

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142327.D
 Acq On : 12 May 2025 18:37
 Operator : RC/JU
 Sample : Q2007-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-12

Quant Time: May 13 01:04:13 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)

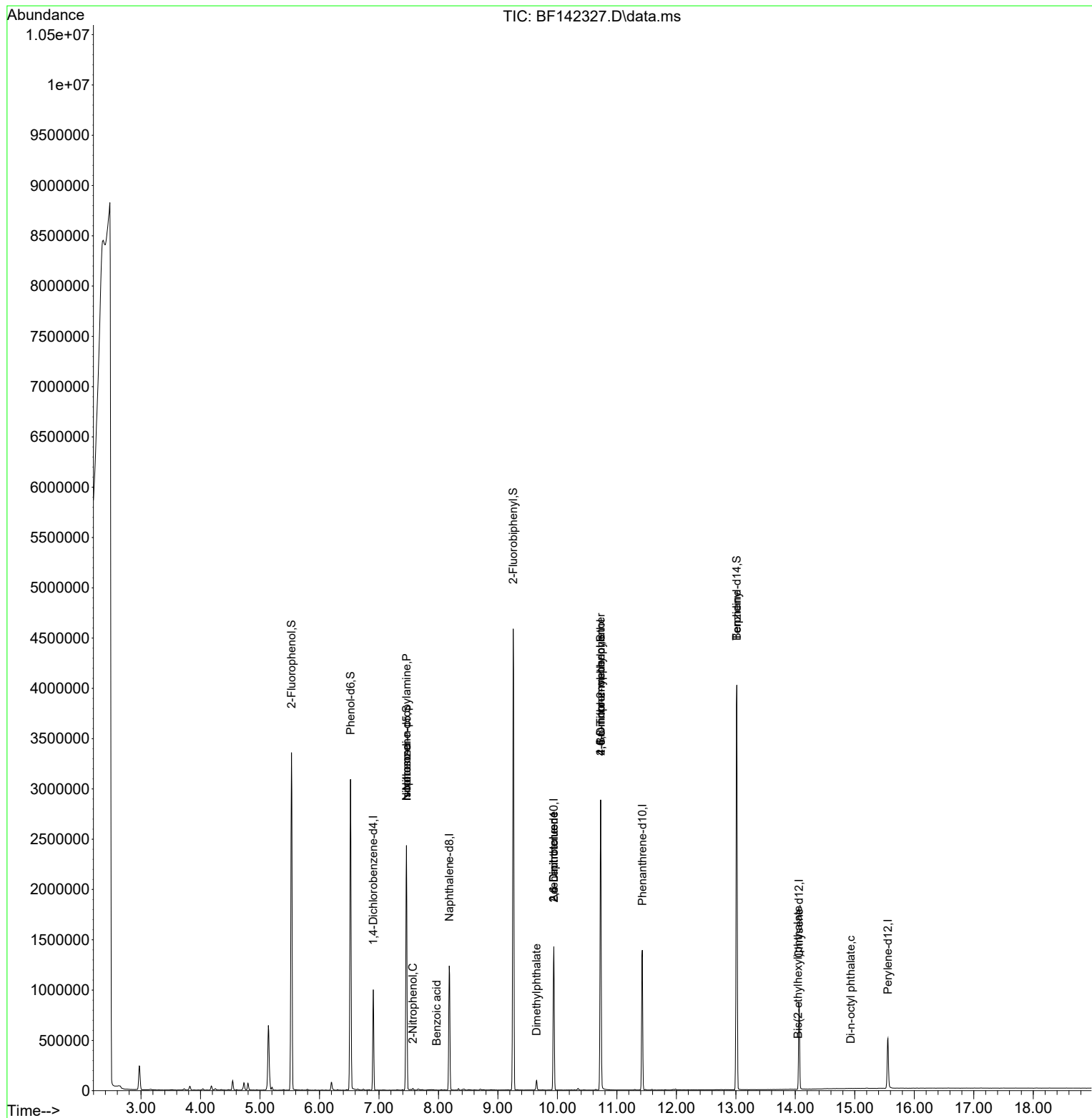
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	208649	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	794819	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	425225	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	722706	20.000	ng	0.00
76) Chrysene-d12	14.063	240	415510	20.000	ng	0.00
86) Perylene-d12	15.557	264	297203	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1313169	107.438	ng	0.02
7) Phenol-d6	6.522	99	1467064	97.591	ng	0.00
23) Nitrobenzene-d5	7.463	82	1026747	78.783	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	531481	129.457	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2100448	70.433	ng	0.00
79) Terphenyl-d14	13.016	244	2012073	71.673	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	137960	14.836	ng	# 78
25) Isophorone	7.463	82	1022977	41.451	ng	# 62
26) 2-Nitrophenol	7.569	139	68	4.098	ng	# 36
32) Benzoic acid	7.969	122	114	6.032	ng	# 1
50) Dimethylphthalate	9.651	163	56007	2.051	ng	# 99
51) 2,6-Dinitrotoluene	9.939	165	54807	10.723	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	54807	8.360	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.728	198	1012	7.440	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	31614	3.860	ng	# 1
77) Benzidine	13.016	184	24237	3.210	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.045	149	444	4.266	ng	# 73
85) Di-n-octyl phthalate	14.933	149	123	7.844	ng	# 73

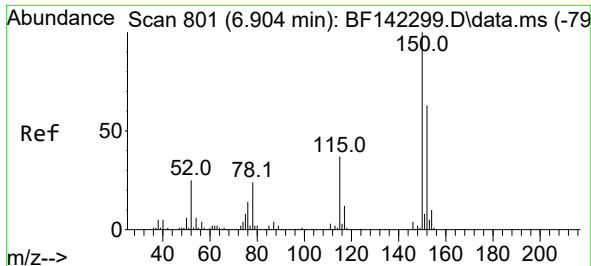
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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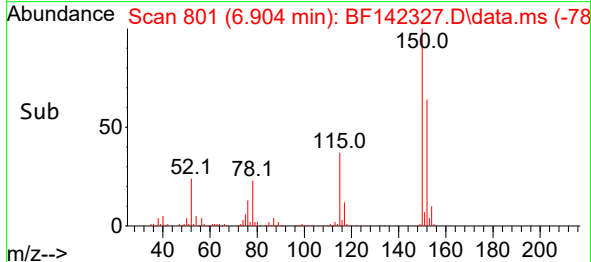
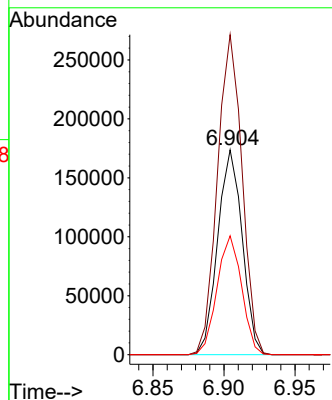
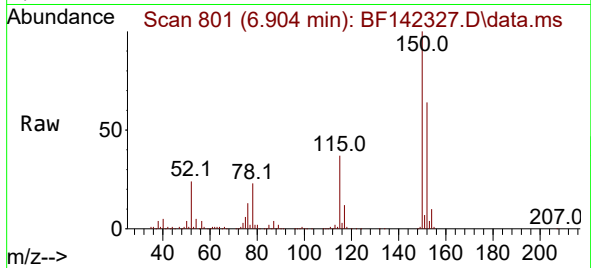




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142327.D
 Acq: 12 May 2025 18:37

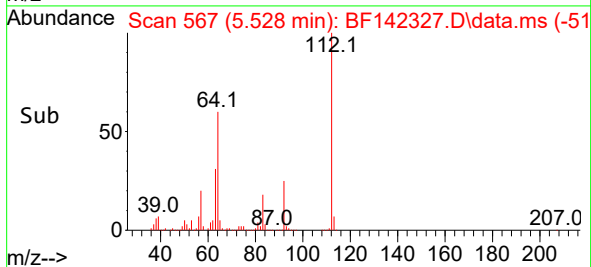
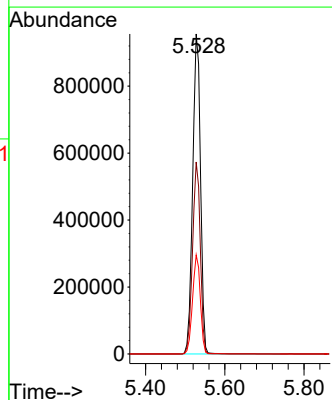
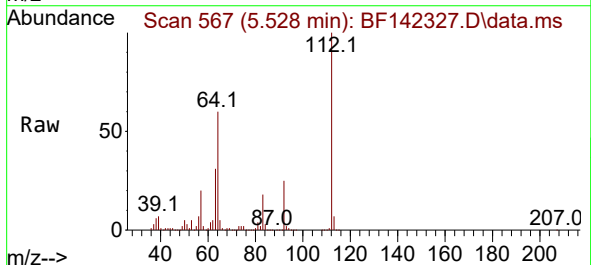
Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-12

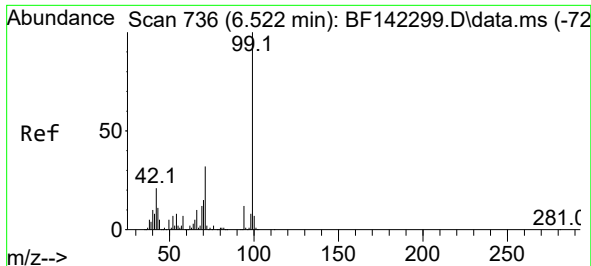
Tgt Ion:152 Resp: 208649
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.6 190.0
 115 58.0 47.3 70.9



#5
 2-Fluorophenol
 Concen: 107.438 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.018 min
 Lab File: BF142327.D
 Acq: 12 May 2025 18:37

Tgt Ion:112 Resp: 1313169
 Ion Ratio Lower Upper
 112 100
 64 60.0 48.9 73.3
 63 31.0 25.6 38.4

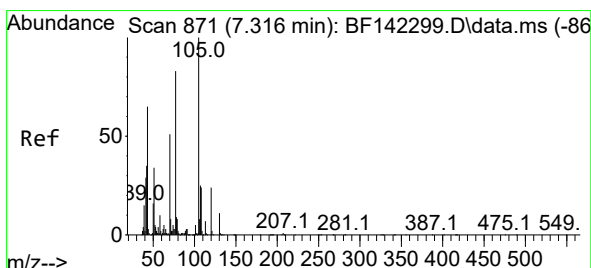
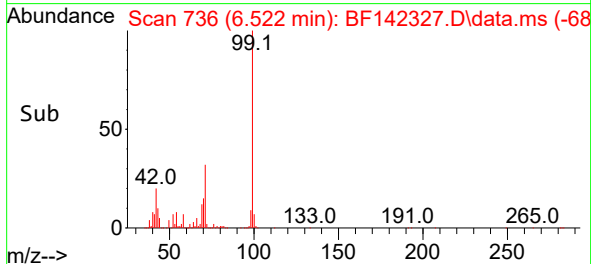
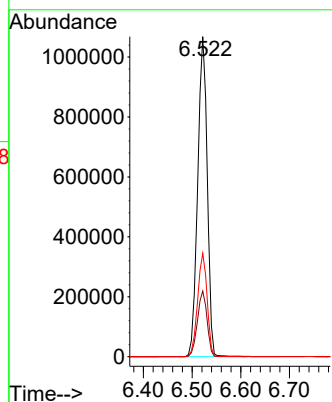
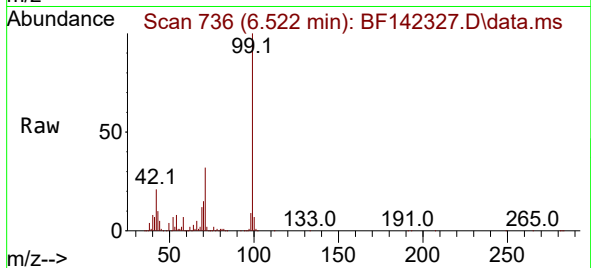




#7
Phenol-d6
Concen: 97.591 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

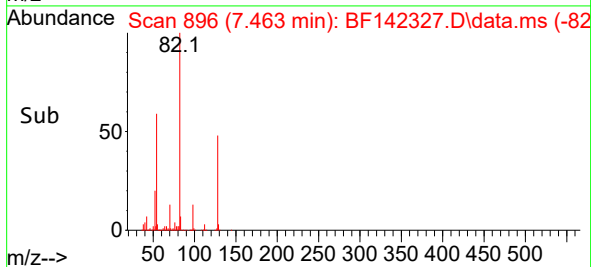
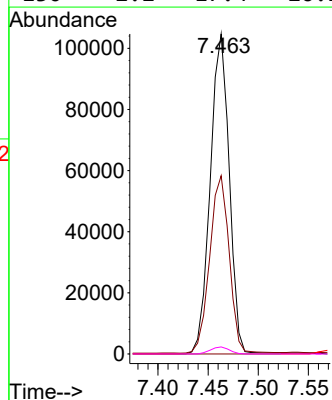
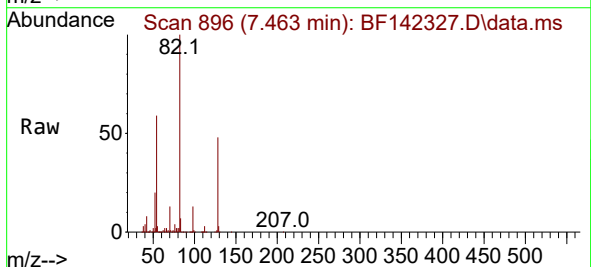
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

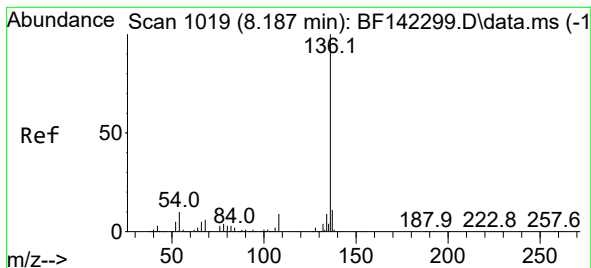
Tgt Ion: 99 Resp: 1467064
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.4
71 32.3 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.836 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Tgt Ion: 70 Resp: 137960
Ion Ratio Lower Upper
70 100
42 55.7 54.8 82.2
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142327.D

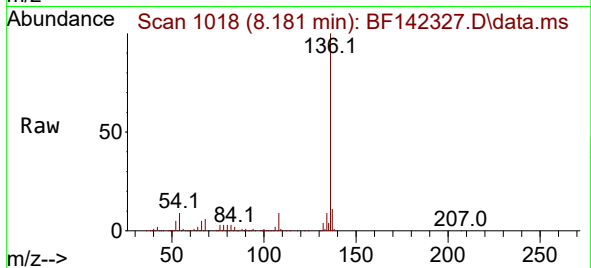
Acq: 12 May 2025 18:37

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12



Tgt Ion:136 Resp: 794819

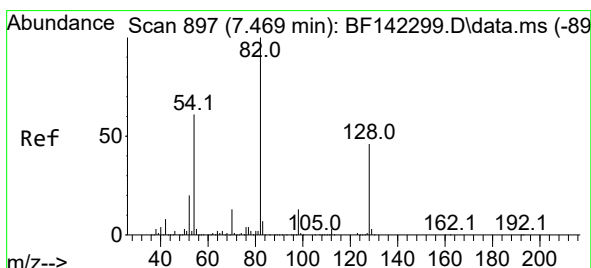
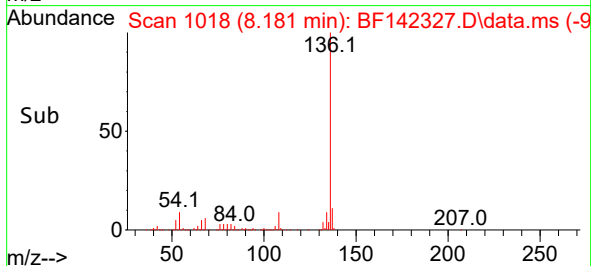
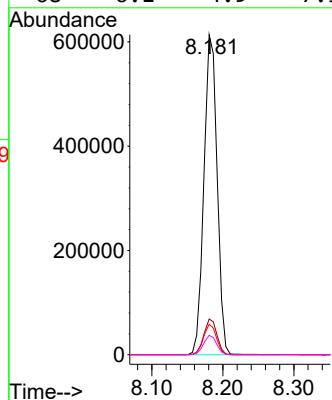
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.5 7.7 11.5

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 78.783 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142327.D

Acq: 12 May 2025 18:37

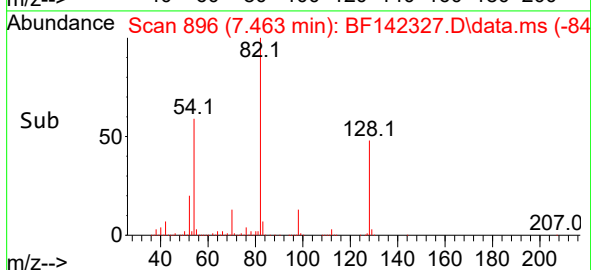
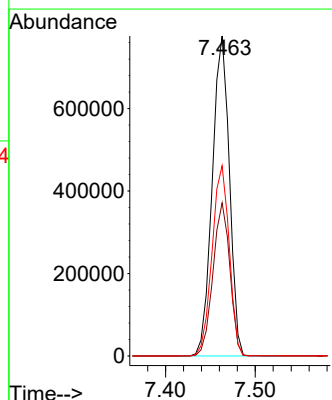
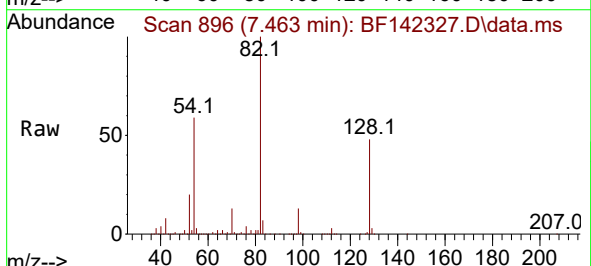
Tgt Ion: 82 Resp: 1026747

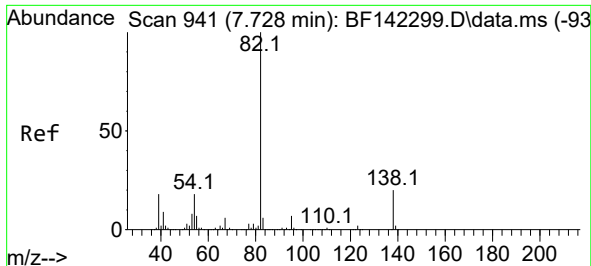
Ion Ratio Lower Upper

82 100

128 47.8 37.0 55.6

54 59.5 48.6 73.0

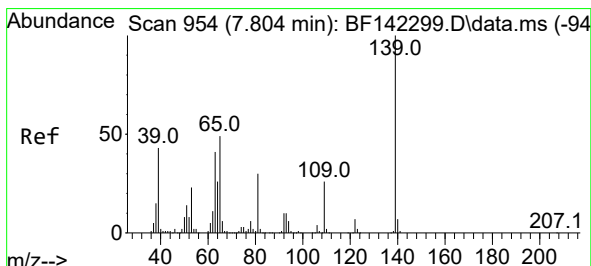
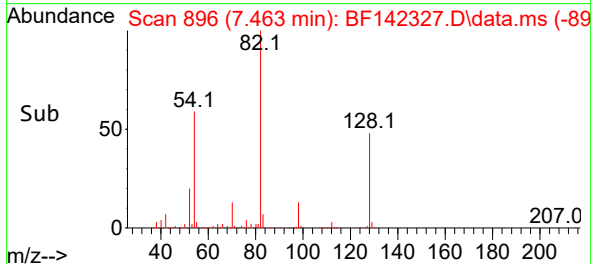
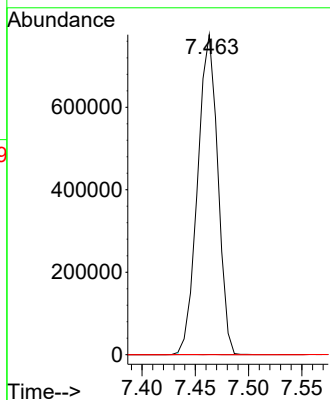
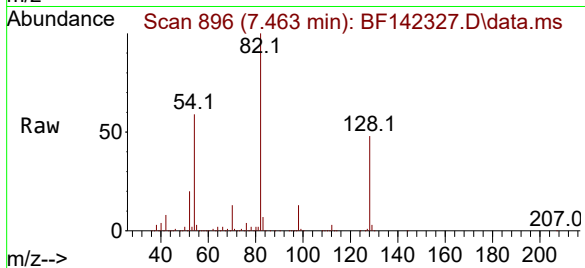




#25
Isophorone
Concen: 41.451 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

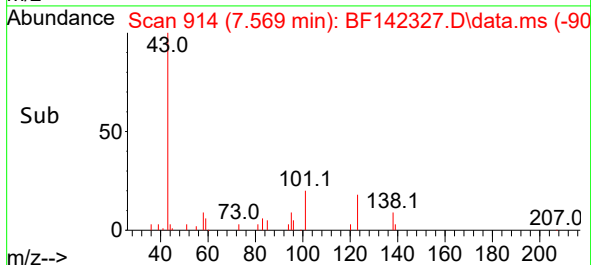
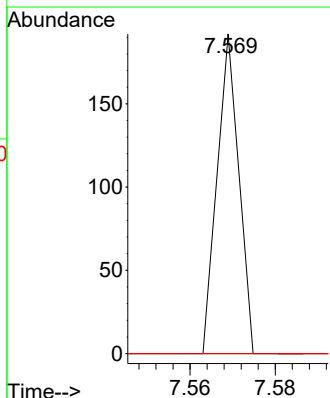
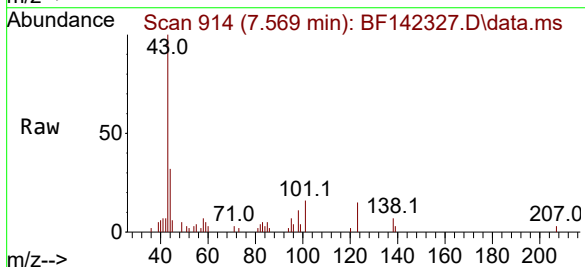
Instrument :
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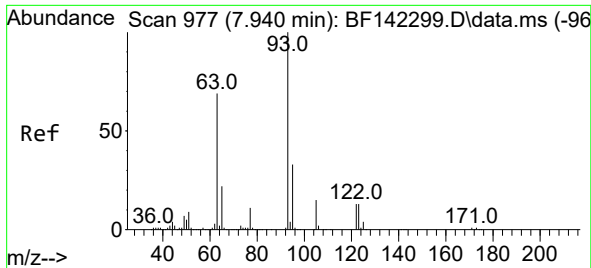
Tgt Ion: 82 Resp: 1022977
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.098 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Tgt Ion:139 Resp: 68
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

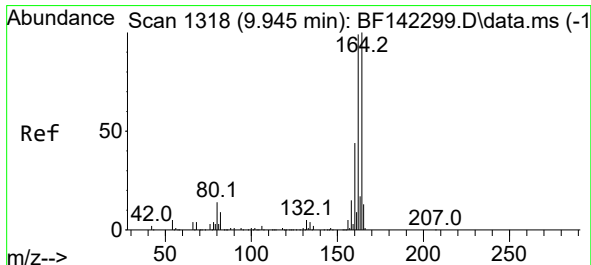
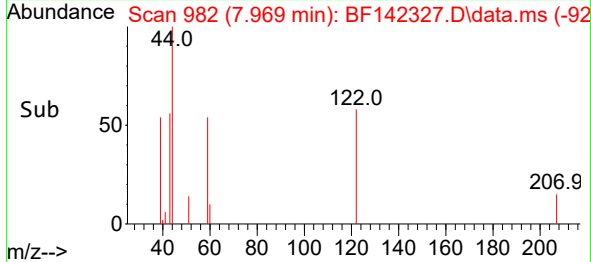
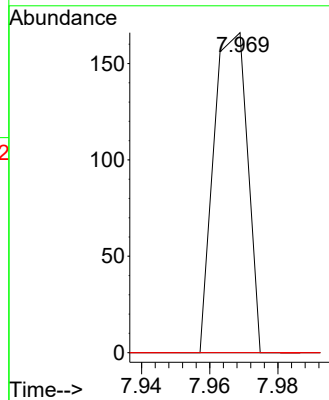
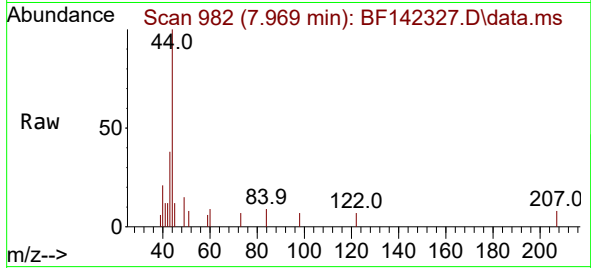




#32
Benzoic acid
Concen: 6.032 ng
RT: 7.969 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

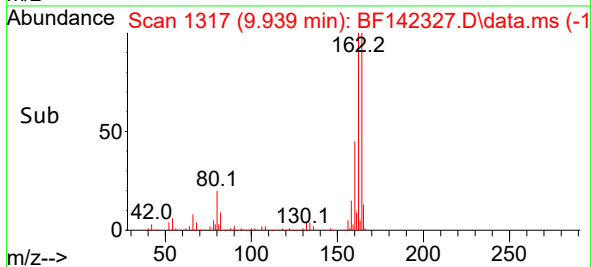
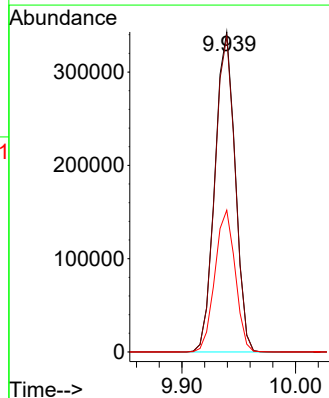
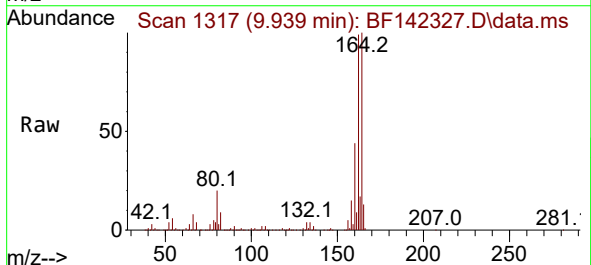
Instrument :
BNA_F
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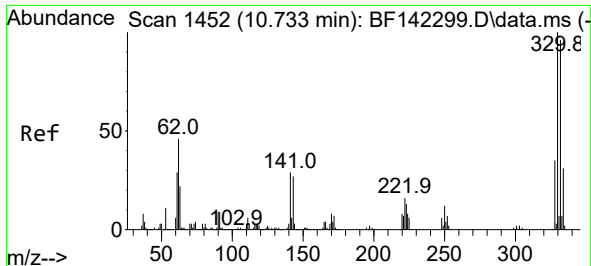
Tgt Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 0.0 97.9 137.9#
77 0.0 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Tgt Ion:164 Resp: 425225
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 44.3 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 129.457 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142327.D

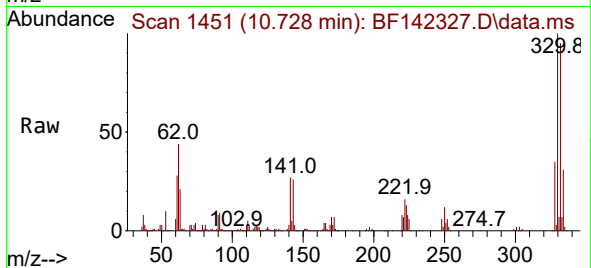
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Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12



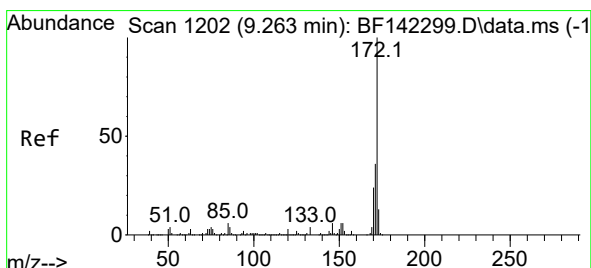
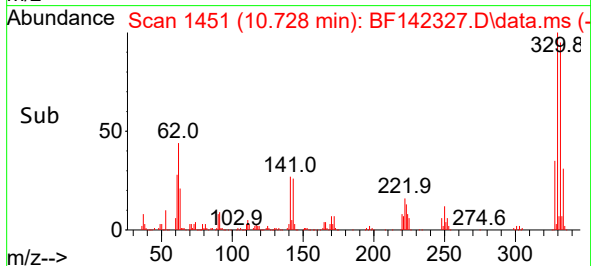
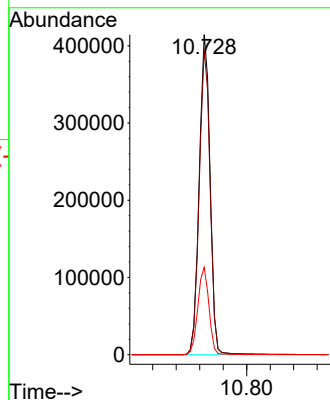
Tgt Ion:330 Resp: 531481

Ion Ratio Lower Upper

330 100

332 95.7 76.8 115.2

141 27.8 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 70.433 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142327.D

Acq: 12 May 2025 18:37

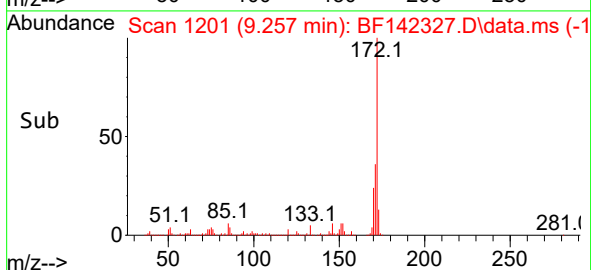
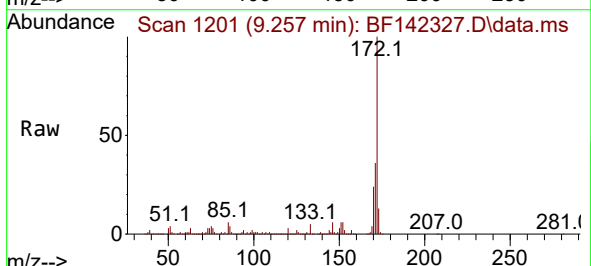
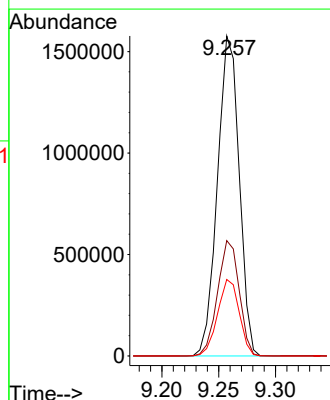
Tgt Ion:172 Resp: 2100448

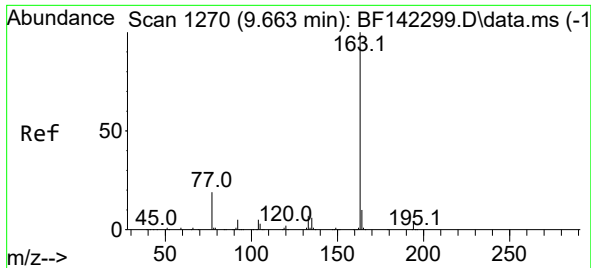
Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

170 23.9 19.0 28.4

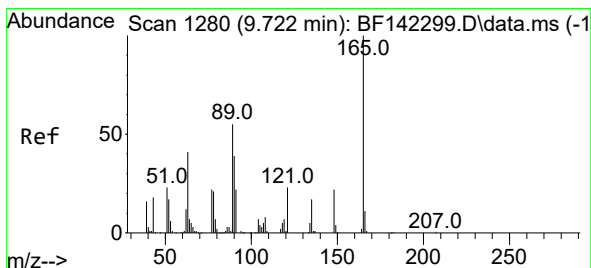
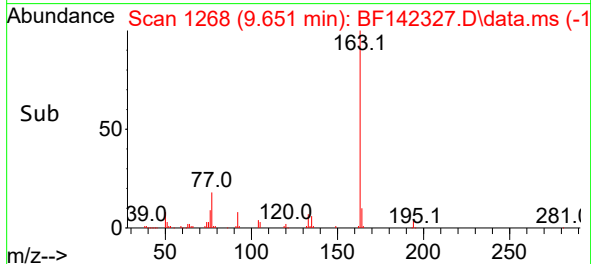
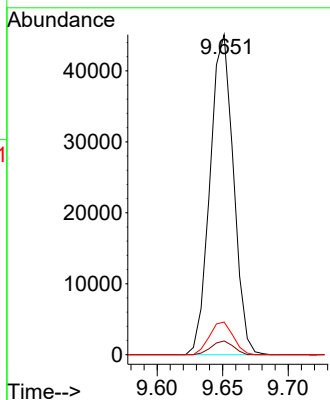
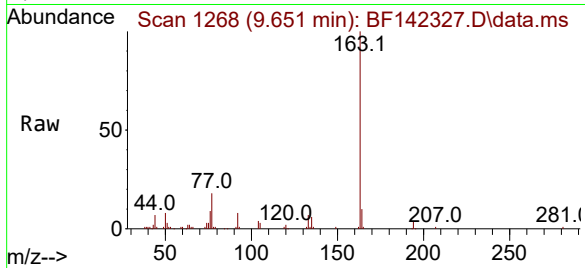




#50
Dimethylphthalate
Concen: 2.051 ng
RT: 9.651 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

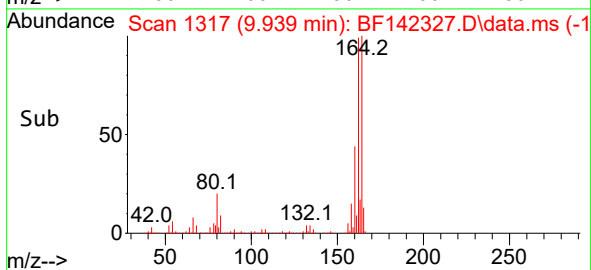
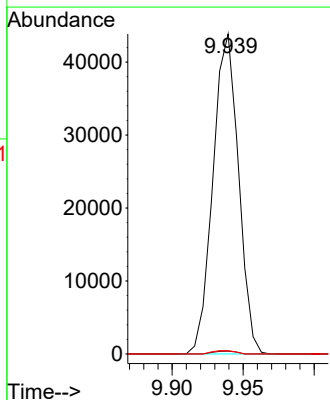
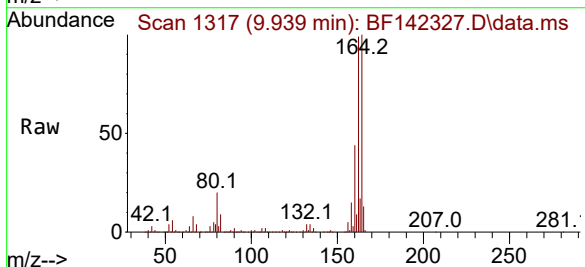
Instrument :
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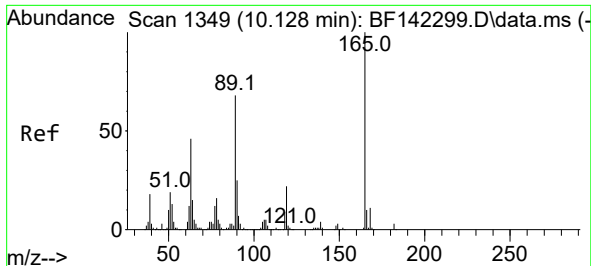
Tgt Ion:163 Resp: 56007
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 10.2 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 10.723 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

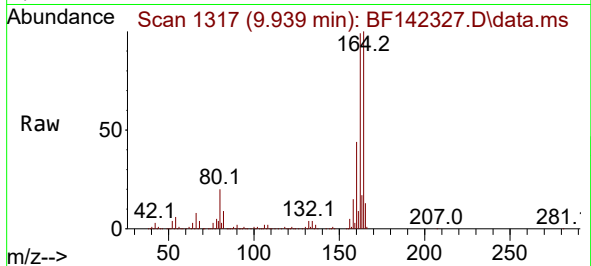
Tgt Ion:165 Resp: 54807
Ion Ratio Lower Upper
165 100
63 0.8 49.5 74.3#
89 1.0 44.6 66.8#



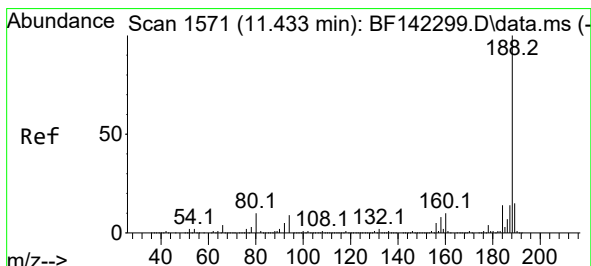
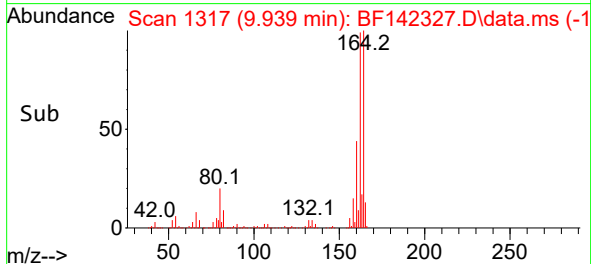
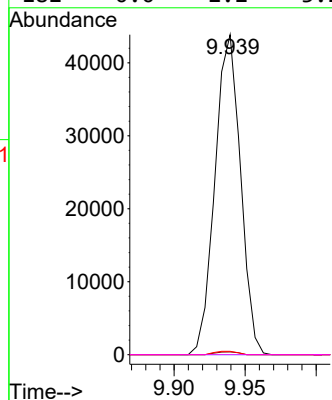


#57
2,4-Dinitrotoluene
Concen: 8.360 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

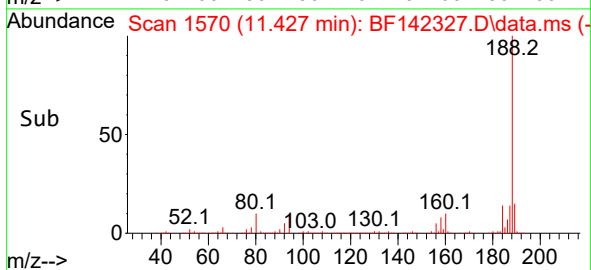
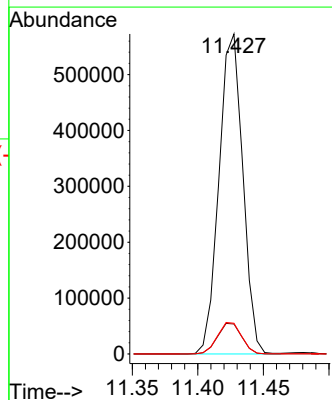
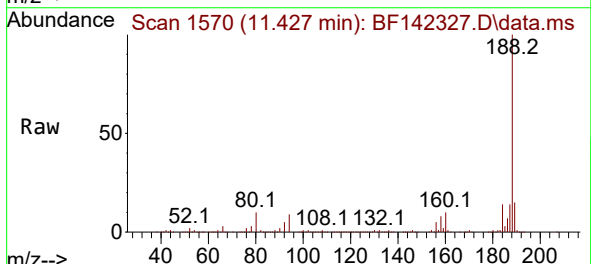


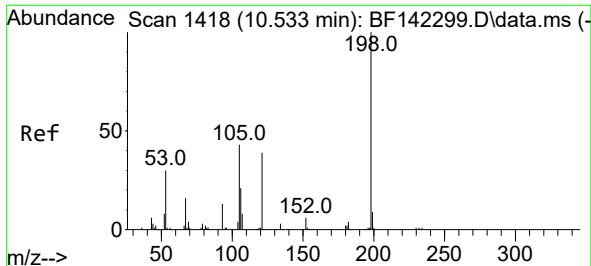
Tgt Ion:165 Resp: 54807
Ion Ratio Lower Upper
165 100
63 0.8 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Tgt Ion:188 Resp: 722706
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.6 7.9 11.9

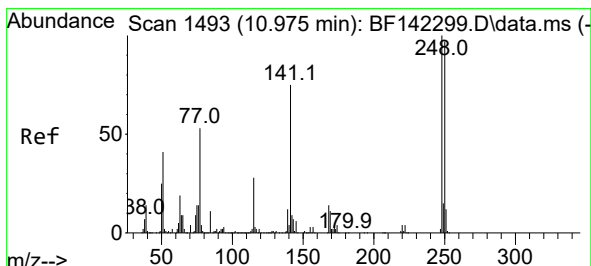
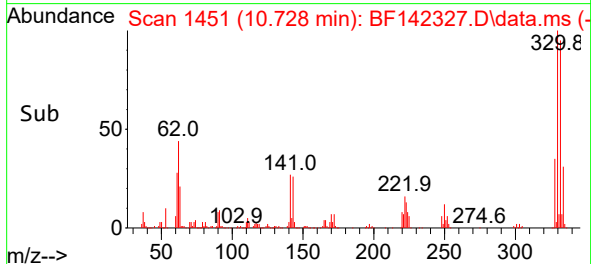
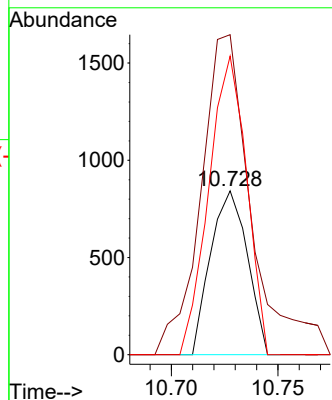
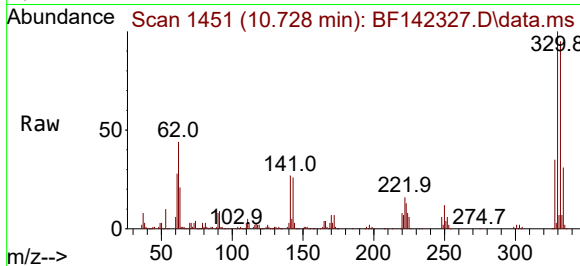




#65
4,6-Dinitro-2-methylphenol
Concen: 7.440 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

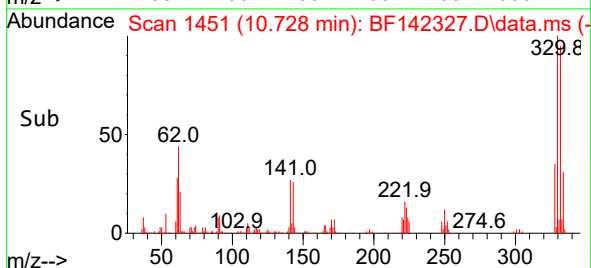
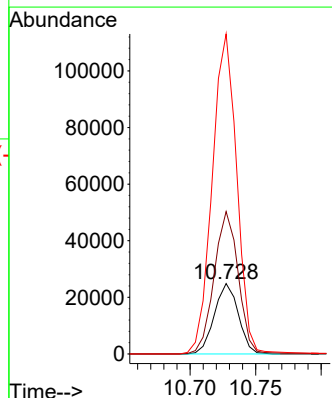
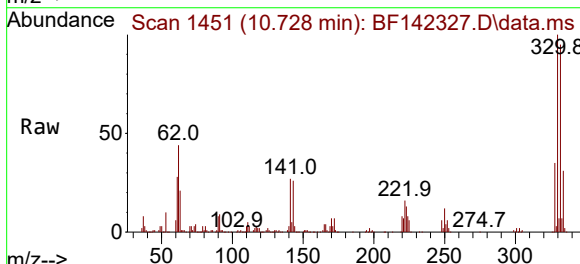
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

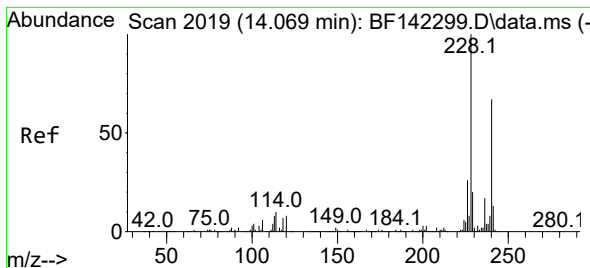
Tgt Ion:198 Resp: 1012
Ion Ratio Lower Upper
198 100
51 195.3 32.9 72.9#
105 182.2 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 3.860 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Tgt Ion:248 Resp: 31614
Ion Ratio Lower Upper
248 100
250 202.2 77.9 116.9#
141 454.4 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: BF142327.D

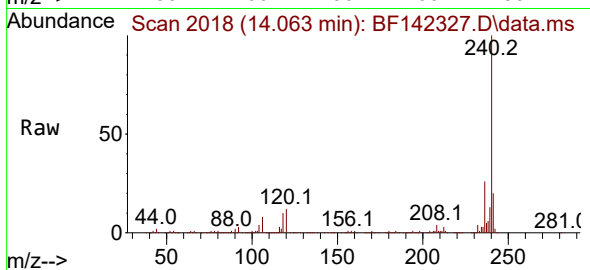
Acq: 12 May 2025 18:37

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12



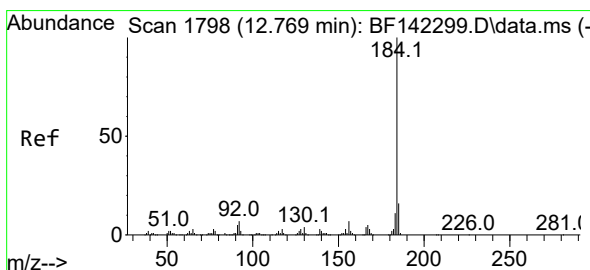
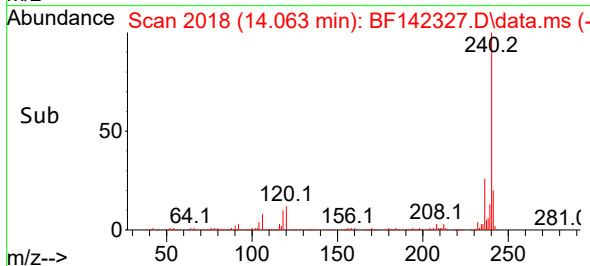
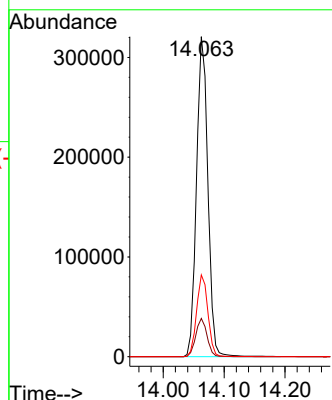
Tgt Ion:240 Resp: 415510

Ion Ratio Lower Upper

240 100

120 12.0 9.7 14.5

236 25.6 20.0 30.0



#77

Benzidine

Concen: 3.210 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142327.D

Acq: 12 May 2025 18:37

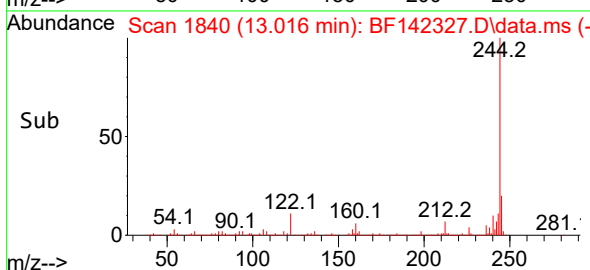
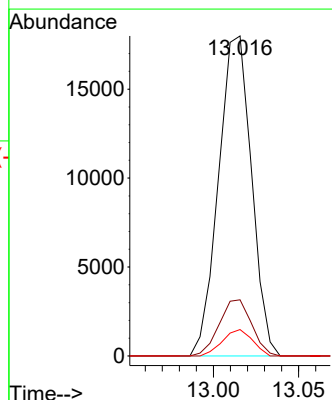
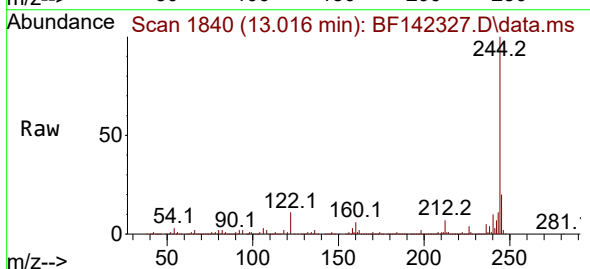
Tgt Ion:184 Resp: 24237

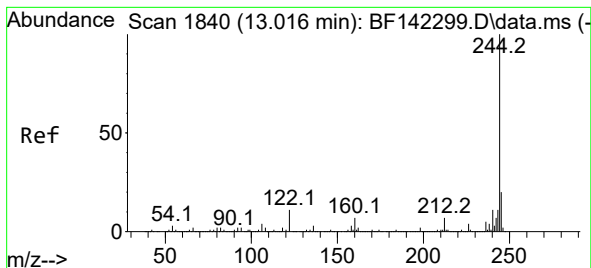
Ion Ratio Lower Upper

184 100

185 17.5 12.6 18.8

183 8.2 8.6 12.8#





#79

Terphenyl-d14

Concen: 71.673 ng

RT: 13.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142327.D

Acq: 12 May 2025 18:37

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12

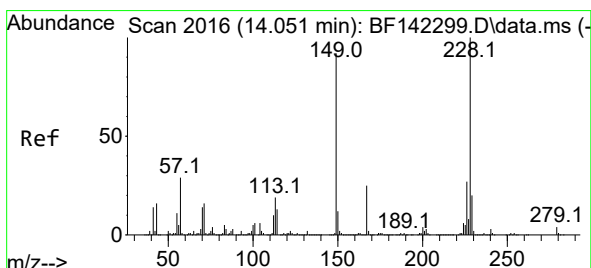
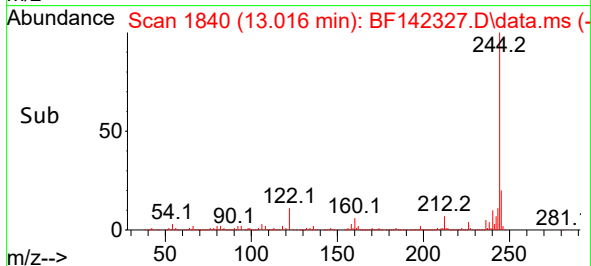
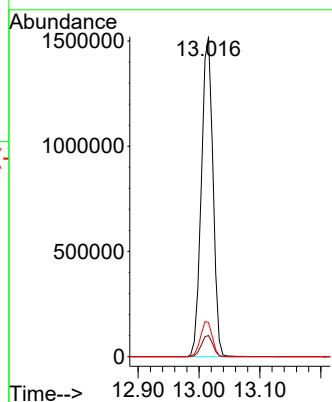
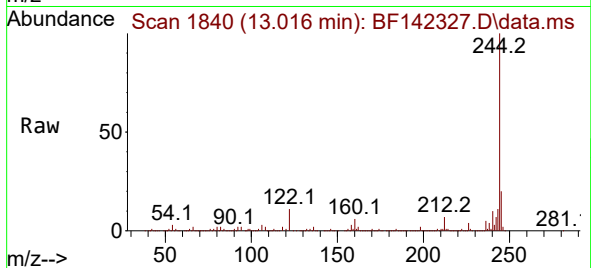
Tgt Ion:244 Resp: 2012073

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.7 9.0 13.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.266 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142327.D

Acq: 12 May 2025 18:37

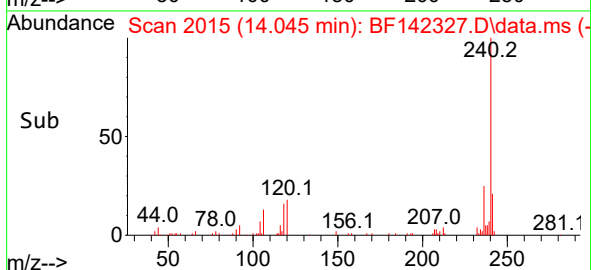
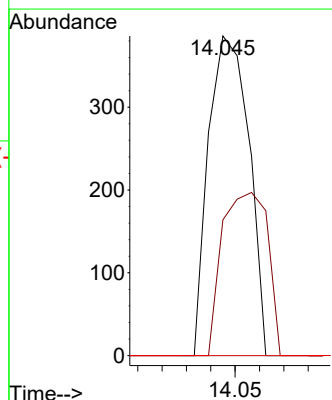
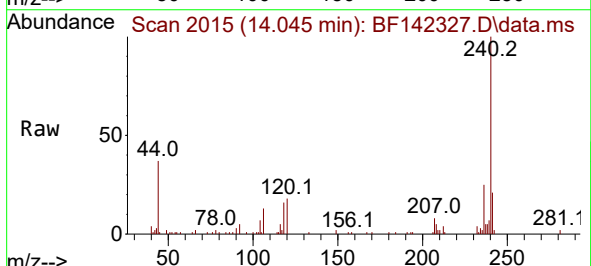
Tgt Ion:149 Resp: 444

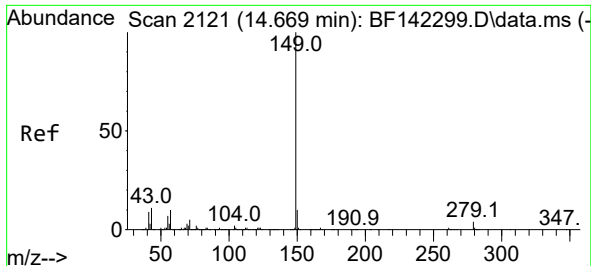
Ion Ratio Lower Upper

149 100

167 42.5 22.0 33.0#

279 0.0 3.0 4.6#

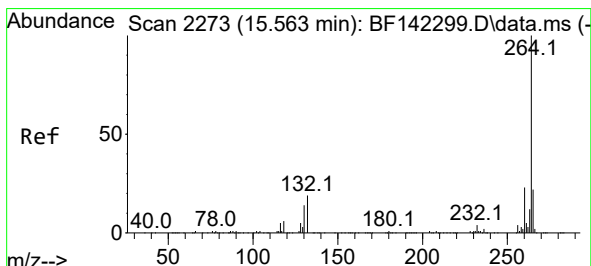
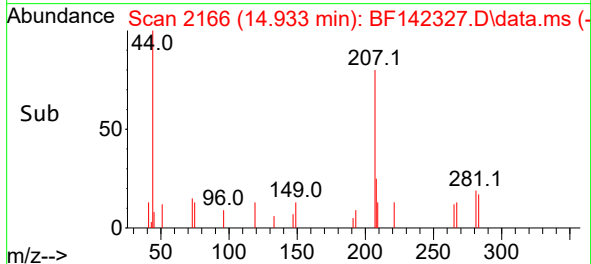
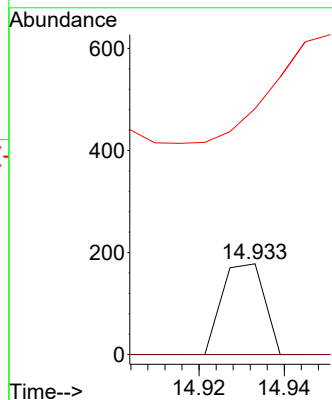
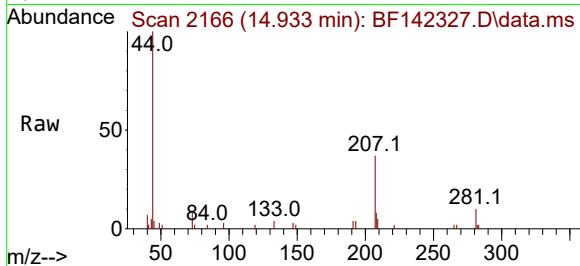




#85
Di-n-octyl phthalate
Concen: 7.844 ng
RT: 14.933 min Scan# 2121
Delta R.T. 0.264 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

Tgt Ion:149 Resp: 123
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# 2272
Delta R.T. -0.006 min
Lab File: BF142327.D
Acq: 12 May 2025 18:37

Tgt Ion:264 Resp: 297203
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.4 17.5 26.3

