

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142319.D
 Acq On : 12 May 2025 14:43
 Operator : RC/JU
 Sample : Q1964-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-LL

Quant Time: May 12 15:14:32 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)

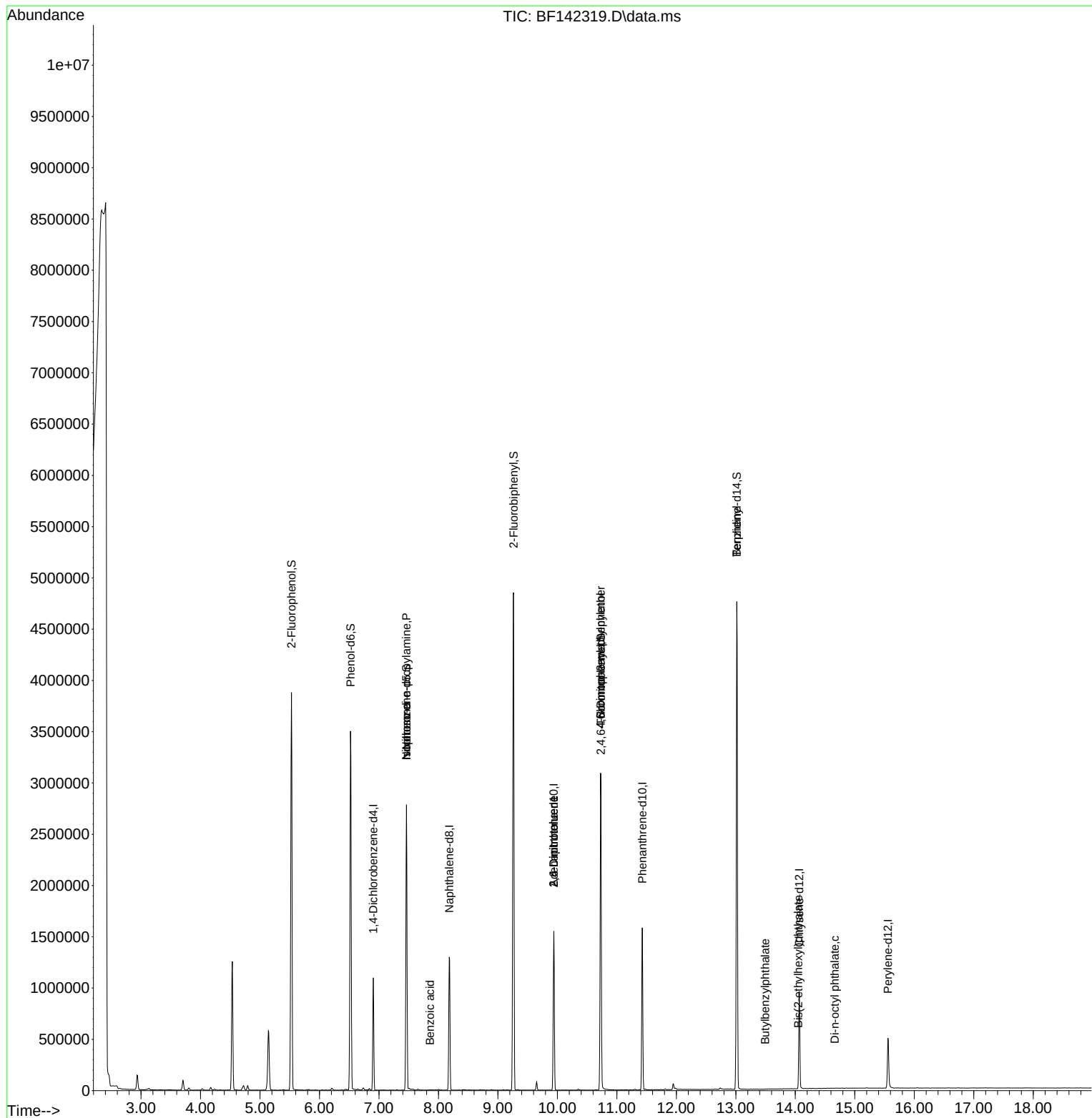
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	228428	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	855682	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	463504	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	800520	20.000	ng	0.00
76) Chrysene-d12	14.068	240	465745	20.000	ng	0.00
86) Perylene-d12	15.557	264	265429	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1567854	117.168	ng	0.02
7) Phenol-d6	6.522	99	1756147	106.705	ng	0.00
23) Nitrobenzene-d5	7.463	82	1163992	82.961	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	584145	130.534	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2454618	75.511	ng	0.00
79) Terphenyl-d14	13.016	244	2393132	76.052	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	156327	15.356	ng	# 78
25) Isophorone	7.463	82	1160413	43.676	ng	# 62
32) Benzoic acid	7.857	122	949	6.150	ng	92
51) 2,6-Dinitrotoluene	9.939	165	58946	10.581	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	58946	8.249	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	1087	7.433	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	34324	3.783	ng	# 1
77) Benzidine	13.016	184	30103	3.557	ng	98
80) Butylbenzylphthalate	13.492	149	213	3.675	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.051	149	1129	4.302	ng	# 94
85) Di-n-octyl phthalate	14.662	149	358	7.850	ng	# 1

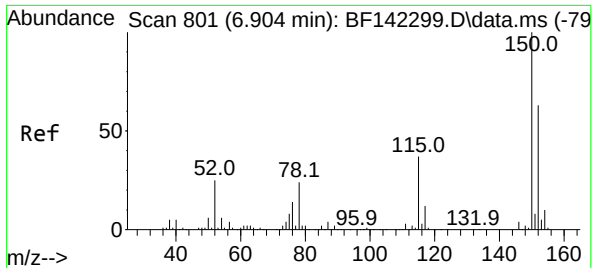
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
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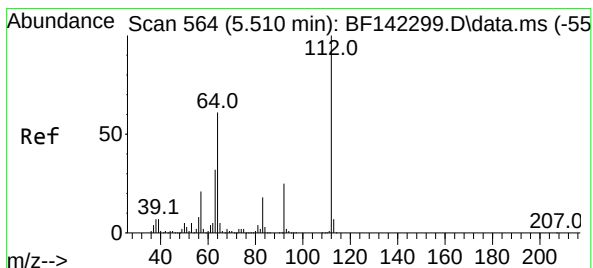
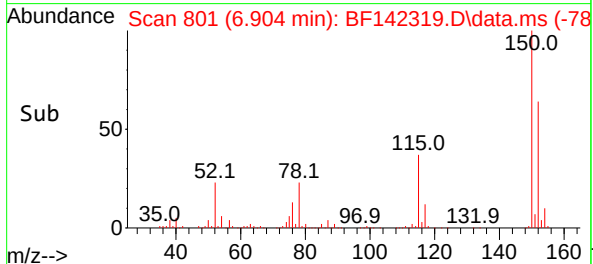
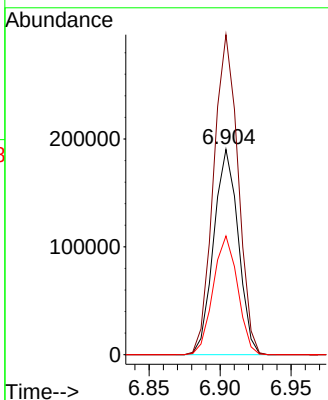
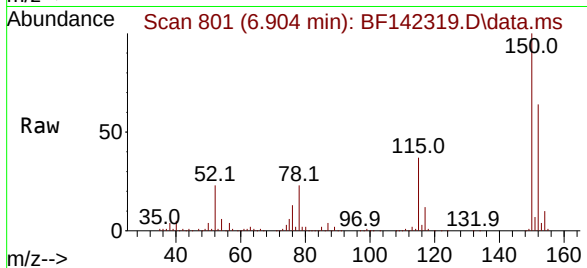




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142319.D
 Acq: 12 May 2025 14:43

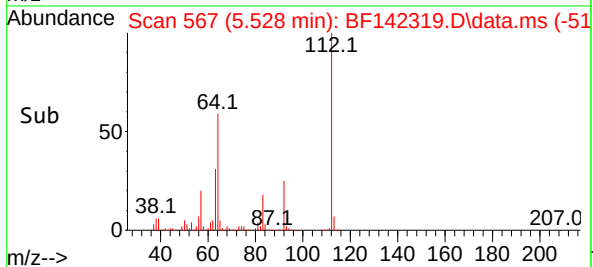
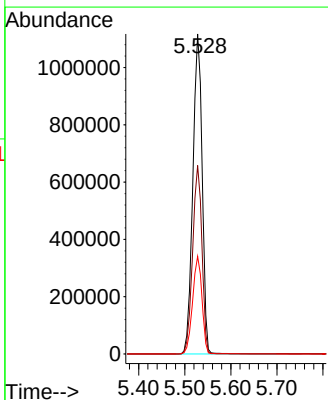
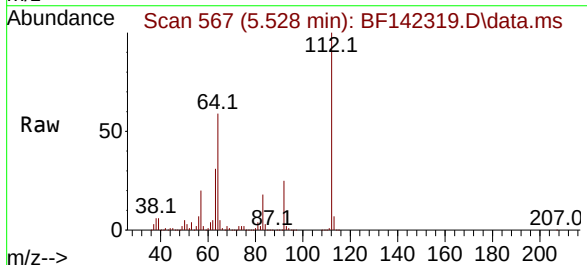
Instrument :
 BNA_F
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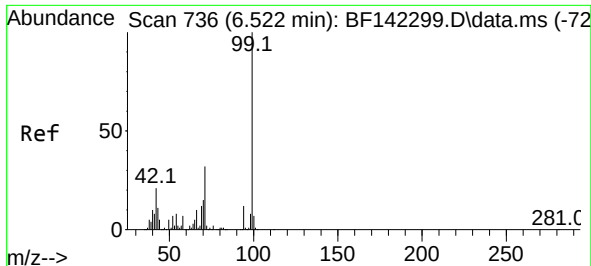
Tgt Ion:152 Resp: 228428
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.6 190.0
 115 57.8 47.3 70.9



#5
 2-Fluorophenol
 Concen: 117.168 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.018 min
 Lab File: BF142319.D
 Acq: 12 May 2025 14:43

Tgt Ion:112 Resp: 1567854
 Ion Ratio Lower Upper
 112 100
 64 58.9 48.9 73.3
 63 30.5 25.6 38.4

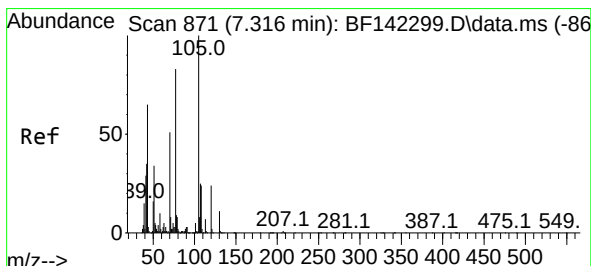
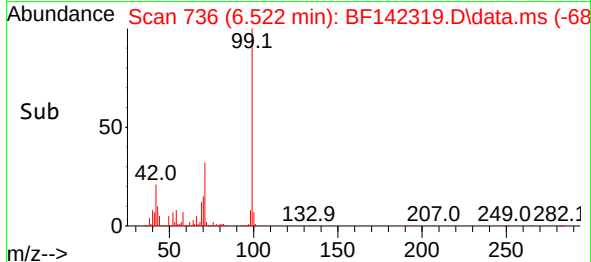
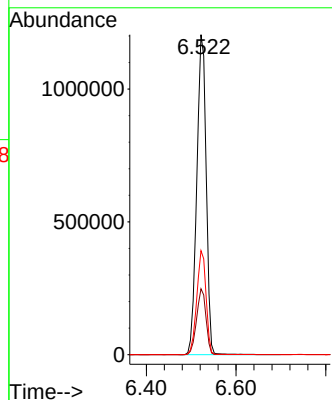
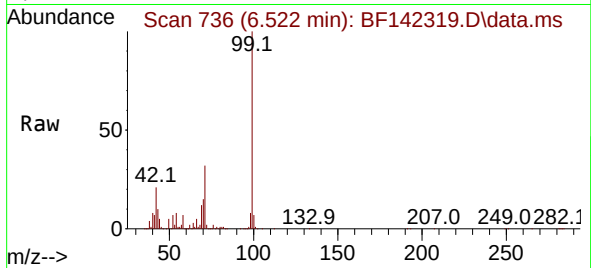




#7
Phenol-d6
Concen: 106.705 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

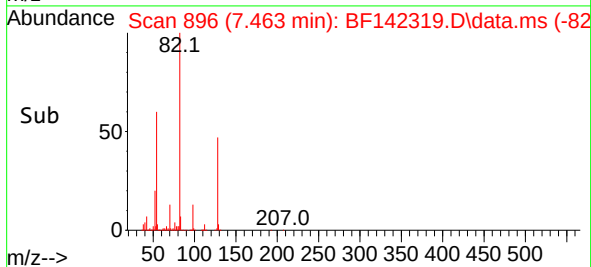
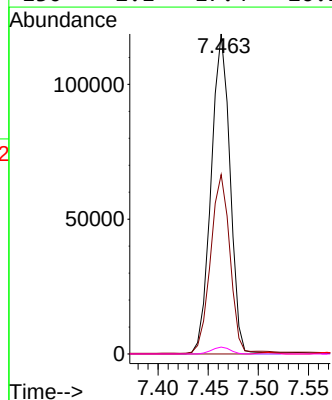
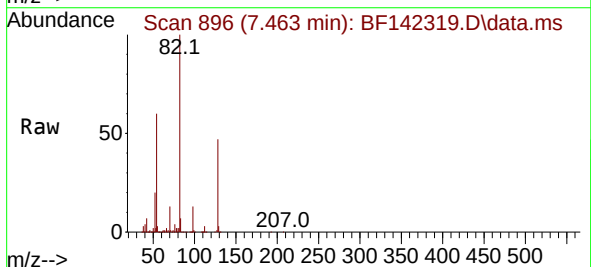
Instrument :
BNA_F
ClientSampleId :
MH-LL

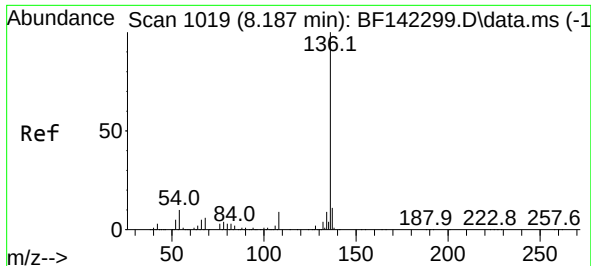
Tgt Ion: 99 Resp: 1756147
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.4
71 32.5 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.356 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

Tgt Ion: 70 Resp: 156327
Ion Ratio Lower Upper
70 100
42 56.0 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#



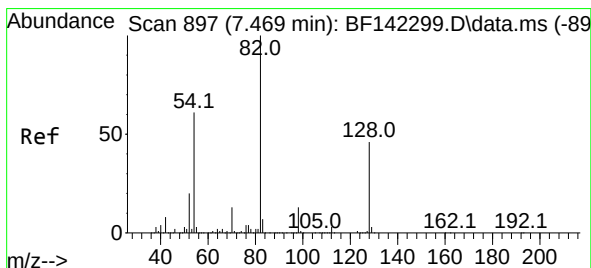
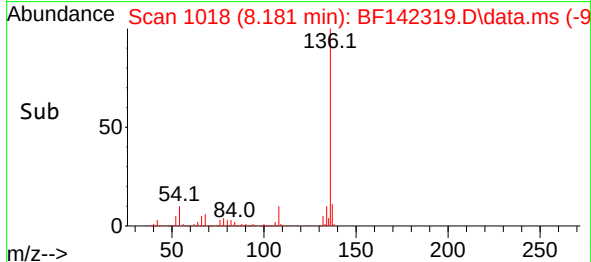
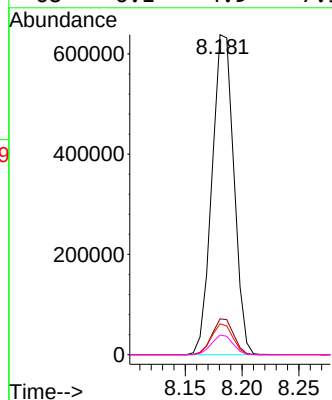
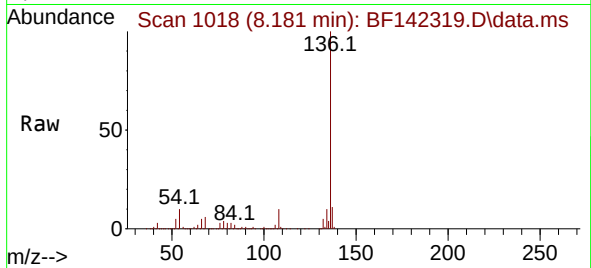


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

Instrument :
BNA_F
ClientSampleId :
MH-LL

Tgt Ion:136 Resp: 855682

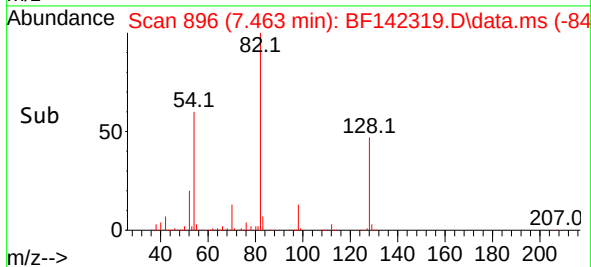
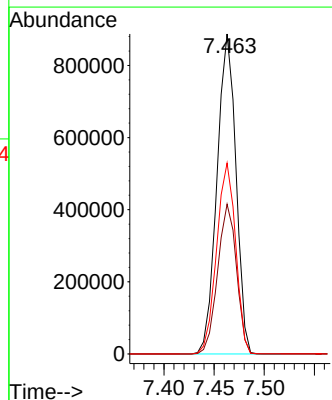
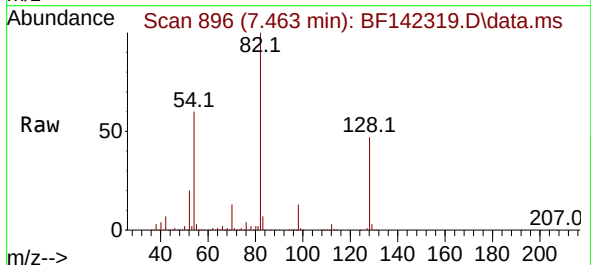
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.7	7.7	11.5
68	6.1	4.9	7.3

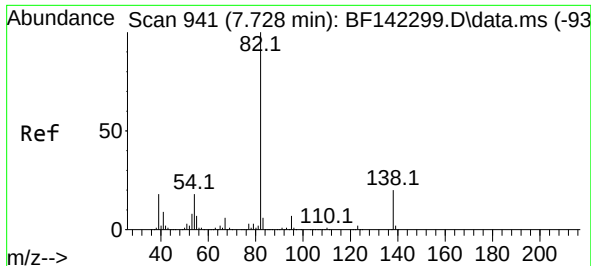


#23
Nitrobenzene-d5
Concen: 82.961 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

Tgt Ion: 82 Resp: 1163992

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.0	55.6
54	59.6	48.6	73.0

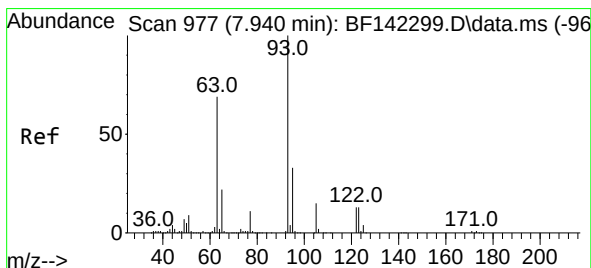
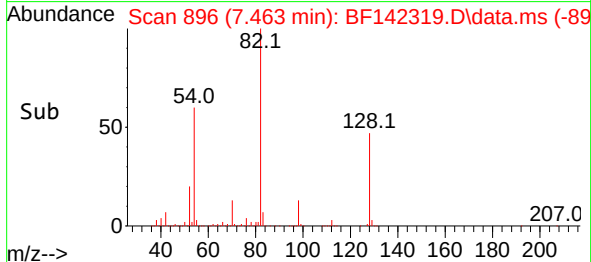
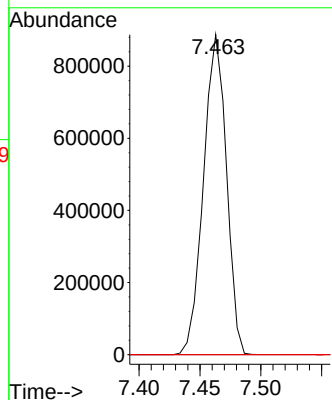
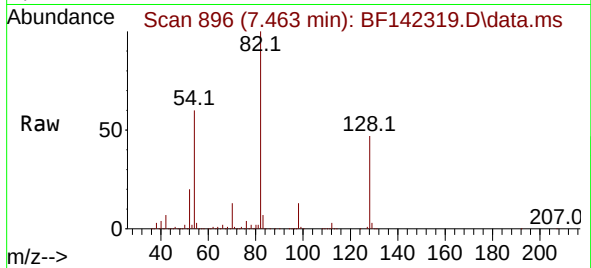




#25
Isophorone
Concen: 43.676 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

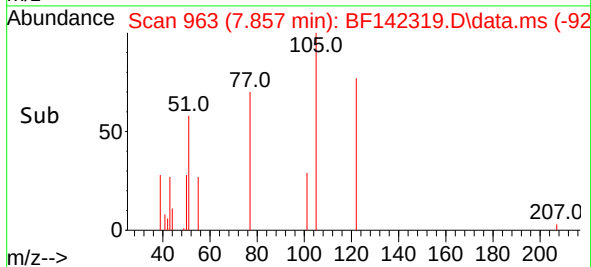
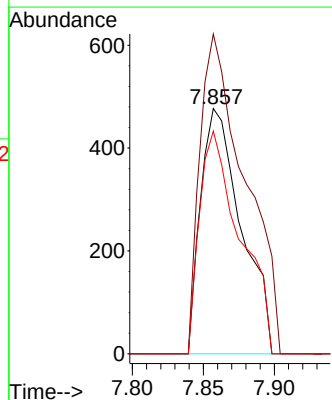
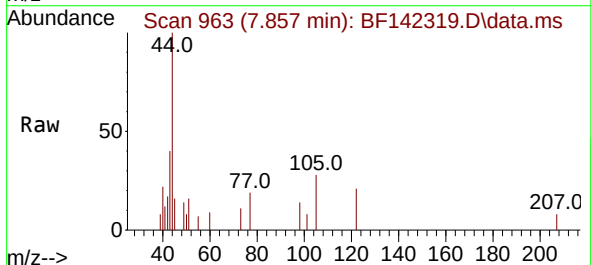
Instrument :
BNA_F
ClientSampleId :
MH-LL

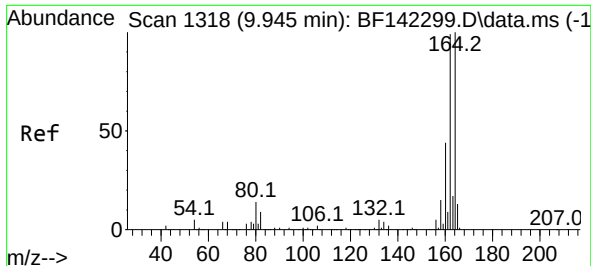
Tgt Ion: 82 Resp: 1160413
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.150 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.083 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

Tgt Ion:122 Resp: 949
Ion Ratio Lower Upper
122 100
105 130.4 97.9 137.9
77 90.8 67.7 107.7

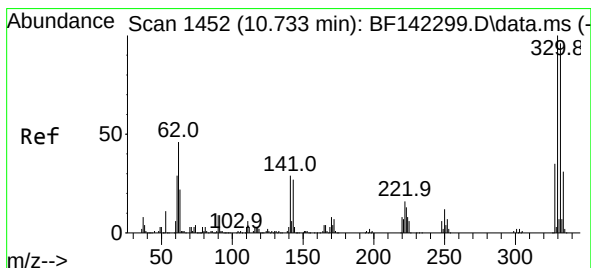
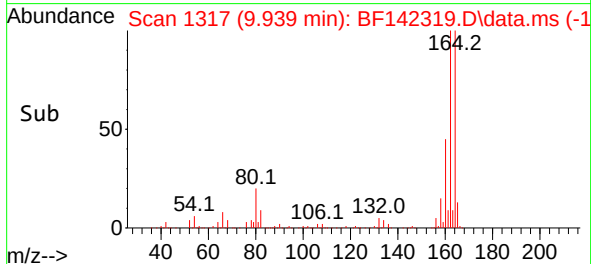
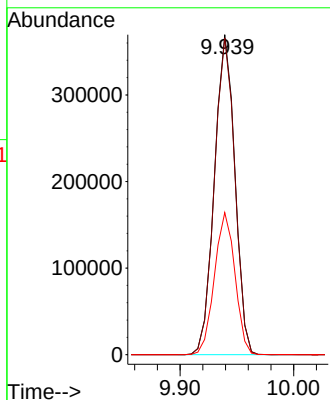
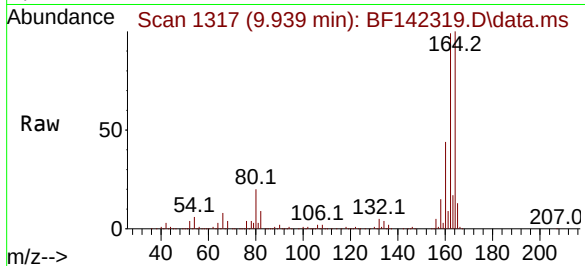




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

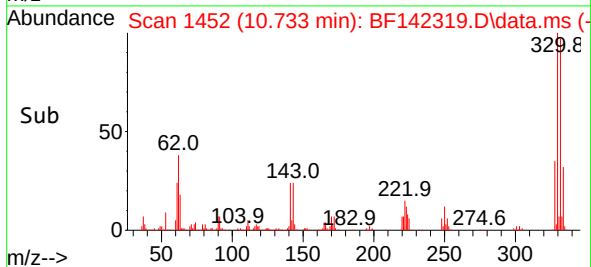
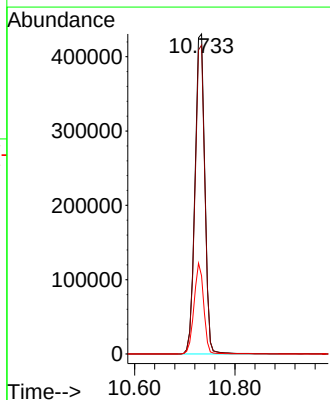
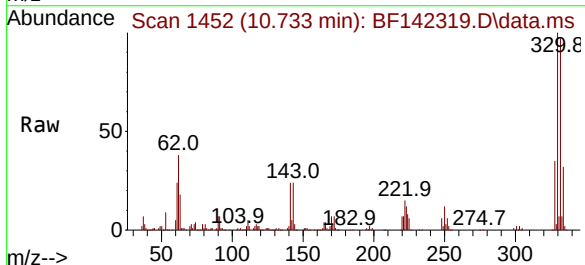
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ClientSampleId :
MH-LL

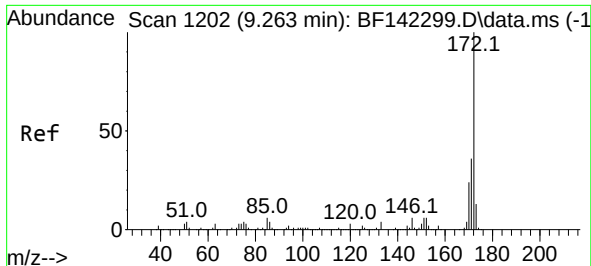
Tgt Ion:164 Resp: 463504
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 130.534 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

Tgt Ion:330 Resp: 584145
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 28.0 24.9 37.3

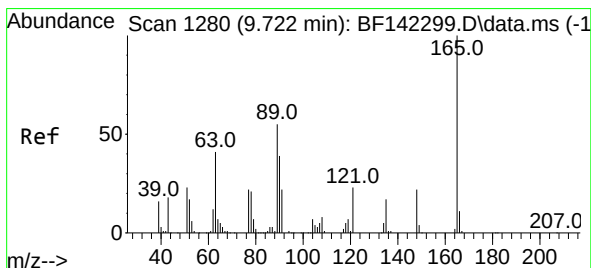
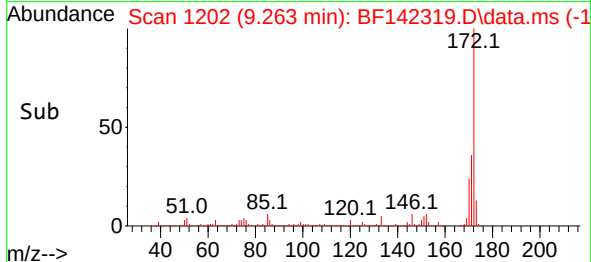
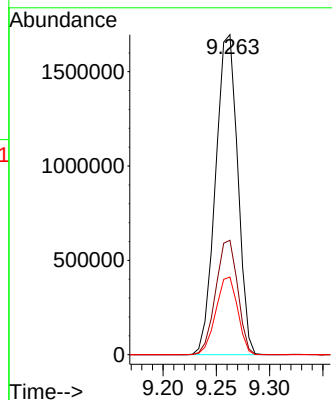
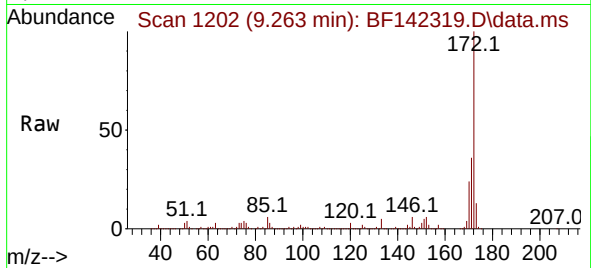




#45
2-Fluorobiphenyl
Concen: 75.511 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

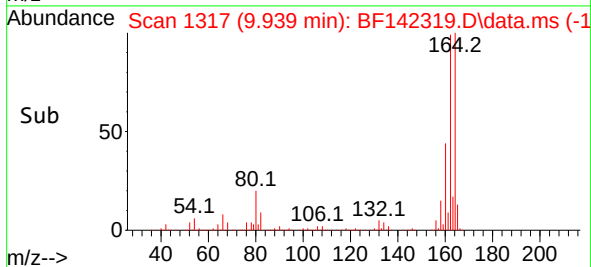
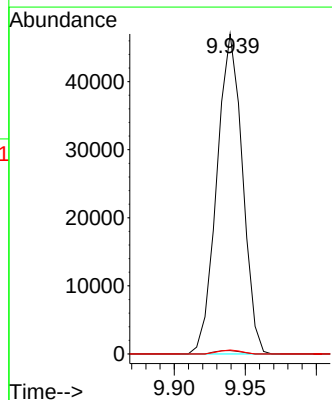
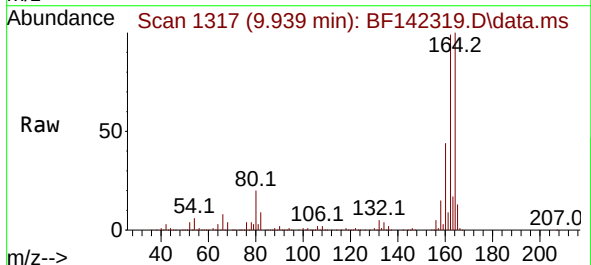
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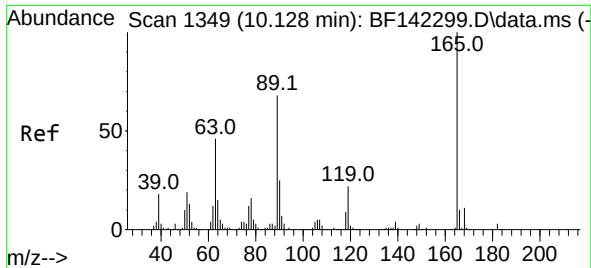
Tgt Ion:172 Resp: 2454618
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 24.2 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.581 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

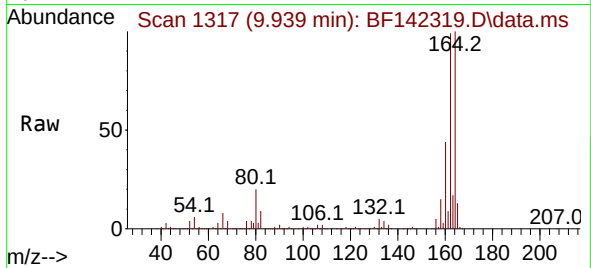
Tgt Ion:165 Resp: 58946
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.2 44.6 66.8#



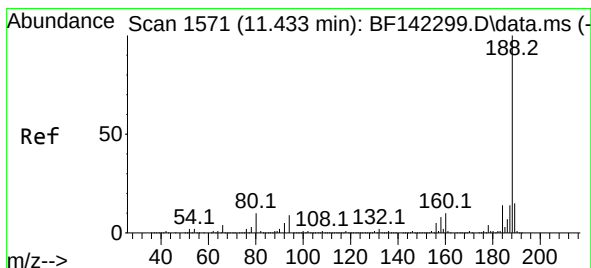
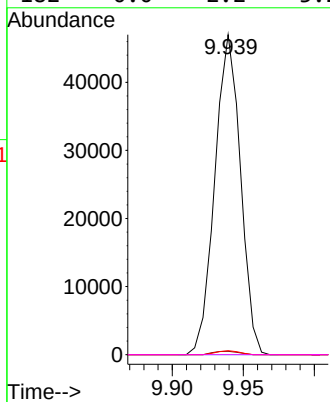
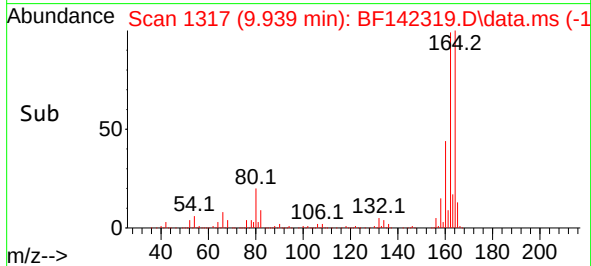


#57
2,4-Dinitrotoluene
Concen: 8.249 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

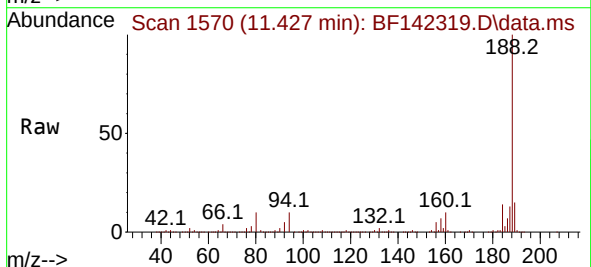
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BNA_F
ClientSampleId :
MH-LL



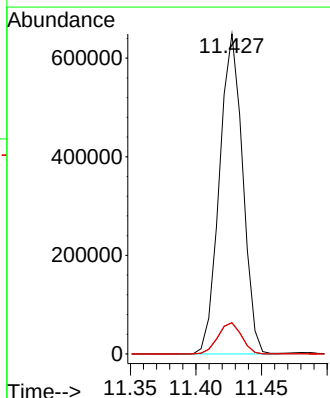
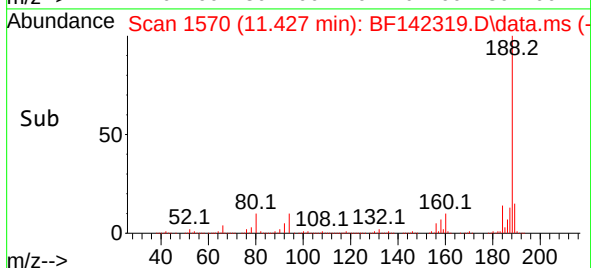
Tgt Ion:165 Resp: 58946
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.2 54.4 81.6#
182 0.0 2.2 3.2#

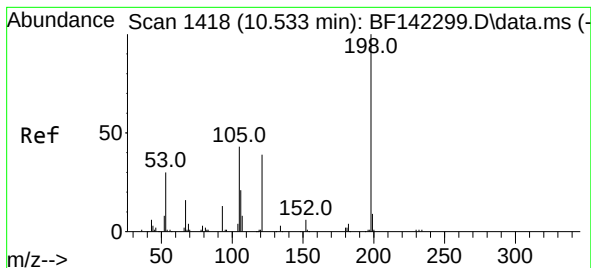


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43



Tgt Ion:188 Resp: 800520
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 9.8 7.9 11.9

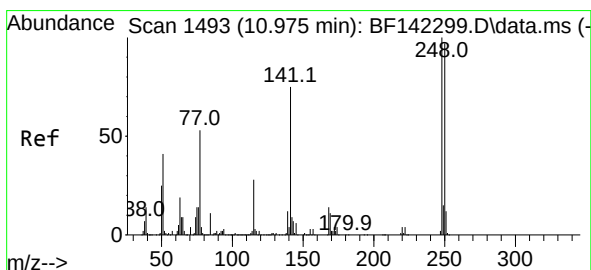
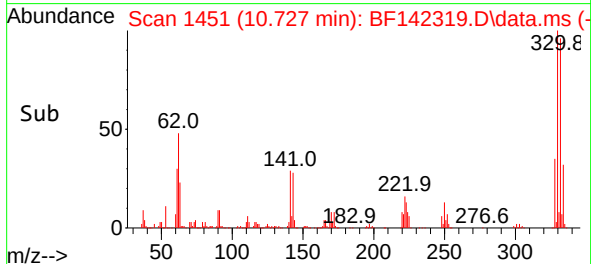
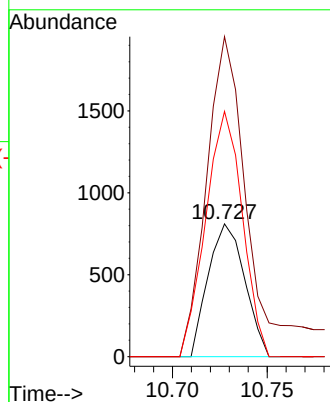
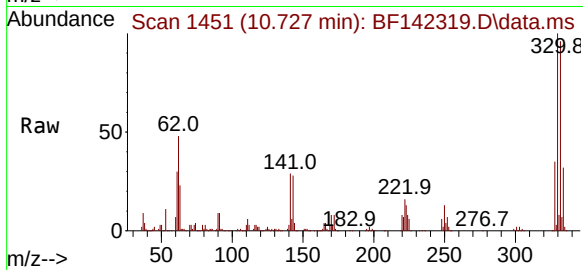




#65
4,6-Dinitro-2-methylphenol
Concen: 7.433 ng
RT: 10.727 min Scan# 1418
Delta R.T. 0.194 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

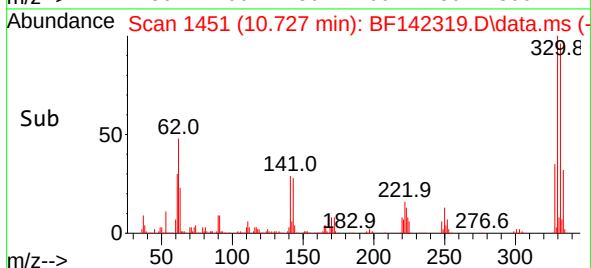
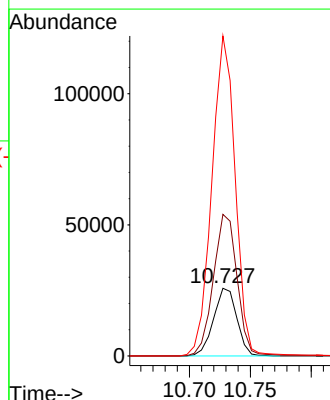
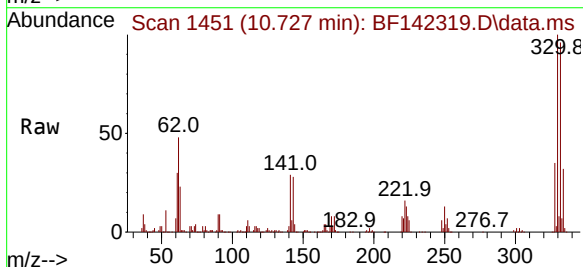
Instrument :
BNA_F
ClientSampleId :
MH-LL

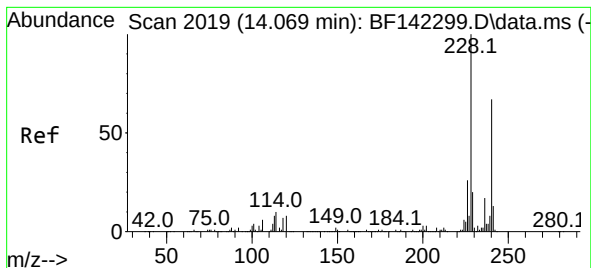
Tgt Ion:198 Resp: 1087
Ion Ratio Lower Upper
198 100
51 241.1 32.9 72.9#
105 184.8 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 3.783 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142319.D
Acq: 12 May 2025 14:43

Tgt Ion:248 Resp: 34324
Ion Ratio Lower Upper
248 100
250 209.5 77.9 116.9#
141 473.1 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF142319.D

Acq: 12 May 2025 14:43

Instrument :

BNA_F

ClientSampleId :

MH-LL

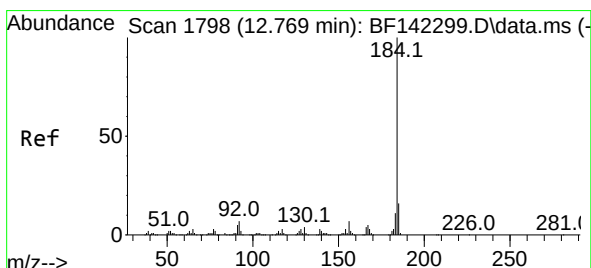
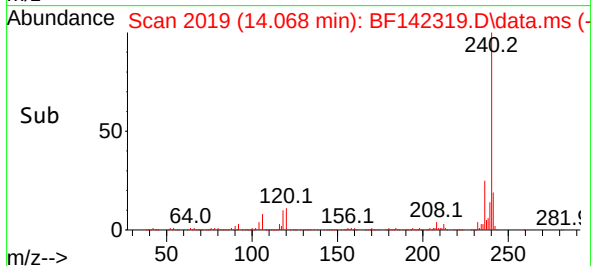
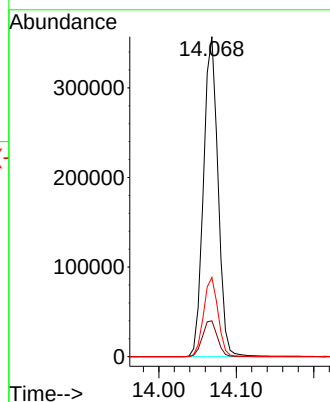
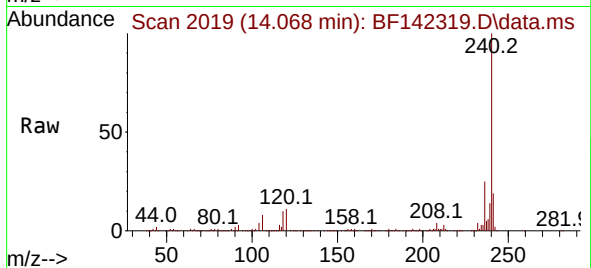
Tgt Ion:240 Resp: 465745

Ion Ratio Lower Upper

240 100

120 11.2 9.7 14.5

236 24.7 20.0 30.0



#77

Benzidine

Concen: 3.557 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142319.D

Acq: 12 May 2025 14:43

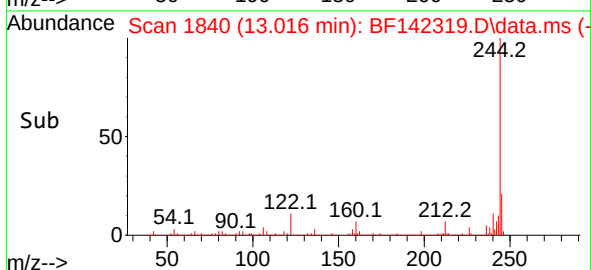
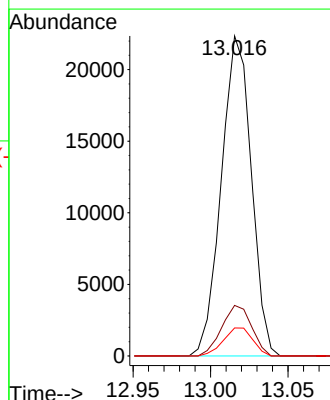
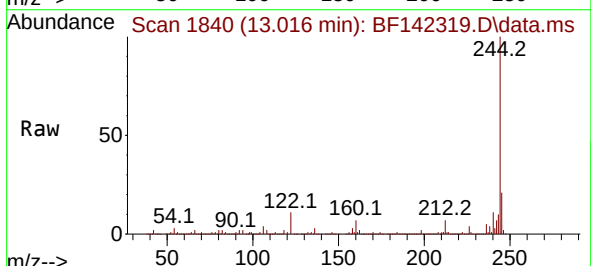
Tgt Ion:184 Resp: 30103

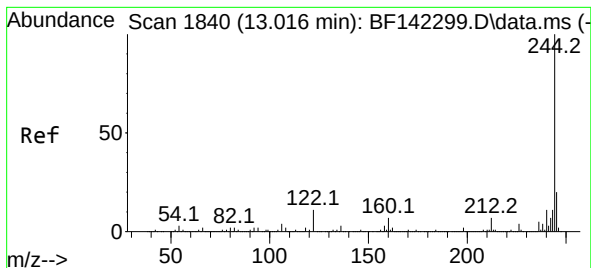
Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

183 8.7 8.6 12.8





#79

Terphenyl-d14

Concen: 76.052 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF142319.D

Acq: 12 May 2025 14:43

Instrument :

BNA_F

ClientSampleId :

MH-LL

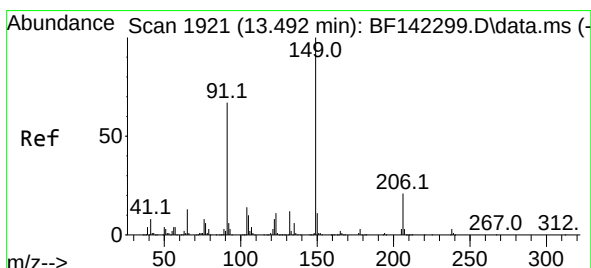
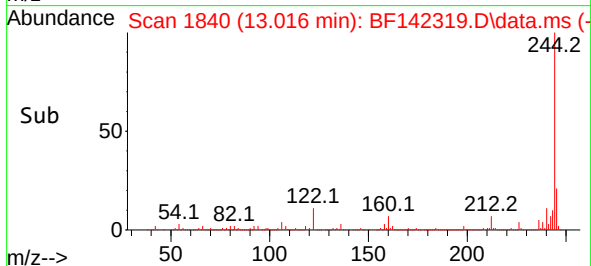
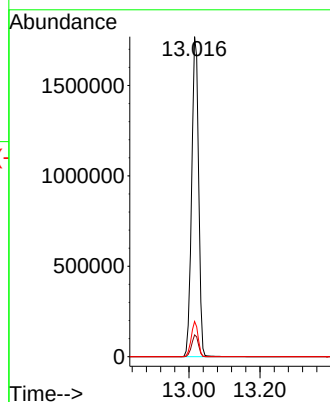
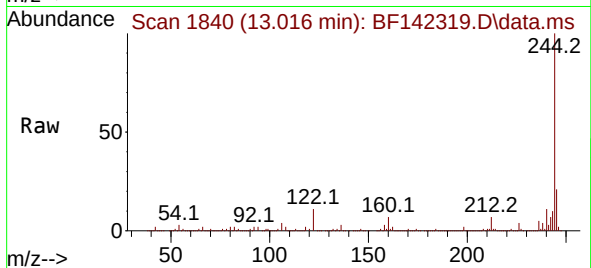
Tgt Ion:244 Resp: 2393132

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 11.0 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.675 ng

RT: 13.492 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF142319.D

Acq: 12 May 2025 14:43

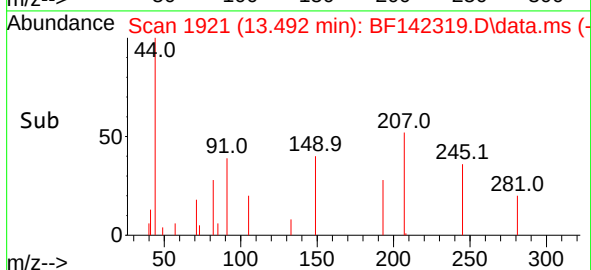
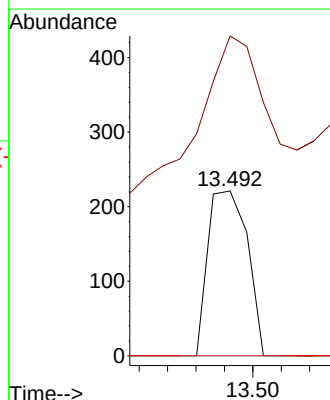
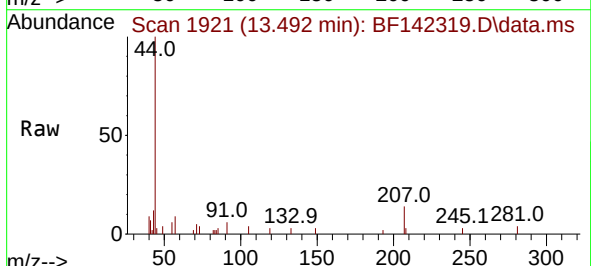
Tgt Ion:149 Resp: 213

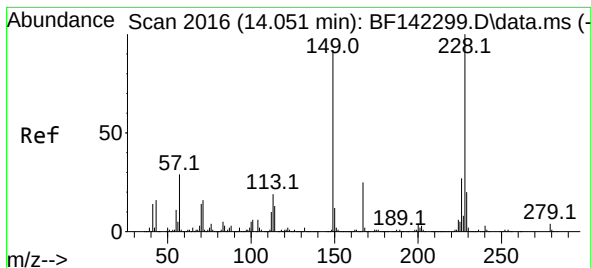
Ion Ratio Lower Upper

149 100

91 194.1 53.8 80.6#

206 0.0 16.6 24.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.302 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BF142319.D

Acq: 12 May 2025 14:43

Instrument :

BNA_F

ClientSampleId :

MH-LL

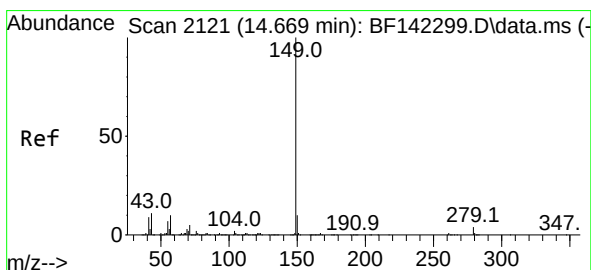
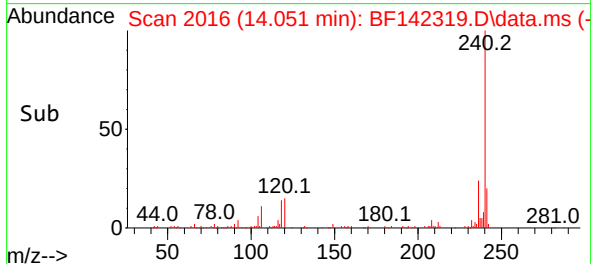
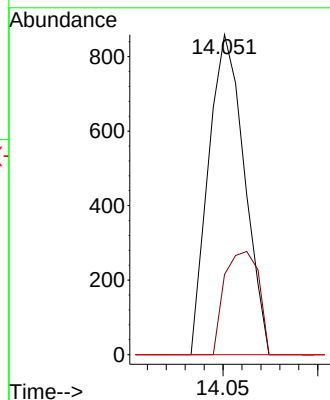
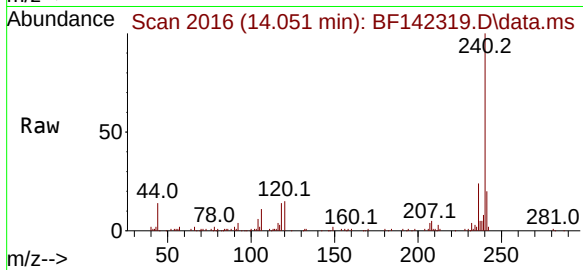
Tgt Ion:149 Resp: 1129

Ion Ratio Lower Upper

149 100

167 25.0 22.0 33.0

279 0.0 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.850 ng

RT: 14.662 min Scan# 2120

Delta R.T. -0.007 min

Lab File: BF142319.D

Acq: 12 May 2025 14:43

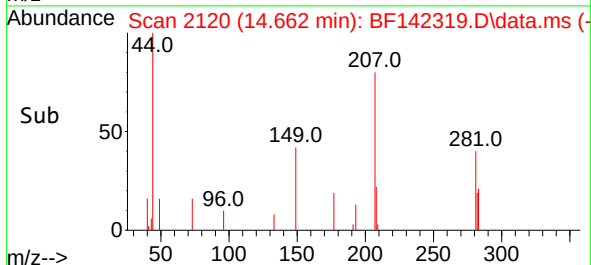
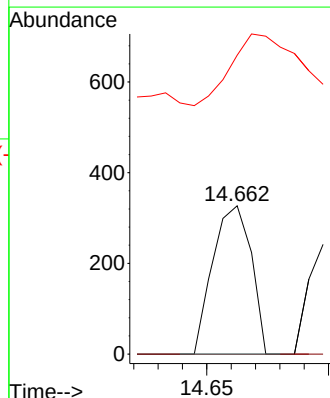
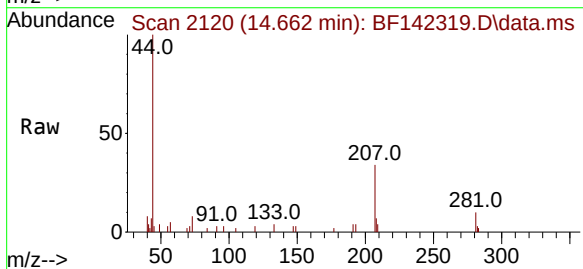
Tgt Ion:149 Resp: 358

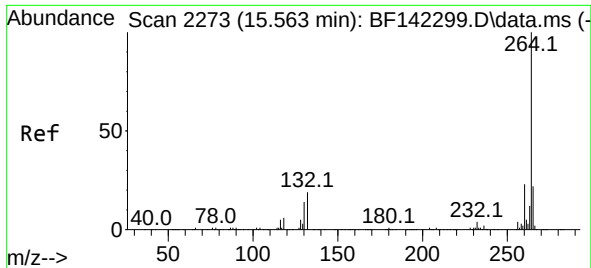
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 85.5 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142319.D
 Acq: 12 May 2025 14:43

Instrument :
 BNA_F
 ClientSampleId :
 MH-LL

Tgt Ion:264 Resp: 265429
 Ion Ratio Lower Upper
 264 100
 260 24.5 18.6 27.8
 265 20.3 17.5 26.3

