

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142370.D
 Acq On : 14 May 2025 17:15
 Operator : RC/JU
 Sample : Q2017-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-I

Quant Time: May 14 17:38:10 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)

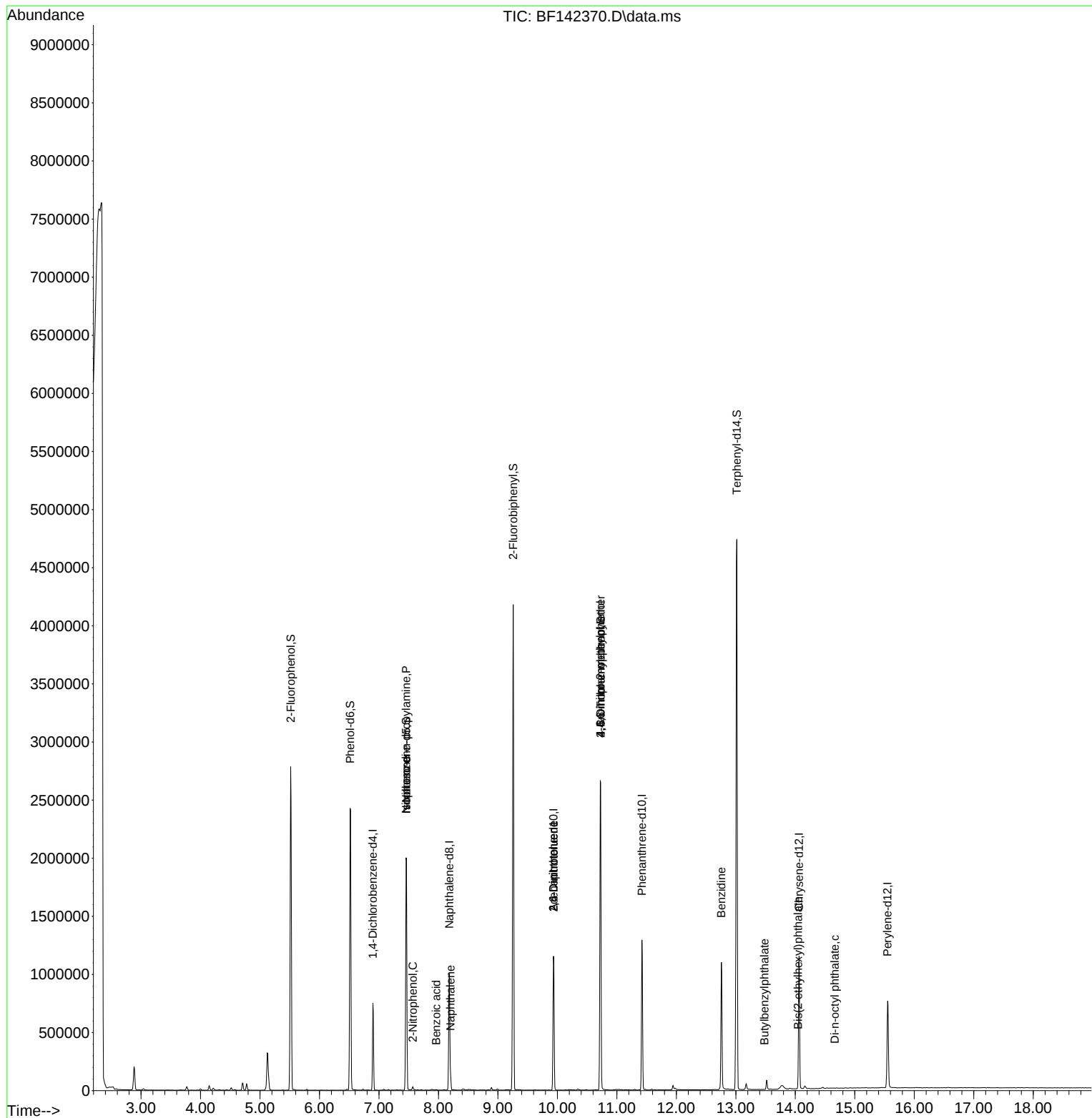
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	162519	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	618413	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	347969	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	671296	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	550765	20.000	ng	0.00
86) Perylene-d12	15.551	264	450933	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1088390	114.323	ng	0.00
7) Phenol-d6	6.516	99	1209517	103.296	ng	0.00
23) Nitrobenzene-d5	7.457	82	883208	87.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	522917	155.650	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1887150	77.330	ng	0.00
79) Terphenyl-d14	13.016	244	2503455	67.277	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	119211	16.459	ng	# 77
25) Isophorone	7.457	82	876886	45.667	ng	# 62
26) 2-Nitrophenol	7.569	139	187	4.125	ng	# 36
31) Naphthalene	8.204	128	73705	2.459	ng	98
32) Benzoic acid	7.963	122	437	6.101	ng	# 56
51) 2,6-Dinitrotoluene	9.933	165	45443	10.865	ng	# 23
57) 2,4-Dinitrotoluene	9.933	165	45443	8.470	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.722	198	995	7.455	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	31140	4.093	ng	# 1
77) Benzidine	12.757	184	605285	60.474	ng	98
80) Butylbenzylphthalate	13.480	149	203	3.672	ng	# 42
84) Bis(2-ethylhexyl)phtha...	14.045	149	2085	4.339	ng	# 96
85) Di-n-octyl phthalate	14.663	149	188	7.844	ng	# 73

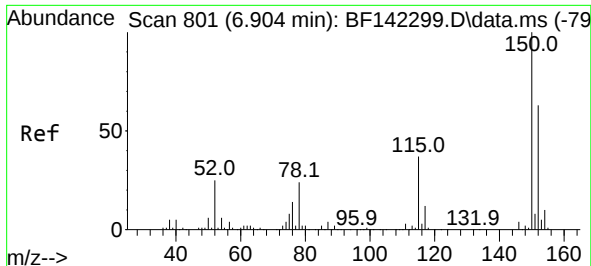
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142370.D
Acq On : 14 May 2025 17:15
Operator : RC/JU
Sample : Q2017-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-I

Quant Time: May 14 17:38:10 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

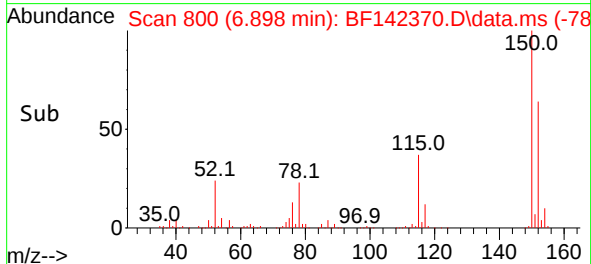
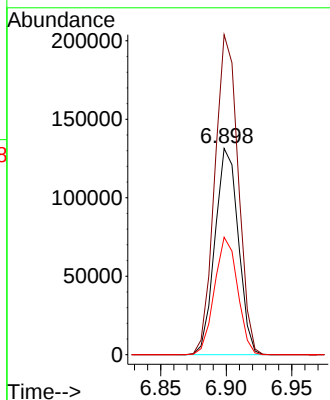
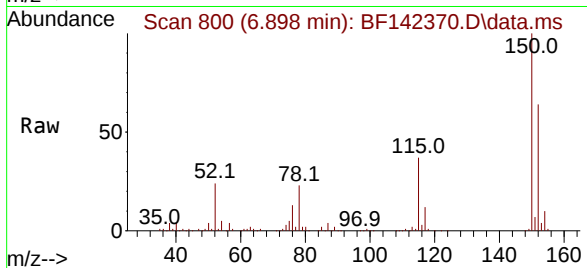




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

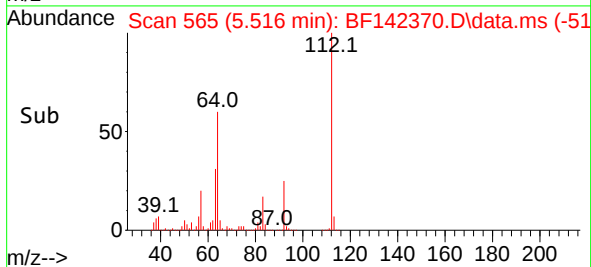
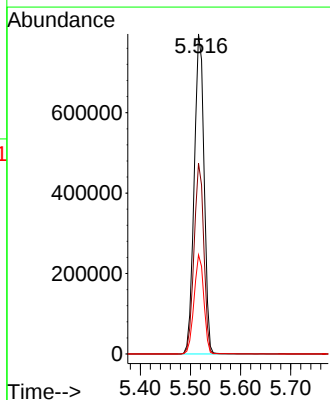
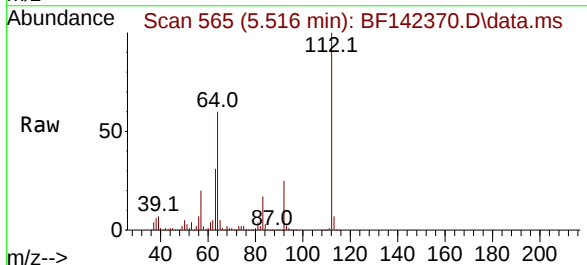
Instrument :
BNA_F
ClientSampleId :
MH-I

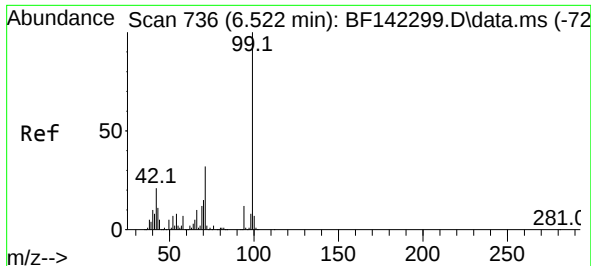
Tgt Ion:152 Resp: 162519
Ion Ratio Lower Upper
152 100
150 155.1 126.6 190.0
115 56.9 47.3 70.9



#5
2-Fluorophenol
Concen: 114.323 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:112 Resp: 1088390
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 31.0 25.6 38.4





#7
Phenol-d6
Concen: 103.296 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

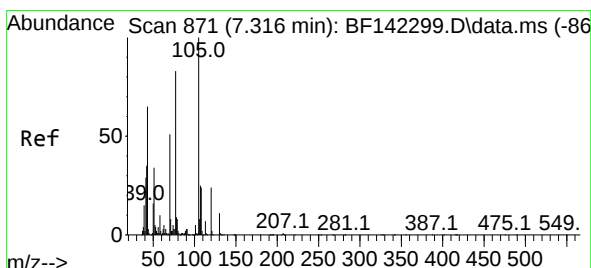
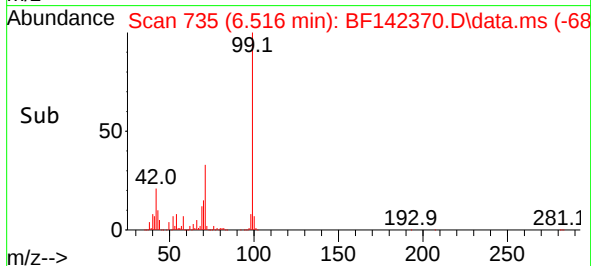
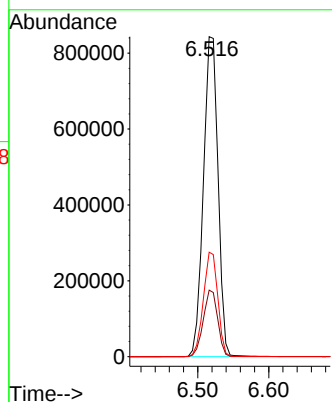
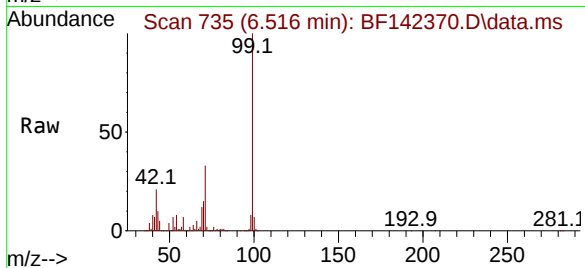
Instrument :

BNA_F

ClientSampleId :

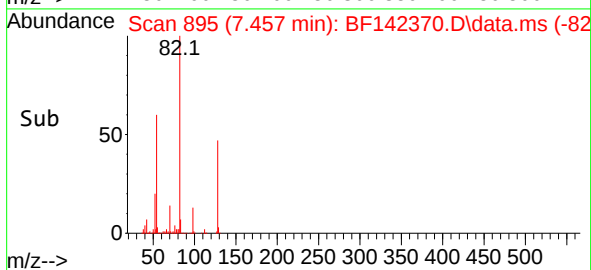
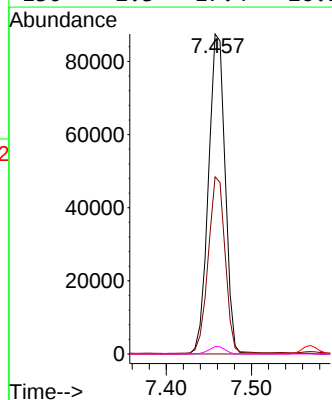
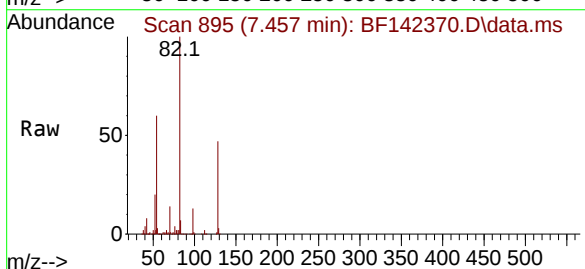
MH-I

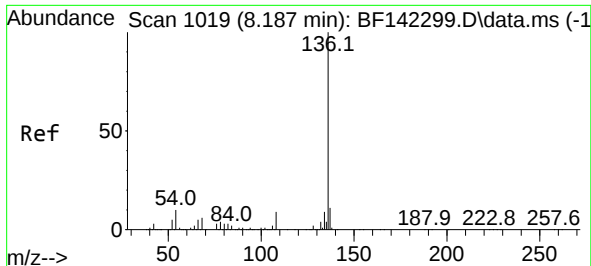
Tgt Ion: 99 Resp: 1209517
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.4
71 32.6 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.459 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion: 70 Resp: 119211
Ion Ratio Lower Upper
70 100
42 55.3 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#



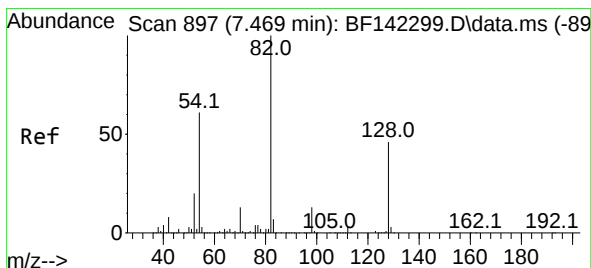
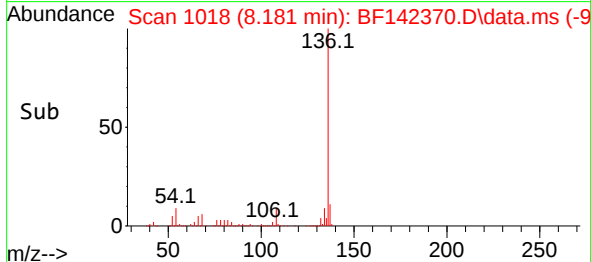
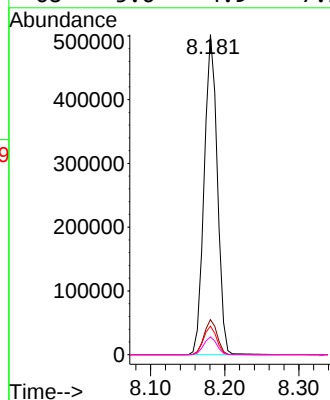
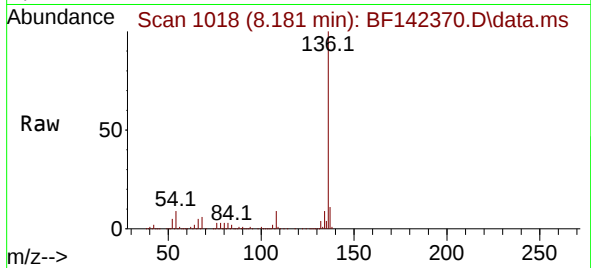


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
MH-I

Tgt Ion:136 Resp: 618413

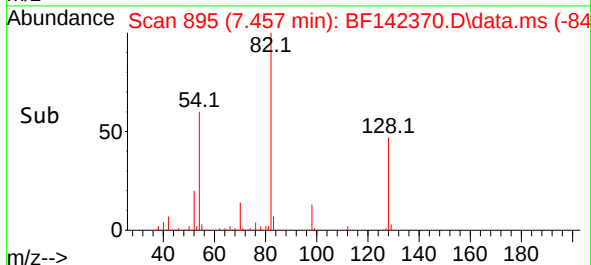
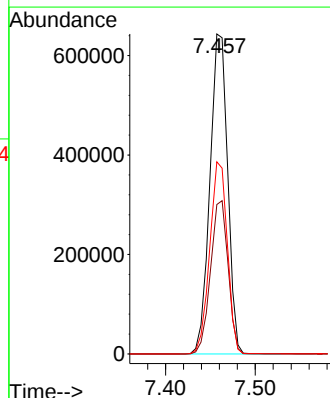
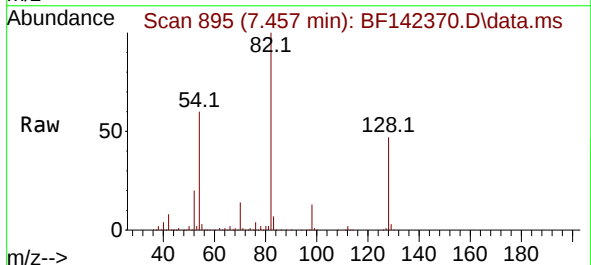
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3

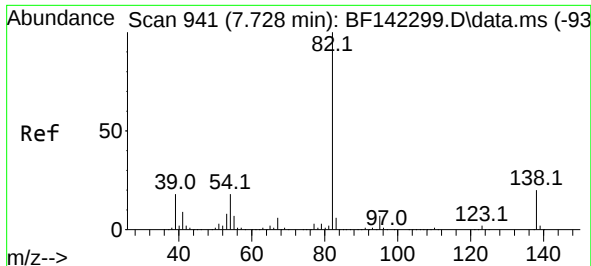


#23
Nitrobenzene-d5
Concen: 87.101 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion: 82 Resp: 883208

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.6
54	60.0	48.6	73.0

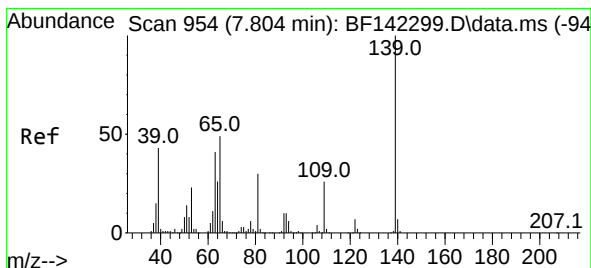
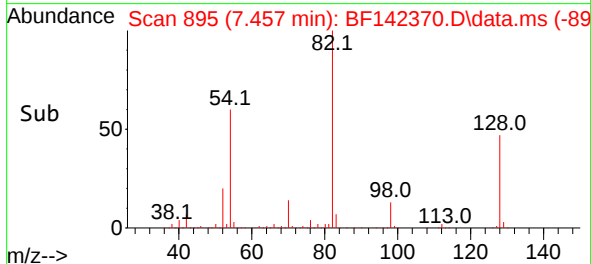
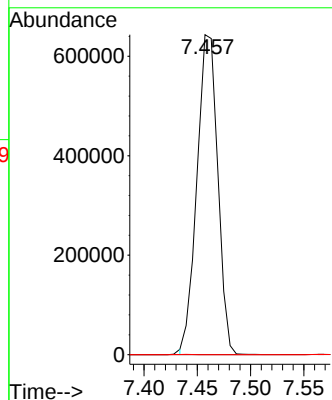
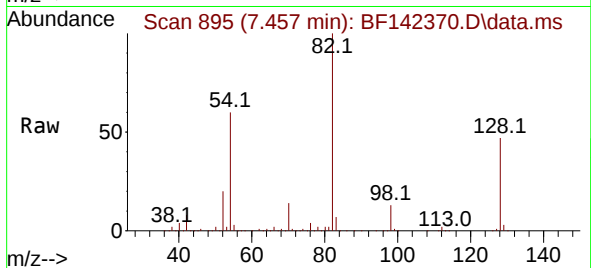




#25
Isophorone
Concen: 45.667 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

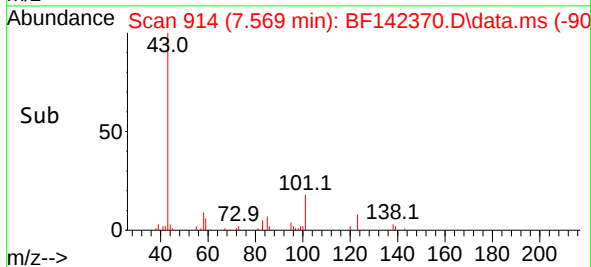
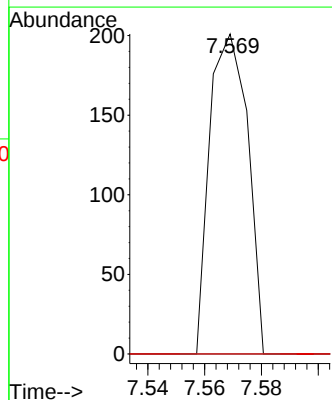
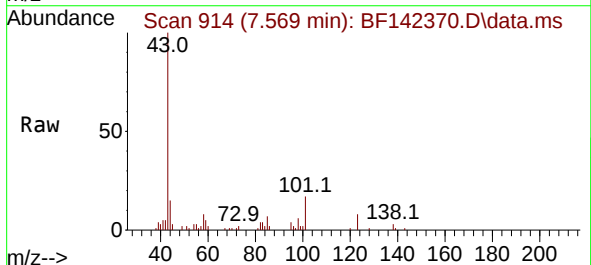
Instrument :
BNA_F
ClientSampleId :
MH-I

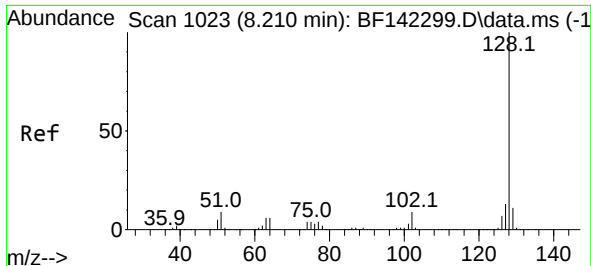
Tgt Ion: 82 Resp: 876886
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.125 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:139 Resp: 187
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

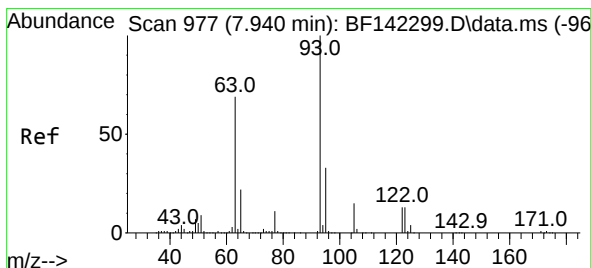
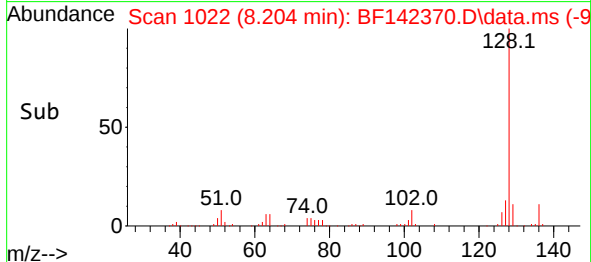
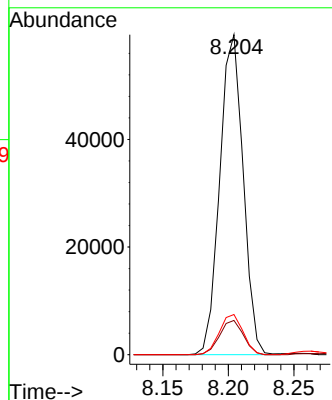
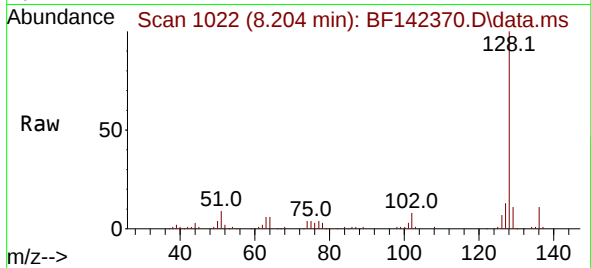




#31
Naphthalene
Concen: 2.459 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

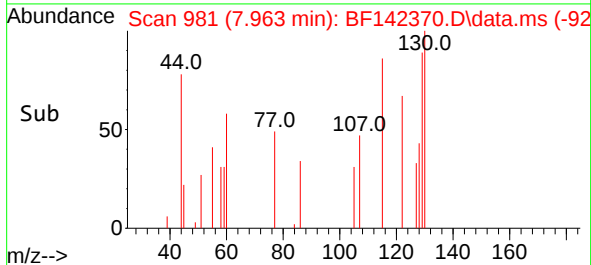
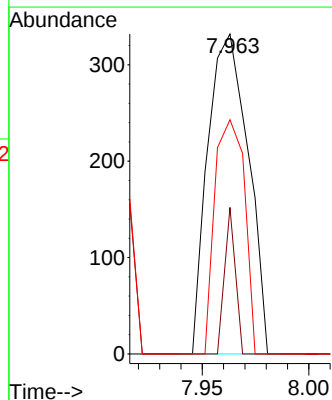
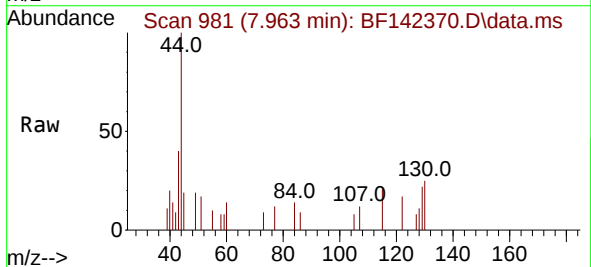
Instrument :
BNA_F
ClientSampleId :
MH-I

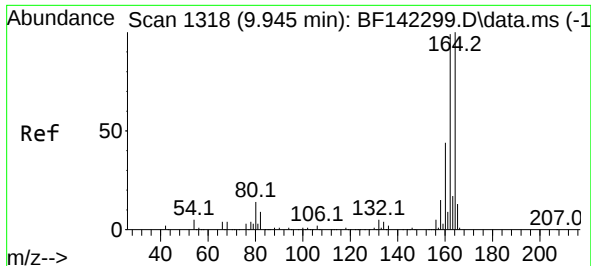
Tgt Ion:128 Resp: 73705
Ion Ratio Lower Upper
128 100
129 10.7 9.1 13.7
127 12.6 10.5 15.7



#32
Benzoic acid
Concen: 6.101 ng
RT: 7.963 min Scan# 981
Delta R.T. 0.023 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:122 Resp: 437
Ion Ratio Lower Upper
122 100
105 45.8 97.9 137.9#
77 73.2 67.7 107.7

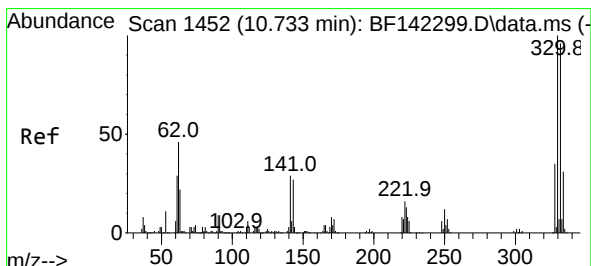
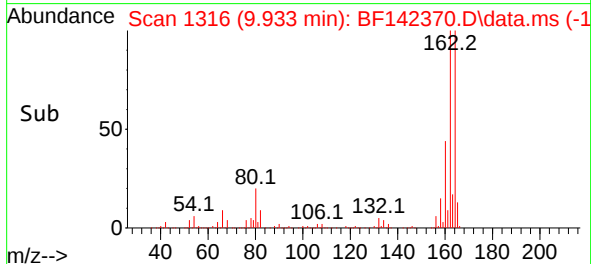
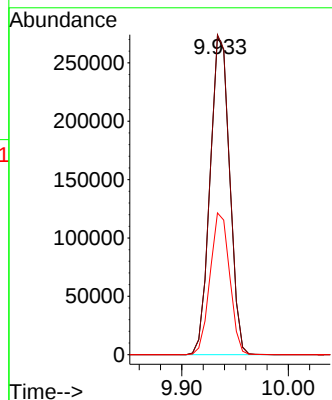
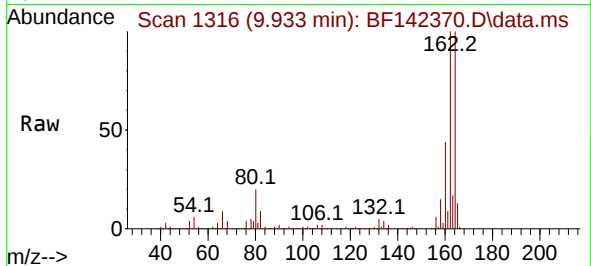




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

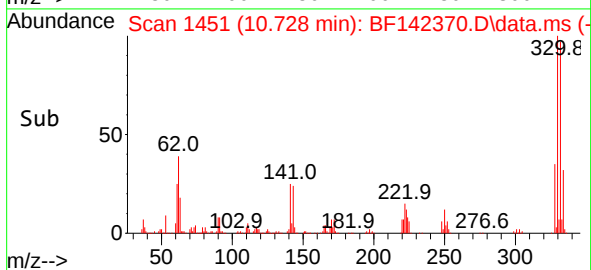
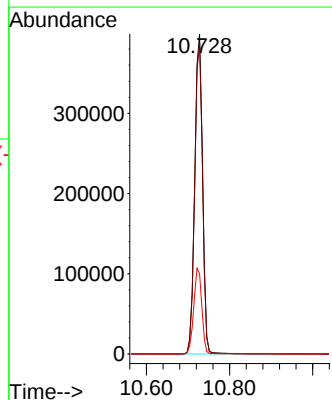
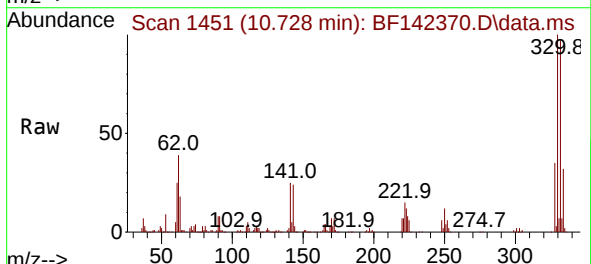
Instrument :
BNA_F
ClientSampleId :
MH-I

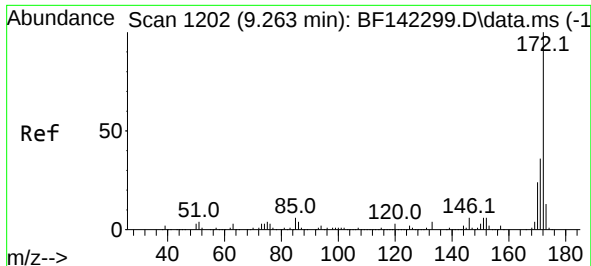
Tgt Ion:164 Resp: 347969
Ion Ratio Lower Upper
164 100
162 100.3 79.2 118.8
160 44.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 155.650 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:330 Resp: 522917
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 27.5 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 77.330 ng

RT: 9.257 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

MH-I

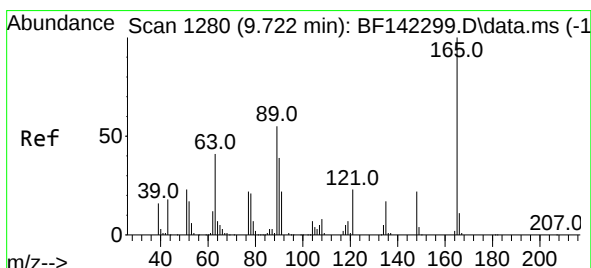
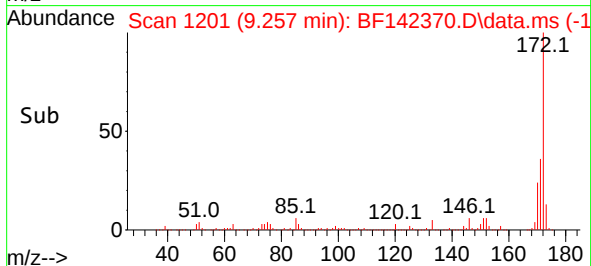
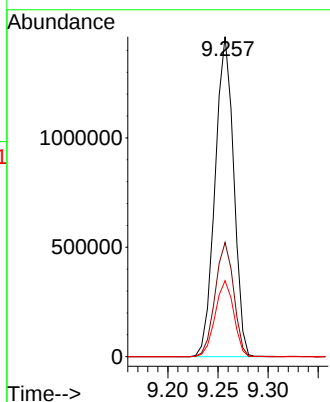
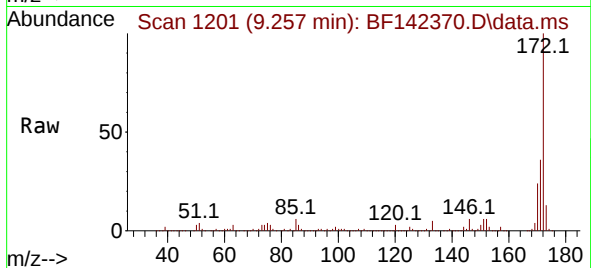
Tgt Ion:172 Resp: 1887150

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.7 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.865 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

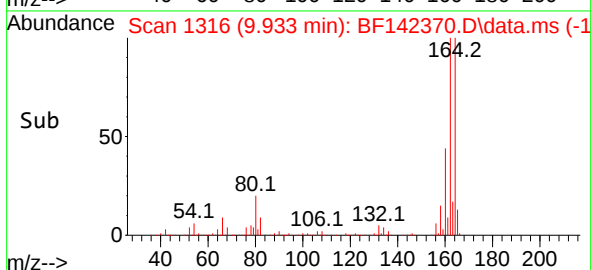
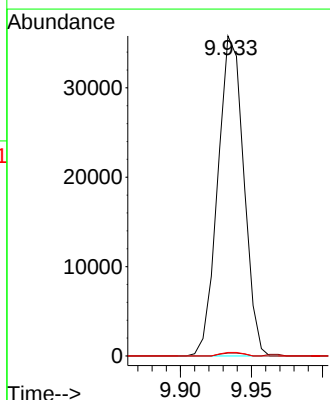
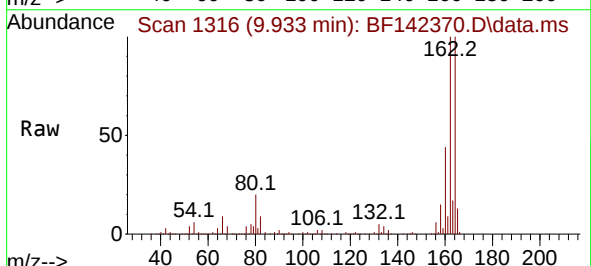
Tgt Ion:165 Resp: 45443

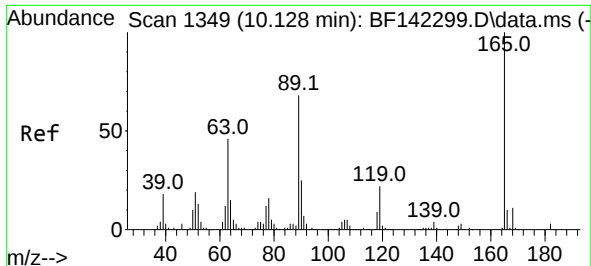
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.1 44.6 66.8#

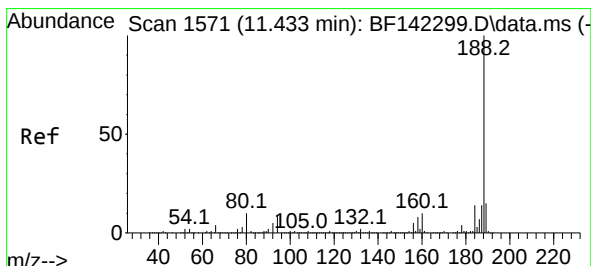
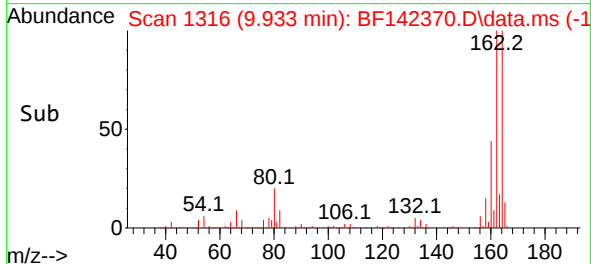
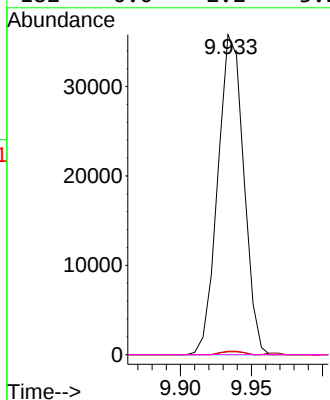
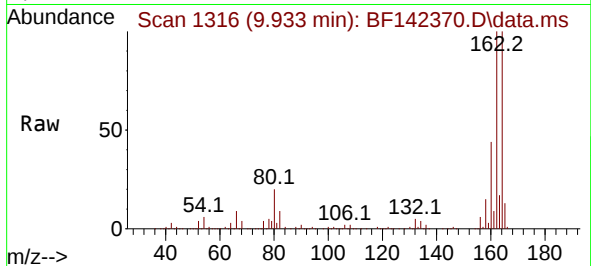




#57
2,4-Dinitrotoluene
Concen: 8.470 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

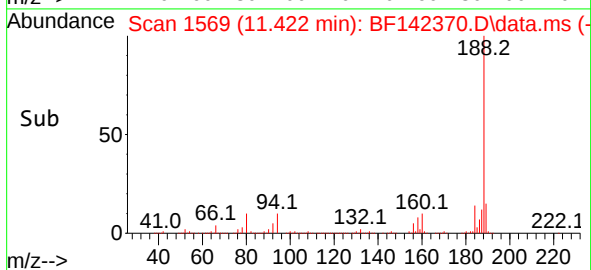
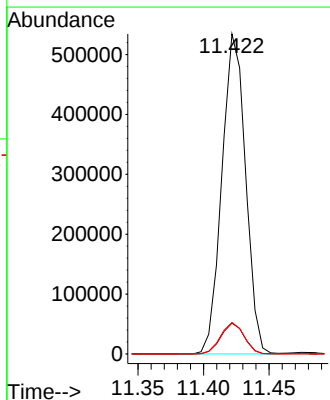
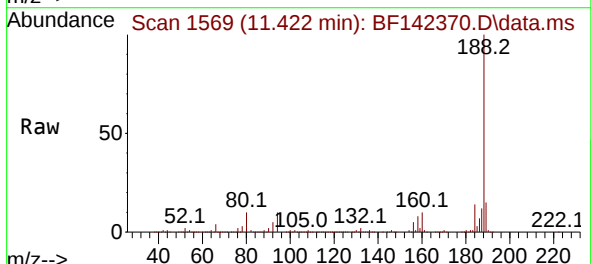
Instrument :
BNA_F
ClientSampleId :
MH-I

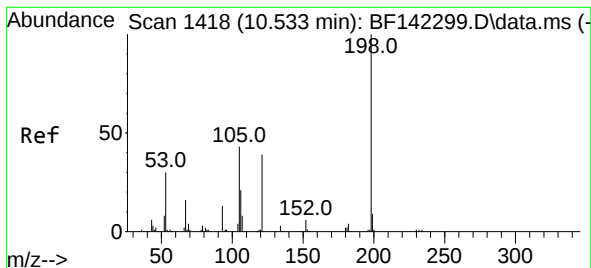
Tgt Ion:165 Resp: 45443
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:188 Resp: 671296
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.9 7.9 11.9

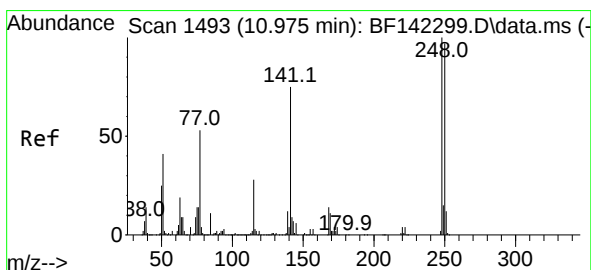
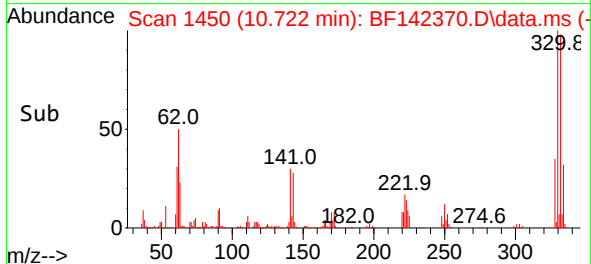
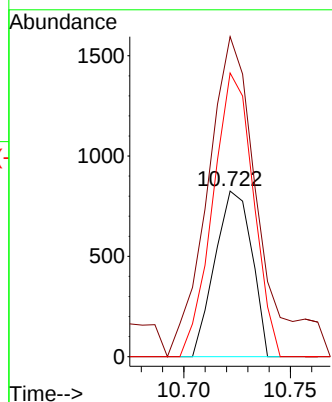
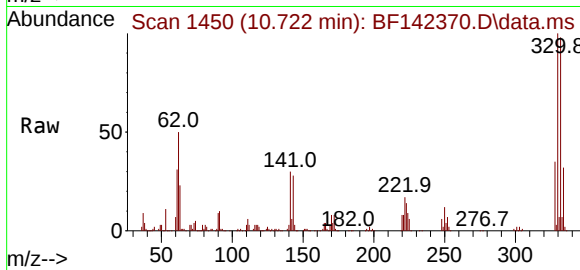




#65
4,6-Dinitro-2-methylphenol
Concen: 7.455 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

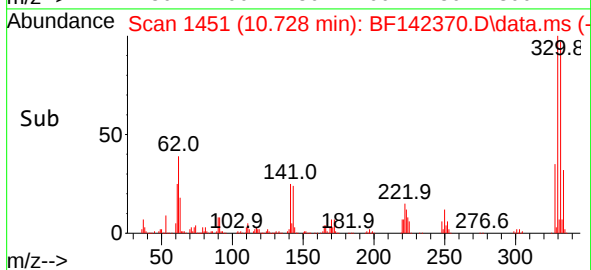
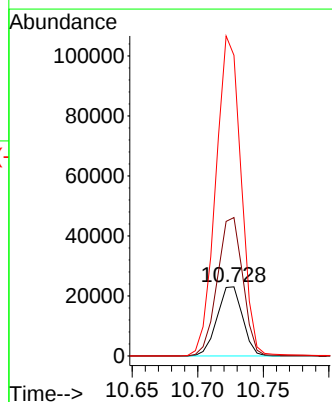
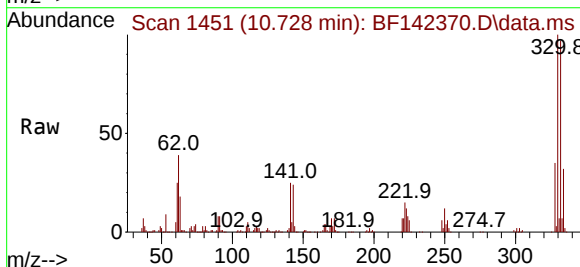
Instrument :
BNA_F
ClientSampleId :
MH-I

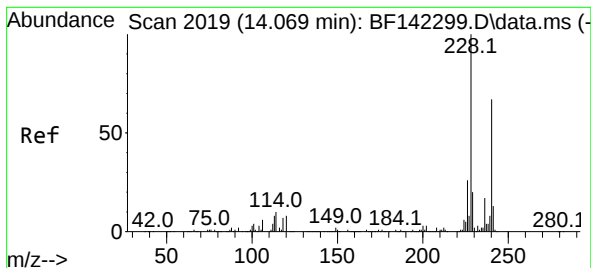
Tgt Ion:198 Resp: 995
Ion Ratio Lower Upper
198 100
51 193.3 32.9 72.9#
105 171.4 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 4.093 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Tgt Ion:248 Resp: 31140
Ion Ratio Lower Upper
248 100
250 200.0 77.9 116.9#
141 434.5 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: BF142370.D

Acq: 14 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

MH-I

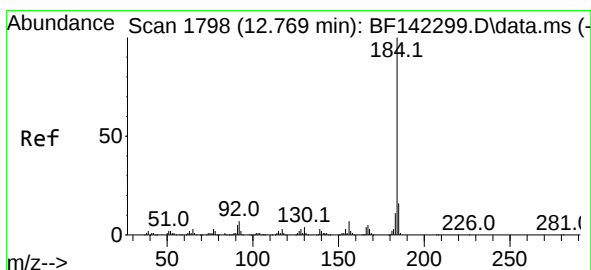
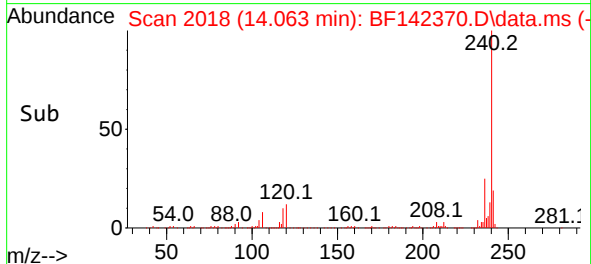
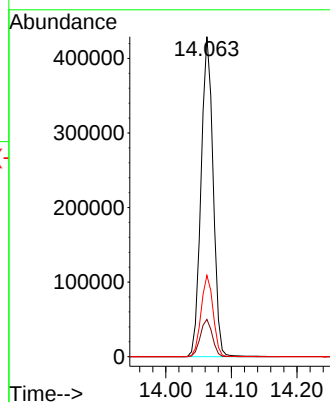
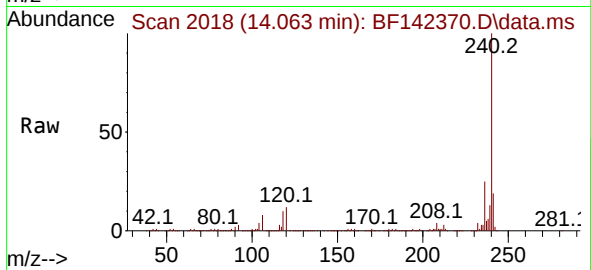
Tgt Ion:240 Resp: 550765

Ion Ratio Lower Upper

240 100

120 11.7 9.7 14.5

236 25.4 20.0 30.0



#77

Benzidine

Concen: 60.474 ng

RT: 12.757 min Scan# 1796

Delta R.T. -0.012 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

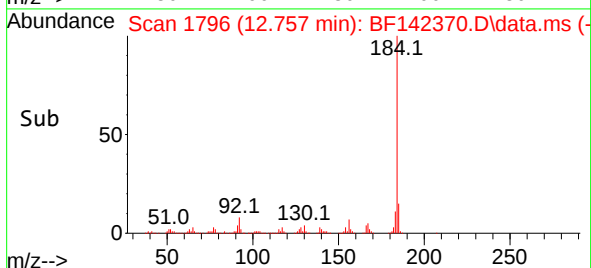
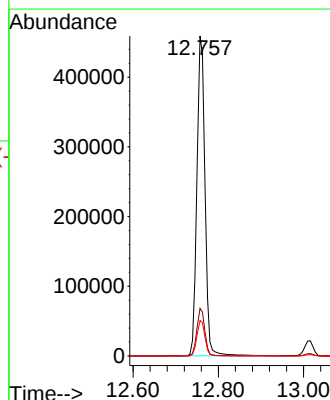
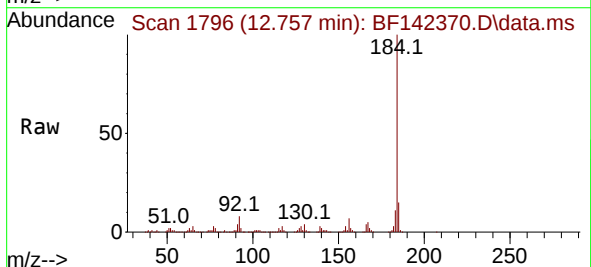
Tgt Ion:184 Resp: 605285

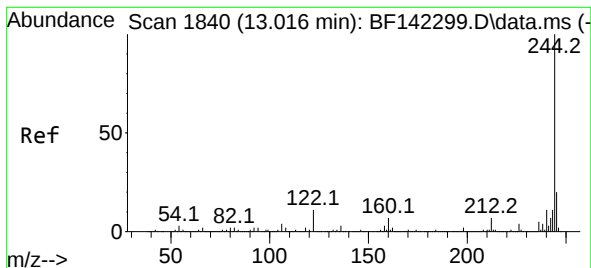
Ion Ratio Lower Upper

184 100

185 14.9 12.6 18.8

183 11.1 8.6 12.8





#79

Terphenyl-d14

Concen: 67.277 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

MH-I

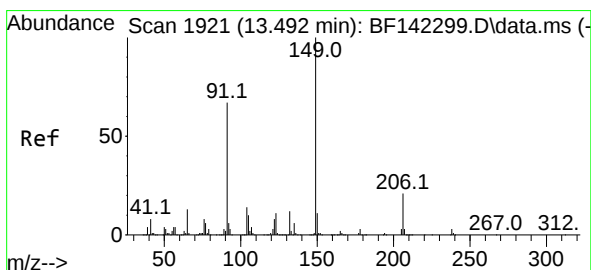
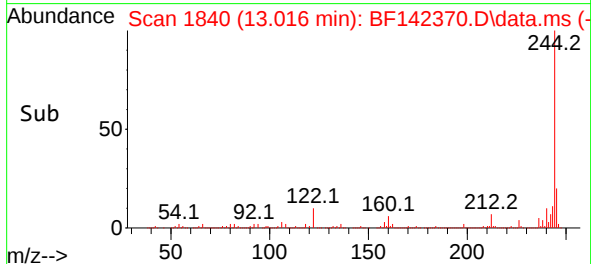
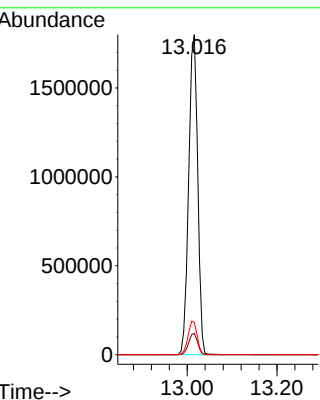
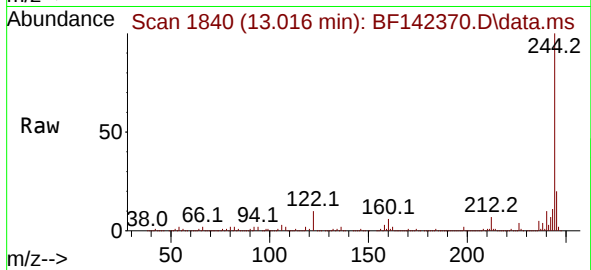
Tgt Ion:244 Resp: 2503455

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.1 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.672 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142370.D

Acq: 14 May 2025 17:15

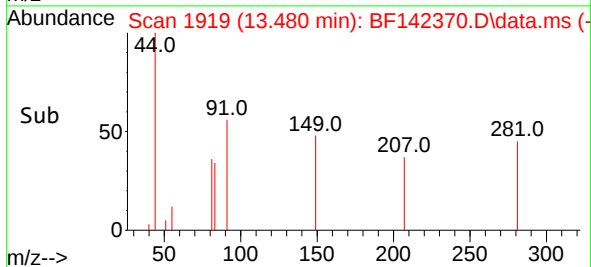
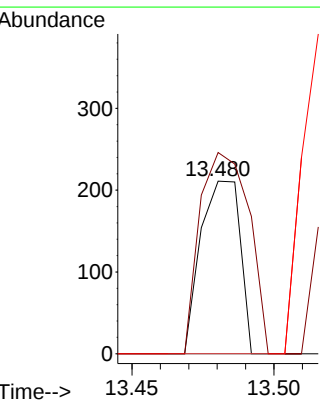
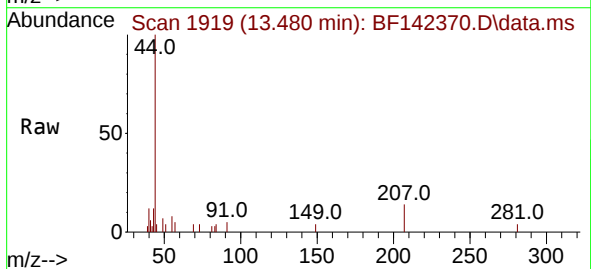
Tgt Ion:149 Resp: 203

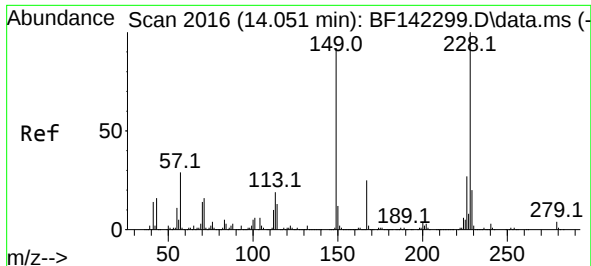
Ion Ratio Lower Upper

149 100

91 116.6 53.8 80.6#

206 0.0 16.6 24.8#

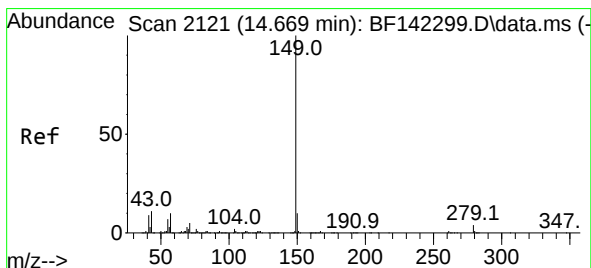
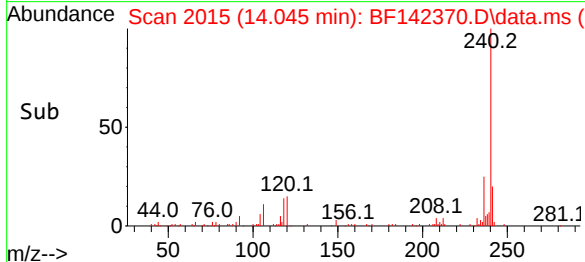
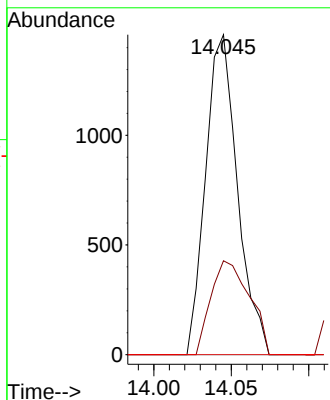
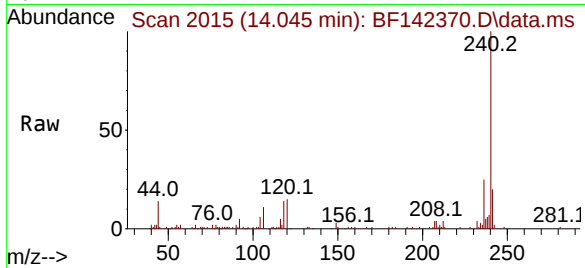




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.339 ng
 RT: 14.045 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF142370.D
 Acq: 14 May 2025 17:15

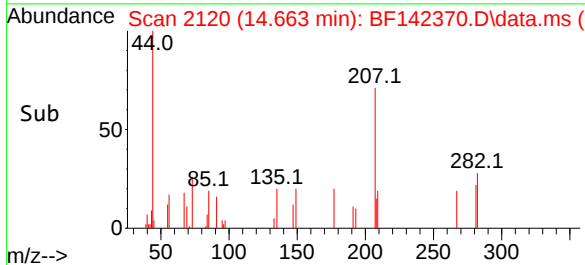
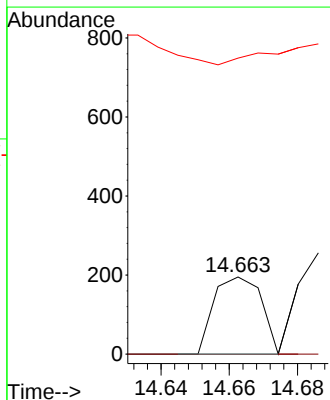
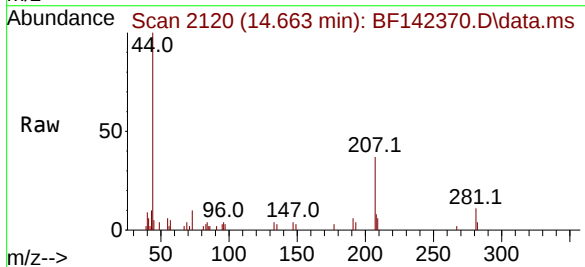
Instrument :
 BNA_F
 ClientSampleId :
 MH-I

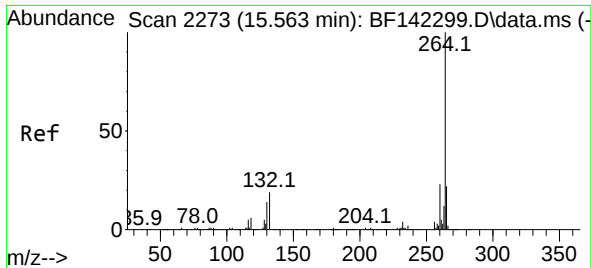
Tgt Ion:149 Resp: 2085
 Ion Ratio Lower Upper
 149 100
 167 29.3 22.0 33.0
 279 0.0 3.0 4.6#



#85
 Di-n-octyl phthalate
 Concen: 7.844 ng
 RT: 14.663 min Scan# 2120
 Delta R.T. -0.006 min
 Lab File: BF142370.D
 Acq: 14 May 2025 17:15

Tgt Ion:149 Resp: 188
 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: 15.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142370.D
Acq: 14 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
MH-I

Tgt Ion:264 Resp: 450933
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 17.5 26.3

