

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021825\
 Data File : BF141664.D
 Acq On : 18 Feb 2025 16:31
 Operator : RC/JU
 Sample : Q1373-01DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB27161DL

Quant Time: Feb 18 17:32:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

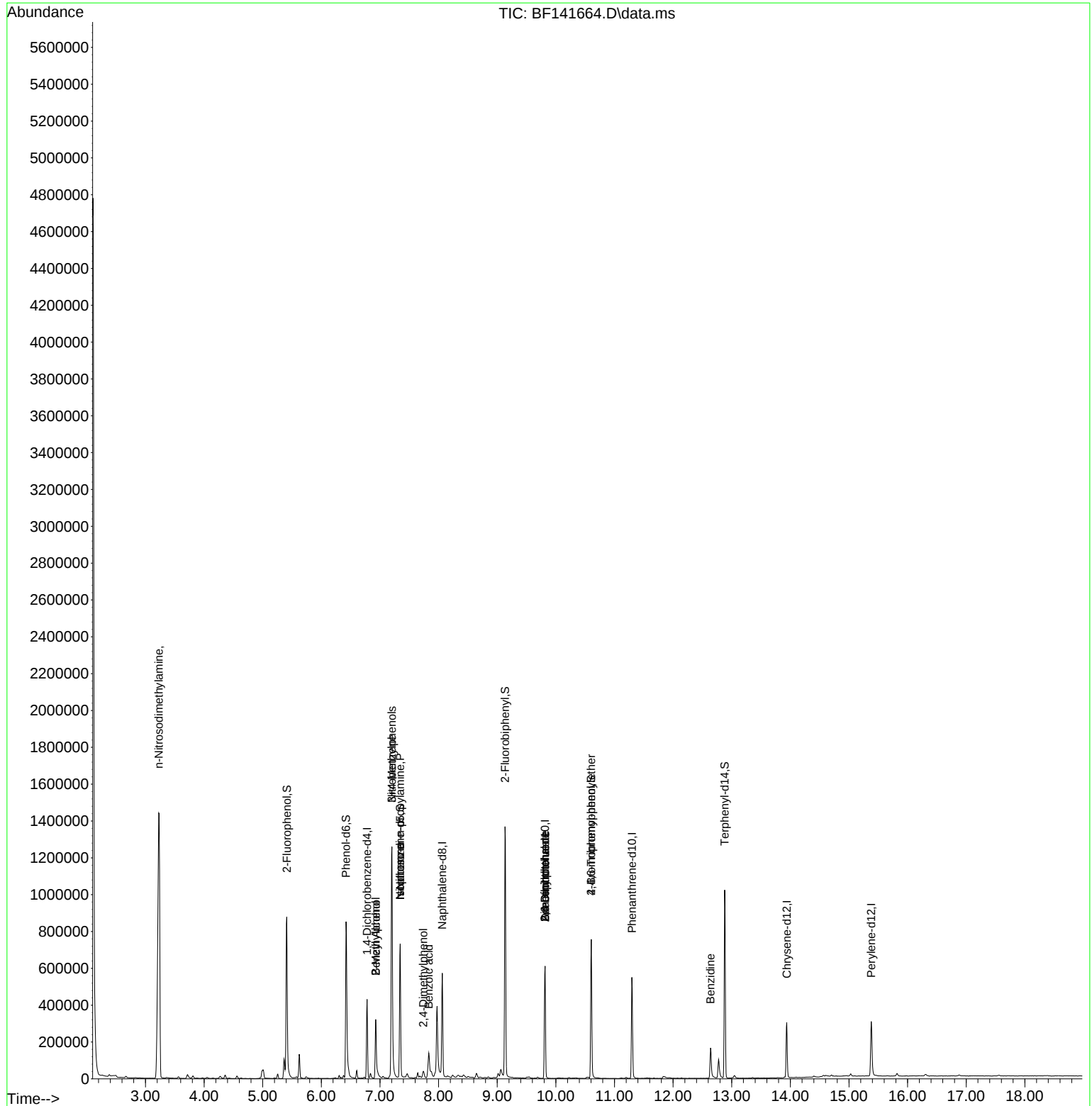
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	88087	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	351891	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	187340	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	295388	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	158124	20.000	ng	-0.02
86) Perylene-d12	15.380	264	183613	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	373577	66.488	ng	0.00
7) Phenol-d6	6.422	99	417353	58.769	ng	-0.02
23) Nitrobenzene-d5	7.345	82	312055	46.254	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	121178	64.391	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	598259	49.200	ng	-0.02
79) Terphenyl-d14	12.880	244	499123	53.288	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.228	42	90853	25.497	ng	# 2
15) Benzyl Alcohol	6.928	79	106297	19.519	ng	98
17) 2-Methylphenol	6.928	107	56866	11.969	ng	# 19
19) n-Nitroso-di-n-propyla...	7.345	70	42863	10.090	ng	# 72
20) 3+4-Methylphenols	7.204	107	446814	74.001	ng	# 52
24) Nitrobenzene	7.204	77	166793	25.353	ng	# 45
25) Isophorone	7.345	82	306010	28.447	ng	# 66
27) 2,4-Dimethylphenol	7.739	122	12239	3.201	ng	96
32) Benzoic acid	7.834	122	38002	9.568	ng	99
50) Dimethylphthalate	9.816	163	28859	2.269	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	24045	8.649	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	24045	6.497	ng	# 19
67) 4-Bromophenyl-phenylether	10.604	248	8422	2.551	ng	# 1
77) Benzidine	12.639	184	115398	33.091	ng	99

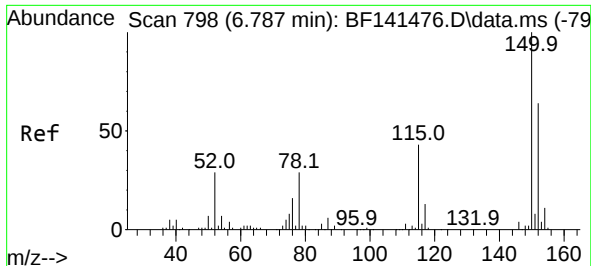
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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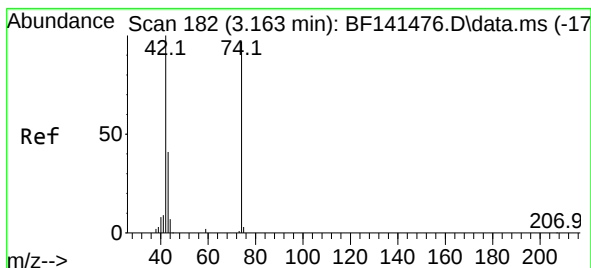
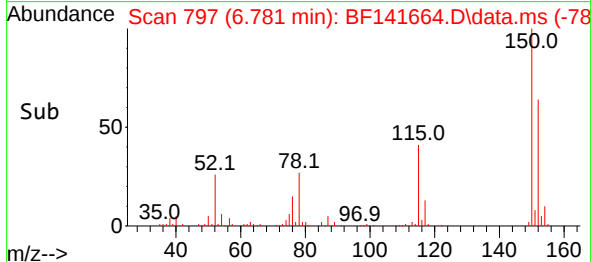
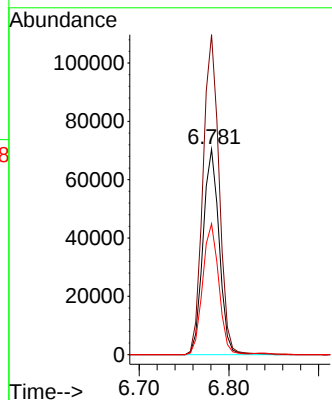
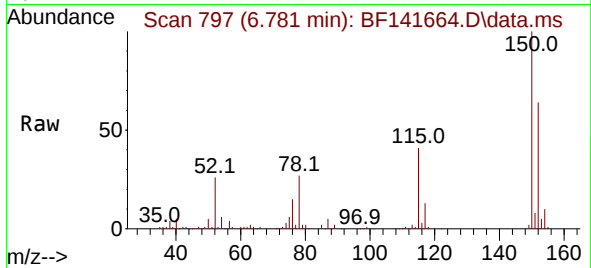




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

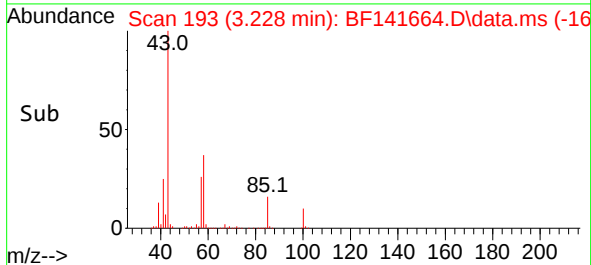
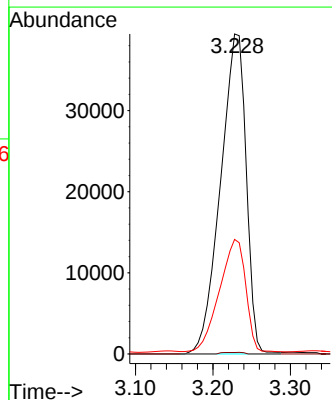
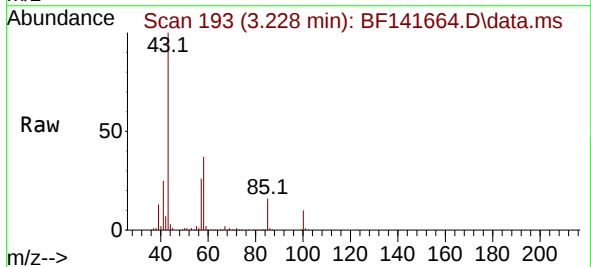
Instrument :
BNA_F
ClientSampleId :
VB27161DL

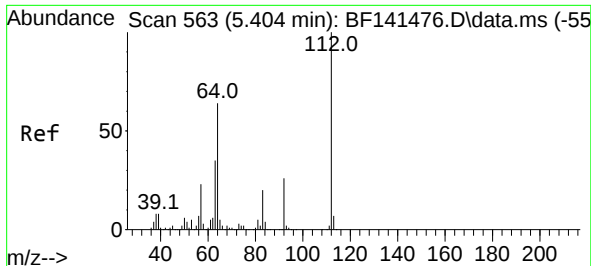
Tgt Ion:152 Resp: 88087
Ion Ratio Lower Upper
152 100
150 155.8 125.0 187.4
115 63.7 53.6 80.4



#4
n-Nitrosodimethylamine
Concen: 25.497 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.041 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 42 Resp: 90853
Ion Ratio Lower Upper
42 100
74 0.5 78.0 117.0#
44 35.8 5.4 8.2#

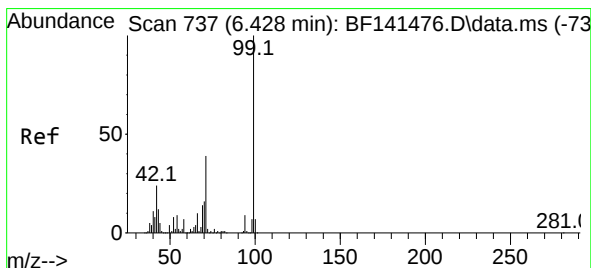
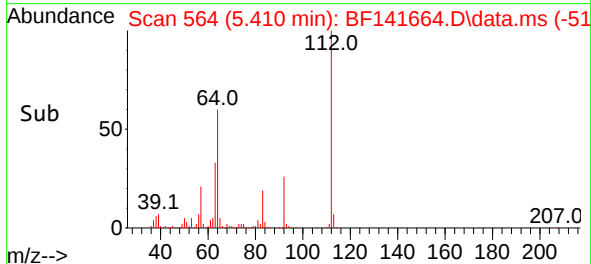
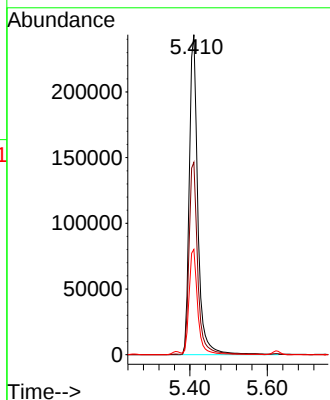
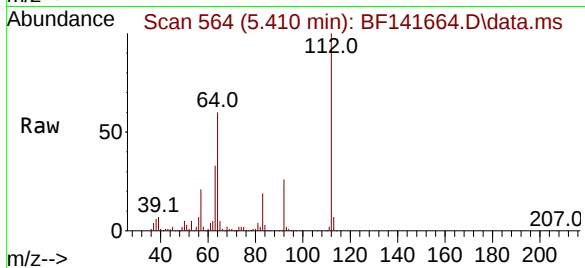




#5
2-Fluorophenol
Concen: 66.488 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

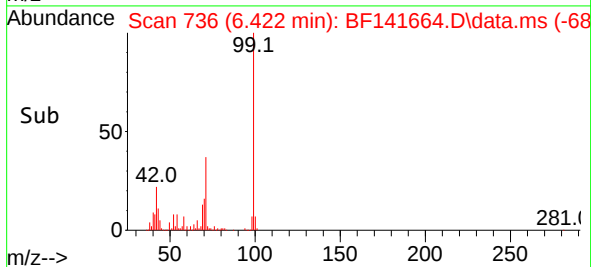
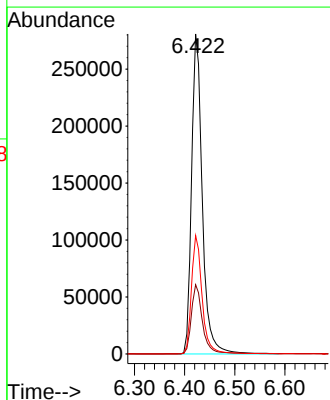
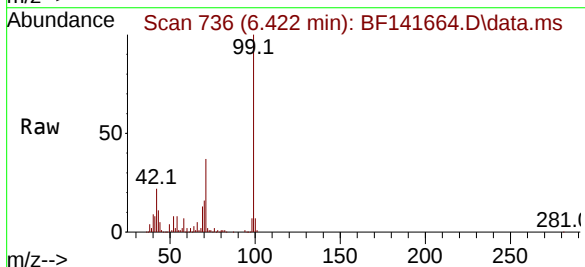
Instrument :
BNA_F
ClientSampleId :
VB27161DL

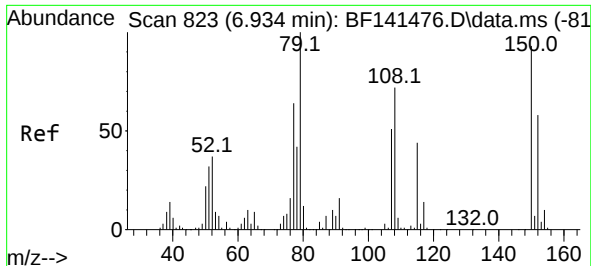
Tgt Ion:112 Resp: 373577
Ion Ratio Lower Upper
112 100
64 60.1 51.1 76.7
63 32.9 28.4 42.6



#7
Phenol-d6
Concen: 58.769 ng
RT: 6.422 min Scan# 736
Delta R.T. -0.018 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 99 Resp: 417353
Ion Ratio Lower Upper
99 100
42 21.7 19.1 28.7
71 37.0 31.1 46.7

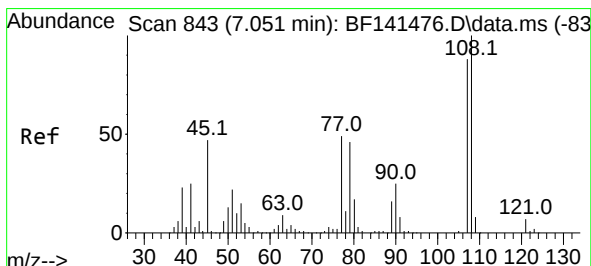
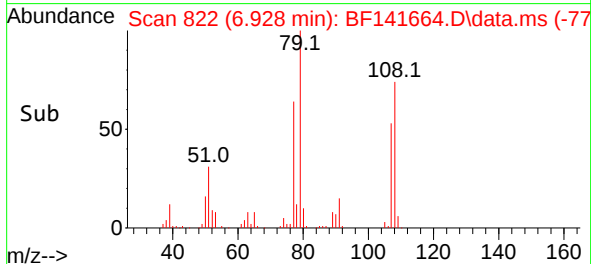
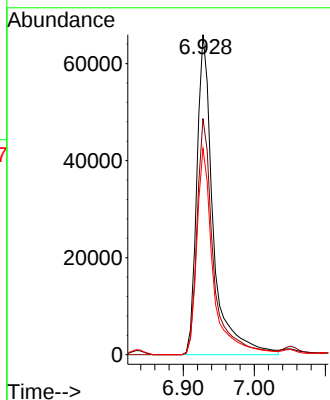
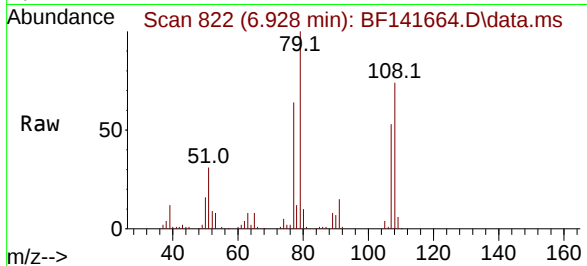




#15
Benzyl Alcohol
Concen: 19.519 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

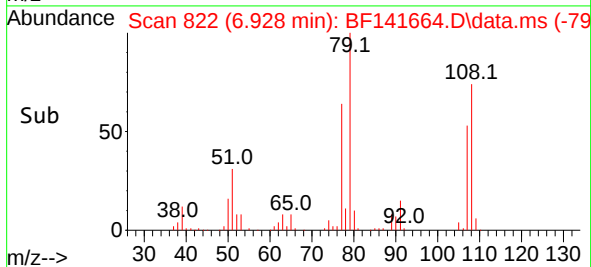
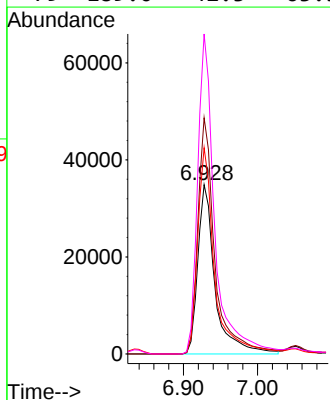
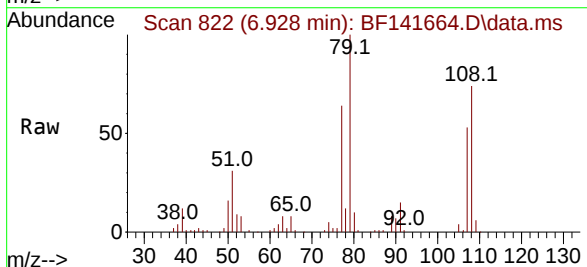
Instrument :
BNA_F
ClientSampleId :
VB27161DL

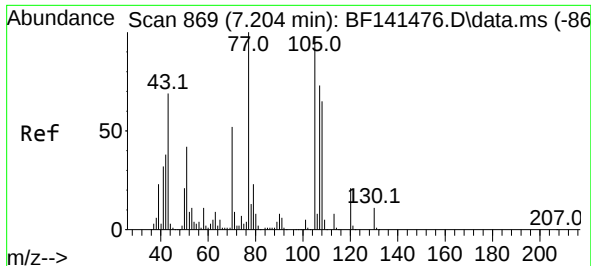
Tgt Ion: 79 Resp: 106297
Ion Ratio Lower Upper
79 100
108 73.8 57.4 86.2
77 64.4 50.9 76.3



#17
2-Methylphenol
Concen: 11.969 ng
RT: 6.928 min Scan# 822
Delta R.T. -0.129 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

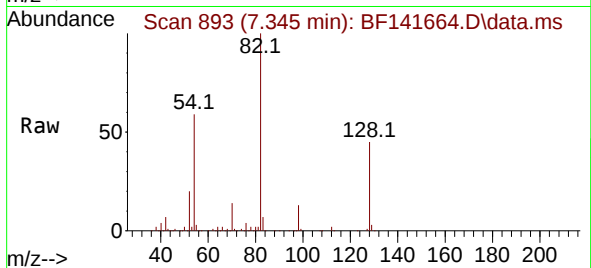
Tgt Ion: 107 Resp: 56866
Ion Ratio Lower Upper
107 100
108 139.5 90.6 136.0#
77 121.8 44.4 66.6#
79 189.0 42.3 63.5#



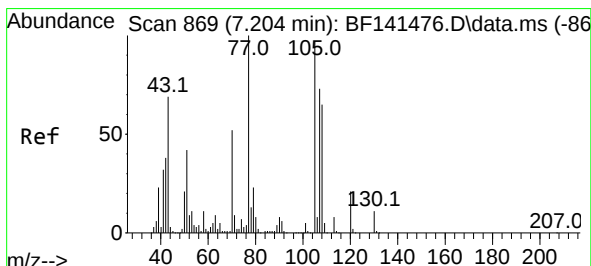
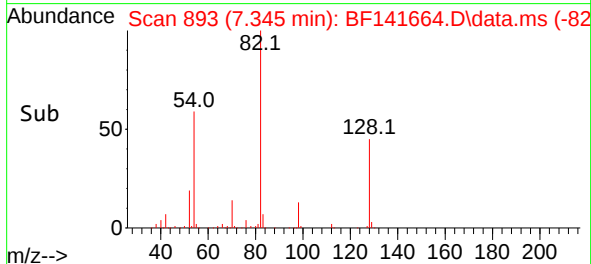
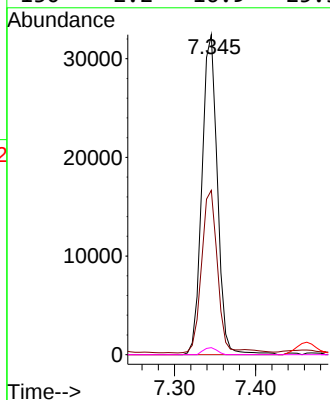


#19
n-Nitroso-di-n-propylamine
Concen: 10.090 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Instrument :
BNA_F
ClientSampleId :
VB27161DL

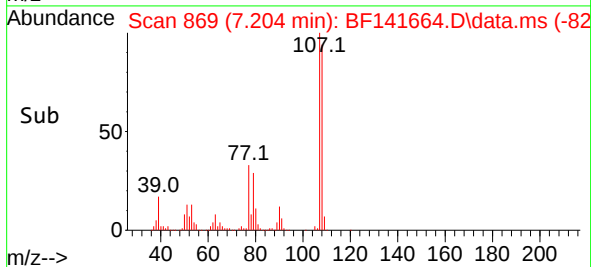
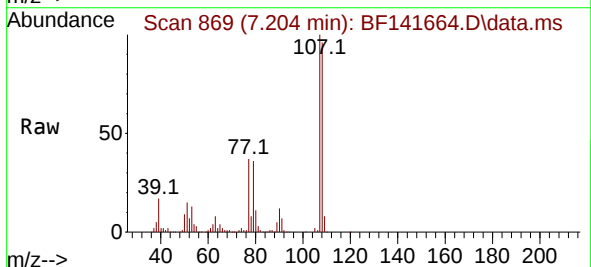
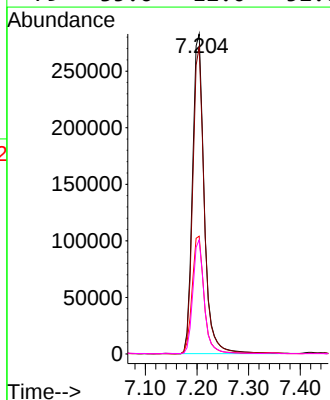


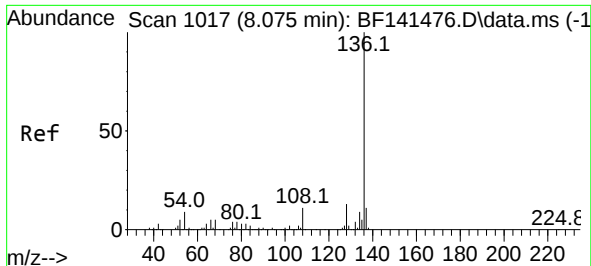
Tgt Ion: 70 Resp: 42863
Ion Ratio Lower Upper
70 100
42 51.4 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#



#20
3+4-Methylphenols
Concen: 74.001 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 107 Resp: 446814
Ion Ratio Lower Upper
107 100
108 95.9 68.5 108.5
77 36.8 116.5 156.5#
79 35.6 12.0 52.0

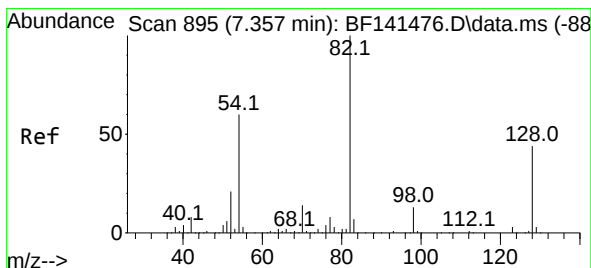
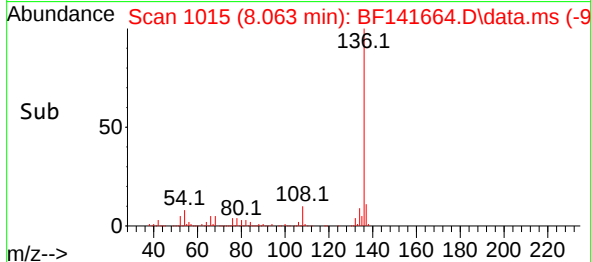
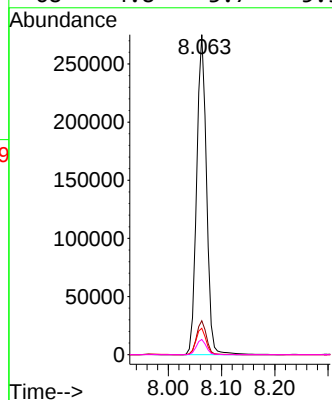
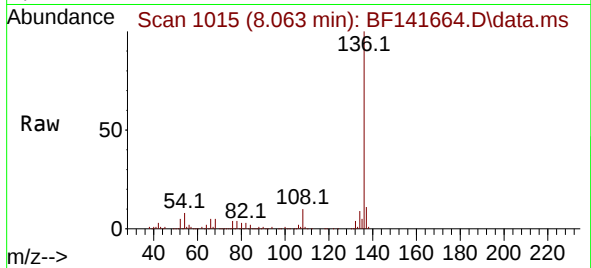




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

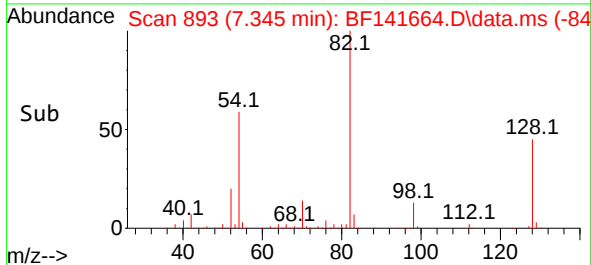
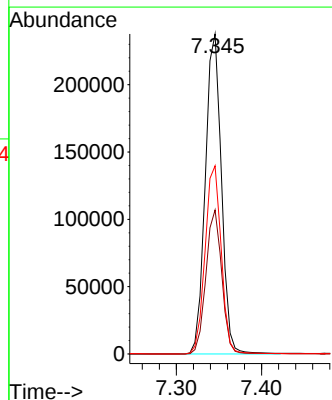
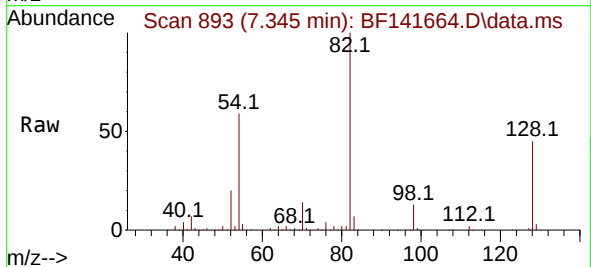
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BNA_F
ClientSampleId :
VB27161DL

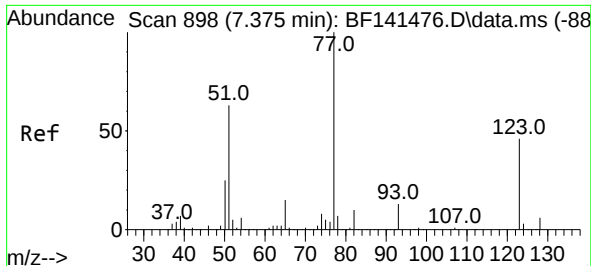
Tgt Ion:136 Resp: 351891
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.3 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 46.254 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 82 Resp: 312055
Ion Ratio Lower Upper
82 100
128 45.0 34.8 52.2
54 58.8 48.2 72.4

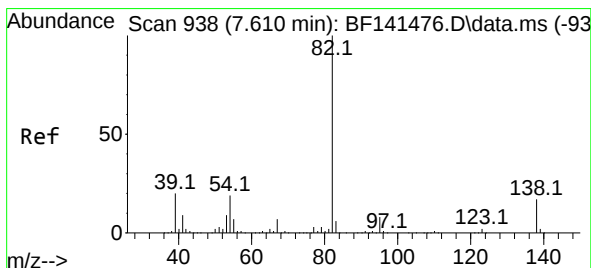
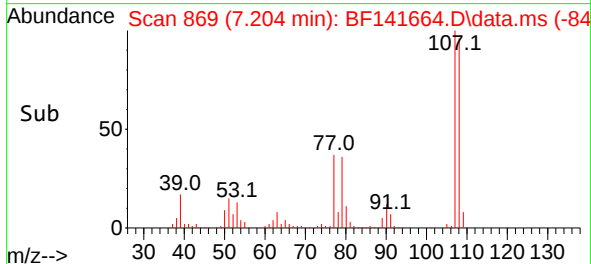
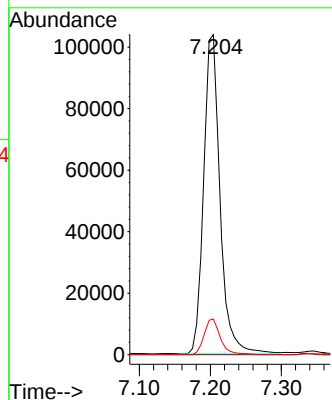
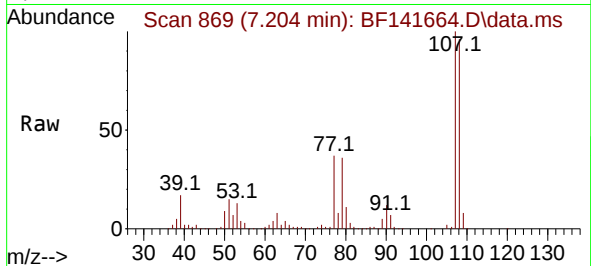




#24
Nitrobenzene
Concen: 25.353 ng
RT: 7.204 min Scan# 80
Delta R.T. -0.176 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

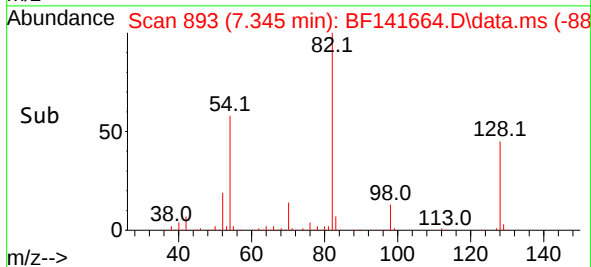
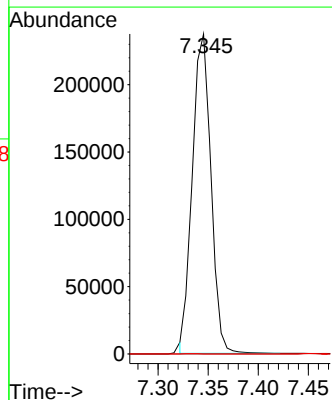
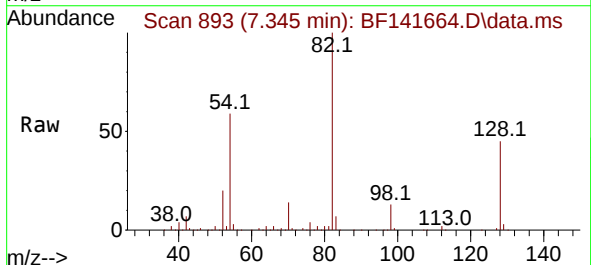
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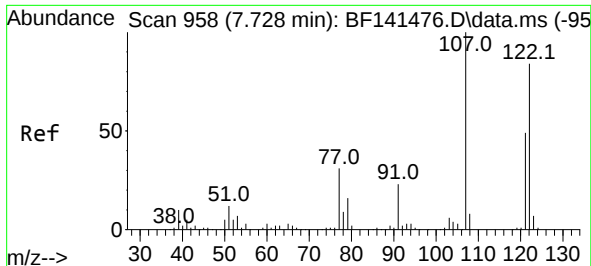
Tgt Ion: 77 Resp: 166793
Ion Ratio Lower Upper
77 100
123 0.0 36.9 55.3#
65 11.1 11.9 17.9#



#25
Isophorone
Concen: 28.447 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 82 Resp: 306010
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#





#27

2,4-Dimethylphenol

Concen: 3.201 ng

RT: 7.739 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

Instrument :

BNA_F

ClientSampleId :

VB27161DL

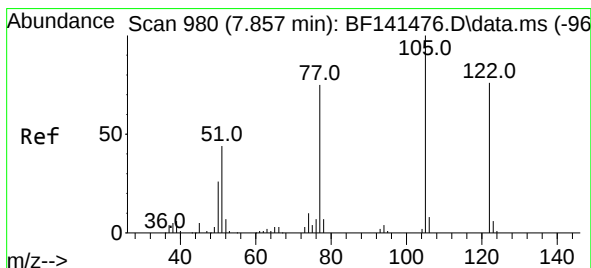
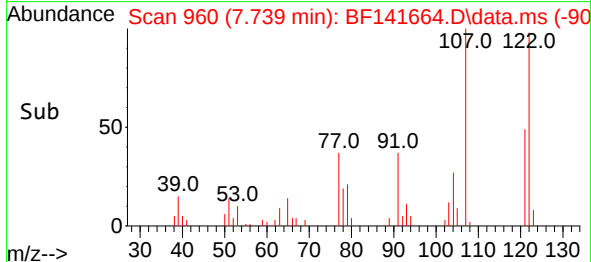
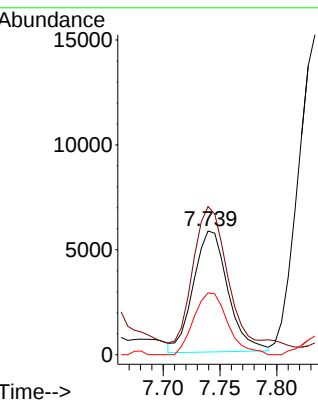
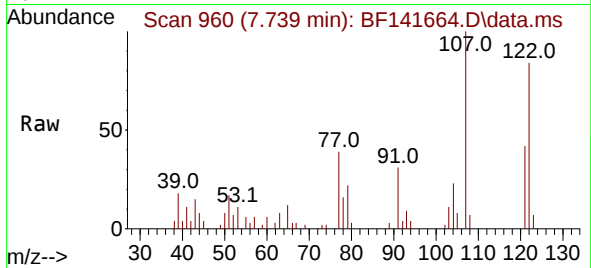
Tgt Ion:122 Resp: 12239

Ion Ratio Lower Upper

122 100

107 119.7 94.3 141.5

121 49.9 46.0 69.0



#32

Benzoic acid

Concen: 9.568 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.059 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

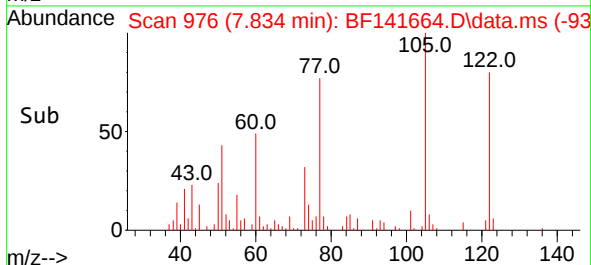
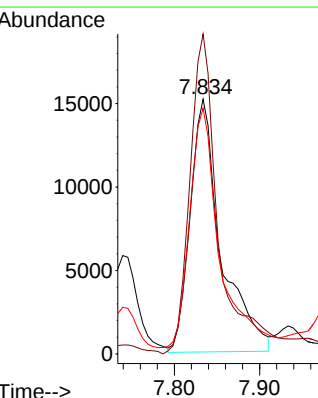
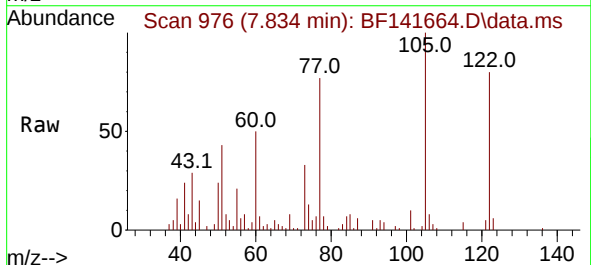
Tgt Ion:122 Resp: 38002

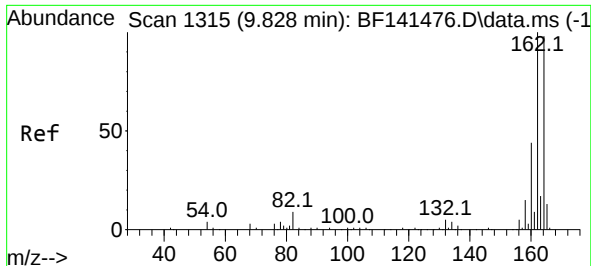
Ion Ratio Lower Upper

122 100

105 125.7 106.5 146.5

77 96.5 76.3 116.3

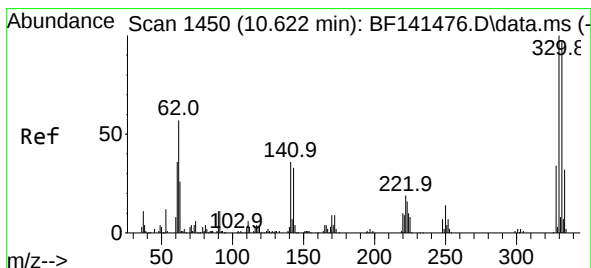
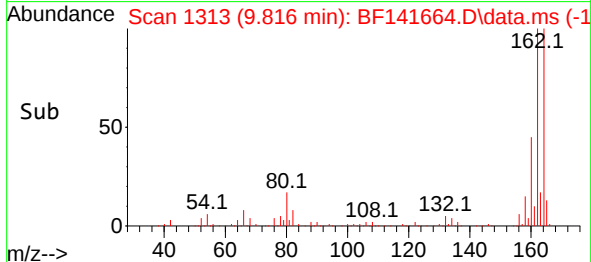
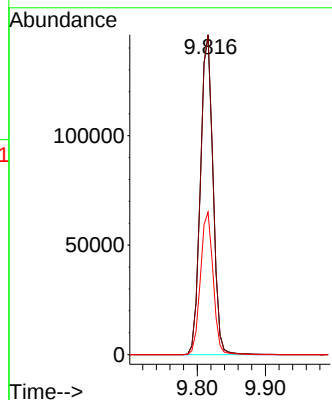
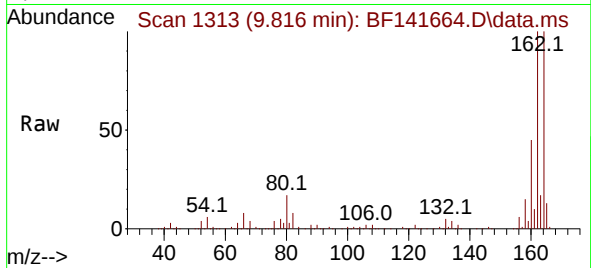




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

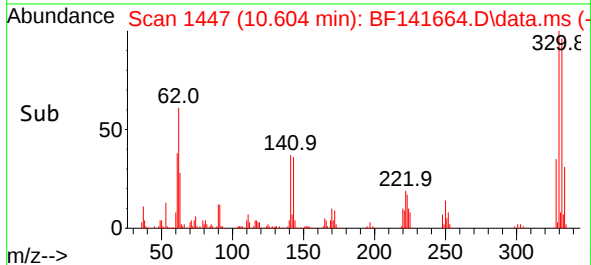
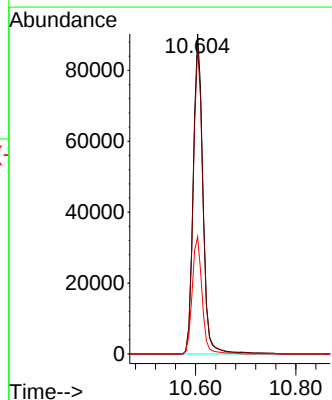
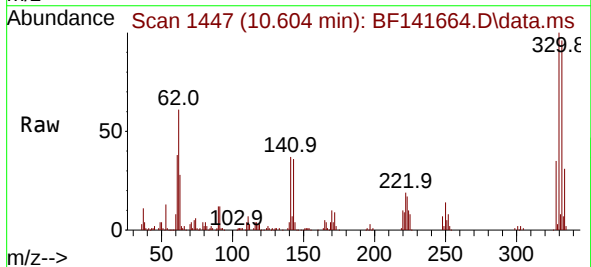
Instrument :
BNA_F
ClientSampleId :
VB27161DL

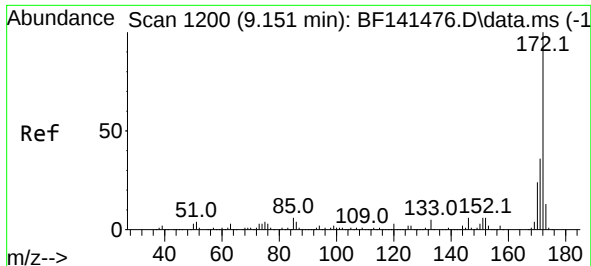
Tgt Ion:164 Resp: 187340
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 44.8 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 64.391 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion:330 Resp: 121178
Ion Ratio Lower Upper
330 100
332 96.0 78.5 117.7
141 37.1 31.0 46.4

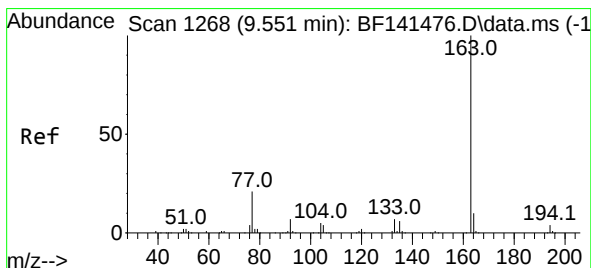
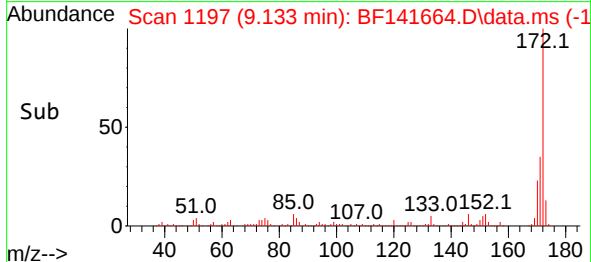
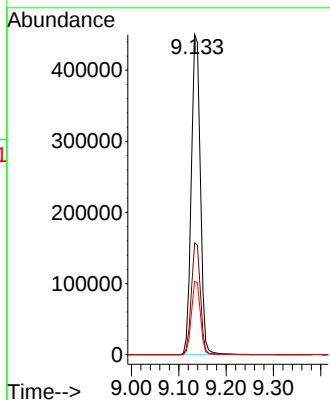
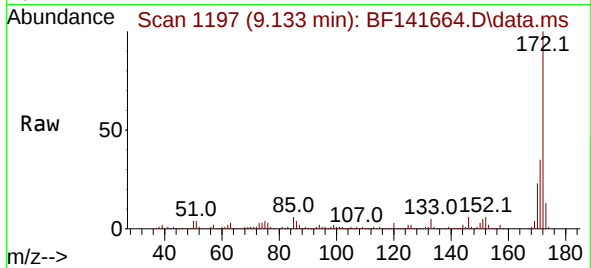




#45
2-Fluorobiphenyl
Concen: 49.200 ng
RT: 9.133 min Scan# 1117
Delta R.T. -0.018 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

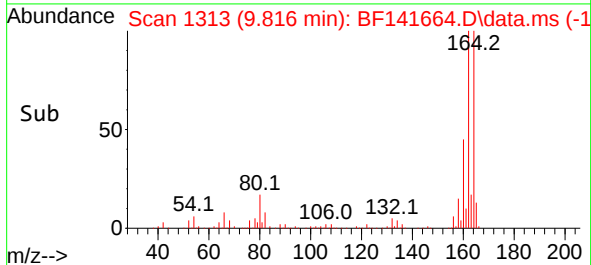
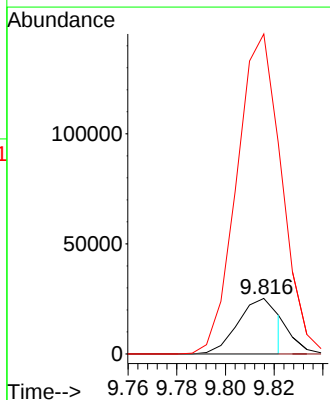
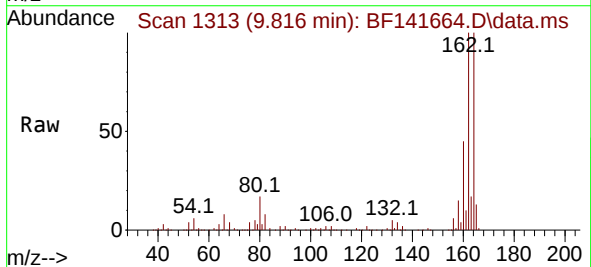
Instrument :
BNA_F
ClientSampleId :
VB27161DL

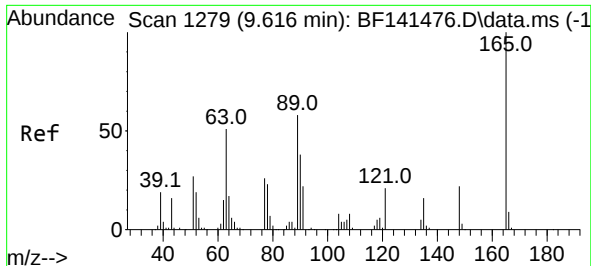
Tgt Ion:172 Resp: 598259
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 22.9 18.9 28.3



#50
Dimethylphthalate
Concen: 2.269 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.253 min
Lab File: BF141664.D
Acq: 18 Feb 2025 16:31

Tgt Ion:163 Resp: 28859
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 577.1 7.9 11.9#





#51

2,6-Dinitrotoluene

Concen: 8.649 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

Instrument :

BNA_F

ClientSampleId :

VB27161DL

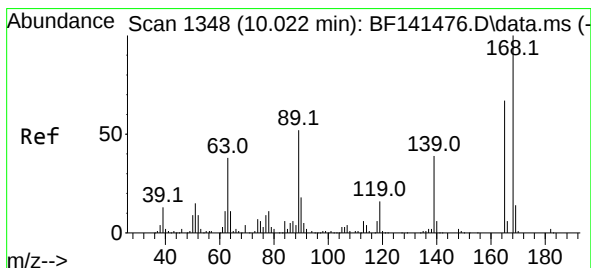
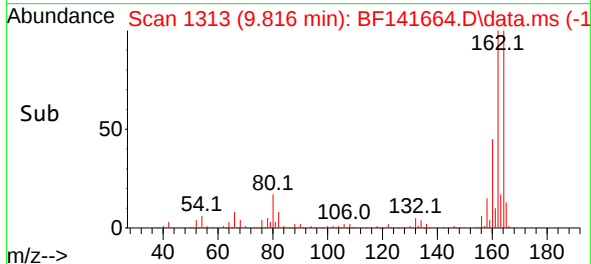
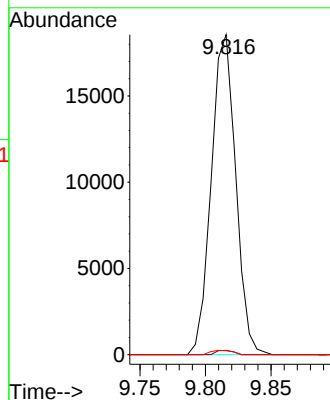
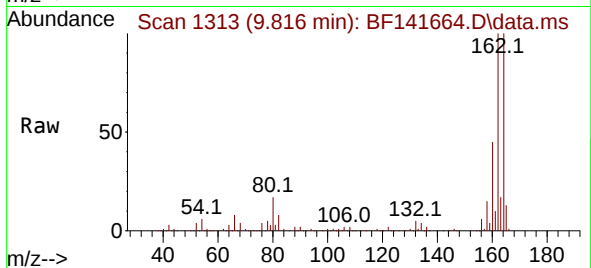
Tgt Ion:165 Resp: 24045

Ion Ratio Lower Upper

165 100

63 1.3 49.4 74.0#

89 1.3 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.497 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.212 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

Tgt Ion:165 Resp: 24045

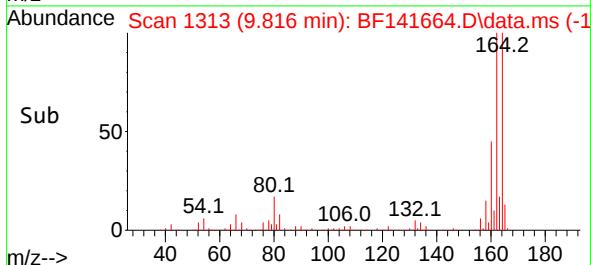
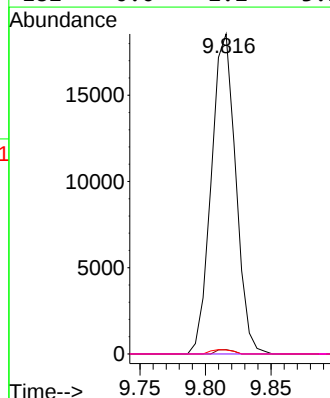
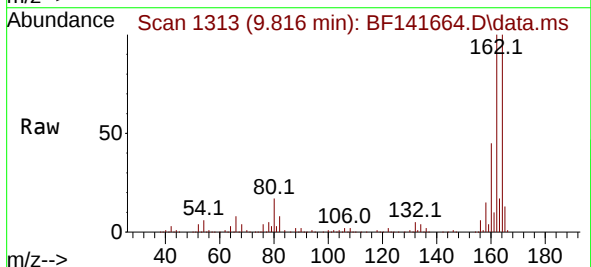
Ion Ratio Lower Upper

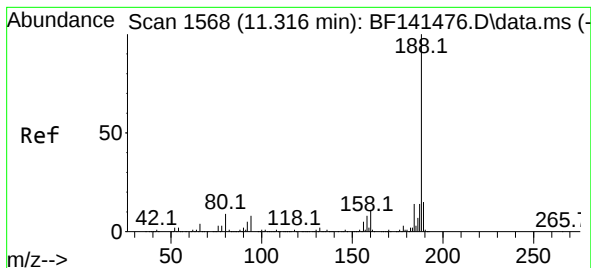
165 100

63 1.3 46.4 69.6#

89 1.3 61.8 92.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

Instrument :

BNA_F

ClientSampleId :

VB27161DL

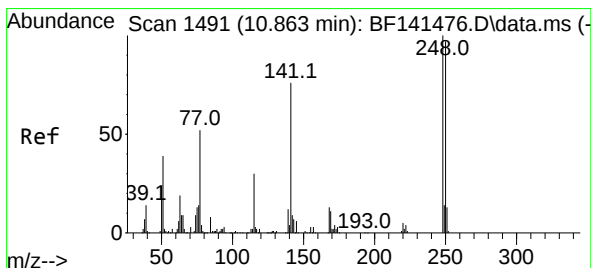
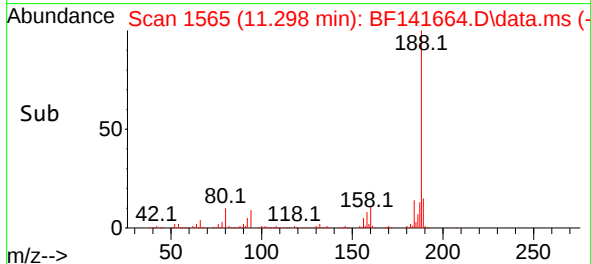
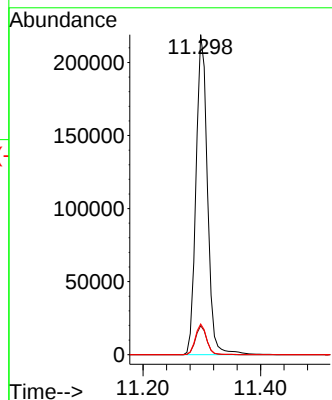
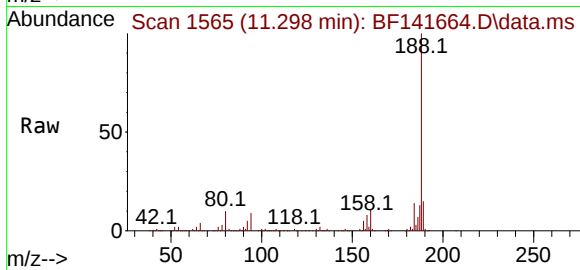
Tgt Ion:188 Resp: 295388

Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.551 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

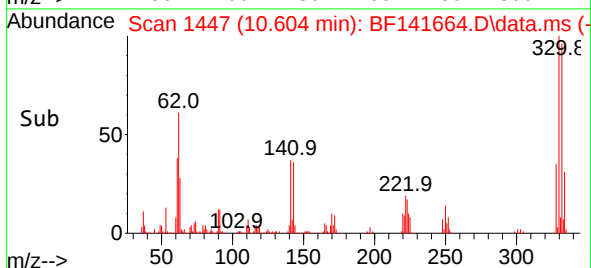
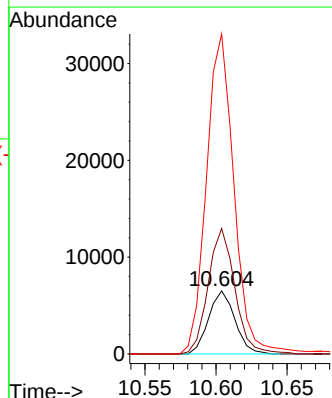
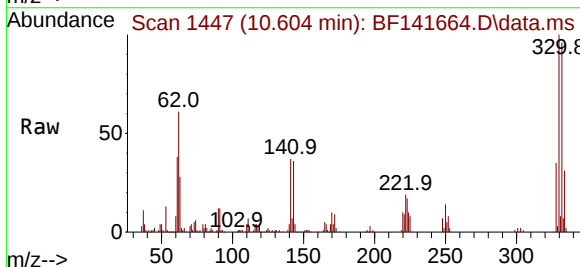
Tgt Ion:248 Resp: 8422

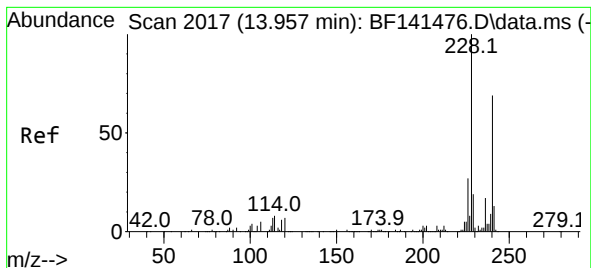
Ion Ratio Lower Upper

248 100

250 199.0 77.8 116.6#

141 507.6 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.023 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

Instrument :

BNA_F

ClientSampleId :

VB27161DL

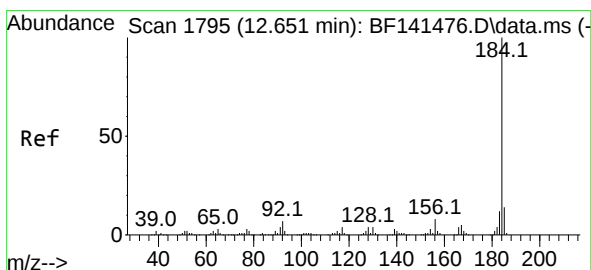
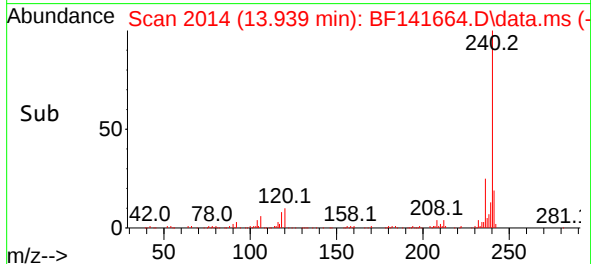
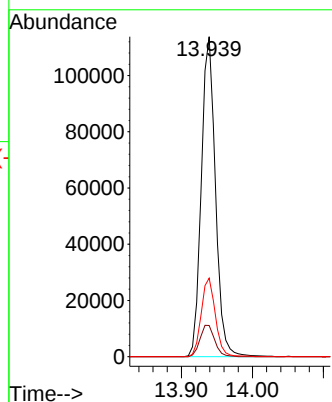
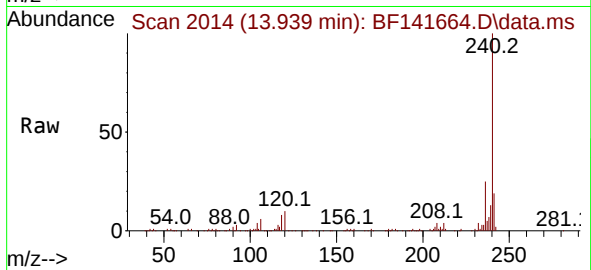
Tgt Ion:240 Resp: 158124

Ion Ratio Lower Upper

240 100

120 9.7 8.0 12.0

236 24.6 19.8 29.8



#77

Benzidine

Concen: 33.091 ng

RT: 12.639 min Scan# 1793

Delta R.T. -0.018 min

Lab File: BF141664.D

Acq: 18 Feb 2025 16:31

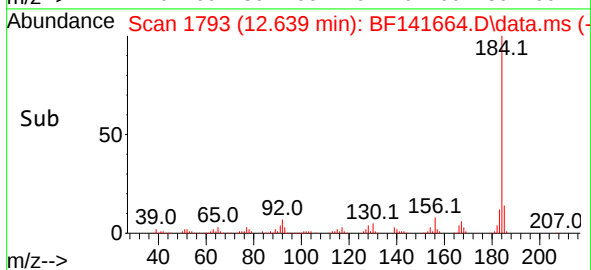
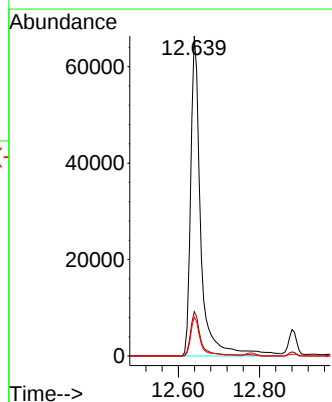
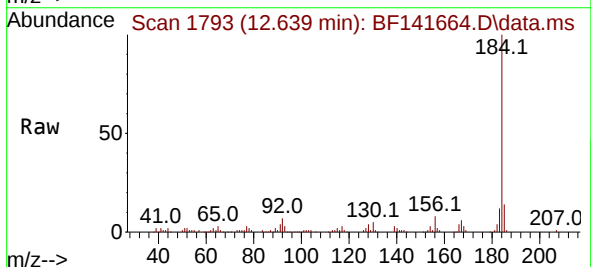
Tgt Ion:184 Resp: 115398

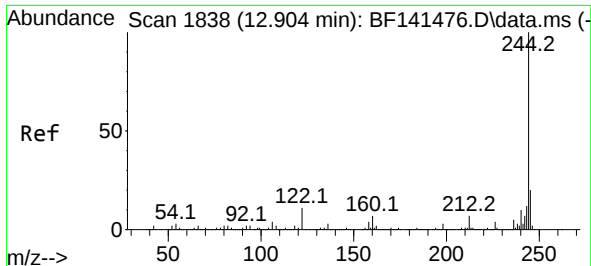
Ion Ratio Lower Upper

184 100

185 13.9 11.3 16.9

183 12.2 9.3 13.9

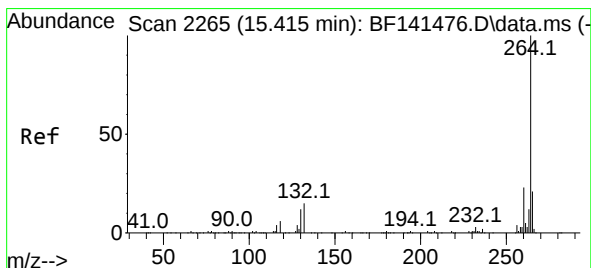
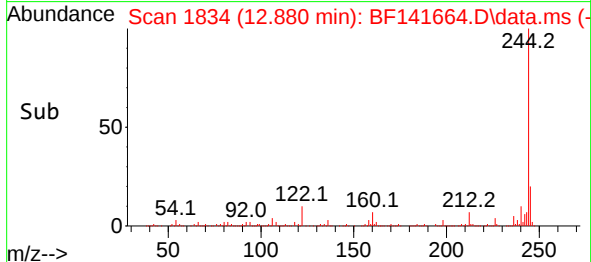
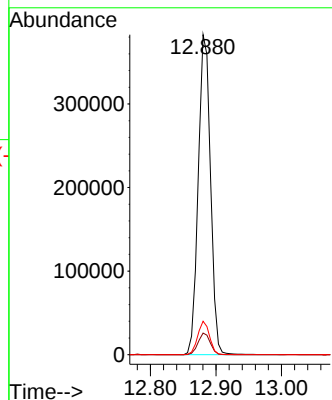
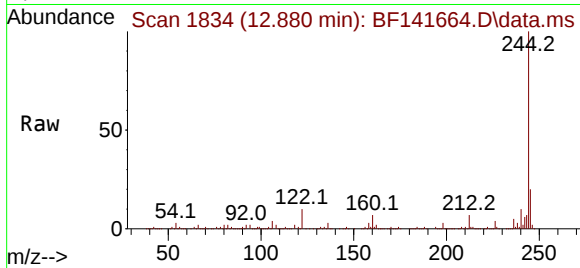




#79
 Terphenyl-d14
 Concen: 53.288 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141664.D
 Acq: 18 Feb 2025 16:31

Instrument :
 BNA_F
 ClientSampleId :
 VB27161DL

Tgt Ion:244 Resp: 499123
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.4 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141664.D
 Acq: 18 Feb 2025 16:31

Tgt Ion:264 Resp: 183613
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.1 17.0 25.4

