

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142326.D
 Acq On : 12 May 2025 18:07
 Operator : RC/JU
 Sample : Q2007-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: May 13 01:03:55 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)

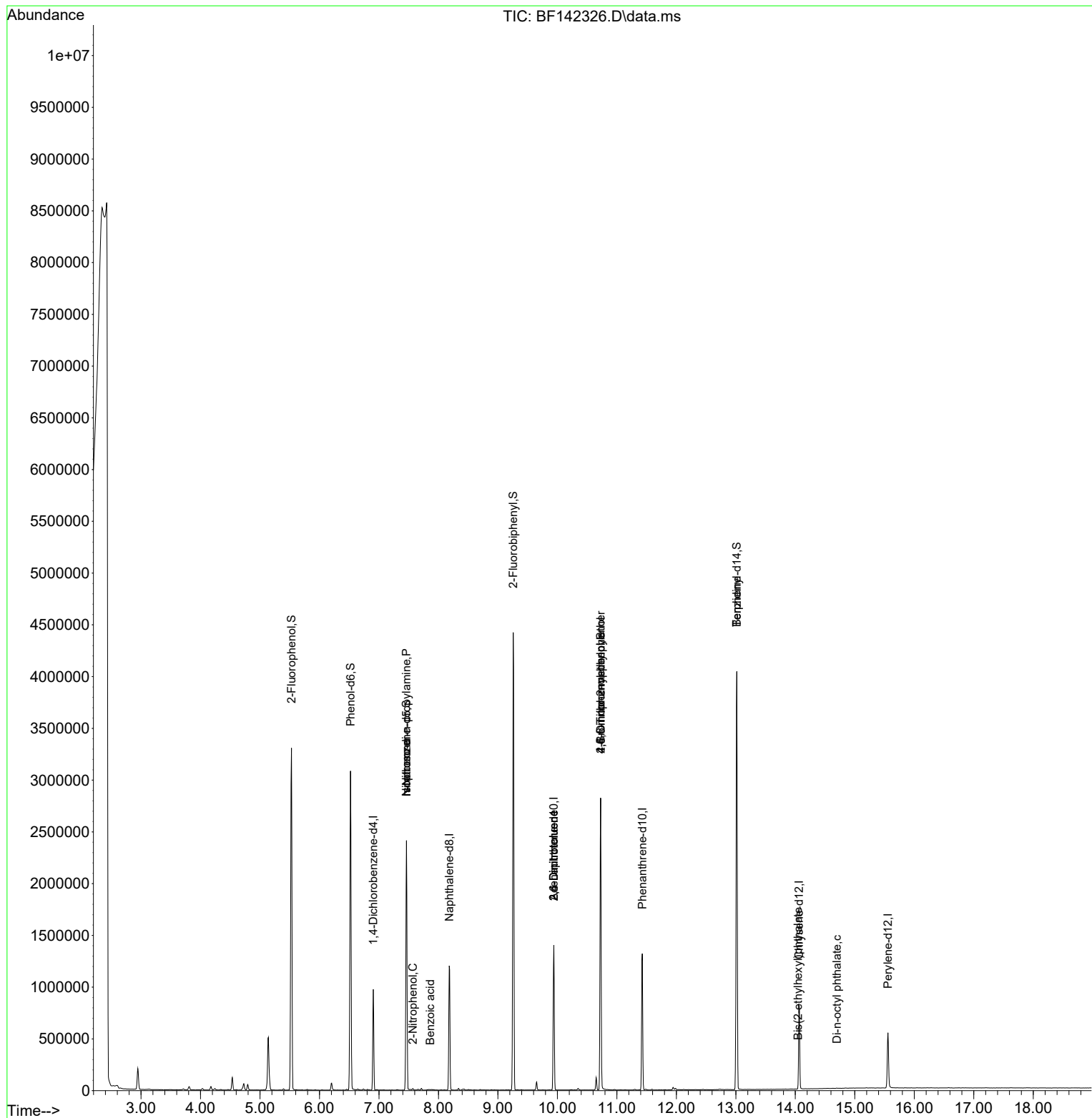
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	203980	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	767647	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	409528	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	680237	20.000	ng	0.00
76) Chrysene-d12	14.063	240	405203	20.000	ng	0.00
86) Perylene-d12	15.557	264	311311	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1314717	110.027	ng	0.02
7) Phenol-d6	6.522	99	1474978	100.363	ng	0.00
23) Nitrobenzene-d5	7.463	82	1007660	80.055	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	517233	130.815	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2011109	70.022	ng	0.00
79) Terphenyl-d14	13.016	244	2018384	73.727	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	134257	14.769	ng	# 77
25) Isophorone	7.463	82	1004199	42.131	ng	# 62
26) 2-Nitrophenol	7.569	139	121	4.107	ng	# 36
32) Benzoic acid	7.863	122	1986	6.331	ng	# 95
51) 2,6-Dinitrotoluene	9.939	165	52065	10.577	ng	# 22
57) 2,4-Dinitrotoluene	9.939	165	52065	8.246	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.727	198	911	7.429	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	29800	3.865	ng	# 1
77) Benzidine	13.016	184	24605	3.341	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.045	149	550	4.274	ng	# 52
85) Di-n-octyl phthalate	14.698	149	386	7.853	ng	# 1

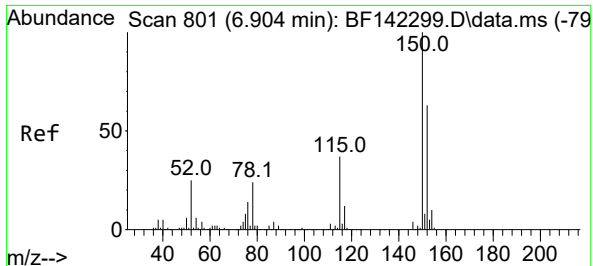
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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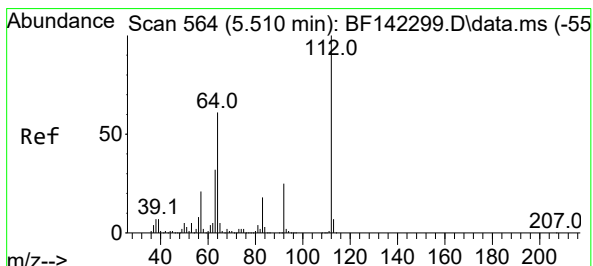
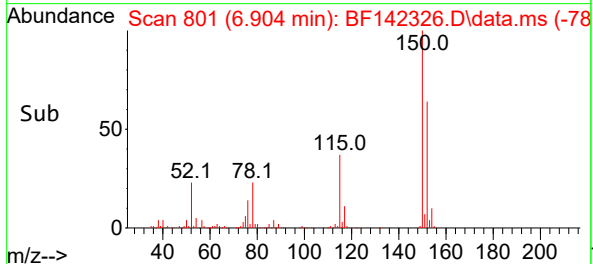
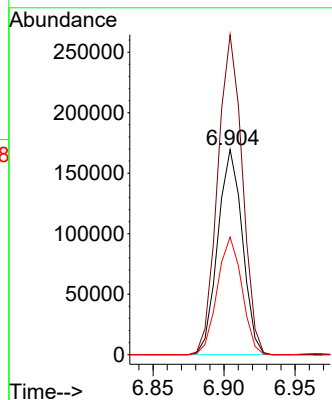
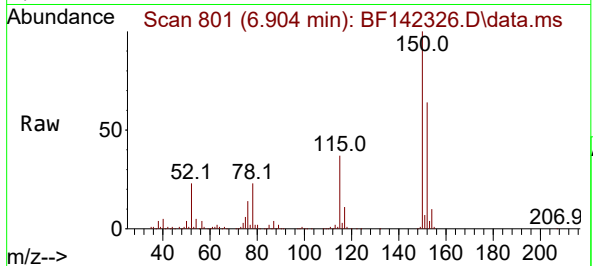




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142326.D
 Acq: 12 May 2025 18:07

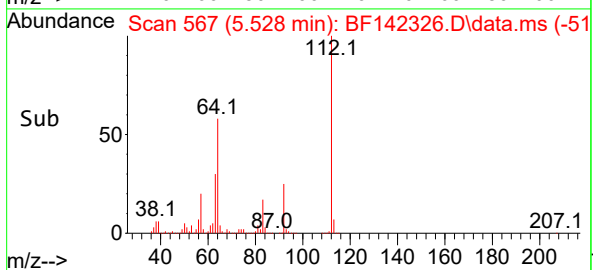
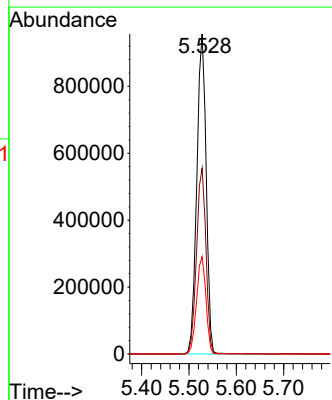
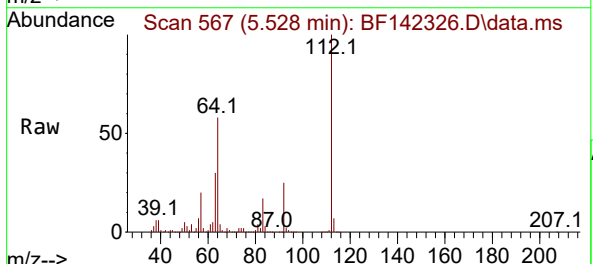
Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-11

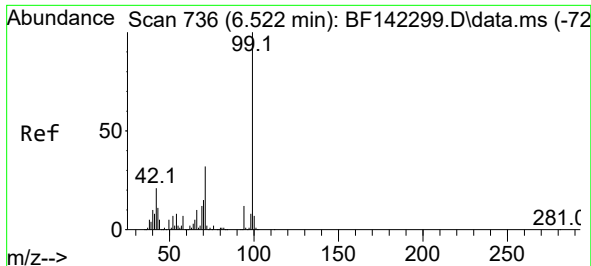
Tgt Ion:152 Resp: 203980
 Ion Ratio Lower Upper
 152 100
 150 156.0 126.6 190.0
 115 57.3 47.3 70.9



#5
 2-Fluorophenol
 Concen: 110.027 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.018 min
 Lab File: BF142326.D
 Acq: 12 May 2025 18:07

Tgt Ion:112 Resp: 1314717
 Ion Ratio Lower Upper
 112 100
 64 58.1 48.9 73.3
 63 30.4 25.6 38.4

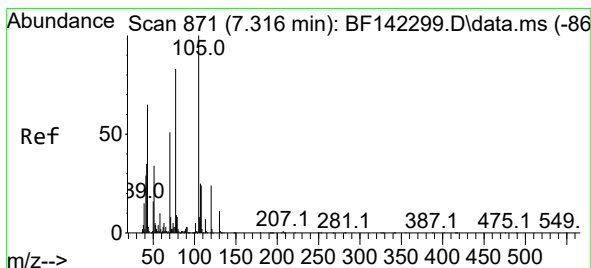
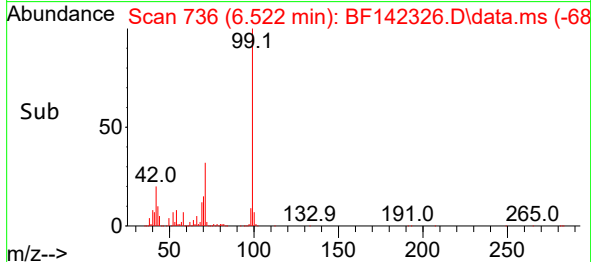
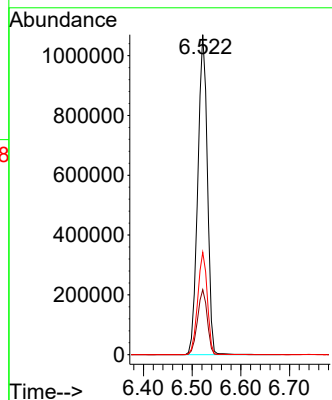
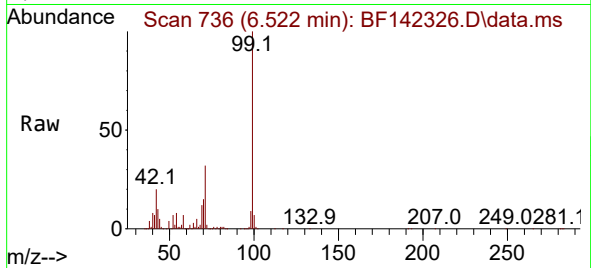




#7
Phenol-d6
Concen: 100.363 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

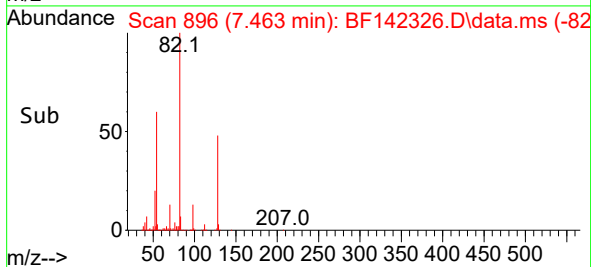
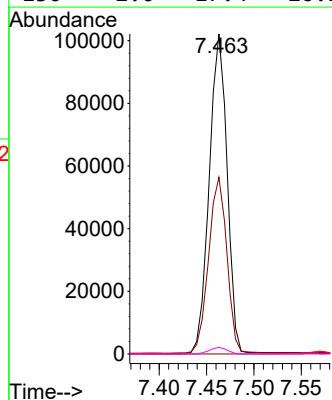
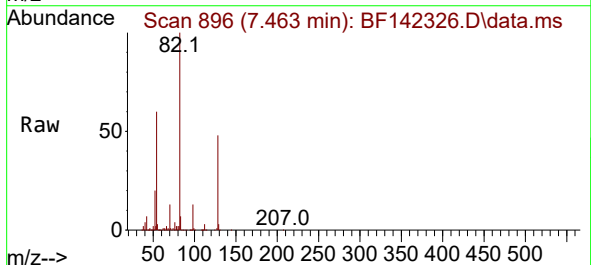
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-11

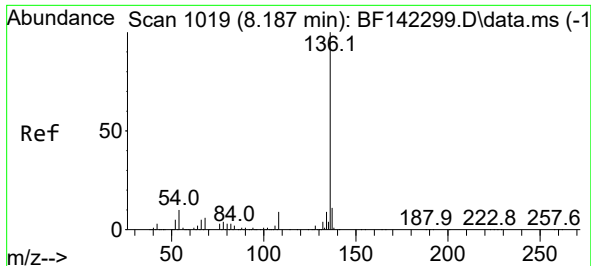
Tgt Ion: 99 Resp: 1474978
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.0 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.769 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion: 70 Resp: 134257
Ion Ratio Lower Upper
70 100
42 55.2 54.8 82.2
101 0.0 7.7 11.5#
130 2.0 17.4 26.2#



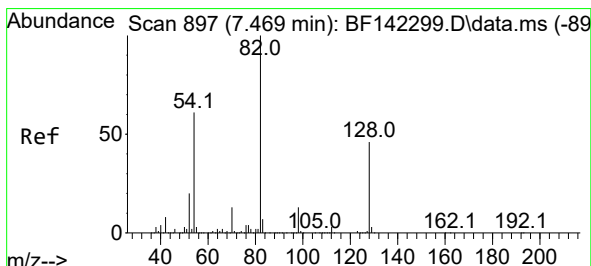
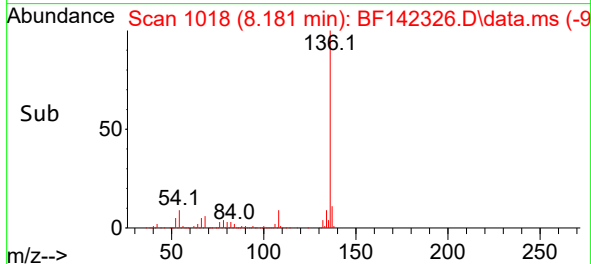
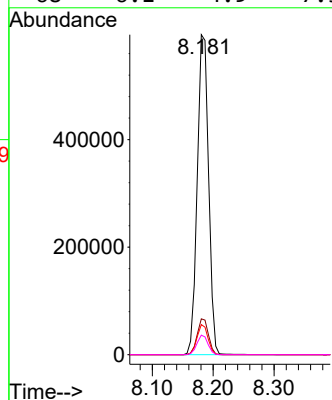
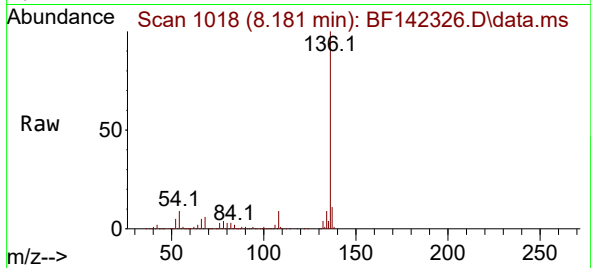


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

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

Tgt Ion:136 Resp: 767647

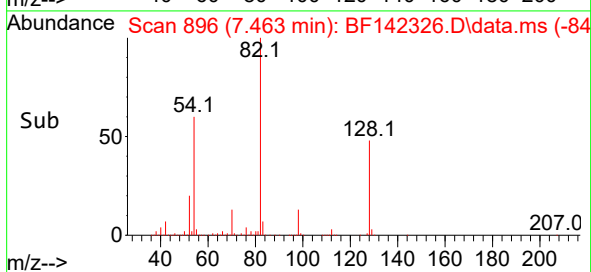
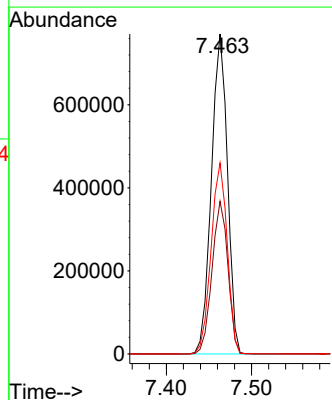
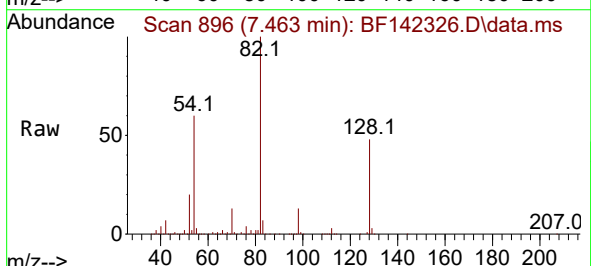
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.4	7.7	11.5
68	6.1	4.9	7.3

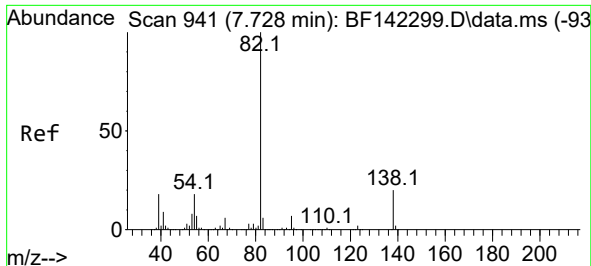


#23
Nitrobenzene-d5
Concen: 80.055 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion: 82 Resp: 1007660

Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.0	55.6
54	59.7	48.6	73.0

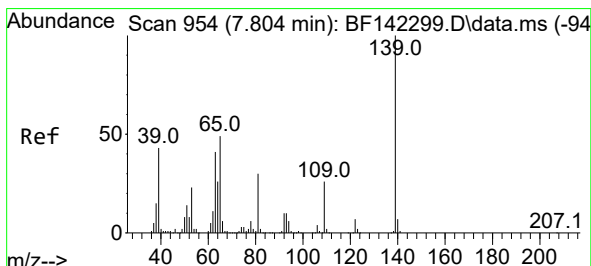
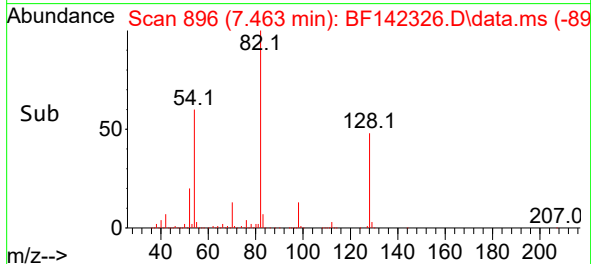
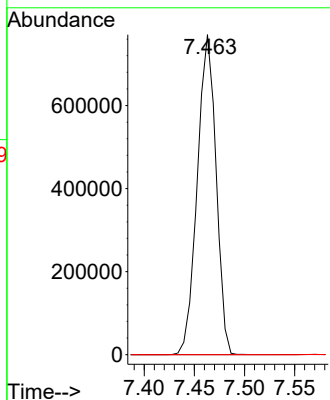
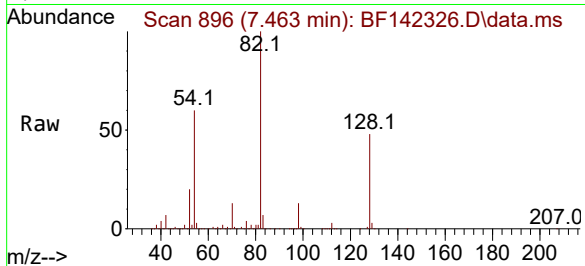




#25
Isophorone
Concen: 42.131 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

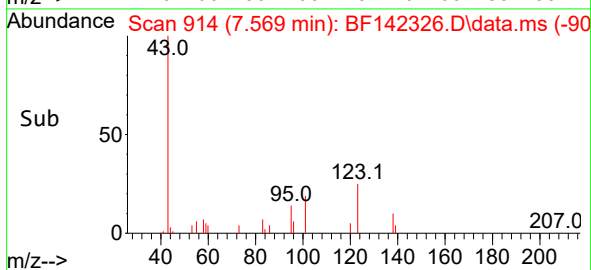
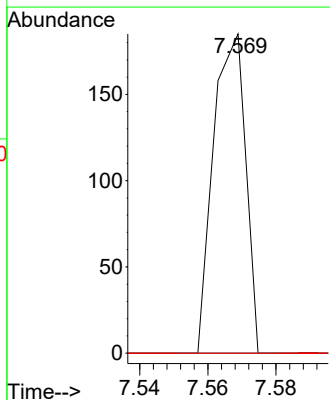
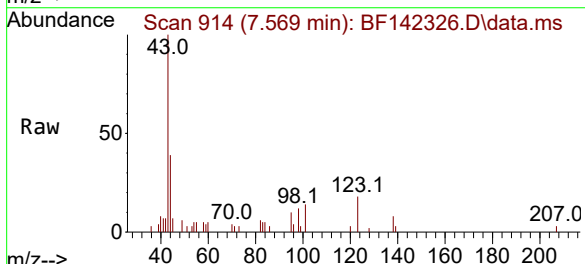
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ClientSampleId :
OR-636-COMP-11

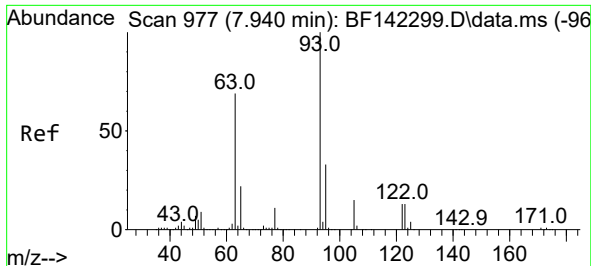
Tgt Ion: 82 Resp: 1004199
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion:139 Resp: 121
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

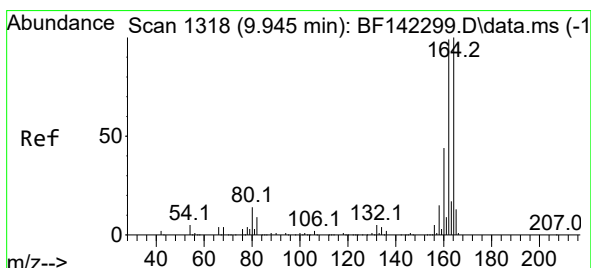
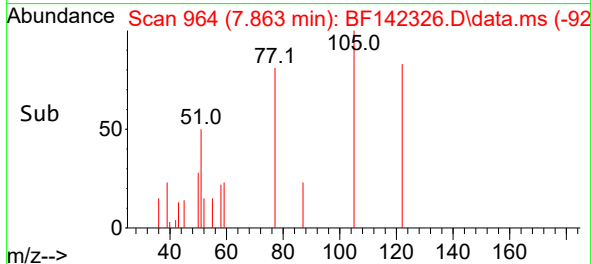
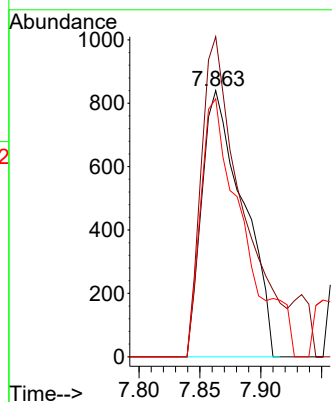
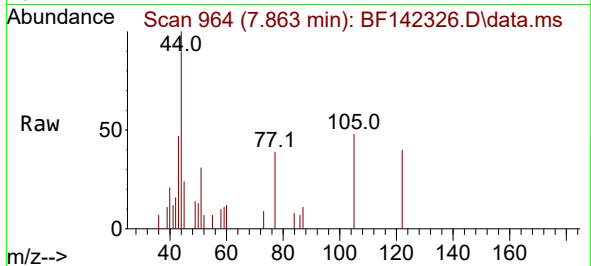




#32
Benzoic acid
Concen: 6.331 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.077 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

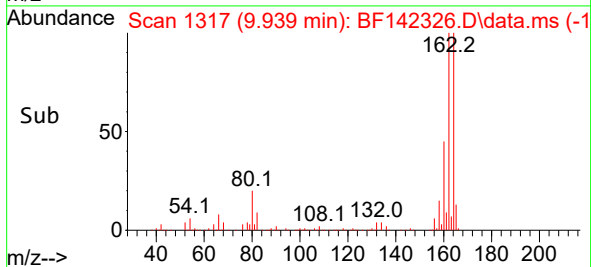
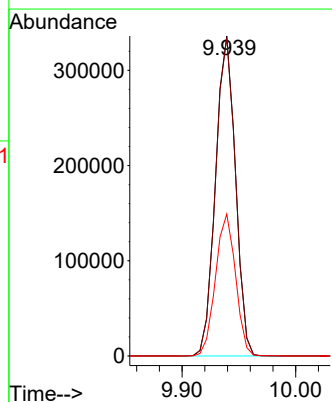
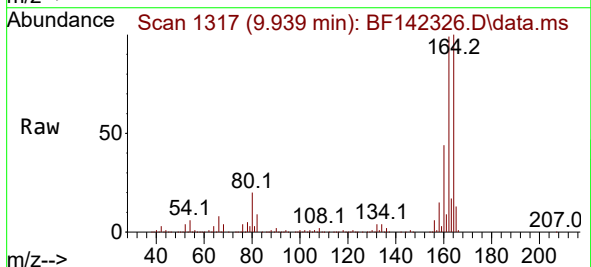
Instrument :
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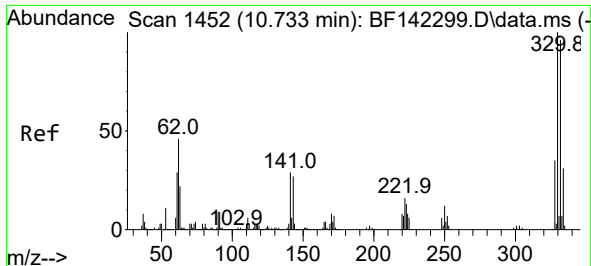
Tgt Ion:122 Resp: 1986
Ion Ratio Lower Upper
122 100
105 120.2 97.9 137.9
77 96.9 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion:164 Resp: 409528
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 44.4 35.3 52.9

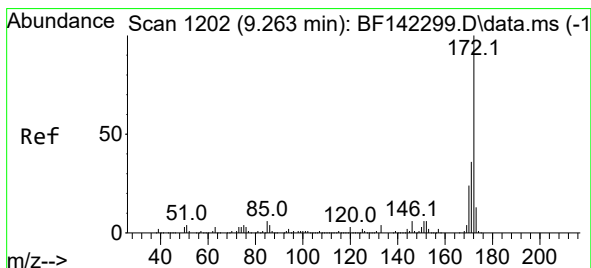
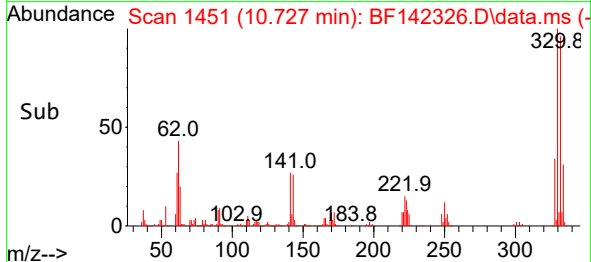
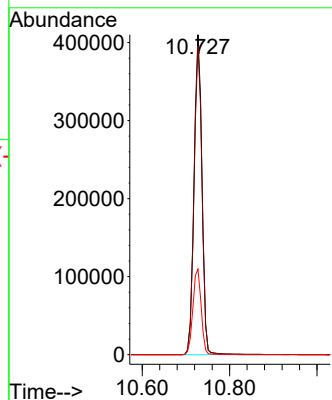
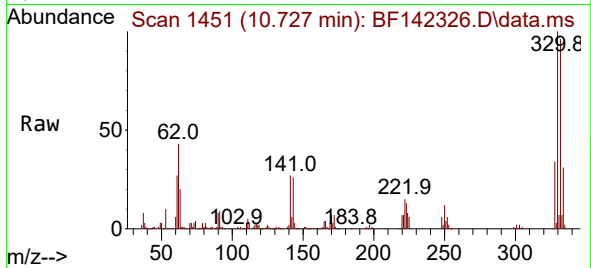




#42
2,4,6-Tribromophenol
Concen: 130.815 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

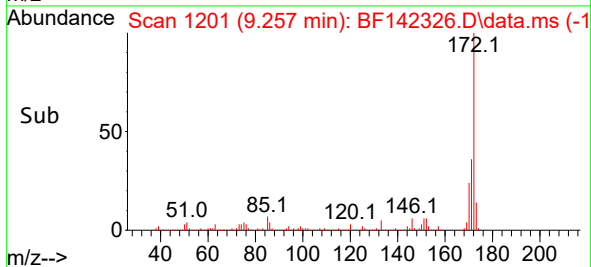
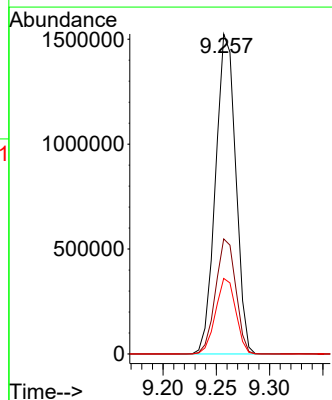
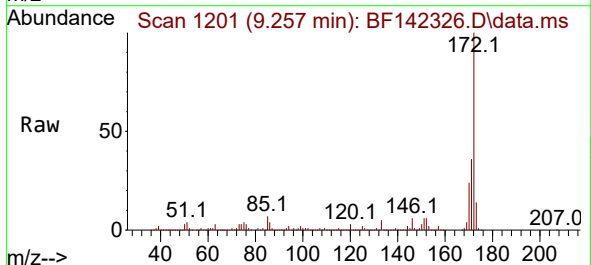
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OR-636-COMP-11

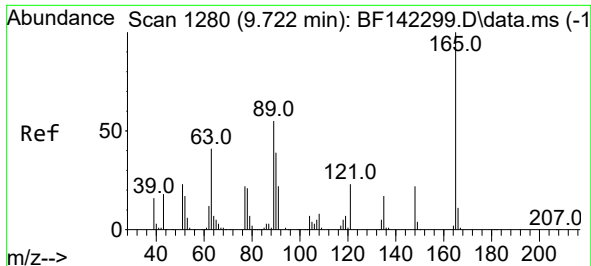
Tgt Ion:330 Resp: 517233
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 28.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 70.022 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion:172 Resp: 2011109
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.6 19.0 28.4

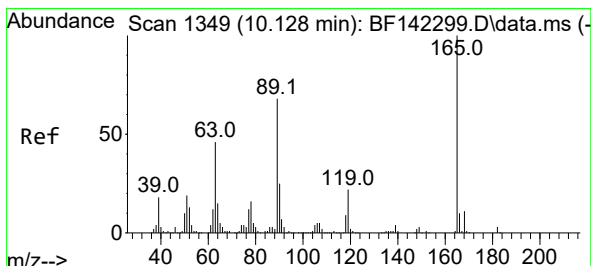
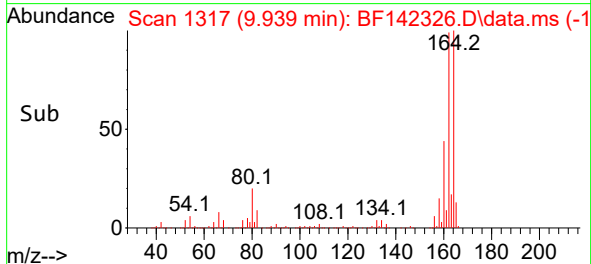
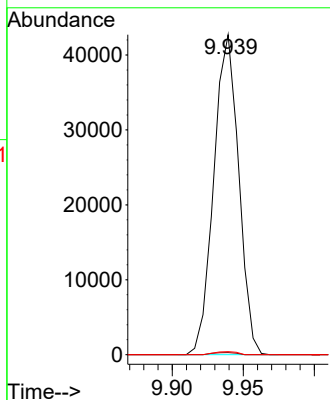
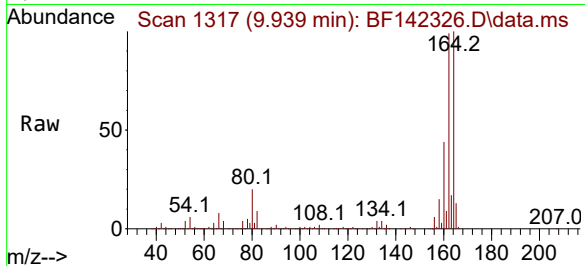




#51
2,6-Dinitrotoluene
Concen: 10.577 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

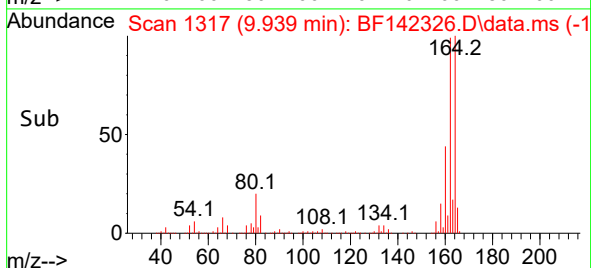
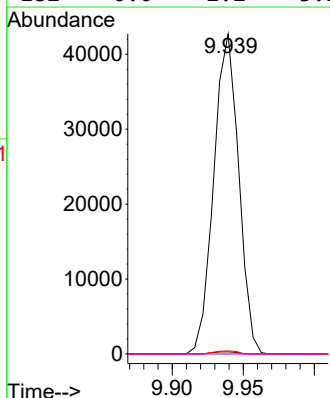
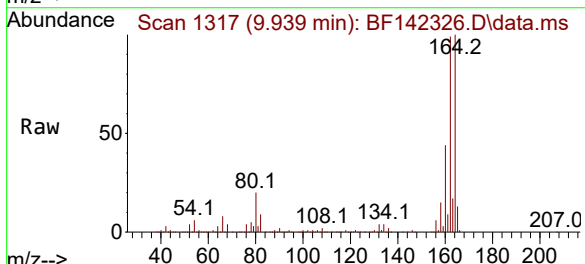
Instrument :
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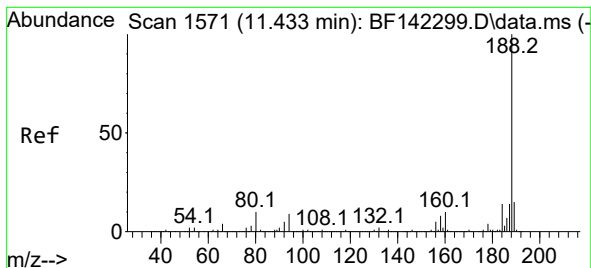
Tgt Ion:165 Resp: 52065
Ion Ratio Lower Upper
165 100
63 0.7 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.246 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion:165 Resp: 52065
Ion Ratio Lower Upper
165 100
63 0.7 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# 1

Delta R.T. -0.006 min

Lab File: BF142326.D

Acq: 12 May 2025 18:07

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-11

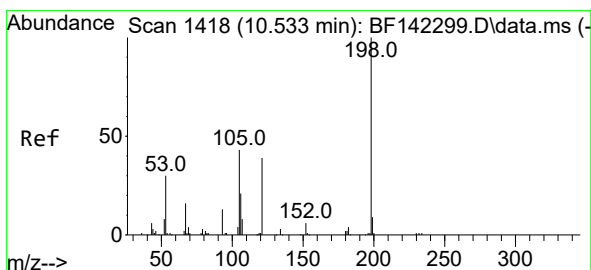
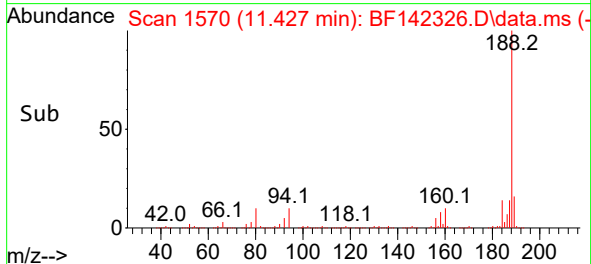
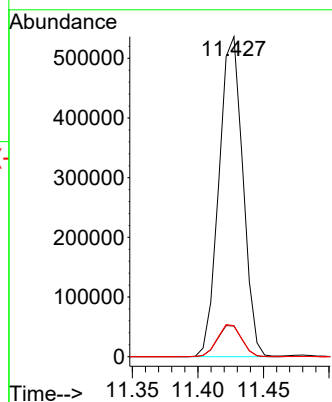
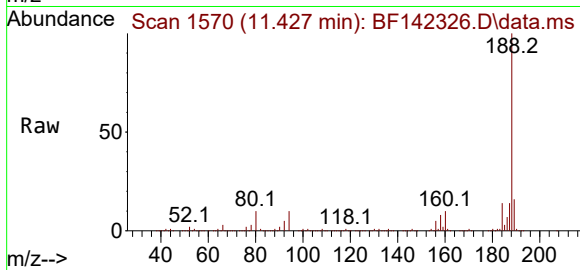
Tgt Ion:188 Resp: 680237

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 9.7 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.429 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142326.D

Acq: 12 May 2025 18:07

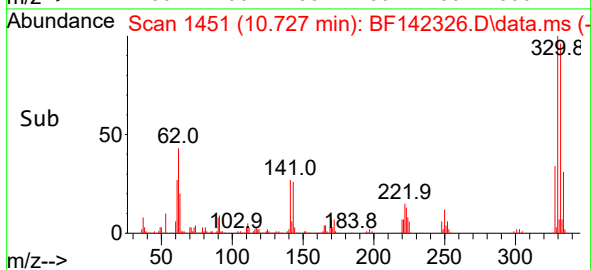
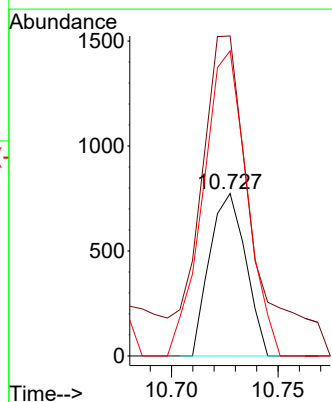
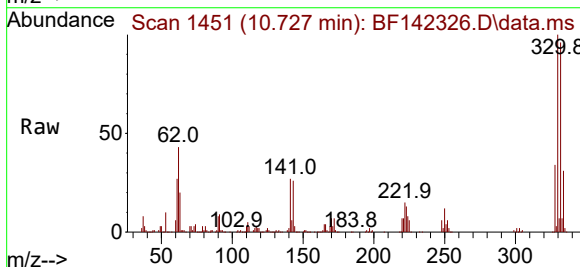
Tgt Ion:198 Resp: 911

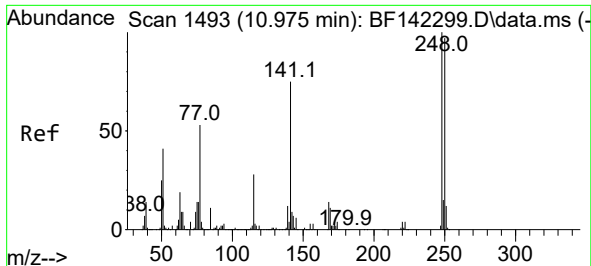
Ion Ratio Lower Upper

198 100

51 197.2 32.9 72.9#

105 188.0 23.7 63.7#

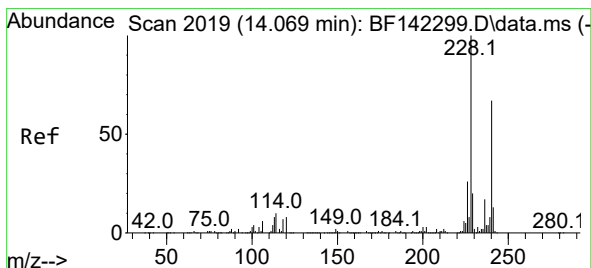
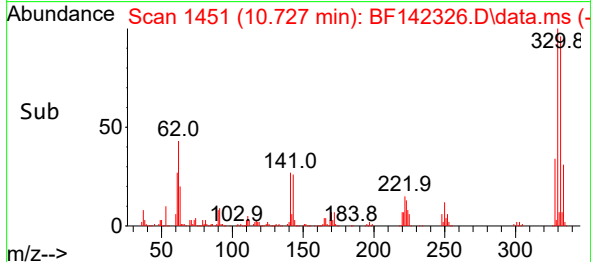
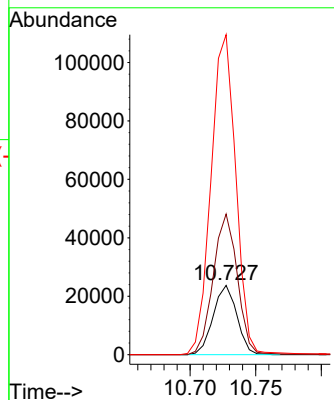
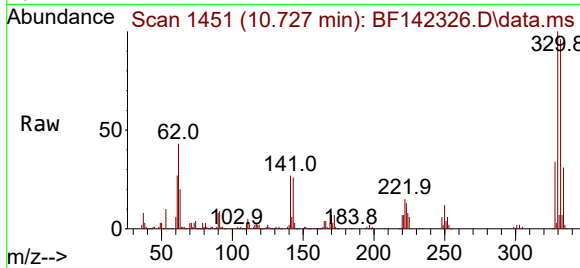




#67
4-Bromophenyl-phenylether
Concen: 3.865 ng
RT: 10.727 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

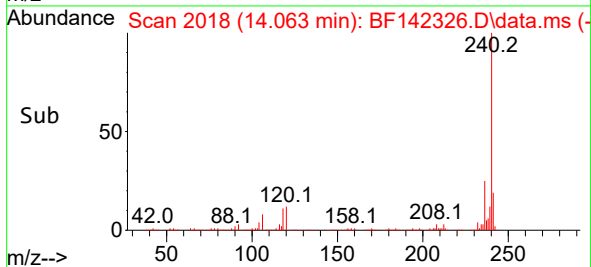
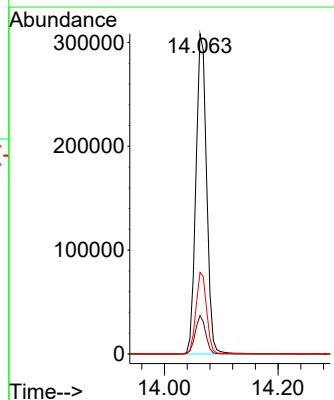
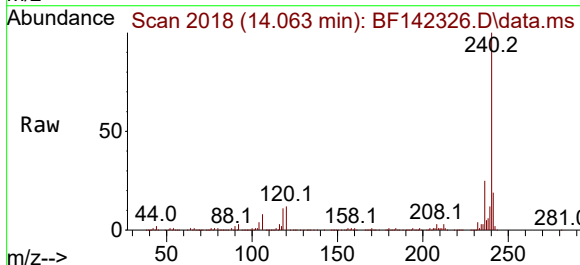
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-11

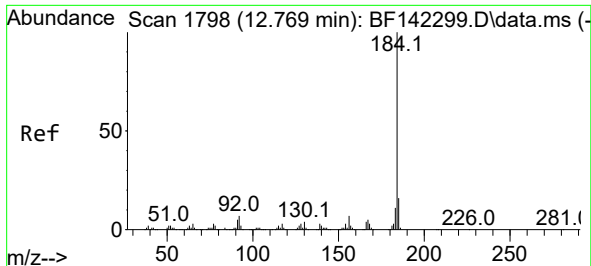
Tgt Ion:248 Resp: 29800
Ion Ratio Lower Upper
248 100
250 202.9 77.9 116.9#
141 461.4 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion:240 Resp: 405203
Ion Ratio Lower Upper
240 100
120 12.0 9.7 14.5
236 25.5 20.0 30.0

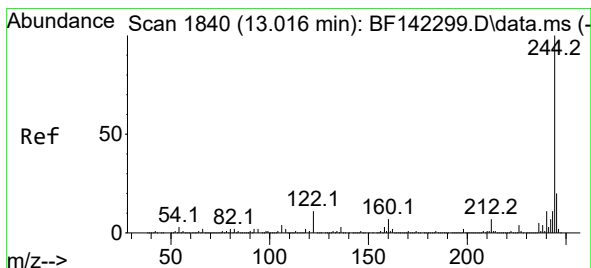
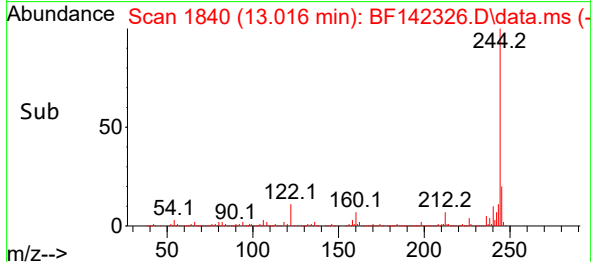
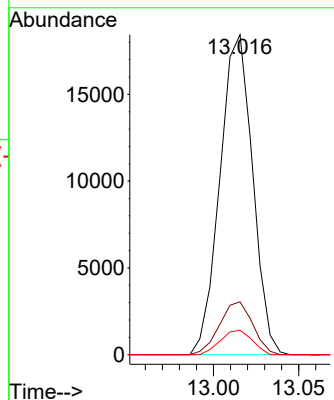
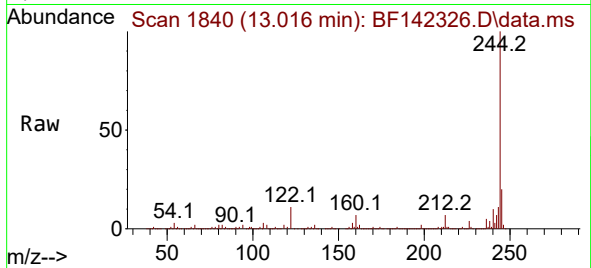




#77
Benzidine
Concen: 3.341 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

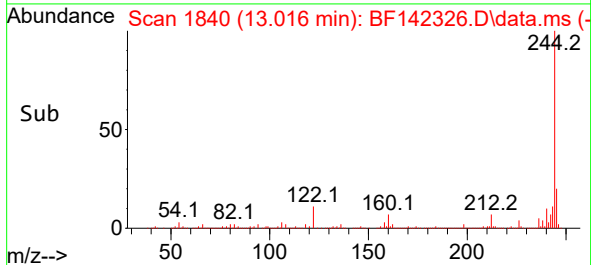
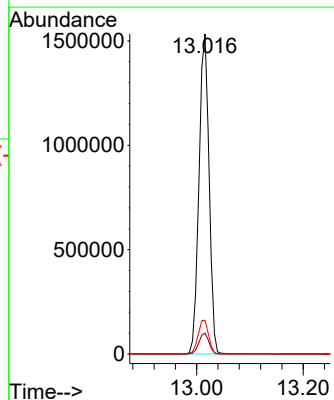
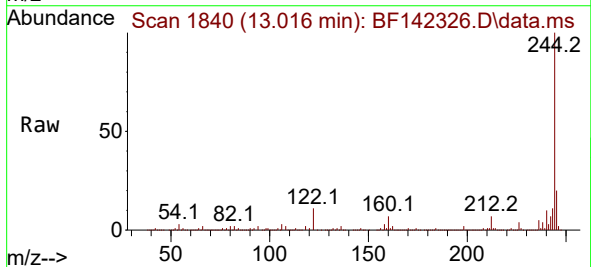
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-11

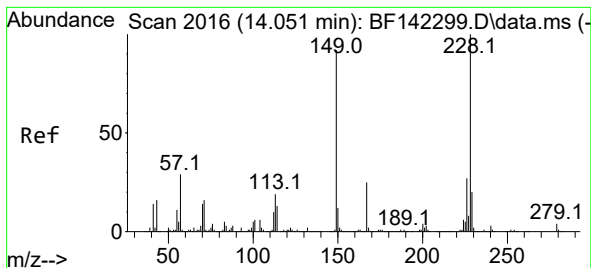
Tgt Ion:184 Resp: 24605
Ion Ratio Lower Upper
184 100
185 16.5 12.6 18.8
183 7.6 8.6 12.8#



#79
Terphenyl-d14
Concen: 73.727 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142326.D
Acq: 12 May 2025 18:07

Tgt Ion:244 Resp: 2018384
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.5 9.0 13.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.274 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142326.D

Acq: 12 May 2025 18:07

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-11

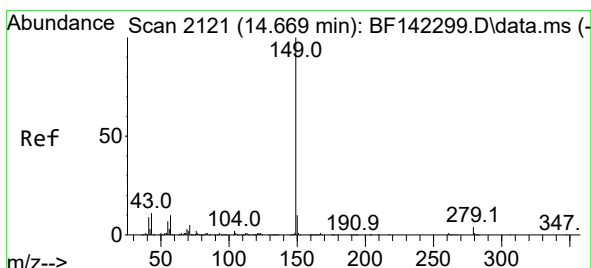
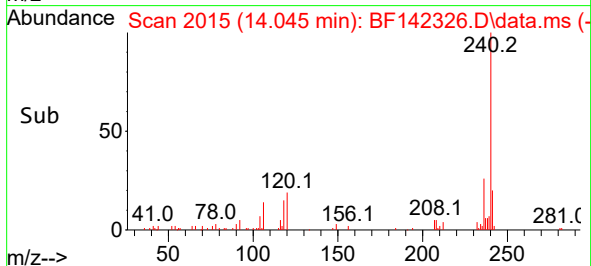
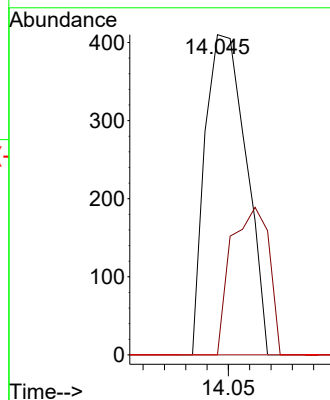
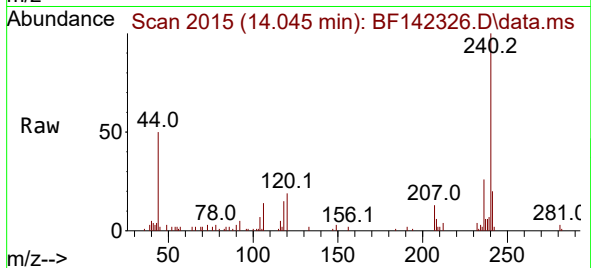
Tgt Ion:149 Resp: 550

Ion Ratio Lower Upper

149 100

167 0.0 22.0 33.0#

279 0.0 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.853 ng

RT: 14.698 min Scan# 2126

Delta R.T. 0.029 min

Lab File: BF142326.D

Acq: 12 May 2025 18:07

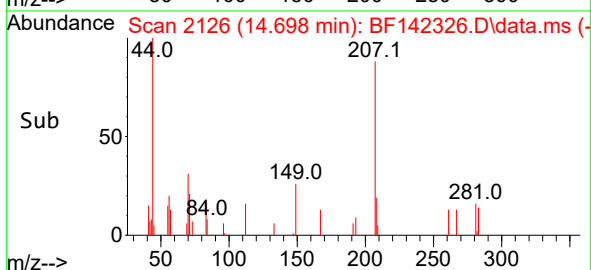
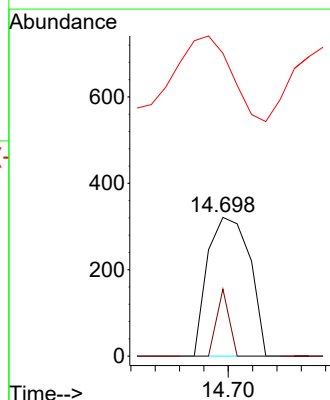
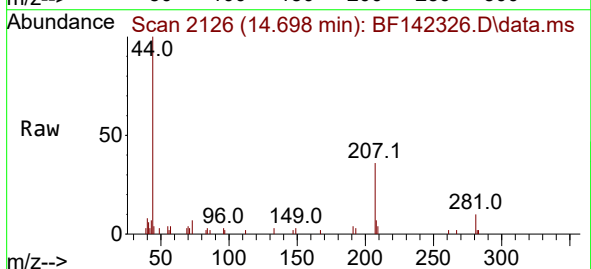
Tgt Ion:149 Resp: 386

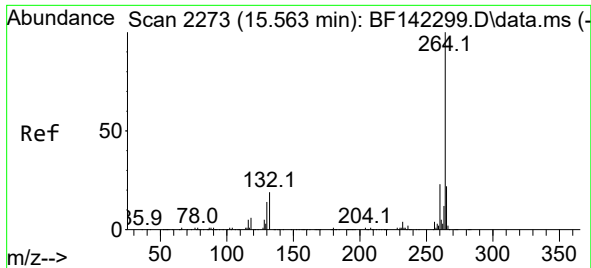
Ion Ratio Lower Upper

149 100

167 14.2 1.1 1.7#

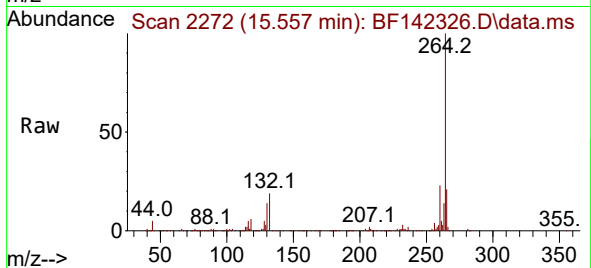
43 124.1 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142326.D
 Acq: 12 May 2025 18:07

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



Tgt Ion:264 Resp: 311311

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.2	17.5	26.3

