

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142377.D
 Acq On : 14 May 2025 20:37
 Operator : RC/JU
 Sample : Q2017-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-J

Quant Time: May 15 01:04:31 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

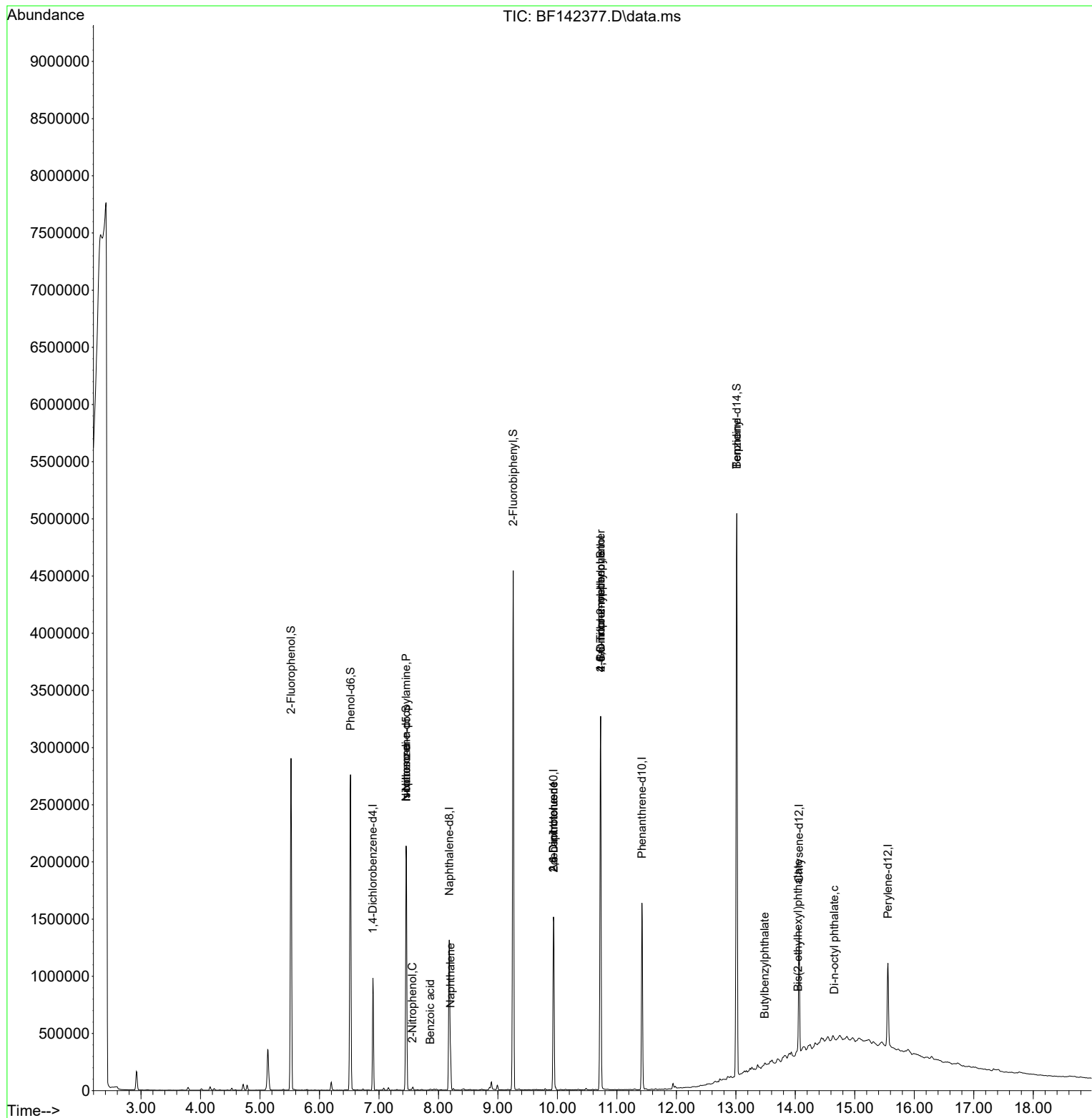
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	207314	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	826406	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	479000	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	849473	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	535431	20.000	ng	0.00
86) Perylene-d12	15.557	264	446219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1135359	93.488	ng	0.01
7) Phenol-d6	6.522	99	1377322	92.211	ng	0.00
23) Nitrobenzene-d5	7.457	82	929225	68.575	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	666002	144.011	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2157690	64.230	ng	0.00
79) Terphenyl-d14	13.016	244	2612947	72.230	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	125423	13.575	ng	# 77
25) Isophorone	7.457	82	920166	35.860	ng	# 62
26) 2-Nitrophenol	7.563	139	213	4.119	ng	# 36
31) Naphthalene	8.204	128	203898	5.091	ng	98
32) Benzoic acid	7.863	122	3457	6.526	ng	97
51) 2,6-Dinitrotoluene	9.933	165	61643	10.707	ng	# 23
57) 2,4-Dinitrotoluene	9.933	165	61643	8.347	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	1168	7.436	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	38730	4.023	ng	# 1
77) Benzidine	13.016	184	31137	3.200	ng	98
80) Butylbenzylphthalate	13.486	149	1663	3.770	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	12956	4.889	ng	# 96
85) Di-n-octyl phthalate	14.657	149	2243	7.897	ng	# 70

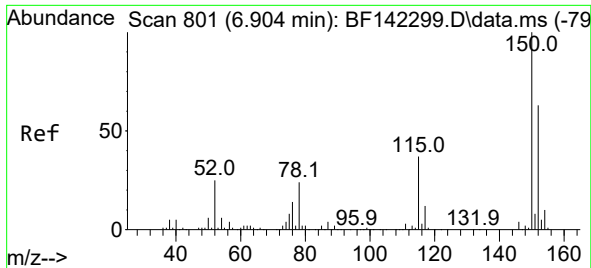
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
Data File : BF142377.D
Acq On : 14 May 2025 20:37
Operator : RC/JU
Sample : Q2017-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-J

Quant Time: May 15 01:04:31 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

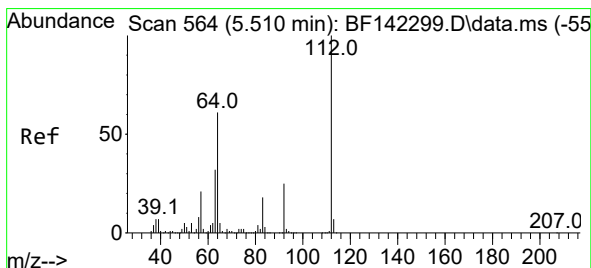
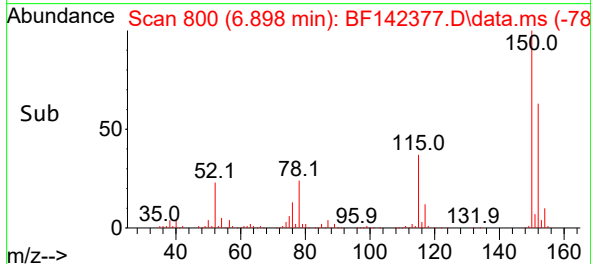
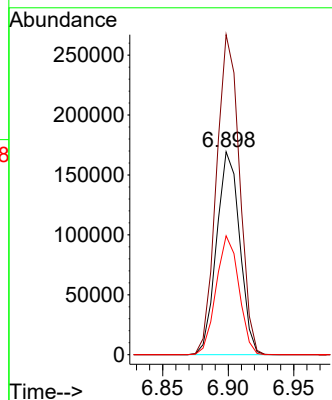
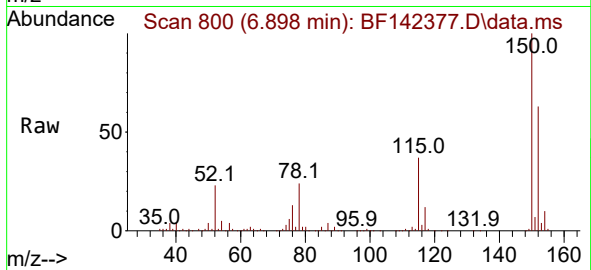




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

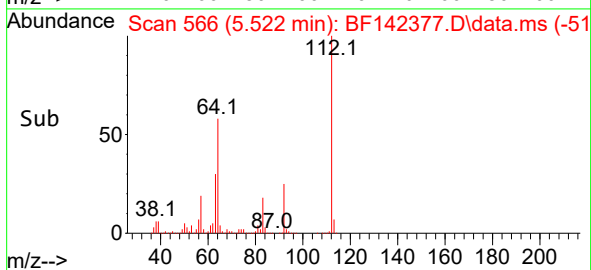
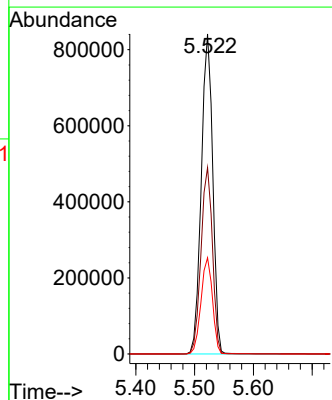
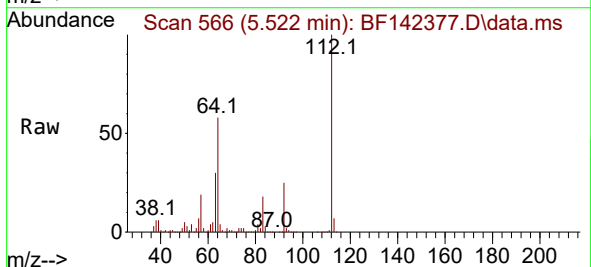
Instrument :
BNA_F
ClientSampleId :
MH-J

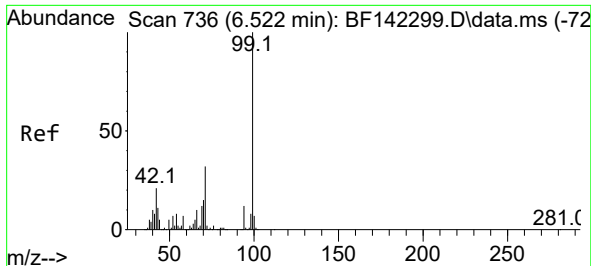
Tgt Ion:152 Resp: 207314
Ion Ratio Lower Upper
152 100
150 157.8 126.6 190.0
115 58.6 47.3 70.9



#5
2-Fluorophenol
Concen: 93.488 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion:112 Resp: 1135359
Ion Ratio Lower Upper
112 100
64 58.2 48.9 73.3
63 30.0 25.6 38.4

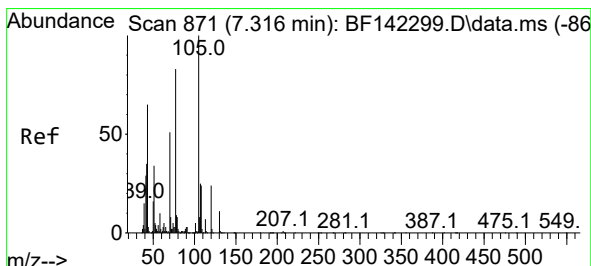
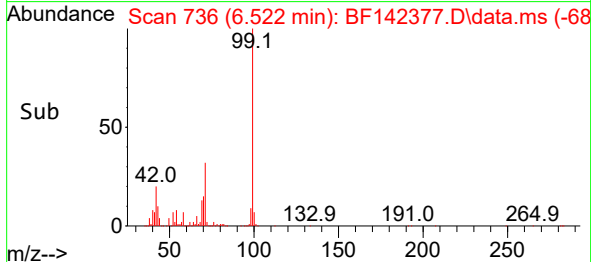
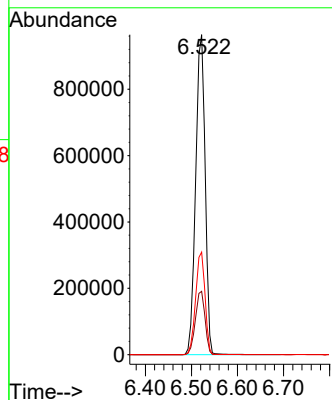
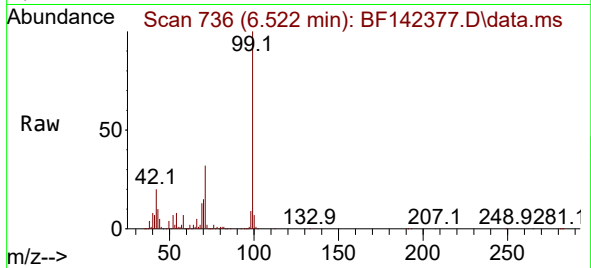




#7
Phenol-d6
Concen: 92.211 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

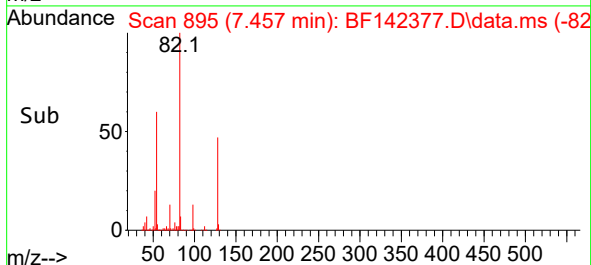
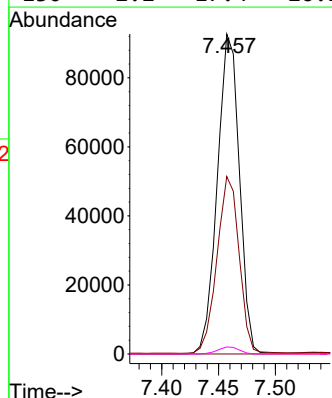
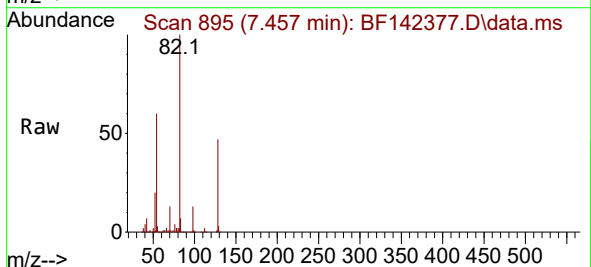
Instrument :
BNA_F
ClientSampleId :
MH-J

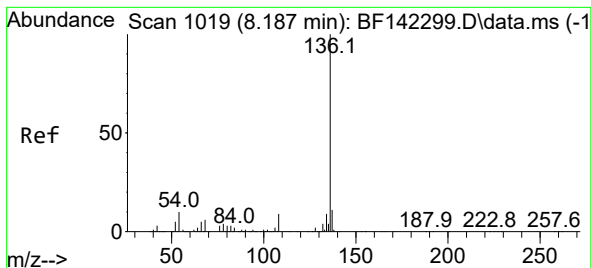
Tgt Ion: 99 Resp: 1377322
Ion Ratio Lower Upper
99 100
42 19.8 17.0 25.4
71 32.1 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.575 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion: 70 Resp: 125423
Ion Ratio Lower Upper
70 100
42 55.4 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: BF142377.D

Acq: 14 May 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MH-J

Tgt Ion:136 Resp: 826406

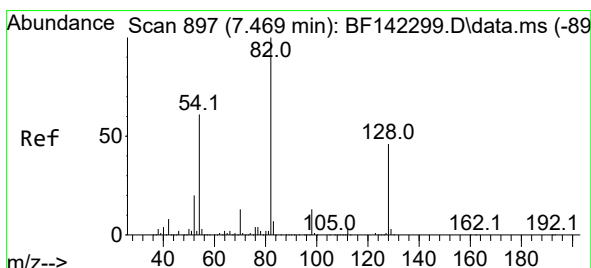
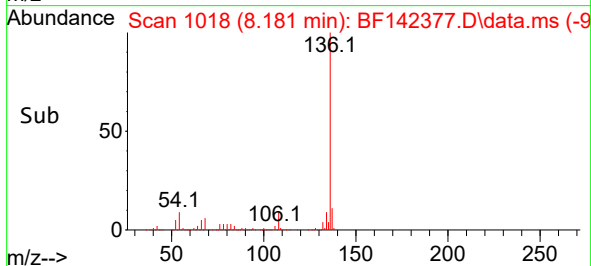
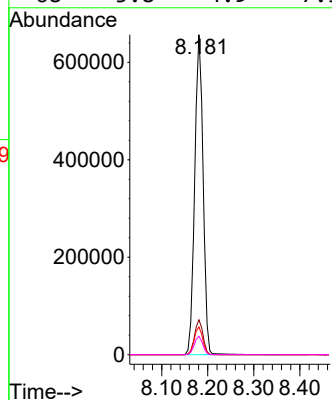
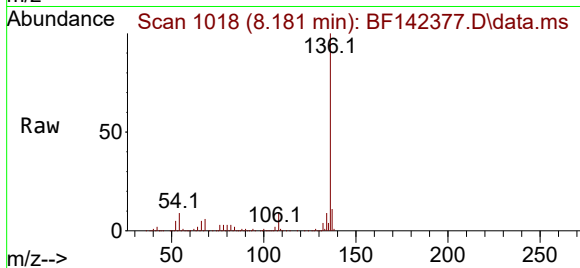
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.7 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 68.575 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

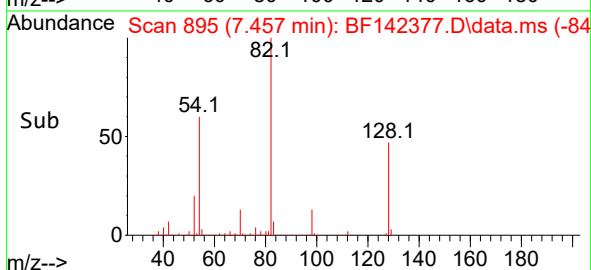
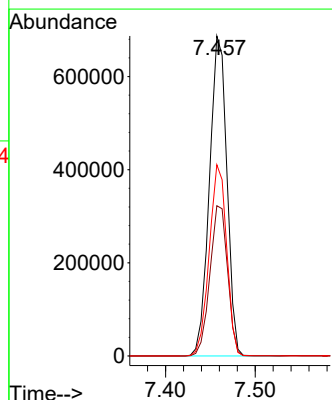
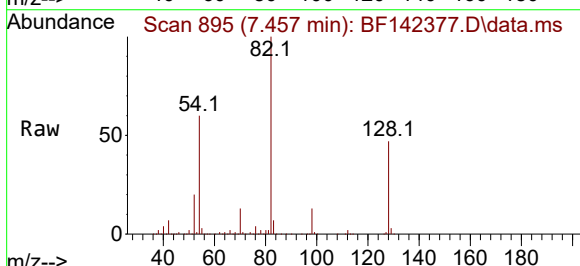
Tgt Ion: 82 Resp: 929225

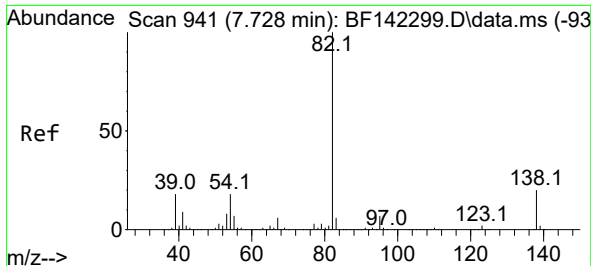
Ion Ratio Lower Upper

82 100

128 46.9 37.0 55.6

54 59.7 48.6 73.0

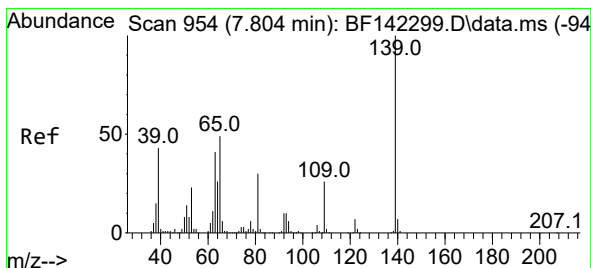
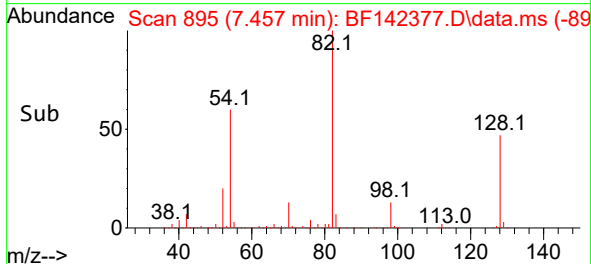
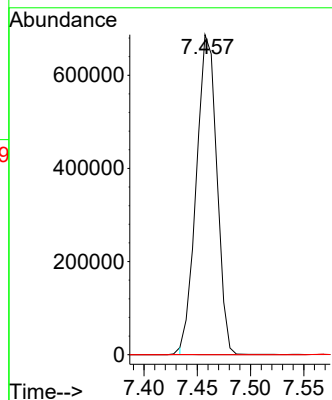
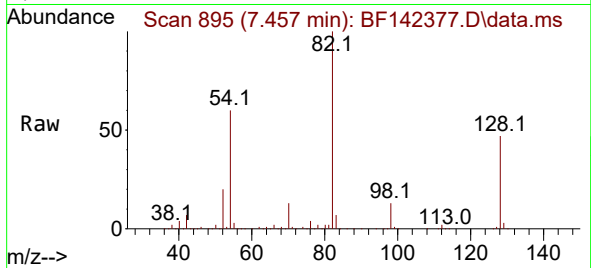




#25
Isophorone
Concen: 35.860 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

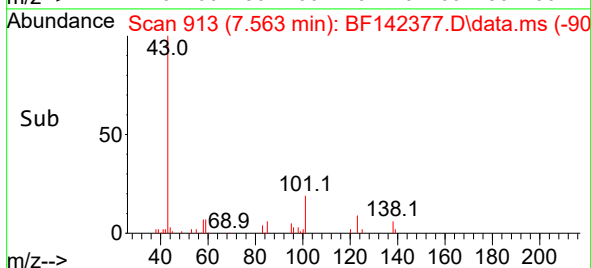
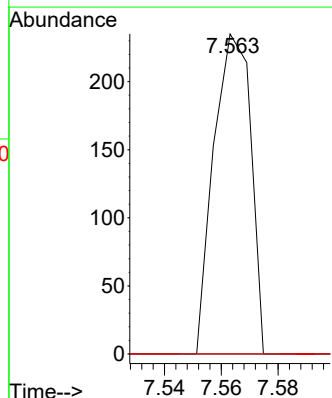
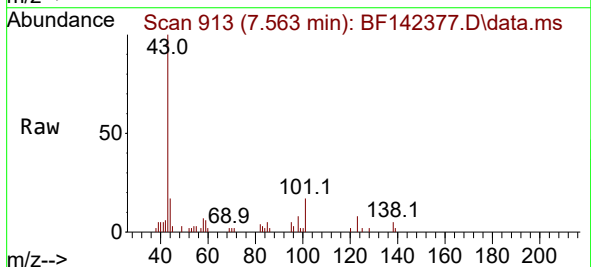
Instrument :
BNA_F
ClientSampleId :
MH-J

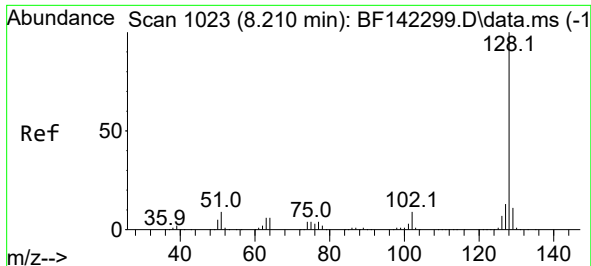
Tgt Ion: 82 Resp: 920166
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.119 ng
RT: 7.563 min Scan# 913
Delta R.T. -0.241 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion: 139 Resp: 213
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

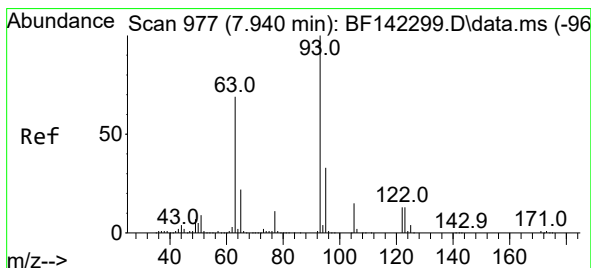
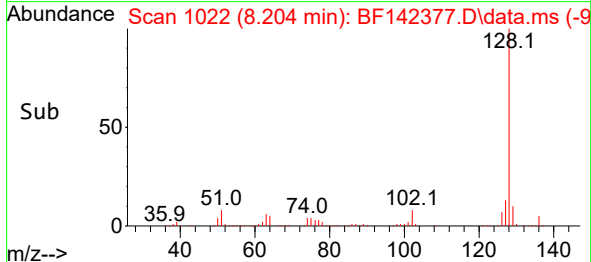
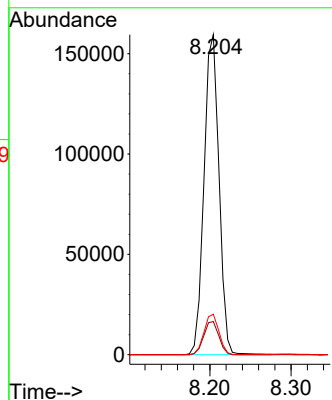
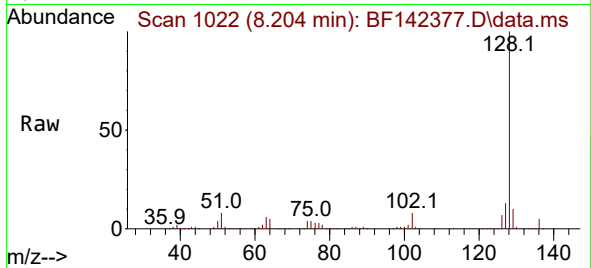




#31
Naphthalene
Concen: 5.091 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

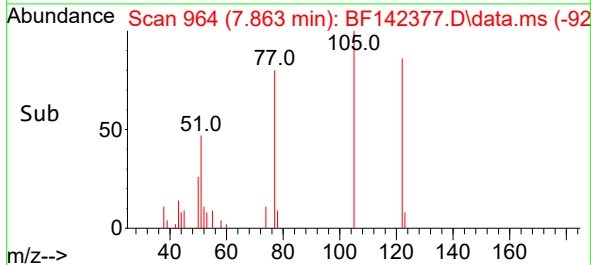
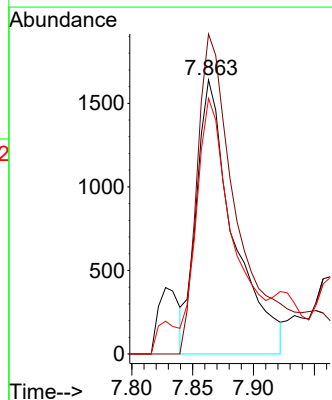
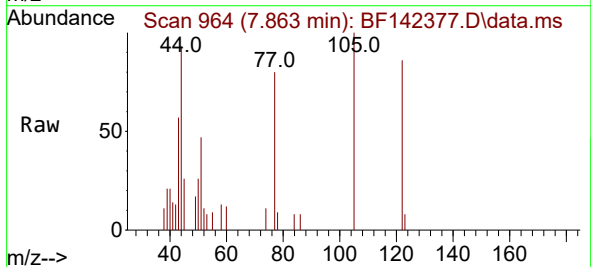
Instrument :
BNA_F
ClientSampleId :
MH-J

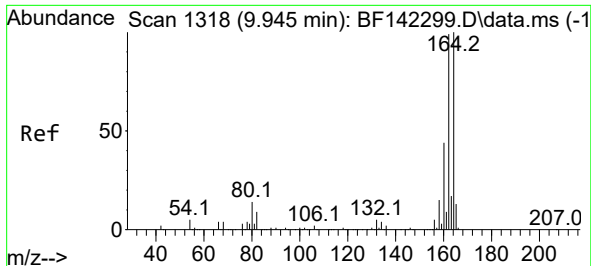
Tgt Ion:128 Resp: 203898
Ion Ratio Lower Upper
128 100
129 10.4 9.1 13.7
127 12.6 10.5 15.7



#32
Benzoic acid
Concen: 6.526 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.077 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion:122 Resp: 3457
Ion Ratio Lower Upper
122 100
105 116.8 97.9 137.9
77 93.2 67.7 107.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MH-J

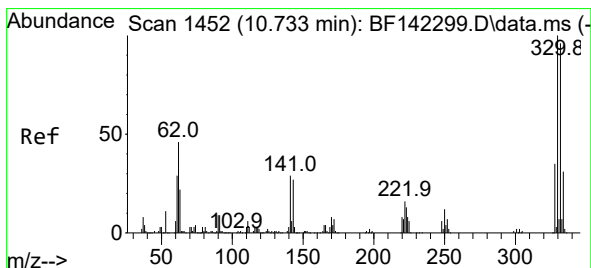
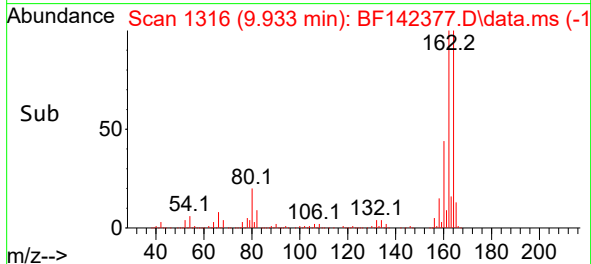
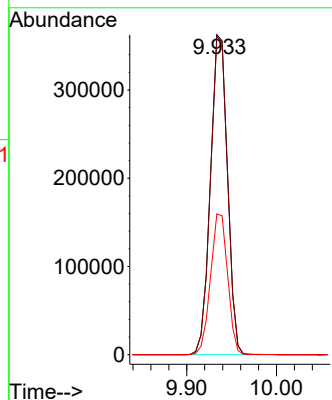
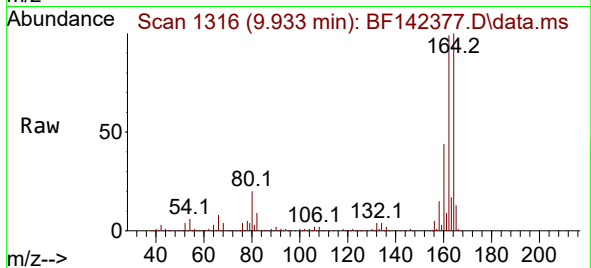
Tgt Ion:164 Resp: 479000

Ion Ratio Lower Upper

164 100

162 99.5 79.2 118.8

160 44.0 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 144.011 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

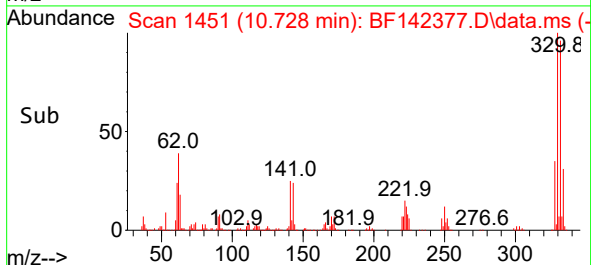
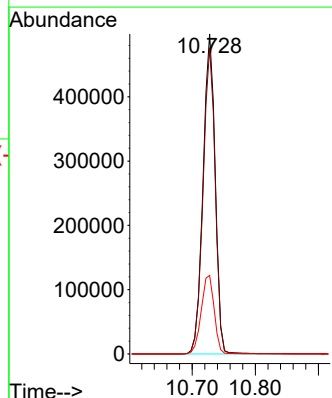
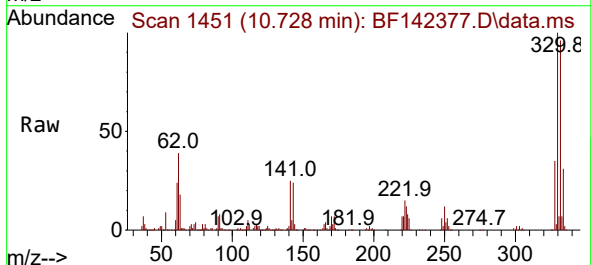
Tgt Ion:330 Resp: 666002

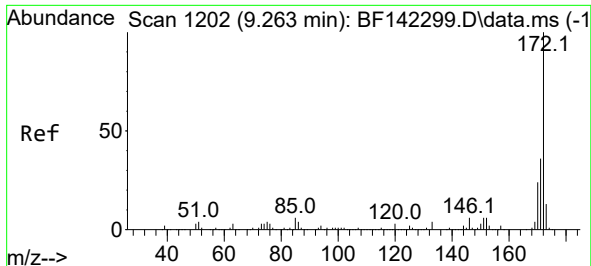
Ion Ratio Lower Upper

330 100

332 95.6 76.8 115.2

141 26.3 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 64.230 ng

RT: 9.257 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MH-J

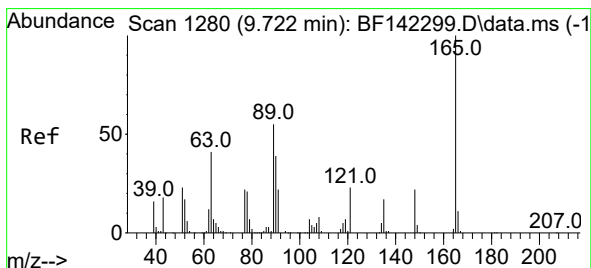
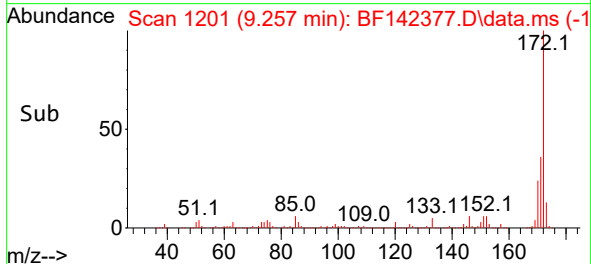
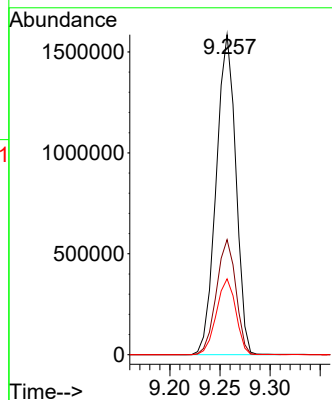
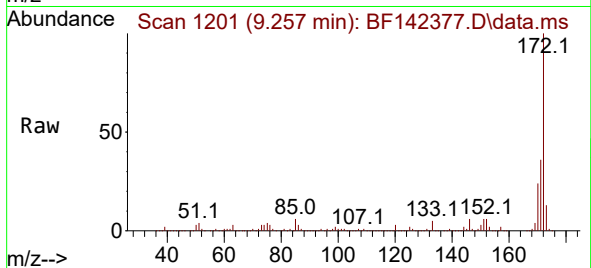
Tgt Ion:172 Resp: 2157690

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

170 23.7 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.707 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

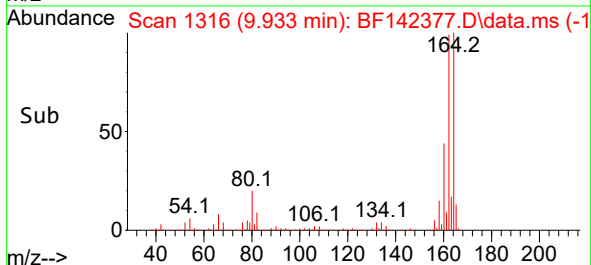
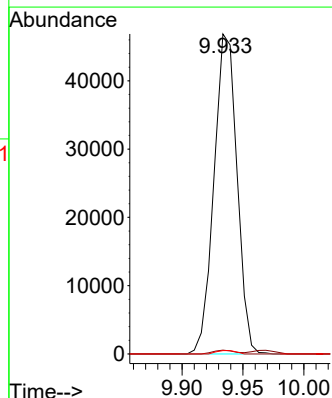
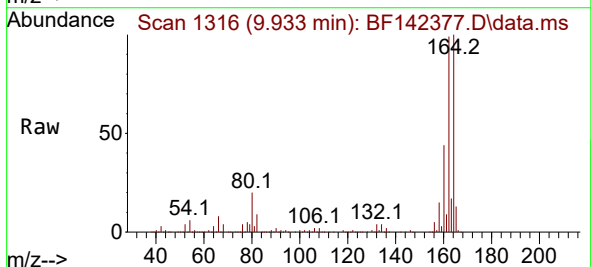
Tgt Ion:165 Resp: 61643

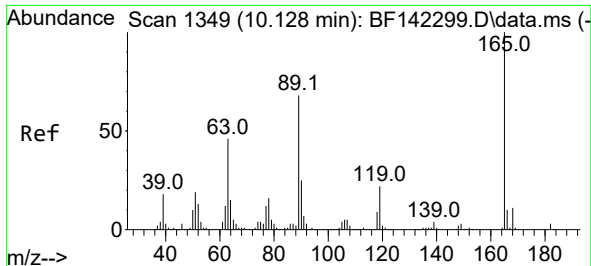
Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.1 44.6 66.8#

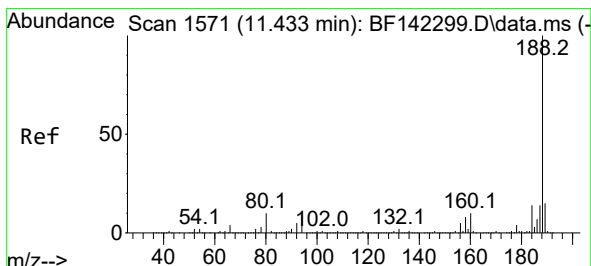
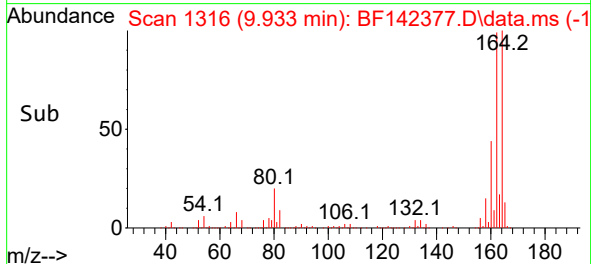
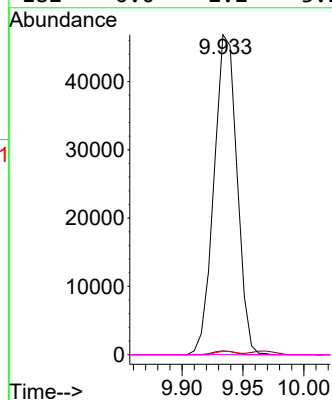
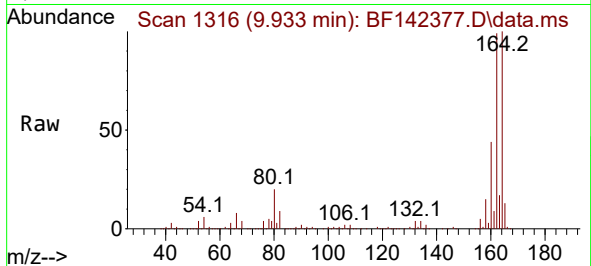




#57
2,4-Dinitrotoluene
Concen: 8.347 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

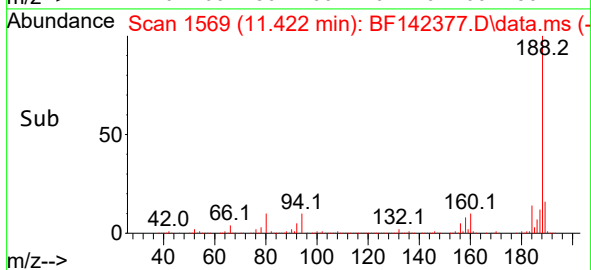
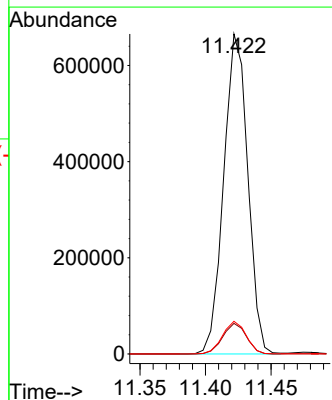
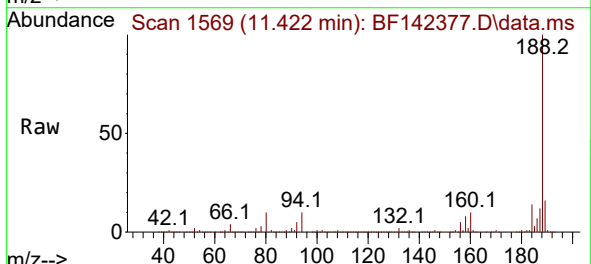
Instrument :
BNA_F
ClientSampleId :
MH-J

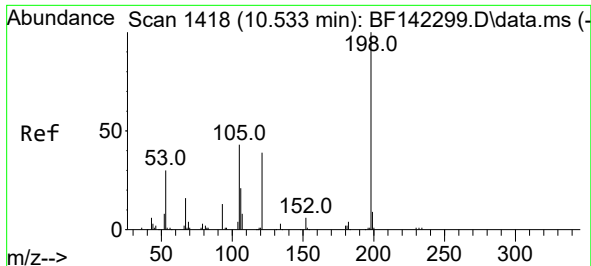
Tgt Ion:165 Resp: 61643
Ion Ratio Lower Upper
165 100
63 1.2 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion:188 Resp: 849473
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.2 7.9 11.9

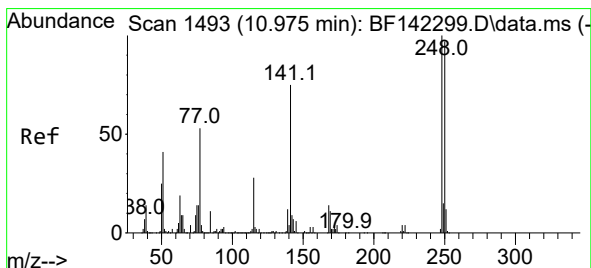
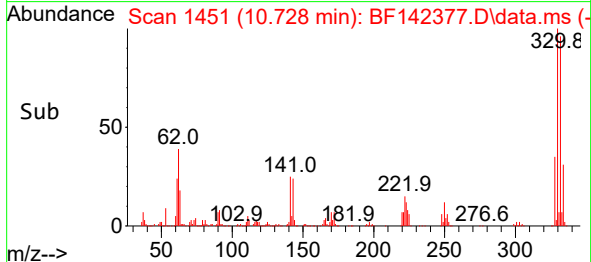
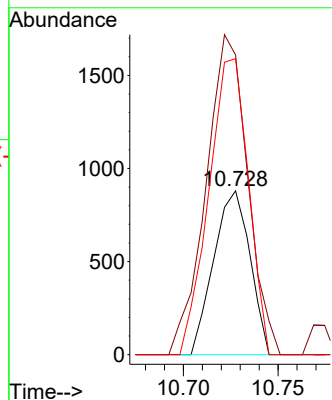
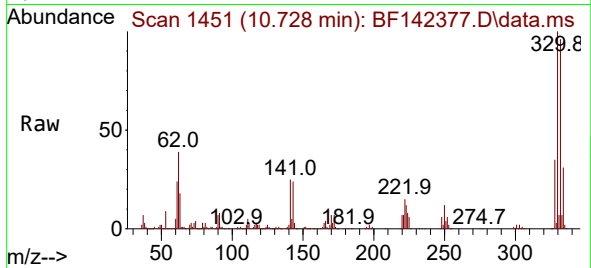




#65
4,6-Dinitro-2-methylphenol
Concen: 7.436 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

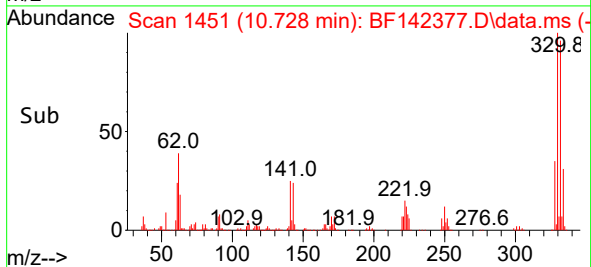
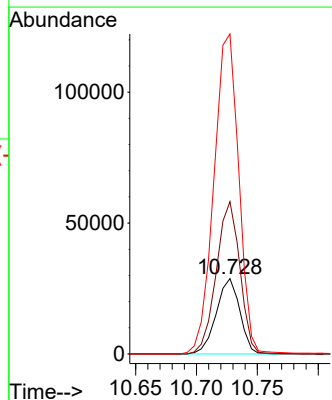
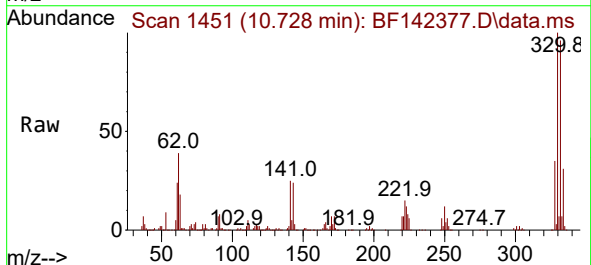
Instrument :
BNA_F
ClientSampleId :
MH-J

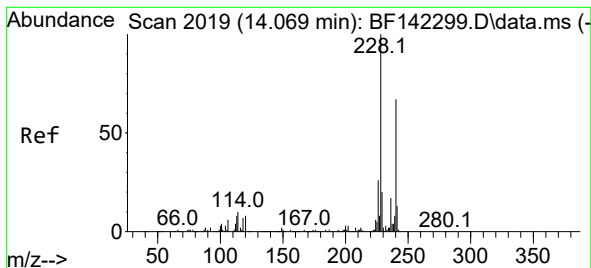
Tgt Ion:198 Resp: 1168
Ion Ratio Lower Upper
198 100
51 183.0 32.9 72.9#
105 180.7 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 4.023 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion:248 Resp: 38730
Ion Ratio Lower Upper
248 100
250 202.0 77.9 116.9#
141 424.6 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: BF142377.D

Acq: 14 May 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MH-J

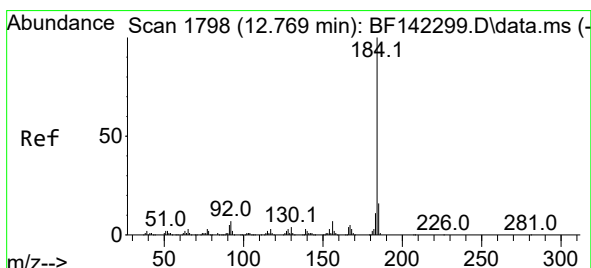
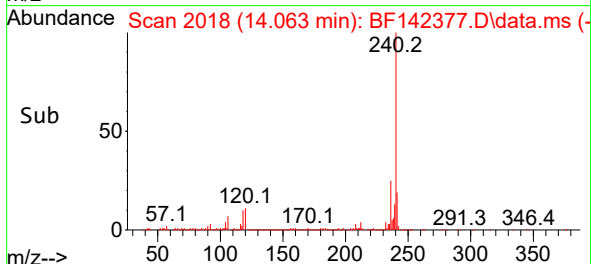
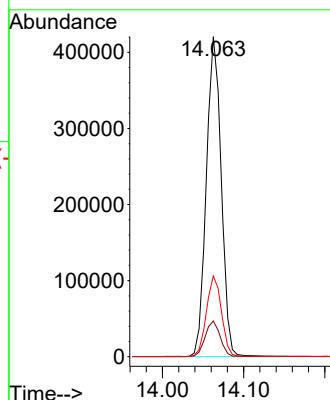
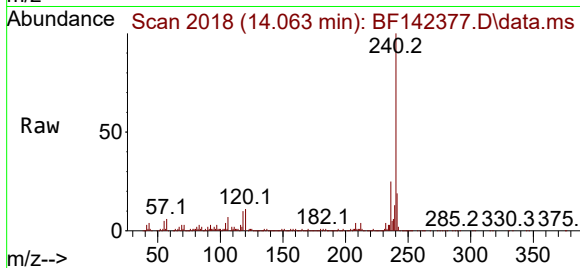
Tgt Ion:240 Resp: 535431

Ion Ratio Lower Upper

240 100

120 11.2 9.7 14.5

236 25.3 20.0 30.0



#77

Benzidine

Concen: 3.200 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

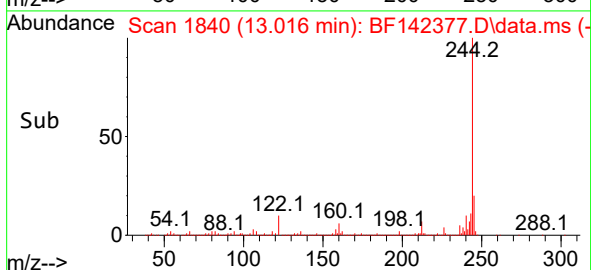
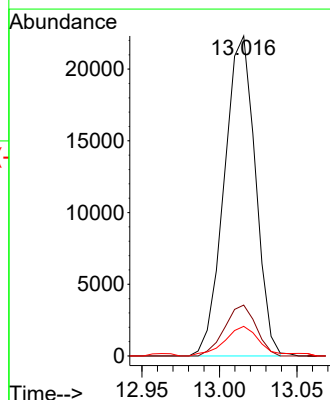
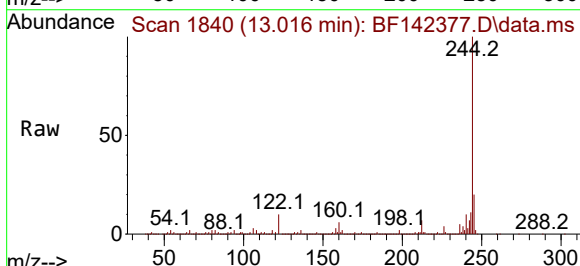
Tgt Ion:184 Resp: 31137

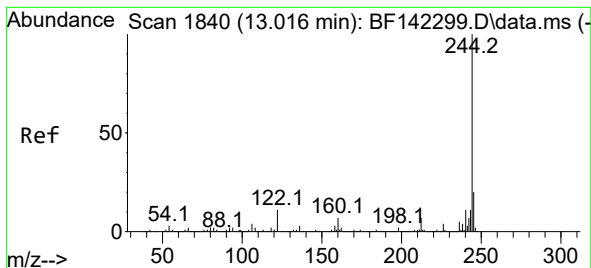
Ion Ratio Lower Upper

184 100

185 15.9 12.6 18.8

183 9.3 8.6 12.8





#79

Terphenyl-d14

Concen: 72.230 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MH-J

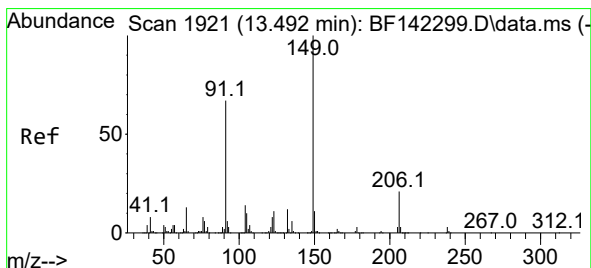
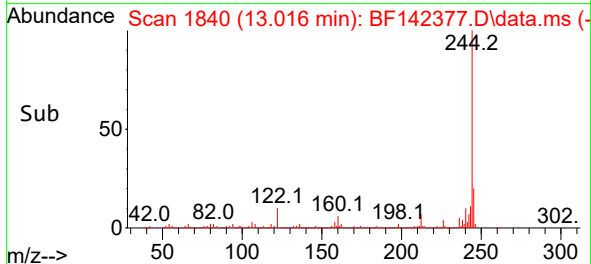
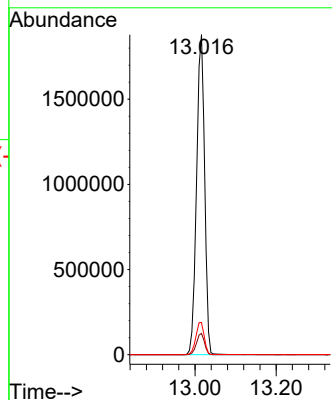
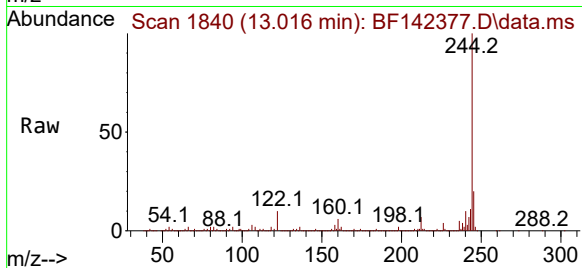
Tgt Ion:244 Resp: 2612947

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.1 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.770 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142377.D

Acq: 14 May 2025 20:37

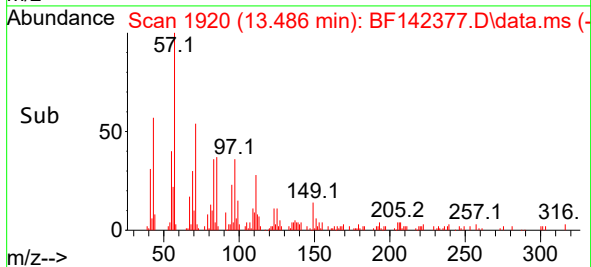
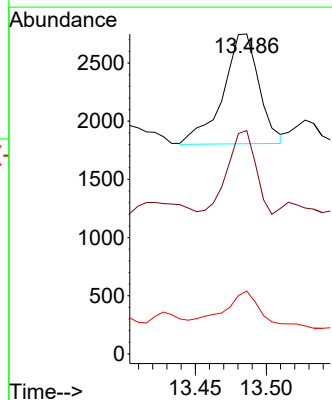
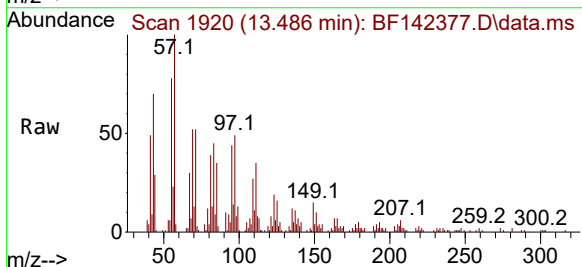
Tgt Ion:149 Resp: 1663

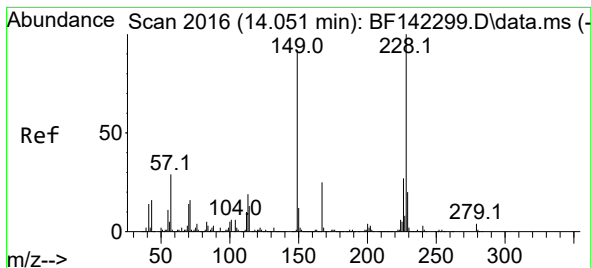
Ion Ratio Lower Upper

149 100

91 69.8 53.8 80.6

206 19.6 16.6 24.8

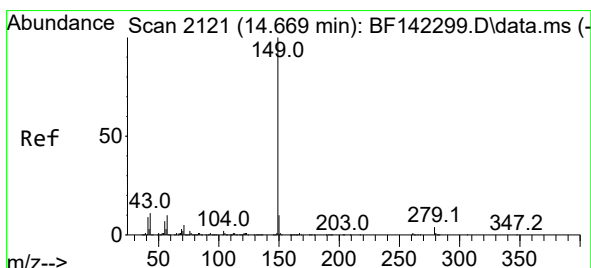
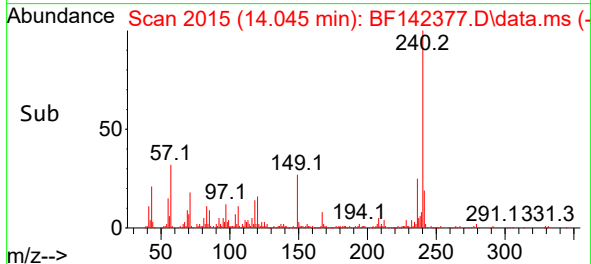
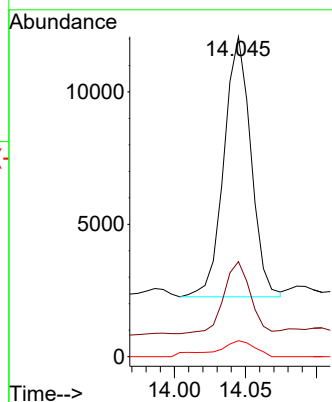
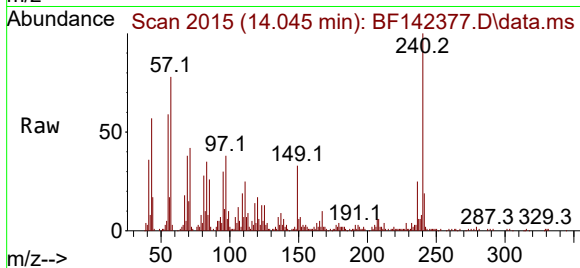




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.889 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

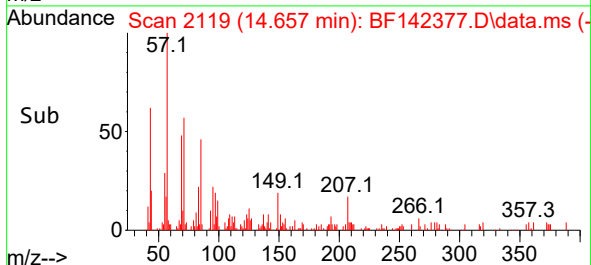
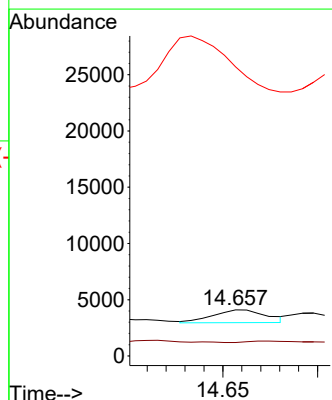
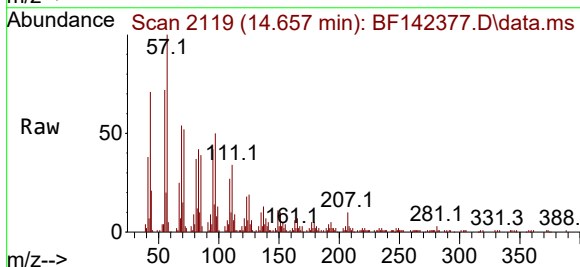
Instrument :
BNA_F
ClientSampleId :
MH-J

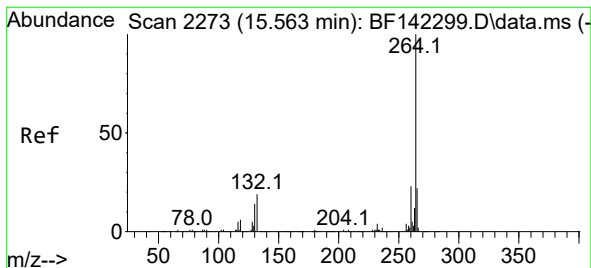
Tgt Ion:149 Resp: 12956
Ion Ratio Lower Upper
149 100
167 29.7 22.0 33.0
279 5.0 3.0 4.6#



#85
Di-n-octyl phthalate
Concen: 7.897 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142377.D
Acq: 14 May 2025 20:37

Tgt Ion:149 Resp: 2243
Ion Ratio Lower Upper
149 100
167 11.8 1.1 1.7#
43 0.0 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: BF142377.D

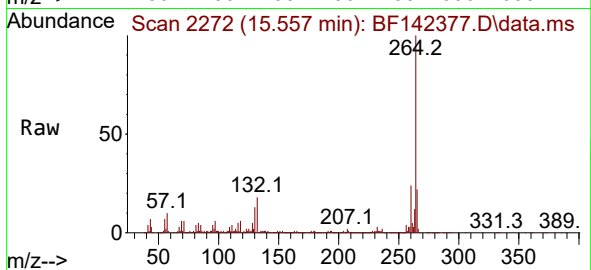
Acq: 14 May 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MH-J



Tgt Ion:264 Resp: 446219

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 22.0 17.5 26.3

