

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142347.D
 Acq On : 13 May 2025 16:43
 Operator : RC/JU
 Sample : Q2007-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-11

Quant Time: May 13 17:31:30 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)

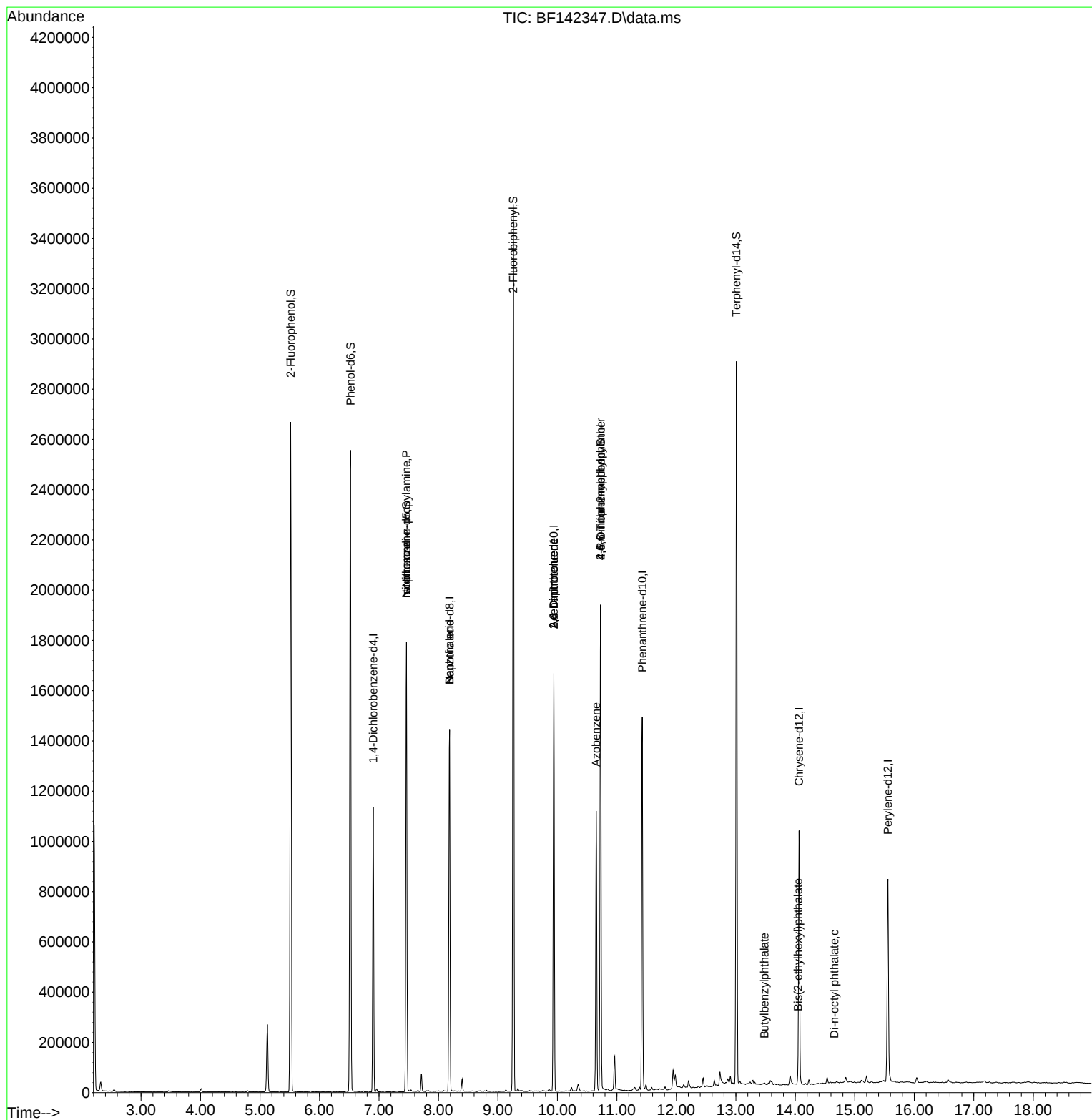
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	238007	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	920344	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	483686	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	764787	20.000	ng	0.00
76) Chrysene-d12	14.063	240	473119	20.000	ng	0.00
86) Perylene-d12	15.557	264	478406	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1023344	73.398	ng	0.00
7) Phenol-d6	6.522	99	1245225	72.616	ng	0.00
23) Nitrobenzene-d5	7.463	82	742283	49.188	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	343618	73.581	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1595663	47.039	ng	0.00
79) Terphenyl-d14	13.010	244	1388591	43.441	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.463	70	98156	9.254	ng	# 78
25) Isophorone	7.463	82	730503	25.563	ng	# 62
32) Benzoic acid	8.187	122	211	6.043	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	62969	10.831	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	62969	8.444	ng	# 25
63) Azobenzene	10.651	77	257283	8.680	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	671	7.345	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	20294	2.341	ng	# 1
80) Butylbenzylphthalate	13.480	149	1503	3.772	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.045	149	11577	4.896	ng	96
85) Di-n-octyl phthalate	14.657	149	1241	7.876	ng	# 73

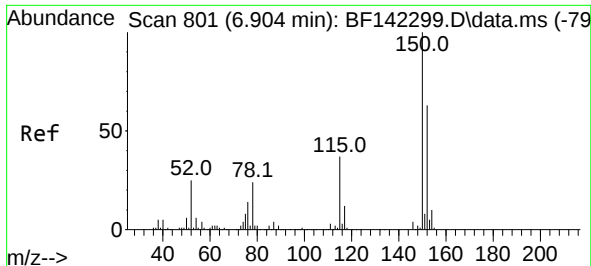
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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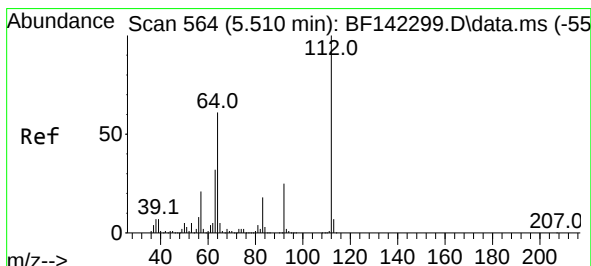
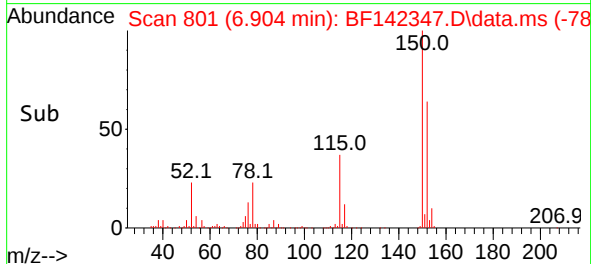
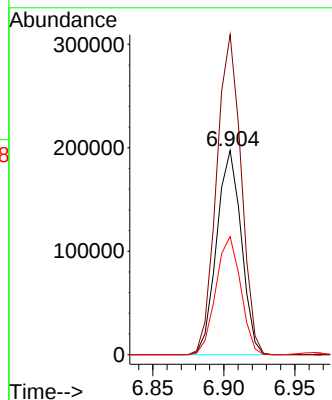
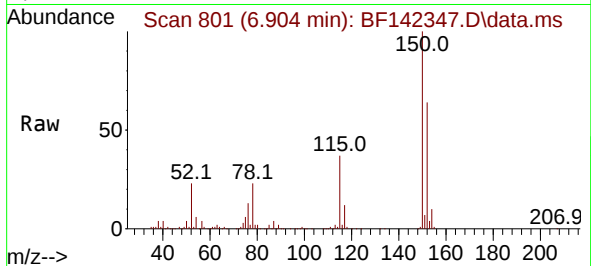




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

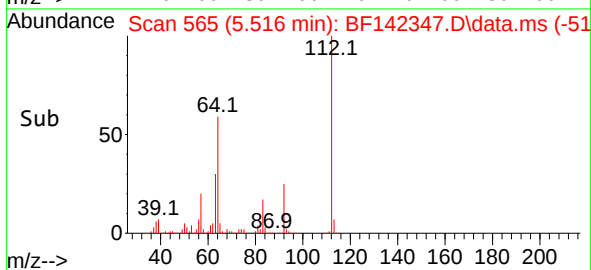
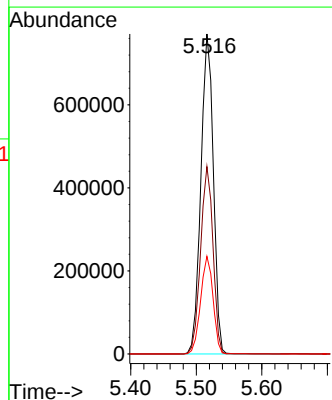
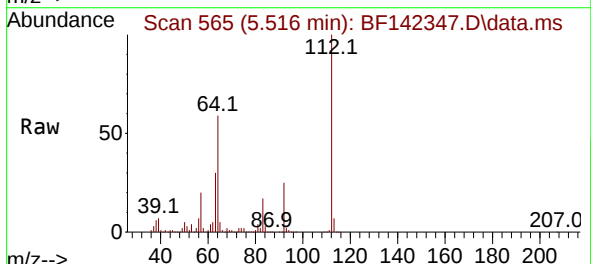
Instrument :
BNA_F
ClientSampleId :
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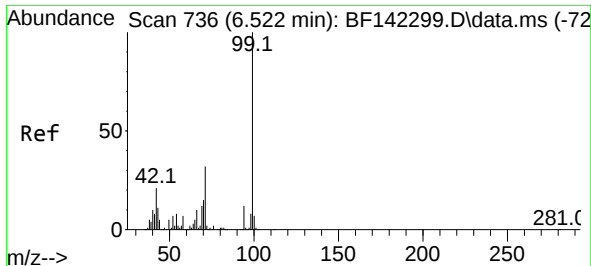
Tgt Ion:152 Resp: 238007
Ion Ratio Lower Upper
152 100
150 156.8 126.6 190.0
115 57.8 47.3 70.9



#5
2-Fluorophenol
Concen: 73.398 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion:112 Resp: 1023344
Ion Ratio Lower Upper
112 100
64 58.6 48.9 73.3
63 30.5 25.6 38.4

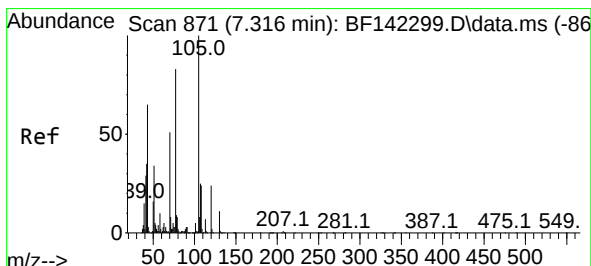
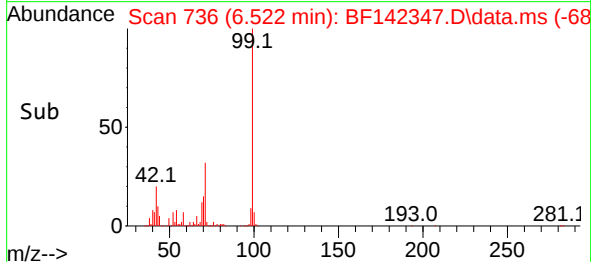
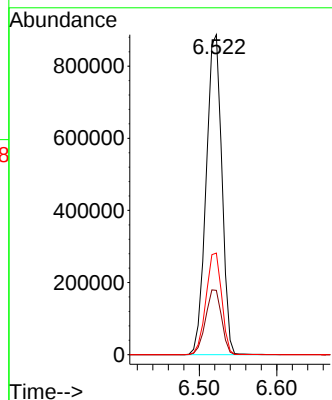
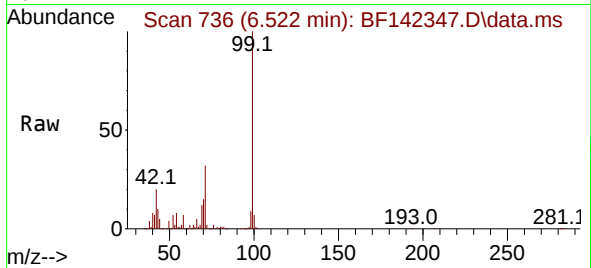




#7
Phenol-d6
Concen: 72.616 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

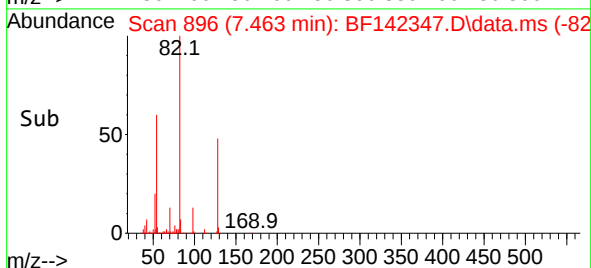
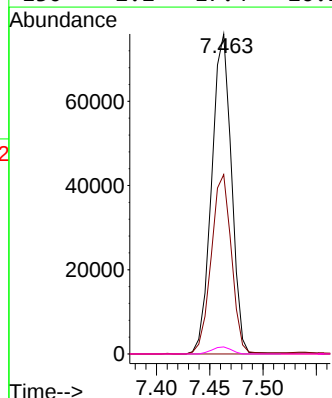
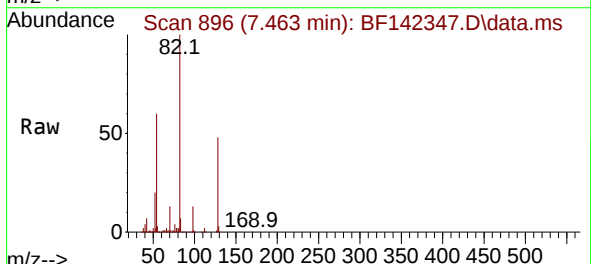
Instrument :
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ClientSampleId :
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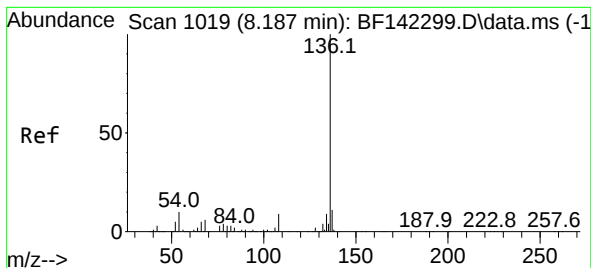
Tgt Ion: 99 Resp: 1245225
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.4
71 31.7 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.254 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion: 70 Resp: 98156
Ion Ratio Lower Upper
70 100
42 56.1 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: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142347.D

Acq: 13 May 2025 16:43

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-11

Tgt Ion:136 Resp: 920344

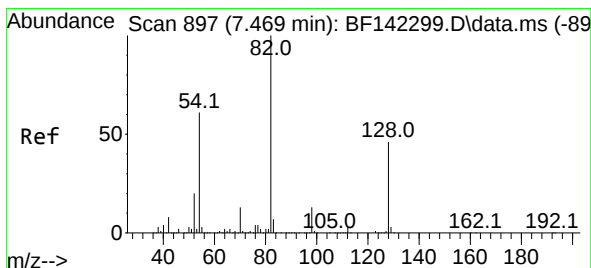
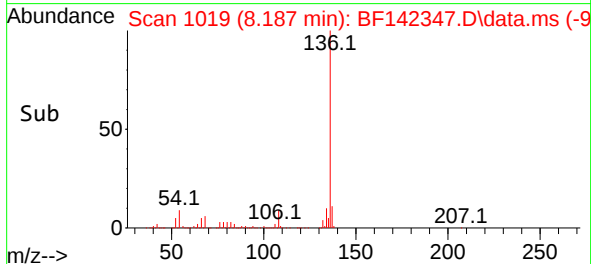
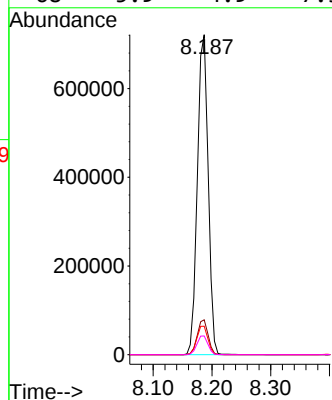
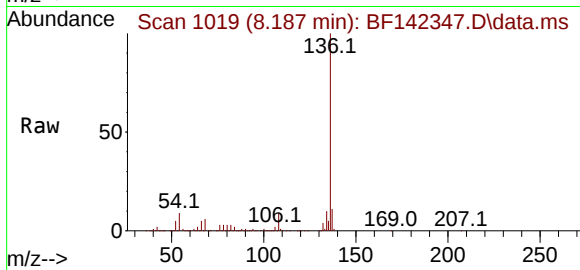
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.9 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 49.188 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142347.D

Acq: 13 May 2025 16:43

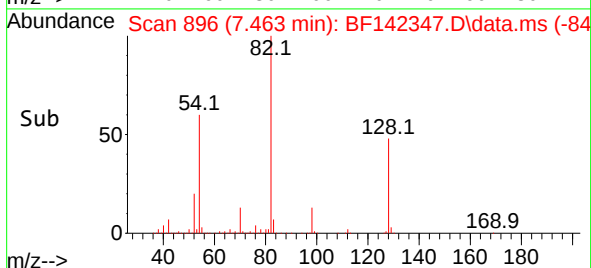
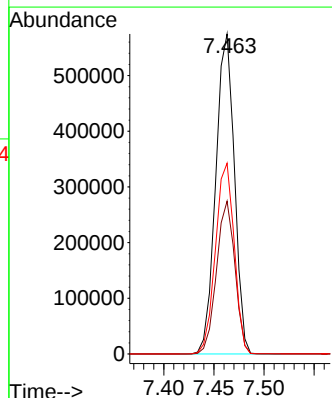
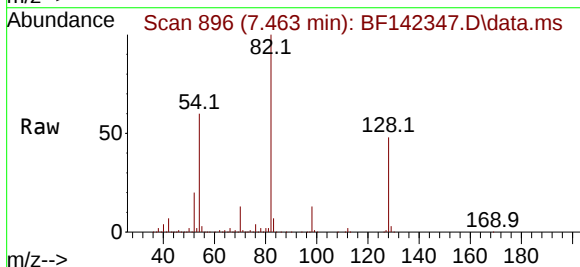
Tgt Ion: 82 Resp: 742283

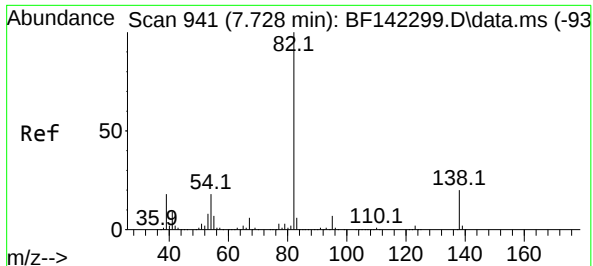
Ion Ratio Lower Upper

82 100

128 47.8 37.0 55.6

54 59.6 48.6 73.0

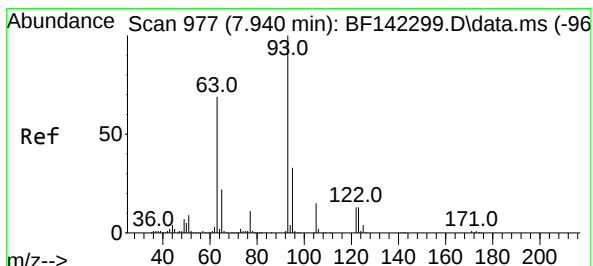
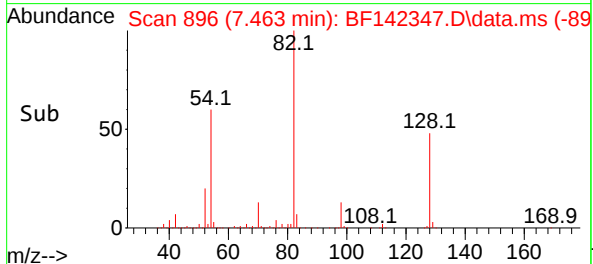
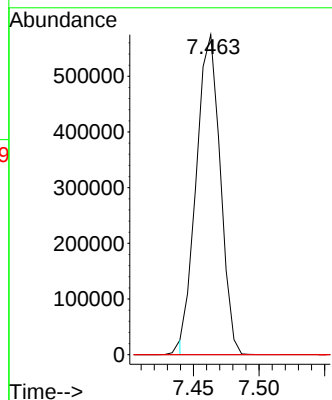
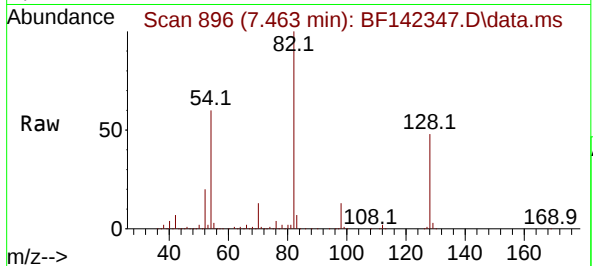




#25
Isophorone
Concen: 25.563 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

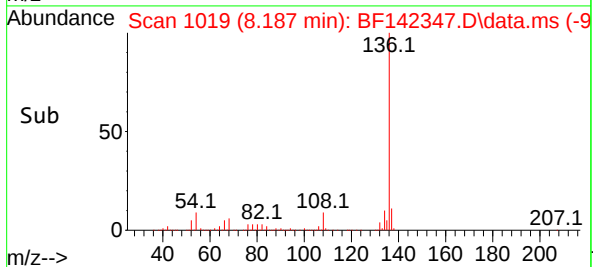
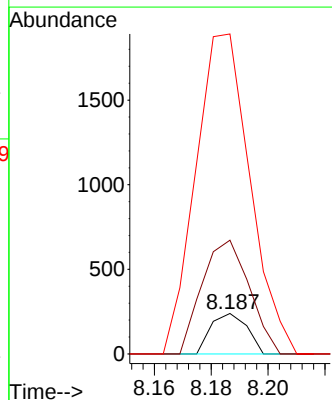
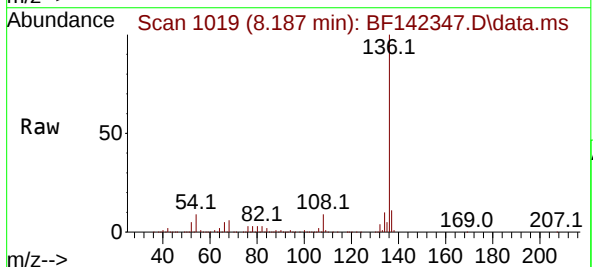
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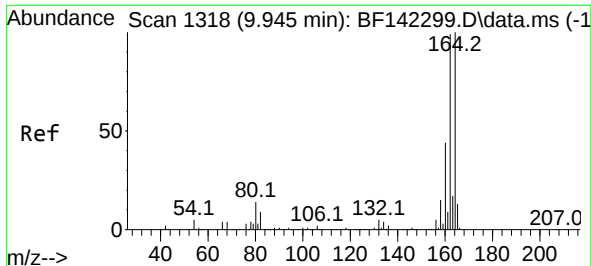
Tgt Ion: 82 Resp: 730503
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.043 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.247 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion:122 Resp: 211
Ion Ratio Lower Upper
122 100
105 281.2 97.9 137.9#
77 791.2 67.7 107.7#

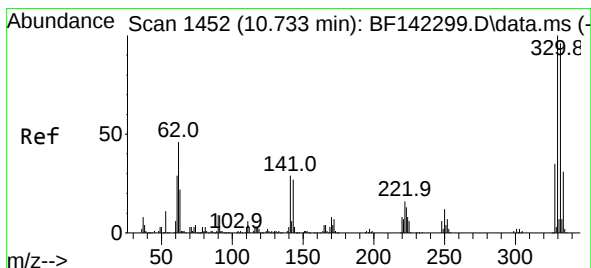
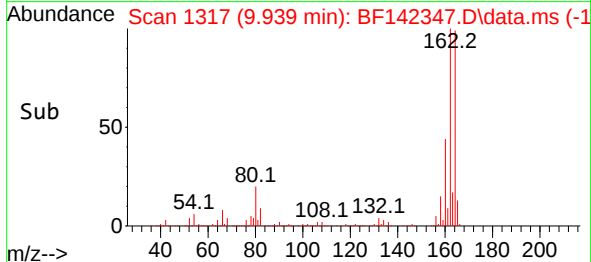
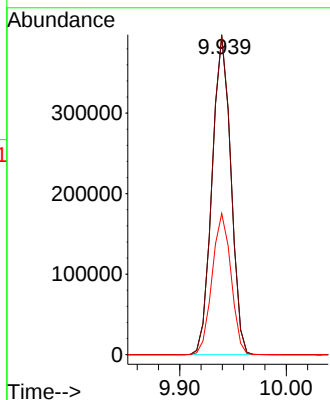
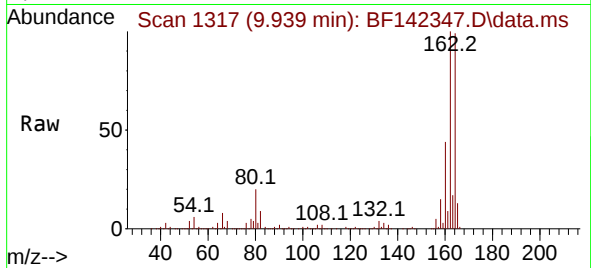




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

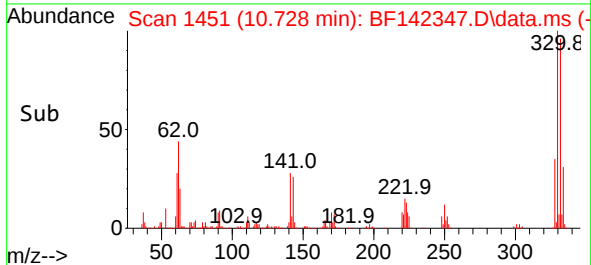
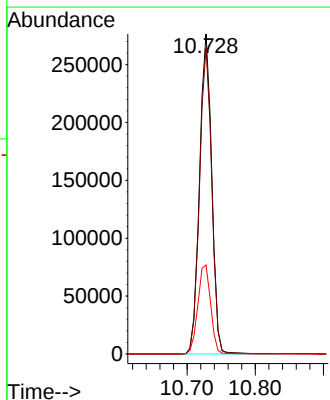
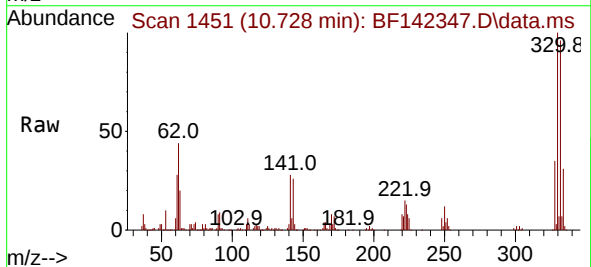
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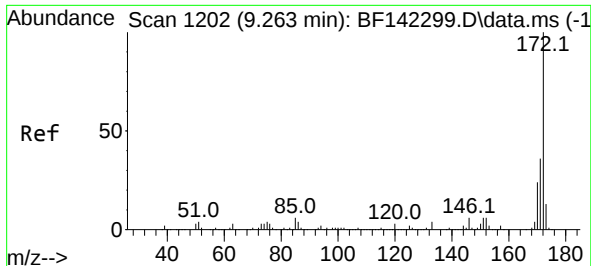
Tgt Ion:164 Resp: 483686
Ion Ratio Lower Upper
164 100
162 100.5 79.2 118.8
160 44.4 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 73.581 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion:330 Resp: 343618
Ion Ratio Lower Upper
330 100
332 95.7 76.8 115.2
141 29.2 24.9 37.3

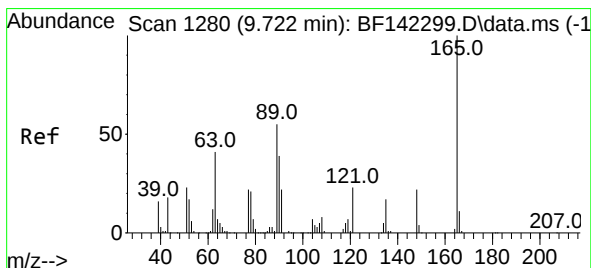
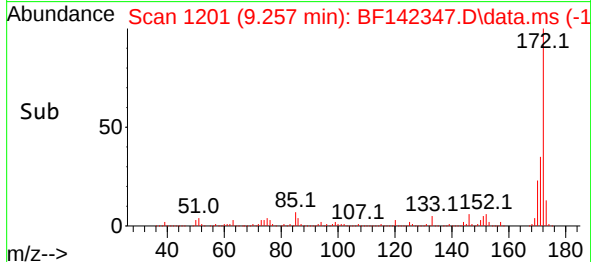
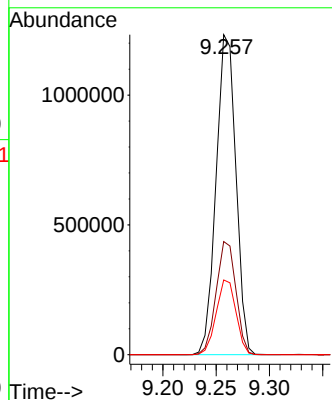
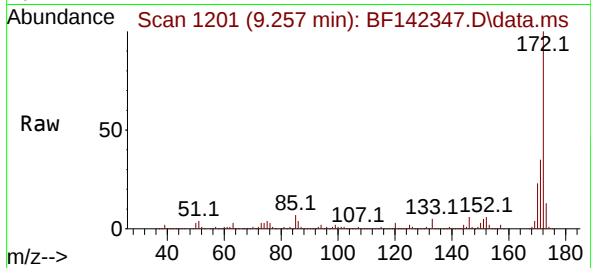




#45
2-Fluorobiphenyl
Concen: 47.039 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

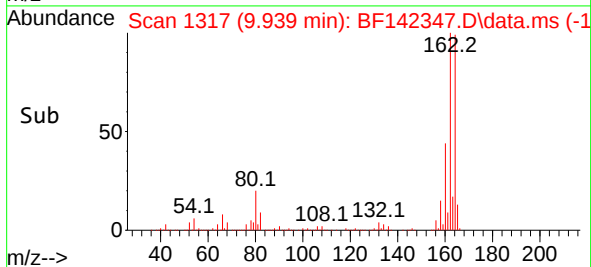
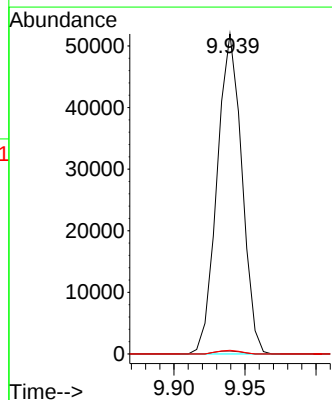
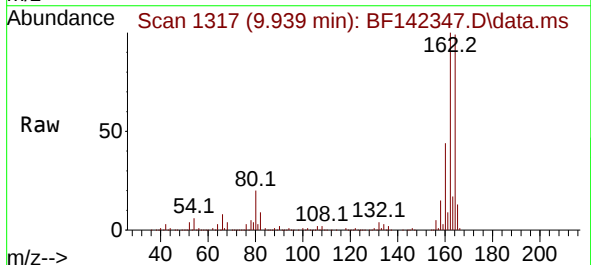
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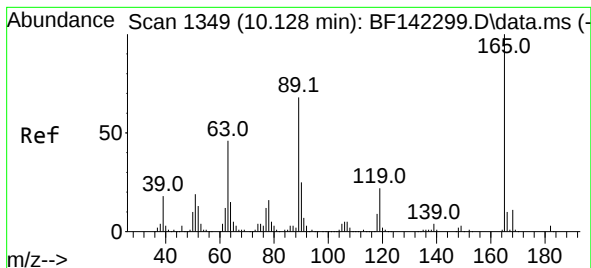
Tgt Ion:172 Resp: 1595663
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.3 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.831 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion:165 Resp: 62969
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.1 44.6 66.8#

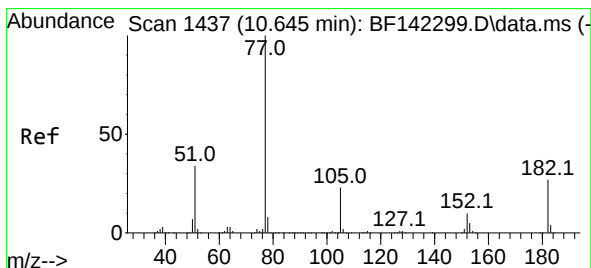
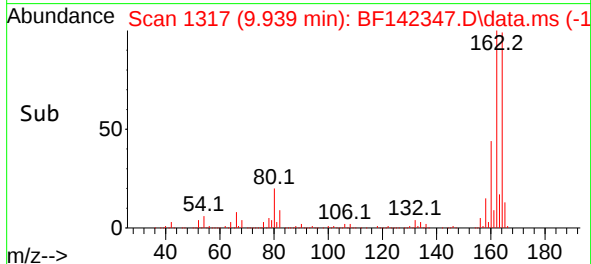
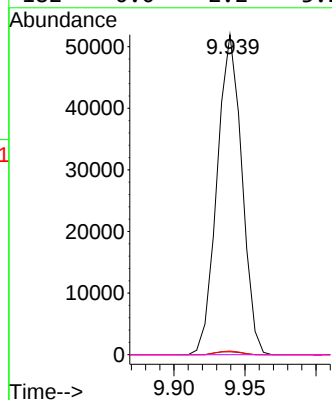
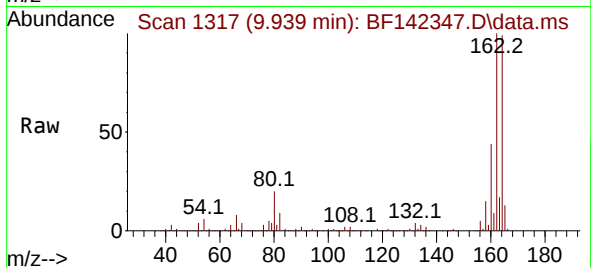




#57
2,4-Dinitrotoluene
Concen: 8.444 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

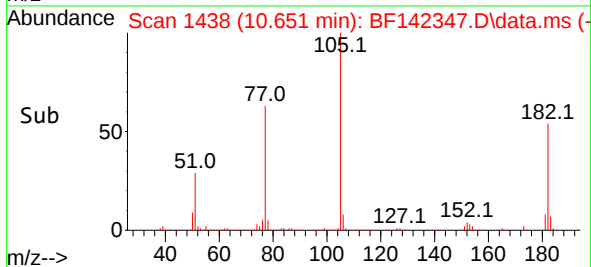
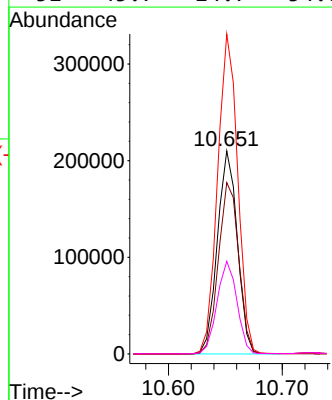
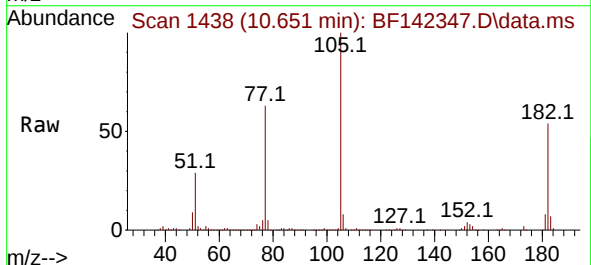
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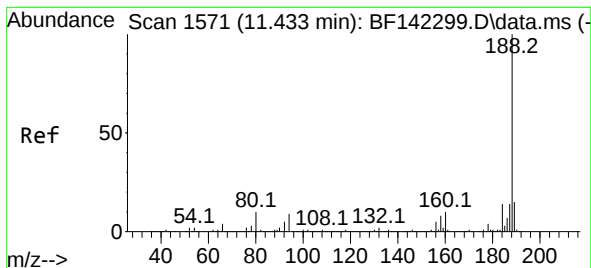
Tgt Ion:165 Resp: 62969
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 8.680 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion: 77 Resp: 257283
Ion Ratio Lower Upper
77 100
182 84.4 6.9 46.9#
105 157.6 2.7 42.7#
51 45.7 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142347.D

Acq: 13 May 2025 16:43

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-11

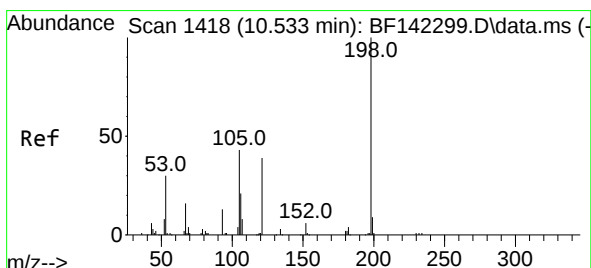
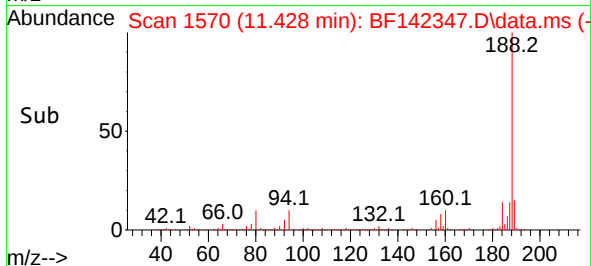
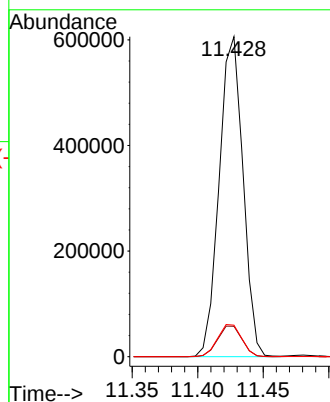
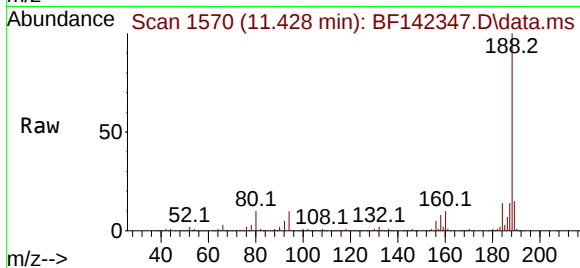
Tgt Ion:188 Resp: 764787

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 9.9 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.345 ng

RT: 10.728 min Scan# 1451

Delta R.T. 0.195 min

Lab File: BF142347.D

Acq: 13 May 2025 16:43

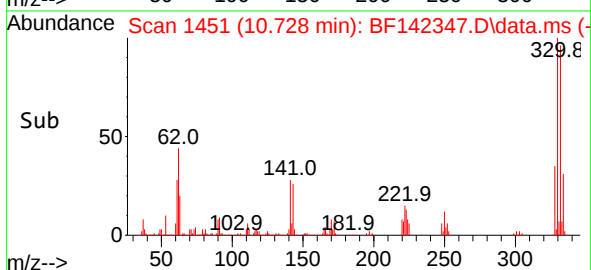
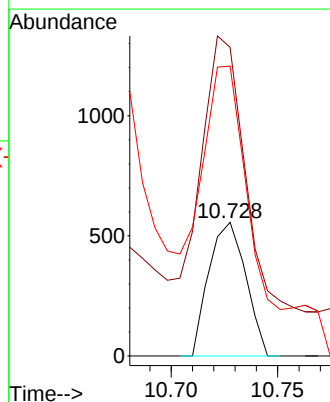
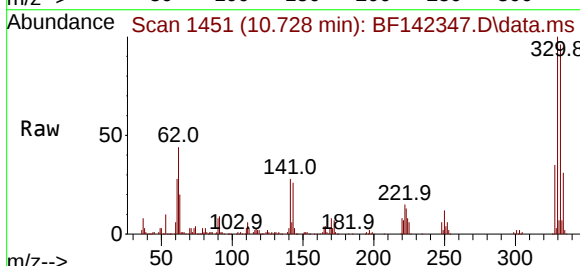
Tgt Ion:198 Resp: 671

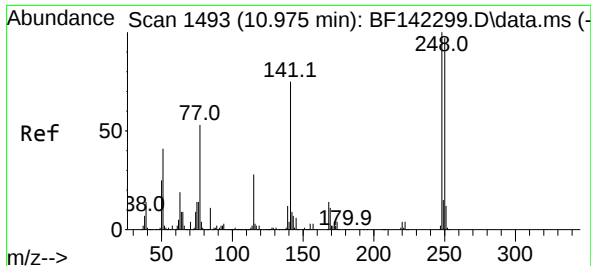
Ion Ratio Lower Upper

198 100

51 231.1 32.9 72.9#

105 217.1 23.7 63.7#

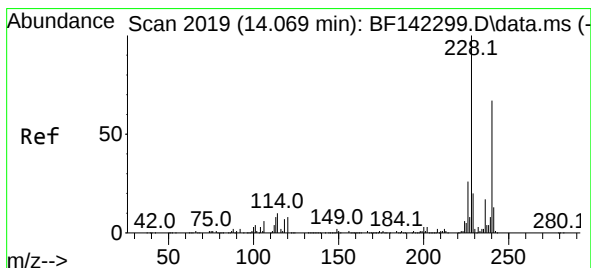
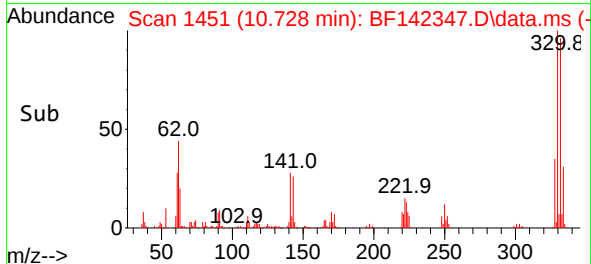
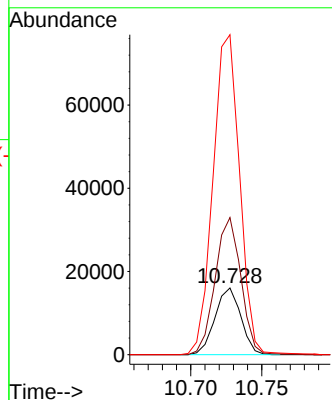
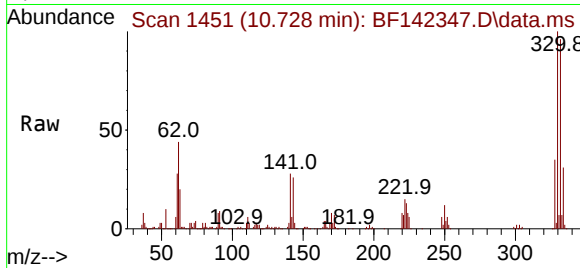




#67
4-Bromophenyl-phenylether
Concen: 2.341 ng
RT: 10.728 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

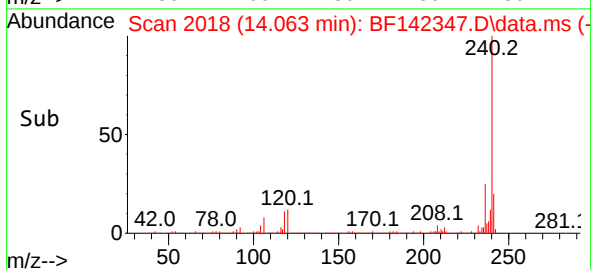
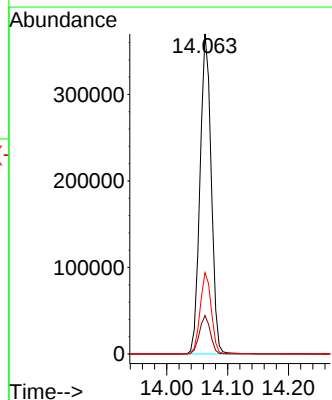
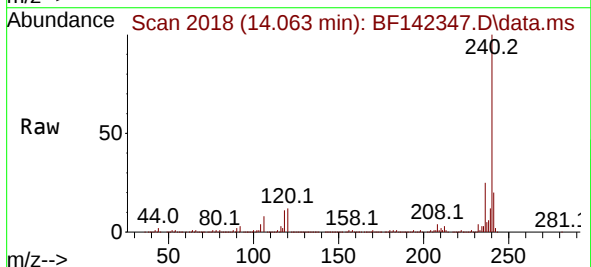
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-11

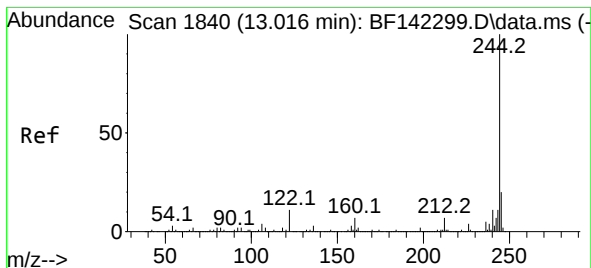
Tgt Ion:248 Resp: 20294
Ion Ratio Lower Upper
248 100
250 205.4 77.9 116.9#
141 479.1 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

Tgt Ion:240 Resp: 473119
Ion Ratio Lower Upper
240 100
120 12.0 9.7 14.5
236 25.4 20.0 30.0





#79

Terphenyl-d14

Concen: 43.441 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142347.D

Acq: 13 May 2025 16:43

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-11

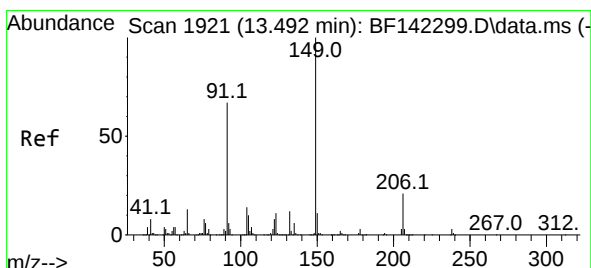
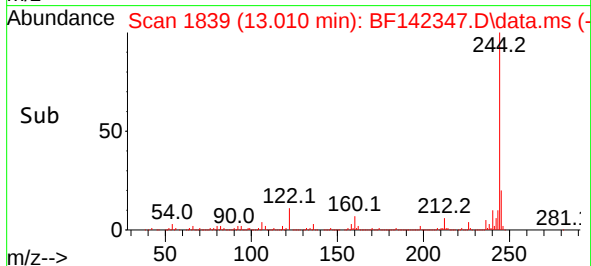
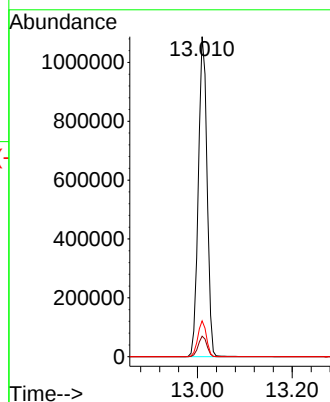
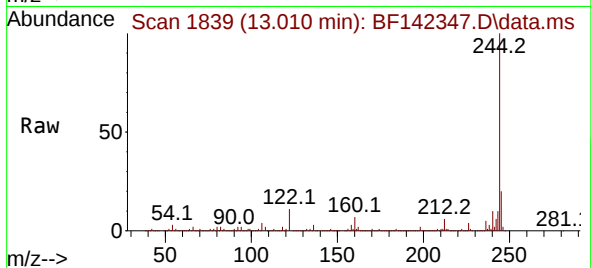
Tgt Ion:244 Resp: 1388591

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 11.2 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.772 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142347.D

Acq: 13 May 2025 16:43

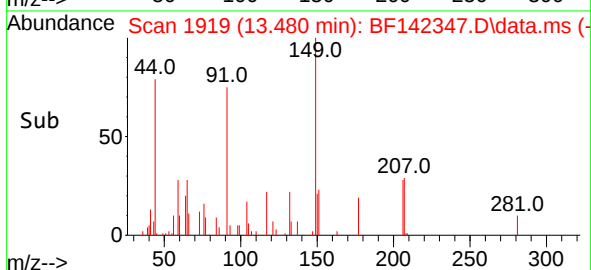
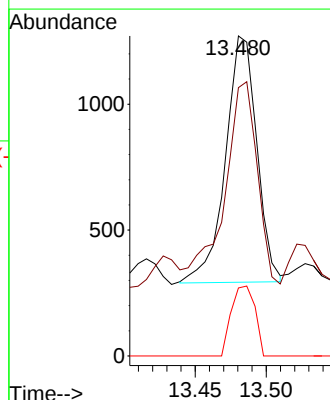
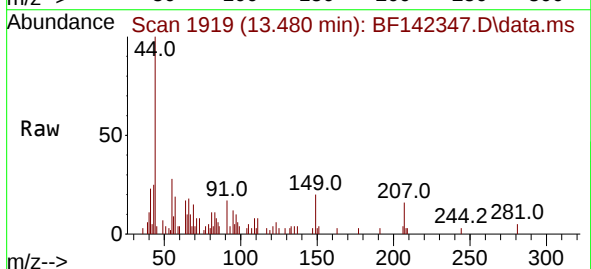
Tgt Ion:149 Resp: 1503

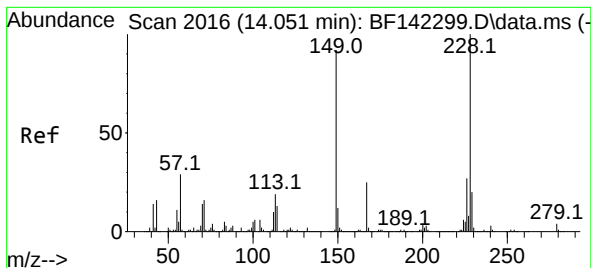
Ion Ratio Lower Upper

149 100

91 83.9 53.8 80.6#

206 21.2 16.6 24.8

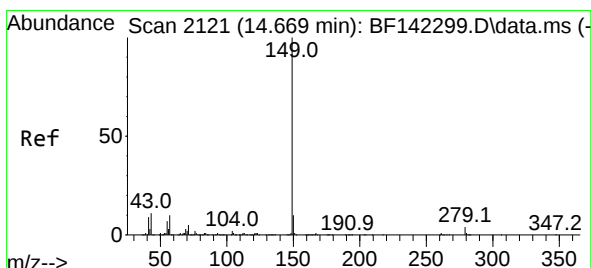
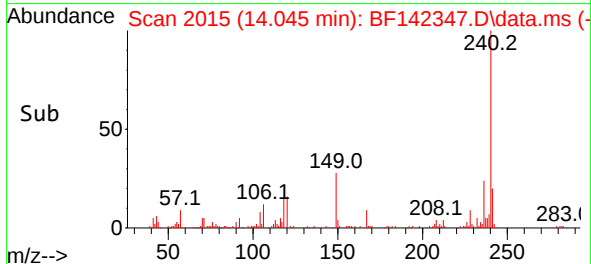
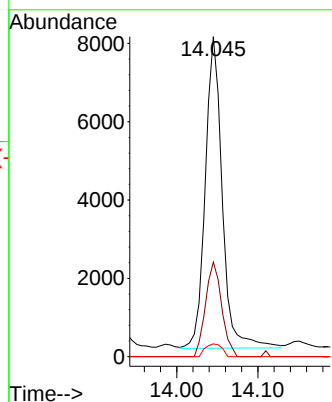
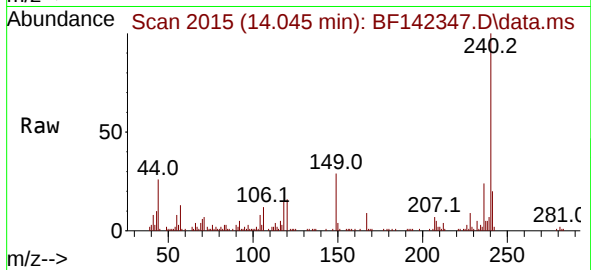




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.896 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

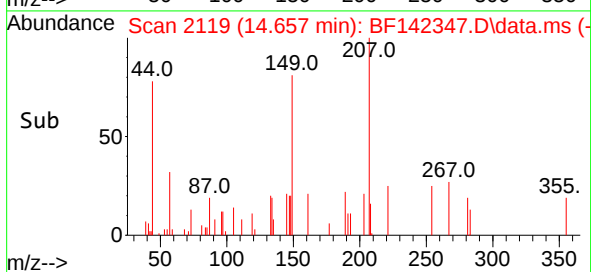
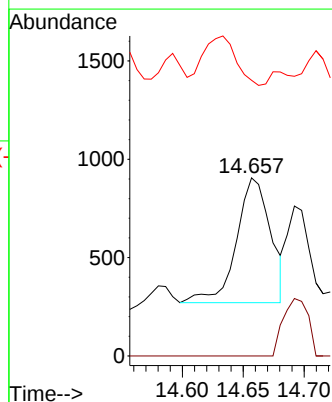
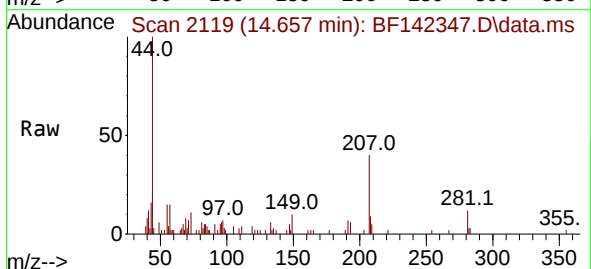
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-11

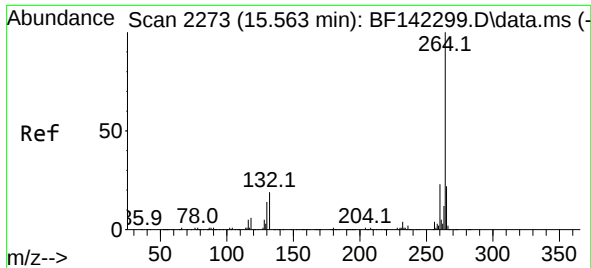
Tgt Ion:149 Resp: 11577
Ion Ratio Lower Upper
149 100
167 29.6 22.0 33.0
279 4.0 3.0 4.6



#85
Di-n-octyl phthalate
Concen: 7.876 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142347.D
Acq: 13 May 2025 16:43

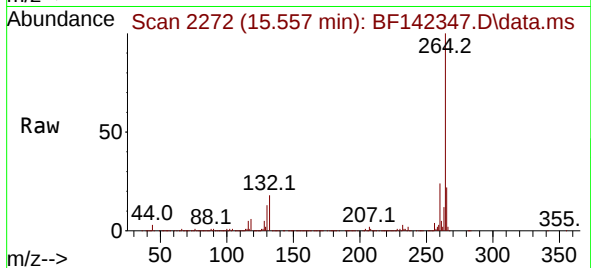
Tgt Ion:149 Resp: 1241
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 0.0 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142347.D
 Acq: 13 May 2025 16:43

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-11



Tgt Ion:264 Resp: 478406
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 27.8
 265 21.6 17.5 26.3

