

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141675.D
 Acq On : 19 Feb 2025 15:16
 Operator : RC/JU
 Sample : Q1382-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-02-021725

Quant Time: Feb 19 15:38:12 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)

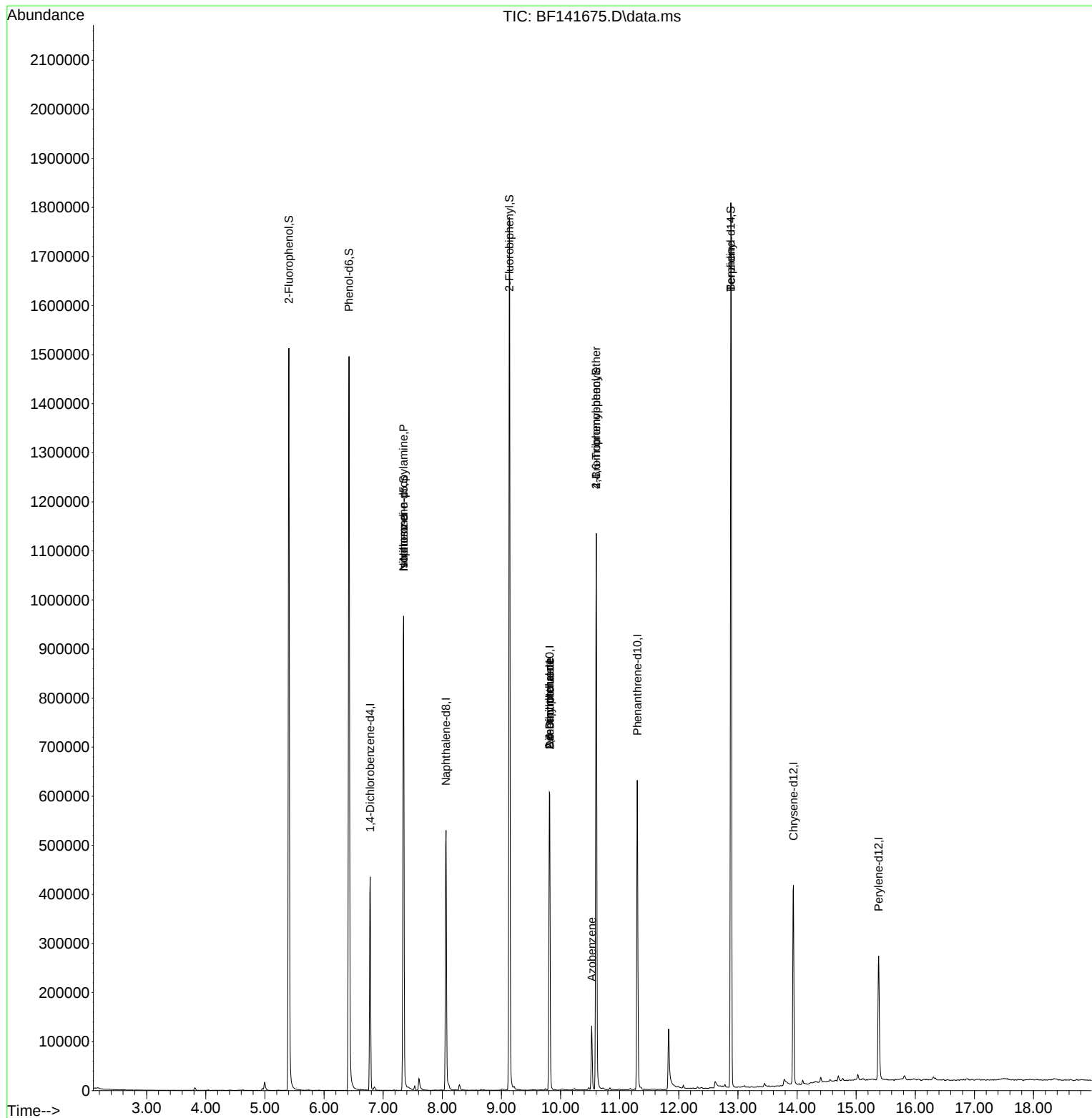
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91933	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	370450	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	198085	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	340993	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	211148	20.000	ng	-0.02
86) Perylene-d12	15.380	264	158885	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	572239	97.585	ng	0.00
7) Phenol-d6	6.422	99	704753	95.087	ng	-0.02
23) Nitrobenzene-d5	7.345	82	455840	64.181	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	185829	93.388	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	812023	63.157	ng	-0.02
79) Terphenyl-d14	12.880	244	915967	73.233	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	61513	13.875	ng	# 73
25) Isophorone	7.345	82	441613	38.996	ng	# 66
50) Dimethylphthalate	9.816	163	29765	2.213	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	25731	8.753	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	25731	6.575	ng	# 18
63) Azobenzene	10.528	77	32630	2.481	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	12930	3.393	ng	# 1
77) Benzidine	12.880	184	12201	2.620	ng	# 90

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

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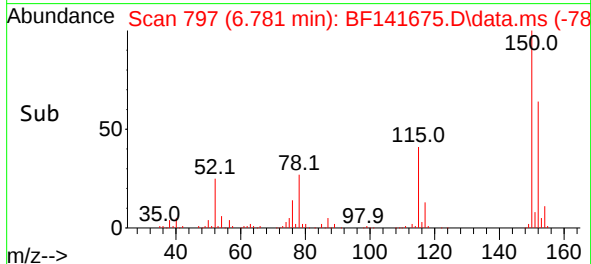
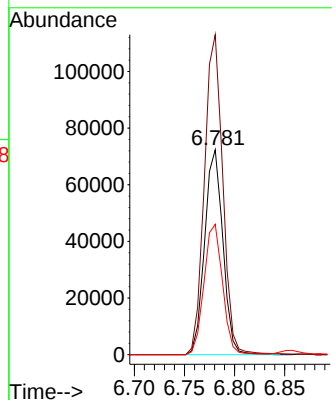
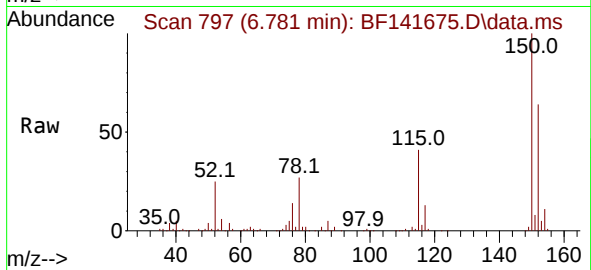




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141675.D
 Acq: 19 Feb 2025 15:16

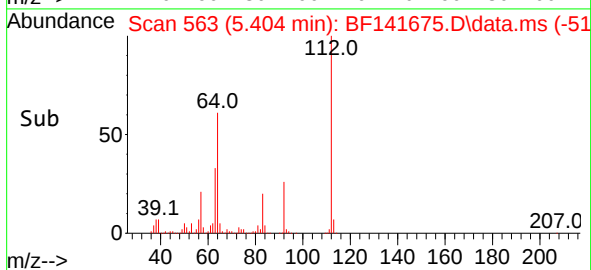
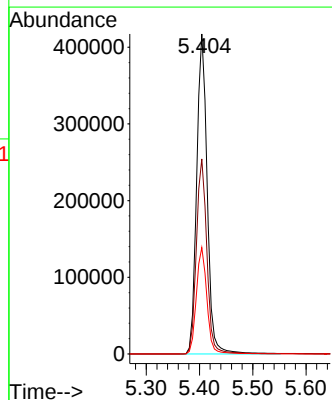
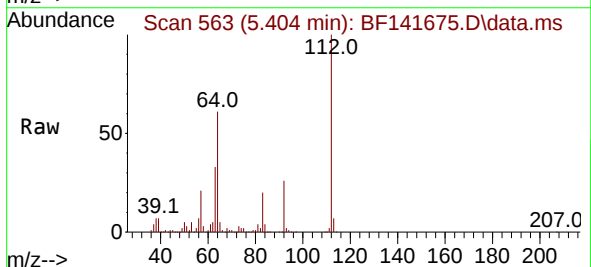
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-02-021725

Tgt Ion:152 Resp: 91933
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.0 187.4
 115 63.7 53.6 80.4



#5
 2-Fluorophenol
 Concen: 97.585 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141675.D
 Acq: 19 Feb 2025 15:16

Tgt Ion:112 Resp: 572239
 Ion Ratio Lower Upper
 112 100
 64 61.0 51.1 76.7
 63 33.2 28.4 42.6

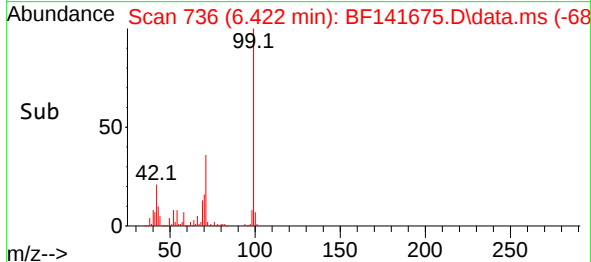
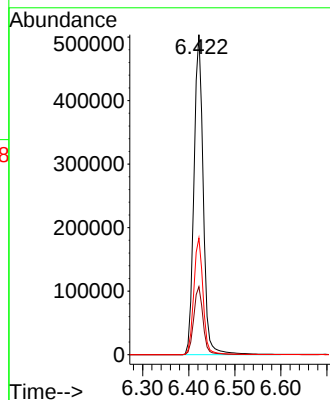
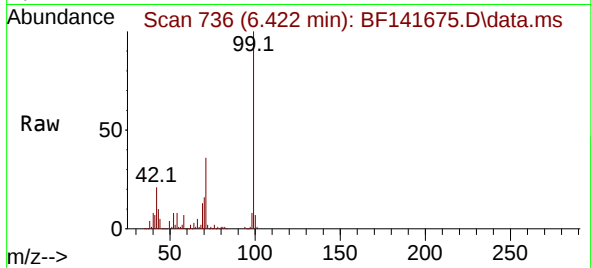




#7
Phenol-d6
Concen: 95.087 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

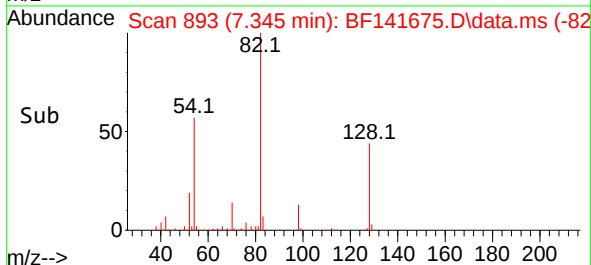
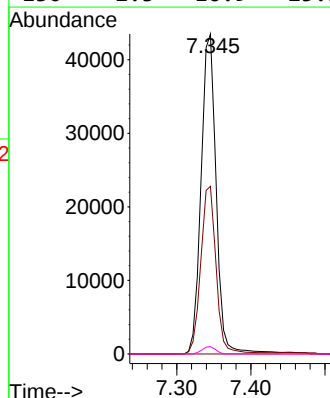
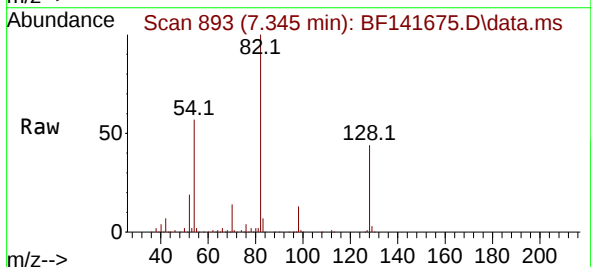
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-02-021725

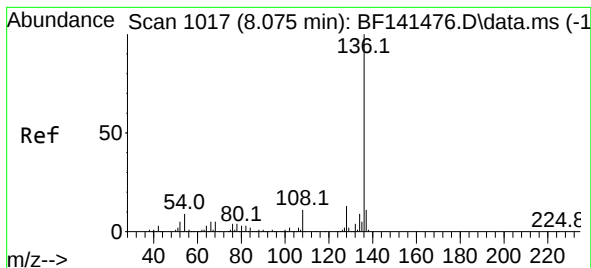
Tgt Ion: 99 Resp: 704753
Ion Ratio Lower Upper
99 100
42 21.2 19.1 28.7
71 36.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.875 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

Tgt Ion: 70 Resp: 61513
Ion Ratio Lower Upper
70 100
42 52.4 57.4 86.2#
101 0.0 8.0 12.0#
130 2.3 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141675.D

Acq: 19 Feb 2025 15:16

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-02-021725

Tgt Ion:136 Resp: 370450

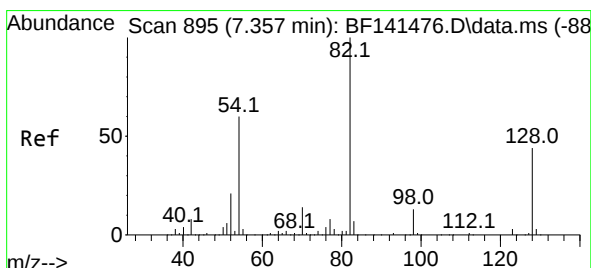
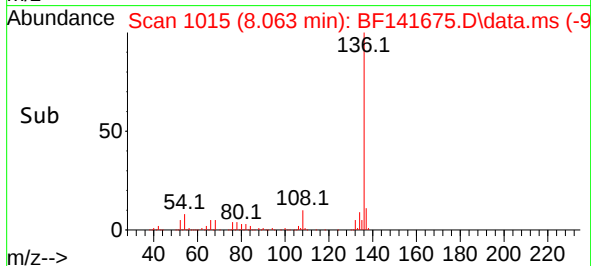
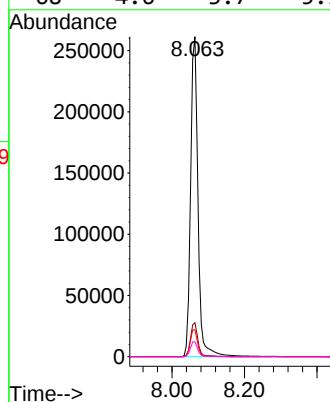
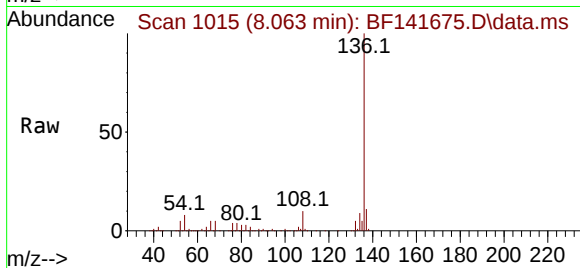
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.4 7.2 10.8

68 4.6 3.7 5.5



#23

Nitrobenzene-d5

Concen: 64.181 ng

RT: 7.345 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF141675.D

Acq: 19 Feb 2025 15:16

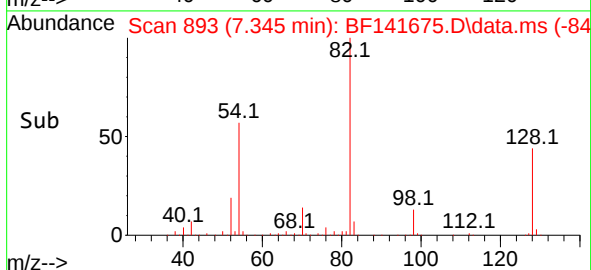
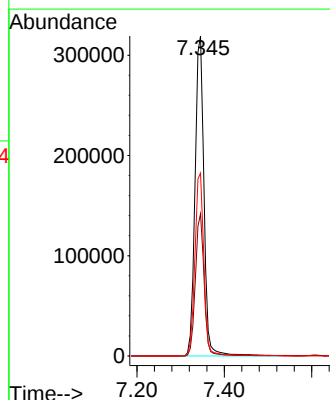
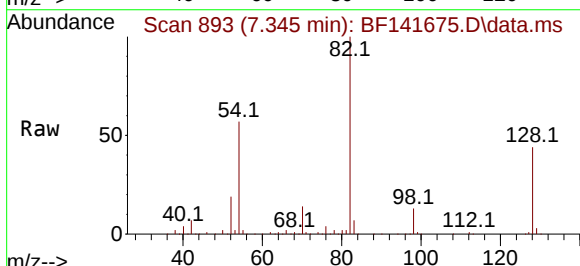
Tgt Ion: 82 Resp: 455840

Ion Ratio Lower Upper

82 100

128 44.4 34.8 52.2

54 57.2 48.2 72.4

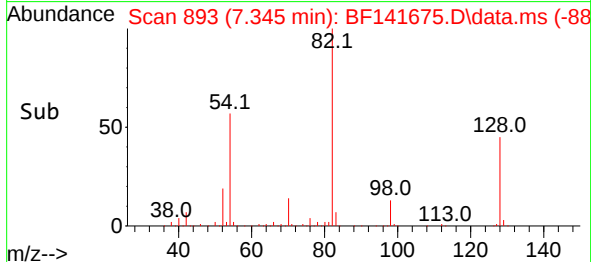
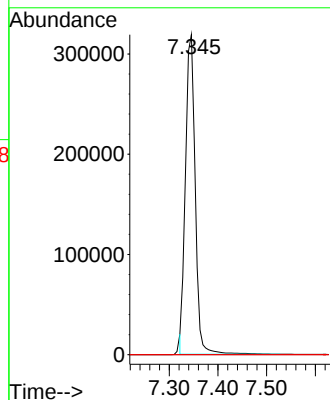
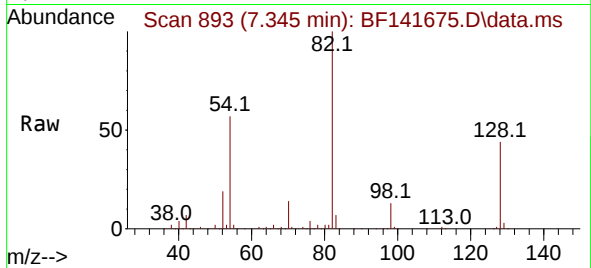




#25
Isophorone
Concen: 38.996 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

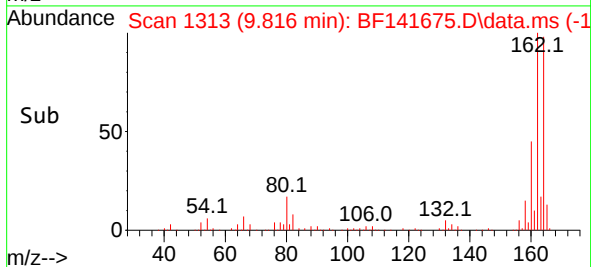
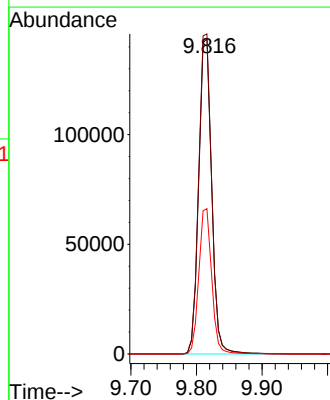
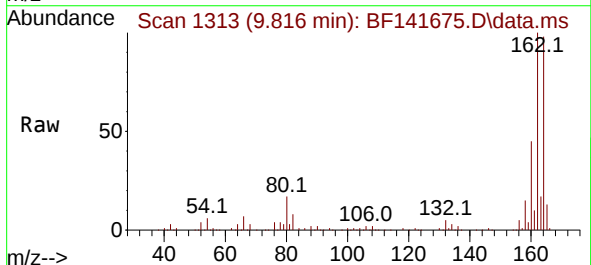
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-02-021725

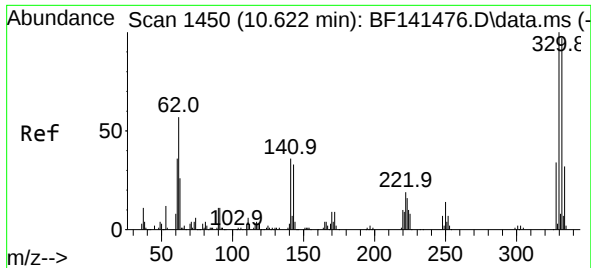
Tgt Ion: 82 Resp: 441613
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

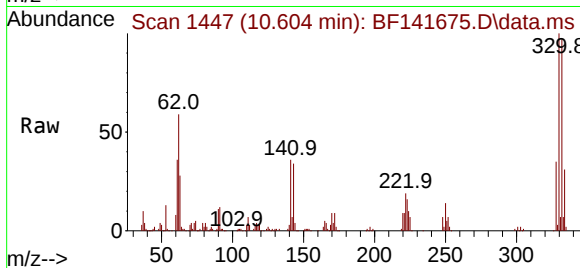
Tgt Ion:164 Resp: 198085
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 46.1 35.9 53.9



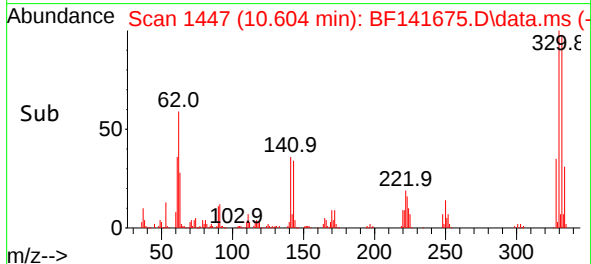
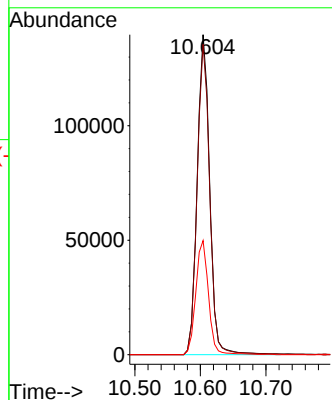


#42
2,4,6-Tribromophenol
Concen: 93.388 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-02-021725

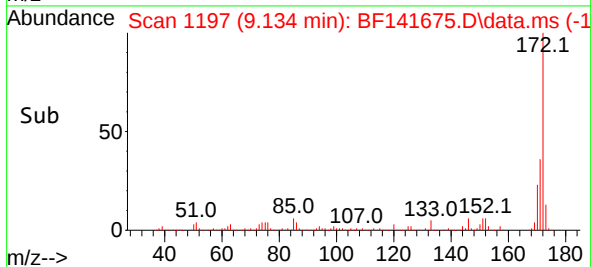
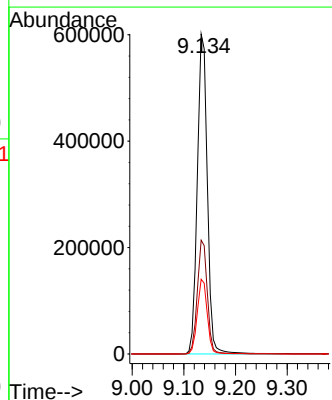
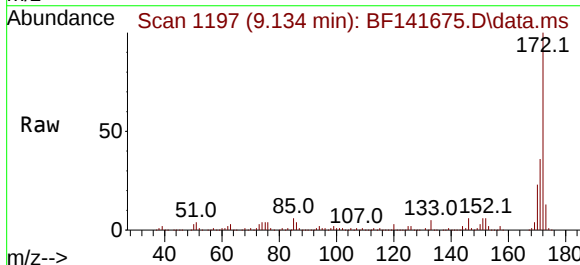


Tgt Ion: 330 Resp: 185829
Ion Ratio Lower Upper
330 100
332 97.5 78.5 117.7
141 36.2 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 63.157 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

Tgt Ion: 172 Resp: 812023
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.4 18.9 28.3

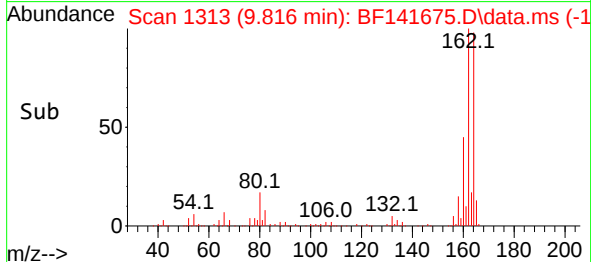
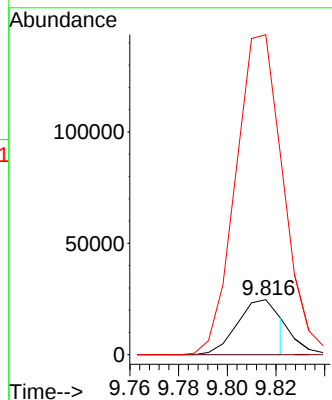
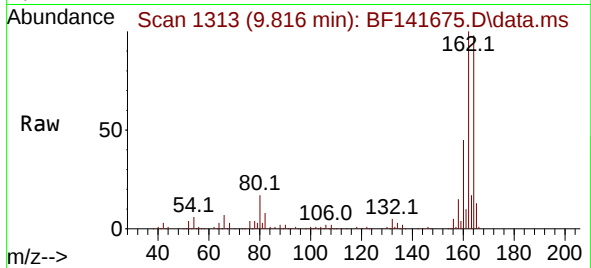




#50
Dimethylphthalate
Concen: 2.213 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

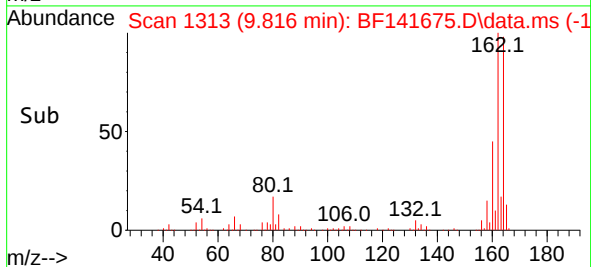
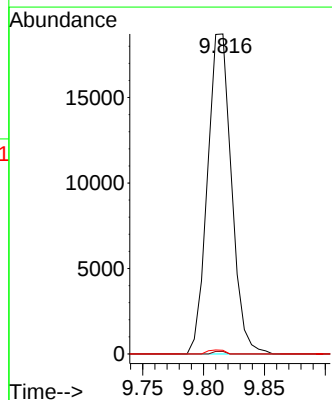
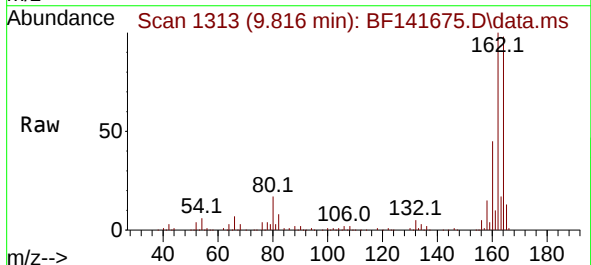
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-02-021725

Tgt Ion:163 Resp: 29765
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 581.2 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.753 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

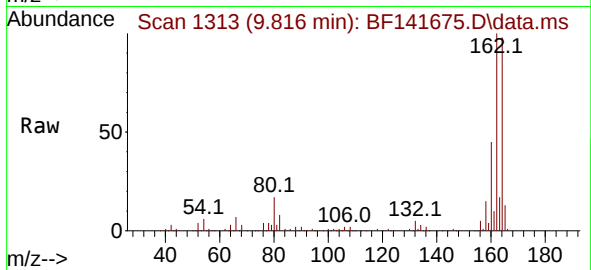
Tgt Ion:165 Resp: 25731
Ion Ratio Lower Upper
165 100
63 0.8 49.4 74.0#
89 1.1 46.5 69.7#



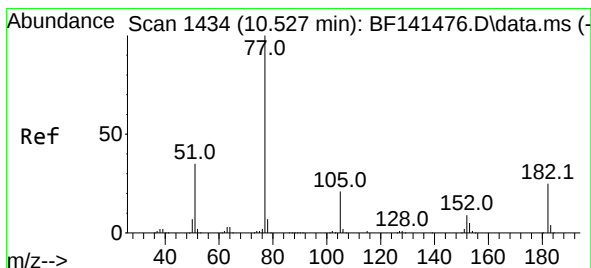
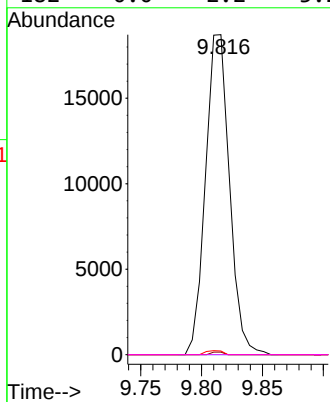
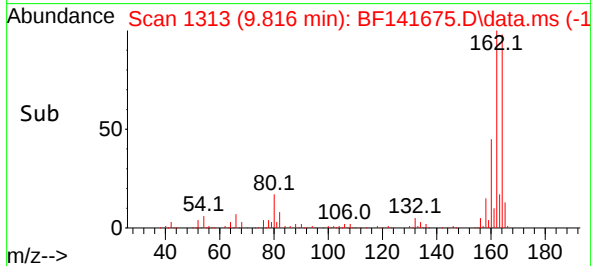


#57
2,4-Dinitrotoluene
Concen: 6.575 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-02-021725

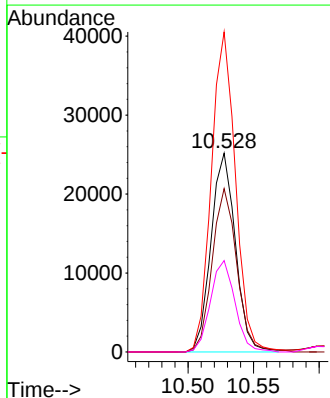
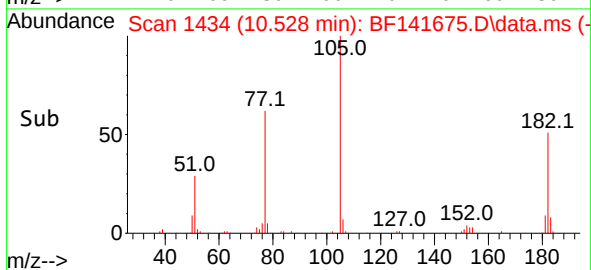
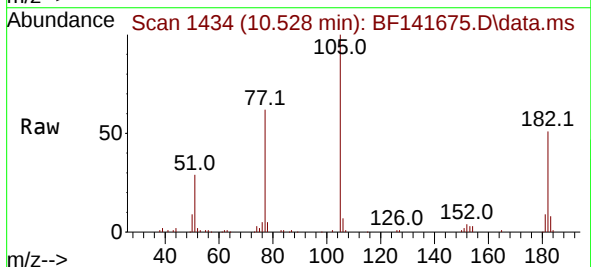


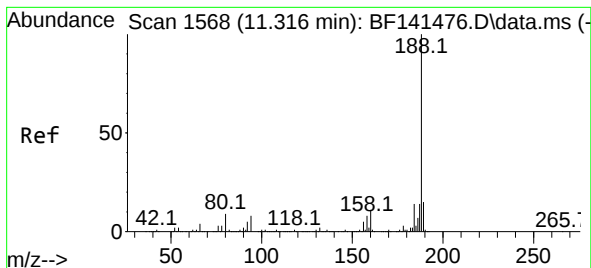
Tgt Ion:165 Resp: 25731
Ion Ratio Lower Upper
165 100
63 0.8 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.481 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141675.D
Acq: 19 Feb 2025 15:16

Tgt Ion: 77 Resp: 32630
Ion Ratio Lower Upper
77 100
182 82.2 4.7 44.7#
105 161.1 0.4 40.4#
51 46.0 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141675.D

Acq: 19 Feb 2025 15:16

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-02-021725

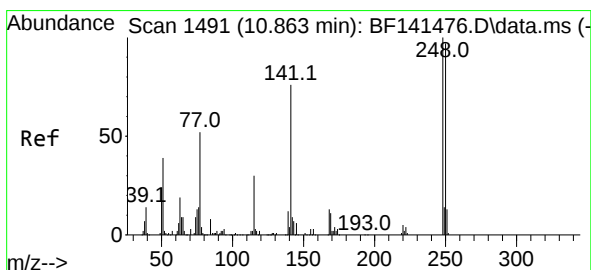
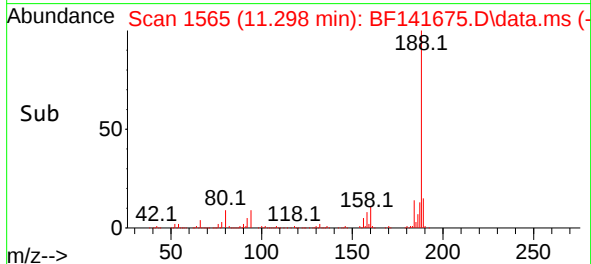
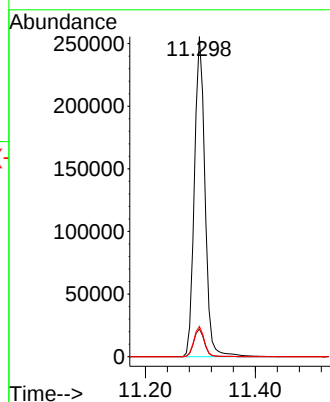
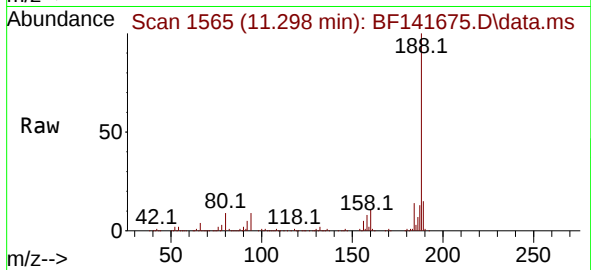
Tgt Ion:188 Resp: 340993

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.393 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141675.D

Acq: 19 Feb 2025 15:16

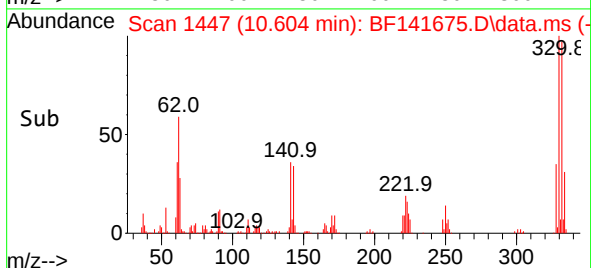
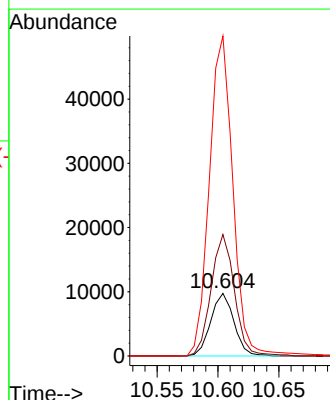
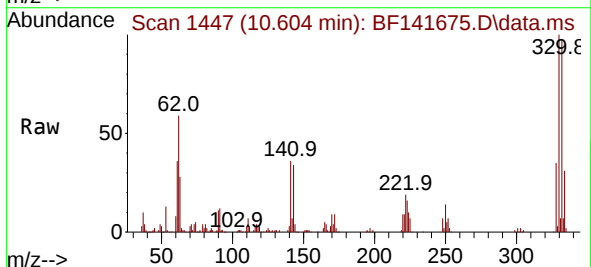
Tgt Ion:248 Resp: 12930

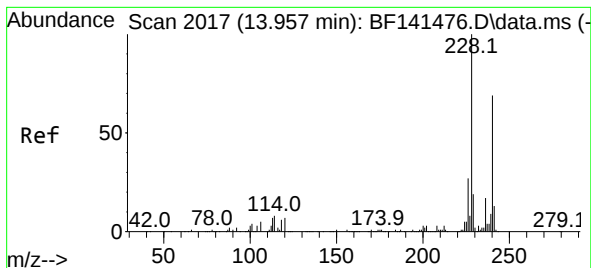
Ion Ratio Lower Upper

248 100

250 193.8 77.8 116.6#

141 511.0 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: BF141675.D

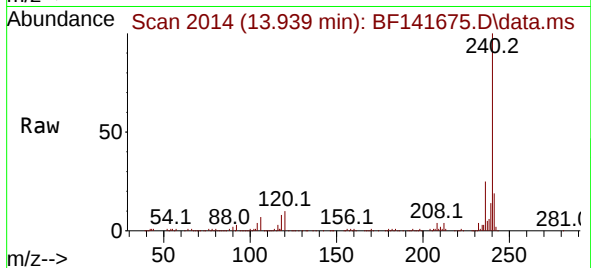
Acq: 19 Feb 2025 15:16

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-02-021725



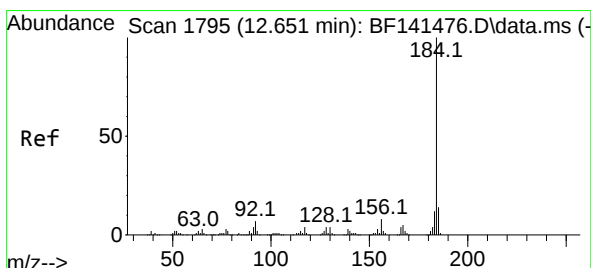
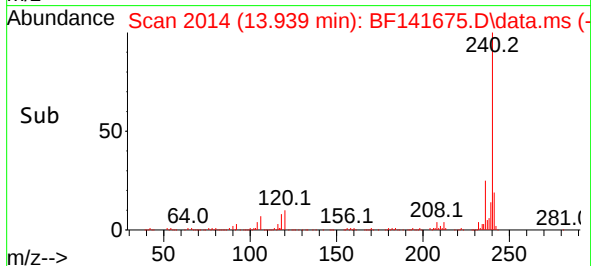
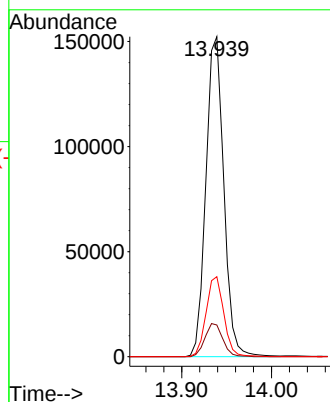
Tgt Ion:240 Resp: 211148

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

236 25.0 19.8 29.8



#77

Benzidine

Concen: 2.620 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141675.D

Acq: 19 Feb 2025 15:16

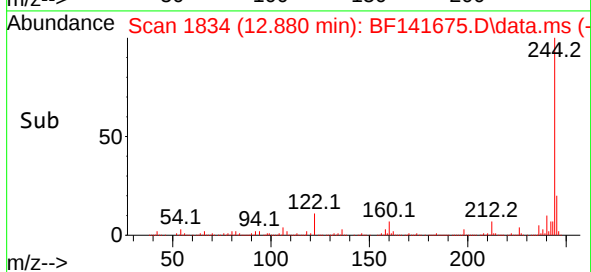
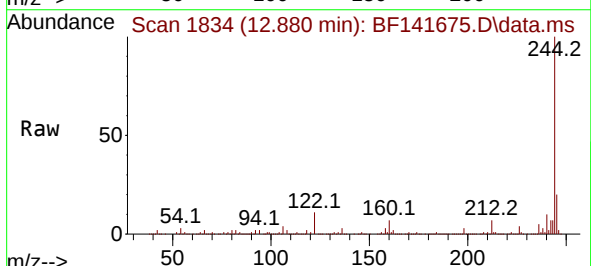
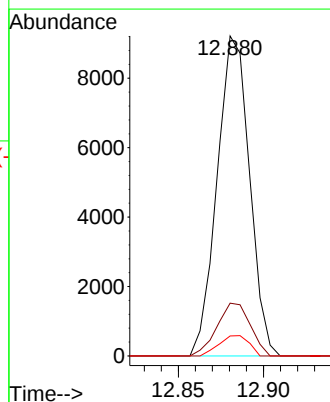
Tgt Ion:184 Resp: 12201

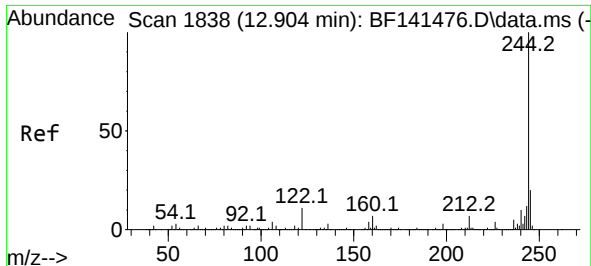
Ion Ratio Lower Upper

184 100

185 16.5 11.3 16.9

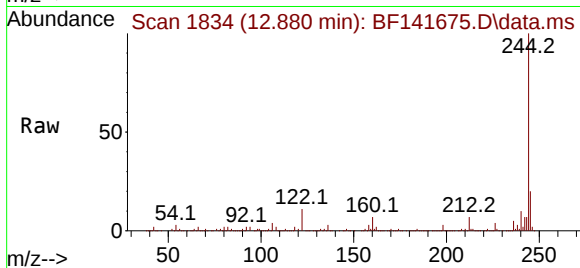
183 6.2 9.3 13.9#



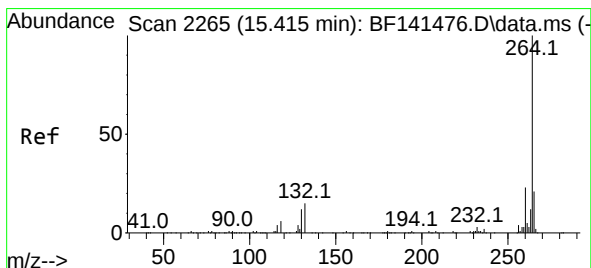
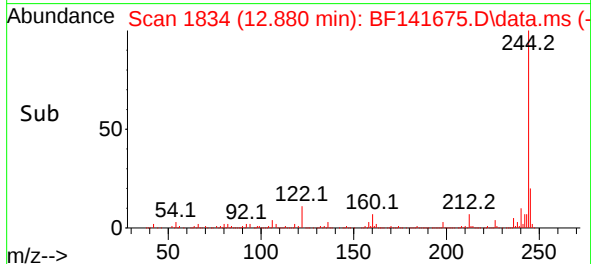
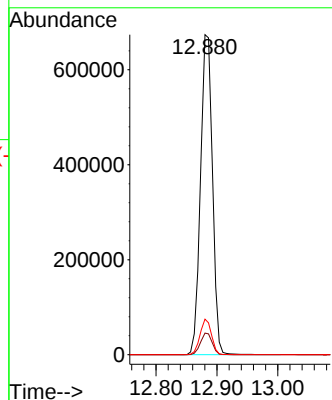


#79
 Terphenyl-d14
 Concen: 73.233 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141675.D
 Acq: 19 Feb 2025 15:16

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-02-021725



Tgt Ion:244 Resp: 915967
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.1 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: BF141675.D
 Acq: 19 Feb 2025 15:16

Tgt Ion:264 Resp: 158885
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.3 17.0 25.4

