

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142350.D
 Acq On : 13 May 2025 18:09
 Operator : RC/JU
 Sample : Q2007-25
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-14

Quant Time: May 13 18:36:48 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)

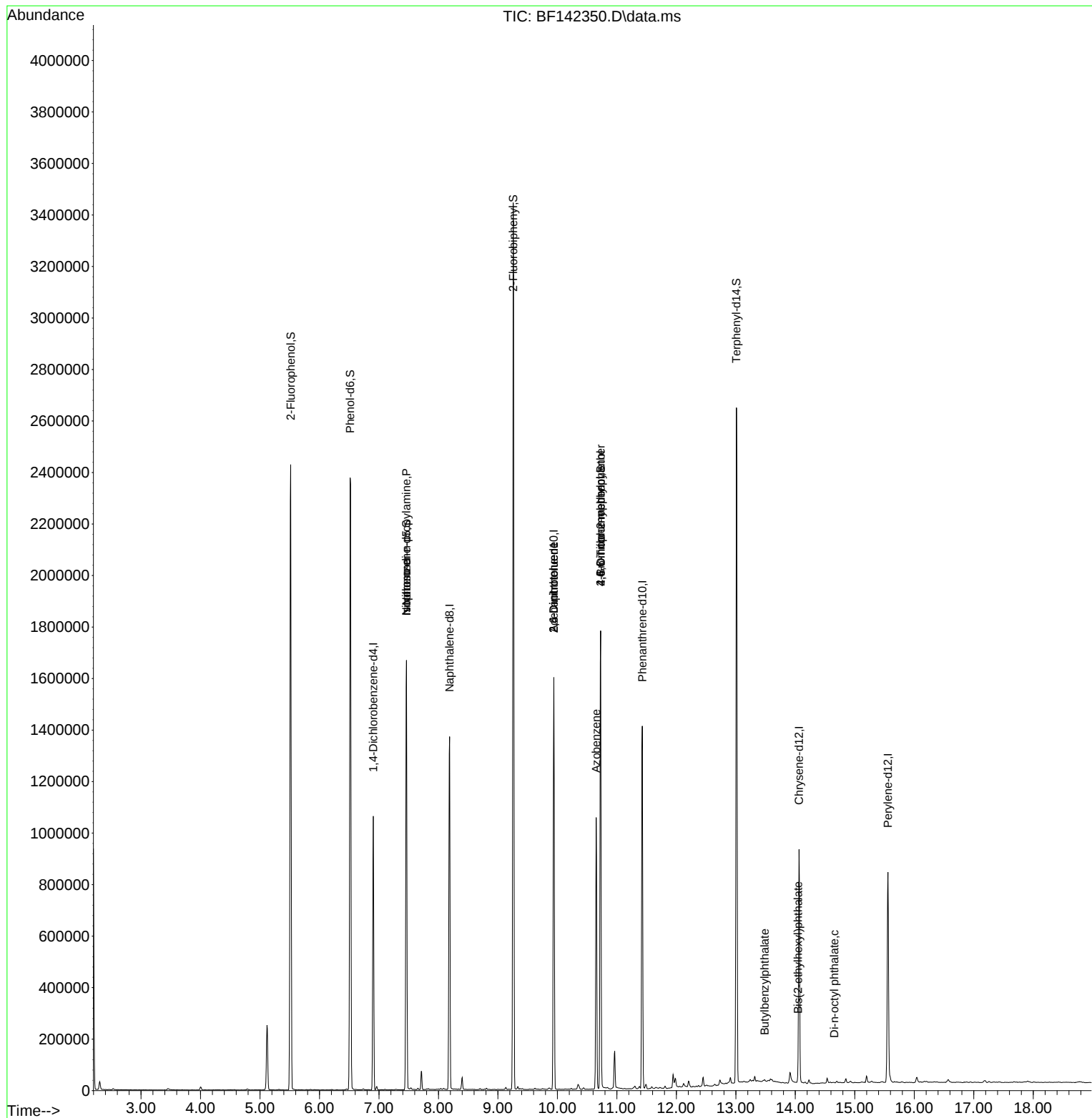
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	225066	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	864700	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	464305	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	725574	20.000	ng	0.00
76) Chrysene-d12	14.063	240	434210	20.000	ng	0.00
86) Perylene-d12	15.557	264	479635	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	947256	71.847	ng	0.00
7) Phenol-d6	6.516	99	1163960	71.780	ng	0.00
23) Nitrobenzene-d5	7.463	82	693108	48.885	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	311092	69.397	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1539630	47.282	ng	0.00
79) Terphenyl-d14	13.010	244	1266338	43.166	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	92272	9.199	ng	# 77
25) Isophorone	7.463	82	681510	25.383	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	60528	10.846	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	60528	8.455	ng	# 25
63) Azobenzene	10.651	77	242186	8.512	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.728	198	606	7.337	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	18772	2.283	ng	# 1
80) Butylbenzylphthalate	13.486	149	1347	3.770	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.045	149	8221	4.747	ng	# 94
85) Di-n-octyl phthalate	14.657	149	973	7.871	ng	# 1

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

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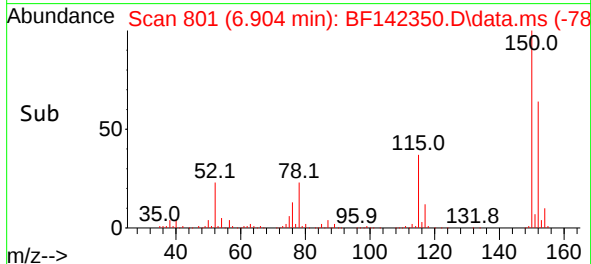
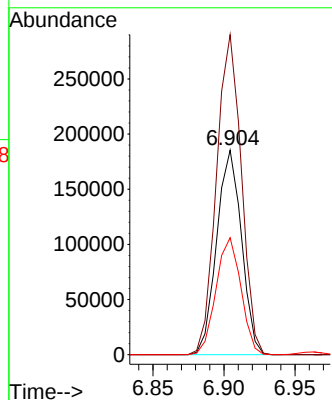
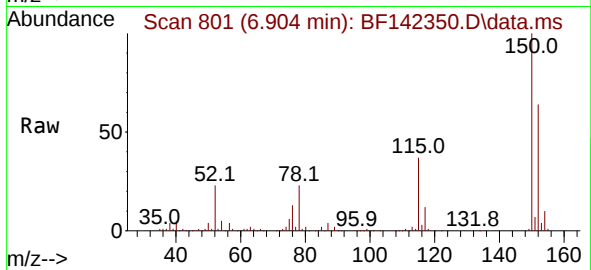




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

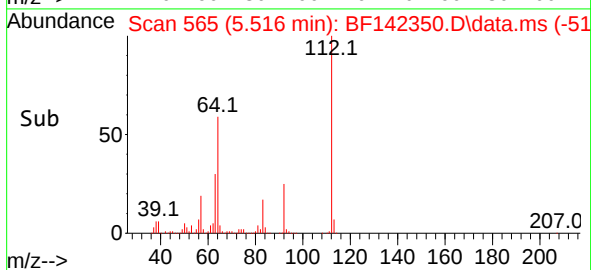
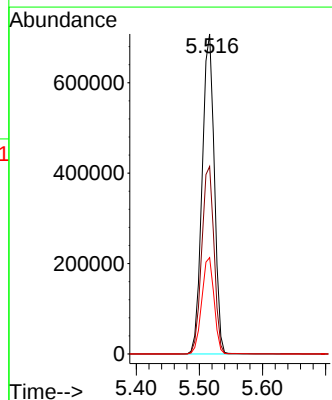
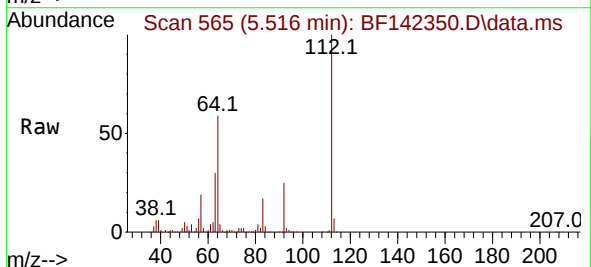
Instrument :
BNA_F
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OR-636-COMP-14

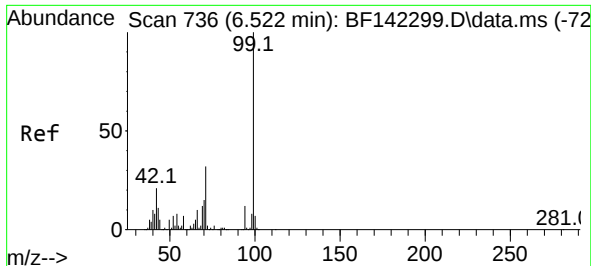
Tgt Ion:152 Resp: 225066
Ion Ratio Lower Upper
152 100
150 156.5 126.6 190.0
115 57.2 47.3 70.9



#5
2-Fluorophenol
Concen: 71.847 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion:112 Resp: 947256
Ion Ratio Lower Upper
112 100
64 58.6 48.9 73.3
63 30.1 25.6 38.4

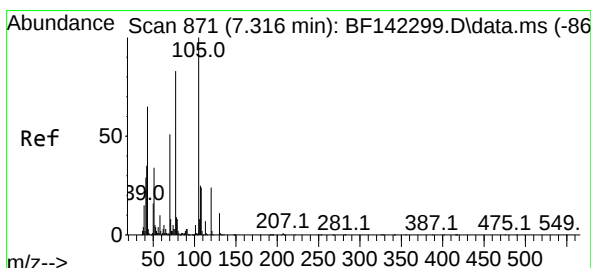
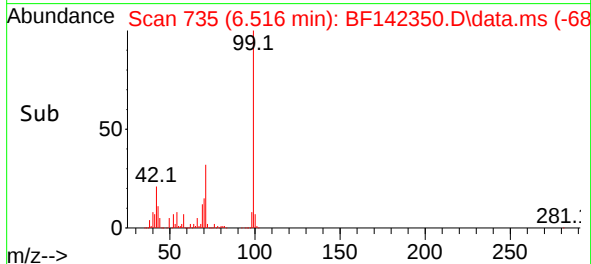
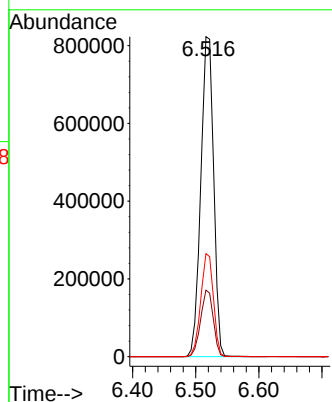
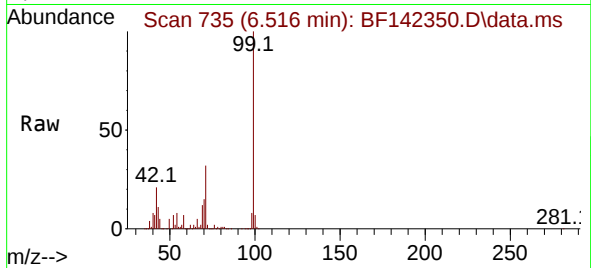




#7
Phenol-d6
Concen: 71.780 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

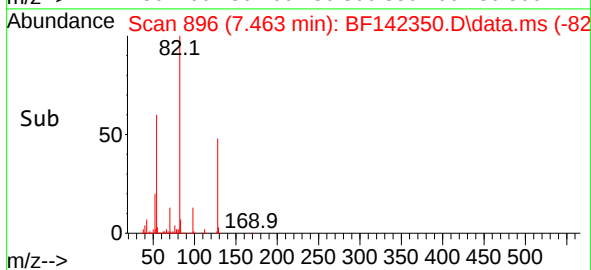
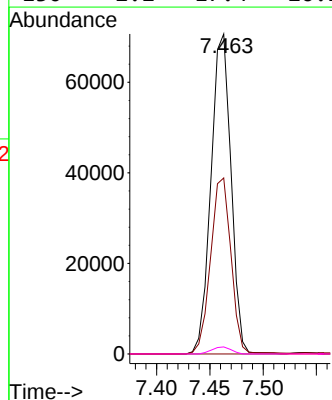
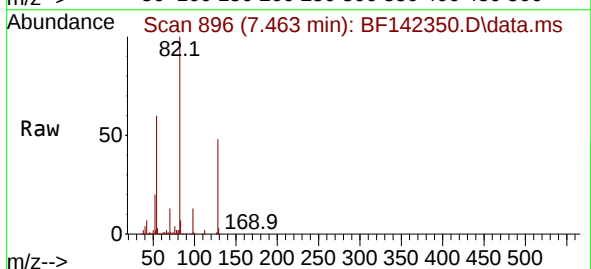
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-14

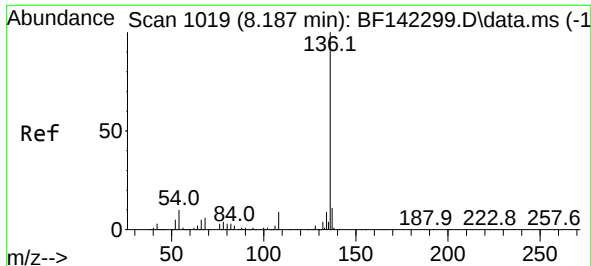
Tgt Ion: 99 Resp: 1163960
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.199 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion: 70 Resp: 92272
Ion Ratio Lower Upper
70 100
42 55.0 54.8 82.2
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#

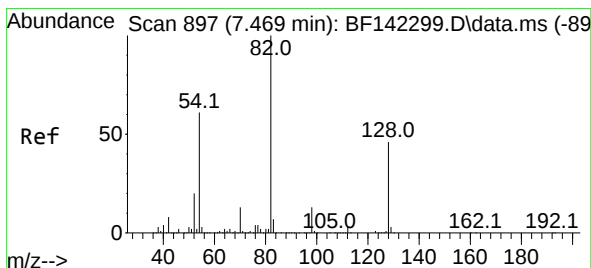
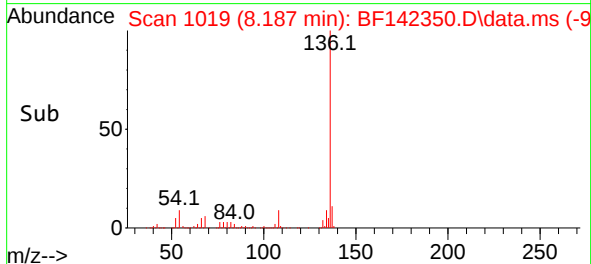
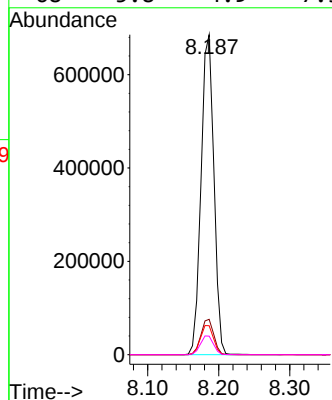
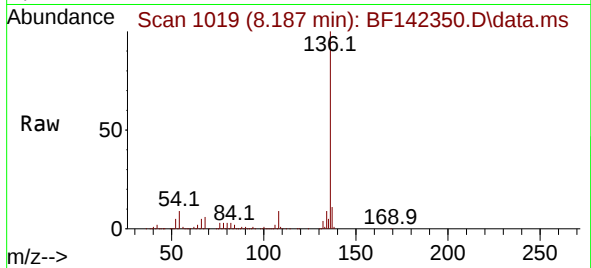




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

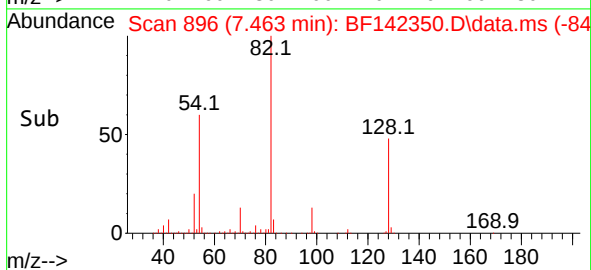
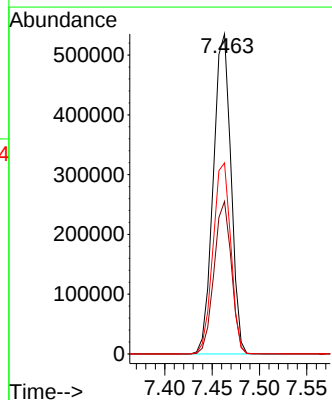
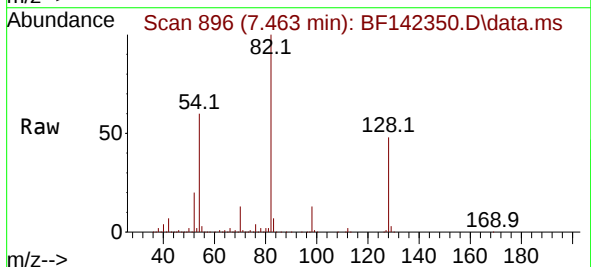
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-14

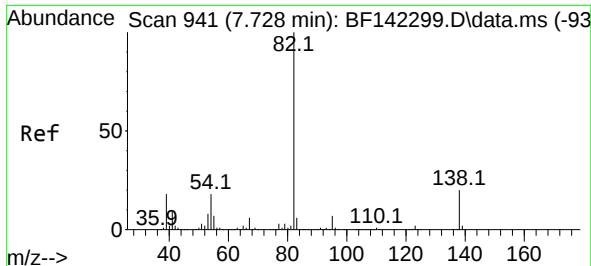
Tgt Ion:	136	Resp:	864700
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.1	7.7	11.5
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 48.885 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion:	82	Resp:	693108
Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.0	55.6
54	59.7	48.6	73.0

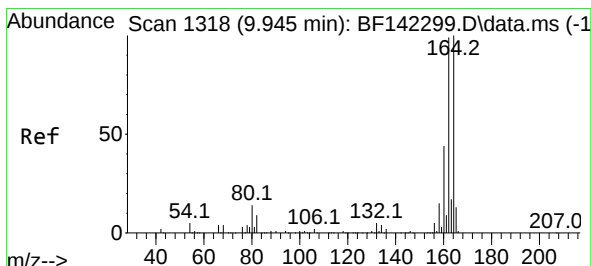
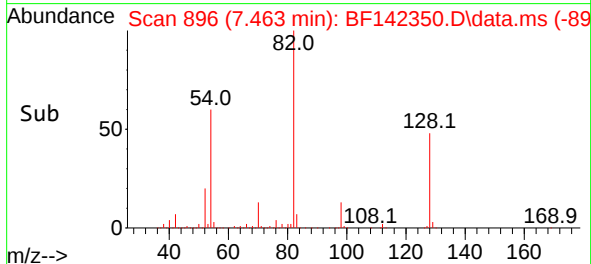
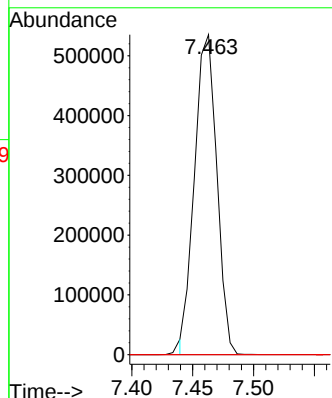
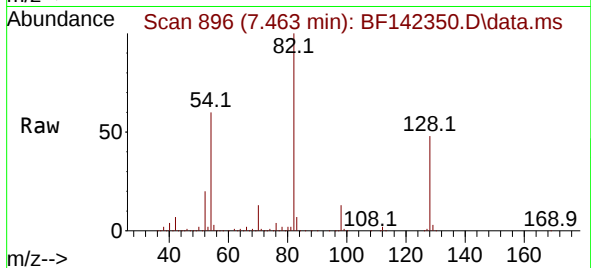




#25
Isophorone
Concen: 25.383 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

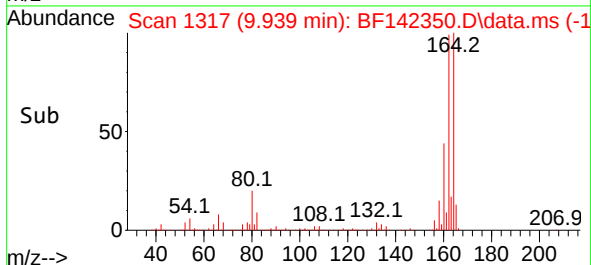
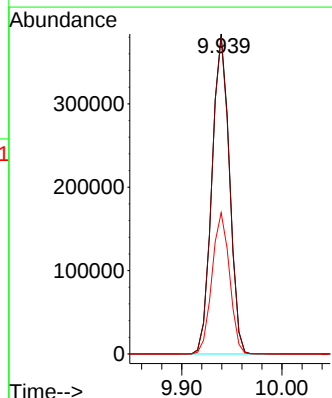
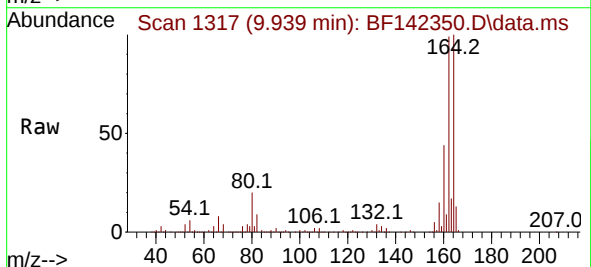
Instrument :
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ClientSampleId :
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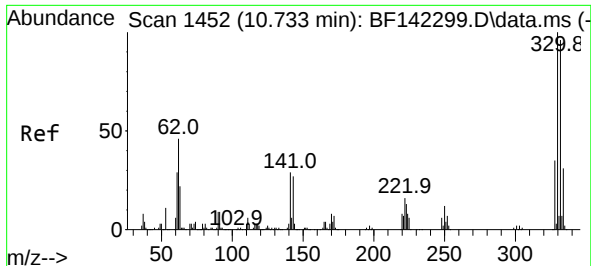
Tgt Ion: 82 Resp: 681510
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion: 164 Resp: 464305
Ion Ratio Lower Upper
164 100
162 99.1 79.2 118.8
160 44.1 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 69.397 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142350.D

Acq: 13 May 2025 18:09

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-14

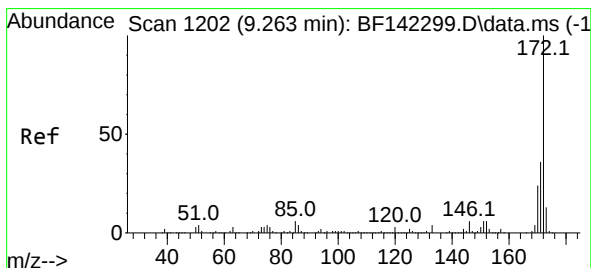
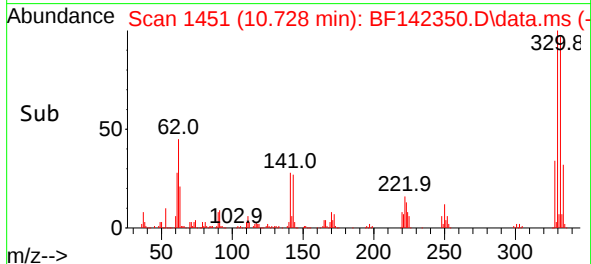
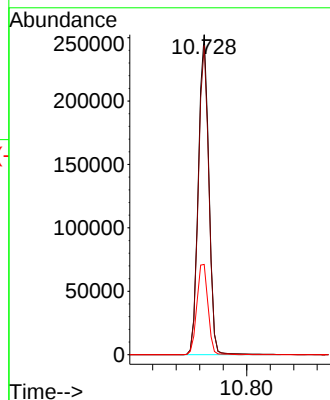
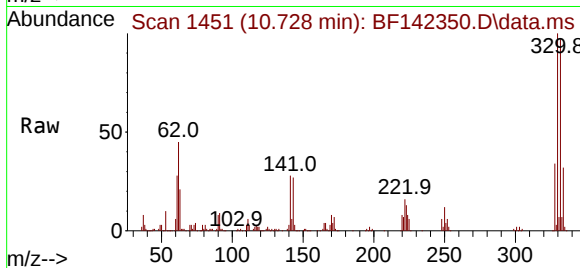
Tgt Ion:330 Resp: 311092

Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

141 29.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 47.282 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142350.D

Acq: 13 May 2025 18:09

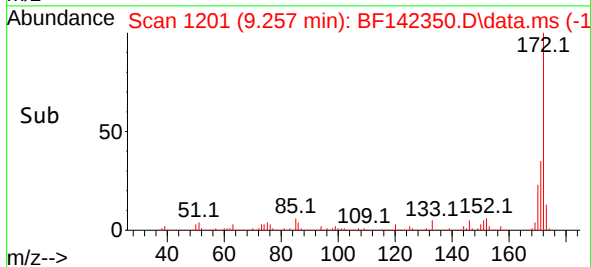
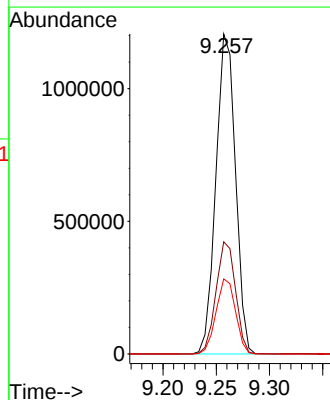
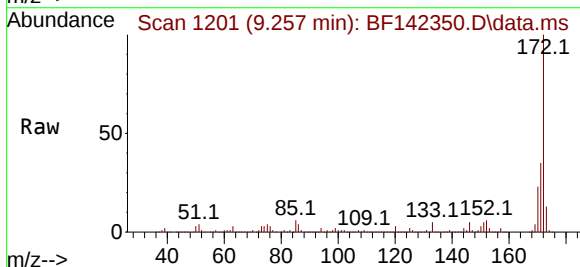
Tgt Ion:172 Resp: 1539630

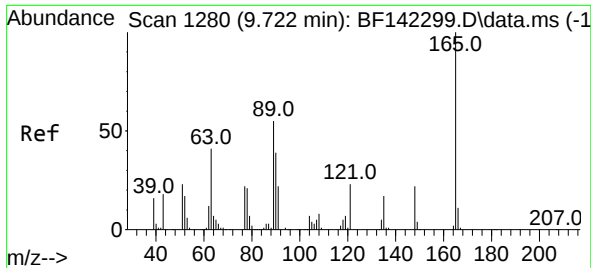
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.4 19.0 28.4

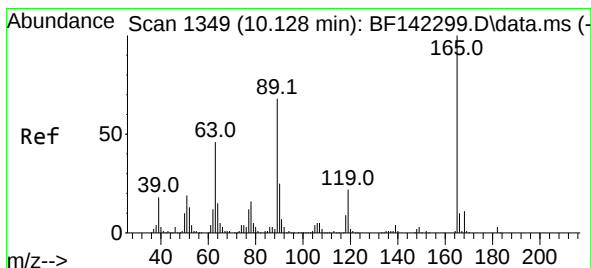
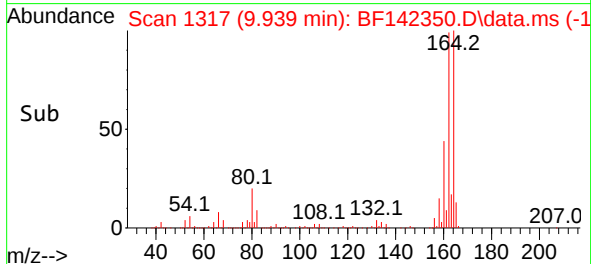
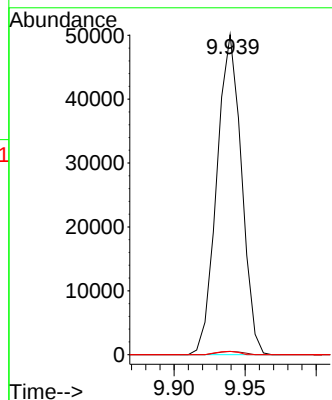
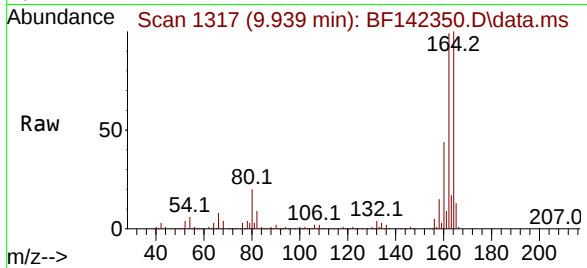




#51
2,6-Dinitrotoluene
Concen: 10.846 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

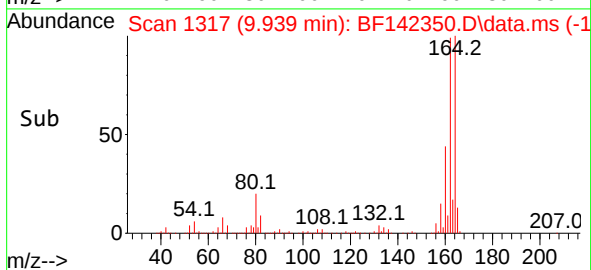
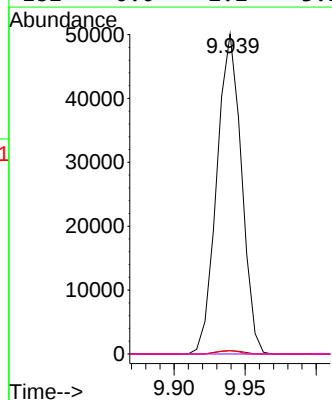
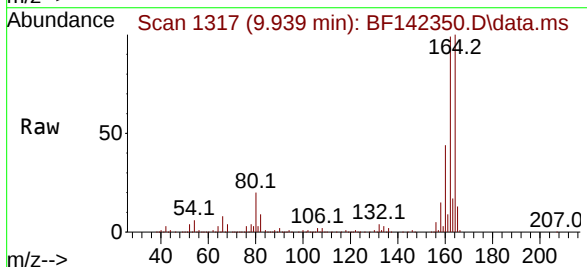
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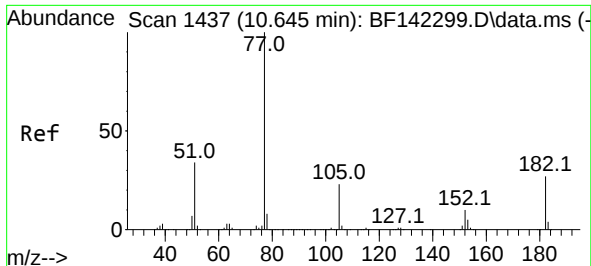
Tgt Ion:165 Resp: 60528
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.455 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion:165 Resp: 60528
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#

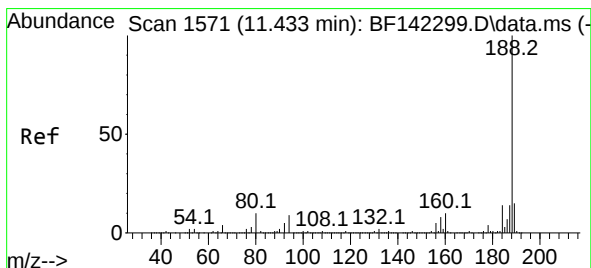
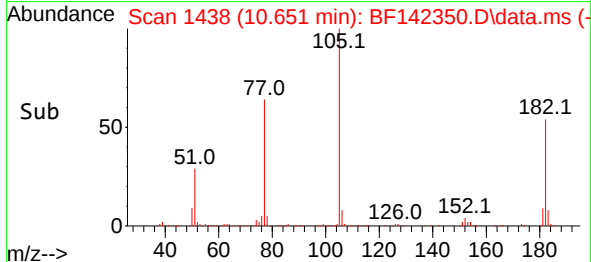
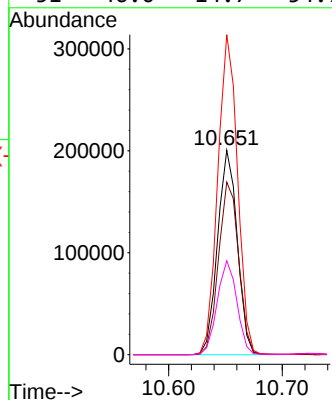
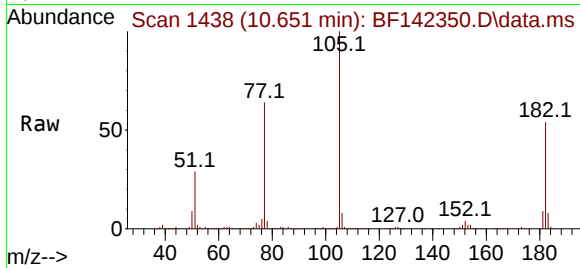




#63
Azobenzene
Concen: 8.512 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

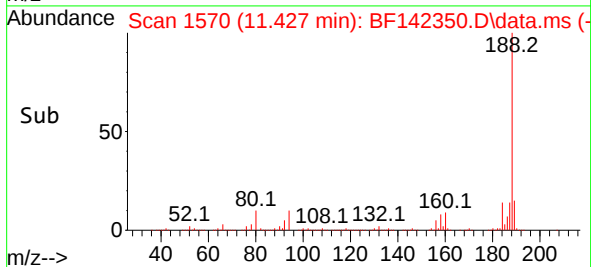
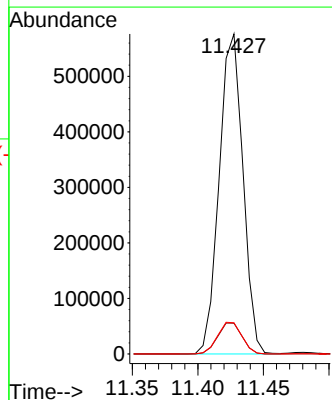
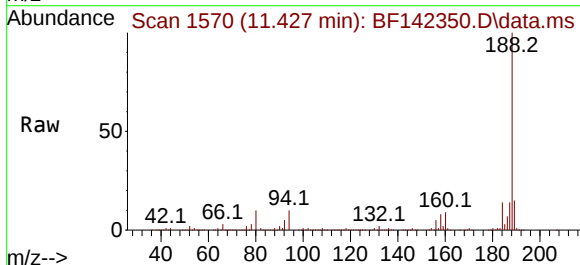
Instrument :
BNA_F
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OR-636-COMP-14

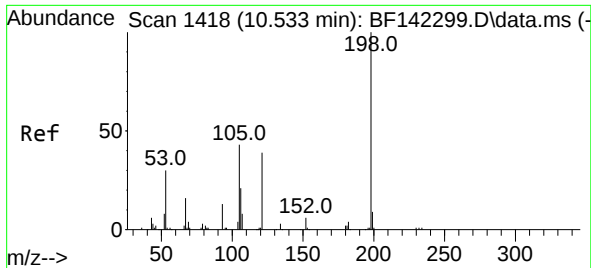
Tgt Ion: 77 Resp: 242186
Ion Ratio Lower Upper
77 100
182 84.4 6.9 46.9#
105 156.5 2.7 42.7#
51 46.0 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion: 188 Resp: 725574
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.8 7.9 11.9

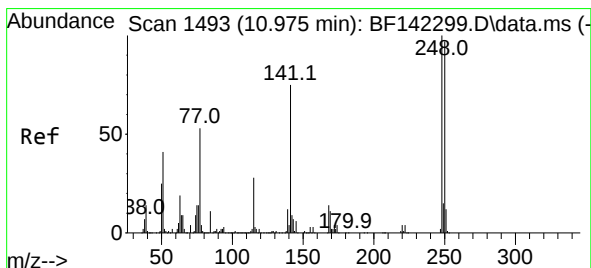
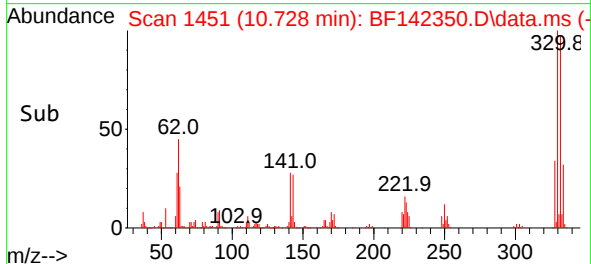
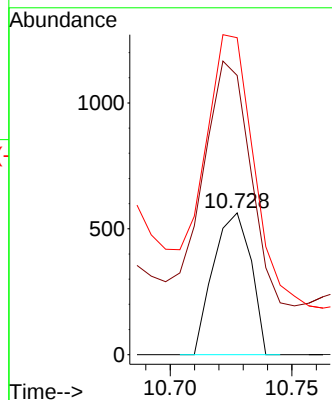
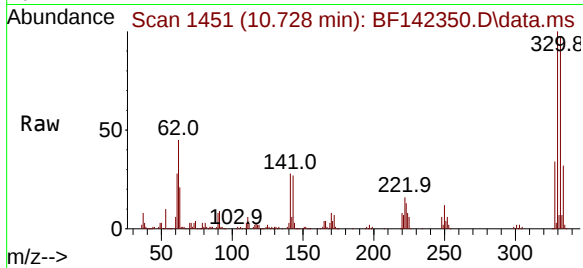




#65
4,6-Dinitro-2-methylphenol
Concen: 7.337 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

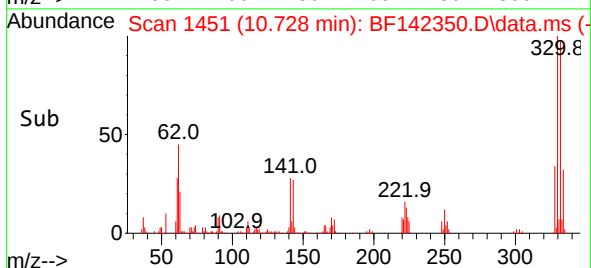
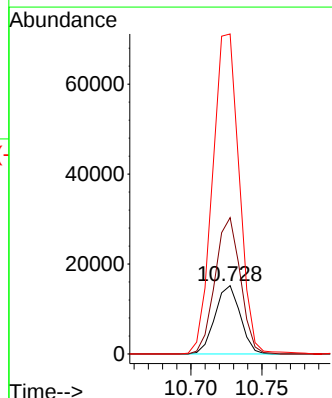
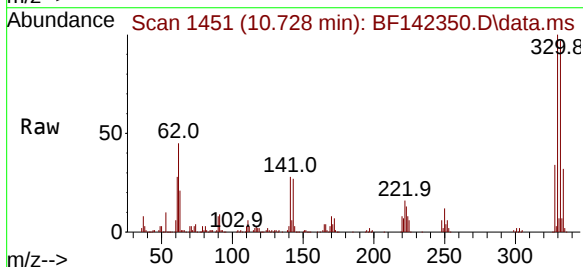
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-14

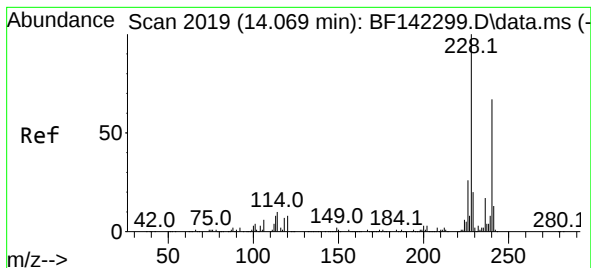
Tgt Ion:198 Resp: 606
Ion Ratio Lower Upper
198 100
51 197.0 32.9 72.9#
105 223.6 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.283 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion:248 Resp: 18772
Ion Ratio Lower Upper
248 100
250 199.4 77.9 116.9#
141 468.2 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: BF142350.D

Acq: 13 May 2025 18:09

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-14

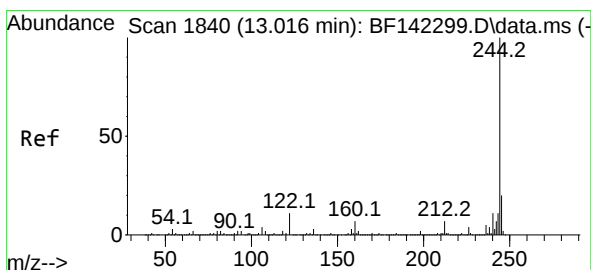
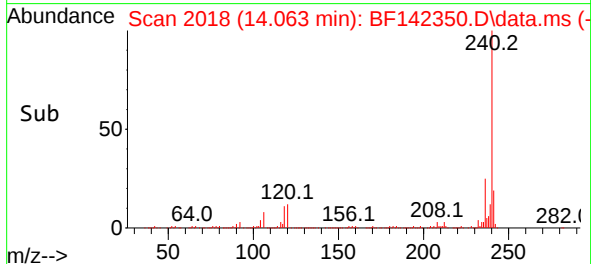
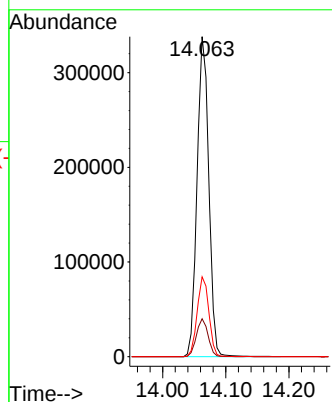
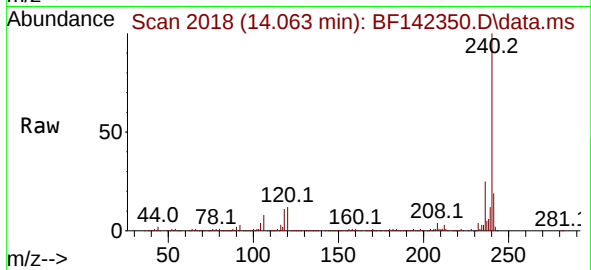
Tgt Ion:240 Resp: 434210

Ion Ratio Lower Upper

240 100

120 11.9 9.7 14.5

236 24.9 20.0 30.0



#79

Terphenyl-d14

Concen: 43.166 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142350.D

Acq: 13 May 2025 18:09

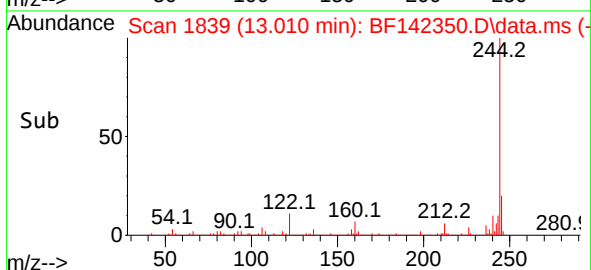
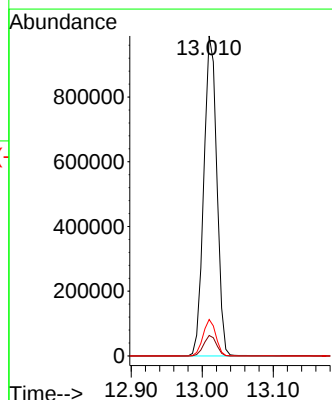
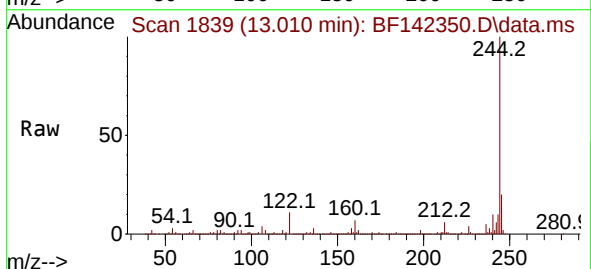
Tgt Ion:244 Resp: 1266338

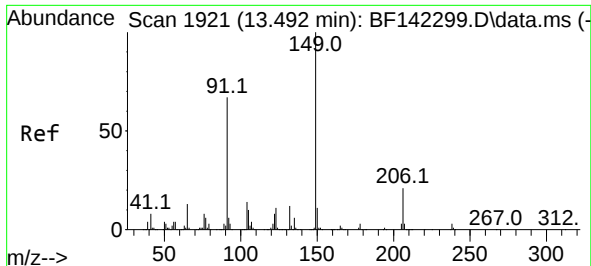
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 11.4 9.0 13.4

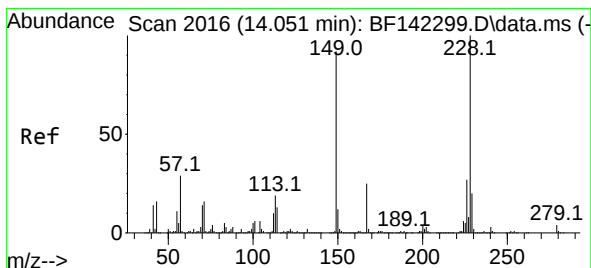
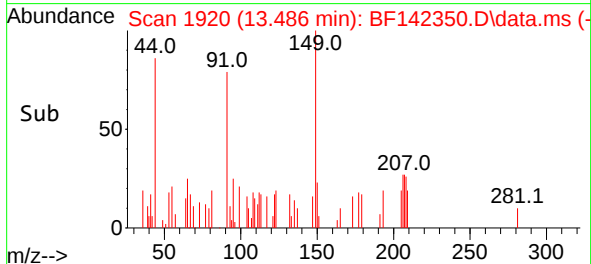
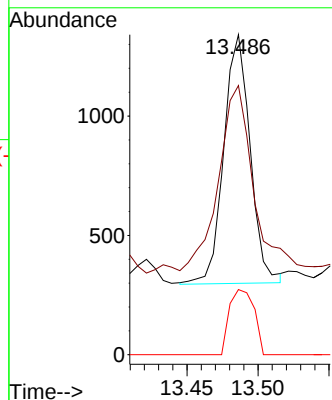
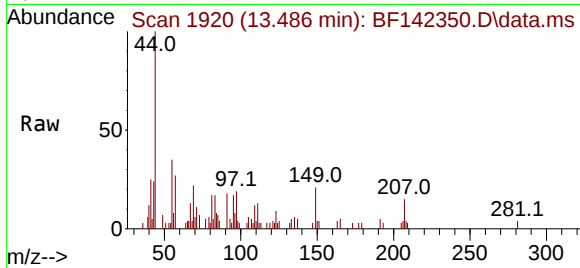




#80
Butylbenzylphthalate
Concen: 3.770 ng
RT: 13.486 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

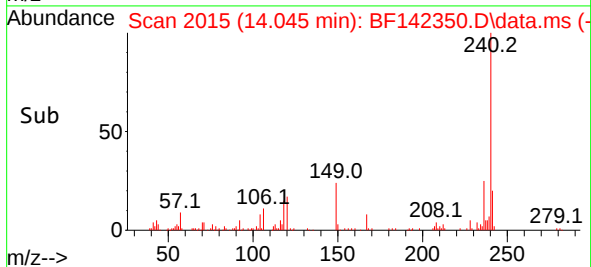
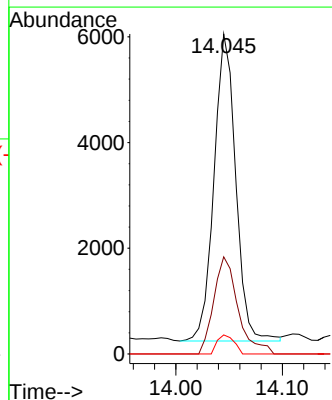
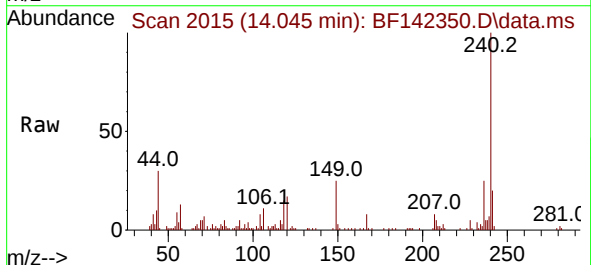
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-14

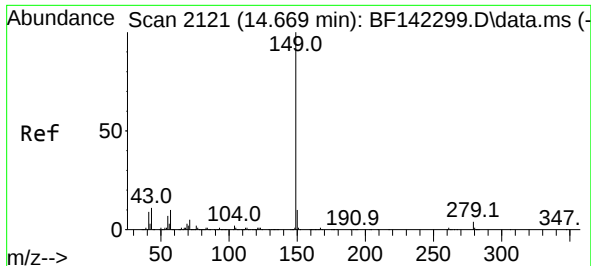
Tgt Ion:149 Resp: 1347
Ion Ratio Lower Upper
149 100
91 84.1 53.8 80.6#
206 20.4 16.6 24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.747 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion:149 Resp: 8221
Ion Ratio Lower Upper
149 100
167 30.4 22.0 33.0
279 5.9 3.0 4.6#

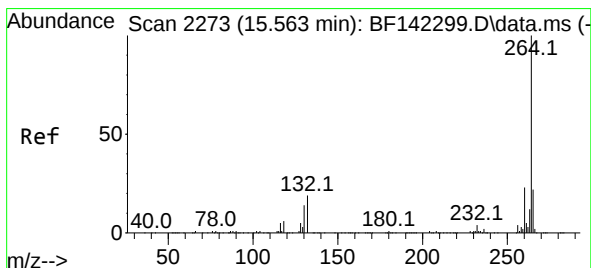
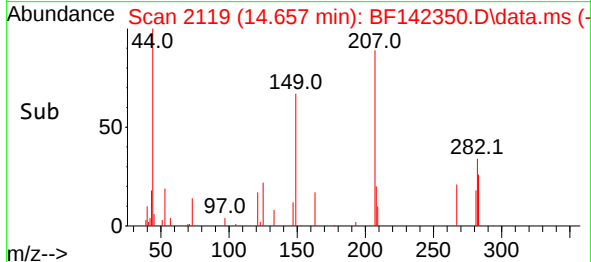
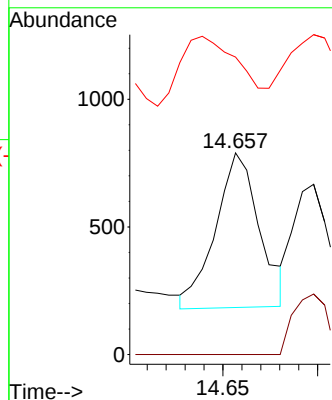
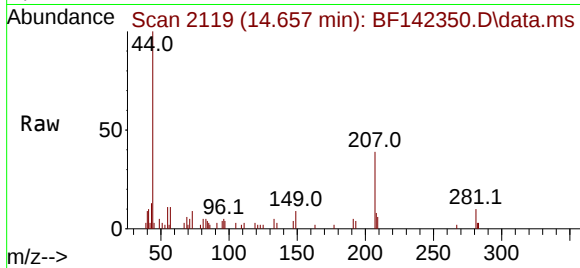




#85
Di-n-octyl phthalate
Concen: 7.871 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142350.D
Acq: 13 May 2025 18:09

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-14

Tgt Ion:149 Resp: 973
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 67.8 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: BF142350.D
Acq: 13 May 2025 18:09

Tgt Ion:264 Resp: 479635
Ion Ratio Lower Upper
264 100
260 22.9 18.6 27.8
265 21.2 17.5 26.3

