

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142316.D
 Acq On : 12 May 2025 13:17
 Operator : RC/JU
 Sample : Q1986-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-10

Quant Time: May 12 13:38:54 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)

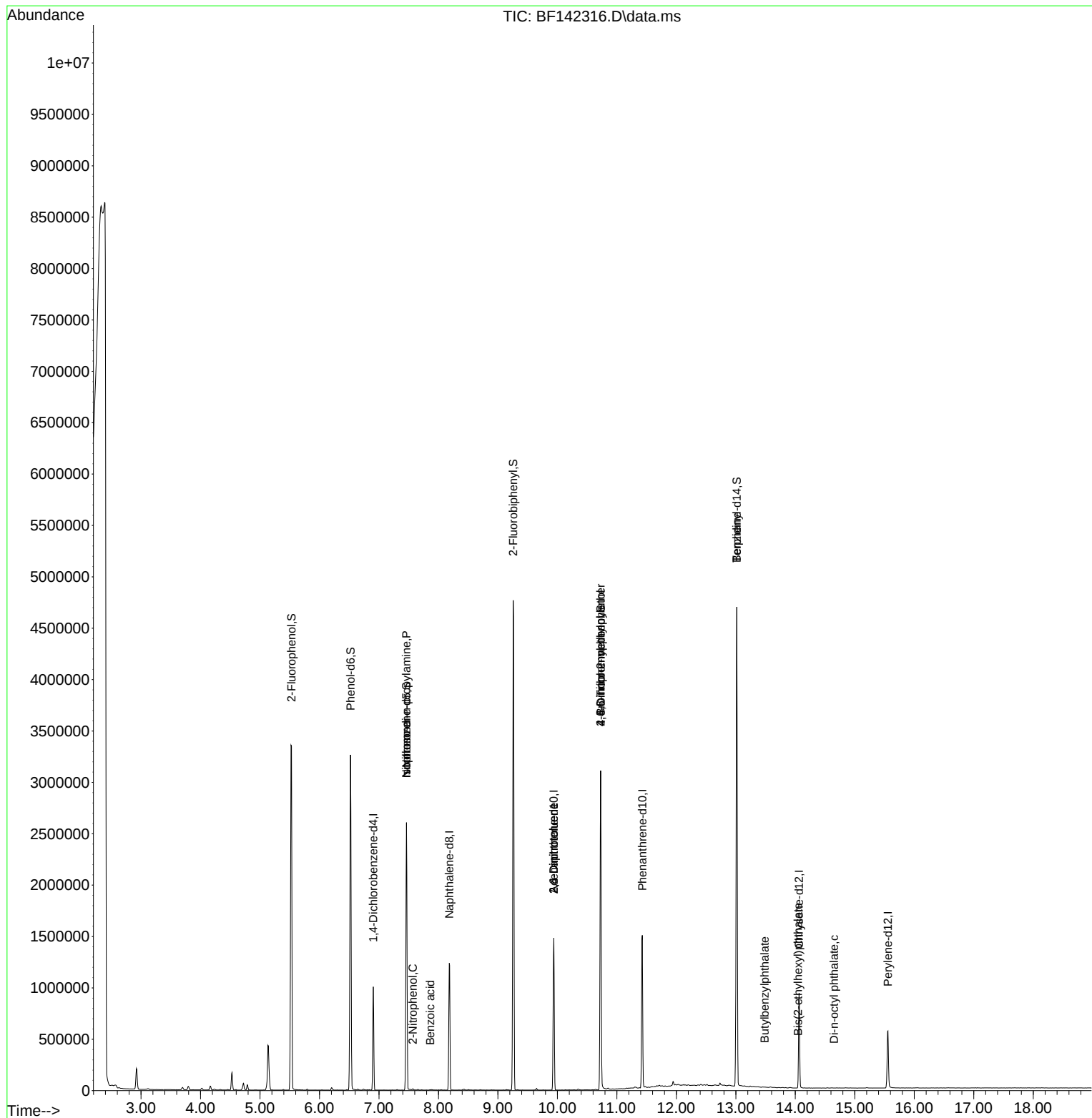
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	208174	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	794587	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	433265	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	772454	20.000	ng	0.00
76) Chrysene-d12	14.063	240	443853	20.000	ng	0.00
86) Perylene-d12	15.557	264	336470	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1396913	114.550	ng	0.02
7) Phenol-d6	6.522	99	1575433	105.039	ng	0.00
23) Nitrobenzene-d5	7.463	82	1081383	83.000	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	571132	136.533	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2232431	73.469	ng	0.00
79) Terphenyl-d14	13.016	244	2324779	77.524	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	144245	15.548	ng	# 78
25) Isophorone	7.463	82	1078591	43.718	ng	# 62
26) 2-Nitrophenol	7.569	139	218	4.121	ng	# 36
32) Benzoic acid	7.863	122	1303	6.215	ng	95
51) 2,6-Dinitrotoluene	9.939	165	55840	10.723	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	55840	8.359	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	1149	7.456	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	34321	3.920	ng	# 1
77) Benzidine	13.016	184	29850	3.701	ng	97
80) Butylbenzylphthalate	13.486	149	213	3.676	ng	# 36
84) Bis(2-ethylhexyl)phtha...	14.045	149	1261	4.314	ng	# 73
85) Di-n-octyl phthalate	14.651	149	492	7.855	ng	# 73

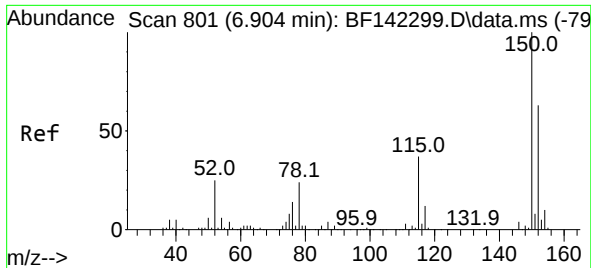
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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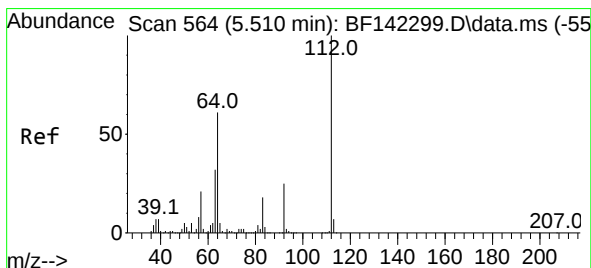
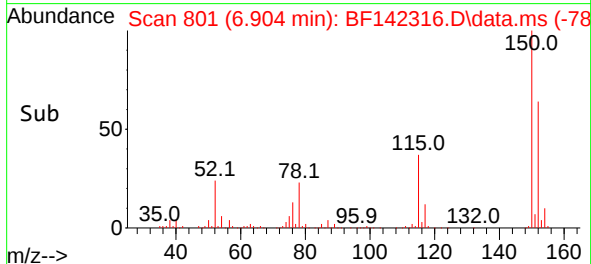
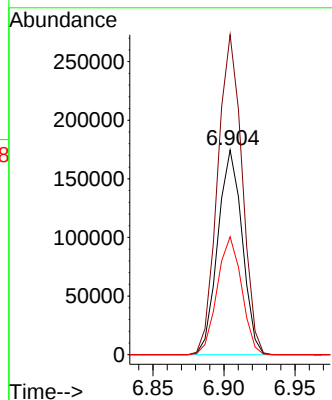
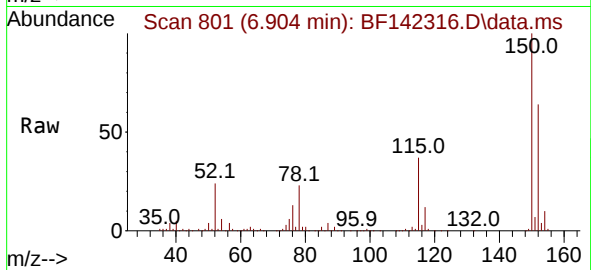




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142316.D
 Acq: 12 May 2025 13:17

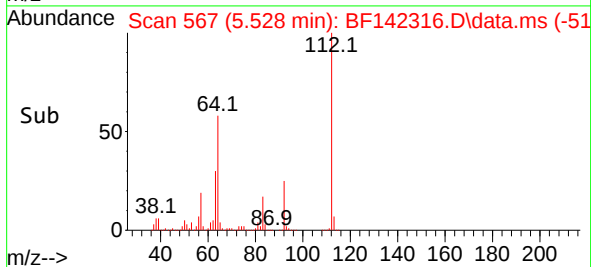
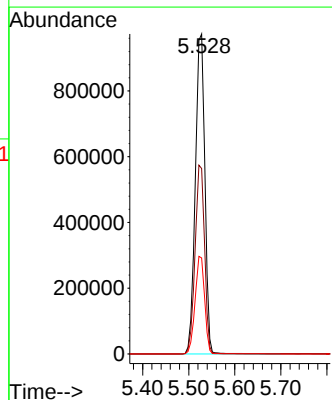
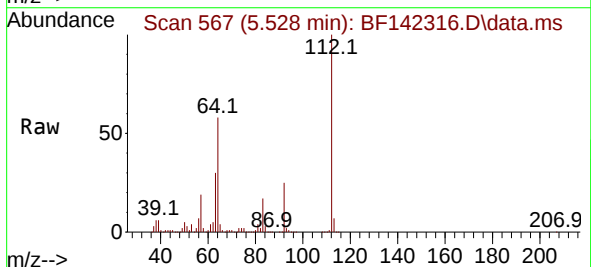
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 COMP-10

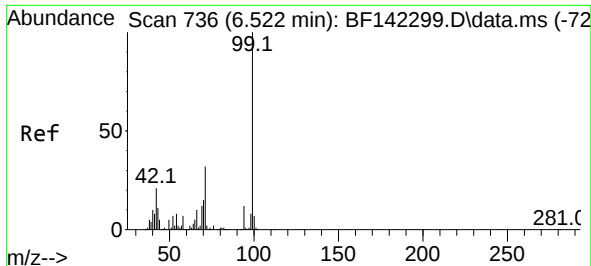
Tgt Ion:152 Resp: 208174
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.6 190.0
 115 57.7 47.3 70.9



#5
 2-Fluorophenol
 Concen: 114.550 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.018 min
 Lab File: BF142316.D
 Acq: 12 May 2025 13:17

Tgt Ion:112 Resp: 1396913
 Ion Ratio Lower Upper
 112 100
 64 58.0 48.9 73.3
 63 30.0 25.6 38.4

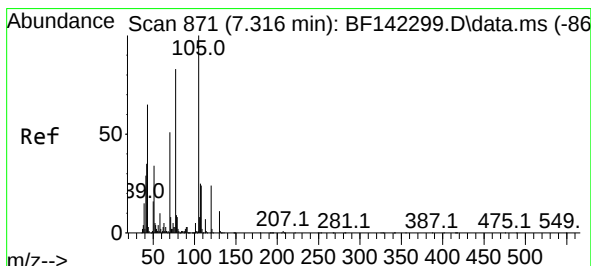
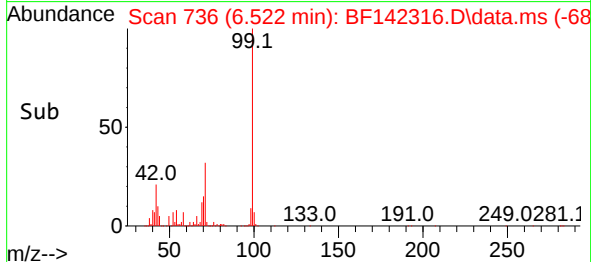
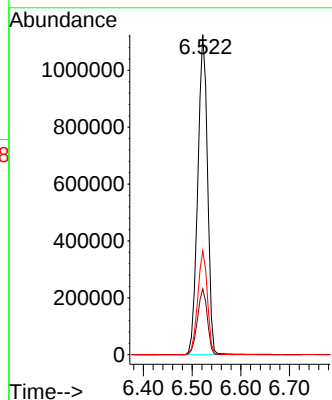
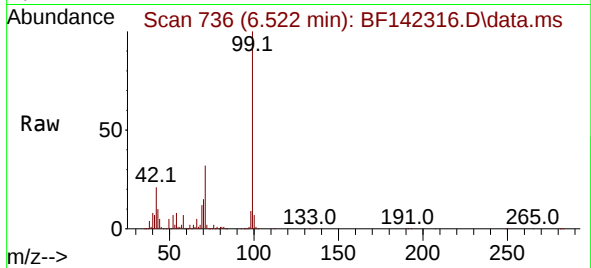




#7
Phenol-d6
Concen: 105.039 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

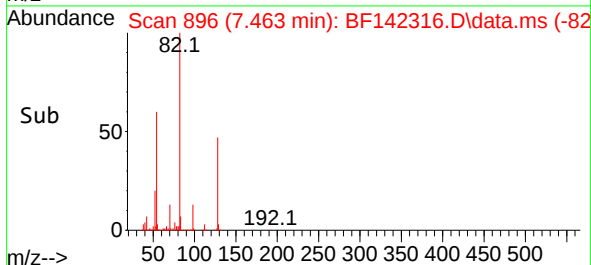
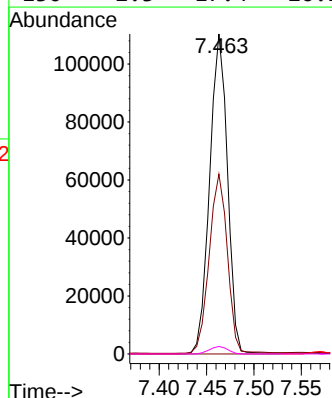
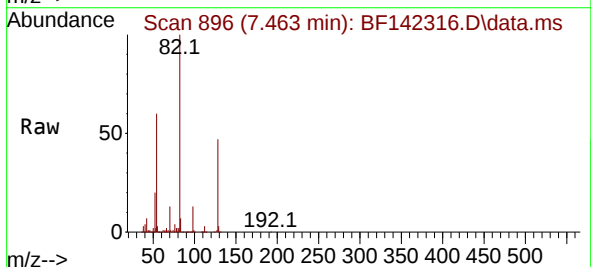
Instrument :
BNA_F
ClientSampleId :
COMP-10

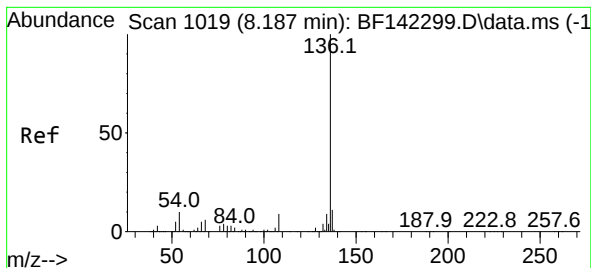
Tgt Ion: 99 Resp: 1575433
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.4
71 32.4 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.548 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

Tgt Ion: 70 Resp: 144245
Ion Ratio Lower Upper
70 100
42 56.2 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 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: BF142316.D

Acq: 12 May 2025 13:17

Instrument :

BNA_F

ClientSampleId :

COMP-10

Tgt Ion:136 Resp: 794587

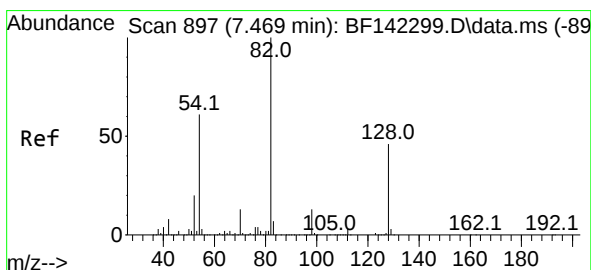
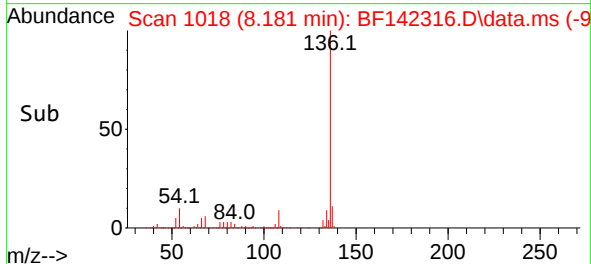
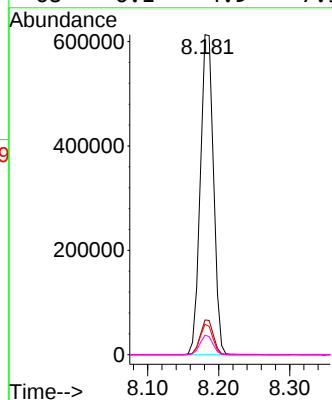
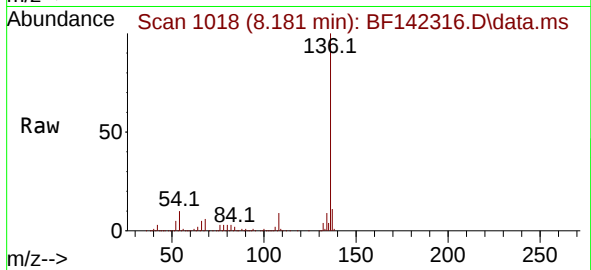
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.5 7.7 11.5

68 6.1 4.9 7.3



#23

Nitrobenzene-d5

Concen: 83.000 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

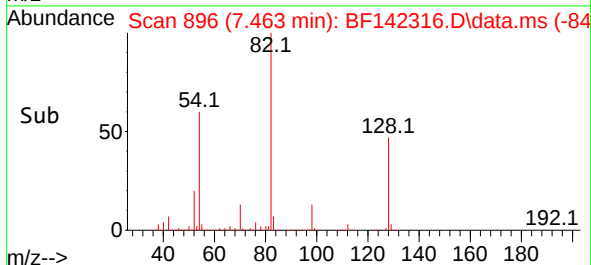
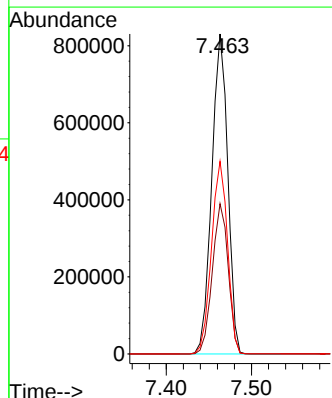
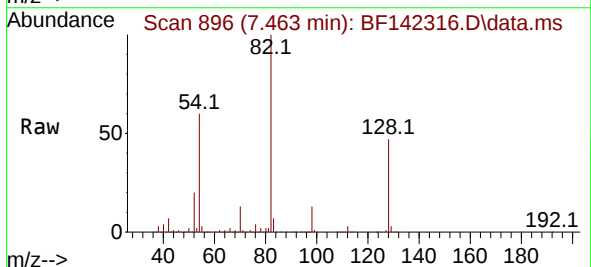
Tgt Ion: 82 Resp: 1081383

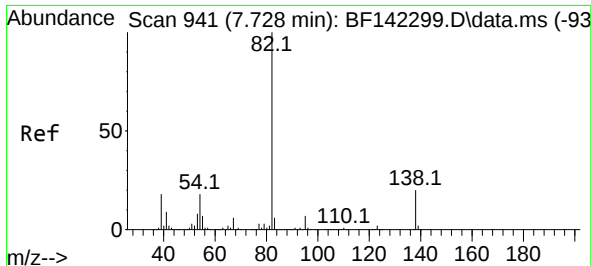
Ion Ratio Lower Upper

82 100

128 46.9 37.0 55.6

54 60.2 48.6 73.0

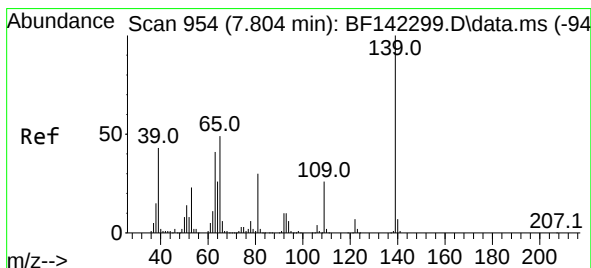
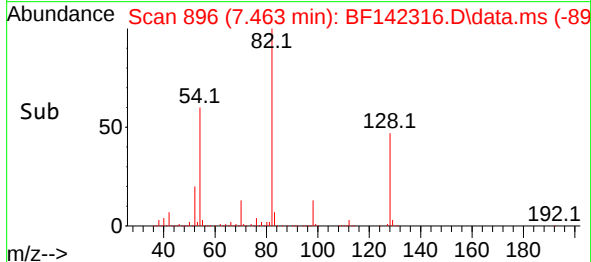
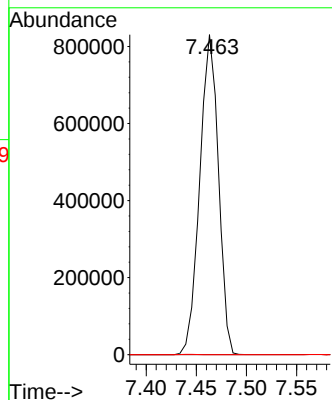
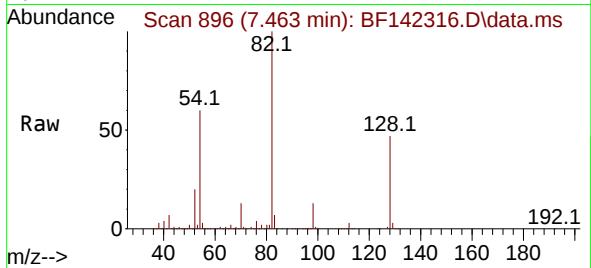




#25
Isophorone
Concen: 43.718 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

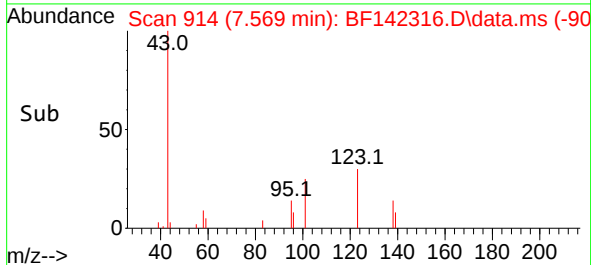
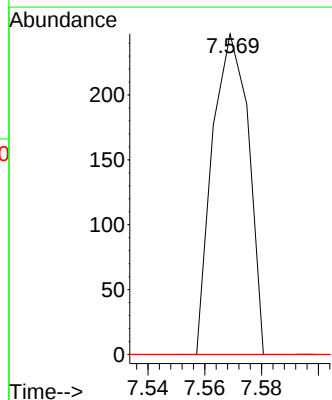
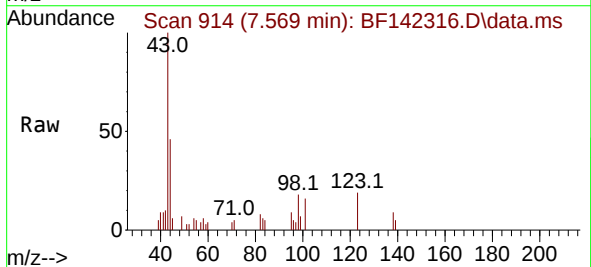
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COMP-10

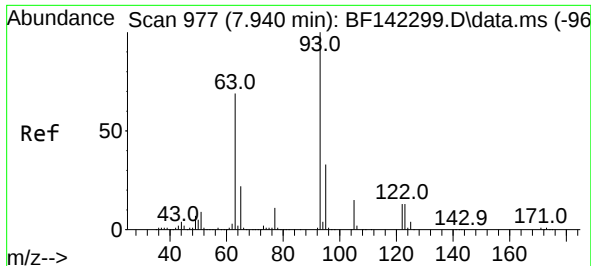
Tgt Ion: 82 Resp: 1078591
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.121 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

Tgt Ion: 139 Resp: 218
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

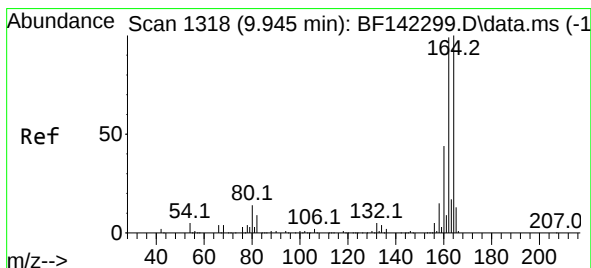
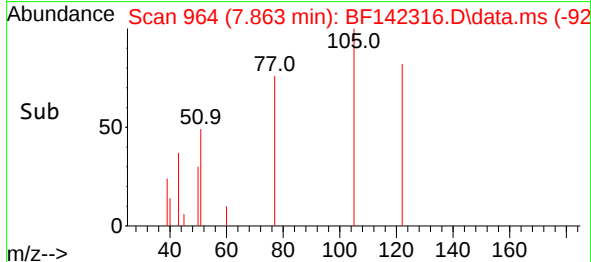
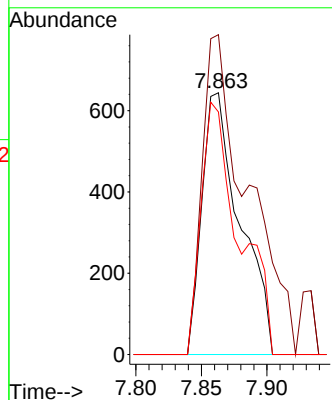
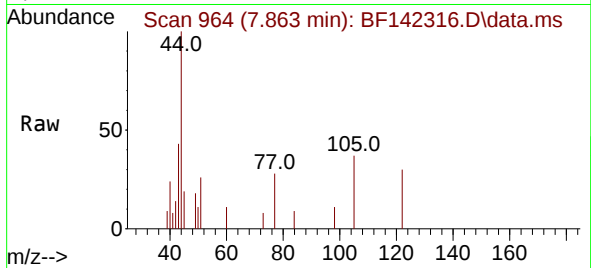




#32
Benzoic acid
Concen: 6.215 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.077 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

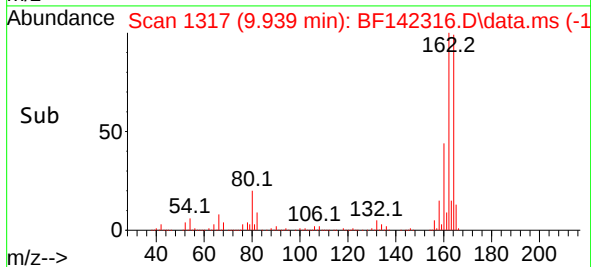
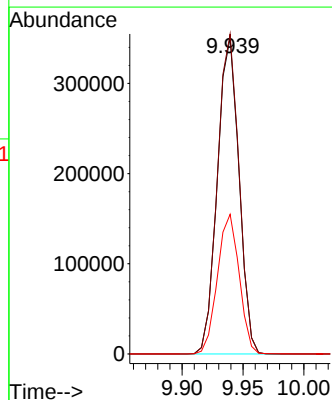
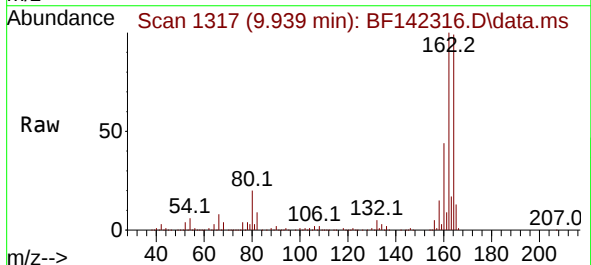
Instrument :
BNA_F
ClientSampleId :
COMP-10

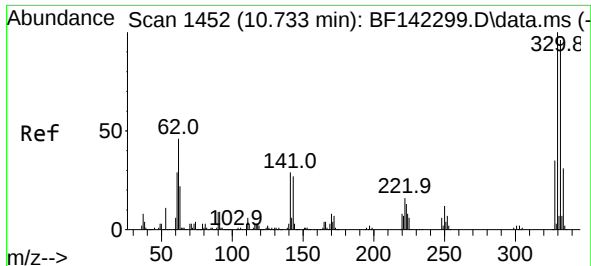
Tgt Ion:122 Resp: 1303
Ion Ratio Lower Upper
122 100
105 122.2 97.9 137.9
77 92.7 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

Tgt Ion:164 Resp: 433265
Ion Ratio Lower Upper
164 100
162 101.3 79.2 118.8
160 44.2 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 136.533 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

Instrument :

BNA_F

ClientSampleId :

COMP-10

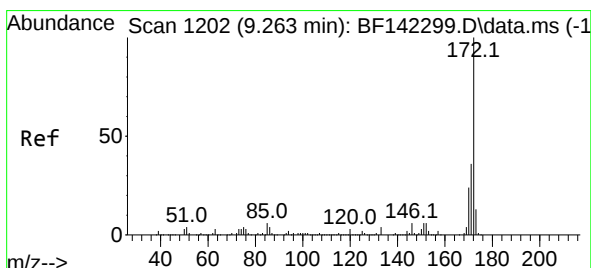
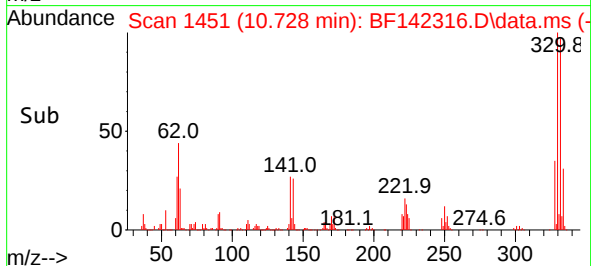
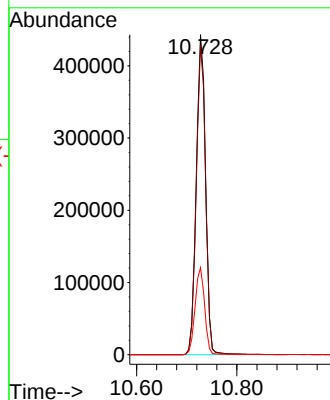
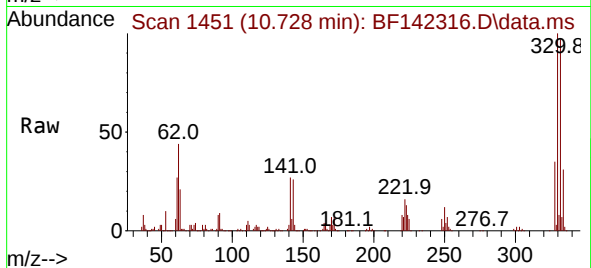
Tgt Ion:330 Resp: 571132

Ion Ratio Lower Upper

330 100

332 96.9 76.8 115.2

141 28.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 73.469 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

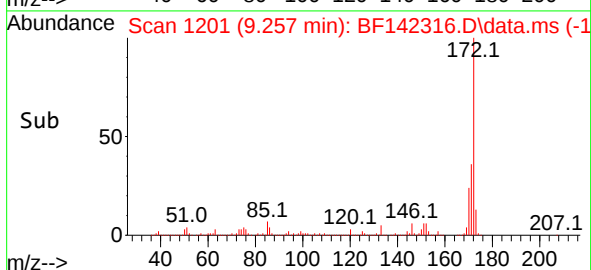
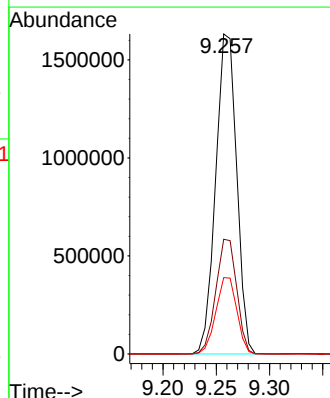
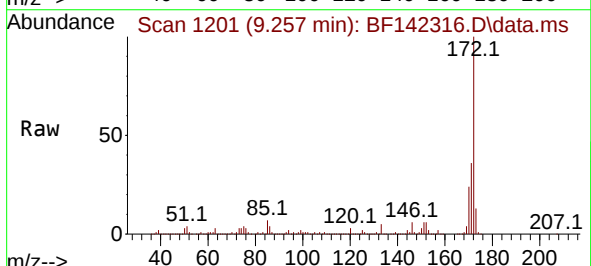
Tgt Ion:172 Resp: 2232431

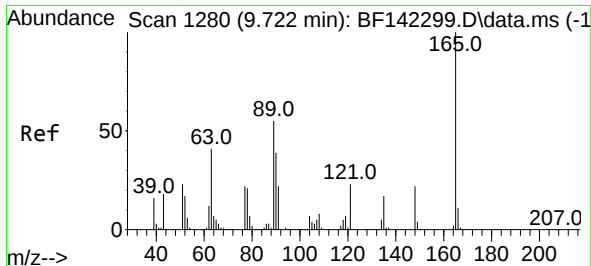
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.9 19.0 28.4

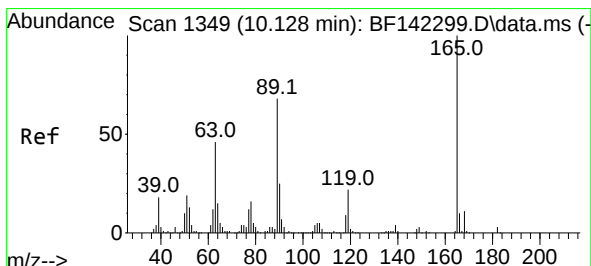
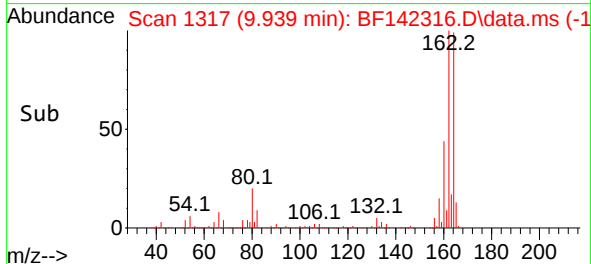
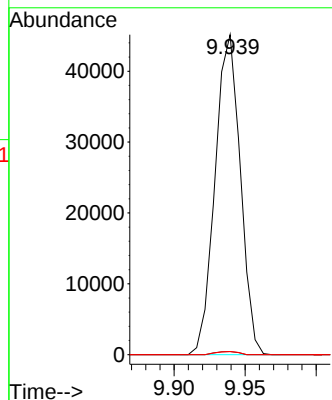
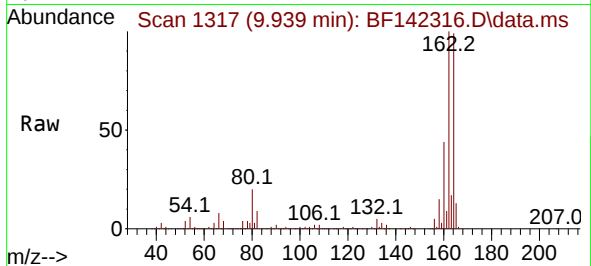




#51
2,6-Dinitrotoluene
Concen: 10.723 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

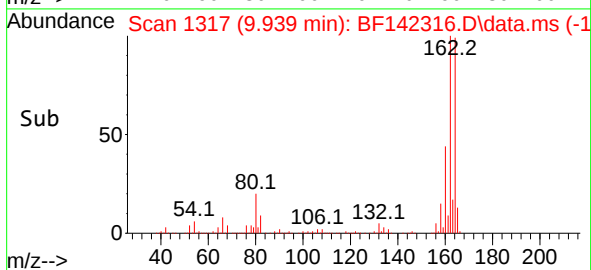
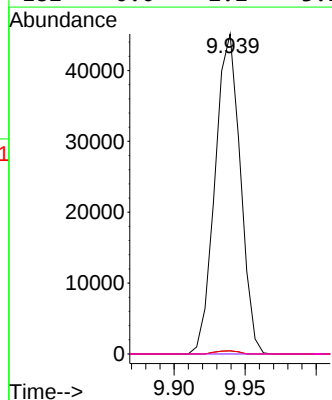
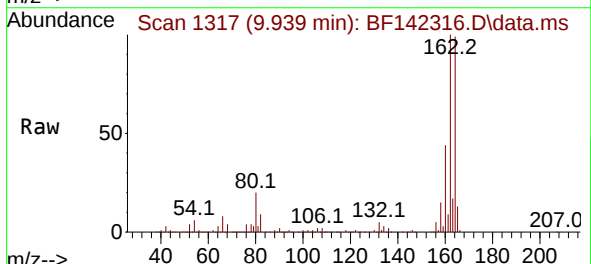
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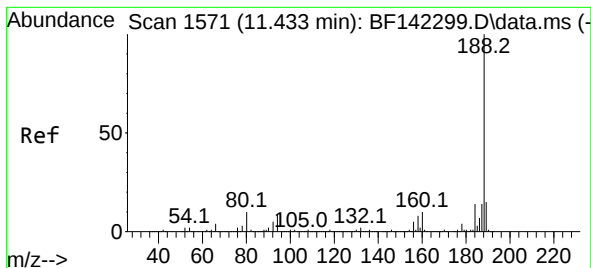
Tgt Ion:165 Resp: 55840
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.359 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

Tgt Ion:165 Resp: 55840
Ion Ratio Lower Upper
165 100
63 0.9 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: BF142316.D

Acq: 12 May 2025 13:17

Instrument :

BNA_F

ClientSampleId :

COMP-10

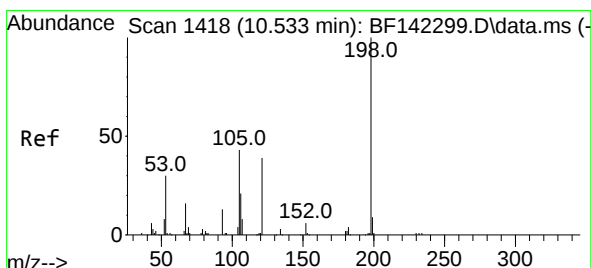
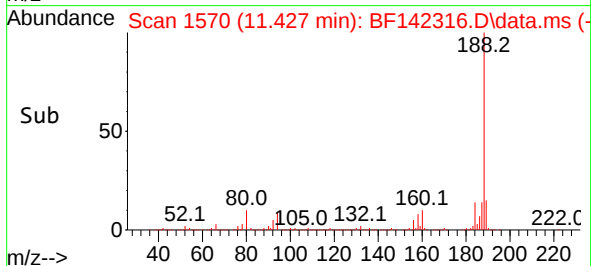
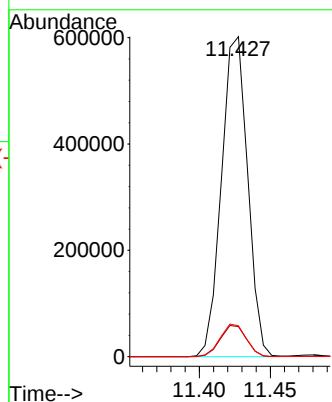
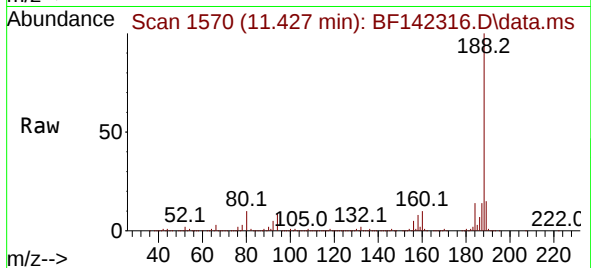
Tgt Ion:188 Resp: 772454

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: 7.456 ng

RT: 10.728 min Scan# 1451

Delta R.T. 0.195 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

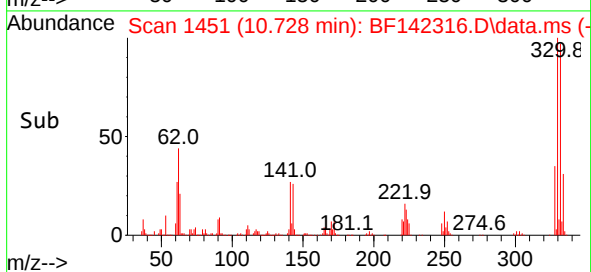
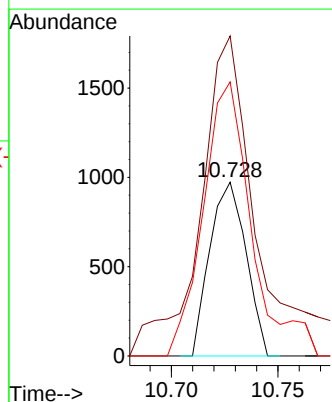
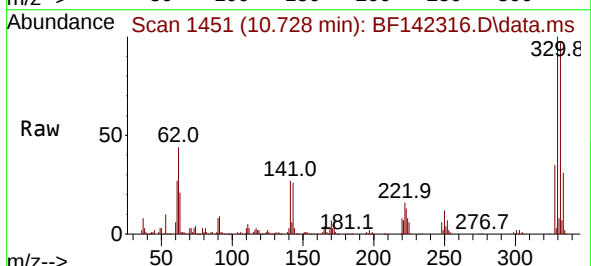
Tgt Ion:198 Resp: 1149

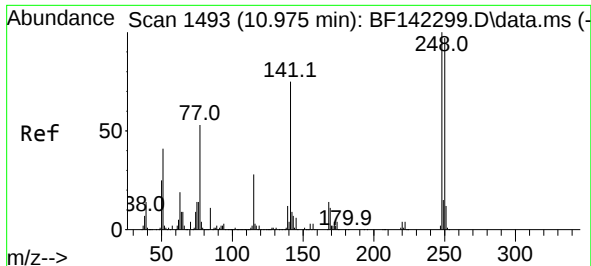
Ion Ratio Lower Upper

198 100

51 184.2 32.9 72.9#

105 157.8 23.7 63.7#

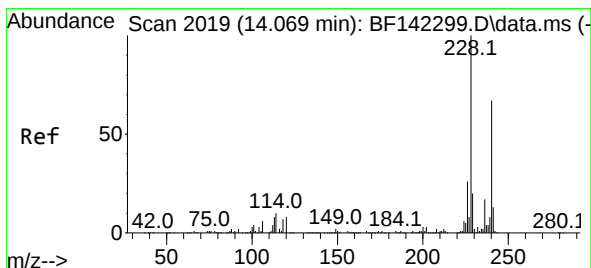
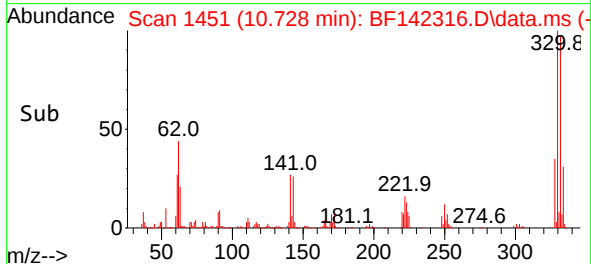
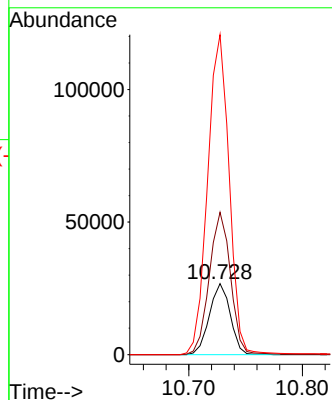
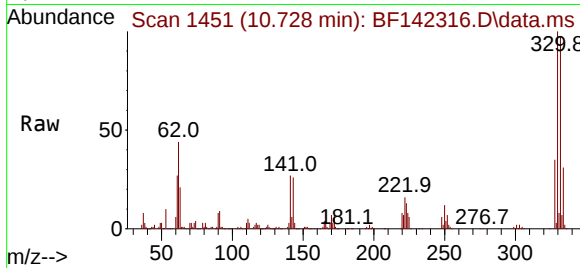




#67
4-Bromophenyl-phenylether
Concen: 3.920 ng
RT: 10.728 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

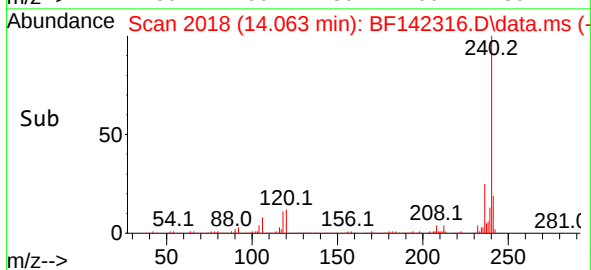
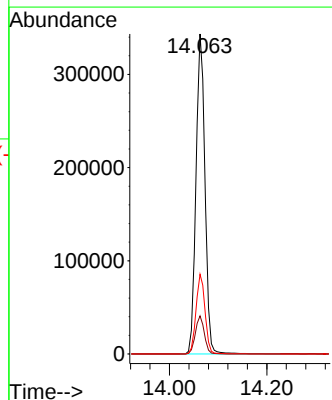
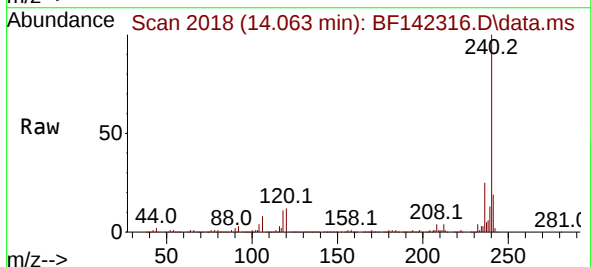
Instrument :
BNA_F
ClientSampleId :
COMP-10

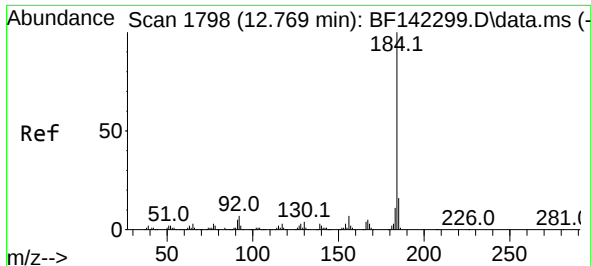
Tgt Ion:248 Resp: 34321
Ion Ratio Lower Upper
248 100
250 200.2 77.9 116.9#
141 450.0 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

Tgt Ion:240 Resp: 443853
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 24.9 20.0 30.0

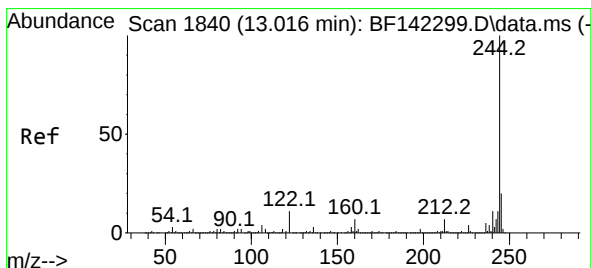
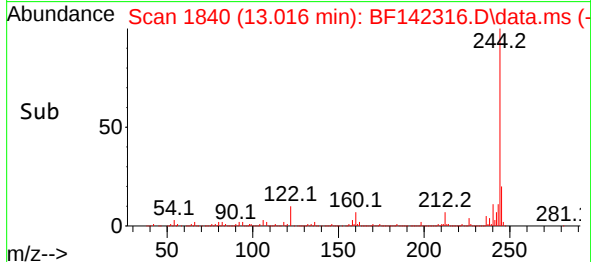
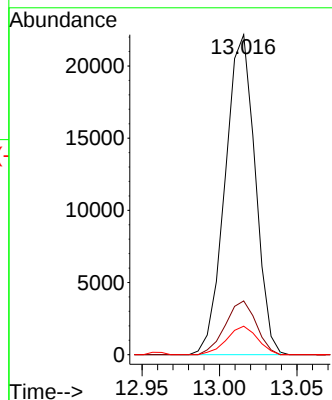
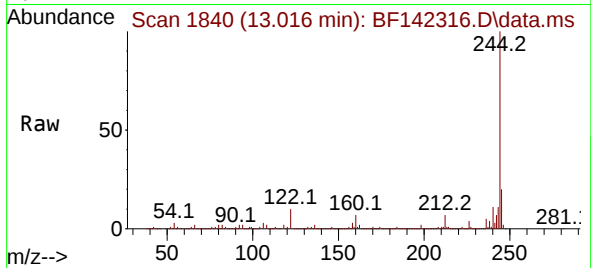




#77
Benzidine
Concen: 3.701 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

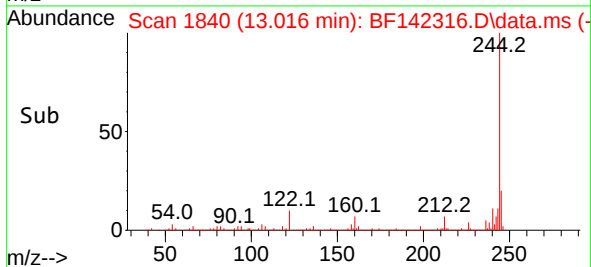
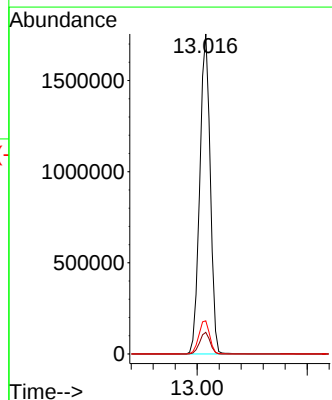
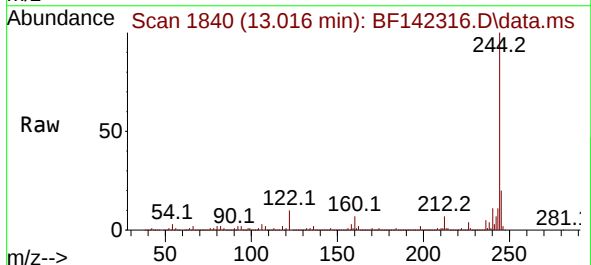
Instrument :
BNA_F
ClientSampleId :
COMP-10

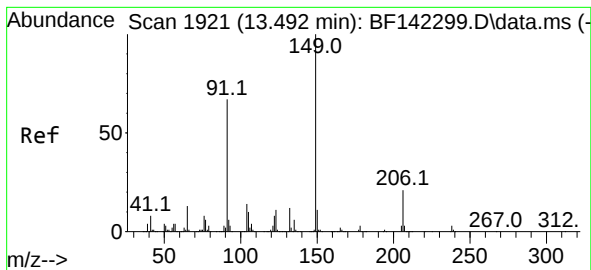
Tgt Ion:184 Resp: 29850
Ion Ratio Lower Upper
184 100
185 16.8 12.6 18.8
183 8.9 8.6 12.8



#79
Terphenyl-d14
Concen: 77.524 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142316.D
Acq: 12 May 2025 13:17

Tgt Ion:244 Resp: 2324779
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.4 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.676 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

Instrument :

BNA_F

ClientSampleId :

COMP-10

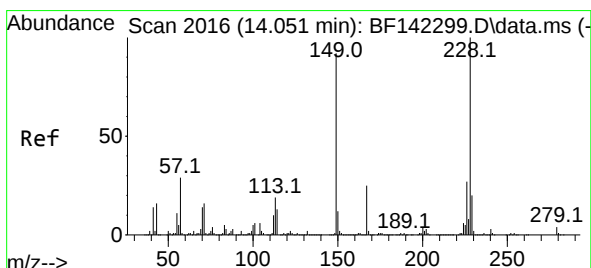
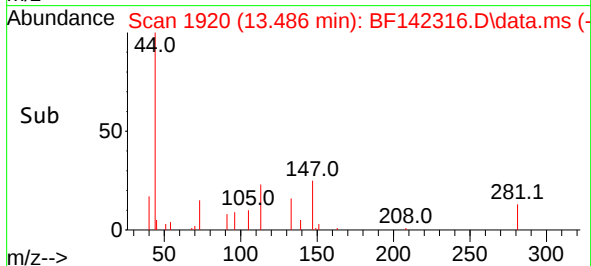
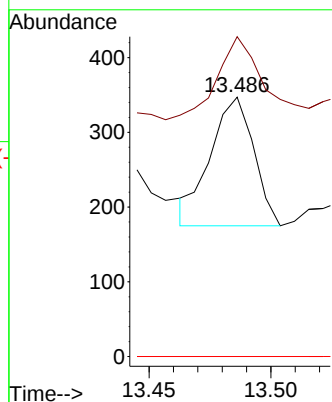
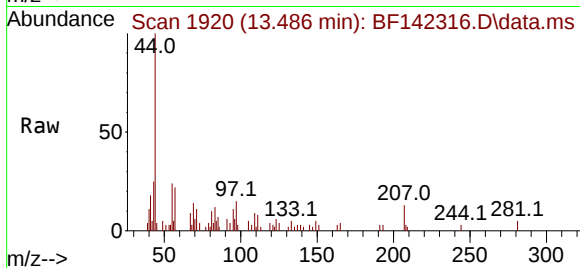
Tgt Ion:149 Resp: 213

Ion Ratio Lower Upper

149 100

91 123.3 53.8 80.6#

206 0.0 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.314 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

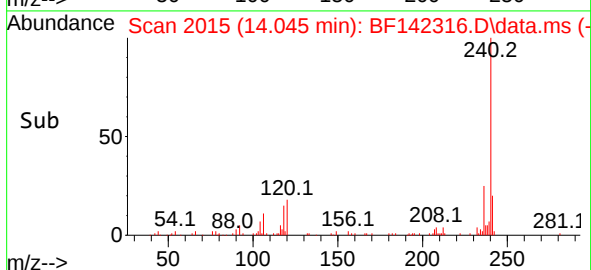
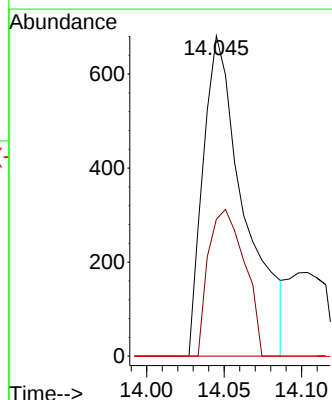
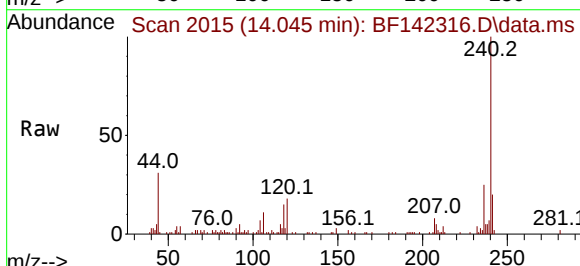
Tgt Ion:149 Resp: 1261

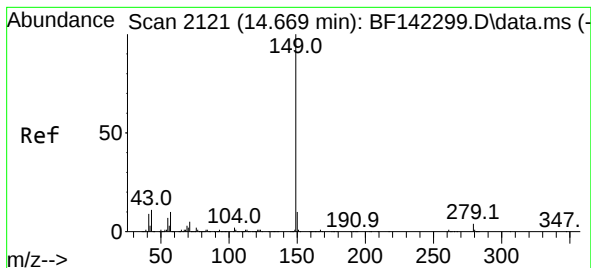
Ion Ratio Lower Upper

149 100

167 42.7 22.0 33.0#

279 0.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.855 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF142316.D

Acq: 12 May 2025 13:17

Instrument :

BNA_F

ClientSampleId :

COMP-10

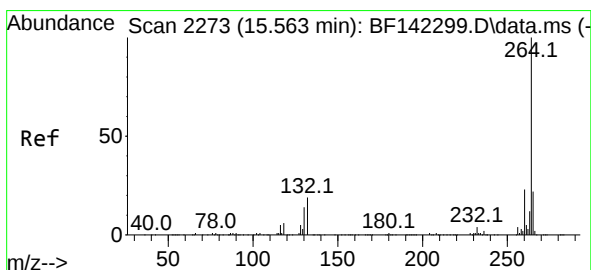
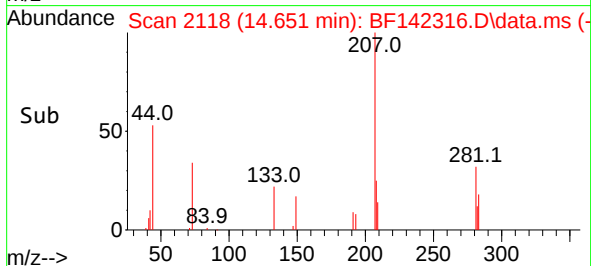
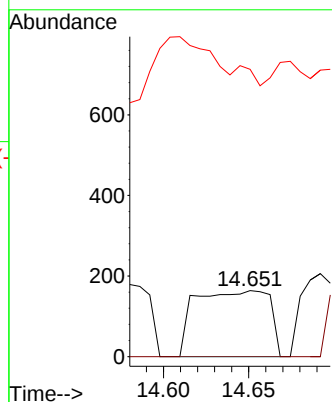
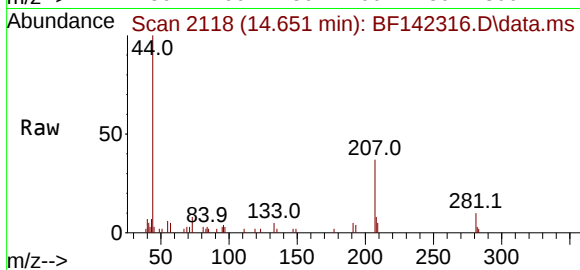
Tgt Ion:149 Resp: 492

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: BF142316.D

Acq: 12 May 2025 13:17

Tgt Ion:264 Resp: 336470

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.4 17.5 26.3

