

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142353.D
 Acq On : 13 May 2025 19:35
 Operator : RC/JU
 Sample : Q2004-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R0202

Quant Time: May 14 00:57:07 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)

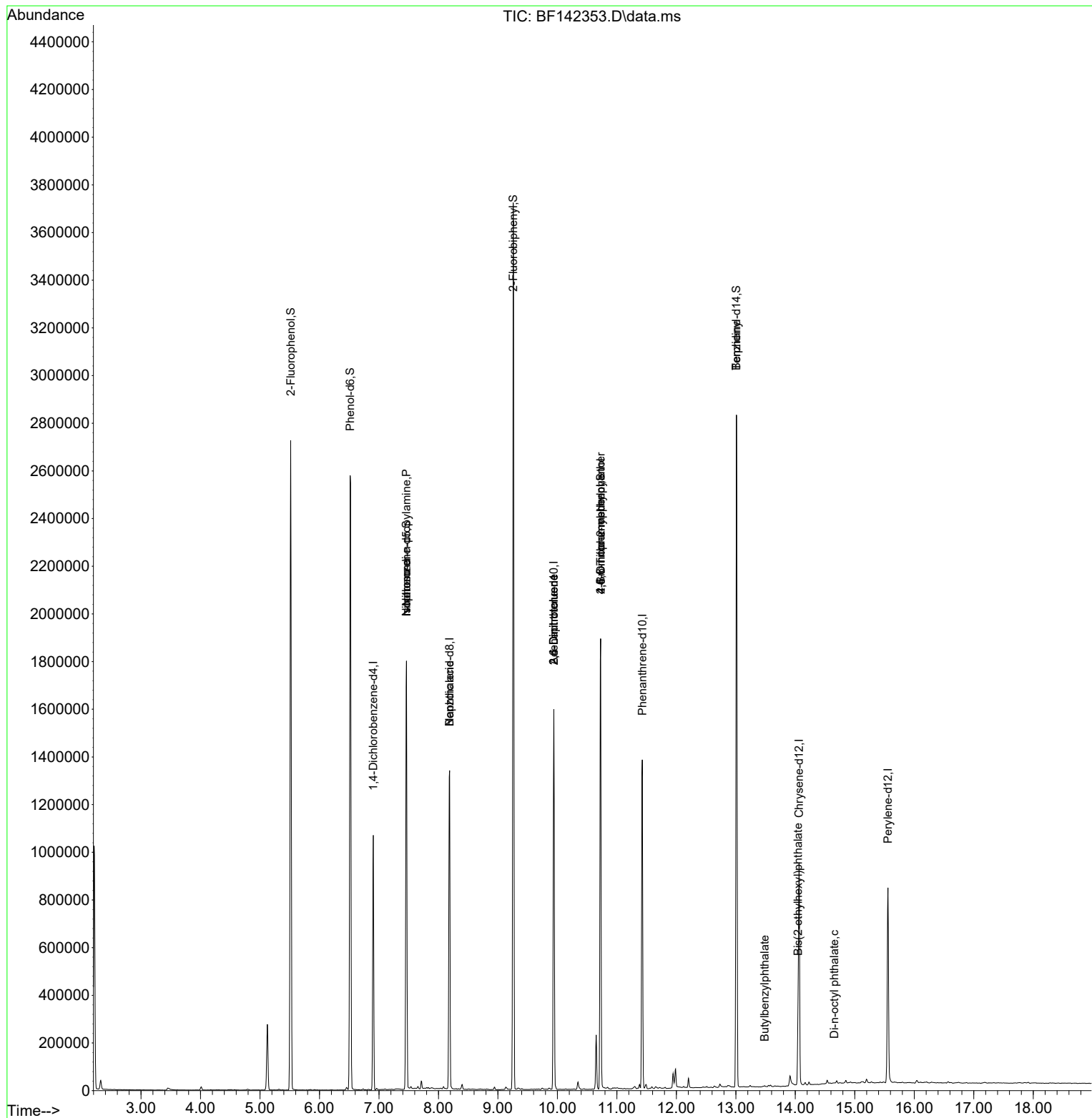
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	228876	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	871487	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	469280	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	720167	20.000	ng	0.00
76) Chrysene-d12	14.063	240	427046	20.000	ng	0.00
86) Perylene-d12	15.557	264	469638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1045911	78.010	ng	0.00
7) Phenol-d6	6.516	99	1270297	77.034	ng	0.00
23) Nitrobenzene-d5	7.463	82	764753	53.518	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	337059	74.393	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1676734	50.946	ng	0.00
79) Terphenyl-d14	13.010	244	1365424	47.324	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	101897	9.990	ng	# 77
25) Isophorone	7.463	82	749427	27.695	ng	# 62
32) Benzoic acid	8.187	122	130	6.033	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	60495	10.725	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	60495	8.361	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	707	7.364	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	20313	2.489	ng	# 1
77) Benzidine	13.010	184	16706	2.153	ng	# 97
80) Butylbenzylphthalate	13.486	149	1624	3.794	ng	# 87
84) Bis(2-ethylhexyl)phtha...	14.045	149	109342	11.138	ng	98
85) Di-n-octyl phthalate	14.657	149	1331	7.883	ng	# 14

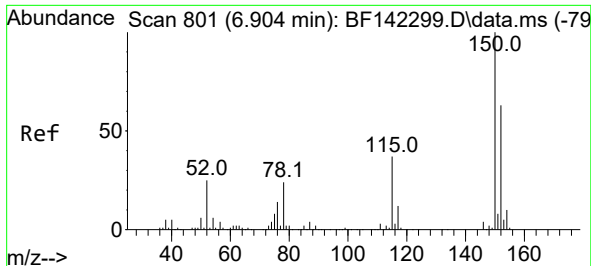
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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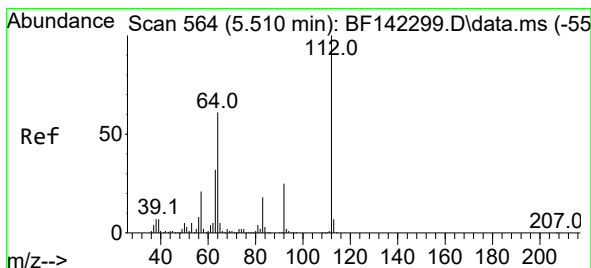
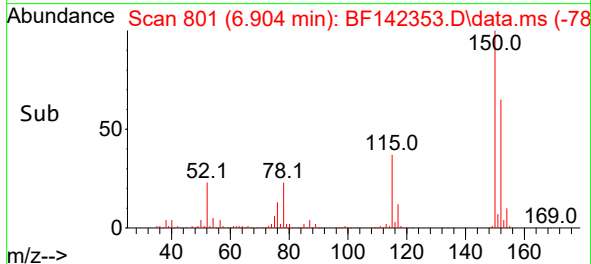
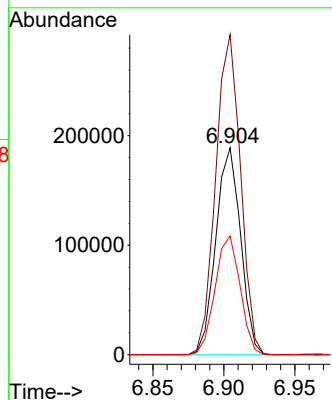
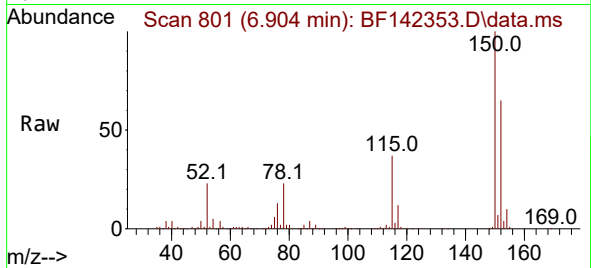




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

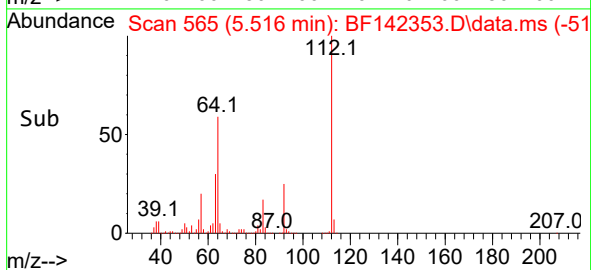
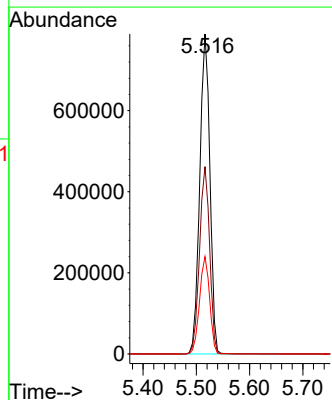
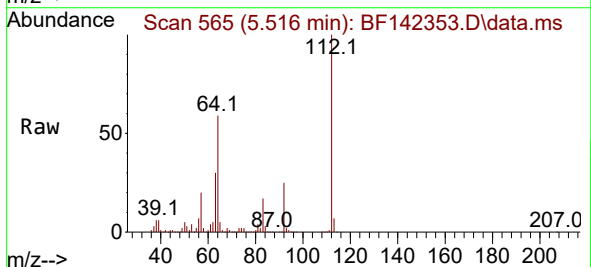
Instrument :
BNA_F
ClientSampleId :
R0202

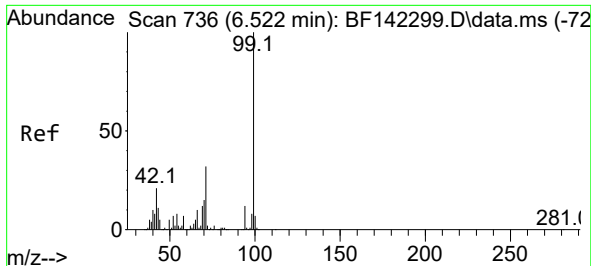
Tgt Ion:152 Resp: 228876
Ion Ratio Lower Upper
152 100
150 154.7 126.6 190.0
115 57.4 47.3 70.9



#5
2-Fluorophenol
Concen: 78.010 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:112 Resp: 1045911
Ion Ratio Lower Upper
112 100
64 58.6 48.9 73.3
63 30.4 25.6 38.4

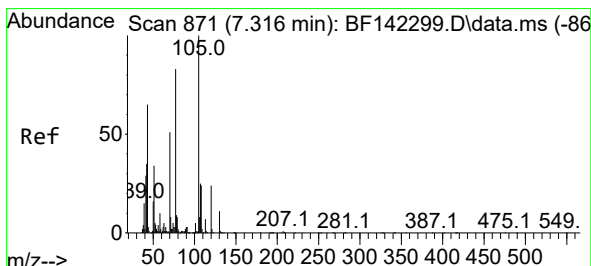
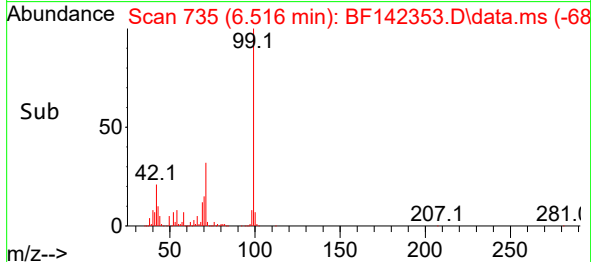
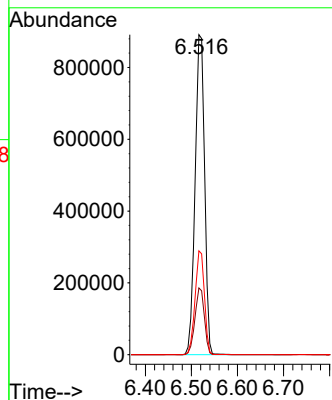
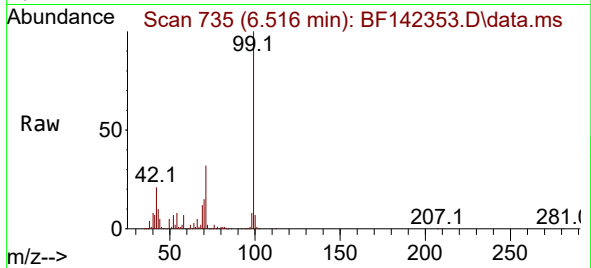




#7
Phenol-d6
Concen: 77.034 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

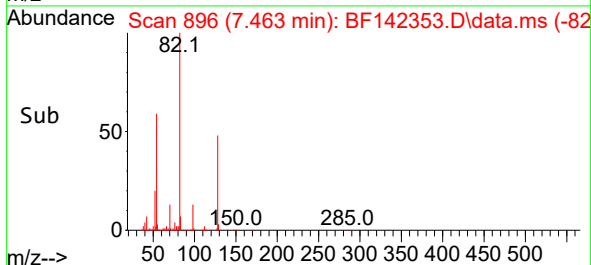
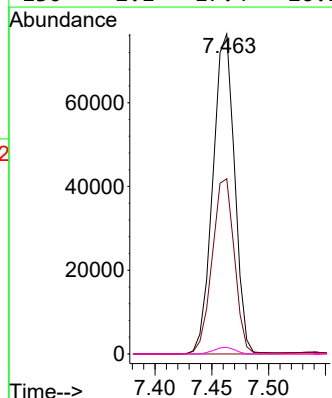
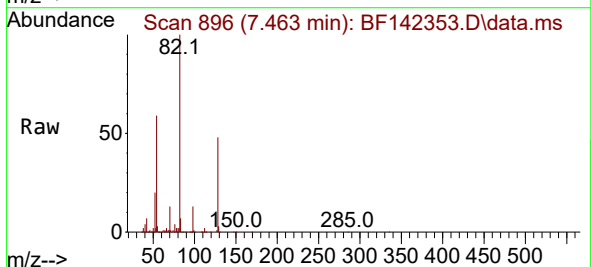
Instrument :
BNA_F
ClientSampleId :
R0202

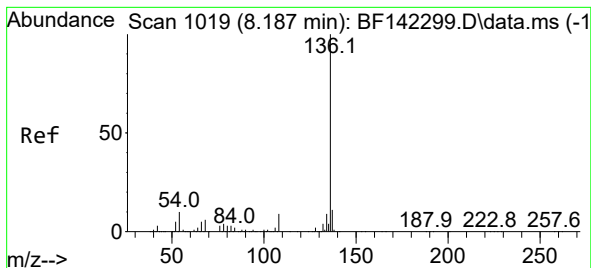
Tgt Ion: 99 Resp: 1270297
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.4
71 32.4 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.990 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion: 70 Resp: 101897
Ion Ratio Lower Upper
70 100
42 54.8 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: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142353.D

Acq: 13 May 2025 19:35

Instrument :

BNA_F

ClientSampleId :

R0202

Tgt Ion:136 Resp: 871487

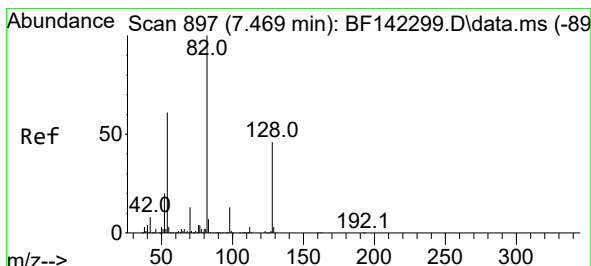
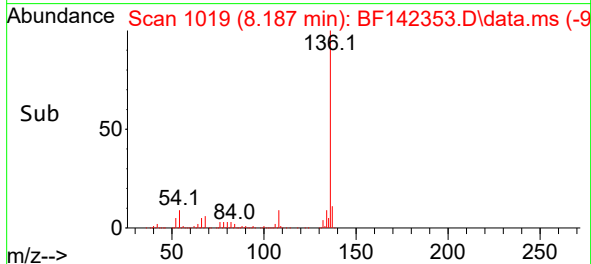
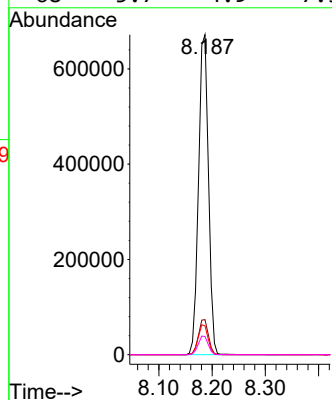
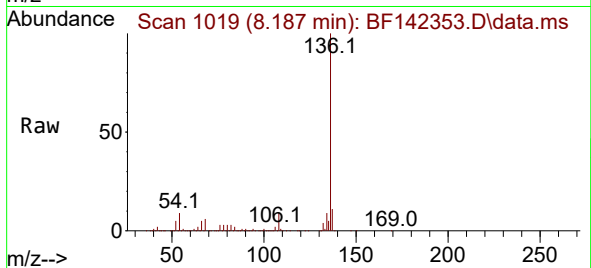
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.0 7.7 11.5

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 53.518 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142353.D

Acq: 13 May 2025 19:35

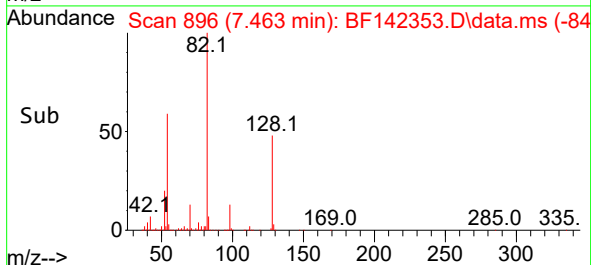
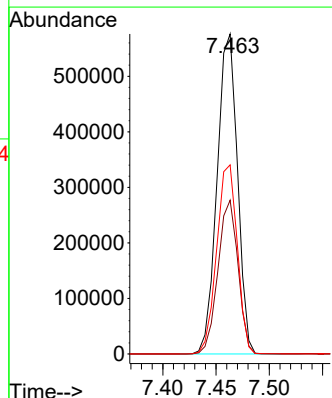
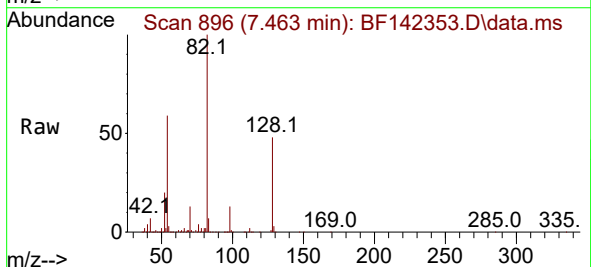
Tgt Ion: 82 Resp: 764753

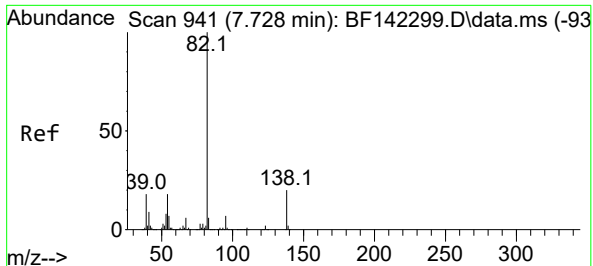
Ion Ratio Lower Upper

82 100

128 48.1 37.0 55.6

54 59.1 48.6 73.0

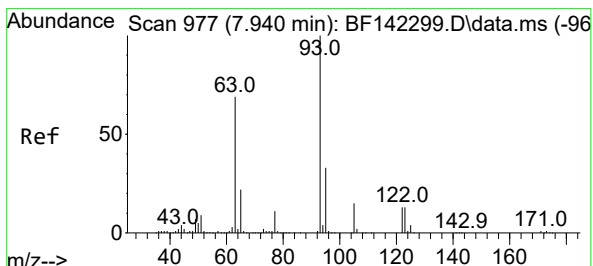
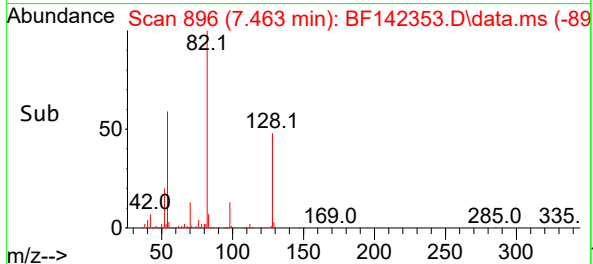
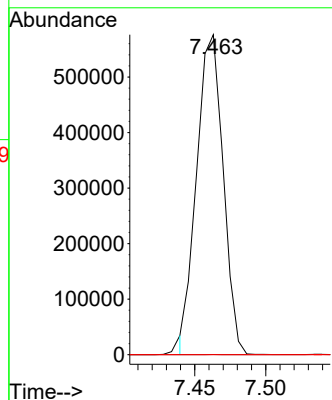
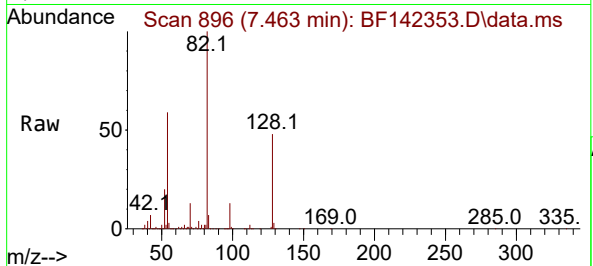




#25
Isophorone
Concen: 27.695 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

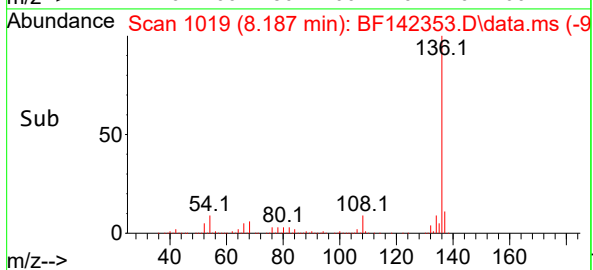
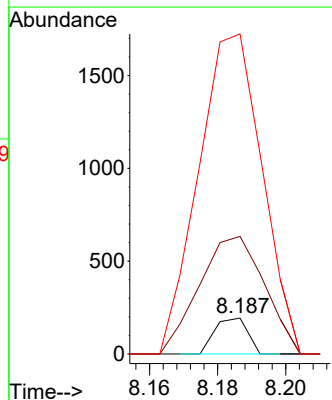
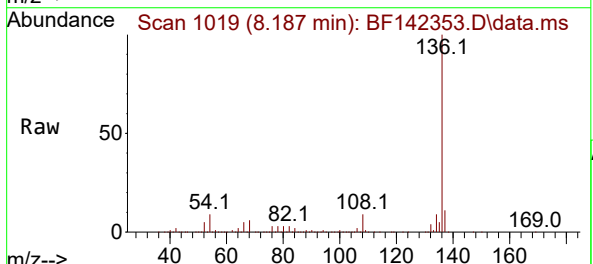
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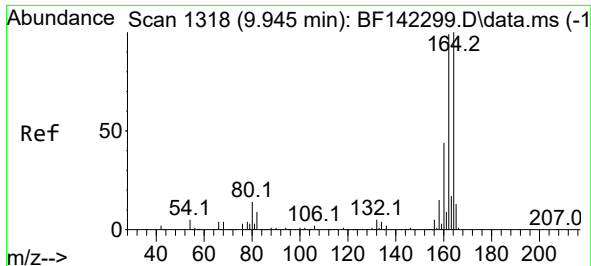
Tgt Ion: 82 Resp: 749427
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.033 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.247 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 328.0 97.9 137.9#
77 893.3 67.7 107.7#

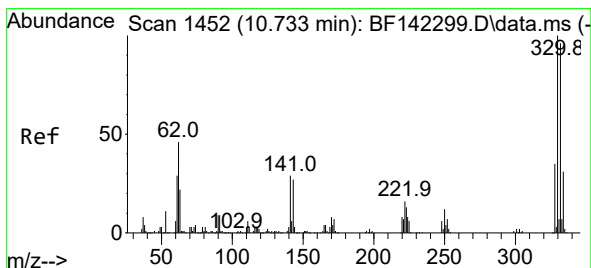
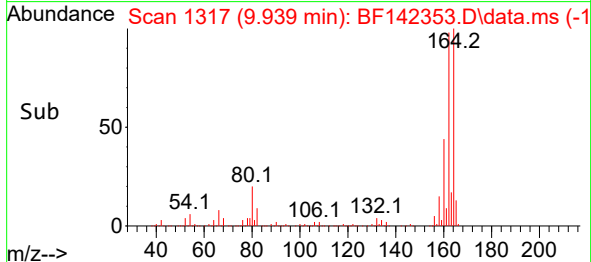
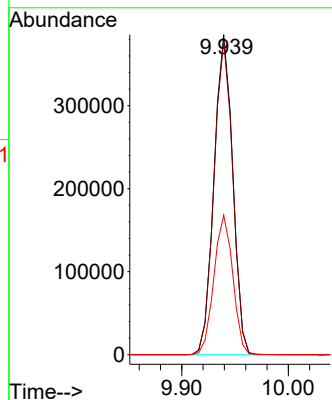
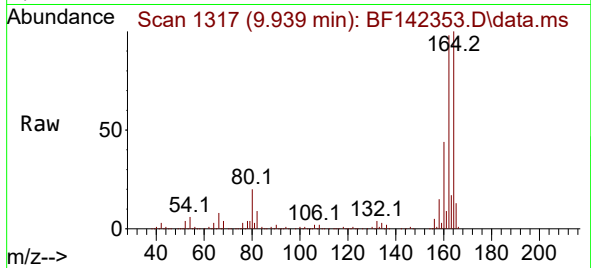




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

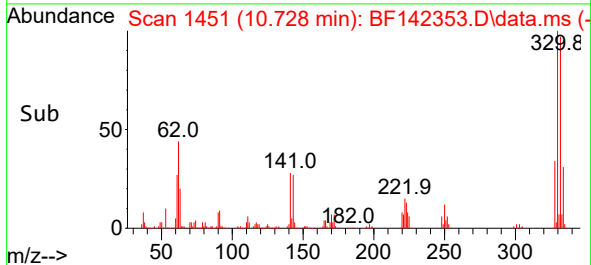
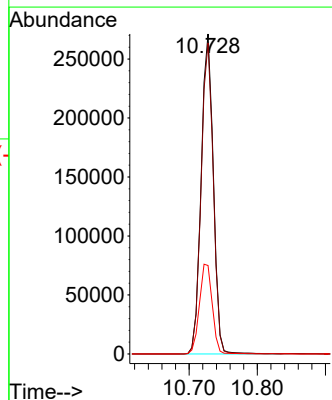
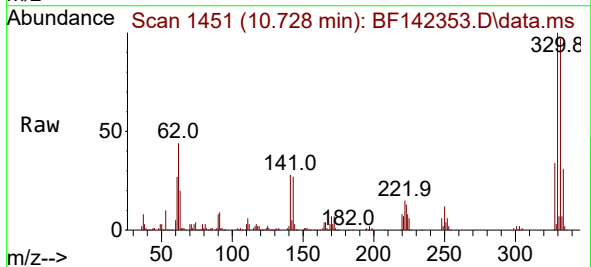
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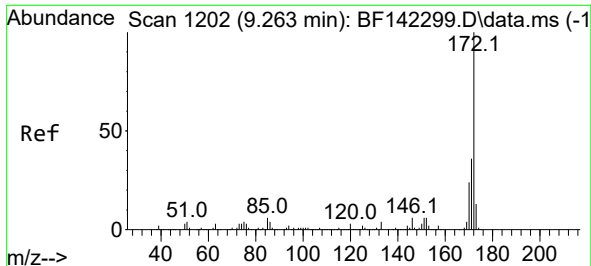
Tgt Ion:164 Resp: 469280
Ion Ratio Lower Upper
164 100
162 98.0 79.2 118.8
160 43.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 74.393 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:330 Resp: 337059
Ion Ratio Lower Upper
330 100
332 97.1 76.8 115.2
141 29.5 24.9 37.3

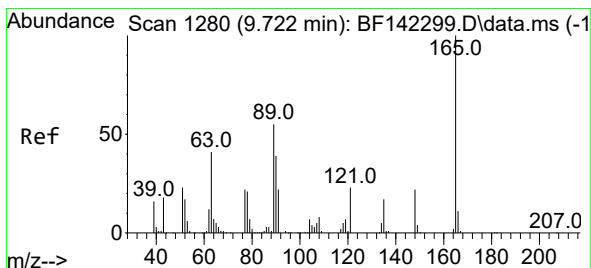
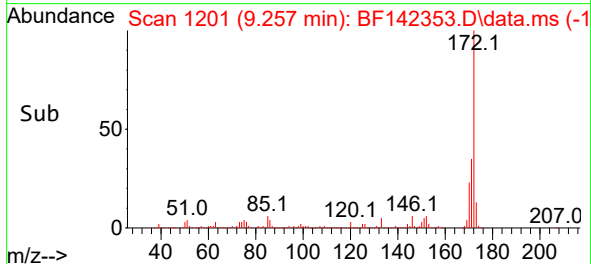
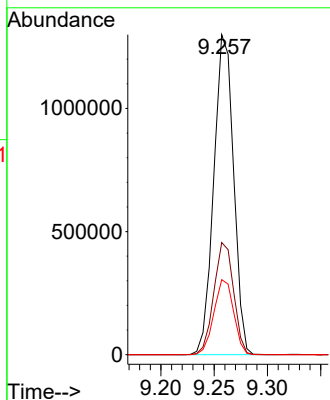
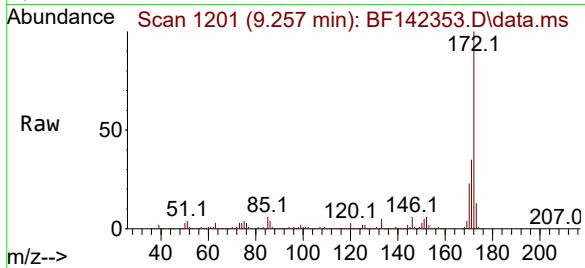




#45
2-Fluorobiphenyl
Concen: 50.946 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

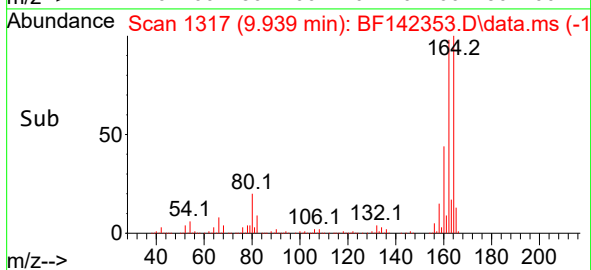
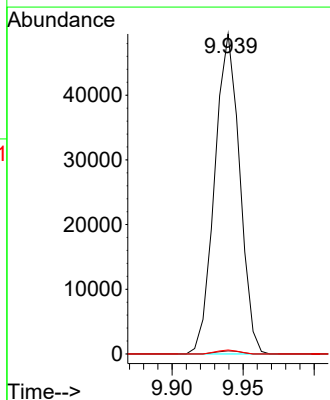
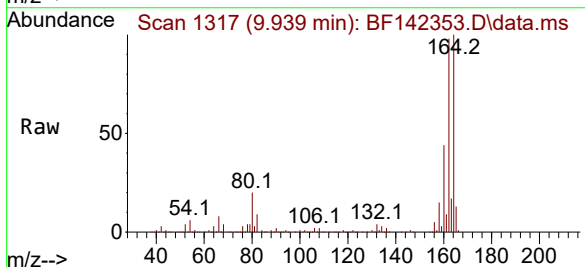
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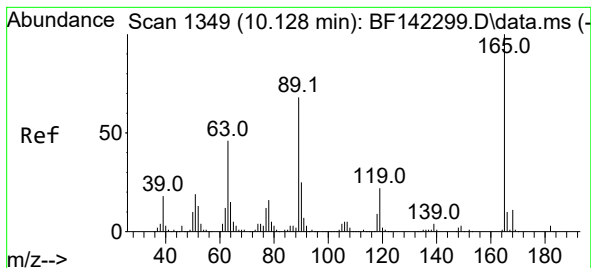
Tgt Ion:172 Resp: 1676734
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.5 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.725 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:165 Resp: 60495
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.2 44.6 66.8#

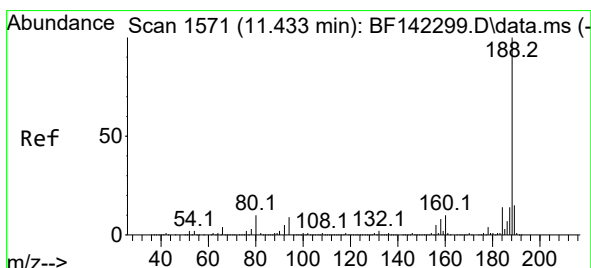
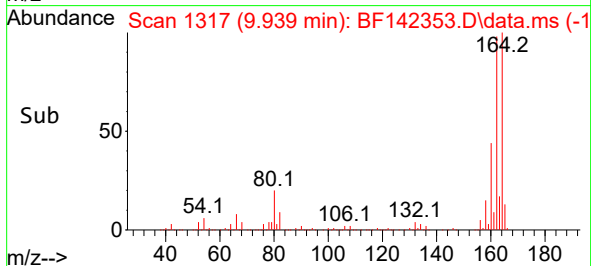
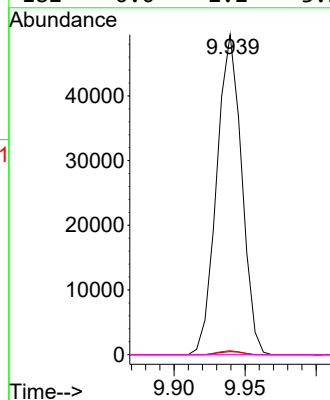
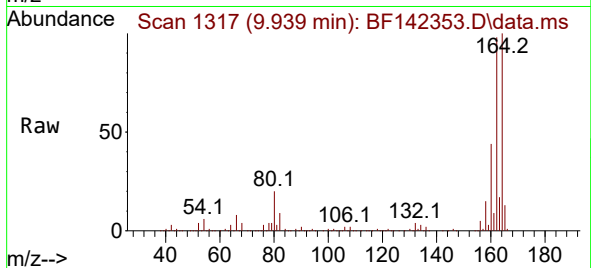




#57
2,4-Dinitrotoluene
Concen: 8.361 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

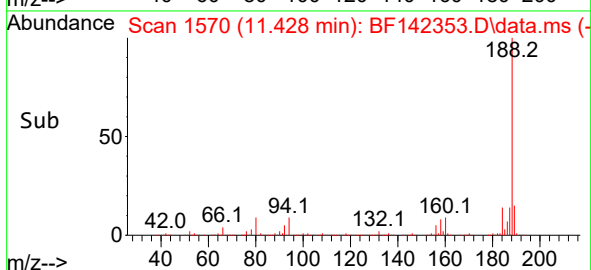
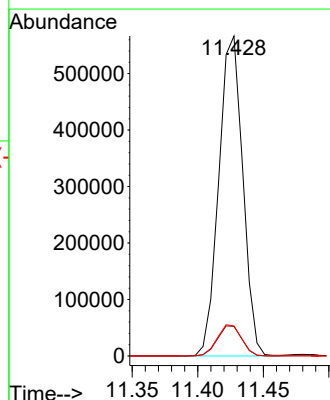
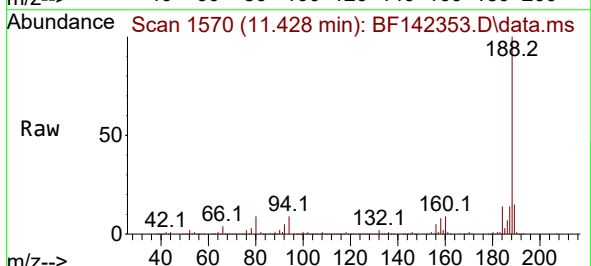
Instrument :
BNA_F
ClientSampleId :
R0202

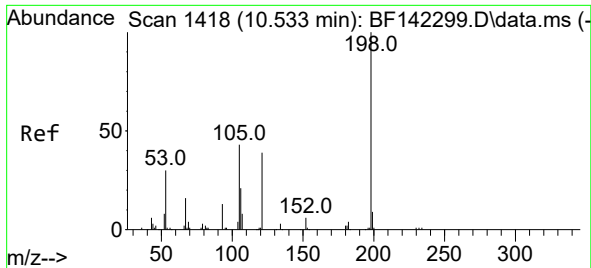
Tgt Ion:165 Resp: 60495
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 1.2 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:188 Resp: 720167
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.4 7.9 11.9

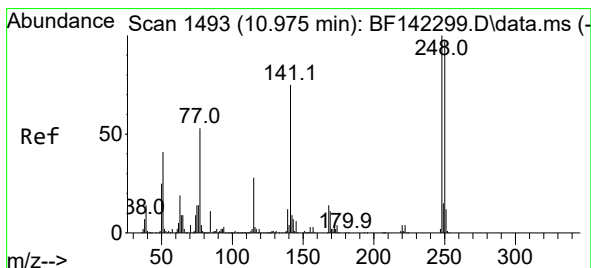
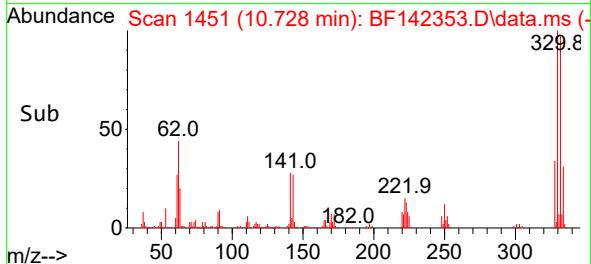
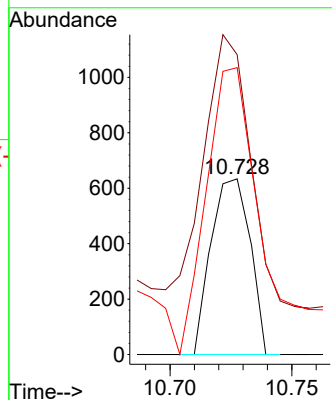
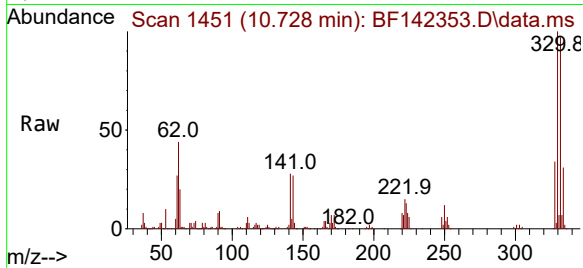




#65
4,6-Dinitro-2-methylphenol
Concen: 7.364 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

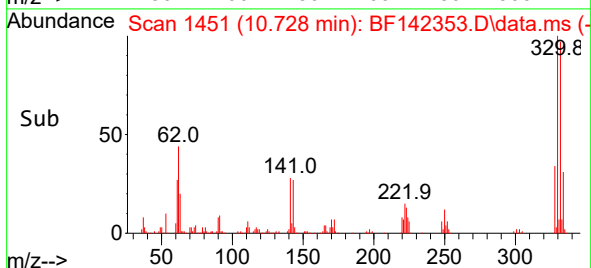
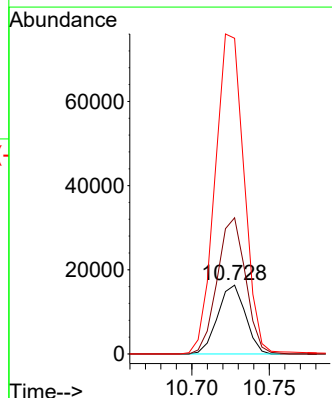
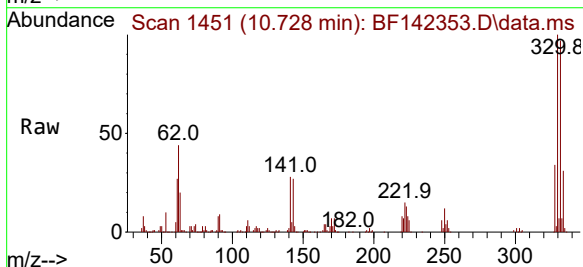
Instrument :
BNA_F
ClientSampleId :
R0202

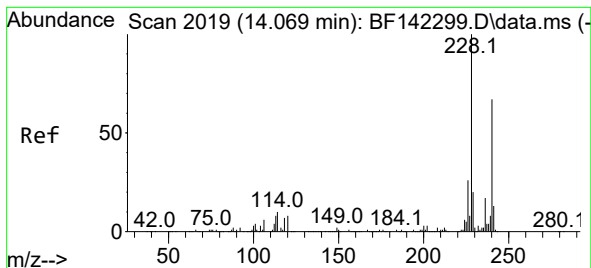
Tgt Ion:198 Resp: 707
Ion Ratio Lower Upper
198 100
51 170.7 32.9 72.9#
105 163.2 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.489 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:248 Resp: 20313
Ion Ratio Lower Upper
248 100
250 198.1 77.9 116.9#
141 459.3 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: BF142353.D

Acq: 13 May 2025 19:35

Instrument :

BNA_F

ClientSampleId :

R0202

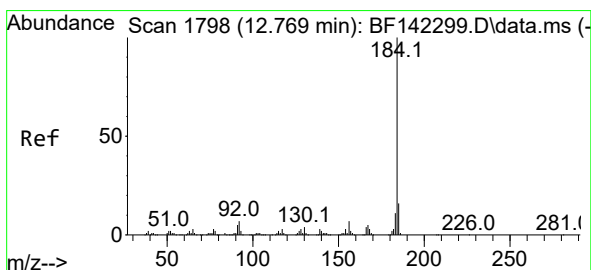
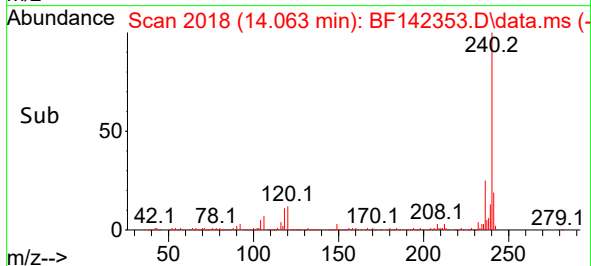
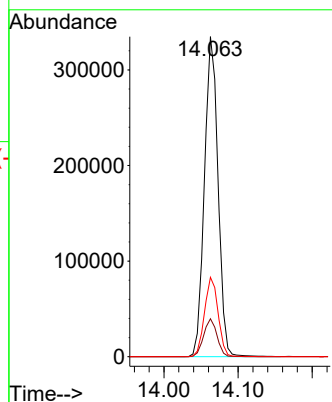
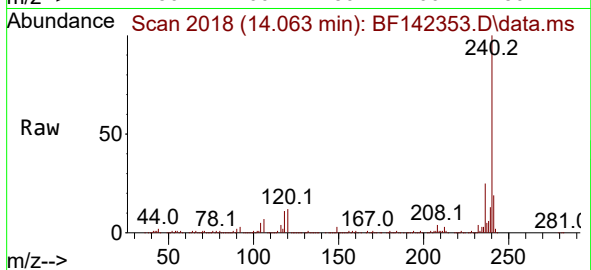
Tgt Ion:240 Resp: 427046

Ion Ratio Lower Upper

240 100

120 11.8 9.7 14.5

236 24.8 20.0 30.0



#77

Benidine

Concen: 2.153 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.241 min

Lab File: BF142353.D

Acq: 13 May 2025 19:35

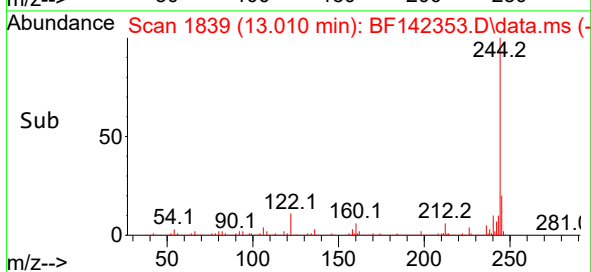
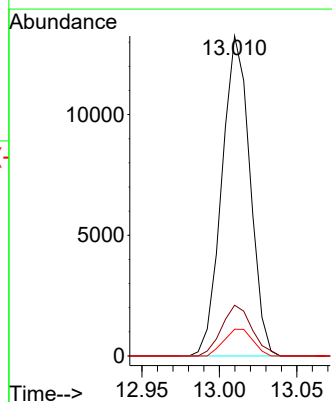
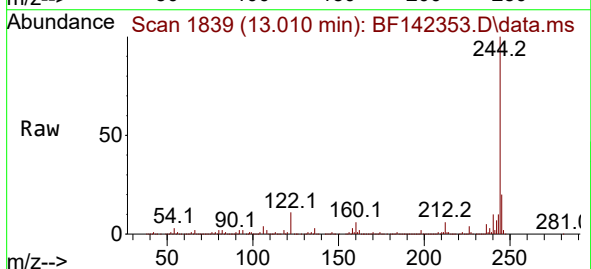
Tgt Ion:184 Resp: 16706

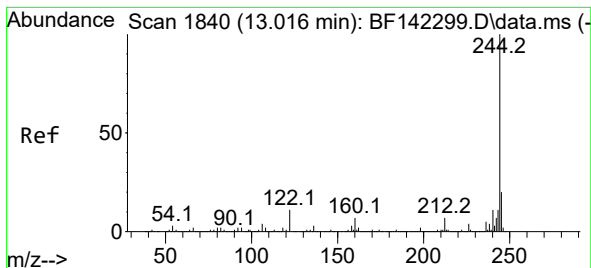
Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

183 8.4 8.6 12.8#





#79

Terphenyl-d14

Concen: 47.324 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142353.D

Acq: 13 May 2025 19:35

Instrument :

BNA_F

ClientSampleId :

R0202

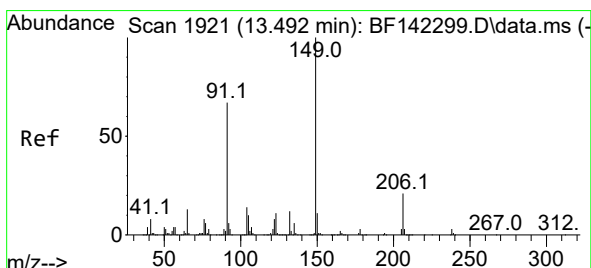
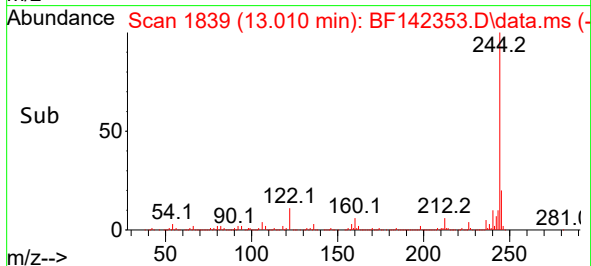
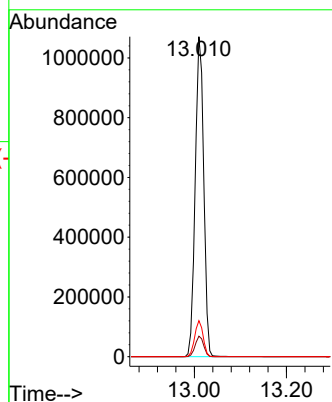
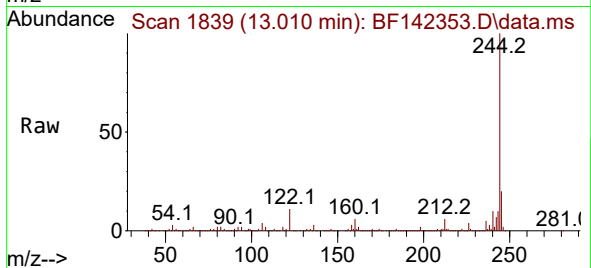
Tgt Ion:244 Resp: 1365424

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 11.3 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.794 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142353.D

Acq: 13 May 2025 19:35

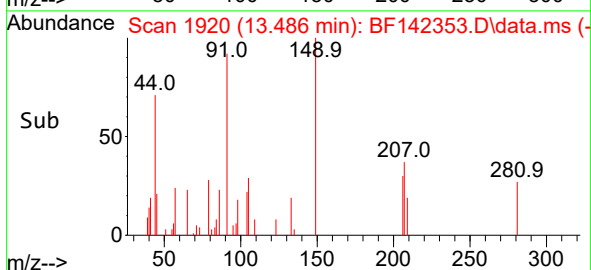
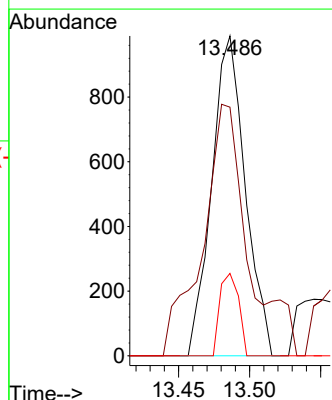
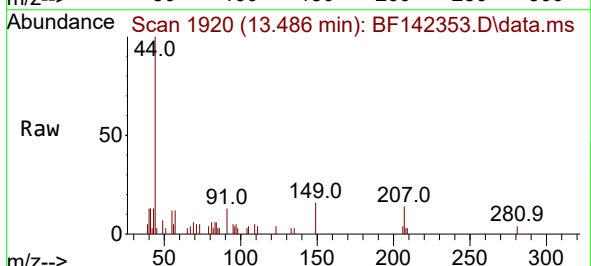
Tgt Ion:149 Resp: 1624

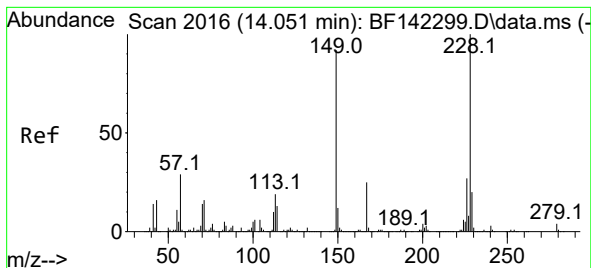
Ion Ratio Lower Upper

149 100

91 77.8 53.8 80.6

206 25.8 16.6 24.8#

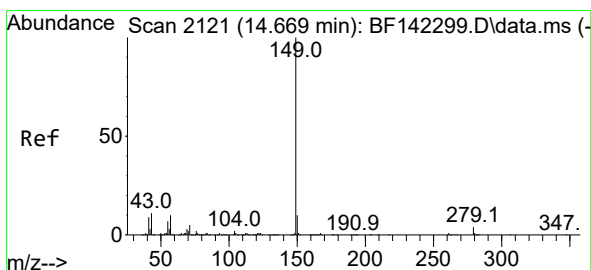
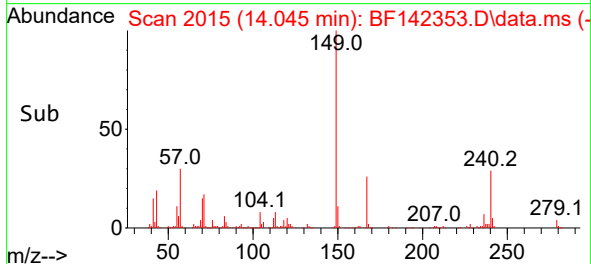
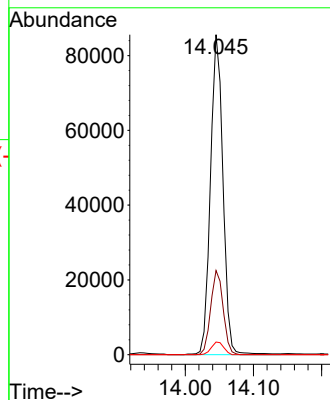
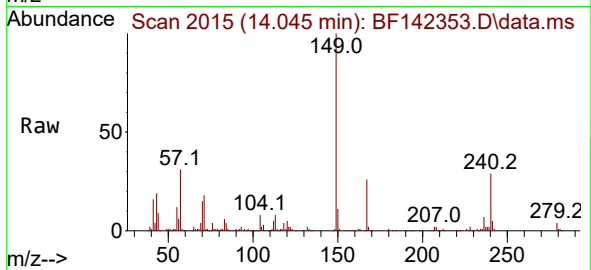




#84
Bis(2-ethylhexyl)phthalate
Concen: 11.138 ng
RT: 14.045 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

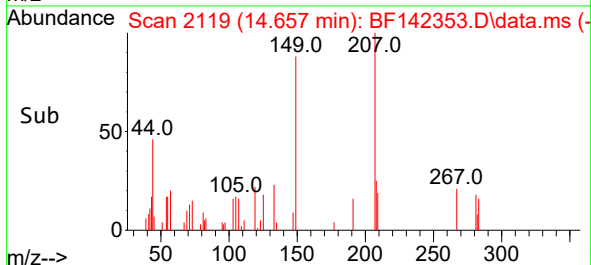
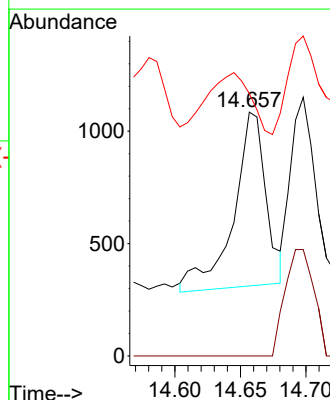
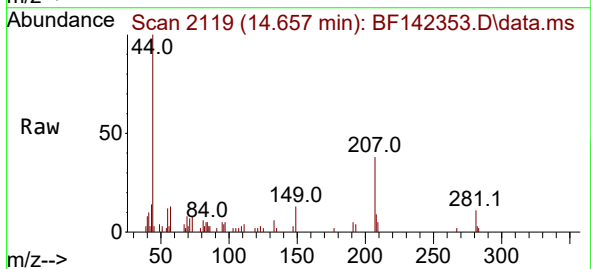
Instrument :
BNA_F
ClientSampleId :
R0202

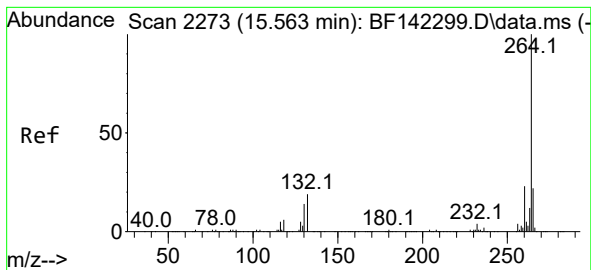
Tgt Ion:149 Resp: 109342
Ion Ratio Lower Upper
149 100
167 26.3 22.0 33.0
279 3.9 3.0 4.6



#85
Di-n-octyl phthalate
Concen: 7.883 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142353.D
Acq: 13 May 2025 19:35

Tgt Ion:149 Resp: 1331
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 48.5 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: BF142353.D
Acq: 13 May 2025 19:35

Instrument :
BNA_F
ClientSampleId :
R0202

Tgt Ion:264 Resp: 469638

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.6	17.5	26.3

