

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142381.D
 Acq On : 14 May 2025 22:32
 Operator : RC/JU
 Sample : Q2017-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-J

Quant Time: May 15 01:05:32 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)

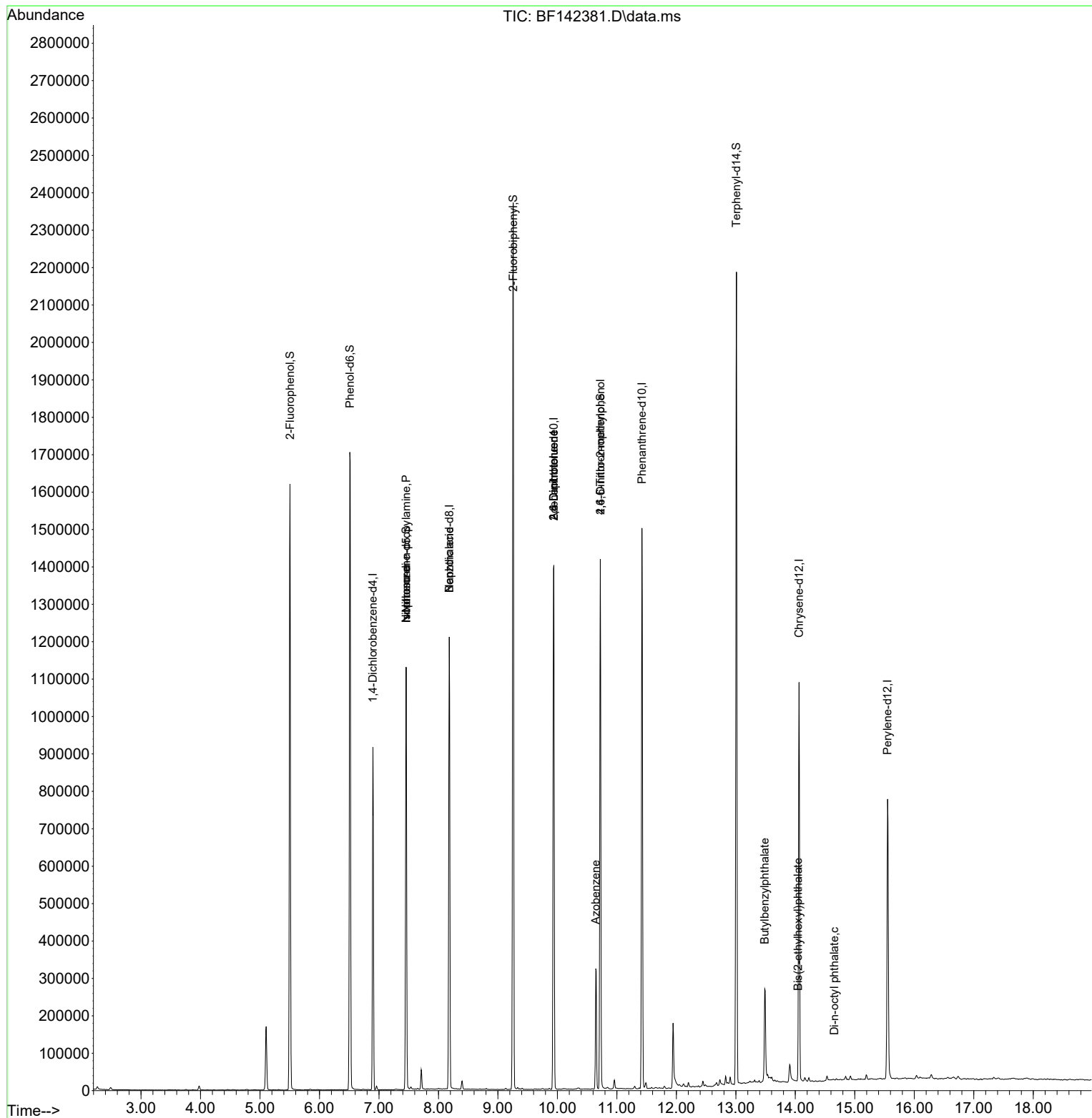
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	193162	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	765450	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	436396	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	772497	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	508245	20.000	ng	0.00
86) Perylene-d12	15.551	264	435987	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	606371	53.588	ng	0.00
7) Phenol-d6	6.510	99	811242	58.291	ng	-0.01
23) Nitrobenzene-d5	7.457	82	459638	36.622	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	244140	57.945	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1077748	35.214	ng	0.00
79) Terphenyl-d14	13.010	244	1045058	30.434	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	61213	7.111	ng	# 77
25) Isophorone	7.457	82	453741	19.091	ng	# 62
32) Benzoic acid	8.181	122	116	6.033	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	55985	10.673	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	55985	8.321	ng	# 25
63) Azobenzene	10.645	77	80712	3.018	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	331	7.263	ng	# 1
80) Butylbenzylphthalate	13.486	149	603	3.701	ng	# 9
84) Bis(2-ethylhexyl)phtha...	14.045	149	2387	4.364	ng	# 91
85) Di-n-octyl phthalate	14.657	149	358	7.849	ng	# 1

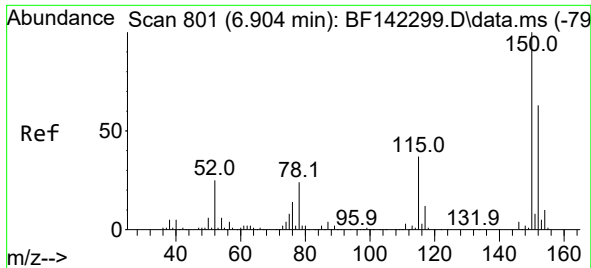
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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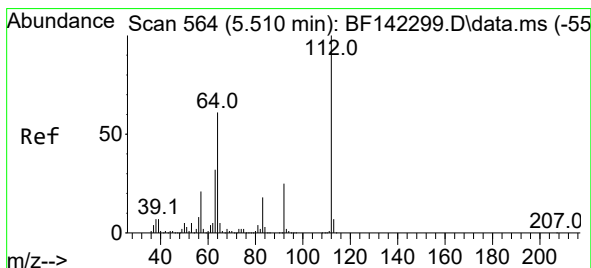
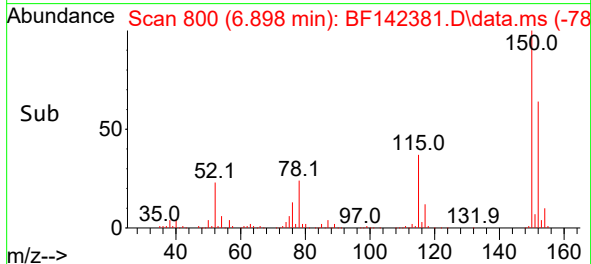
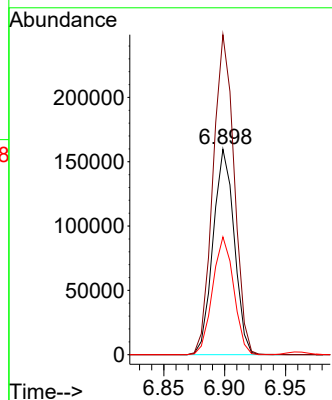
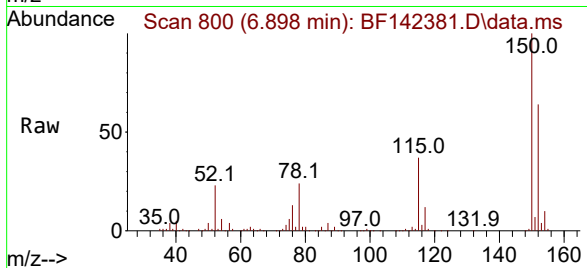




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

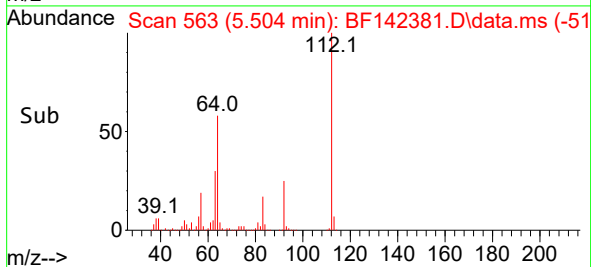
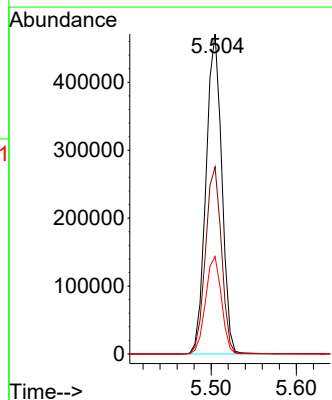
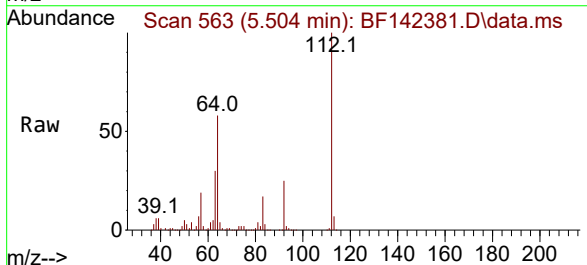
Instrument :
BNA_F
ClientSampleId :
MH-J

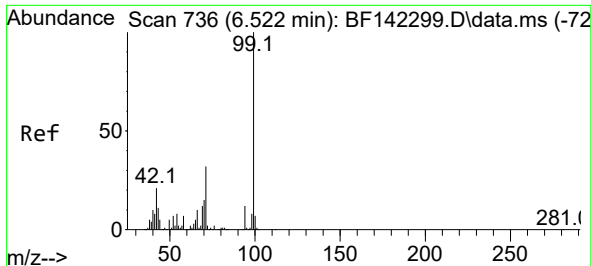
Tgt Ion:152 Resp: 193162
Ion Ratio Lower Upper
152 100
150 155.7 126.6 190.0
115 57.3 47.3 70.9



#5
2-Fluorophenol
Concen: 53.588 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion:112 Resp: 606371
Ion Ratio Lower Upper
112 100
64 58.4 48.9 73.3
63 30.4 25.6 38.4

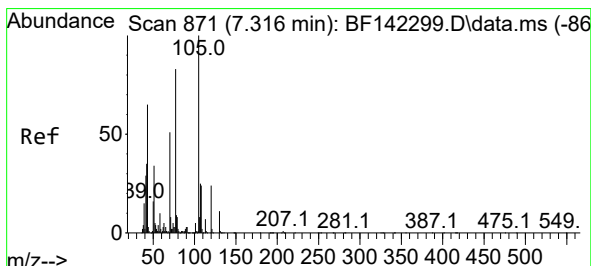
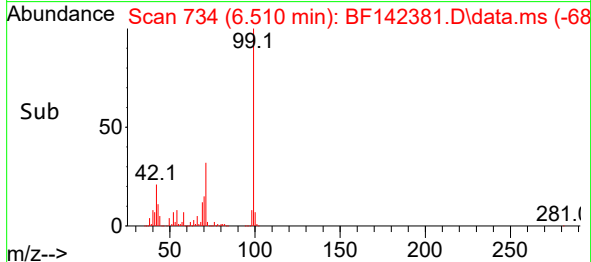
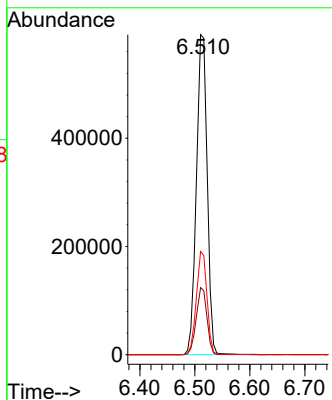
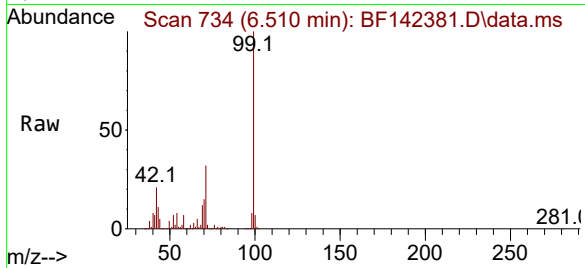




#7
Phenol-d6
Concen: 58.291 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

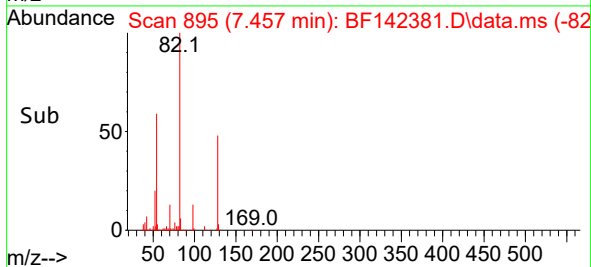
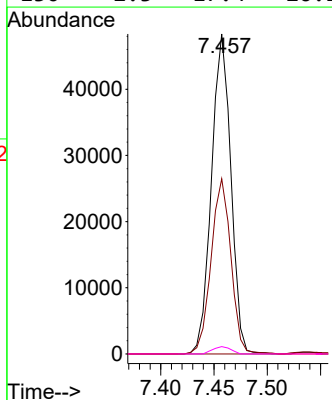
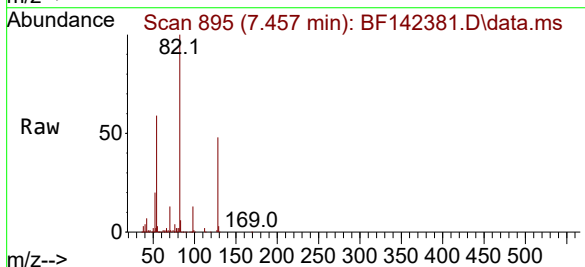
Instrument :
BNA_F
ClientSampleId :
MH-J

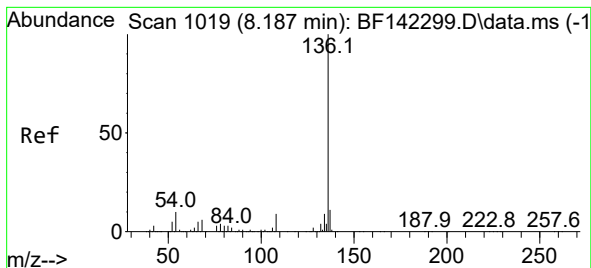
Tgt Ion: 99 Resp: 811242
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.111 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion: 70 Resp: 61213
Ion Ratio Lower Upper
70 100
42 54.8 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: BF142381.D

Acq: 14 May 2025 22:32

Instrument :

BNA_F

ClientSampleId :

MH-J

Tgt Ion:136 Resp: 765450

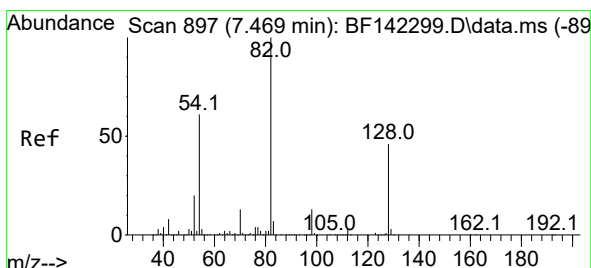
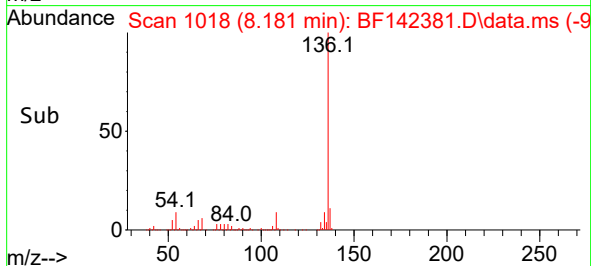
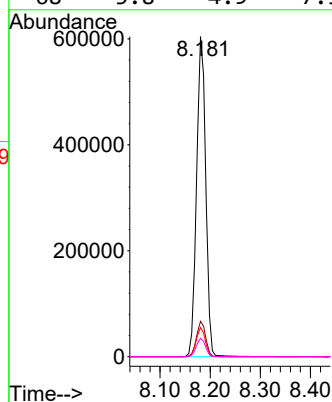
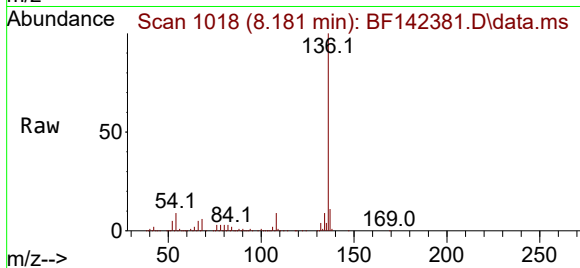
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.1 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 36.622 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142381.D

Acq: 14 May 2025 22:32

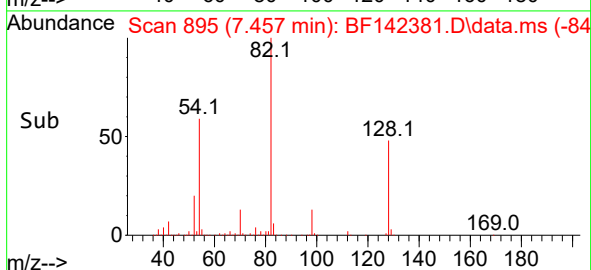
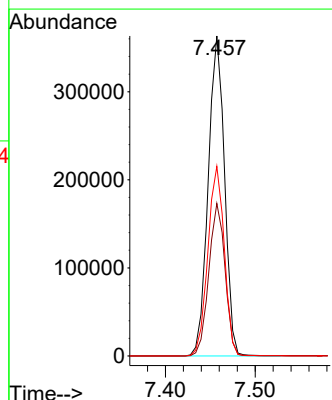
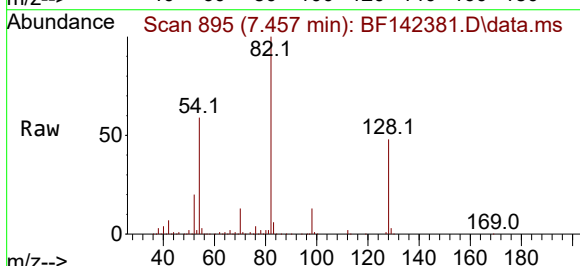
Tgt Ion: 82 Resp: 459638

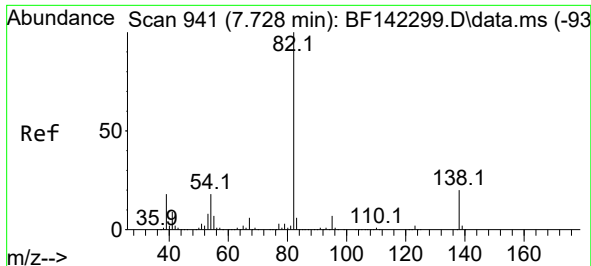
Ion Ratio Lower Upper

82 100

128 47.7 37.0 55.6

54 59.2 48.6 73.0

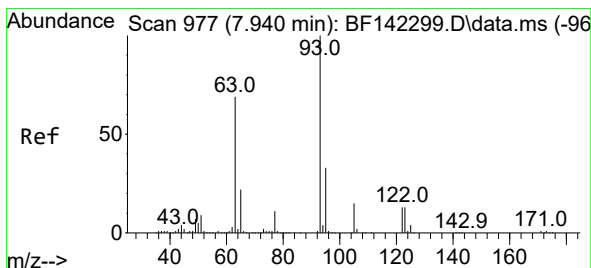
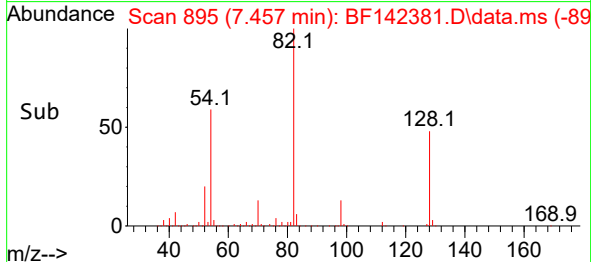
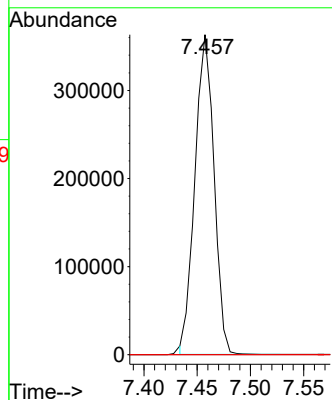
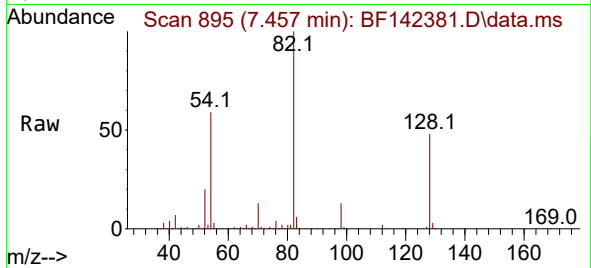




#25
Isophorone
Concen: 19.091 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

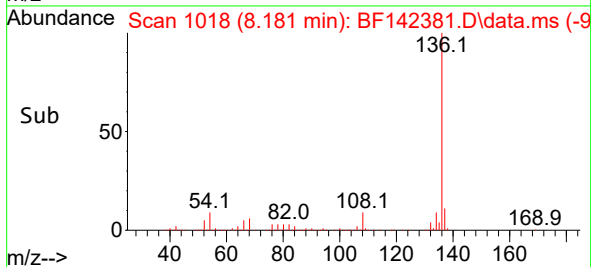
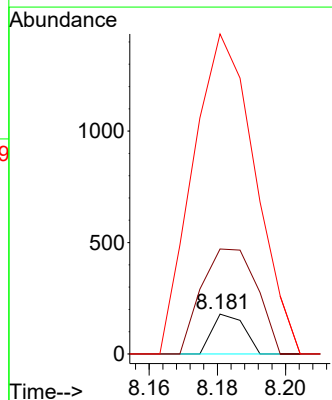
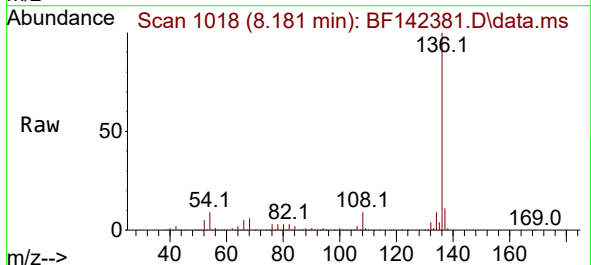
Instrument :
BNA_F
ClientSampleId :
MH-J

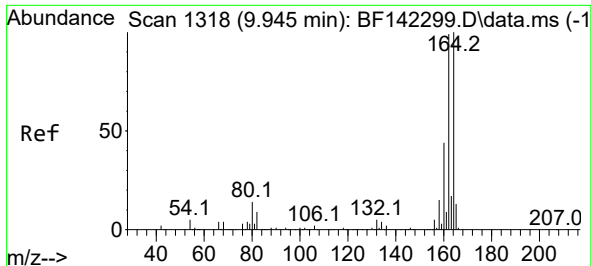
Tgt Ion: 82 Resp: 453741
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.033 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.241 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 263.1 97.9 137.9#
77 802.2 67.7 107.7#

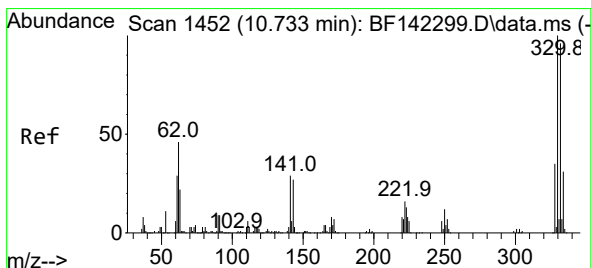
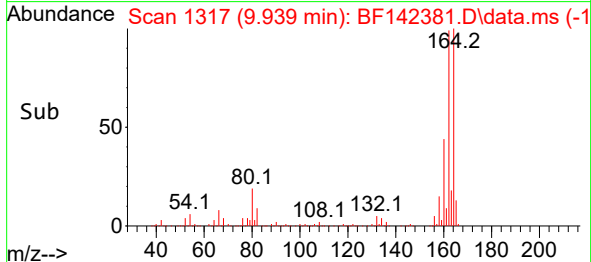
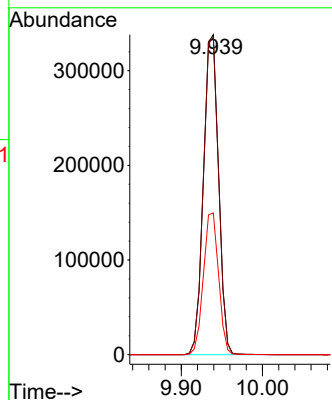
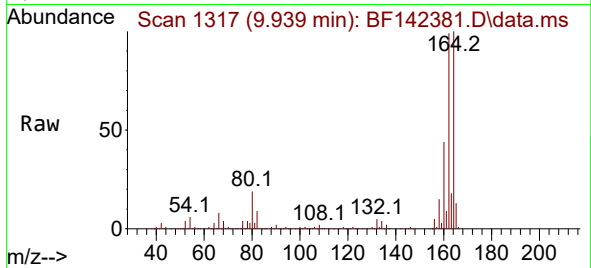




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

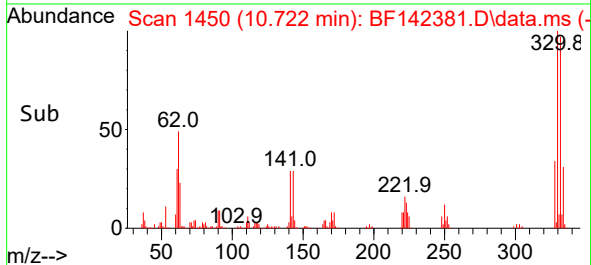
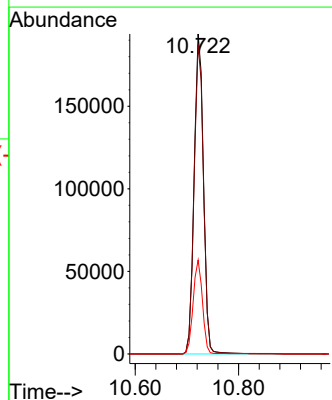
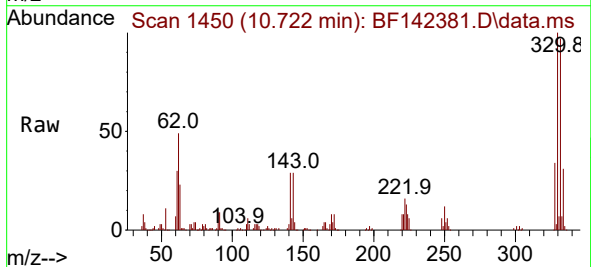
Instrument :
BNA_F
ClientSampleId :
MH-J

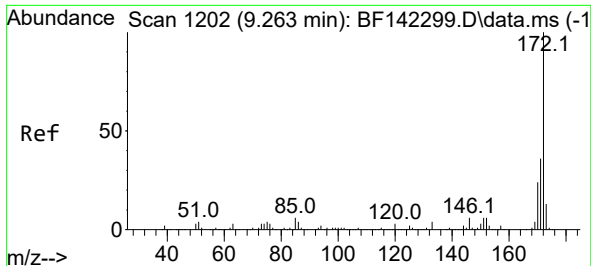
Tgt Ion:164 Resp: 436396
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 44.3 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 57.945 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion:330 Resp: 244140
Ion Ratio Lower Upper
330 100
332 96.9 76.8 115.2
141 29.2 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 35.214 ng

RT: 9.257 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142381.D

Acq: 14 May 2025 22:32

Instrument :

BNA_F

ClientSampleId :

MH-J

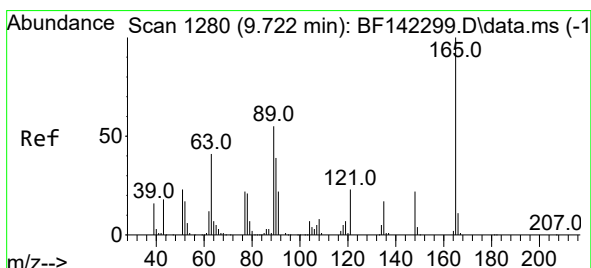
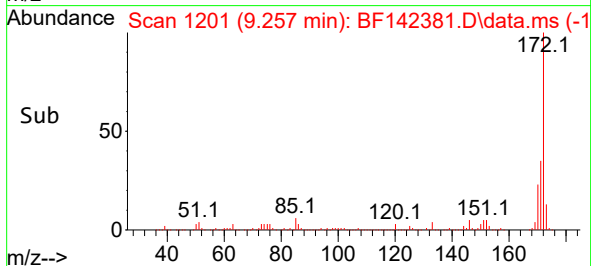
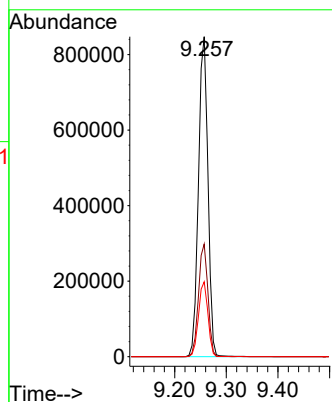
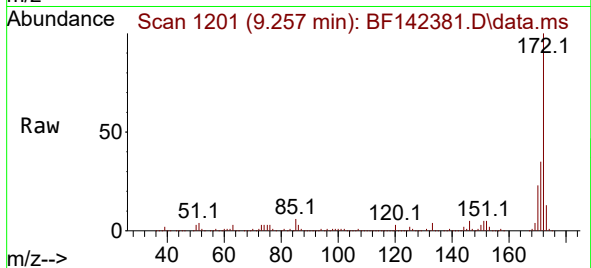
Tgt Ion:172 Resp: 1077748

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.4 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.673 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.218 min

Lab File: BF142381.D

Acq: 14 May 2025 22:32

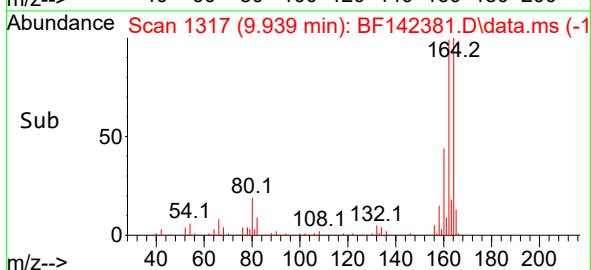
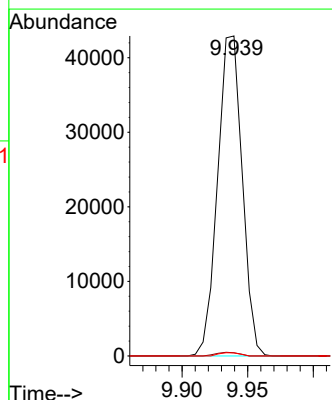
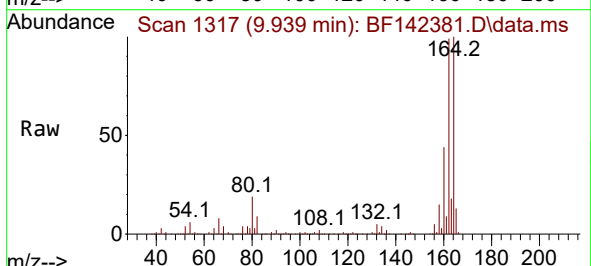
Tgt Ion:165 Resp: 55985

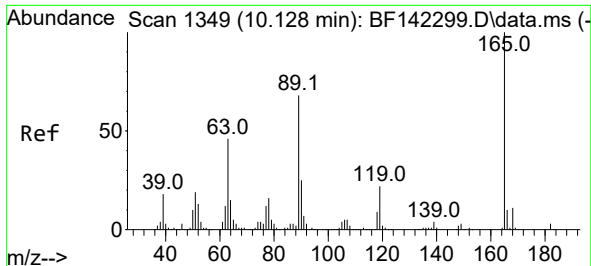
Ion Ratio Lower Upper

165 100

63 1.0 49.5 74.3#

89 0.9 44.6 66.8#

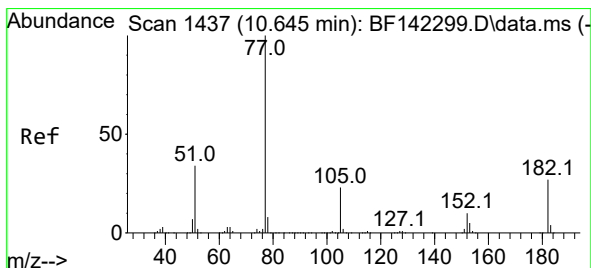
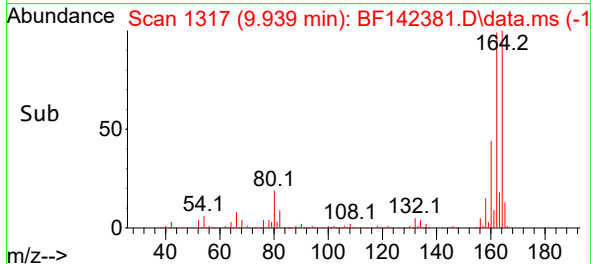
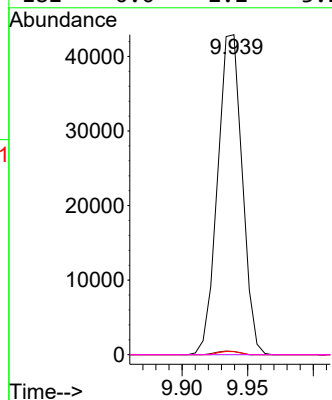
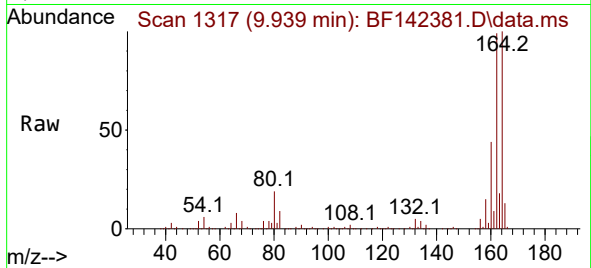




#57
2,4-Dinitrotoluene
Concen: 8.321 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

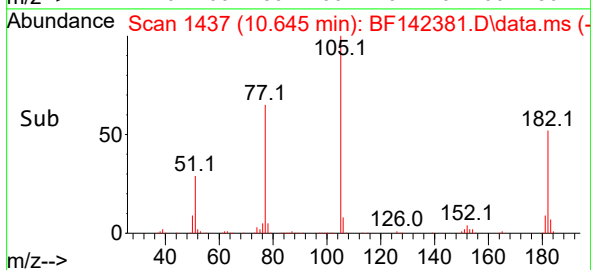
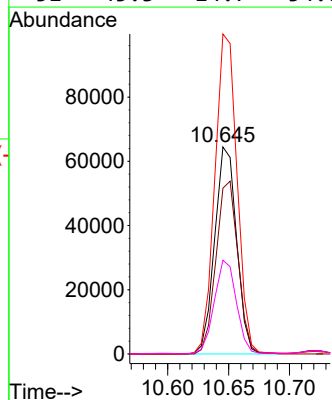
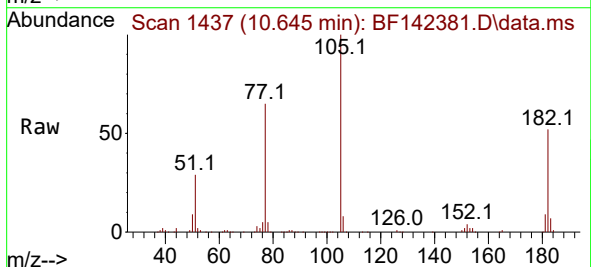
Instrument :
BNA_F
ClientSampleId :
MH-J

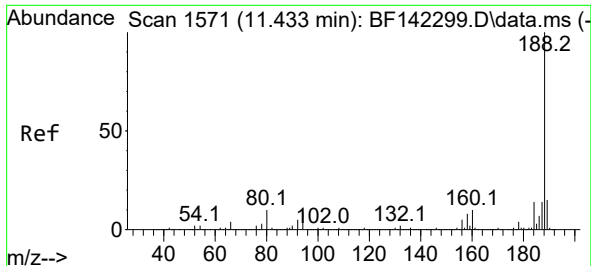
Tgt Ion:165 Resp: 55985
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 0.9 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.018 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion: 77 Resp: 80712
Ion Ratio Lower Upper
77 100
182 80.0 6.9 46.9#
105 154.6 2.7 42.7#
51 45.3 14.7 54.7

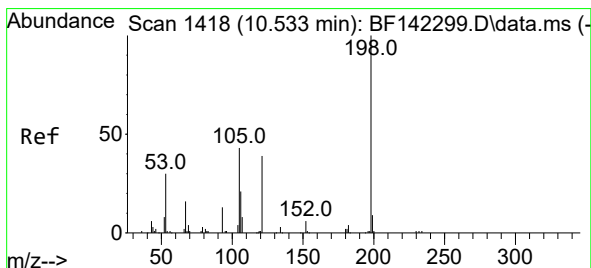
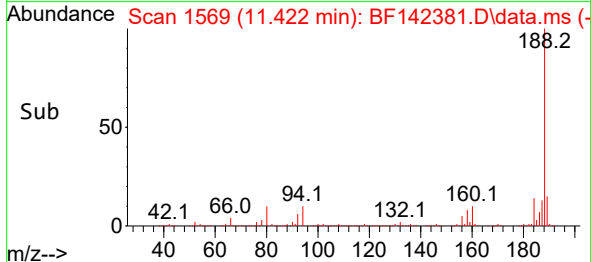
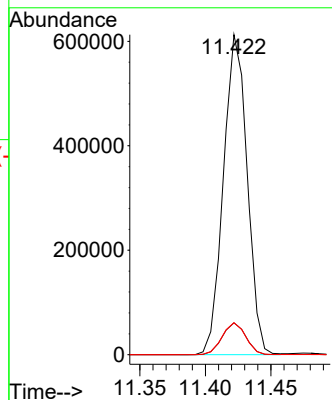
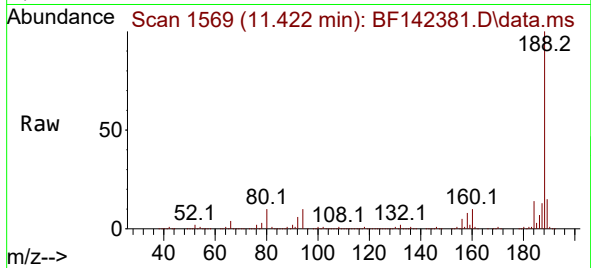




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

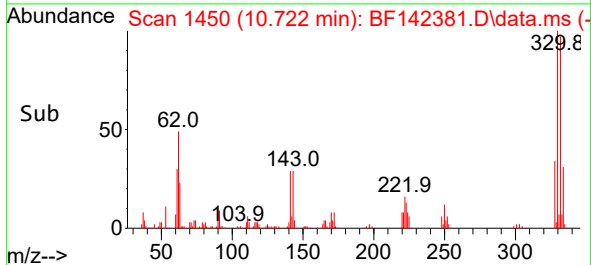
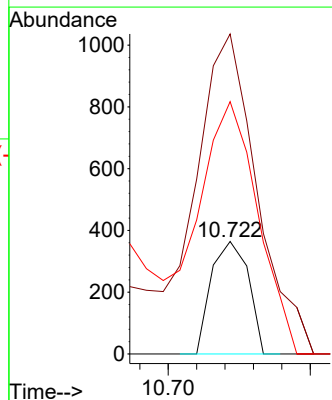
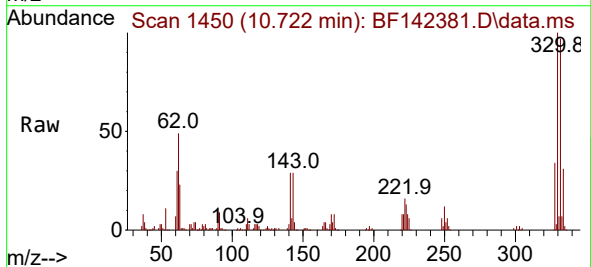
Instrument :
BNA_F
ClientSampleId :
MH-J

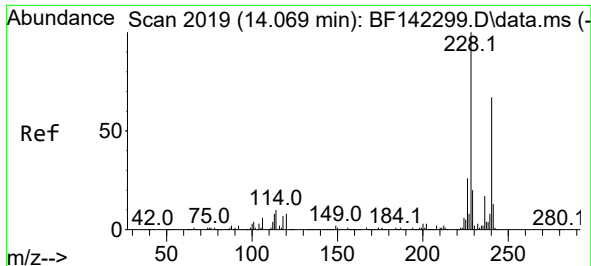
Tgt Ion:188 Resp: 772497
Ion Ratio Lower Upper
188 100
94 10.0 7.5 11.3
80 10.0 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.263 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion:198 Resp: 331
Ion Ratio Lower Upper
198 100
51 284.6 32.9 72.9#
105 224.5 23.7 63.7#

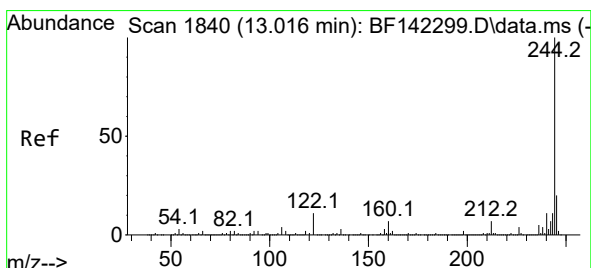
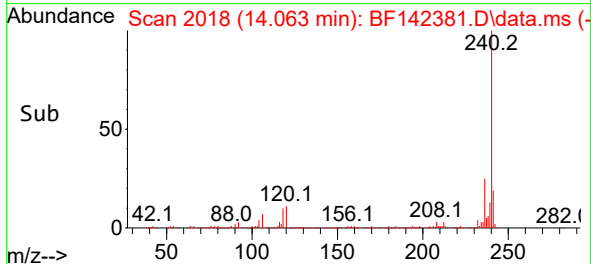
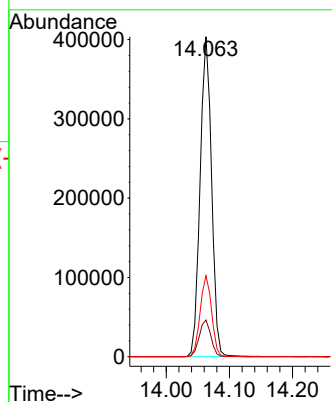
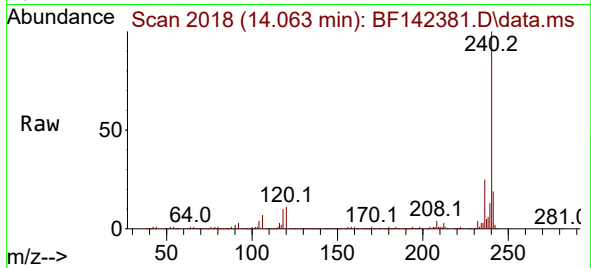




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

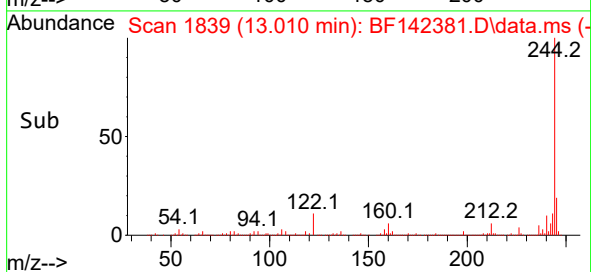
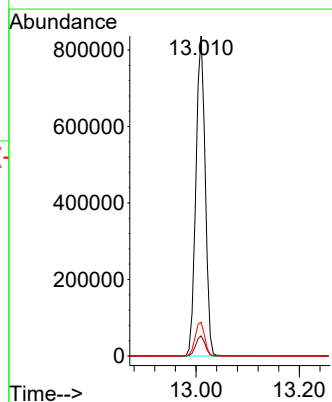
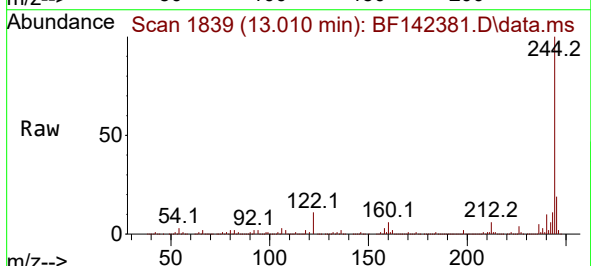
Instrument :
BNA_F
ClientSampleId :
MH-J

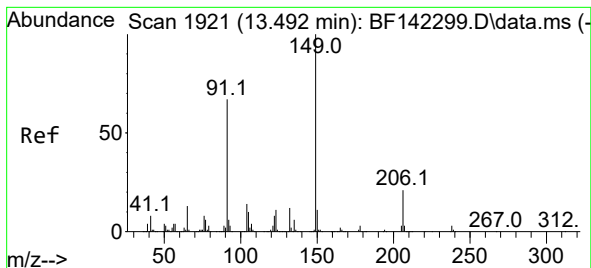
Tgt Ion:240 Resp: 508245
Ion Ratio Lower Upper
240 100
120 11.4 9.7 14.5
236 25.3 20.0 30.0



#79
Terphenyl-d14
Concen: 30.434 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion:244 Resp: 1045058
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.2
122 10.5 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.701 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142381.D

Acq: 14 May 2025 22:32

Instrument :

BNA_F

ClientSampleId :

MH-J

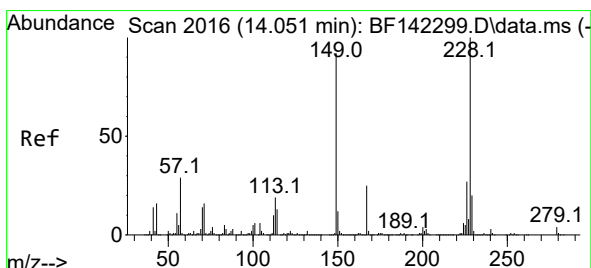
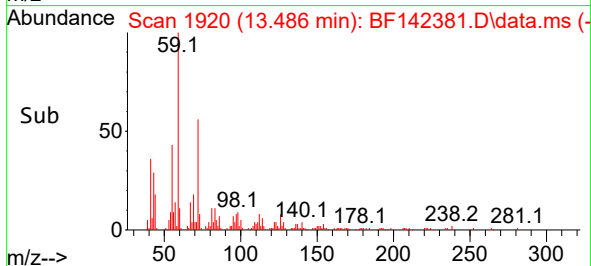
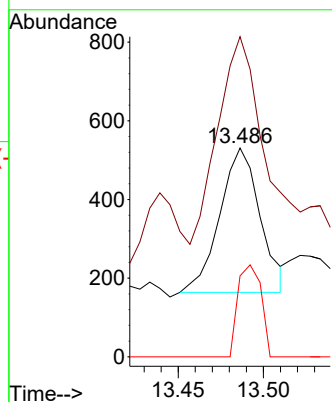
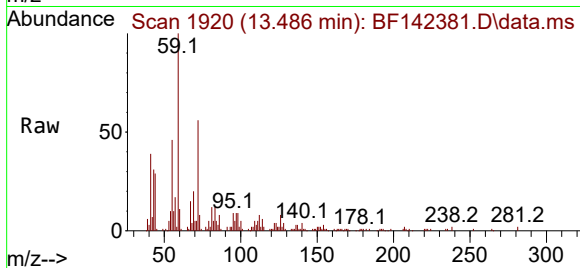
Tgt Ion:149 Resp: 603

Ion Ratio Lower Upper

149 100

91 153.3 53.8 80.6#

206 38.8 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.364 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142381.D

Acq: 14 May 2025 22:32

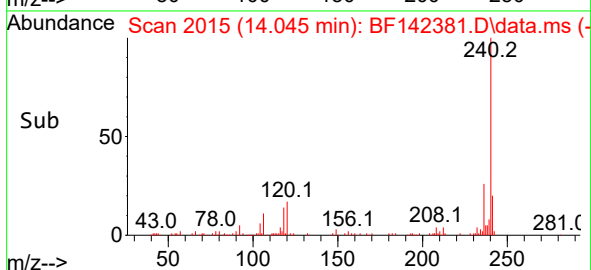
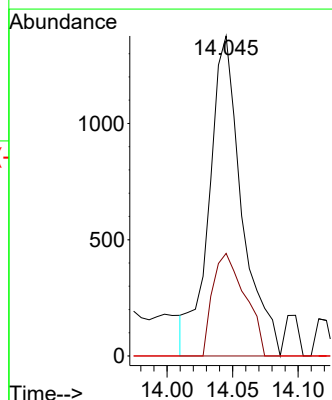
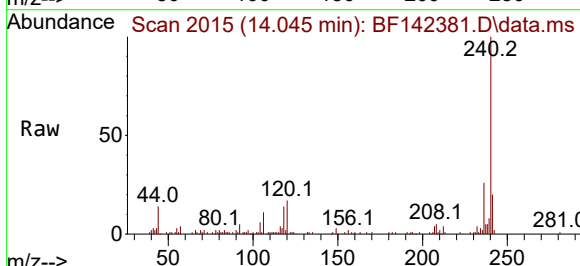
Tgt Ion:149 Resp: 2387

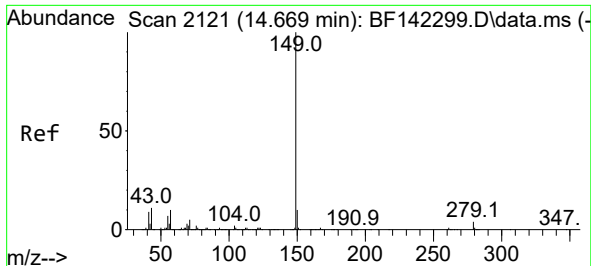
Ion Ratio Lower Upper

149 100

167 32.0 22.0 33.0

279 0.0 3.0 4.6#

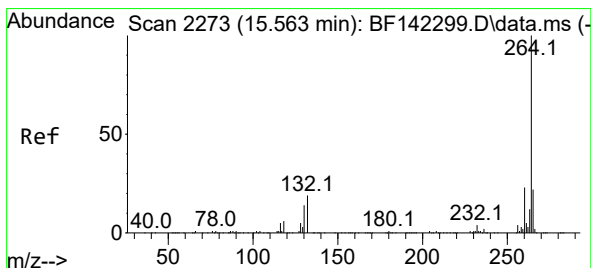
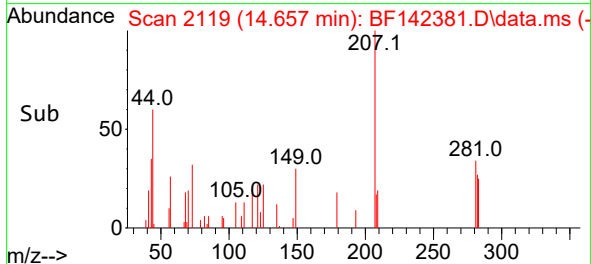
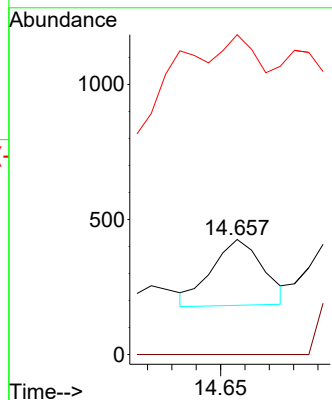
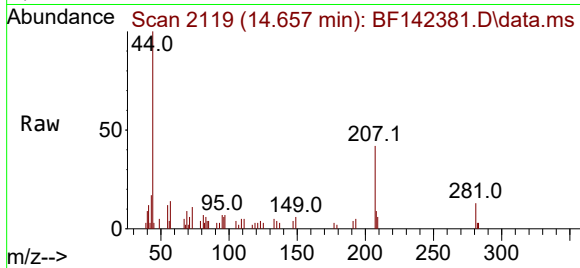




#85
Di-n-octyl phthalate
Concen: 7.849 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Instrument :
BNA_F
ClientSampleId :
MH-J

Tgt Ion:149 Resp: 358
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 233.5 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142381.D
Acq: 14 May 2025 22:32

Tgt Ion:264 Resp: 435987
Ion Ratio Lower Upper
264 100
260 22.9 18.6 27.8
265 21.4 17.5 26.3

