

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142315.D
 Acq On : 12 May 2025 12:48
 Operator : RC/JU
 Sample : Q1986-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-9

Quant Time: May 12 13:15:43 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)

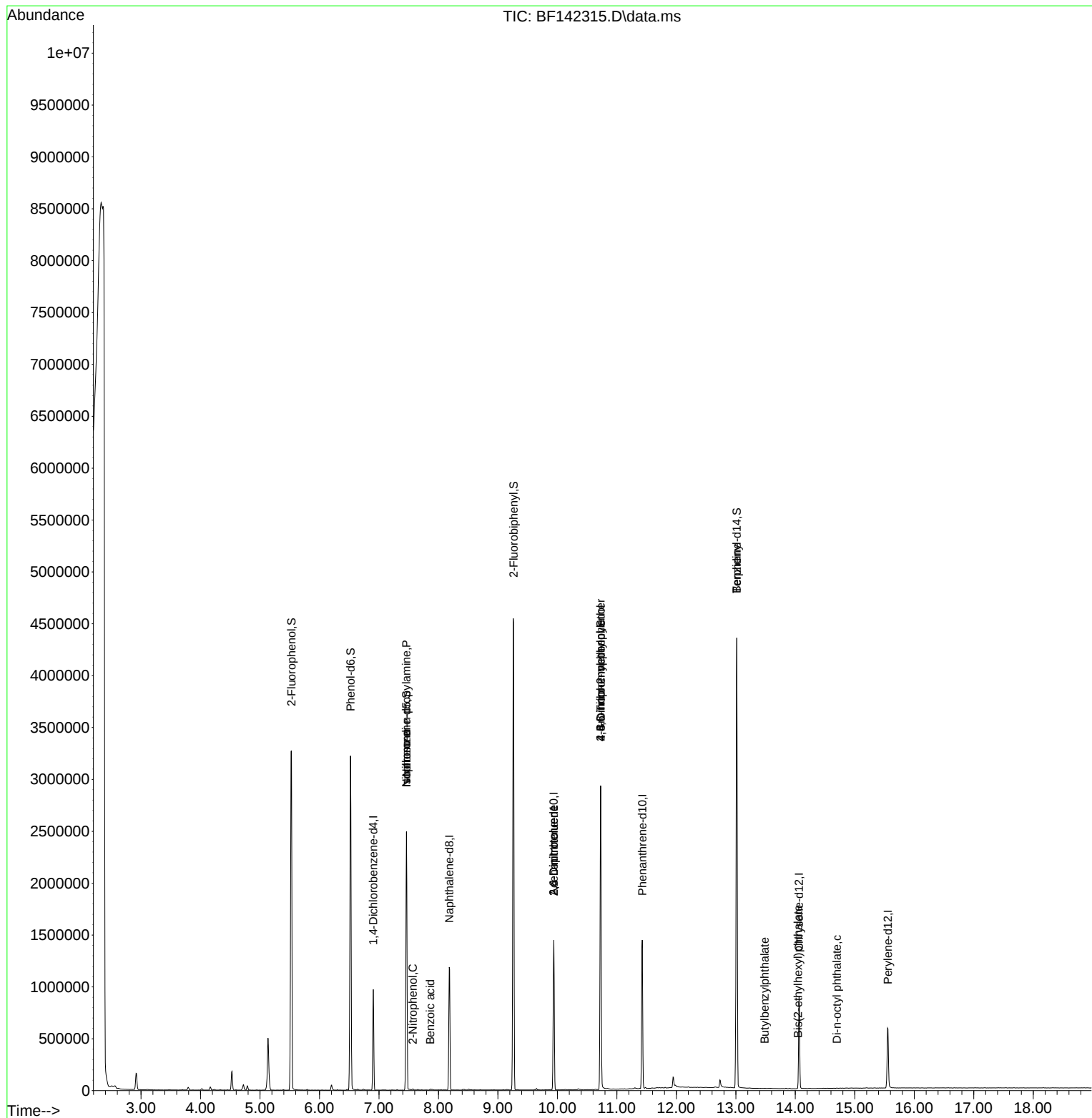
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	200575	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	755979	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	420653	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	736874	20.000	ng	0.00
76) Chrysene-d12	14.062	240	433568	20.000	ng	0.00
86) Perylene-d12	15.556	264	350728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1342599	114.267	ng	0.02
7) Phenol-d6	6.522	99	1547016	107.052	ng	0.00
23) Nitrobenzene-d5	7.463	82	1035710	83.554	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	532986	131.234	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2138685	72.494	ng	0.00
79) Terphenyl-d14	13.015	244	2193044	74.866	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	137847	15.421	ng	# 78
25) Isophorone	7.463	82	1033392	44.025	ng	# 62
26) 2-Nitrophenol	7.569	139	58	4.097	ng	# 36
32) Benzoic acid	7.863	122	3141	6.522	ng	# 99
51) 2,6-Dinitrotoluene	9.939	165	54554	10.790	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	54554	8.412	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.727	198	1041	7.443	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	32505	3.892	ng	# 1
77) Benzidine	13.015	184	28129	3.570	ng	# 97
80) Butylbenzylphthalate	13.486	149	478	3.698	ng	# 21
84) Bis(2-ethylhexyl)phtha...	14.045	149	1446	4.327	ng	# 92
85) Di-n-octyl phthalate	14.698	149	279	7.849	ng	# 73

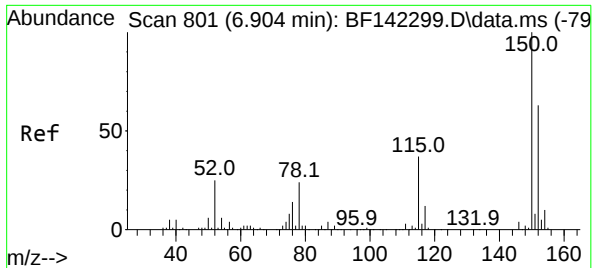
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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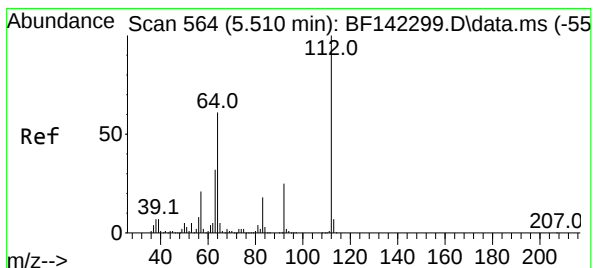
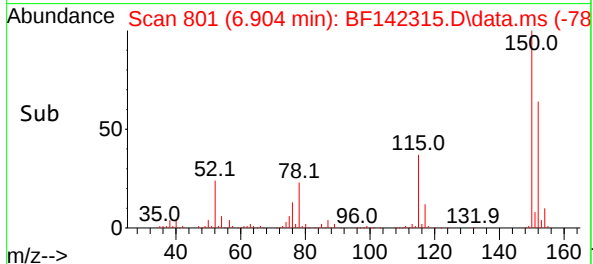
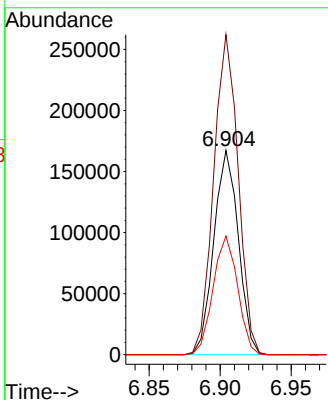
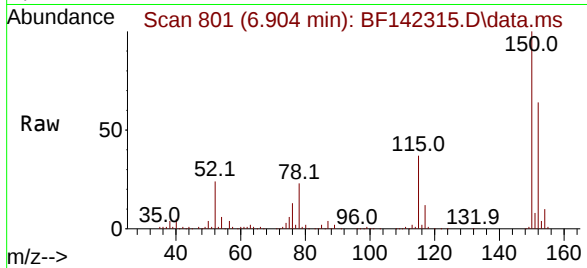




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142315.D
 Acq: 12 May 2025 12:48

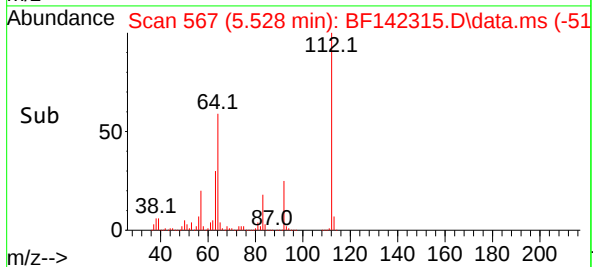
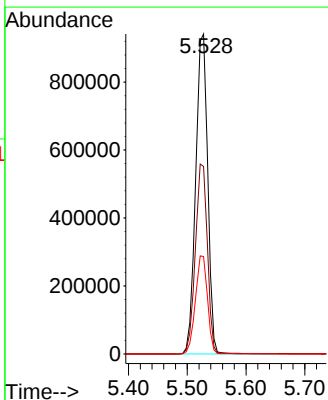
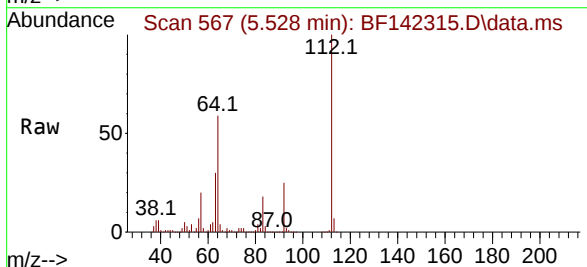
Instrument :
 BNA_F
 ClientSampleId :
 COMP-9

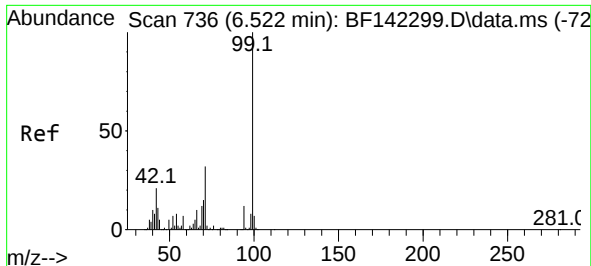
Tgt Ion:152 Resp: 200575
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.6 190.0
 115 58.1 47.3 70.9



#5
 2-Fluorophenol
 Concen: 114.267 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.017 min
 Lab File: BF142315.D
 Acq: 12 May 2025 12:48

Tgt Ion:112 Resp: 1342599
 Ion Ratio Lower Upper
 112 100
 64 58.6 48.9 73.3
 63 30.4 25.6 38.4

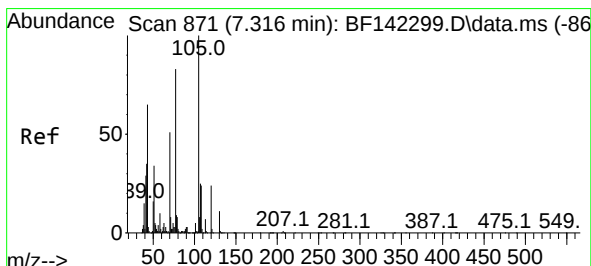
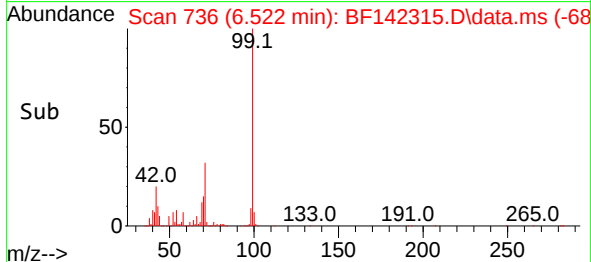
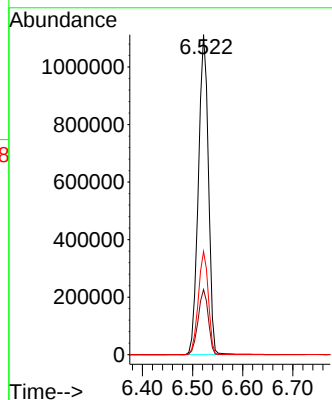
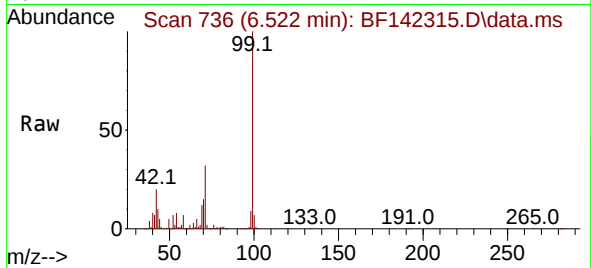




#7
Phenol-d6
Concen: 107.052 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

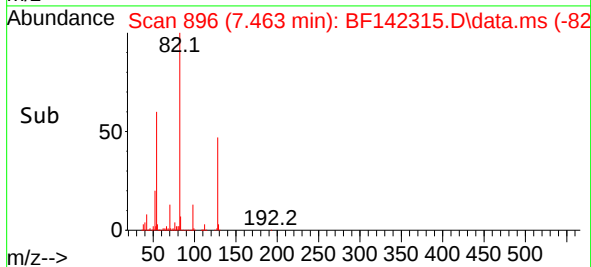
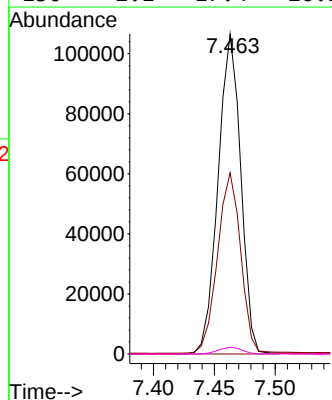
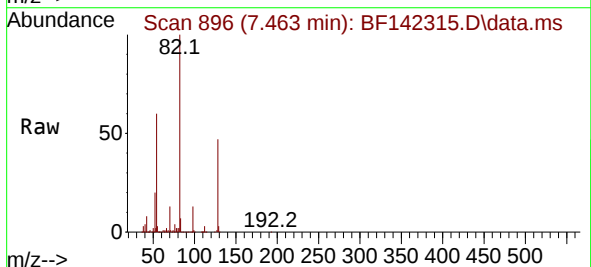
Instrument :
BNA_F
ClientSampleId :
COMP-9

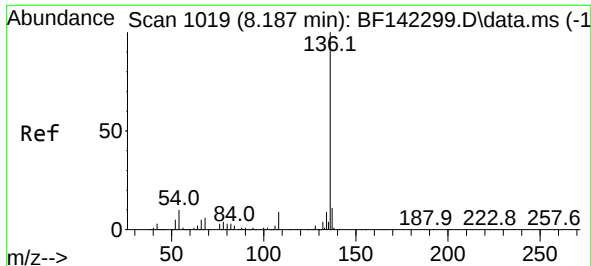
Tgt Ion: 99 Resp: 1547016
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.3 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.421 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

Tgt Ion: 70 Resp: 137847
Ion Ratio Lower Upper
70 100
42 56.6 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.180 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

Instrument :

BNA_F

ClientSampleId :

COMP-9

Tgt Ion:136 Resp: 755979

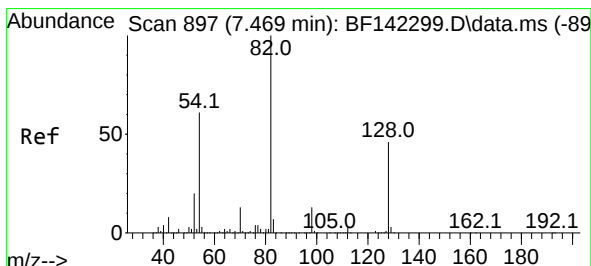
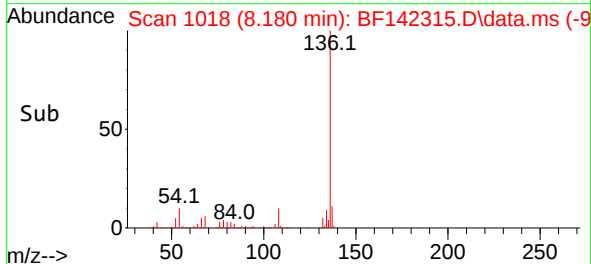
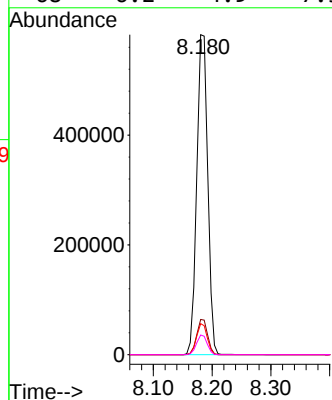
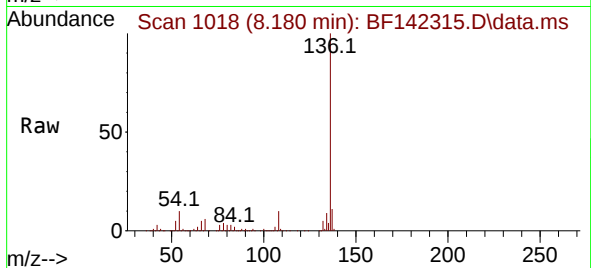
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.7 7.7 11.5

68 6.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 83.554 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

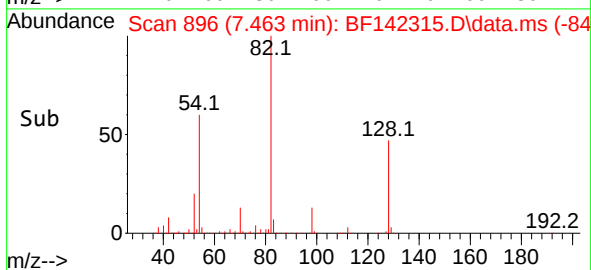
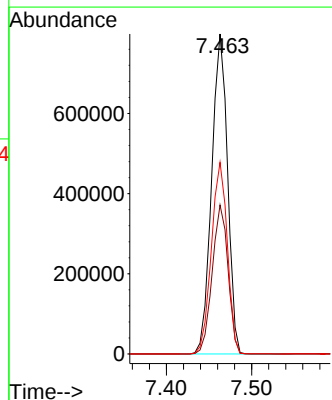
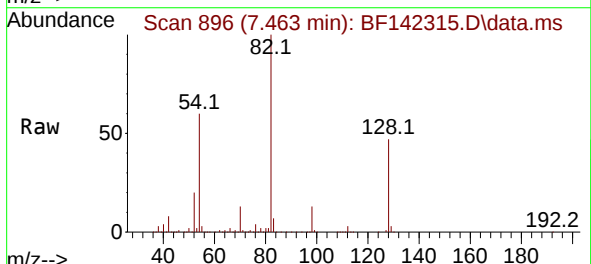
Tgt Ion: 82 Resp: 1035710

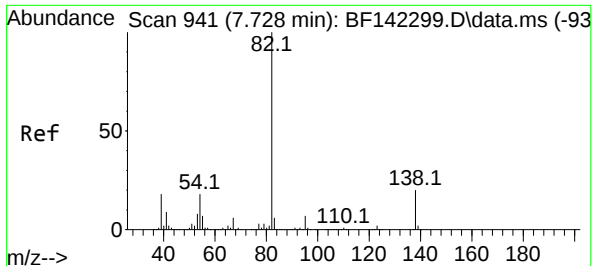
Ion Ratio Lower Upper

82 100

128 46.5 37.0 55.6

54 59.9 48.6 73.0

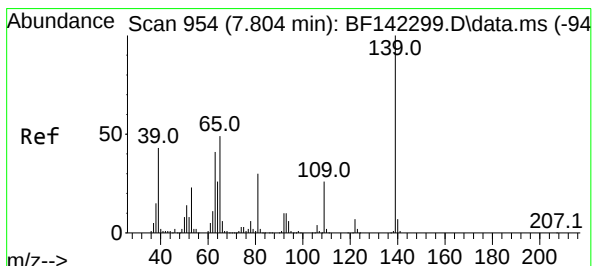
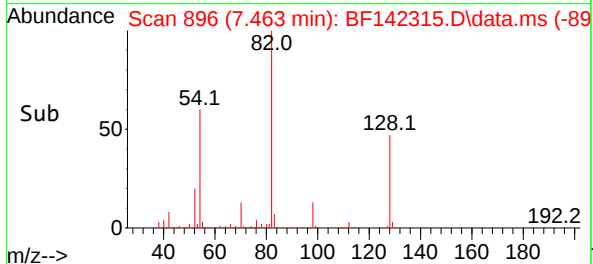
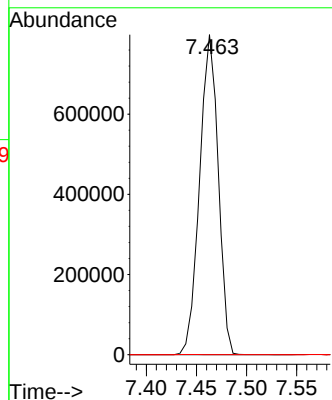
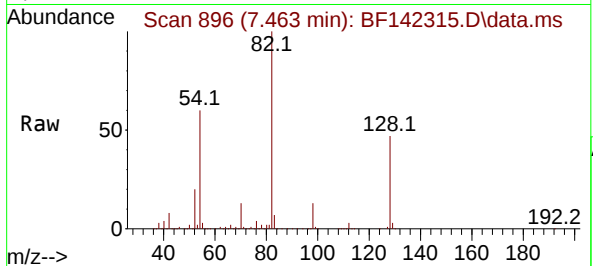




#25
Isophorone
Concen: 44.025 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

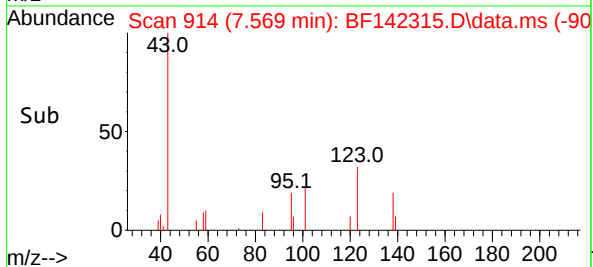
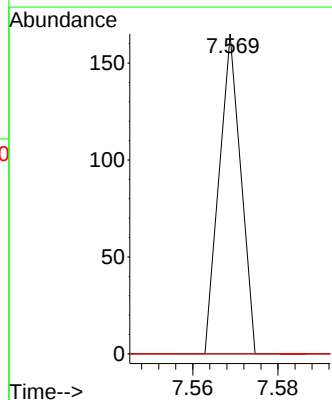
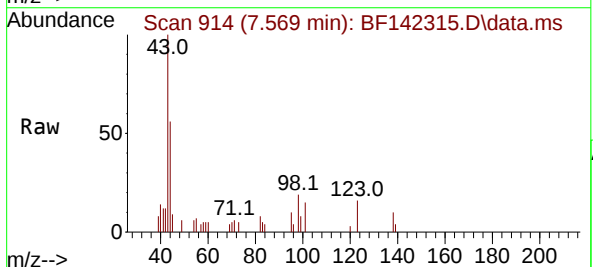
Instrument :
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ClientSampleId :
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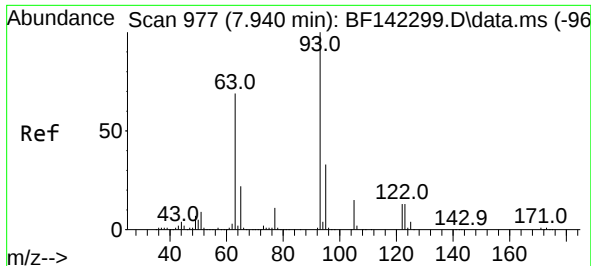
Tgt Ion: 82 Resp: 1033392
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.097 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

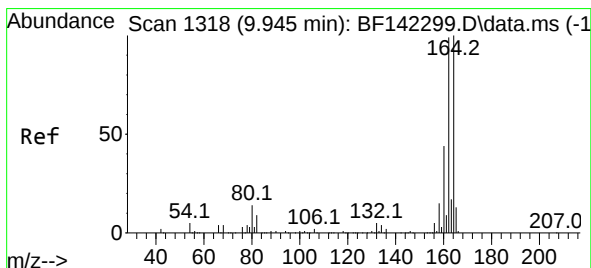
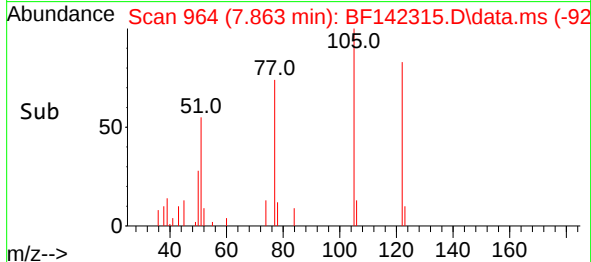
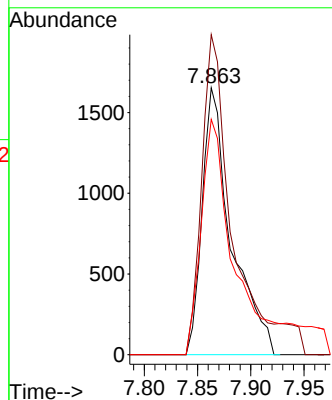
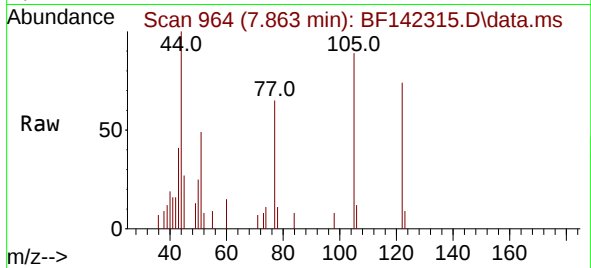




#32
Benzoic acid
Concen: 6.522 ng
RT: 7.863 min Scan# 90
Delta R.T. -0.077 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

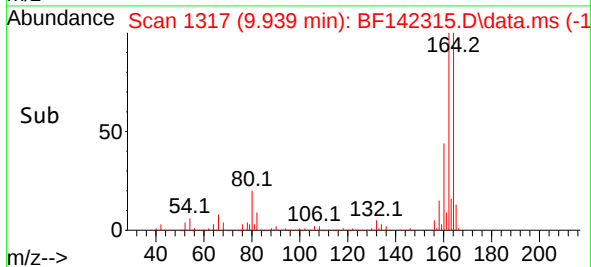
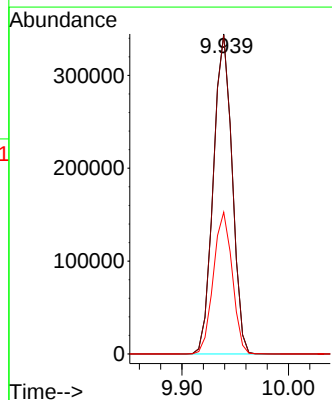
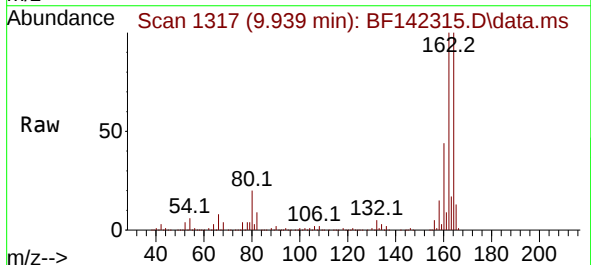
Instrument :
BNA_F
ClientSampleId :
COMP-9

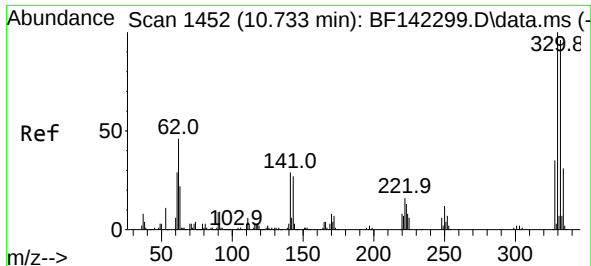
Tgt Ion:122 Resp: 3141
Ion Ratio Lower Upper
122 100
105 119.9 97.9 137.9
77 88.2 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

Tgt Ion:164 Resp: 420653
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 44.3 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 131.234 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142315.D

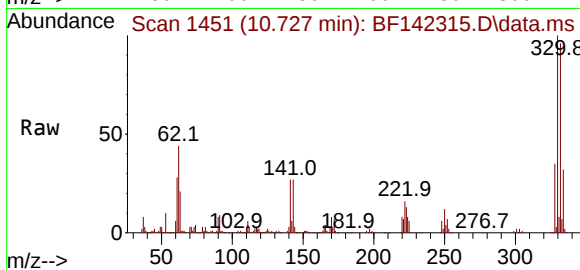
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Instrument :

BNA_F

ClientSampleId :

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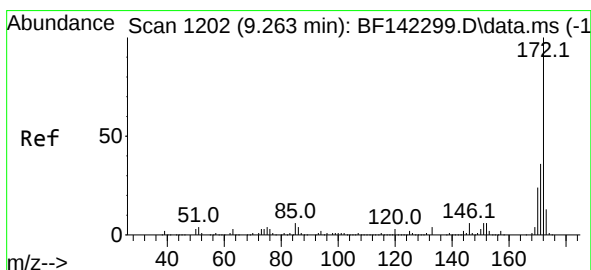
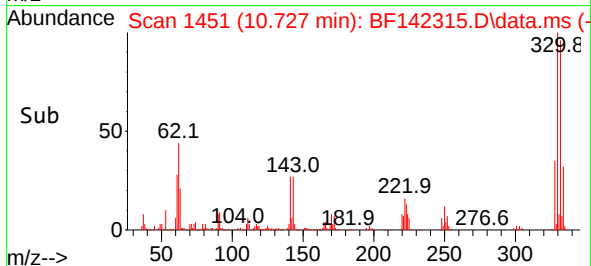
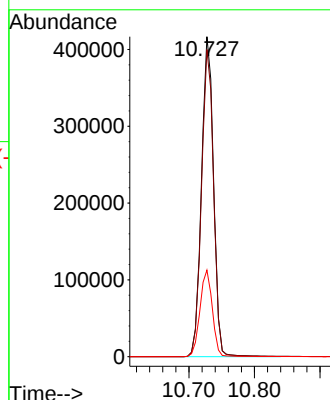
Tgt Ion:330 Resp: 532986

Ion Ratio Lower Upper

330 100

332 96.4 76.8 115.2

141 27.9 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 72.494 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

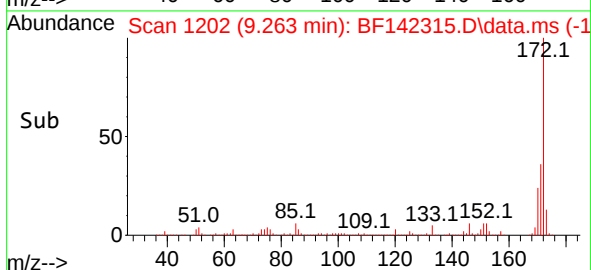
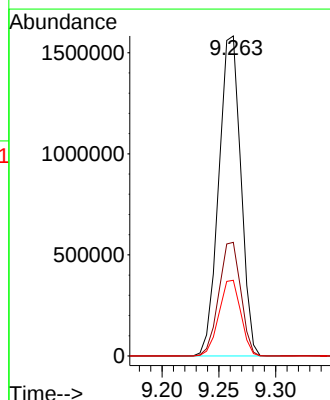
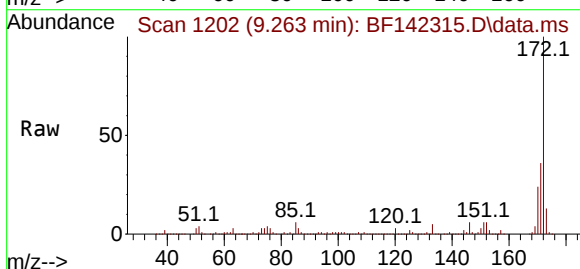
Tgt Ion:172 Resp: 2138685

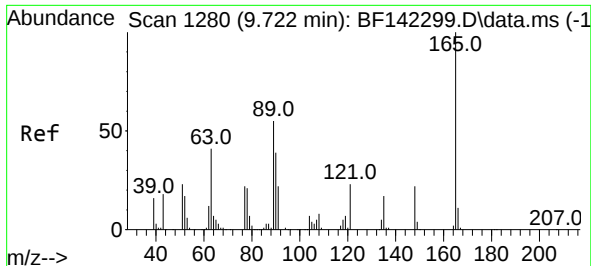
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.6 19.0 28.4

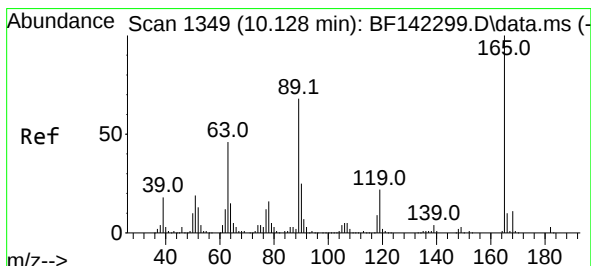
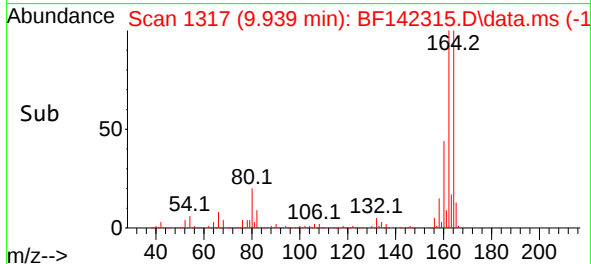
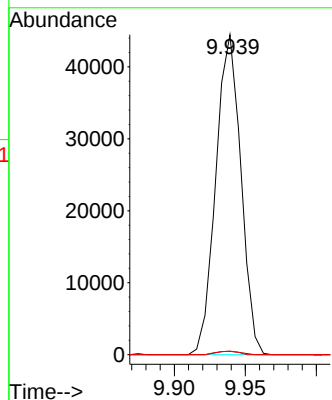
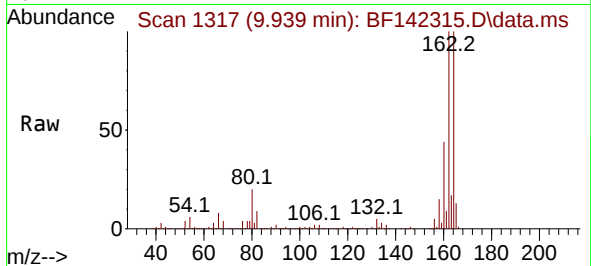




#51
2,6-Dinitrotoluene
Concen: 10.790 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

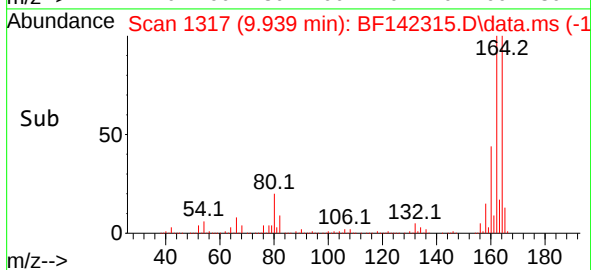
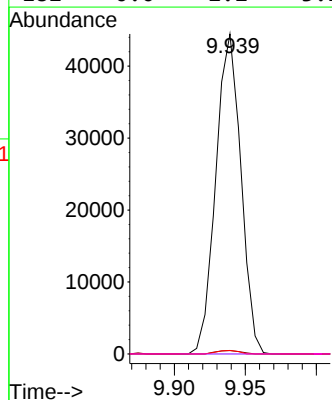
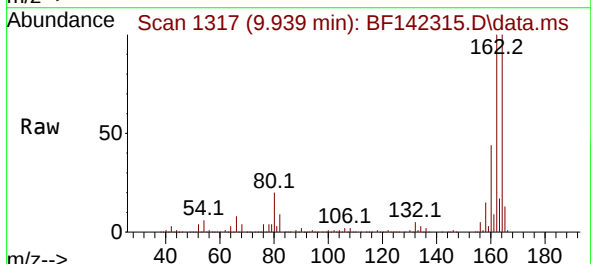
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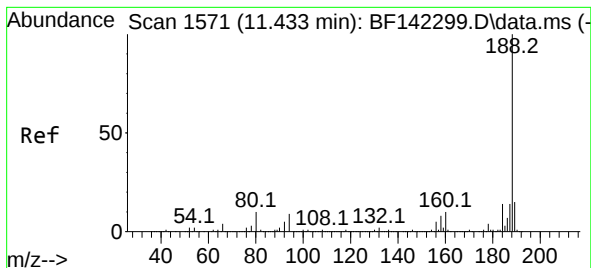
Tgt Ion:165 Resp: 54554
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.412 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

Tgt Ion:165 Resp: 54554
Ion Ratio Lower Upper
165 100
63 1.1 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: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

Instrument :

BNA_F

ClientSampleId :

COMP-9

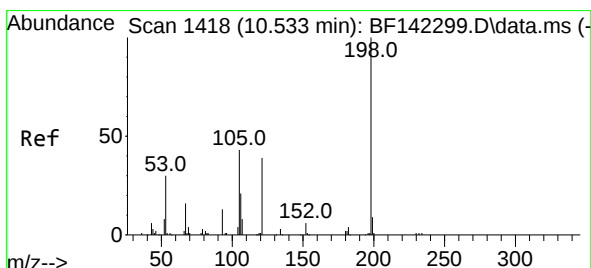
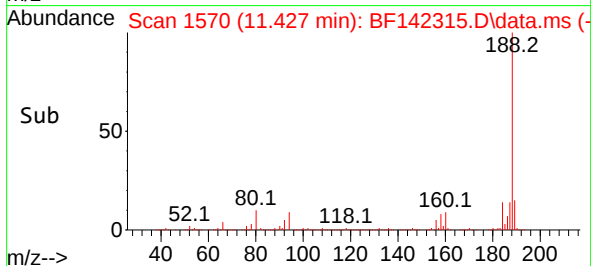
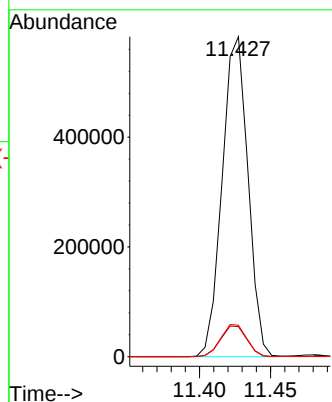
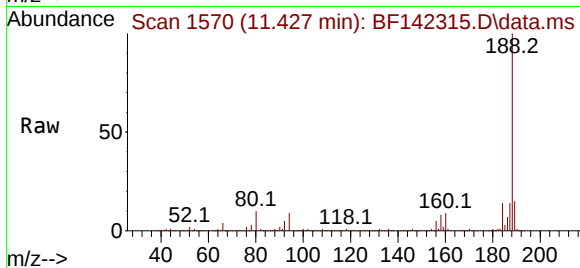
Tgt Ion:188 Resp: 736874

Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

80 9.8 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.443 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

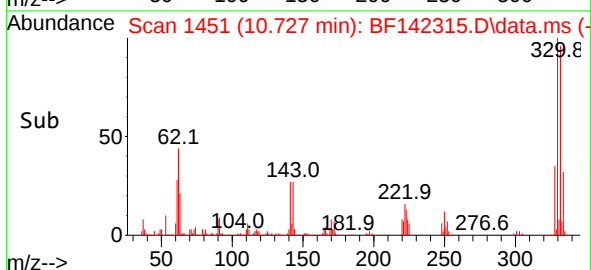
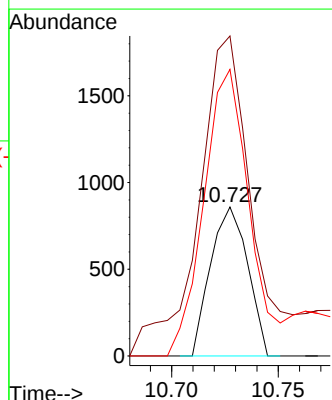
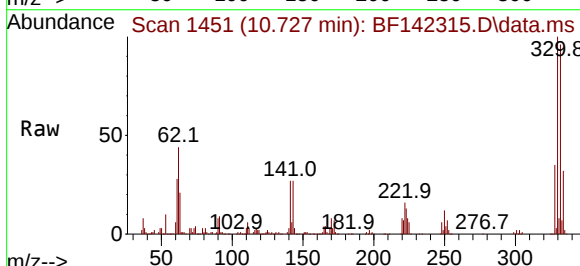
Tgt Ion:198 Resp: 1041

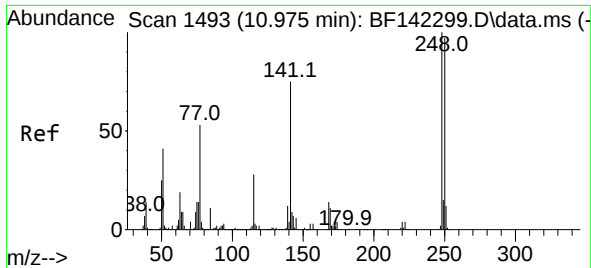
Ion Ratio Lower Upper

198 100

51 214.8 32.9 72.9#

105 192.3 23.7 63.7#

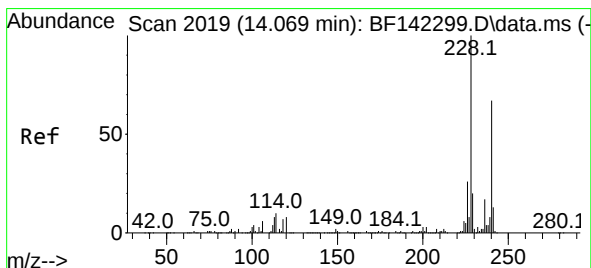
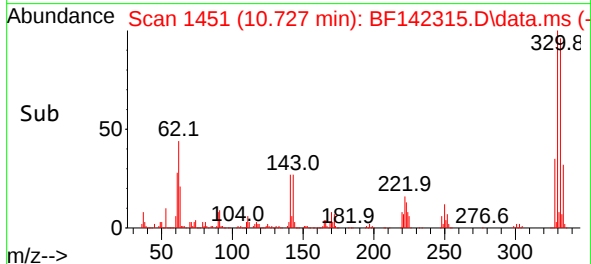
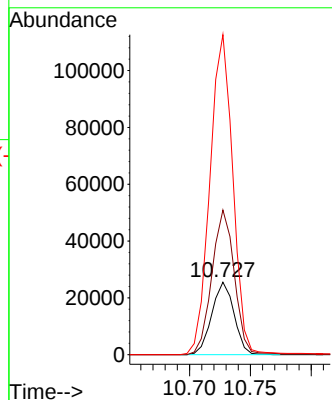
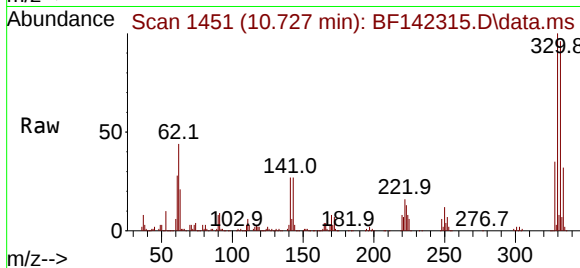




#67
4-Bromophenyl-phenylether
Concen: 3.892 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

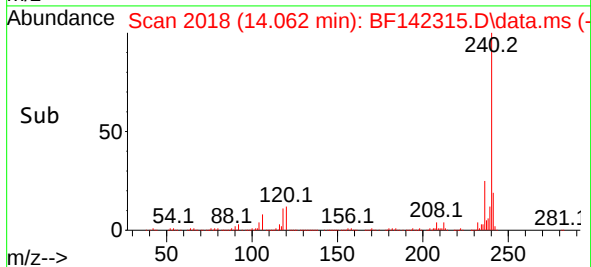
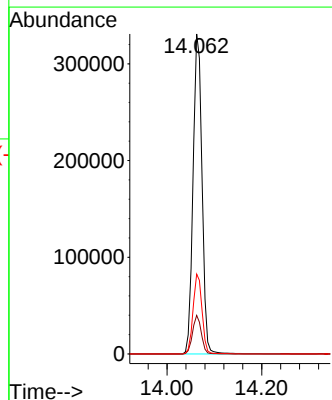
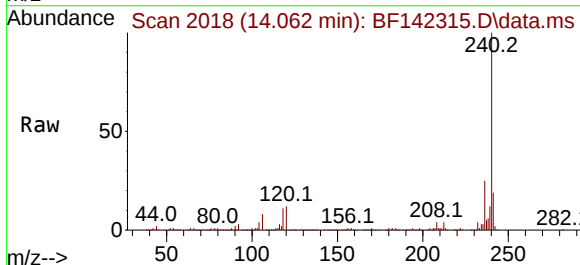
Instrument :
BNA_F
ClientSampleId :
COMP-9

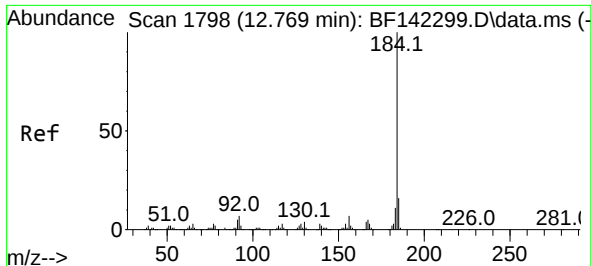
Tgt Ion:248 Resp: 32505
Ion Ratio Lower Upper
248 100
250 199.4 77.9 116.9#
141 441.1 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

Tgt Ion:240 Resp: 433568
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 24.9 20.0 30.0

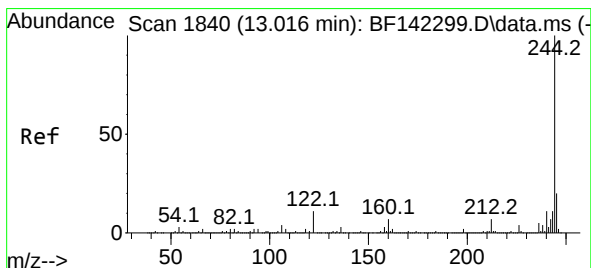
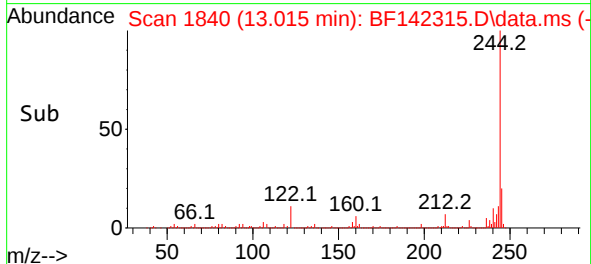
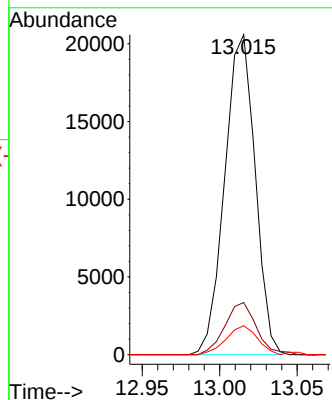
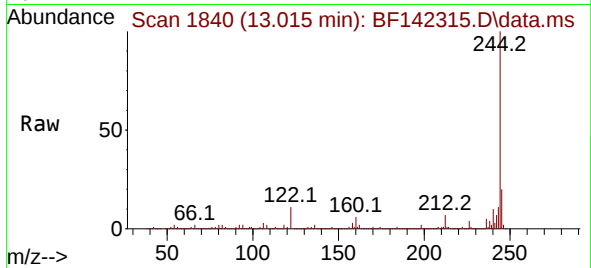




#77
Benzidine
Concen: 3.570 ng
RT: 13.015 min Scan# 1840
Delta R.T. 0.246 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

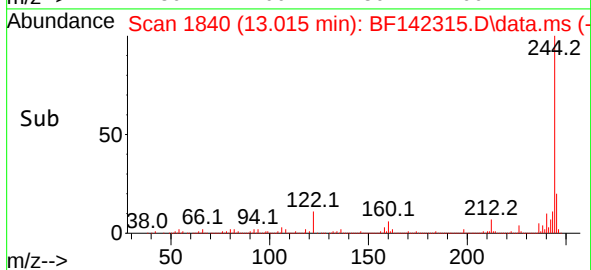
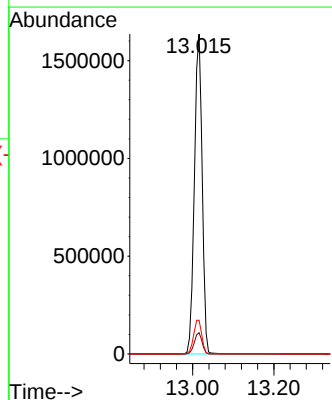
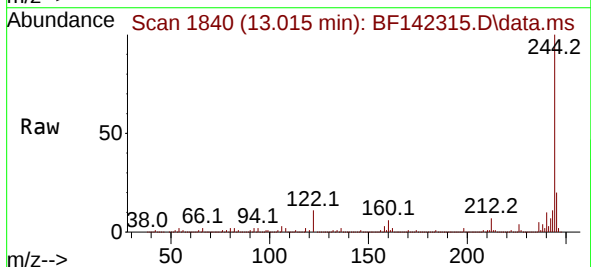
Instrument :
BNA_F
ClientSampleId :
COMP-9

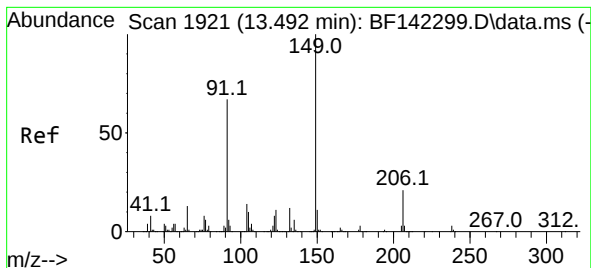
Tgt Ion:184 Resp: 28129
Ion Ratio Lower Upper
184 100
185 16.3 12.6 18.8
183 9.0 8.6 12.8



#79
Terphenyl-d14
Concen: 74.866 ng
RT: 13.015 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142315.D
Acq: 12 May 2025 12:48

Tgt Ion:244 Resp: 2193044
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.6 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.698 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

Instrument :

BNA_F

ClientSampleId :

COMP-9

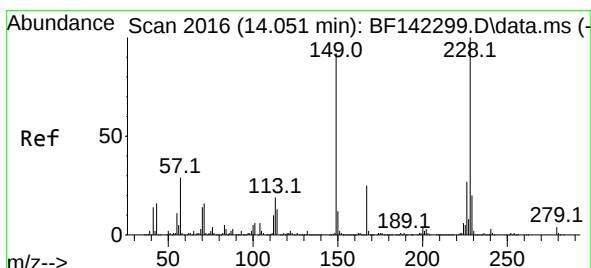
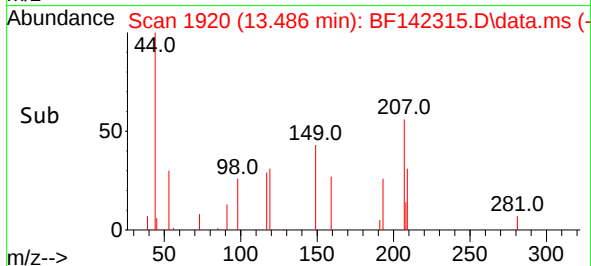
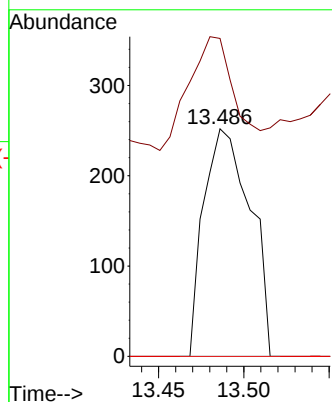
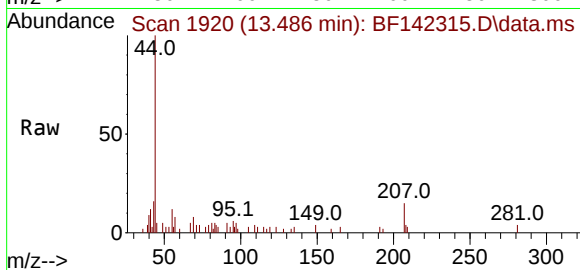
Tgt Ion:149 Resp: 478

Ion Ratio Lower Upper

149 100

91 139.7 53.8 80.6#

206 0.0 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.327 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

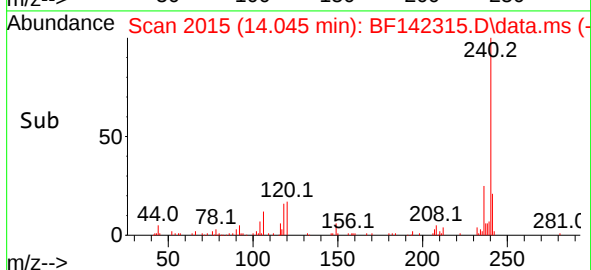
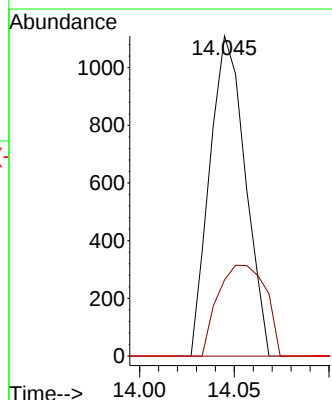
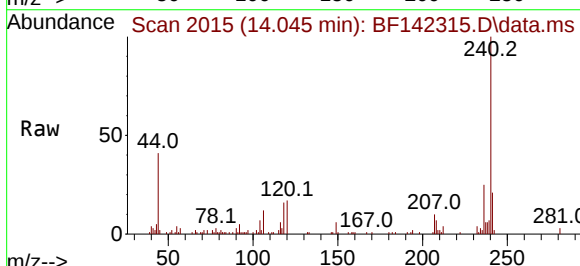
Tgt Ion:149 Resp: 1446

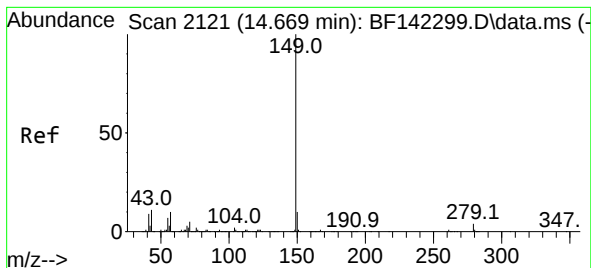
Ion Ratio Lower Upper

149 100

167 23.8 22.0 33.0

279 0.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.849 ng

RT: 14.698 min Scan# 2121

Delta R.T. 0.029 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

Instrument :

BNA_F

ClientSampleId :

COMP-9

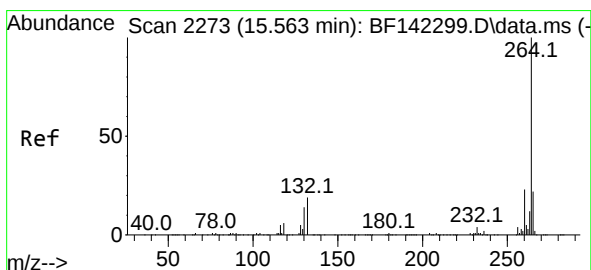
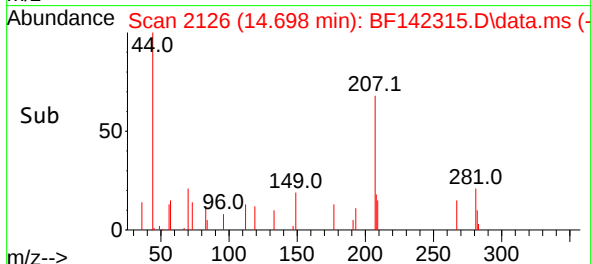
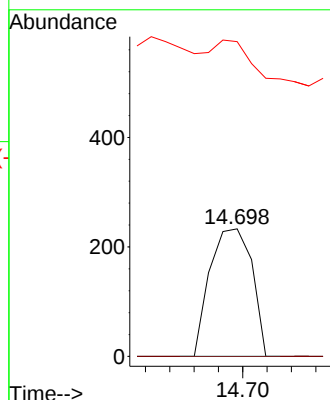
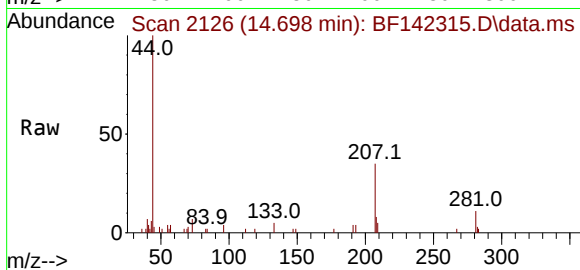
Tgt Ion:149 Resp: 279

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: 15.556 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142315.D

Acq: 12 May 2025 12:48

Tgt Ion:264 Resp: 350728

Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 21.2 17.5 26.3

