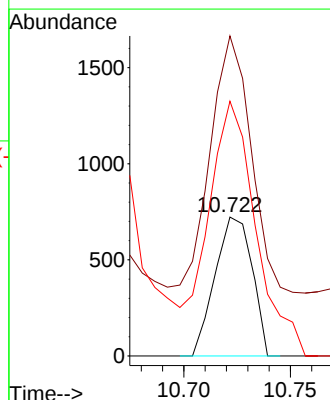
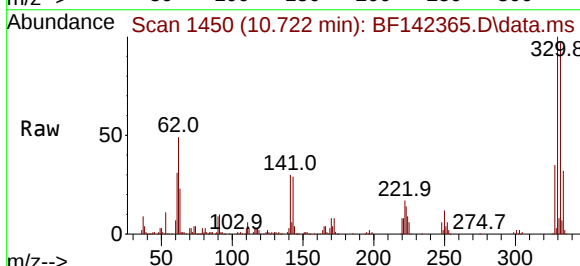
Tgt Ion:198 Resp: 874

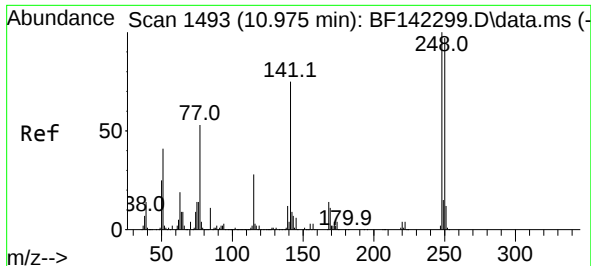
Ion Ratio Lower Upper

198 100

51 230.3 32.9 72.9#

105 183.3 23.7 63.7#





#67

4-Bromophenyl-phenylether

Concen: 3.191 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

TP-3

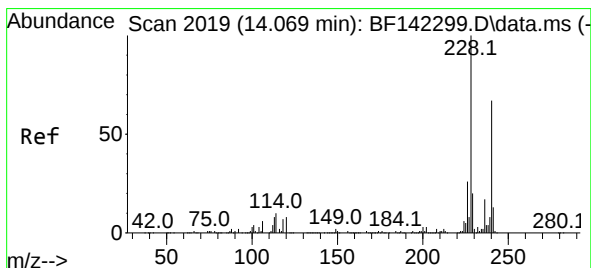
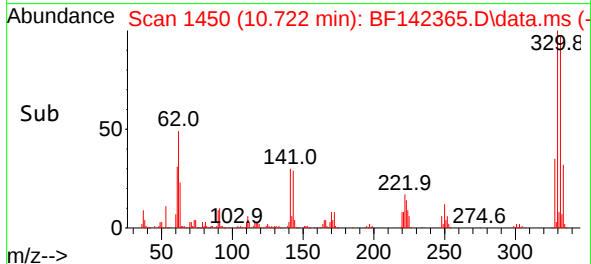
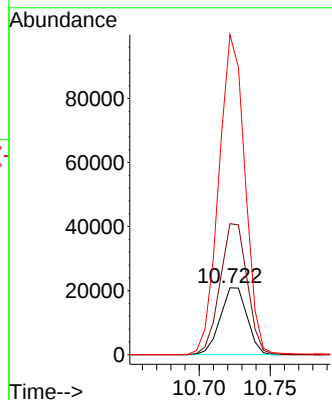
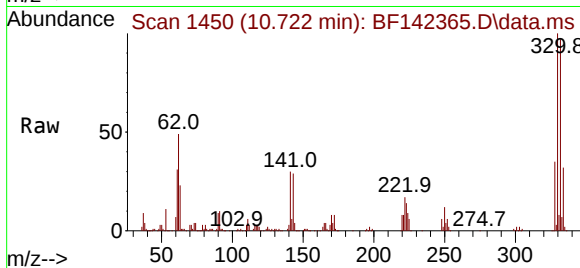
Tgt Ion:248 Resp: 27496

Ion Ratio Lower Upper

248 100

250 195.7 77.9 116.9#

141 478.0 59.8 89.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

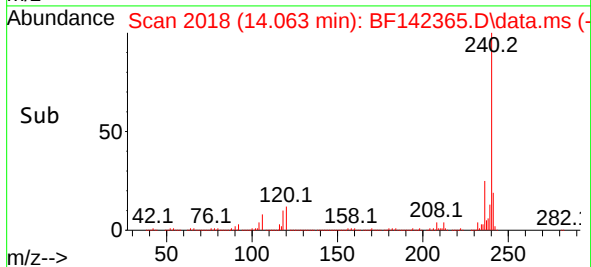
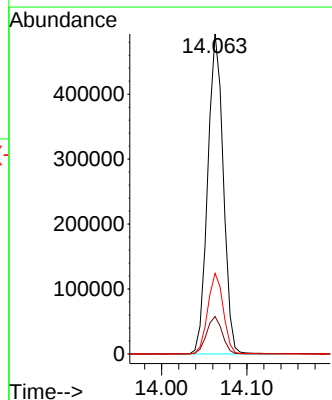
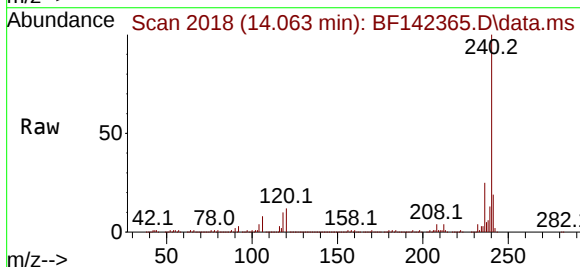
Tgt Ion:240 Resp: 624905

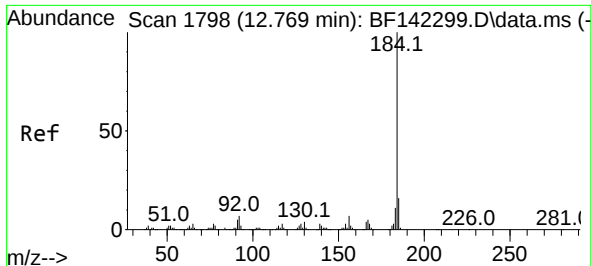
Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

236 25.2 20.0 30.0

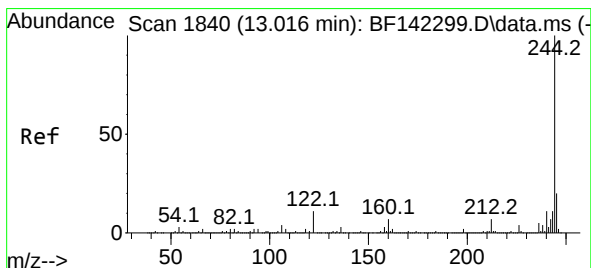
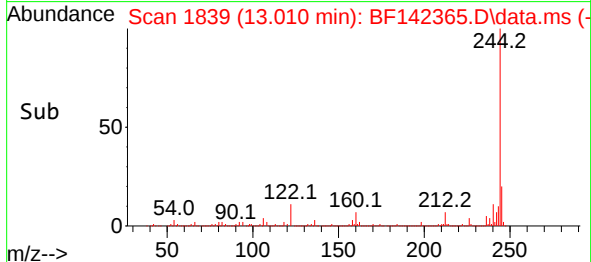
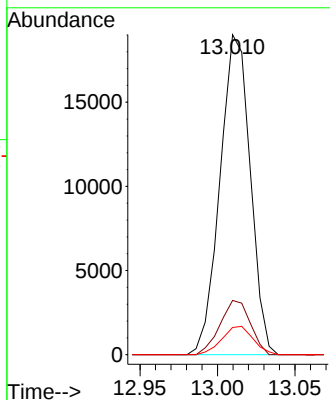
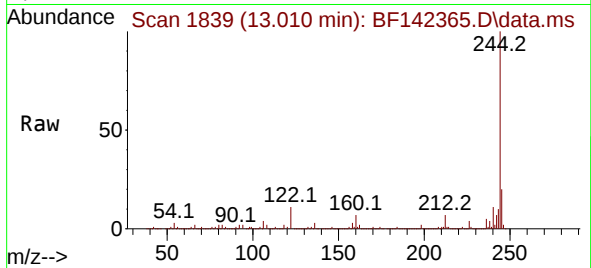




#77
Benzidine
Concen: 2.273 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

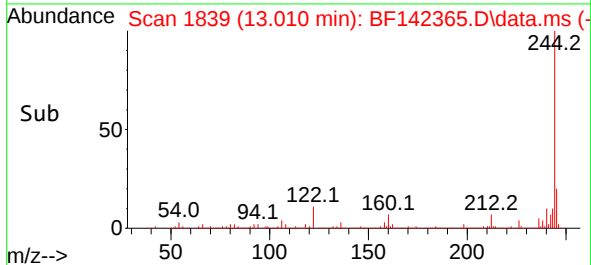
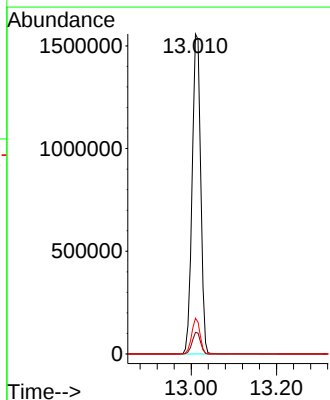
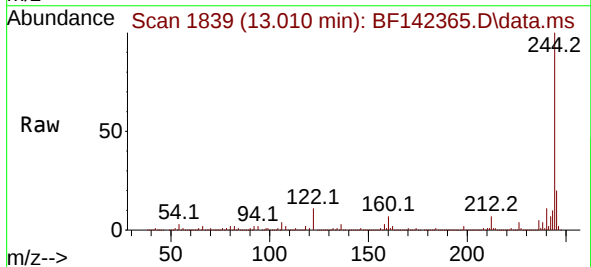
Instrument :
BNA_F
ClientSampleId :
TP-3

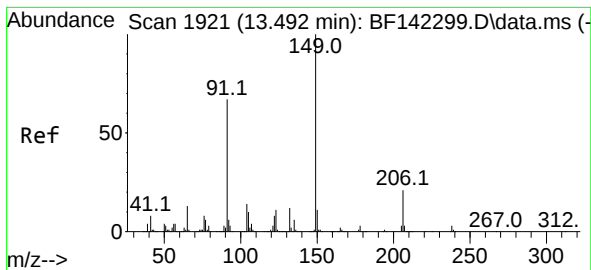
Tgt Ion:184 Resp: 25809
Ion Ratio Lower Upper
184 100
185 17.0 12.6 18.8
183 8.5 8.6 12.8#



#79
Terphenyl-d14
Concen: 51.128 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142365.D
Acq: 14 May 2025 14:51

Tgt Ion:244 Resp: 2158643
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 11.2 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.671 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

TP-3

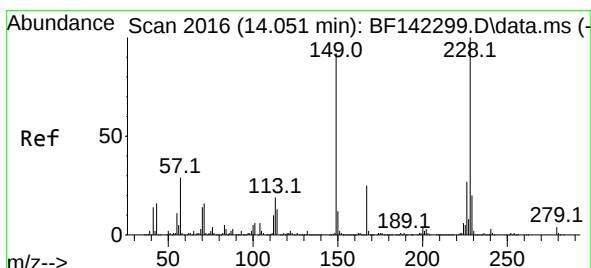
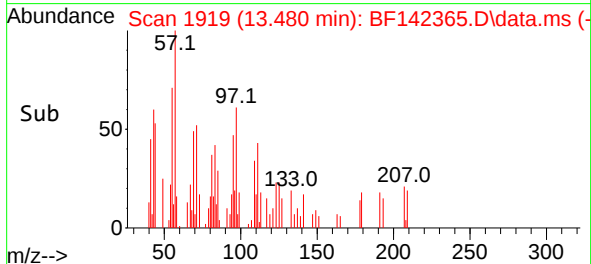
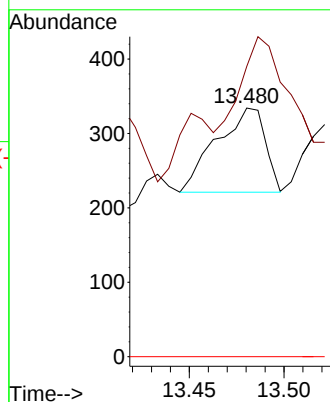
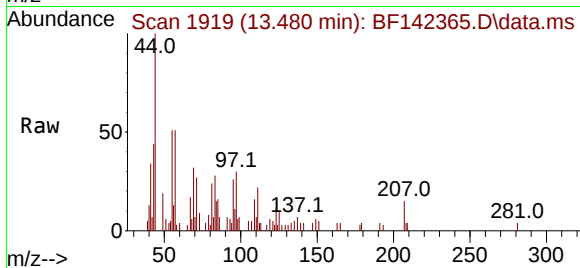
Tgt Ion:149 Resp: 203

Ion Ratio Lower Upper

149 100

91 116.8 53.8 80.6#

206 0.0 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.527 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

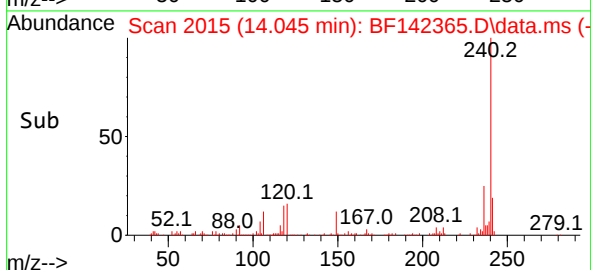
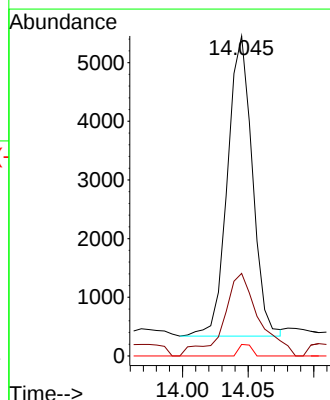
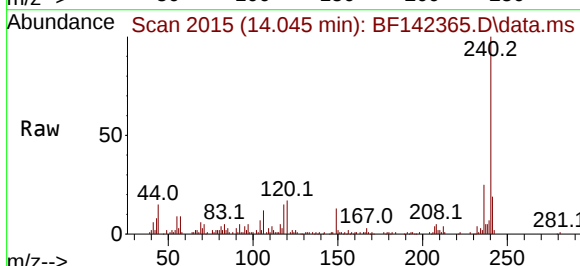
Tgt Ion:149 Resp: 6731

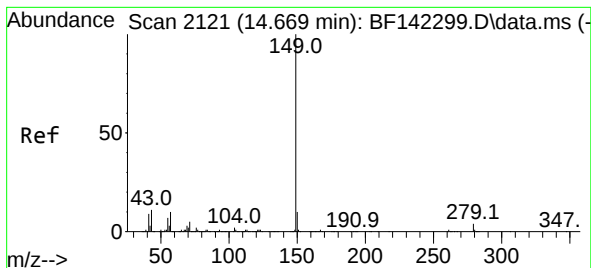
Ion Ratio Lower Upper

149 100

167 25.8 22.0 33.0

279 3.6 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.842 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Instrument :

BNA_F

ClientSampleId :

TP-3

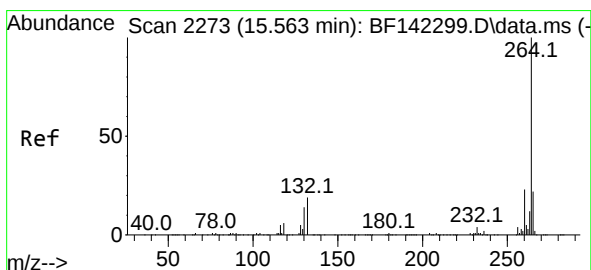
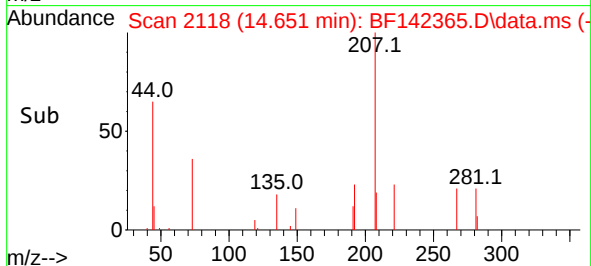
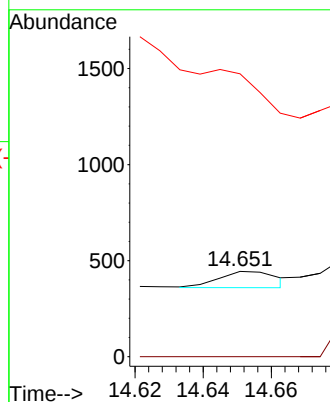
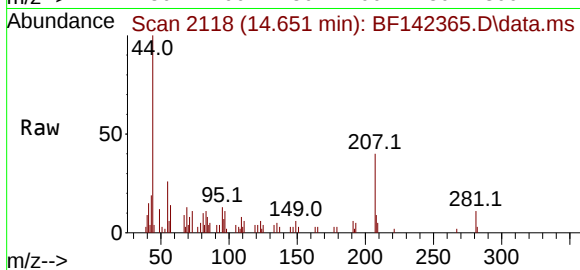
Tgt Ion:149 Resp: 100

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142365.D

Acq: 14 May 2025 14:51

Tgt Ion:264 Resp: 499846

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.4 17.5 26.3

