

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142334.D
 Acq On : 12 May 2025 22:00
 Operator : RC/JU
 Sample : Q2004-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R0202

Quant Time: May 13 01:06:09 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

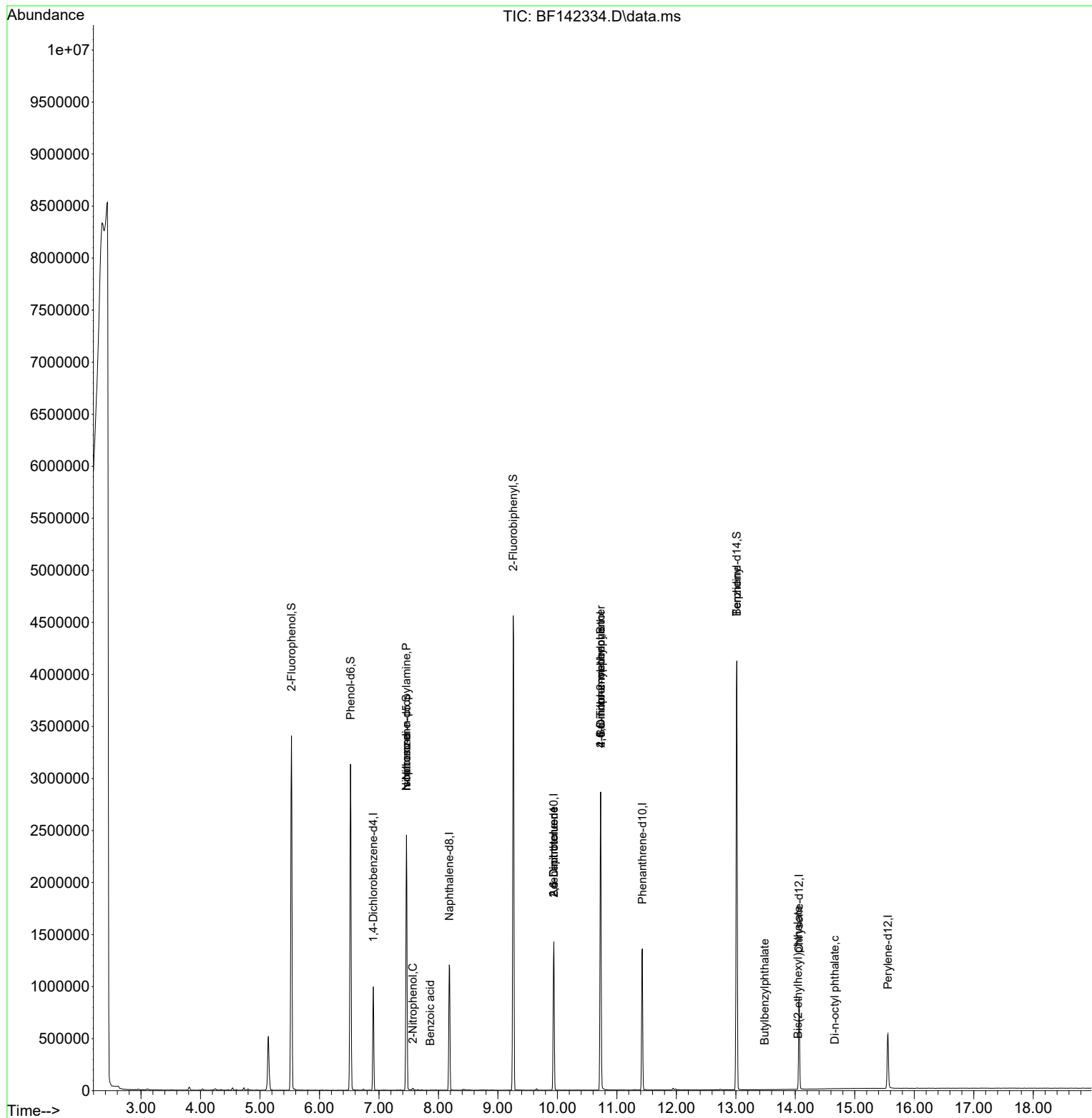
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	209843	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	785588	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	422009	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	701596	20.000	ng	0.00
76) Chrysene-d12	14.063	240	420162	20.000	ng	0.00
86) Perylene-d12	15.557	264	321432	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1347305	109.604	ng	0.02
7) Phenol-d6	6.522	99	1497967	99.079	ng	0.00
23) Nitrobenzene-d5	7.463	82	1027441	79.763	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	524445	128.717	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2131035	72.003	ng	0.00
79) Terphenyl-d14	13.016	244	2076585	73.152	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.463	70	139182	14.883	ng	# 78
25) Isophorone	7.463	82	1024723	42.010	ng	# 62
26) 2-Nitrophenol	7.569	139	142	4.110	ng	# 36
32) Benzoic acid	7.863	122	264	6.056	ng	# 88
51) 2,6-Dinitrotoluene	9.939	165	54833	10.810	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	54833	8.428	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	959	7.434	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	31041	3.904	ng	# 1
77) Benzidine	13.016	184	26549	3.477	ng	# 97
80) Butylbenzylphthalate	13.486	149	208	3.677	ng	# 26
84) Bis(2-ethylhexyl)phtha...	14.045	149	520	4.270	ng	# 52
85) Di-n-octyl phthalate	14.662	149	179	7.846	ng	# 1

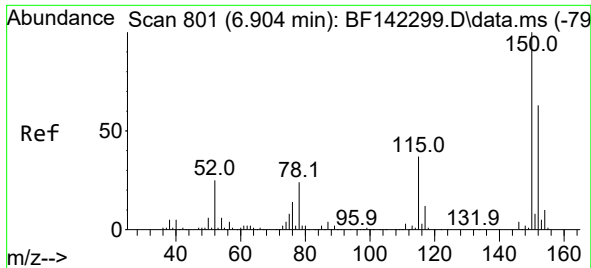
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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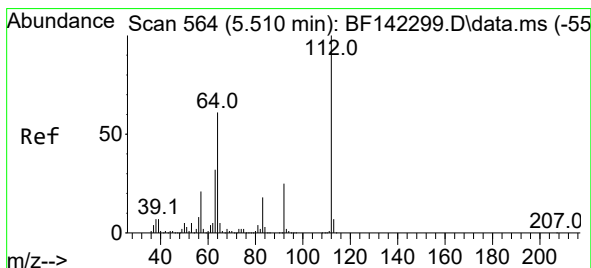
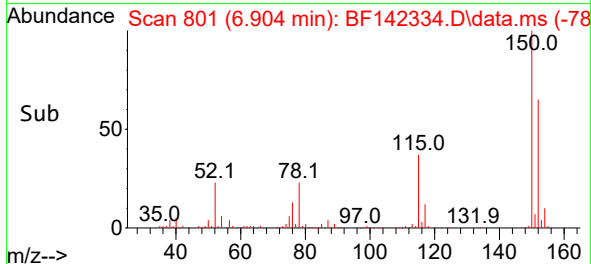
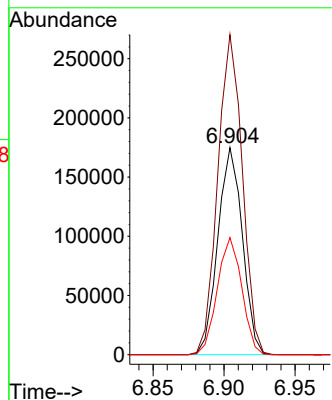
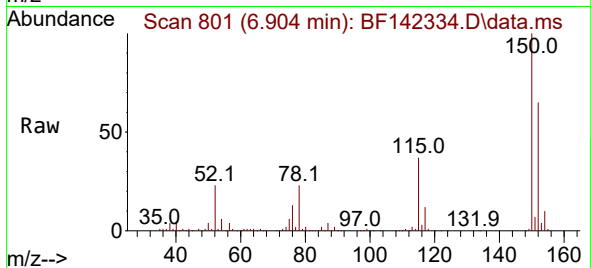




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

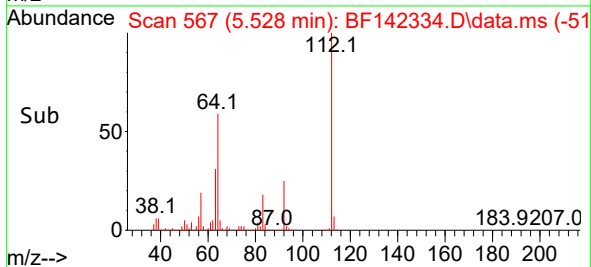
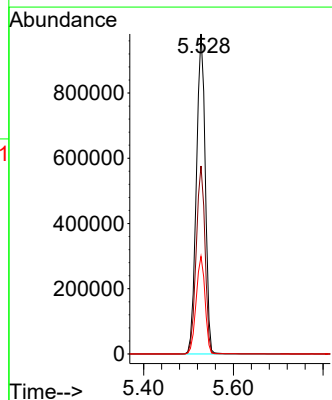
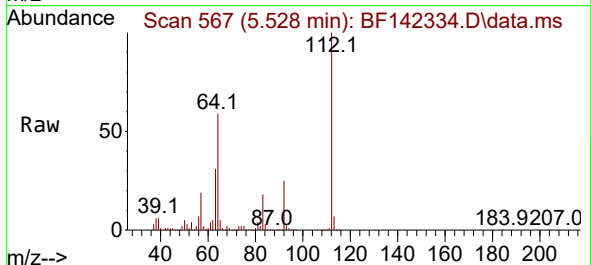
Instrument :
BNA_F
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R0202

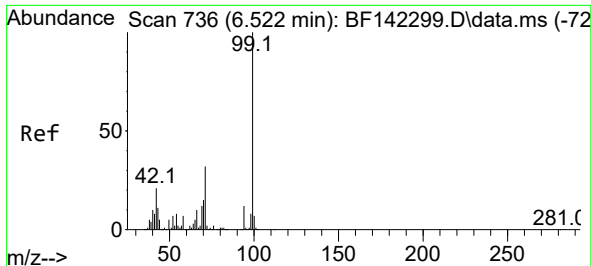
Tgt Ion:152 Resp: 209843
Ion Ratio Lower Upper
152 100
150 154.6 126.6 190.0
115 56.6 47.3 70.9



#5
2-Fluorophenol
Concen: 109.604 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:112 Resp: 1347305
Ion Ratio Lower Upper
112 100
64 58.7 48.9 73.3
63 30.5 25.6 38.4

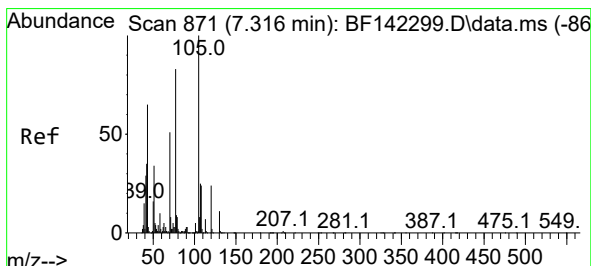
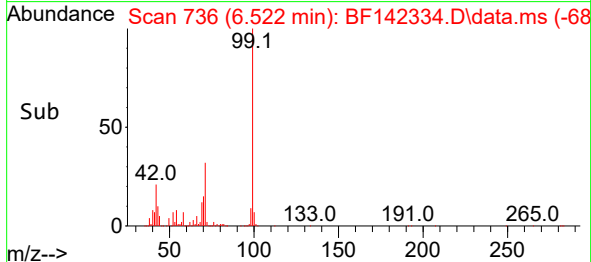
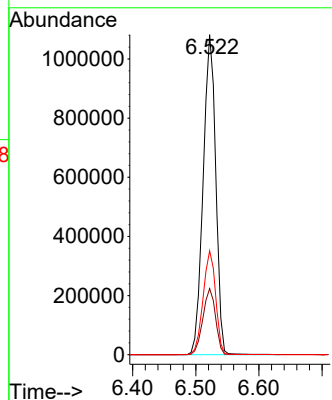
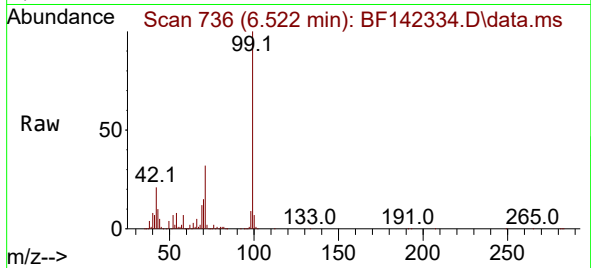




#7
Phenol-d6
Concen: 99.079 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

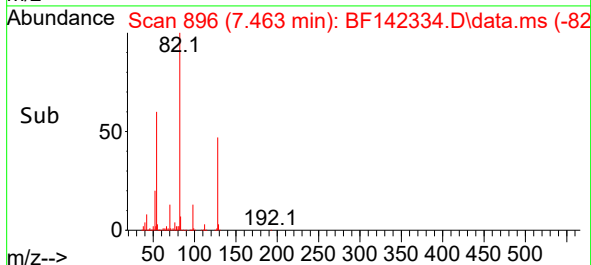
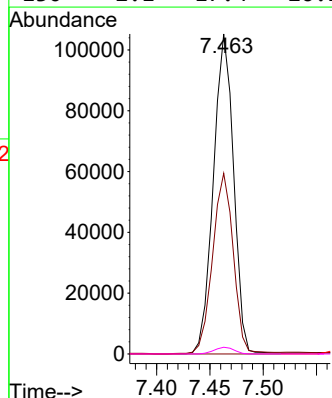
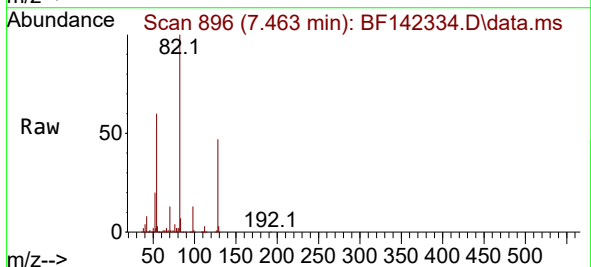
Instrument :
BNA_F
ClientSampleId :
R0202

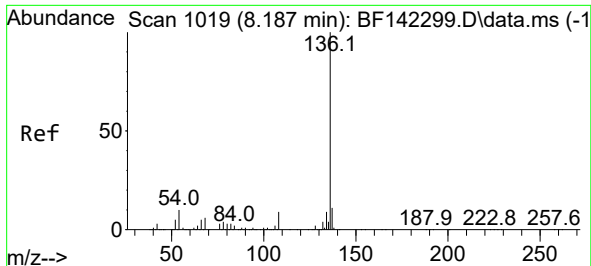
Tgt Ion: 99 Resp: 1497967
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.4
71 32.5 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.883 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion: 70 Resp: 139182
Ion Ratio Lower Upper
70 100
42 56.5 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# 1019

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Instrument :

BNA_F

ClientSampleId :

R0202

Tgt Ion:136 Resp: 785588

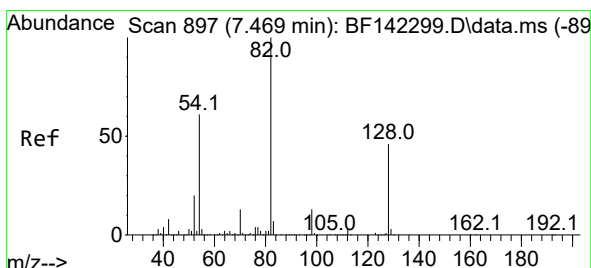
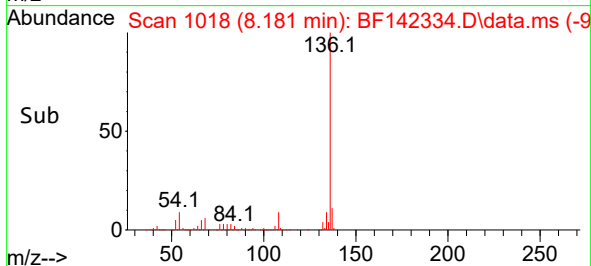
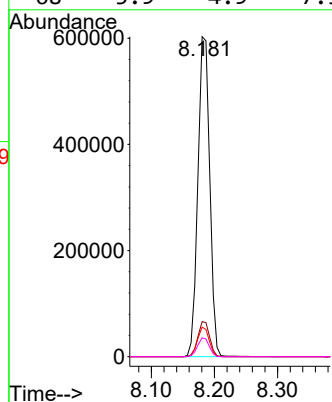
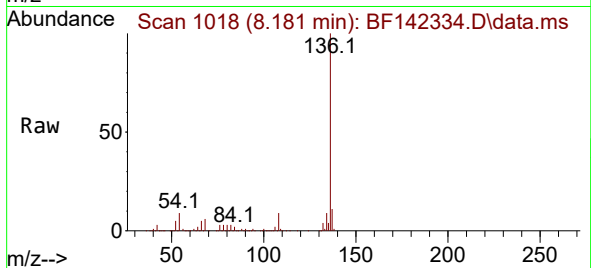
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.3 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 79.763 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

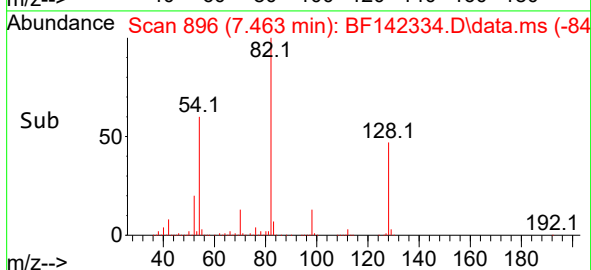
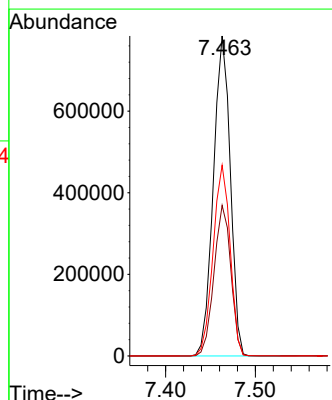
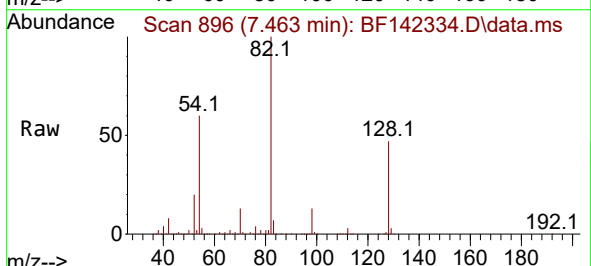
Tgt Ion: 82 Resp: 1027441

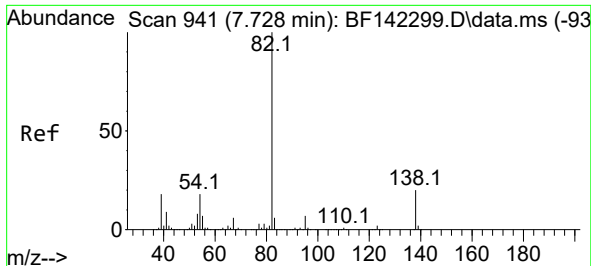
Ion Ratio Lower Upper

82 100

128 47.1 37.0 55.6

54 59.6 48.6 73.0

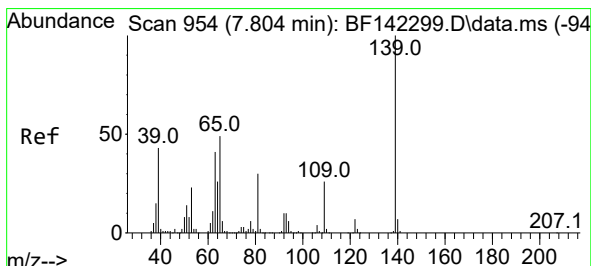
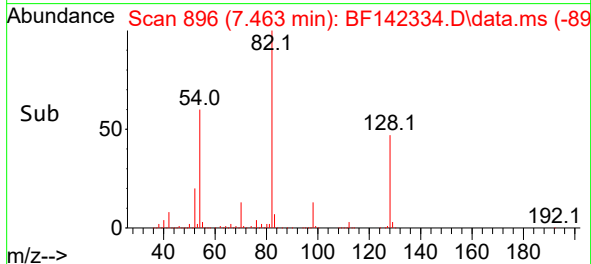
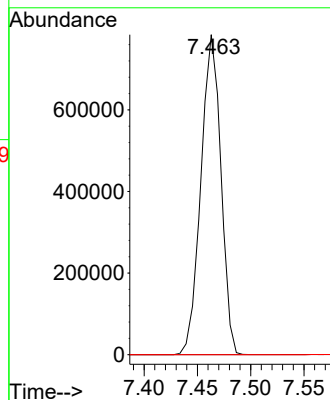
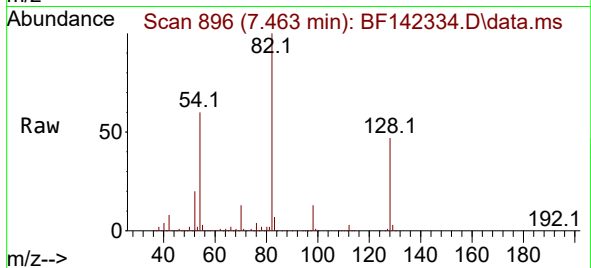




#25
Isophorone
Concen: 42.010 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

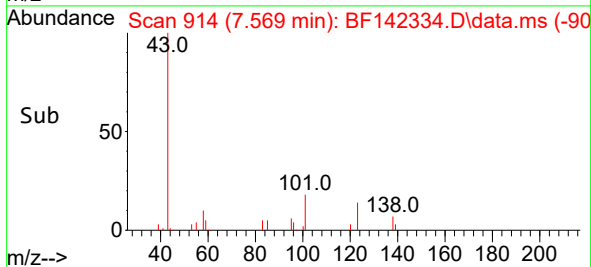
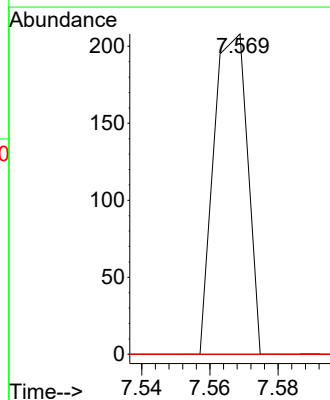
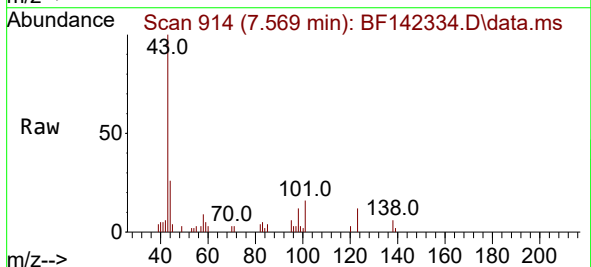
Instrument :
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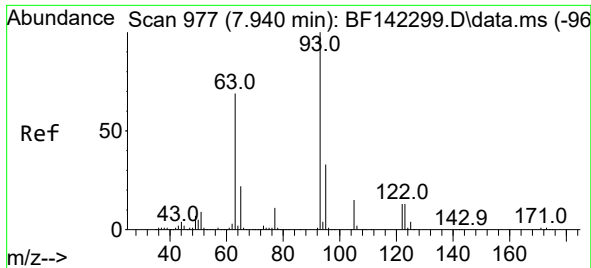
Tgt Ion: 82 Resp: 1024723
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.110 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:139 Resp: 142
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

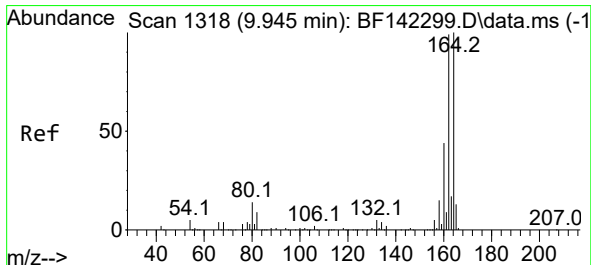
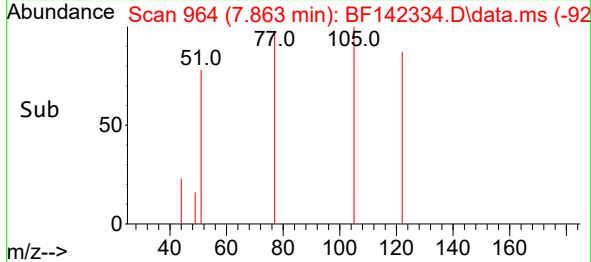
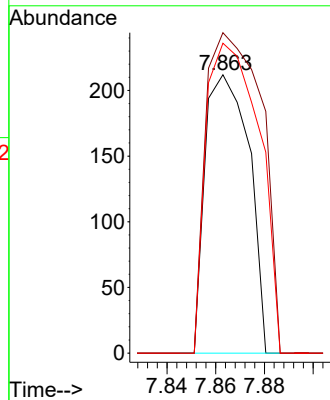
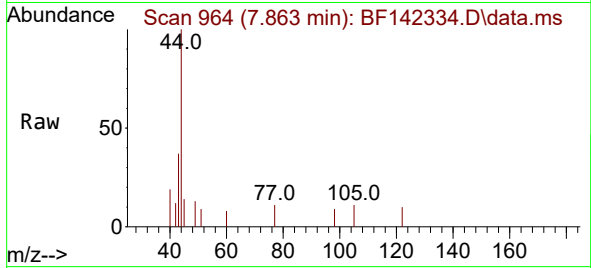




#32
Benzoic acid
Concen: 6.056 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.077 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

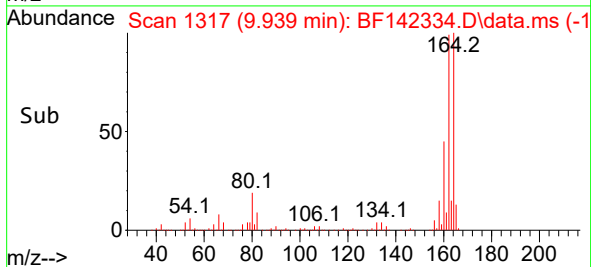
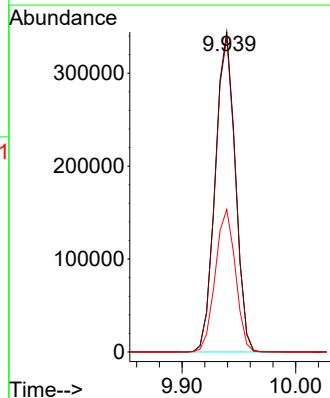
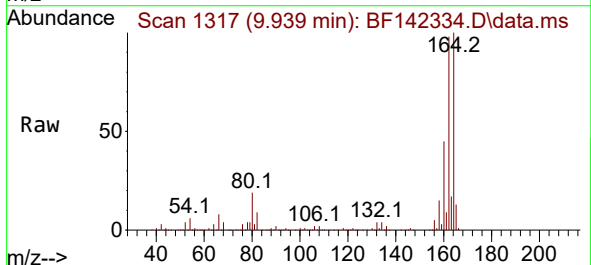
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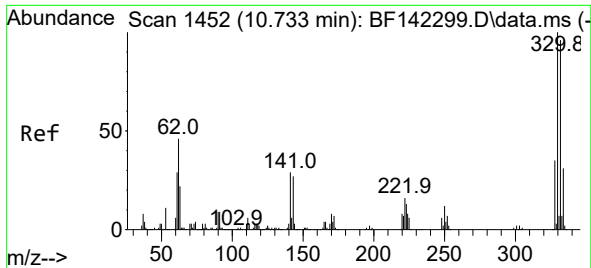
Tgt Ion:122 Resp: 264
Ion Ratio Lower Upper
122 100
105 115.1 97.9 137.9
77 111.3 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:164 Resp: 422009
Ion Ratio Lower Upper
164 100
162 98.4 79.2 118.8
160 44.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 128.717 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Instrument :

BNA_F

ClientSampleId :

R0202

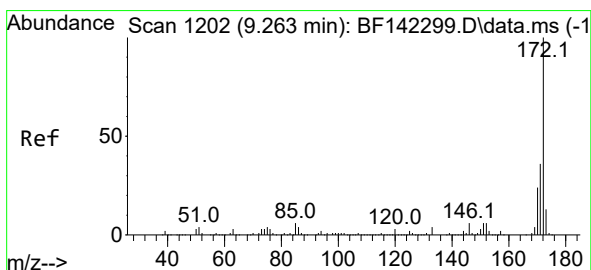
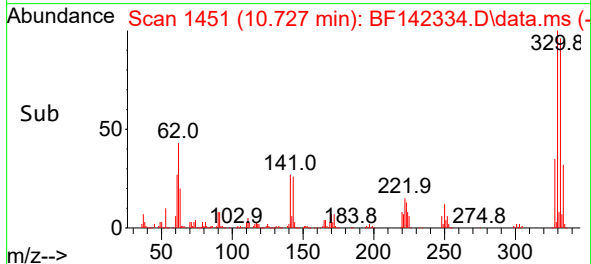
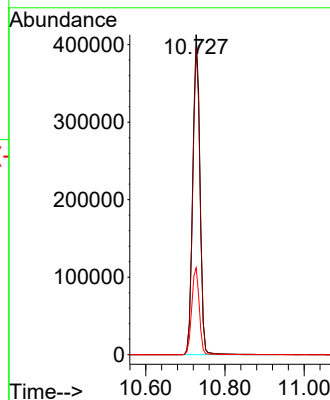
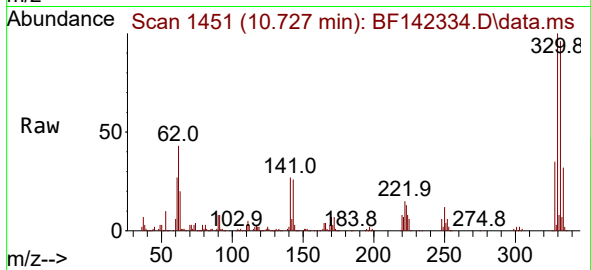
Tgt Ion:330 Resp: 524445

Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

141 28.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 72.003 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

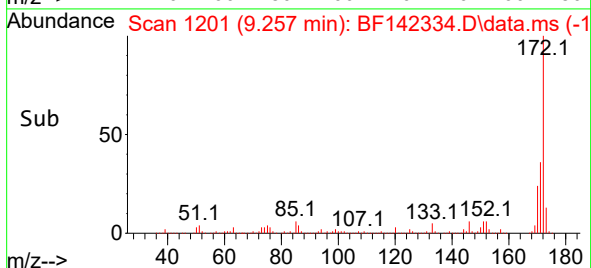
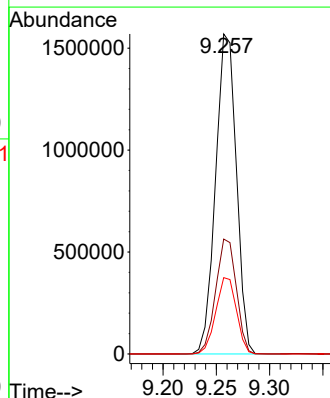
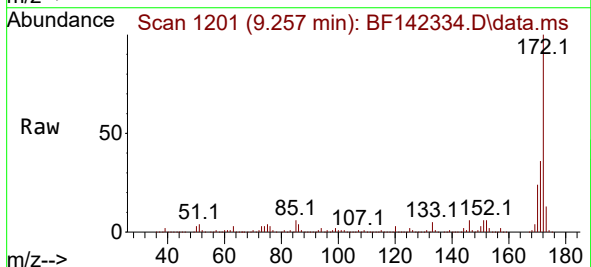
Tgt Ion:172 Resp: 2131035

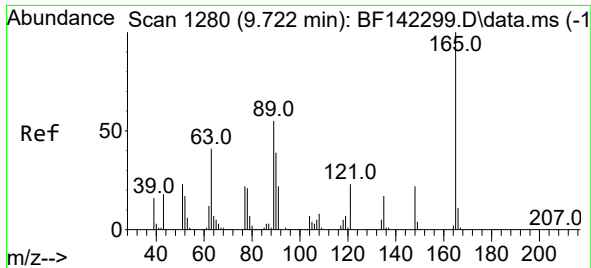
Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

170 23.9 19.0 28.4

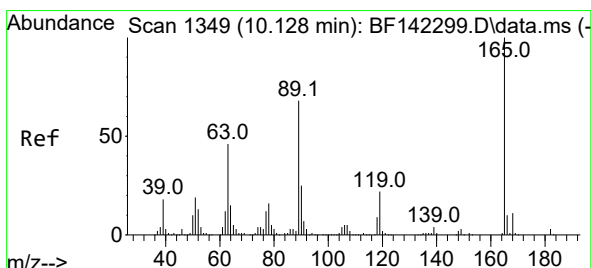
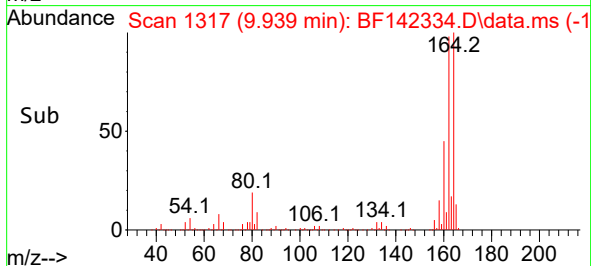
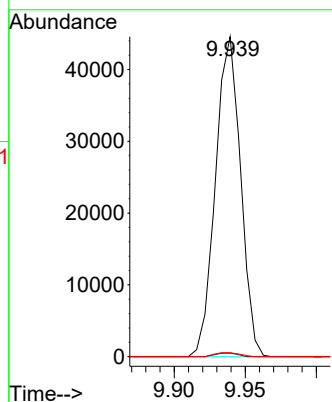
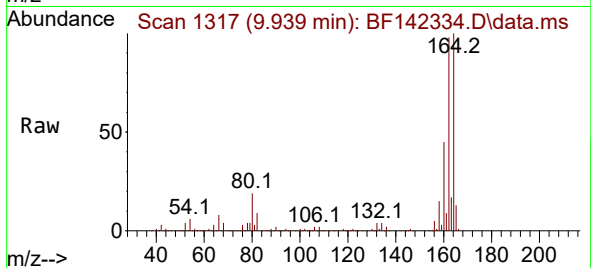




#51
2,6-Dinitrotoluene
Concen: 10.810 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

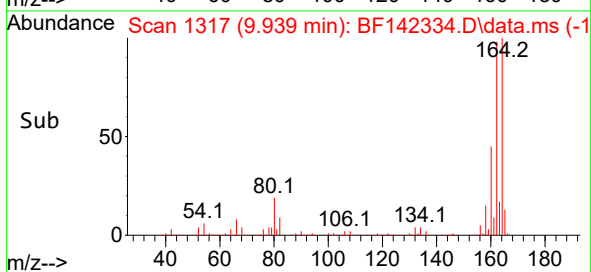
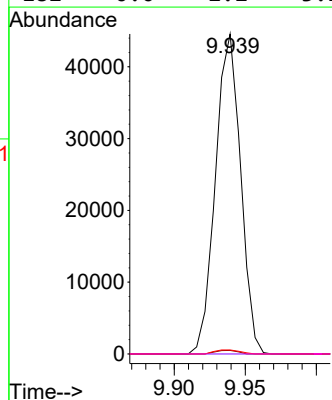
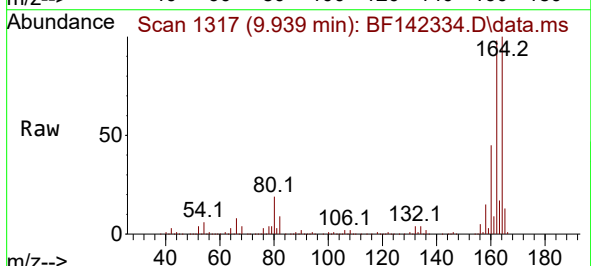
Instrument :
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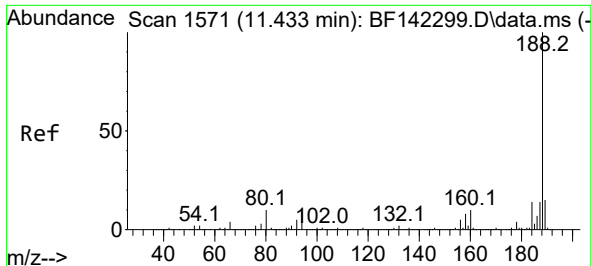
Tgt Ion:165 Resp: 54833
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.3 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.428 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:165 Resp: 54833
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.3 54.4 81.6#
182 0.0 2.2 3.2#

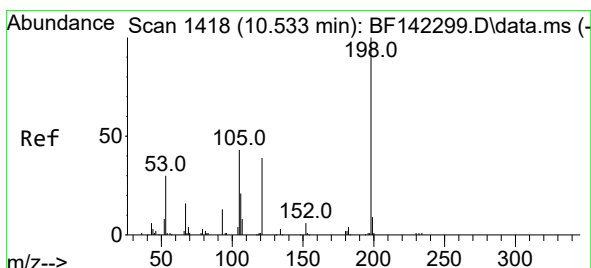
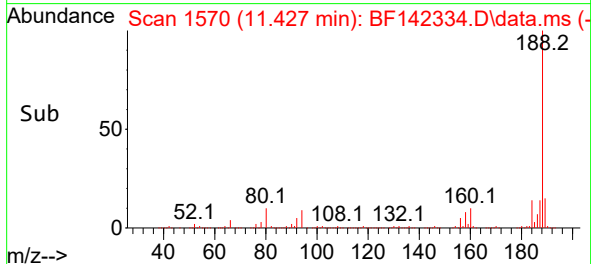
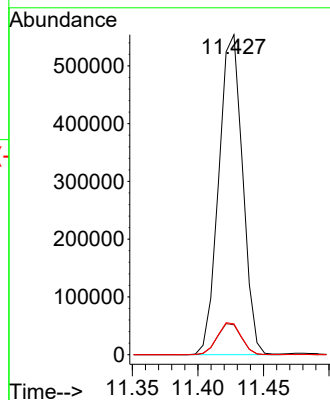
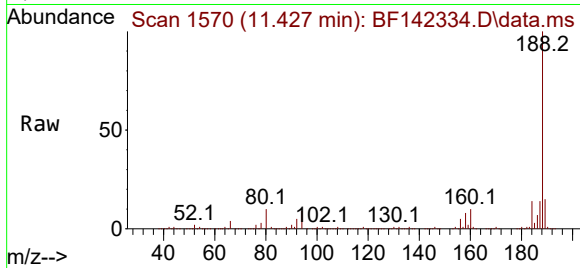




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

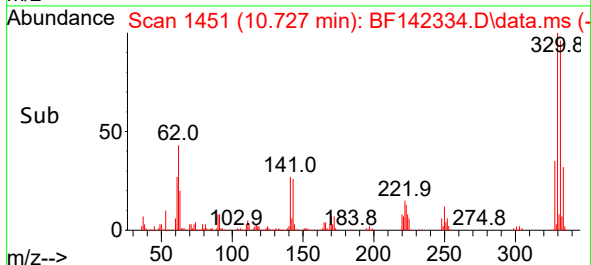
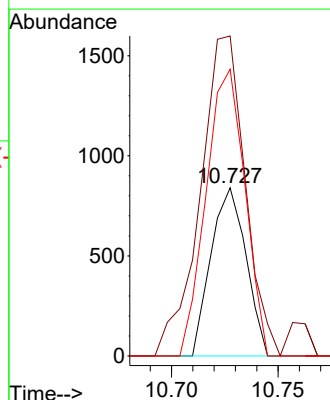
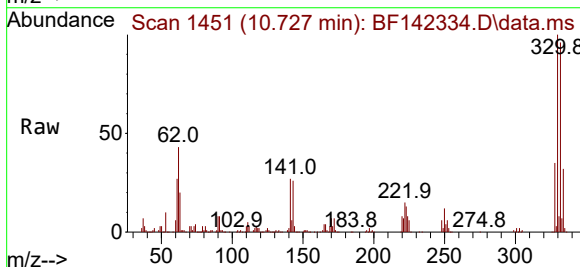
Instrument :
BNA_F
ClientSampleId :
R0202

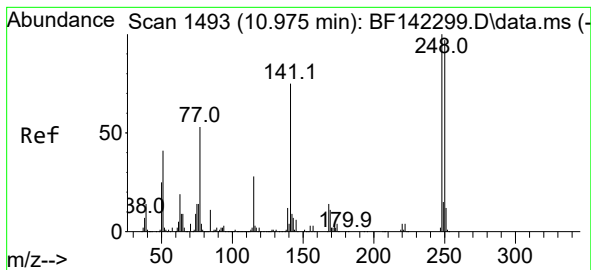
Tgt Ion:188 Resp: 701596
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.6 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.434 ng
RT: 10.727 min Scan# 1451
Delta R.T. 0.194 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:198 Resp: 959
Ion Ratio Lower Upper
198 100
51 190.4 32.9 72.9#
105 170.6 23.7 63.7#

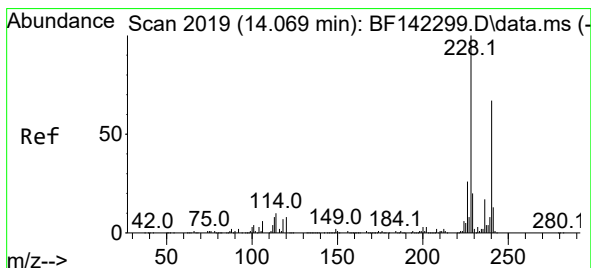
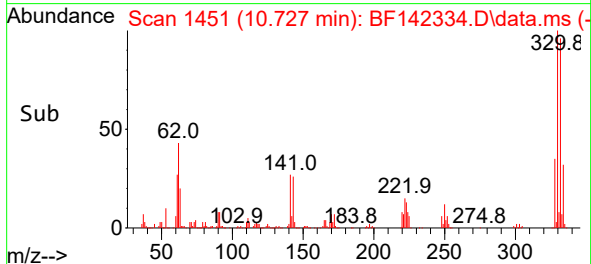
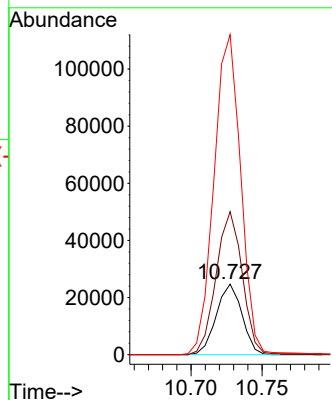
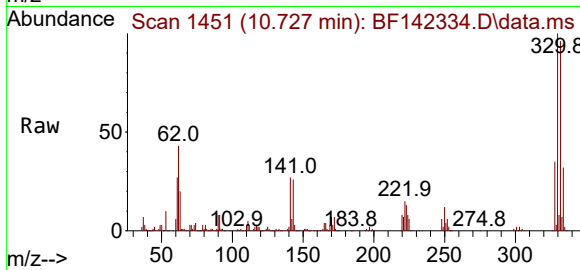




#67
4-Bromophenyl-phenylether
Concen: 3.904 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

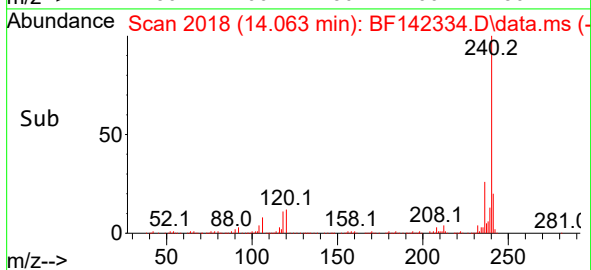
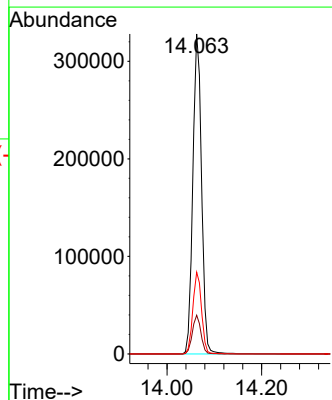
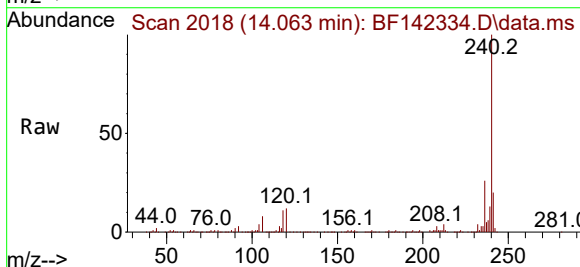
Instrument :
BNA_F
ClientSampleId :
R0202

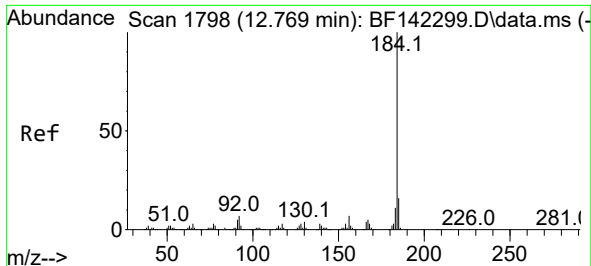
Tgt Ion:248 Resp: 31041
Ion Ratio Lower Upper
248 100
250 202.7 77.9 116.9#
141 453.3 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:240 Resp: 420162
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 25.6 20.0 30.0

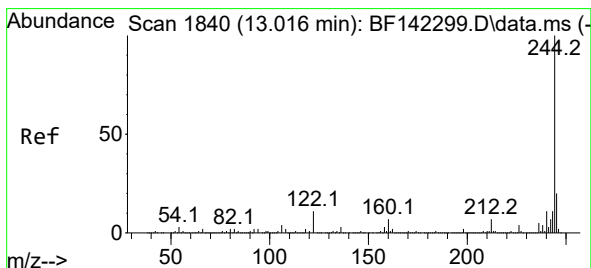
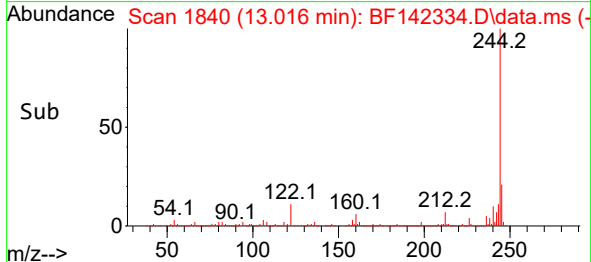
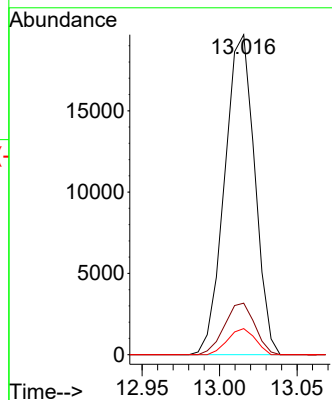
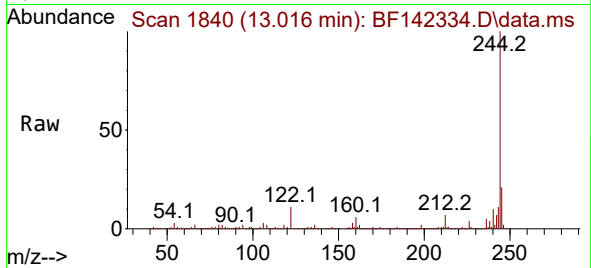




#77
Benzidine
Concen: 3.477 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

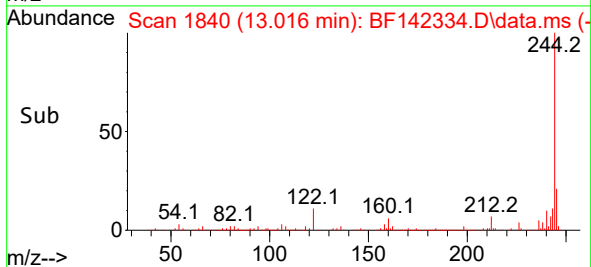
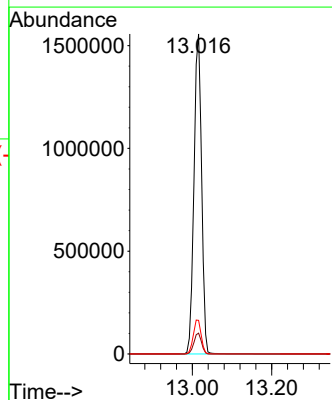
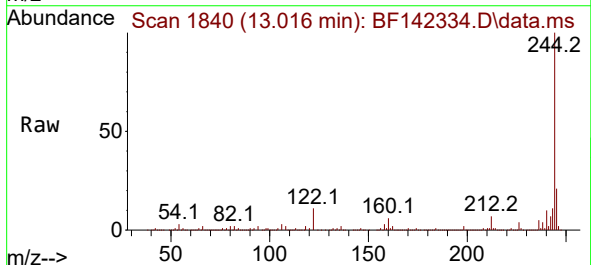
Instrument :
BNA_F
ClientSampleId :
R0202

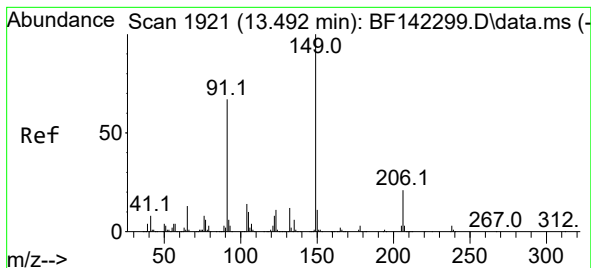
Tgt Ion:184 Resp: 26549
Ion Ratio Lower Upper
184 100
185 16.1 12.6 18.8
183 8.1 8.6 12.8#



#79
Terphenyl-d14
Concen: 73.152 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142334.D
Acq: 12 May 2025 22:00

Tgt Ion:244 Resp: 2076585
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.5 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.677 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

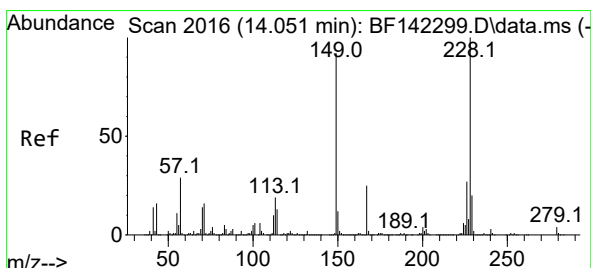
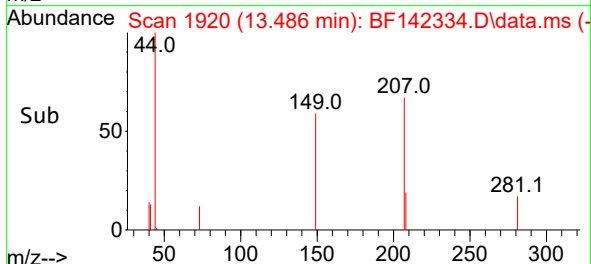
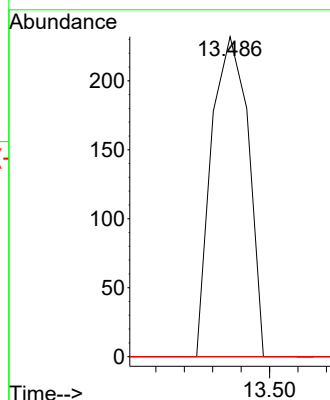
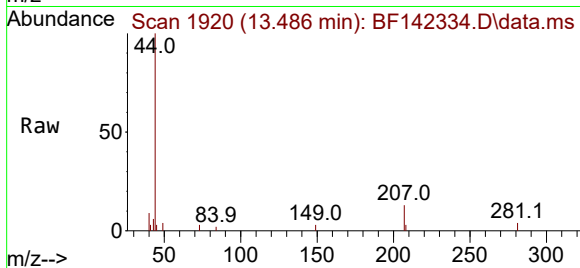
Instrument :

BNA_F

ClientSampleId :

R0202

Tgt Ion:149	Resp:	208
Ion	Ratio	Lower Upper
149	100	
91	0.0	53.8 80.6#
206	0.0	16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.270 ng

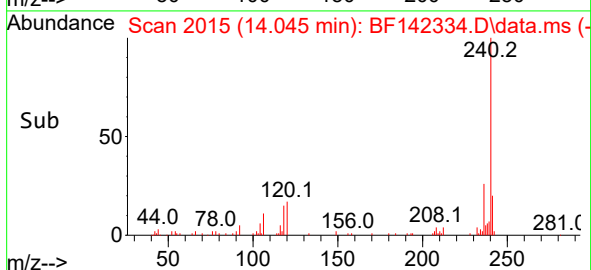
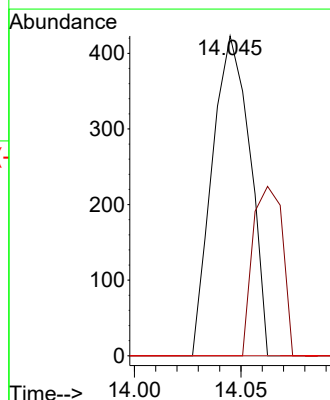
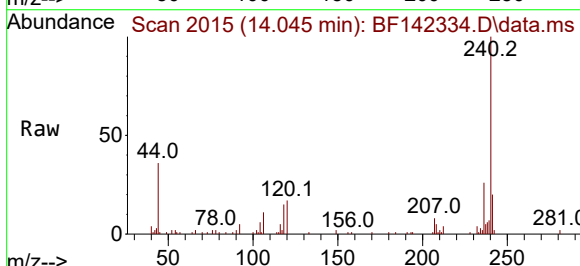
RT: 14.045 min Scan# 2015

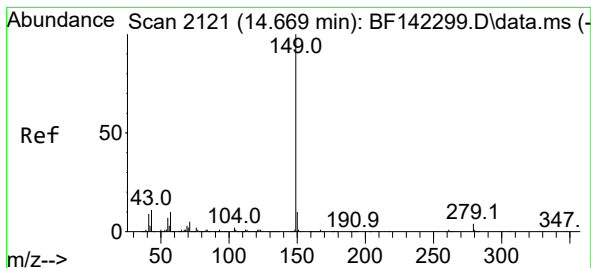
Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Tgt Ion:149	Resp:	520
Ion	Ratio	Lower Upper
149	100	
167	0.0	22.0 33.0#
279	0.0	3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.846 ng

RT: 14.662 min Scan# 21

Delta R.T. -0.007 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Instrument :

BNA_F

ClientSampleId :

R0202

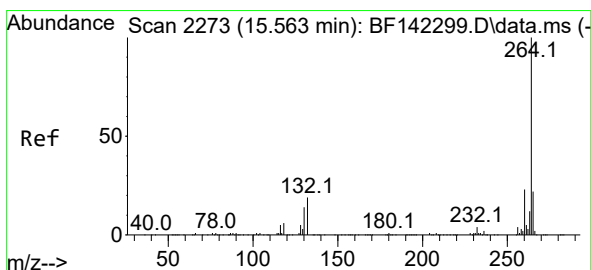
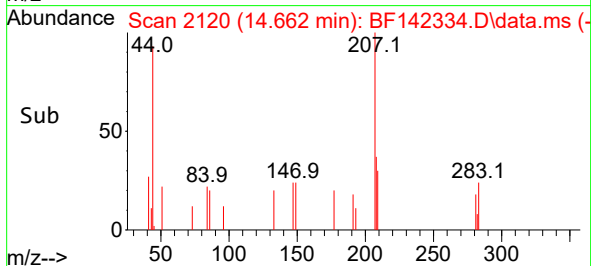
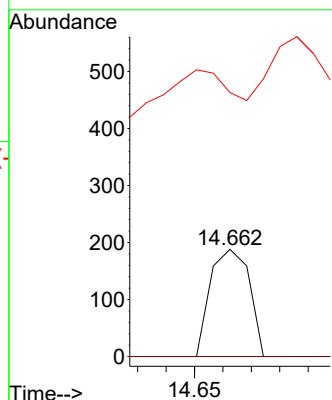
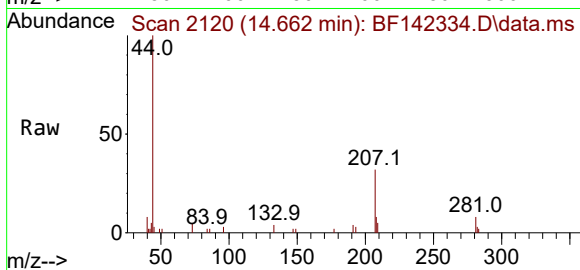
Tgt Ion:149 Resp: 179

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 134.6 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142334.D

Acq: 12 May 2025 22:00

Tgt Ion:264 Resp: 321432

Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

265 21.2 17.5 26.3

