

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141634.D
 Acq On : 14 Feb 2025 12:44
 Operator : RC/JU
 Sample : Q1356-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARBON-WATER

Quant Time: Feb 14 13:12:38 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)

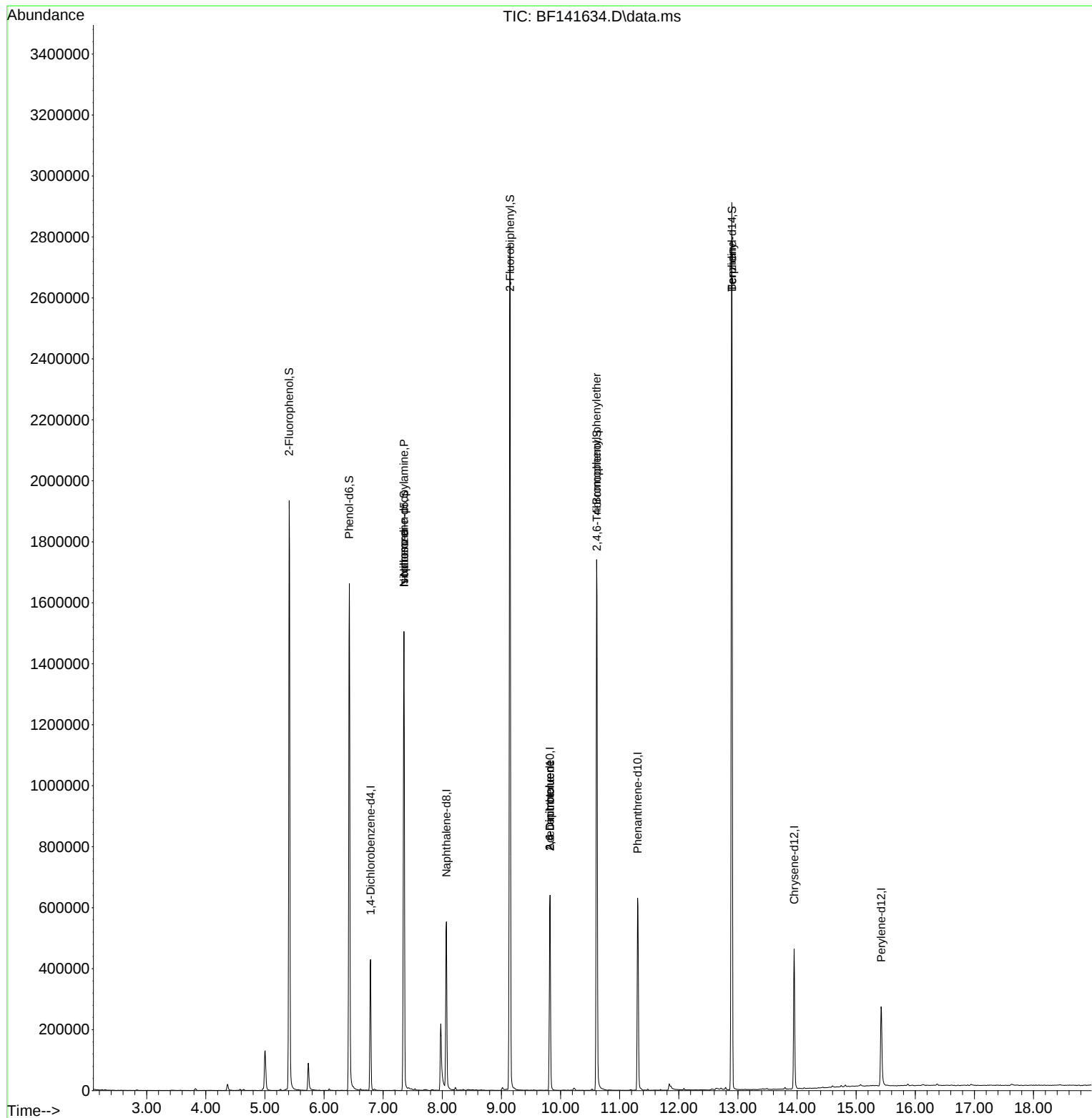
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89889	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	365329	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	201365	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	353948	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	236182	20.000	ng	-0.01
86) Perylene-d12	15.421	264	171071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	728617	127.077	ng	0.00
7) Phenol-d6	6.428	99	776944	107.211	ng	-0.01
23) Nitrobenzene-d5	7.351	82	700131	99.958	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	300586	148.599	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1272597	97.366	ng	0.00
79) Terphenyl-d14	12.898	244	1516039	108.363	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	93775	21.633	ng	# 72
25) Isophorone	7.351	82	684142	61.259	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	25643	8.581	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	25643	6.446	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	20426	5.164	ng	# 1
77) Benzidine	12.898	184	19864	3.814	ng	# 93

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

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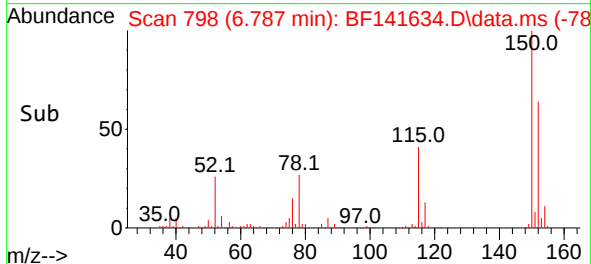
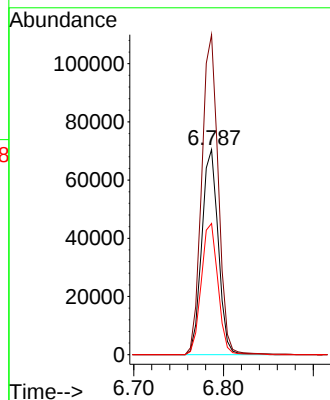
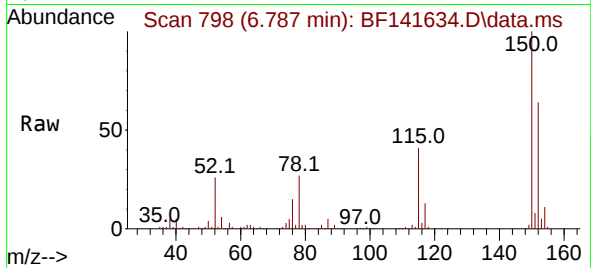




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

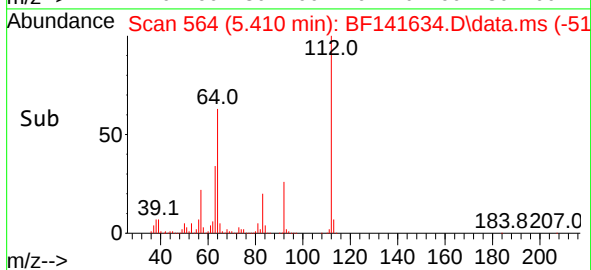
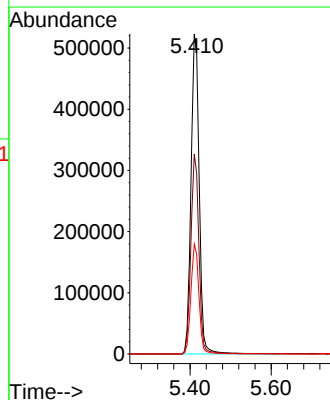
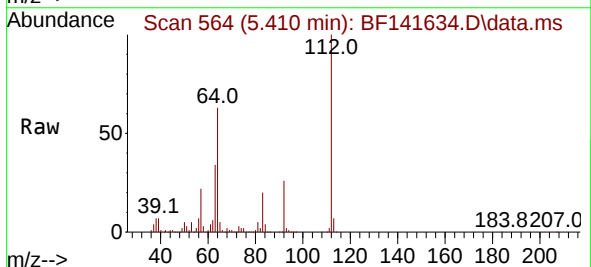
Instrument :
BNA_F
ClientSampleId :
CARBON-WATER

Tgt Ion:152 Resp: 89889
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 63.9 53.6 80.4



#5
2-Fluorophenol
Concen: 127.077 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

Tgt Ion:112 Resp: 728617
Ion Ratio Lower Upper
112 100
64 62.5 51.1 76.7
63 34.4 28.4 42.6

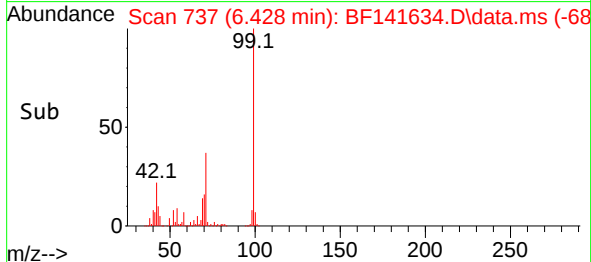
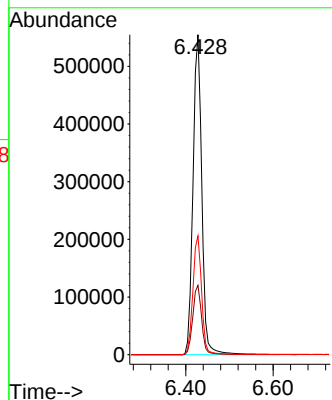
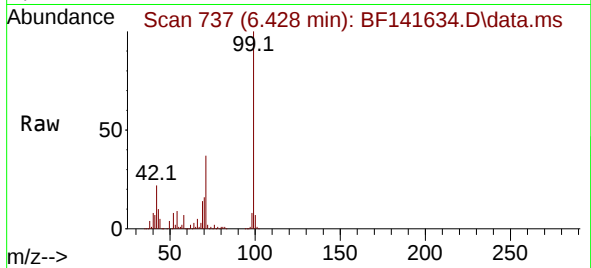




#7
Phenol-d6
Concen: 107.211 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

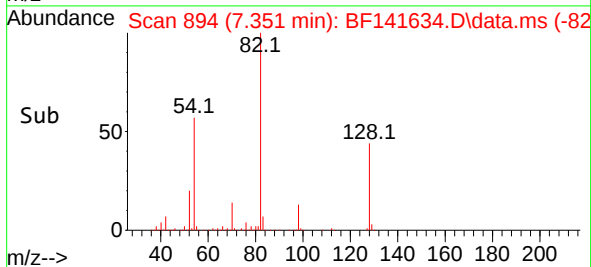
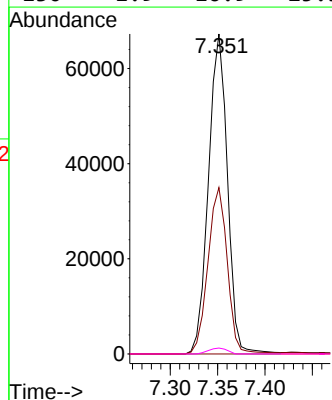
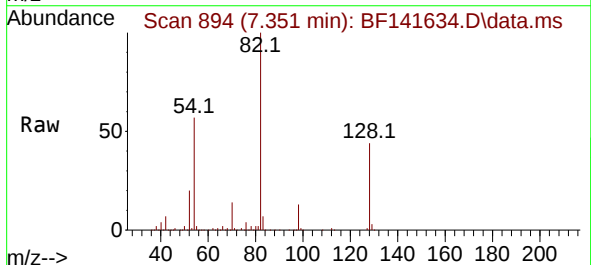
Instrument :
BNA_F
ClientSampleId :
CARBON-WATER

Tgt Ion: 99 Resp: 776944
Ion Ratio Lower Upper
99 100
42 21.7 19.1 28.7
71 37.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 21.633 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

Tgt Ion: 70 Resp: 93775
Ion Ratio Lower Upper
70 100
42 52.0 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

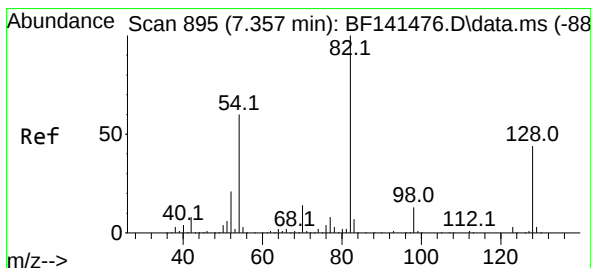
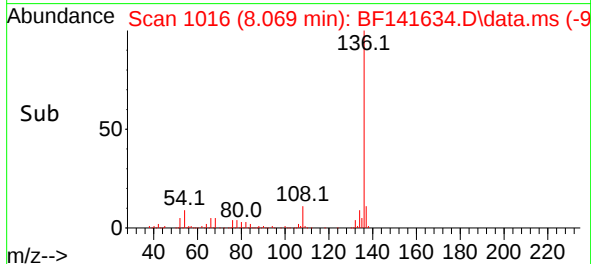
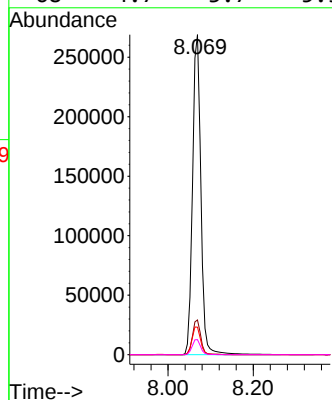
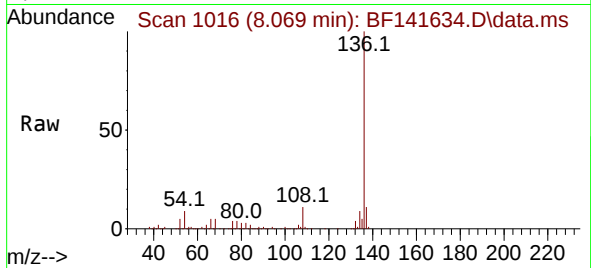




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

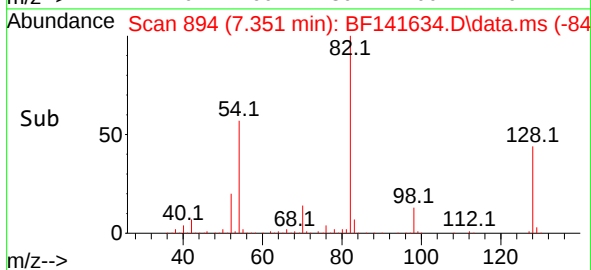
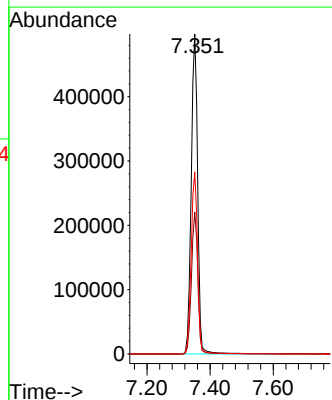
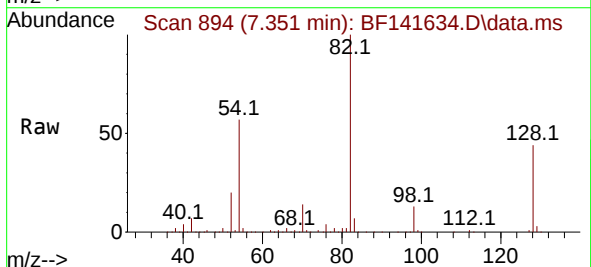
Instrument :
BNA_F
ClientSampleId :
CARBON-WATER

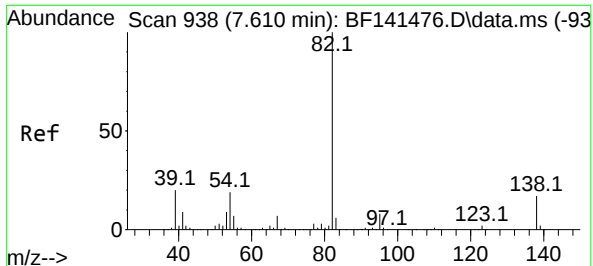
Tgt Ion:136 Resp: 365329
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 99.958 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

Tgt Ion: 82 Resp: 700131
Ion Ratio Lower Upper
82 100
128 44.4 34.8 52.2
54 56.9 48.2 72.4

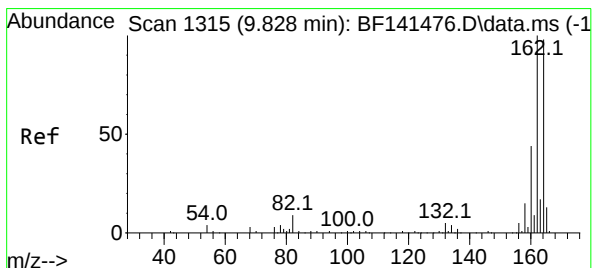
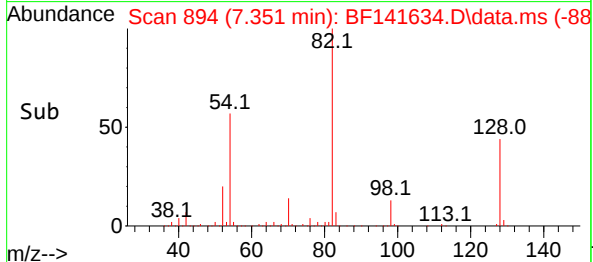
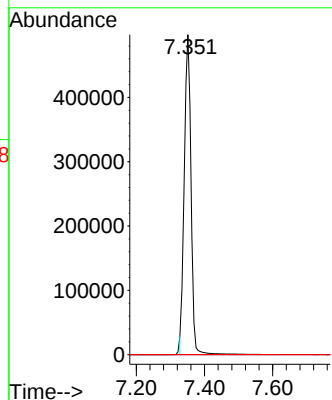
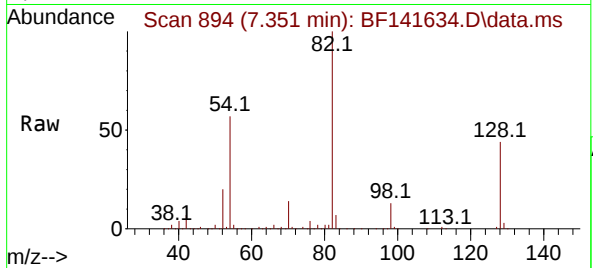




#25
Isophorone
Concen: 61.259 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

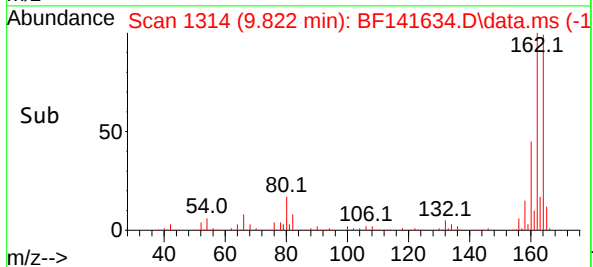
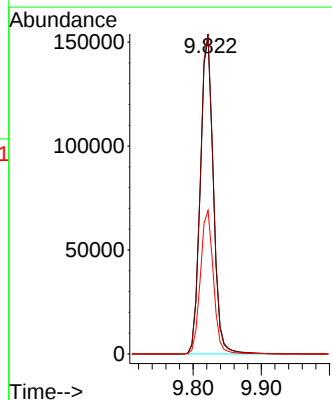
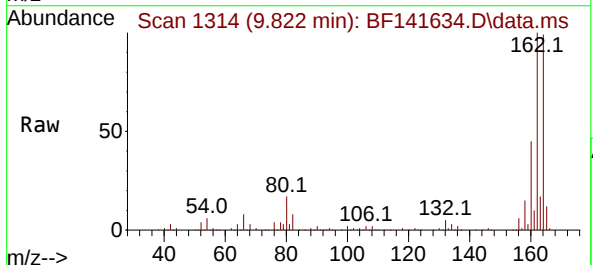
Instrument :
BNA_F
ClientSampleId :
CARBON-WATER

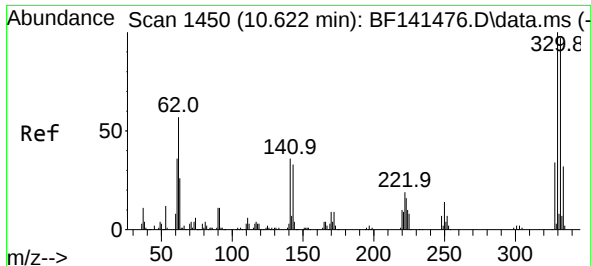
Tgt Ion: 82 Resp: 684142
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

Tgt Ion:164 Resp: 201365
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 45.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 148.599 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141634.D

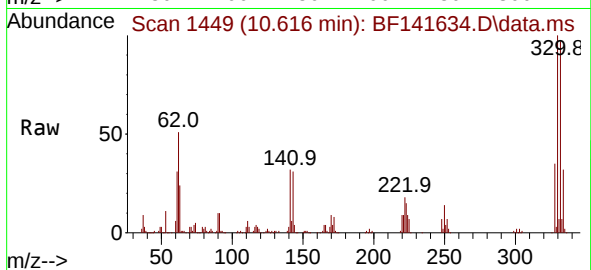
Acq: 14 Feb 2025 12:44

Instrument :

BNA_F

ClientSampleId :

CARBON-WATER



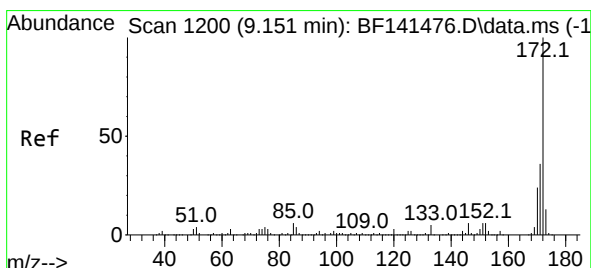
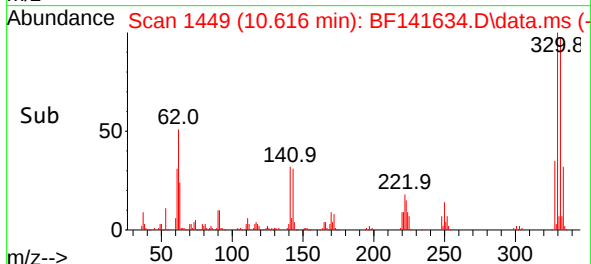
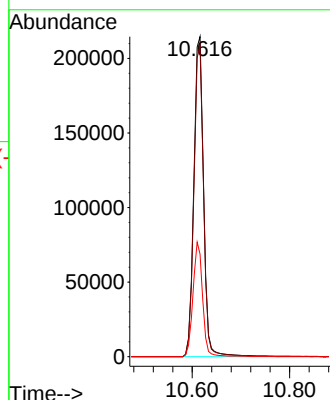
Tgt Ion:330 Resp: 300586

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 35.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 97.366 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141634.D

Acq: 14 Feb 2025 12:44

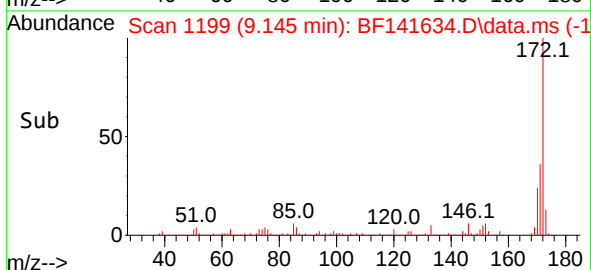
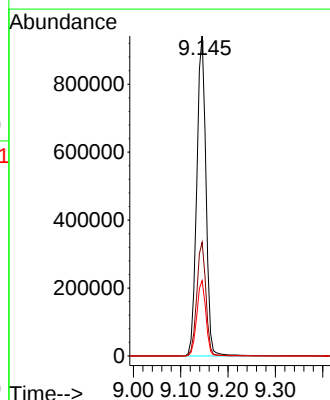
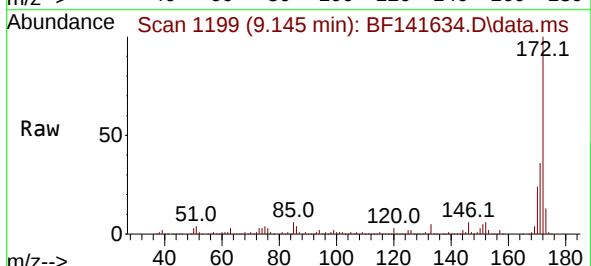
Tgt Ion:172 Resp: 1272597

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.5 18.9 28.3

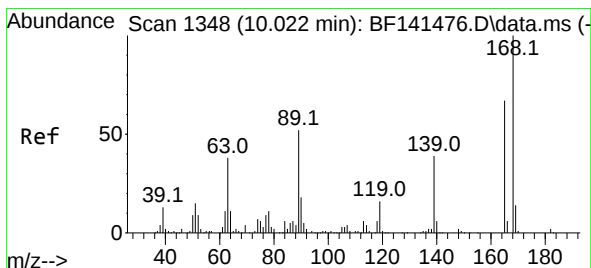
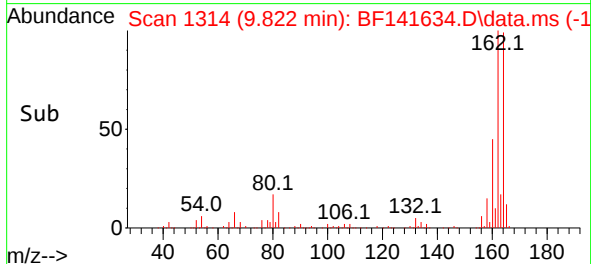
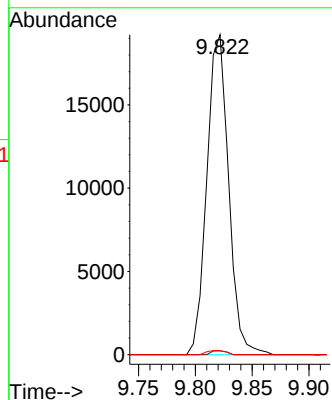
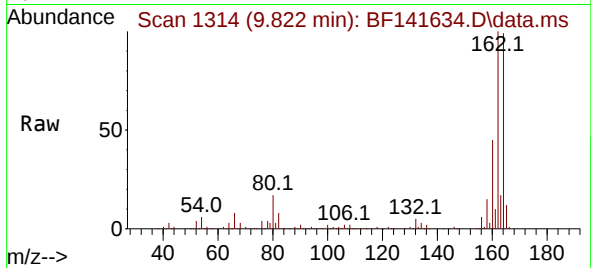




#51
2,6-Dinitrotoluene
Concen: 8.581 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

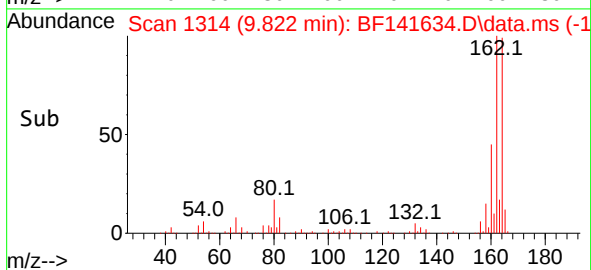
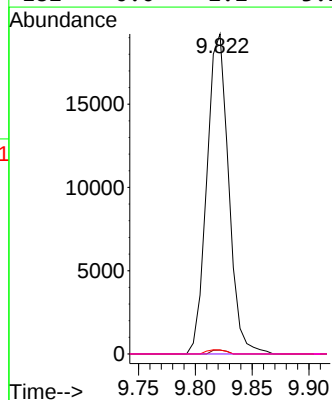
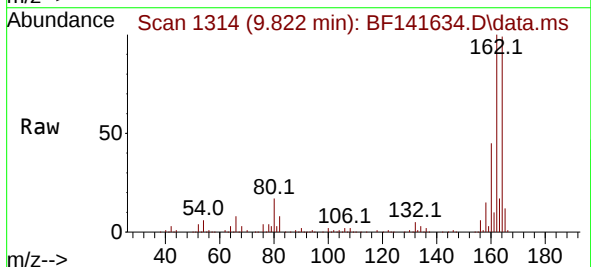
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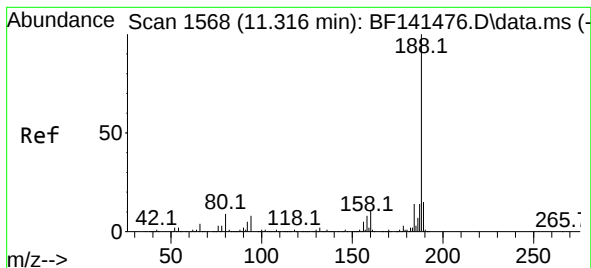
Tgt Ion:165 Resp: 25643
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.446 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF141634.D
Acq: 14 Feb 2025 12:44

Tgt Ion:165 Resp: 25643
Ion Ratio Lower Upper
165 100
63 1.2 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: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141634.D

Acq: 14 Feb 2025 12:44

Instrument :

BNA_F

ClientSampleId :

CARBON-WATER

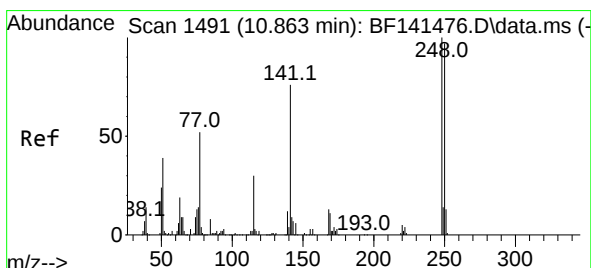
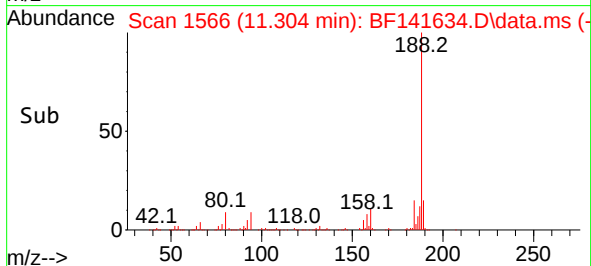
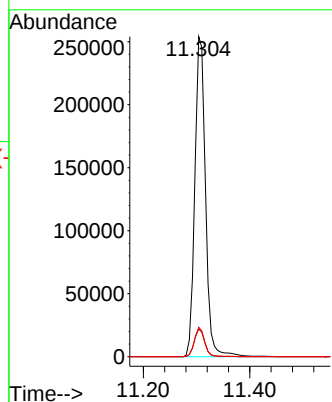
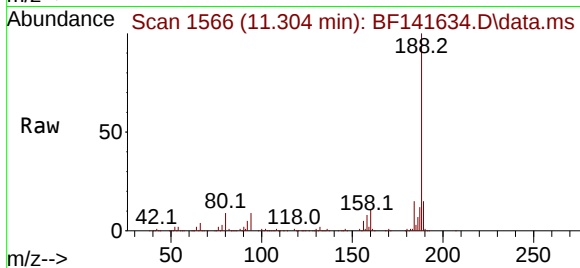
Tgt Ion:188 Resp: 353948

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.164 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141634.D

Acq: 14 Feb 2025 12:44

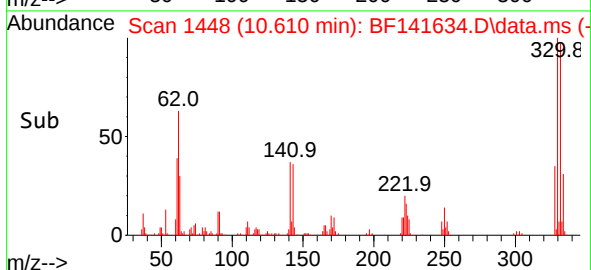
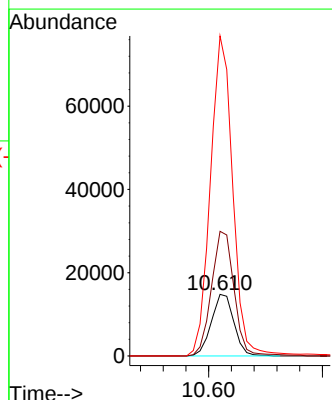
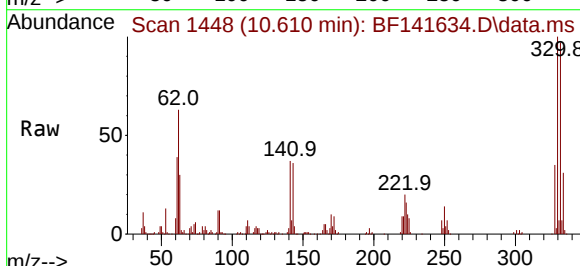
Tgt Ion:248 Resp: 20426

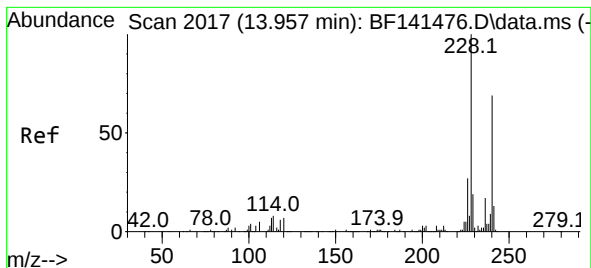
Ion Ratio Lower Upper

248 100

250 202.5 77.8 116.6#

141 519.9 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141634.D

Acq: 14 Feb 2025 12:44

Instrument :

BNA_F

ClientSampleId :

CARBON-WATER

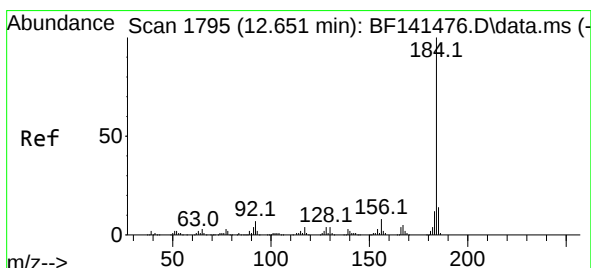
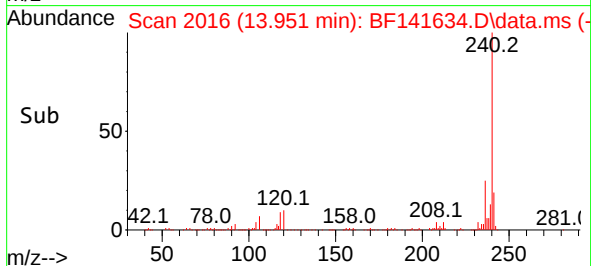
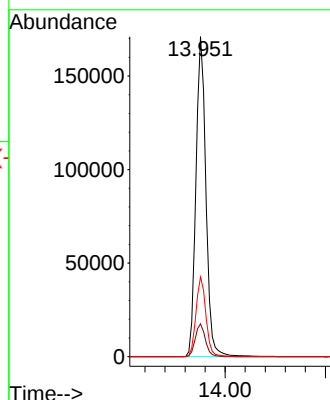
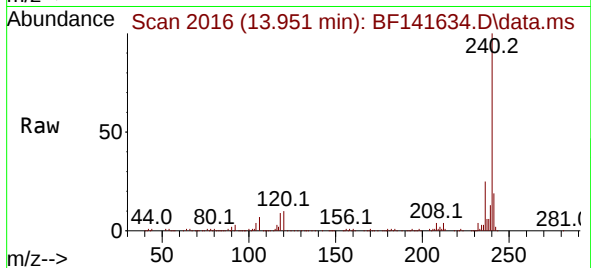
Tgt Ion:240 Resp: 236182

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 24.9 19.8 29.8



#77

Benzdine

Concen: 3.814 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141634.D

Acq: 14 Feb 2025 12:44

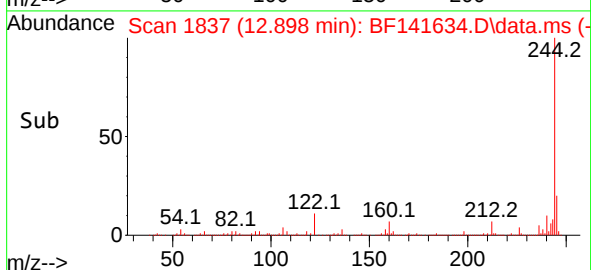
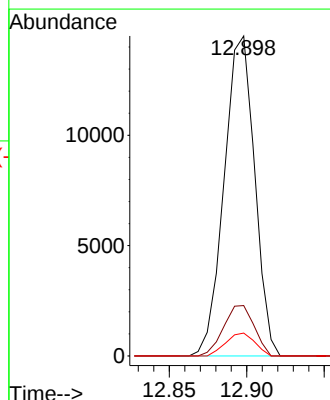
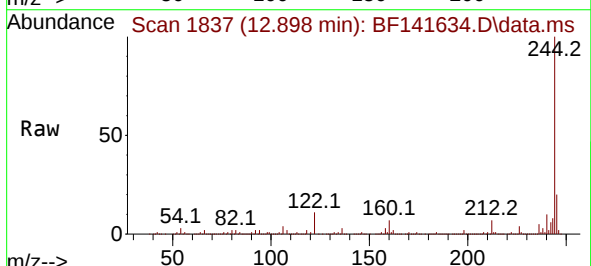
Tgt Ion:184 Resp: 19864

Ion Ratio Lower Upper

184 100

185 15.7 11.3 16.9

183 7.2 9.3 13.9#

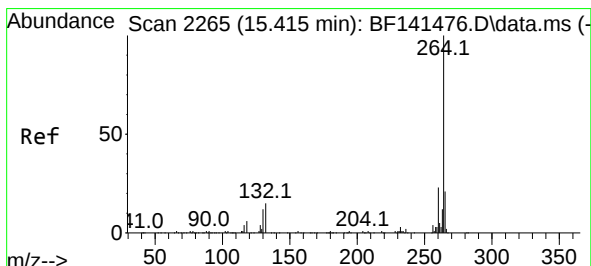
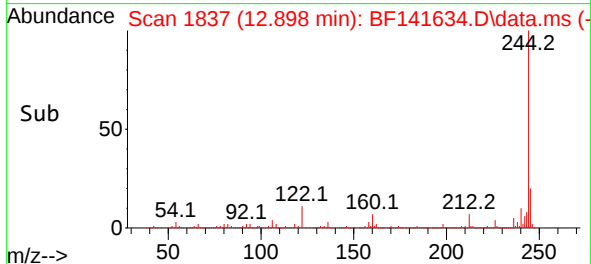
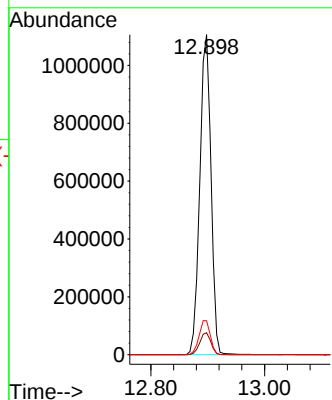
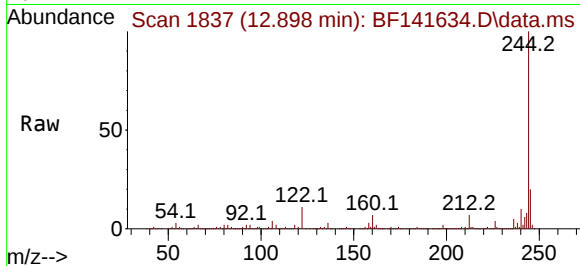




#79
 Terphenyl-d14
 Concen: 108.363 ng
 RT: 12.898 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF141634.D
 Acq: 14 Feb 2025 12:44

Instrument :
 BNA_F
 ClientSampleId :
 CARBON-WATER

Tgt Ion:244 Resp: 1516039
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.6 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2266
 Delta R.T. 0.006 min
 Lab File: BF141634.D
 Acq: 14 Feb 2025 12:44

Tgt Ion:264 Resp: 171071
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 22.0 17.0 25.4

