

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142322.D
 Acq On : 12 May 2025 16:11
 Operator : RC/JU
 Sample : Q1983-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-01

Quant Time: May 12 16:38:47 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)

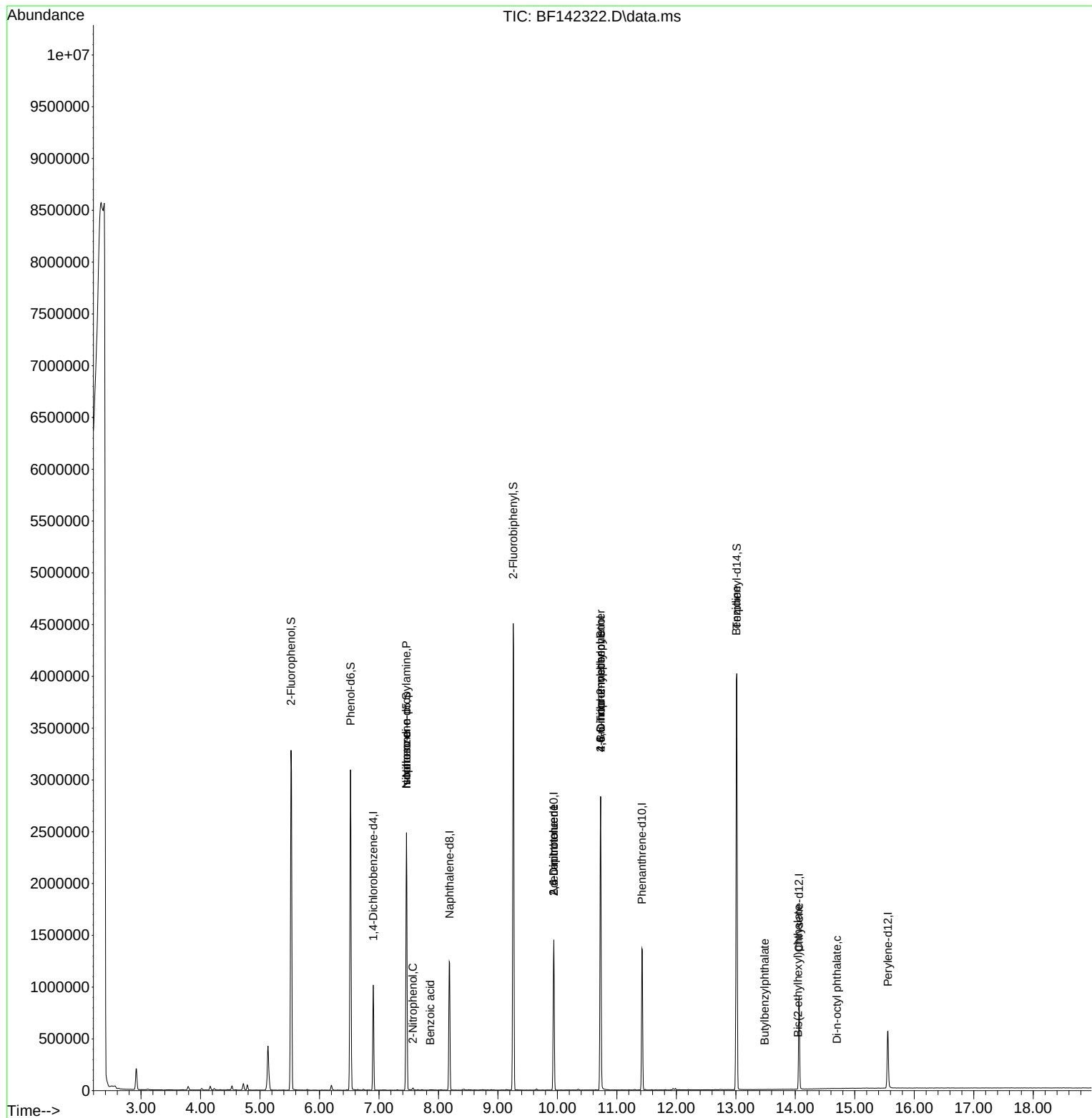
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	210332	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	797151	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	422840	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	721453	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	427752	20.000	ng	0.00
86) Perylene-d12	15.557	264	336875	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1309448	106.276	ng	0.01
7) Phenol-d6	6.522	99	1476315	97.420	ng	0.00
23) Nitrobenzene-d5	7.463	82	1032363	78.982	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	523378	128.202	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2067901	69.733	ng	0.00
79) Terphenyl-d14	13.015	244	2060023	71.281	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	141177	15.061	ng	# 76
25) Isophorone	7.463	82	1020114	41.214	ng	# 62
26) 2-Nitrophenol	7.569	139	57	4.096	ng	# 36
32) Benzoic acid	7.863	122	1599	6.260	ng	94
51) 2,6-Dinitrotoluene	9.939	165	54484	10.720	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	54484	8.357	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	1009	7.440	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	30895	3.779	ng	# 1
77) Benzidine	13.010	184	25501	3.281	ng	# 96
80) Butylbenzylphthalate	13.486	149	251	3.680	ng	# 80
84) Bis(2-ethylhexyl)phtha...	14.045	149	1005	4.300	ng	# 94
85) Di-n-octyl phthalate	14.698	149	202	7.846	ng	# 1

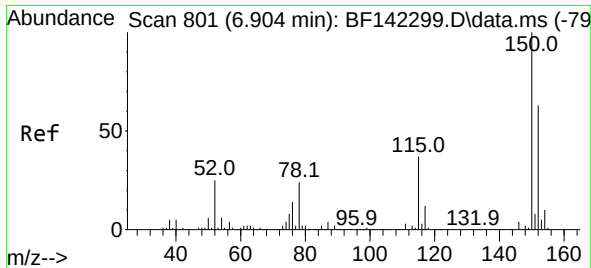
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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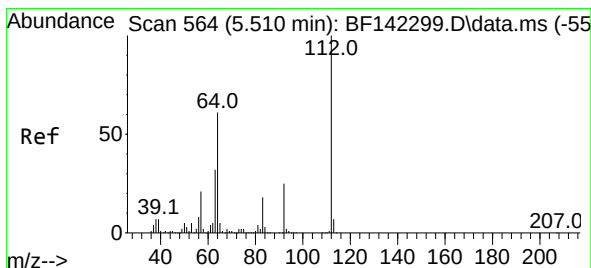
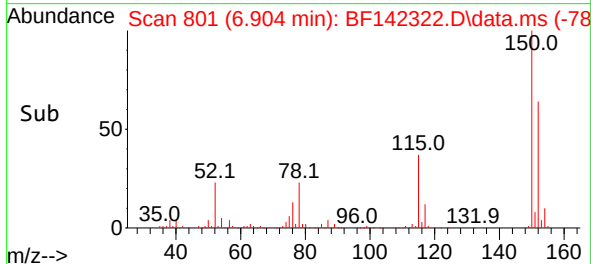
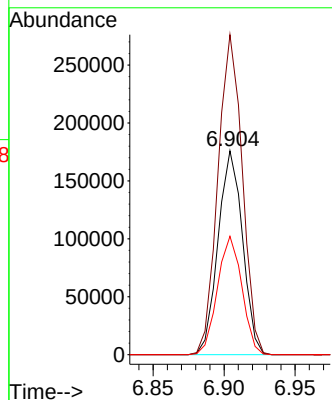
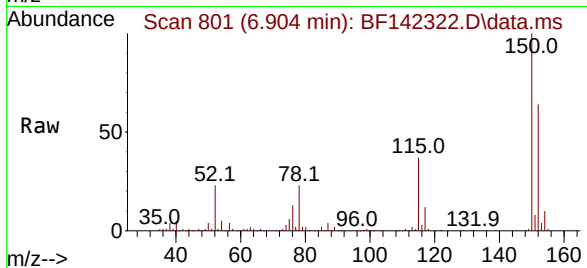




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142322.D
 Acq: 12 May 2025 16:11

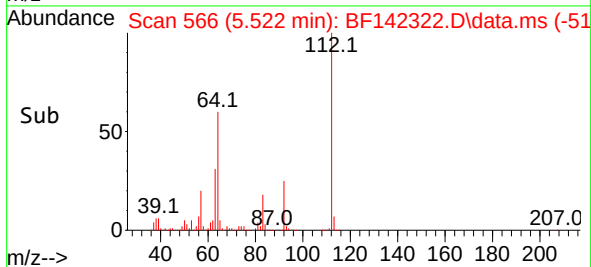
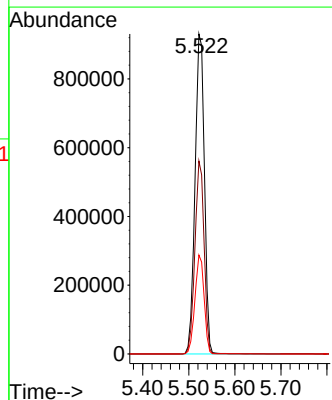
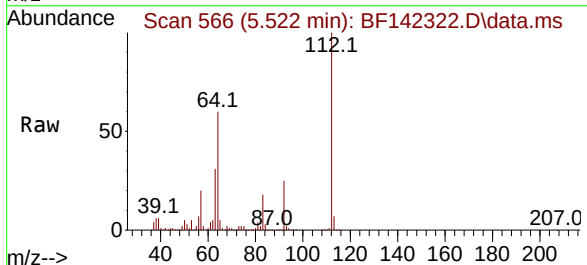
Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-01

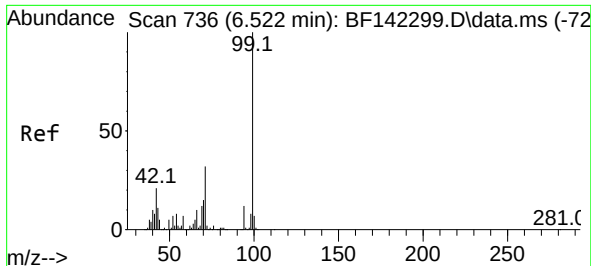
Tgt Ion:152 Resp: 210332
 Ion Ratio Lower Upper
 152 100
 150 156.9 126.6 190.0
 115 58.1 47.3 70.9



#5
 2-Fluorophenol
 Concen: 106.276 ng
 RT: 5.522 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF142322.D
 Acq: 12 May 2025 16:11

Tgt Ion:112 Resp: 1309448
 Ion Ratio Lower Upper
 112 100
 64 60.3 48.9 73.3
 63 30.9 25.6 38.4

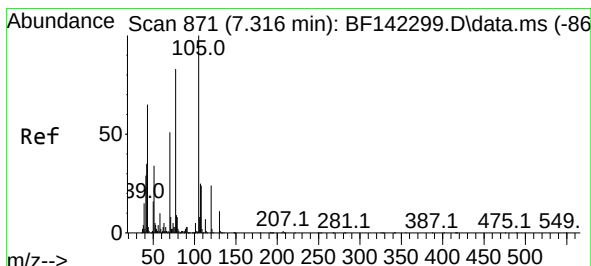
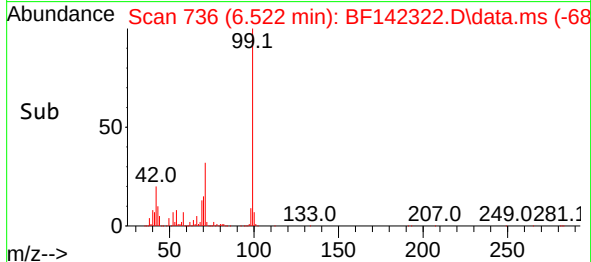
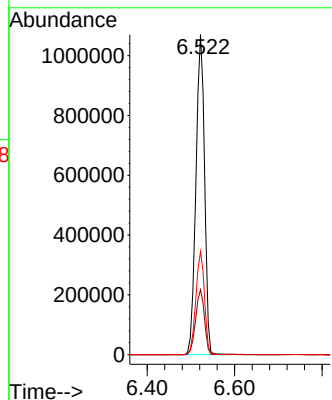
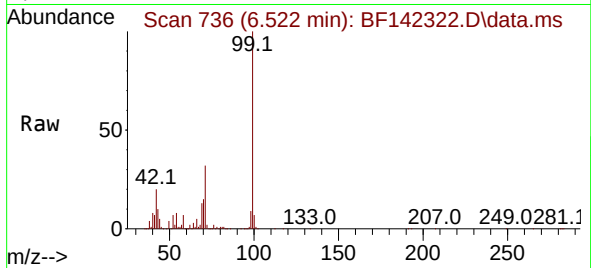




#7
Phenol-d6
Concen: 97.420 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

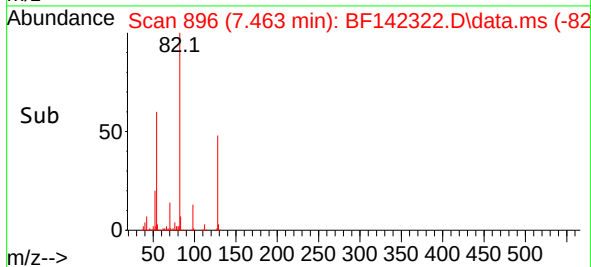
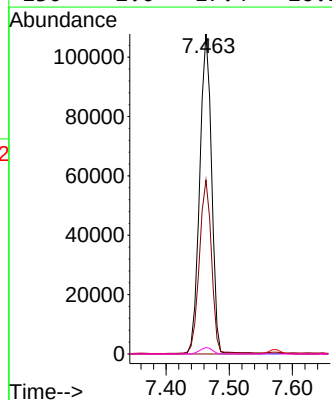
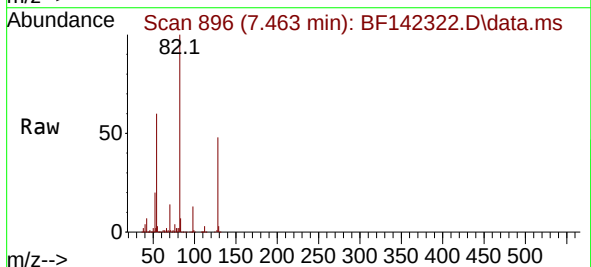
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-01

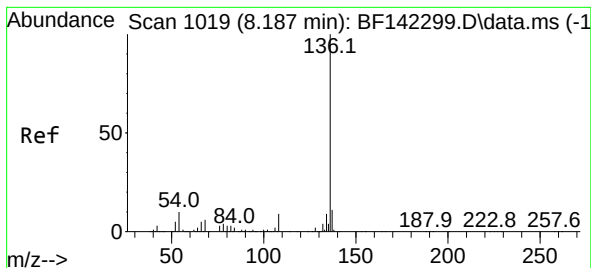
Tgt Ion: 99 Resp: 1476315
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.061 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion: 70 Resp: 141177
Ion Ratio Lower Upper
70 100
42 54.3 54.8 82.2#
101 0.0 7.7 11.5#
130 2.0 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.186 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142322.D

Acq: 12 May 2025 16:11

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-01

Tgt Ion:136 Resp: 797151

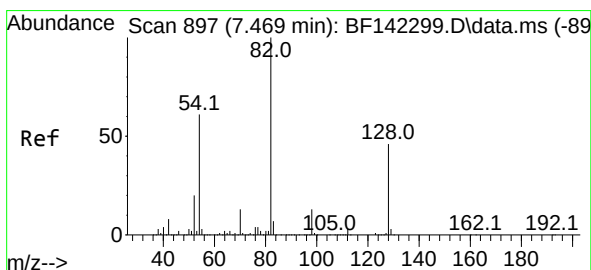
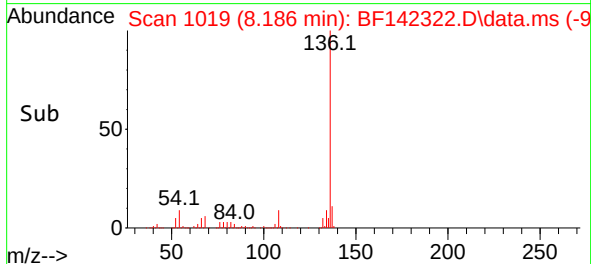
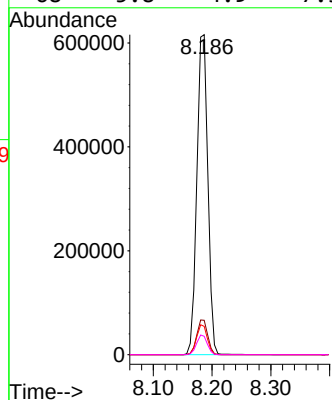
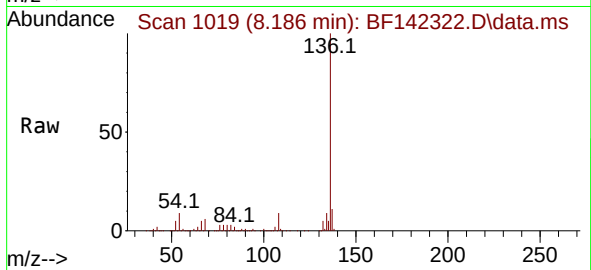
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.8 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 78.982 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142322.D

Acq: 12 May 2025 16:11

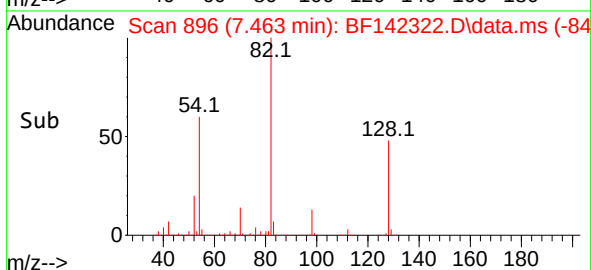
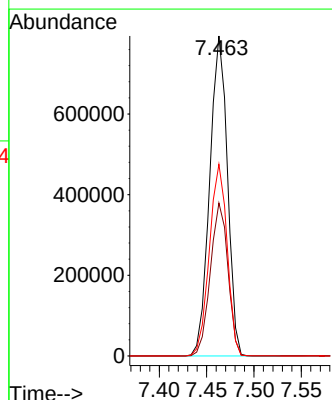
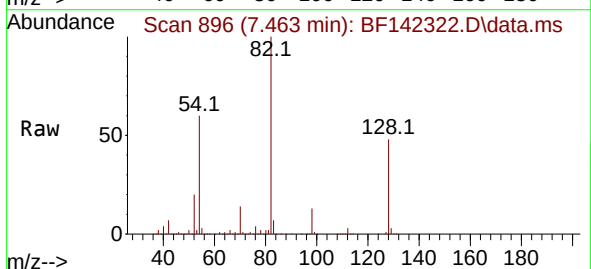
Tgt Ion: 82 Resp: 1032363

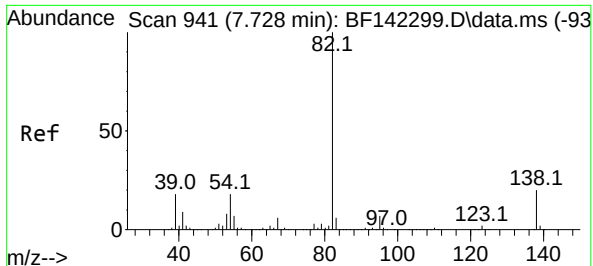
Ion Ratio Lower Upper

82 100

128 47.8 37.0 55.6

54 59.9 48.6 73.0

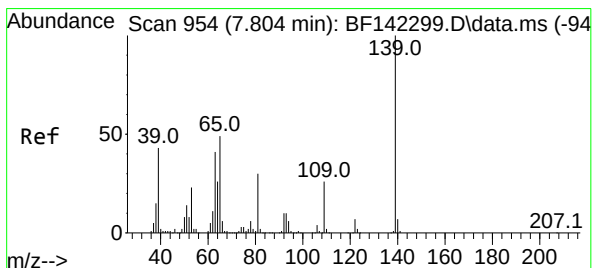
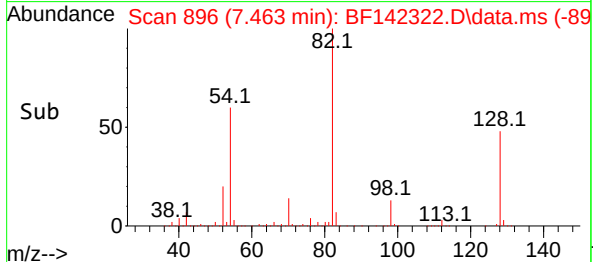
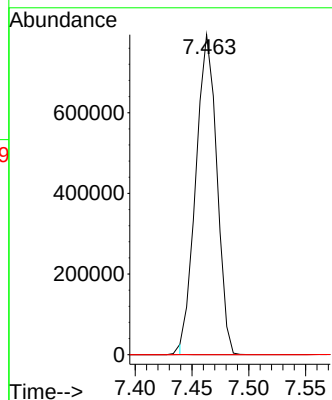
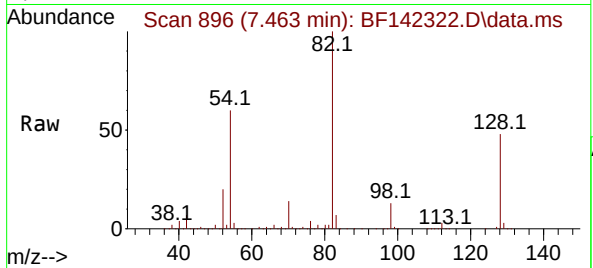




#25
Isophorone
Concen: 41.214 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

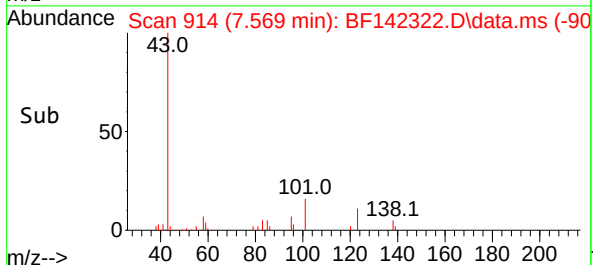
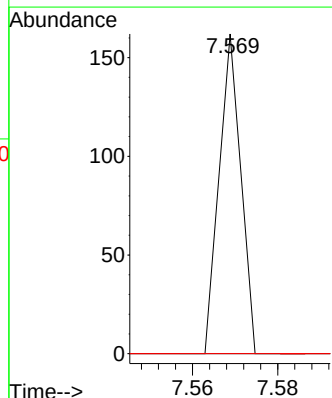
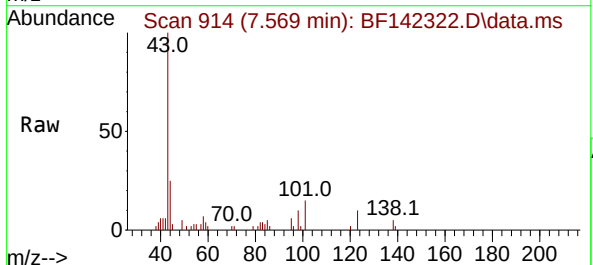
Instrument :
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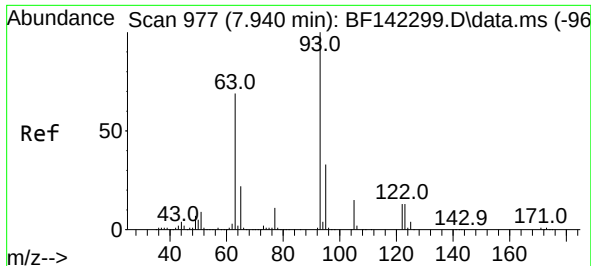
Tgt Ion: 82 Resp: 1020114
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.096 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:139 Resp: 57
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

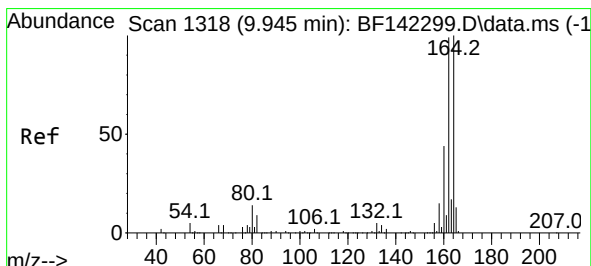
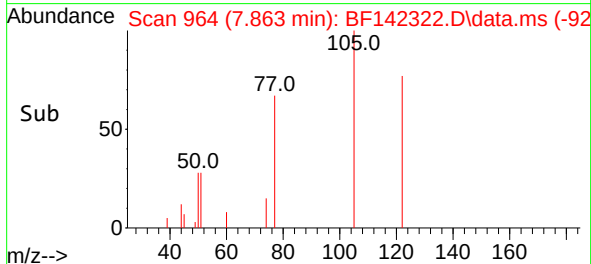
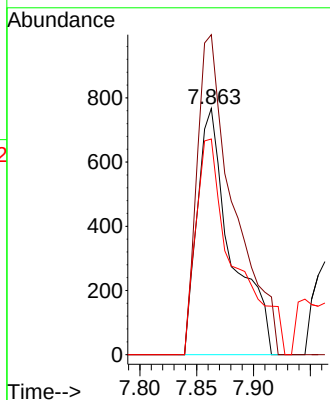
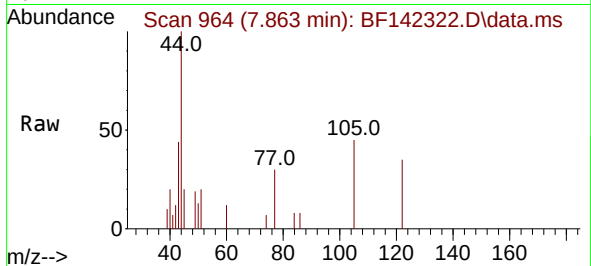




#32
Benzoic acid
Concen: 6.260 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.077 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

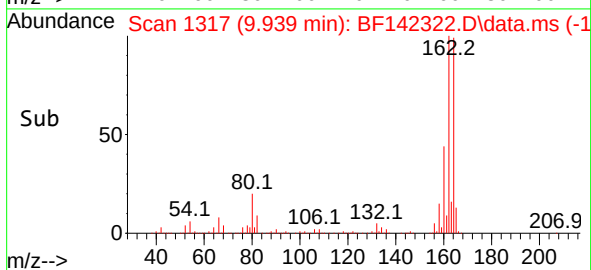
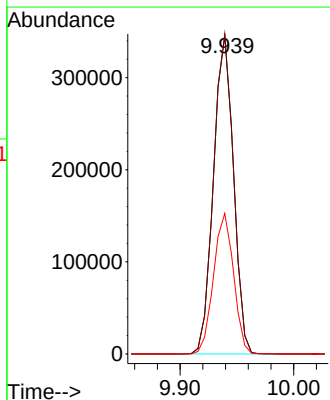
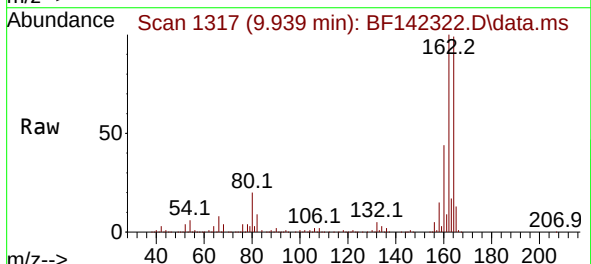
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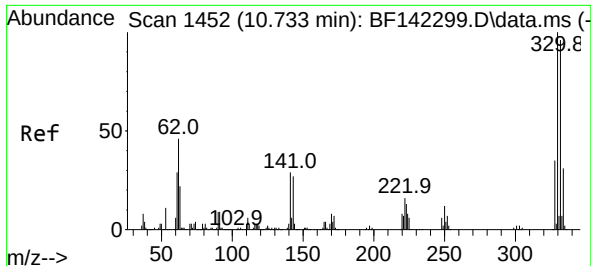
Tgt Ion:122 Resp: 1599
Ion Ratio Lower Upper
122 100
105 130.0 97.9 137.9
77 87.6 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:164 Resp: 422840
Ion Ratio Lower Upper
164 100
162 100.7 79.2 118.8
160 44.2 35.3 52.9

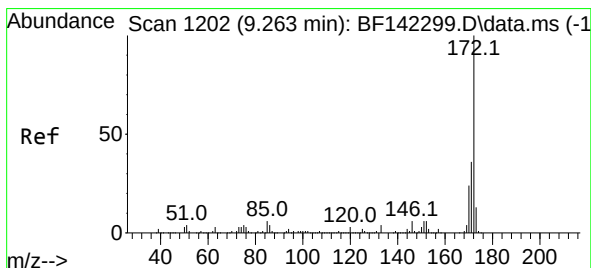
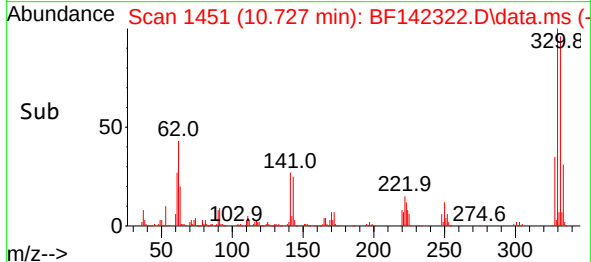
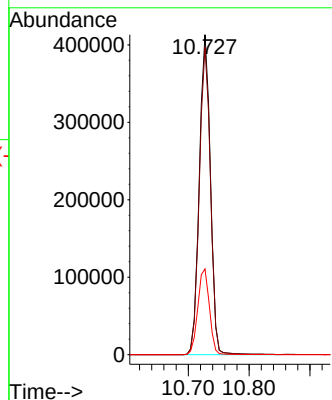
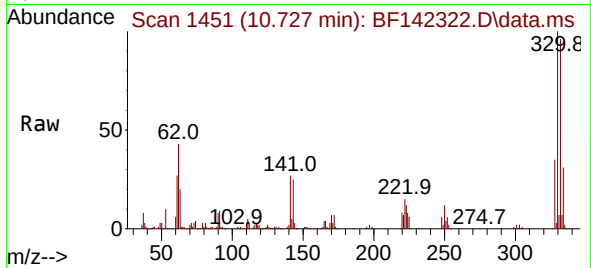




#42
2,4,6-Tribromophenol
Concen: 128.202 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

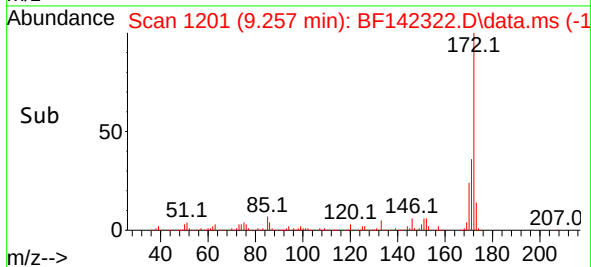
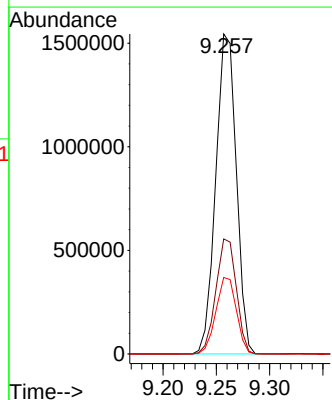
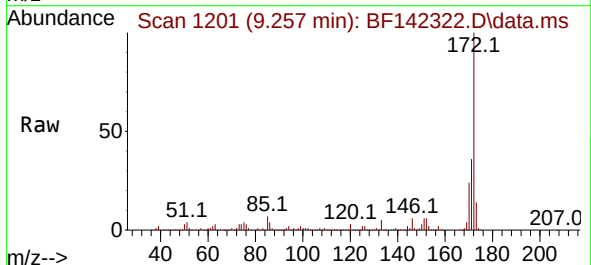
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OR-636-COMP-01

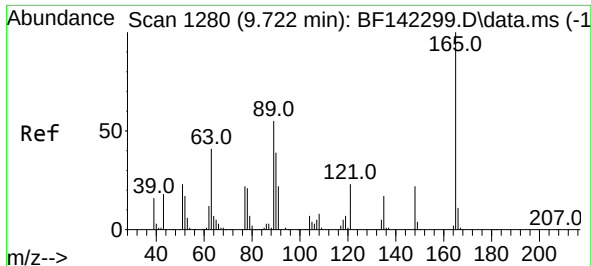
Tgt Ion:330 Resp: 523378
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 28.1 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 69.733 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:172 Resp: 2067901
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.9 19.0 28.4

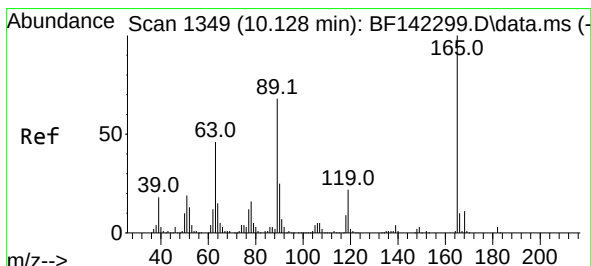
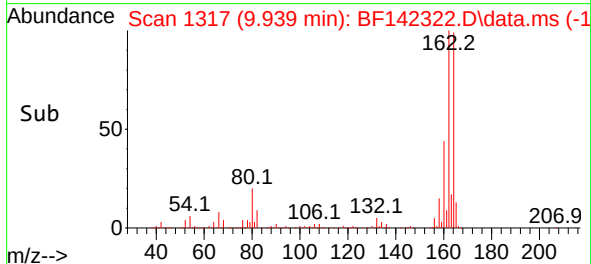
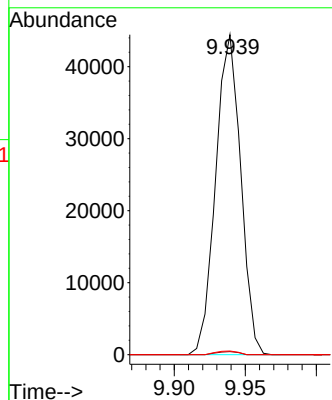
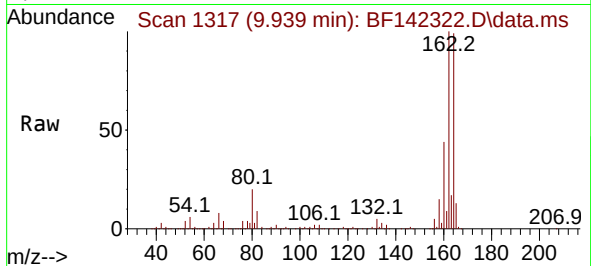




#51
2,6-Dinitrotoluene
Concen: 10.720 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

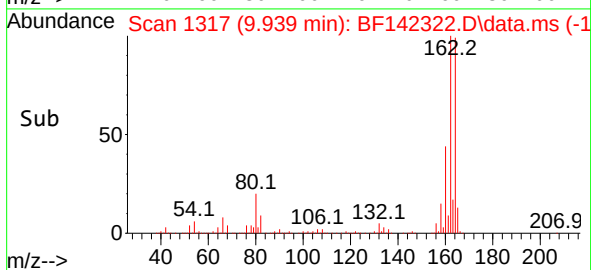
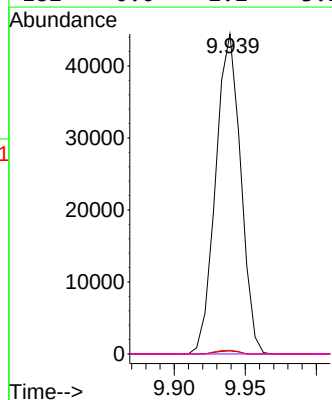
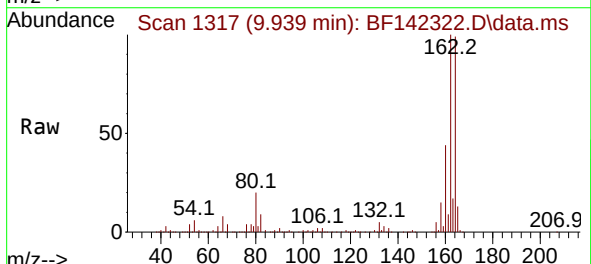
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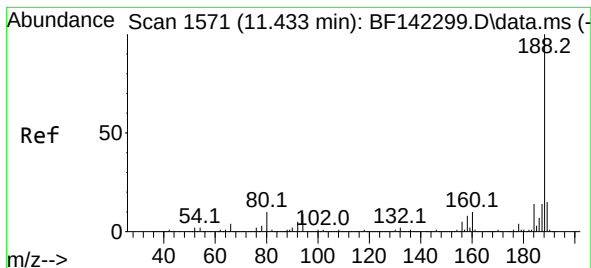
Tgt Ion:165 Resp: 54484
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.357 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:165 Resp: 54484
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#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142322.D

Acq: 12 May 2025 16:11

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-01

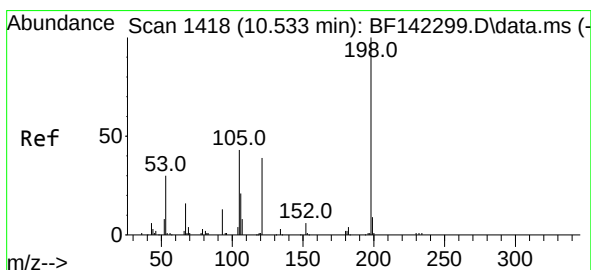
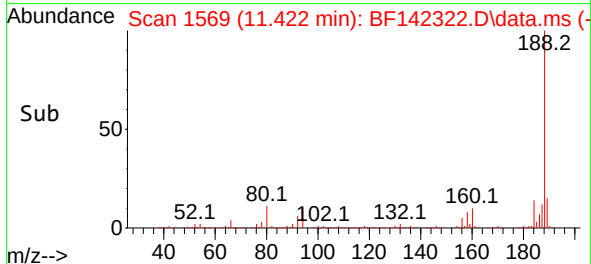
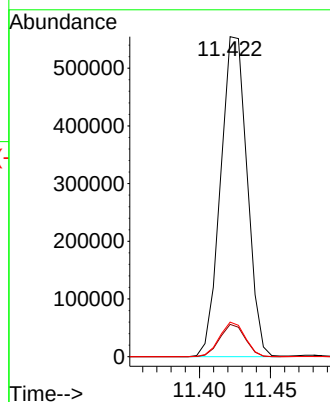
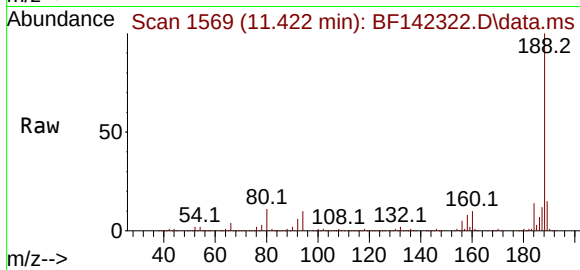
Tgt Ion:188 Resp: 721453

Ion Ratio Lower Upper

188 100

94 10.1 7.5 11.3

80 10.8 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.440 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142322.D

Acq: 12 May 2025 16:11

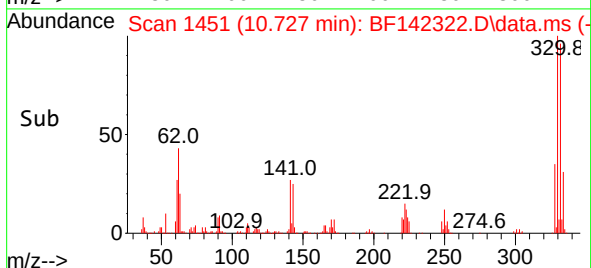
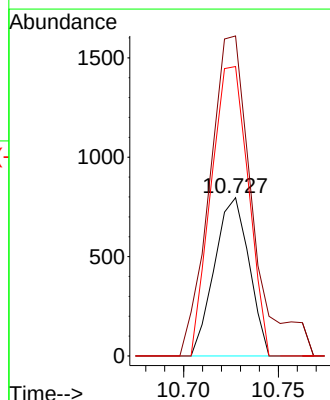
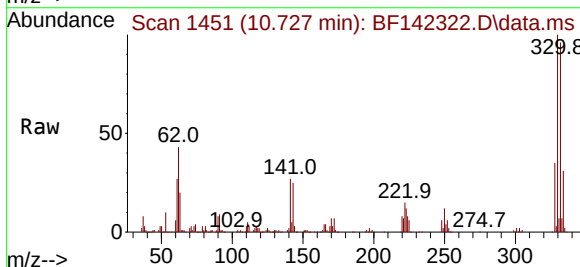
Tgt Ion:198 Resp: 1009

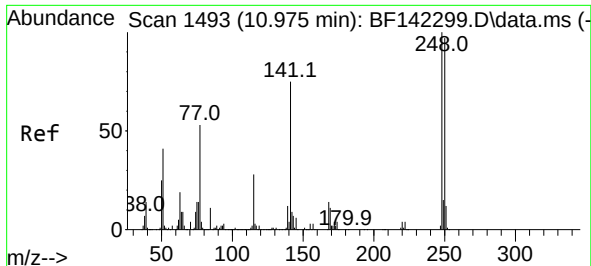
Ion Ratio Lower Upper

198 100

51 202.3 32.9 72.9#

105 182.9 23.7 63.7#

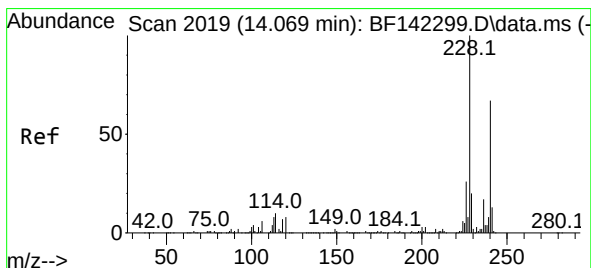
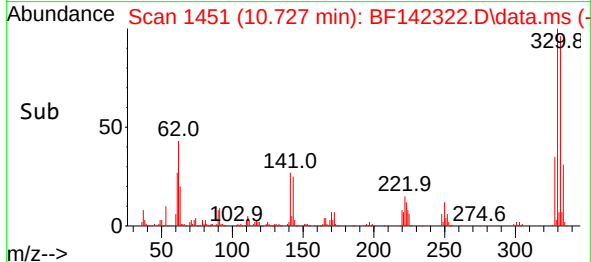
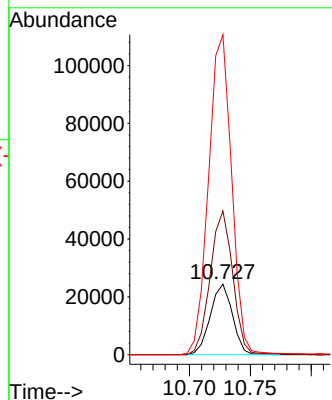
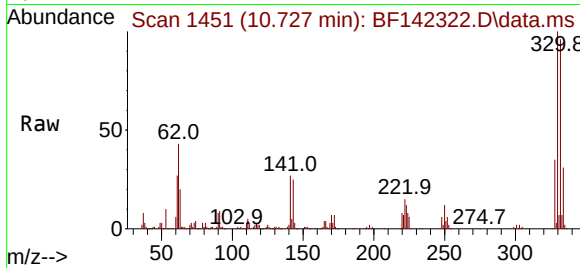




#67
4-Bromophenyl-phenylether
Concen: 3.779 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

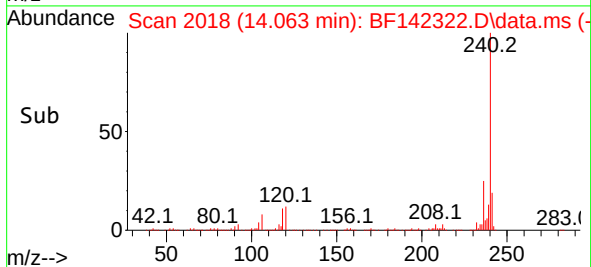
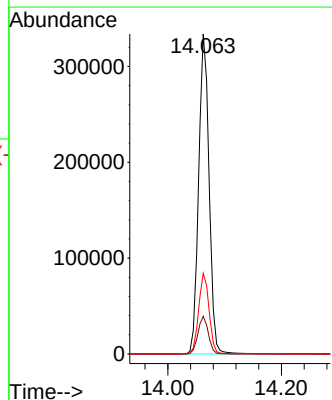
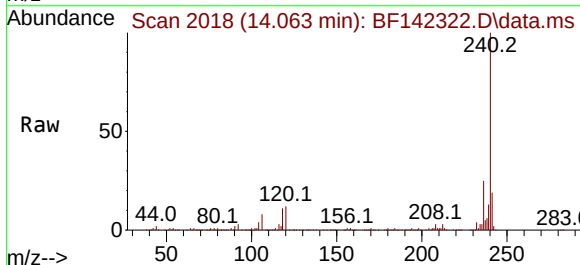
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-01

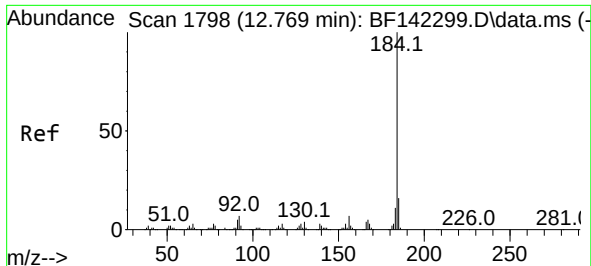
Tgt Ion:248 Resp: 30895
Ion Ratio Lower Upper
248 100
250 203.9 77.9 116.9#
141 453.9 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:240 Resp: 427752
Ion Ratio Lower Upper
240 100
120 11.8 9.7 14.5
236 25.2 20.0 30.0

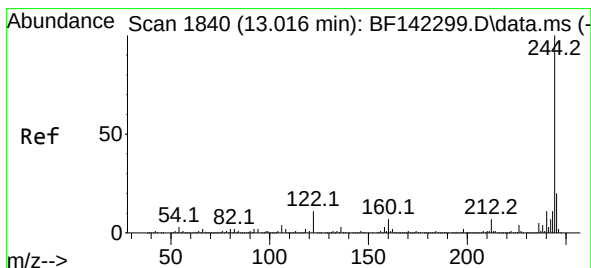
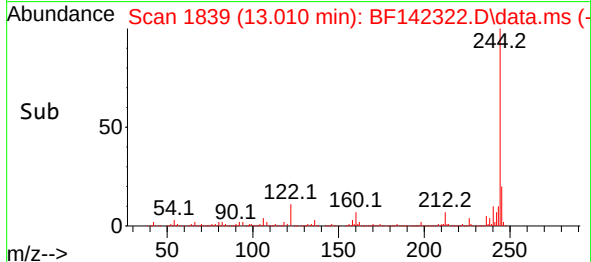
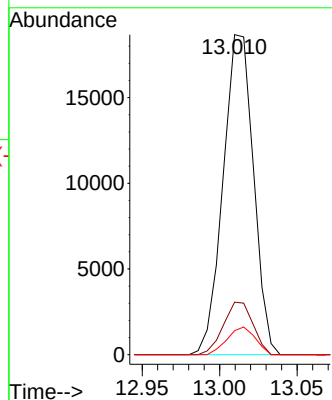
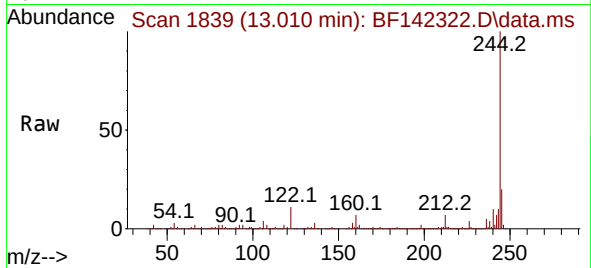




#77
Benzidine
Concen: 3.281 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

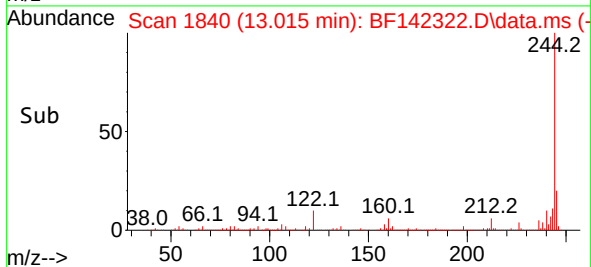
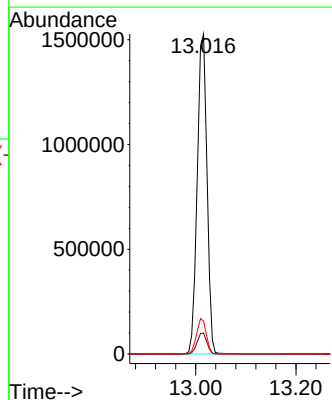
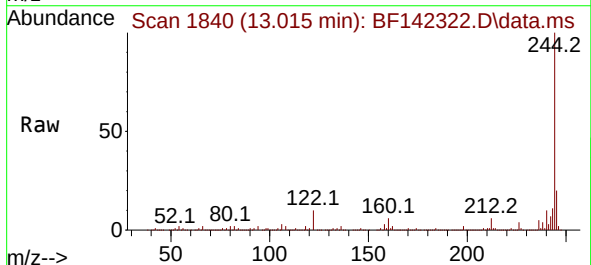
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-01

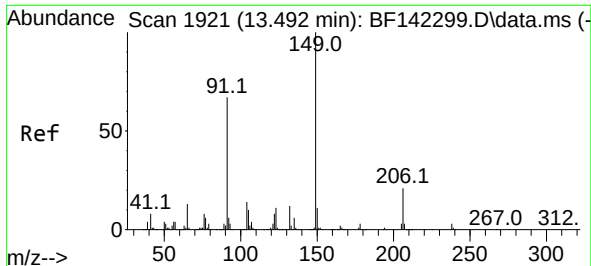
Tgt Ion:184 Resp: 25501
Ion Ratio Lower Upper
184 100
185 16.4 12.6 18.8
183 7.5 8.6 12.8#



#79
Terphenyl-d14
Concen: 71.281 ng
RT: 13.015 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:244 Resp: 2060023
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.3 9.0 13.4

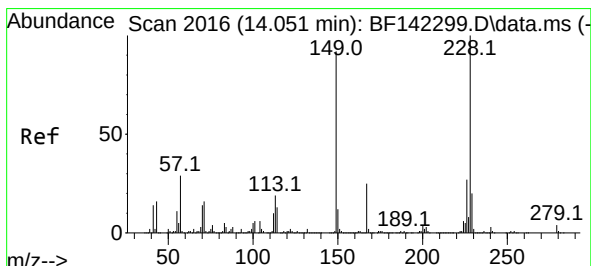
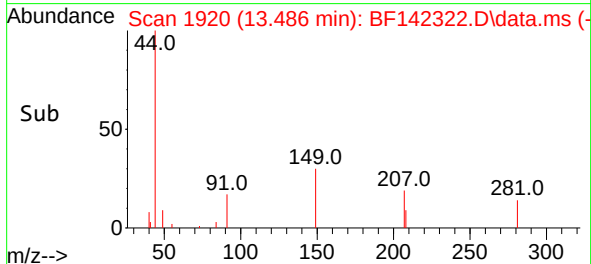
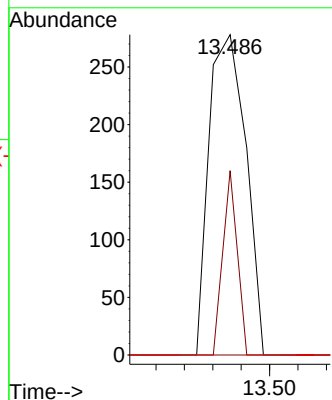
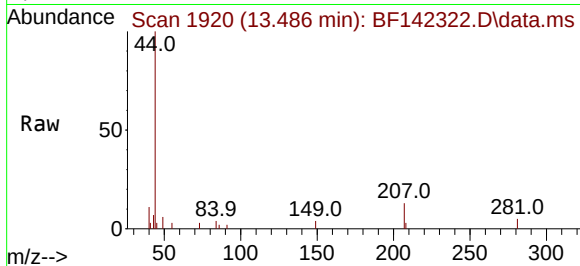




#80
Butylbenzylphthalate
Concen: 3.680 ng
RT: 13.486 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

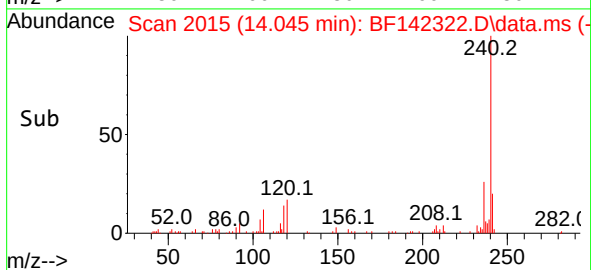
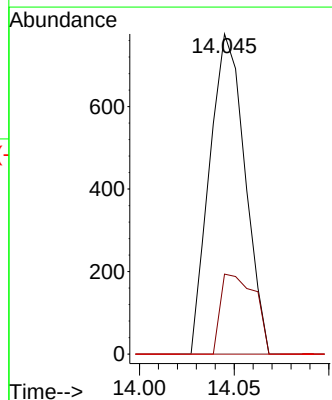
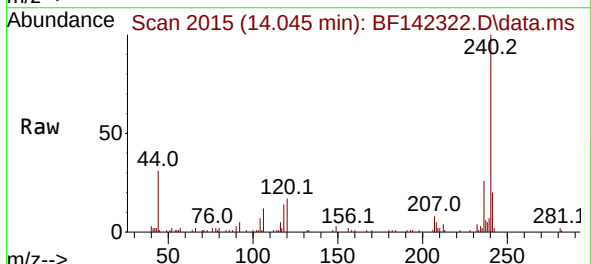
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-01

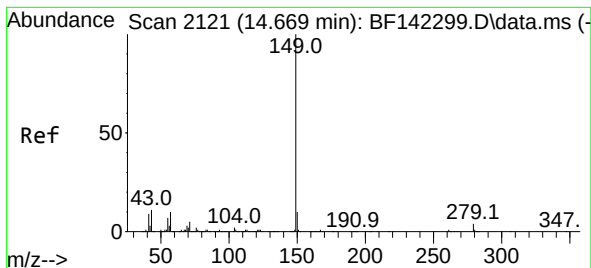
Tgt Ion:149	Resp:	251
Ion Ratio	Lower	Upper
149	100	
91	57.6	53.8 80.6
206	0.0	16.6 24.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.300 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142322.D
Acq: 12 May 2025 16:11

Tgt Ion:149	Resp:	1005
Ion Ratio	Lower	Upper
149	100	
167	25.0	22.0 33.0
279	0.0	3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.846 ng

RT: 14.698 min Scan# 2121

Delta R.T. 0.029 min

Lab File: BF142322.D

Acq: 12 May 2025 16:11

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-01

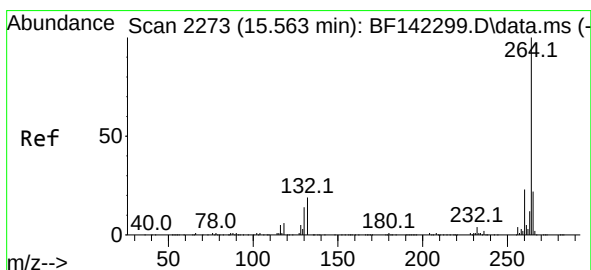
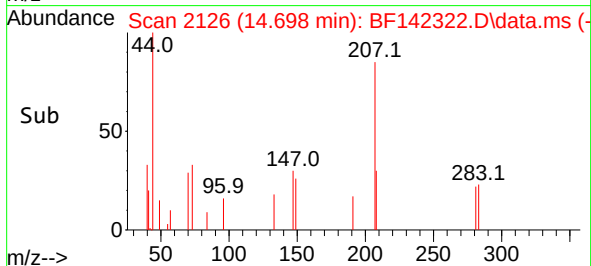
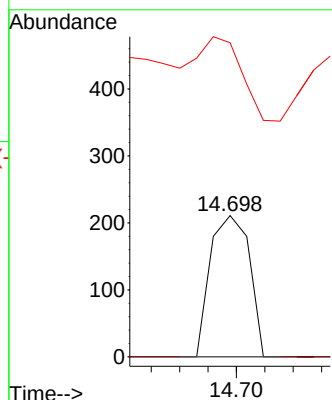
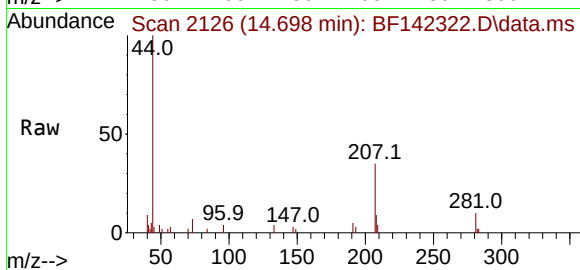
Tgt Ion:149 Resp: 202

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 68.8 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: BF142322.D

Acq: 12 May 2025 16:11

Tgt Ion:264 Resp: 336875

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.5 17.5 26.3

