

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141689.D
 Acq On : 19 Feb 2025 22:07
 Operator : RC/JU
 Sample : Q1383-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-14-021725

Quant Time: Feb 20 00:15:38 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)

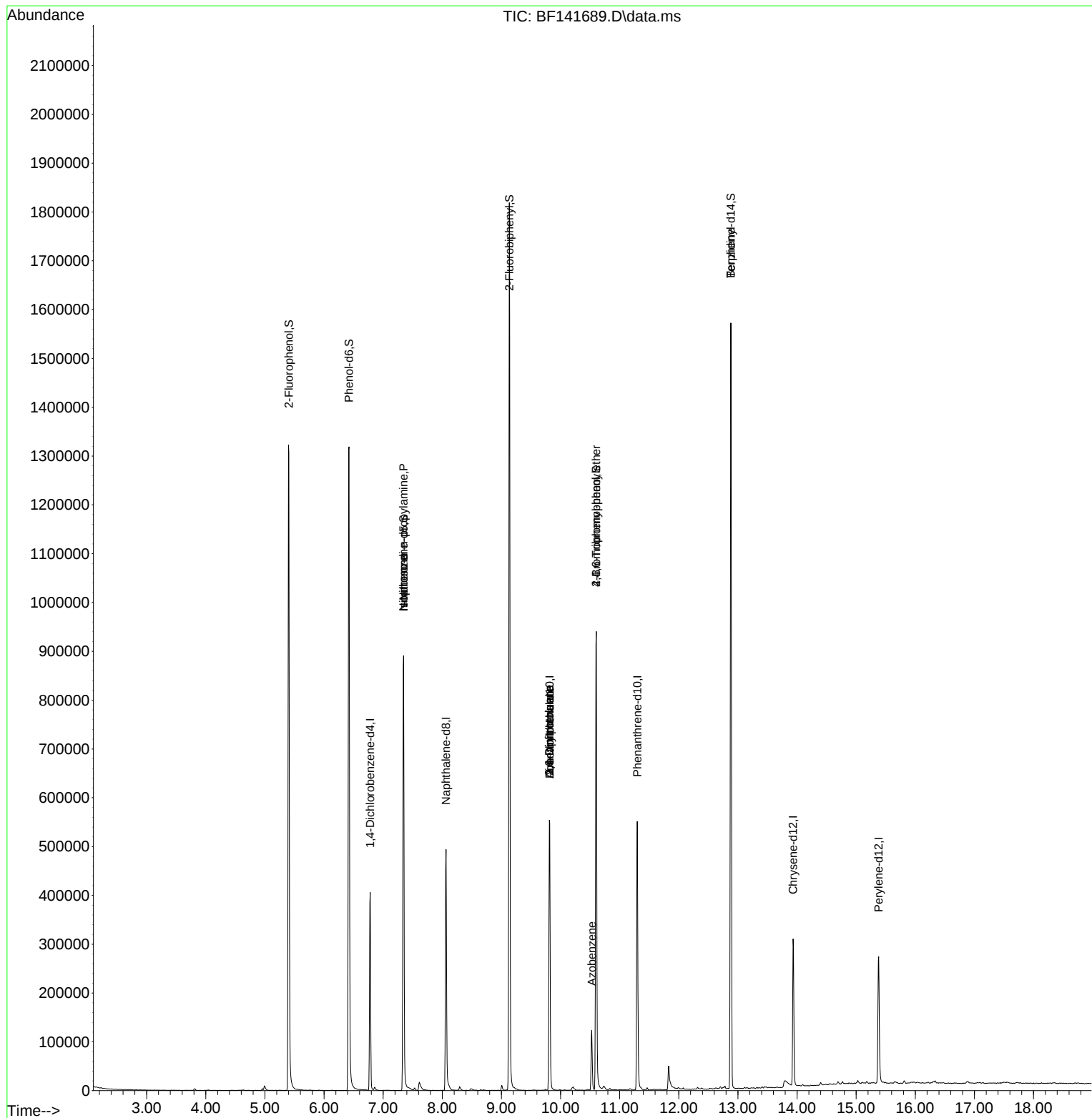
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87499	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	348299	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	182351	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	309267	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	162170	20.000	ng	-0.03
86) Perylene-d12	15.380	264	167944	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	529826	94.930	ng	0.00
7) Phenol-d6	6.422	99	644588	91.377	ng	-0.02
23) Nitrobenzene-d5	7.345	82	424630	63.589	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	165617	90.412	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	816714	69.002	ng	-0.02
79) Terphenyl-d14	12.880	244	766330	79.774	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	56596	13.413	ng	# 72
25) Isophorone	7.345	82	413714	38.856	ng	# 66
50) Dimethylphthalate	9.816	163	27940	2.257	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	22738	8.402	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	22738	6.312	ng	# 18
63) Azobenzene	10.528	77	32264	2.665	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	11029	3.191	ng	# 1
77) Benzidine	12.880	184	10072	2.816	ng	# 92

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

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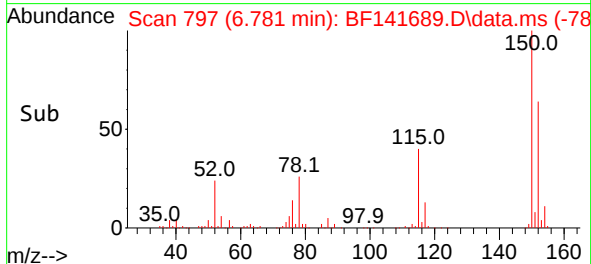
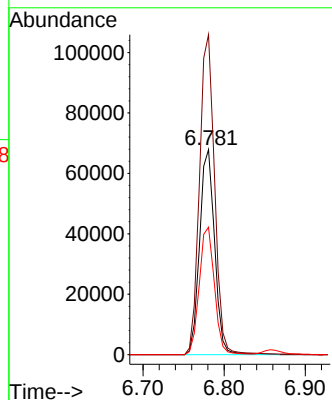
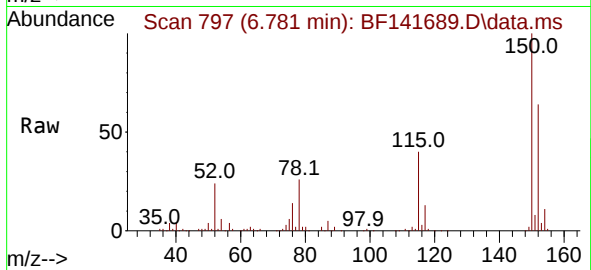




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141689.D
 Acq: 19 Feb 2025 22:07

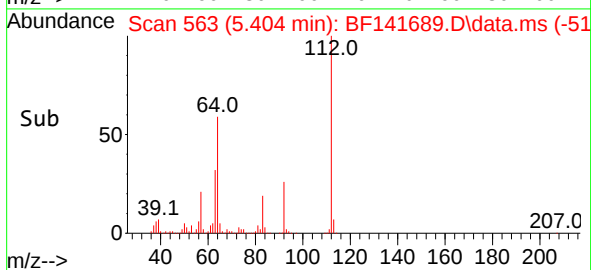
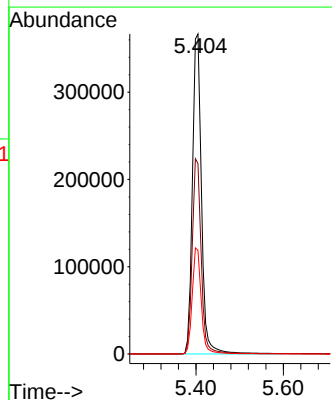
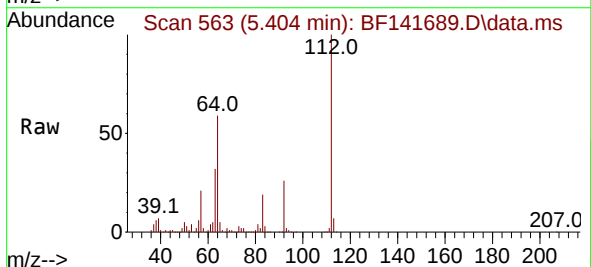
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-14-021725

Tgt Ion:152 Resp: 87499
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.0 187.4
 115 62.2 53.6 80.4



#5
 2-Fluorophenol
 Concen: 94.930 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141689.D
 Acq: 19 Feb 2025 22:07

Tgt Ion:112 Resp: 529826
 Ion Ratio Lower Upper
 112 100
 64 59.5 51.1 76.7
 63 32.4 28.4 42.6

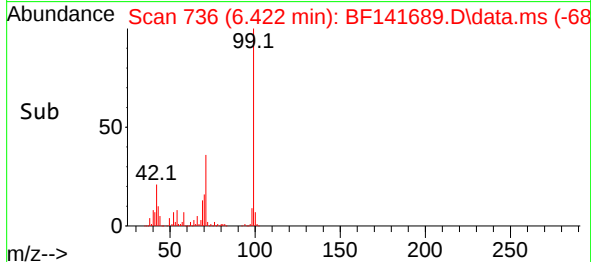
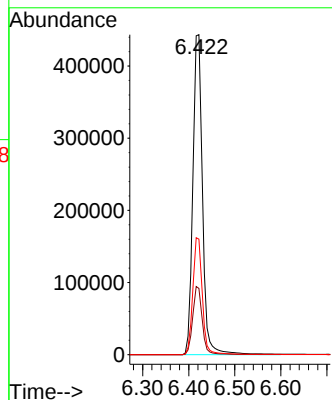
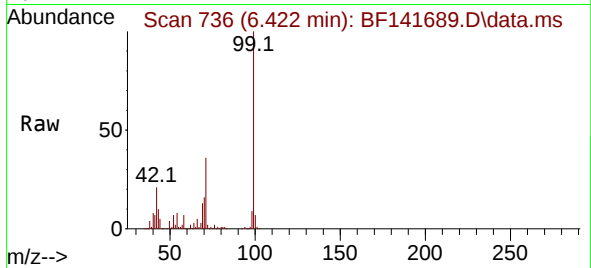




#7
Phenol-d6
Concen: 91.377 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

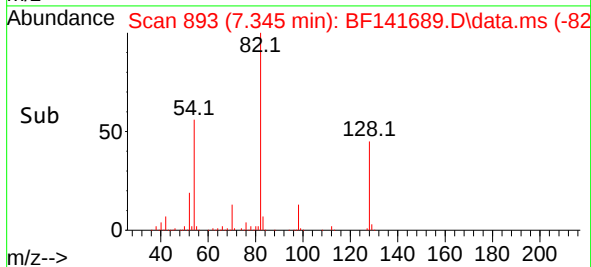
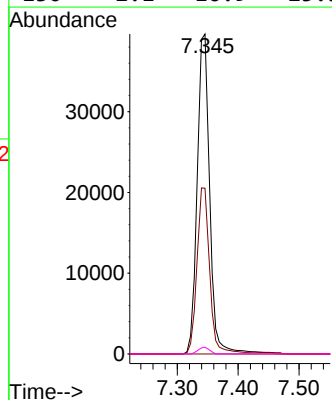
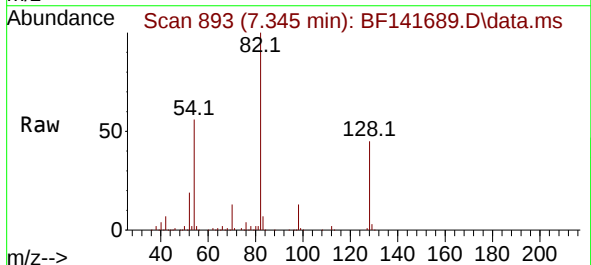
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion: 99 Resp: 644588
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 36.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.413 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion: 70 Resp: 56596
Ion Ratio Lower Upper
70 100
42 51.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

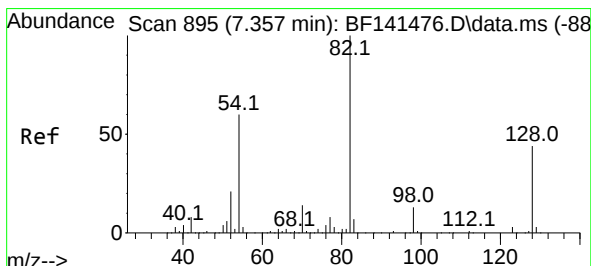
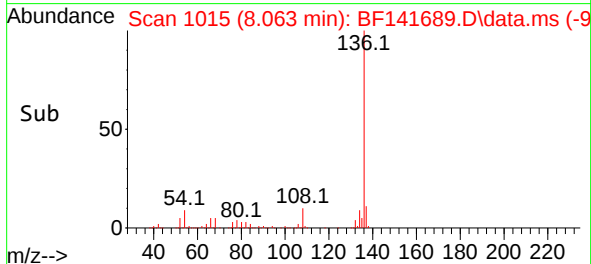
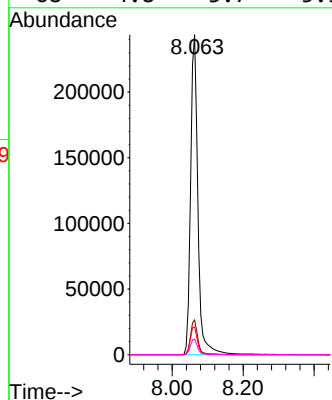
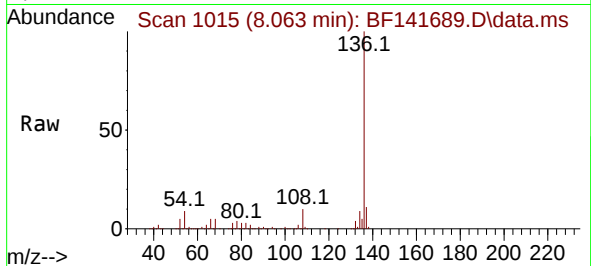




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

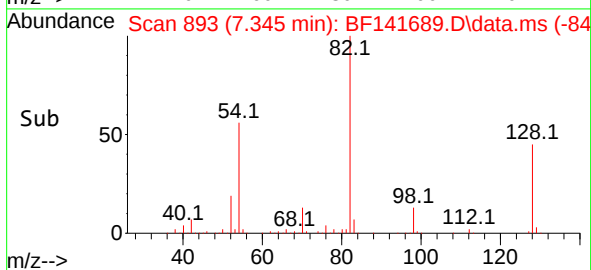
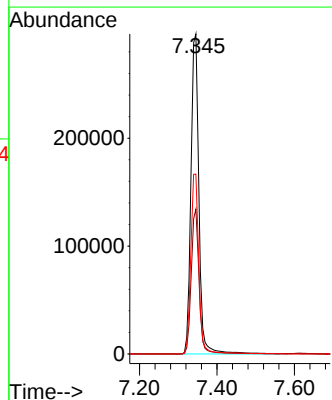
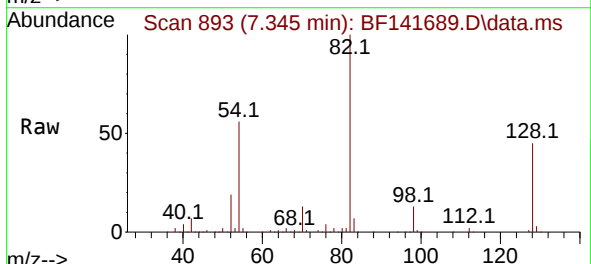
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

Tgt Ion:136 Resp: 348299
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 63.589 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

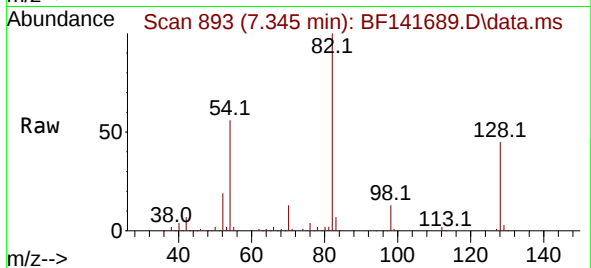
Tgt Ion: 82 Resp: 424630
Ion Ratio Lower Upper
82 100
128 45.2 34.8 52.2
54 56.2 48.2 72.4



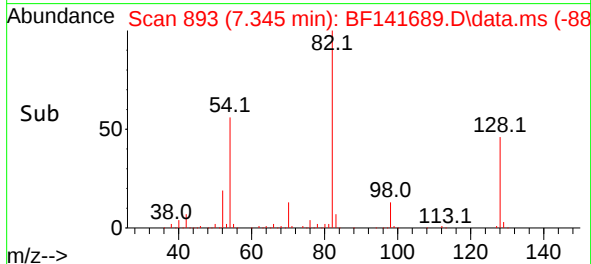
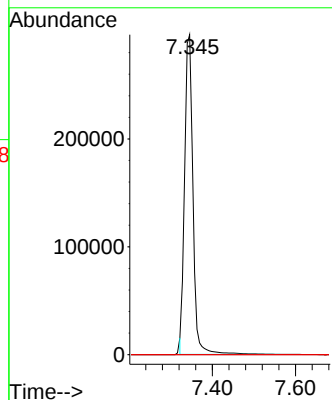


#25
Isophorone
Concen: 38.856 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

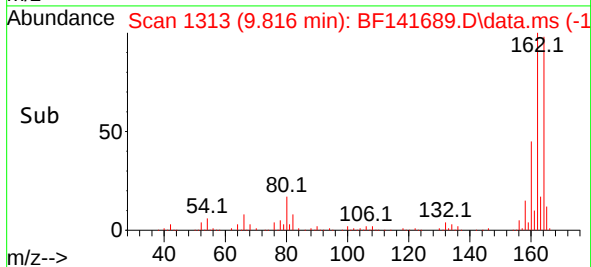
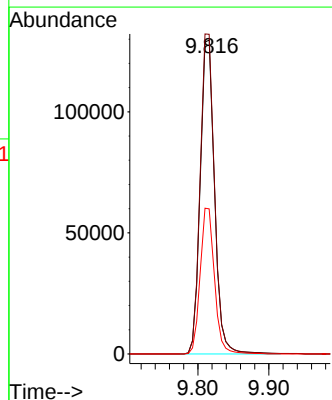
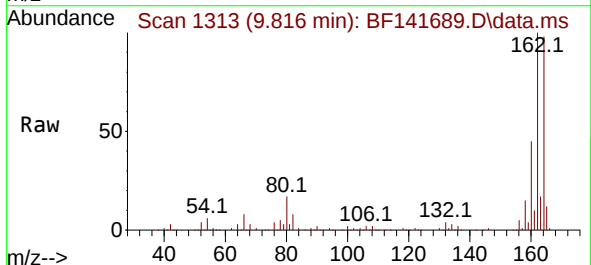


Tgt Ion: 82 Resp: 413714
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion:164 Resp: 182351
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 46.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 90.412 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141689.D

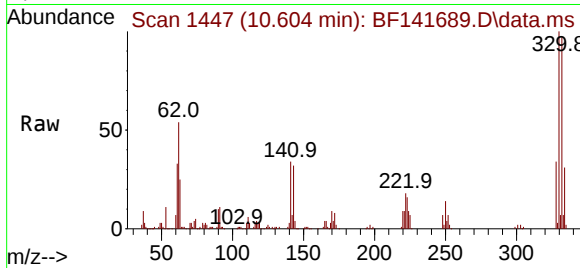
Acq: 19 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-14-021725



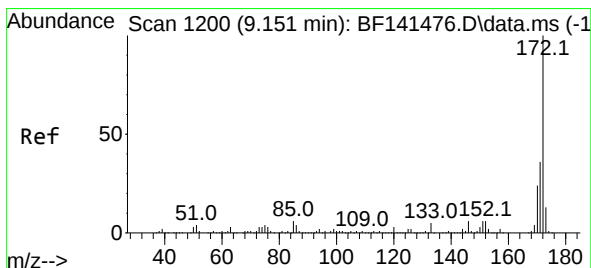
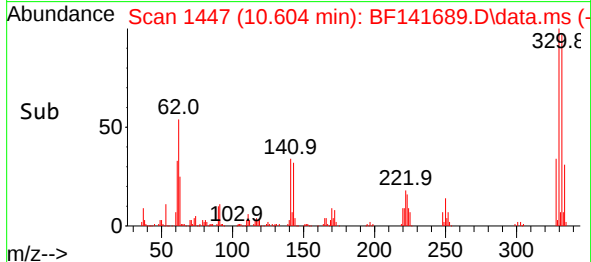
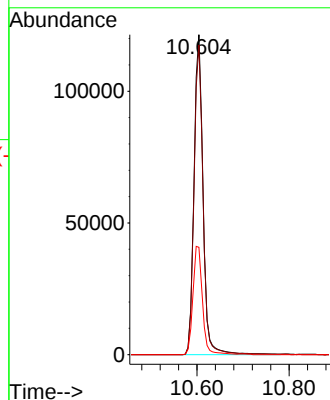
Tgt Ion:330 Resp: 165617

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 35.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 69.002 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141689.D

Acq: 19 Feb 2025 22:07

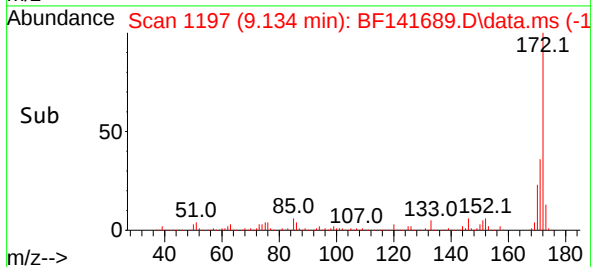
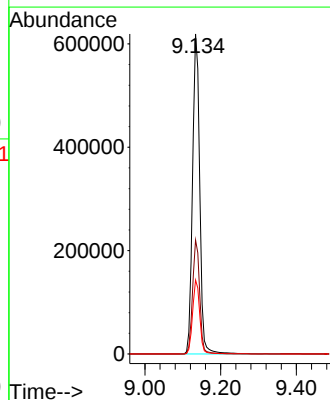
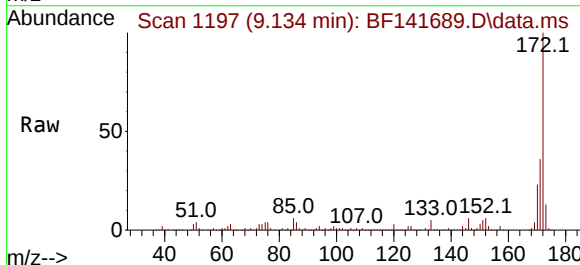
Tgt Ion:172 Resp: 816714

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.1 18.9 28.3

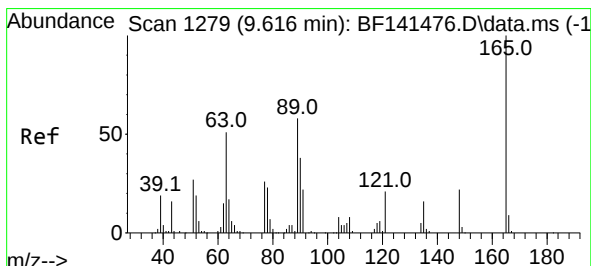
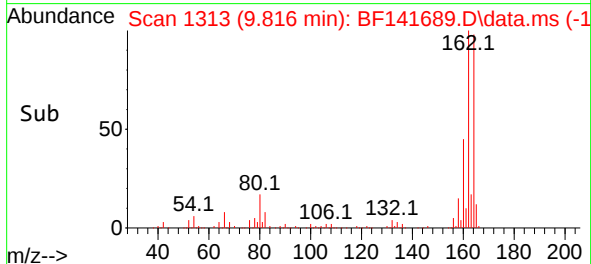
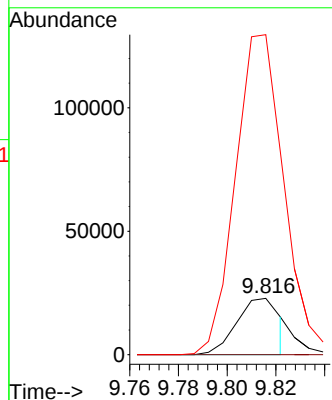
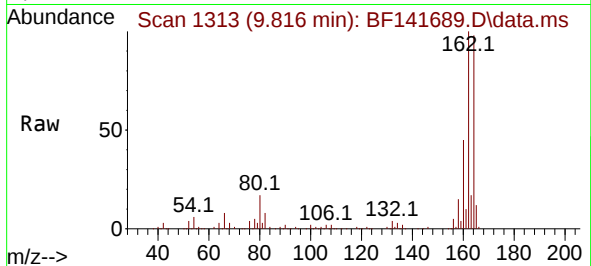




#50
Dimethylphthalate
Concen: 2.257 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

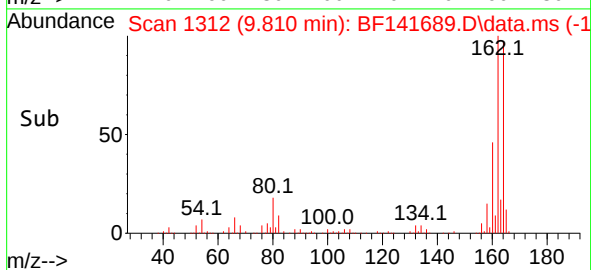
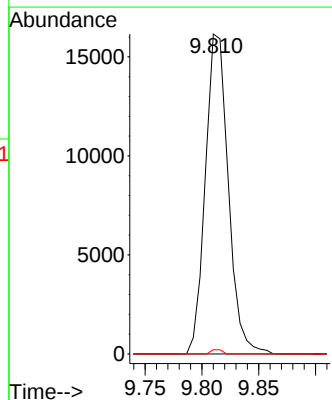
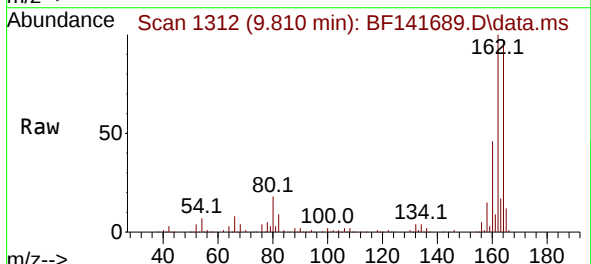
Instrument :
BNA_F
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OU4-PCS-TC-14-021725

Tgt Ion:163 Resp: 27940
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 567.4 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.402 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

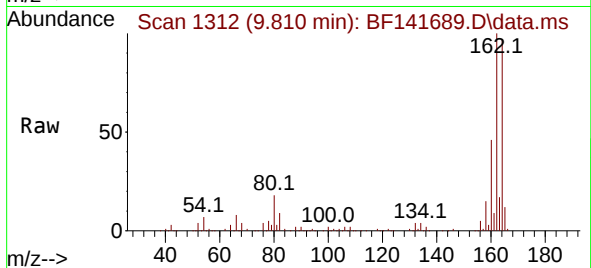
Tgt Ion:165 Resp: 22738
Ion Ratio Lower Upper
165 100
63 0.0 49.4 74.0#
89 1.3 46.5 69.7#



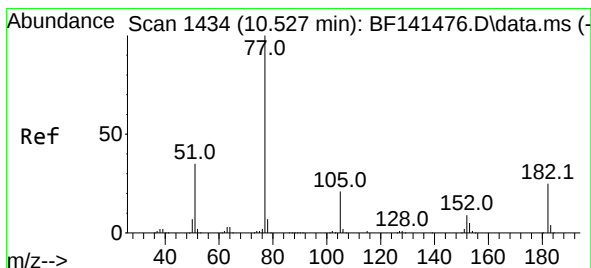
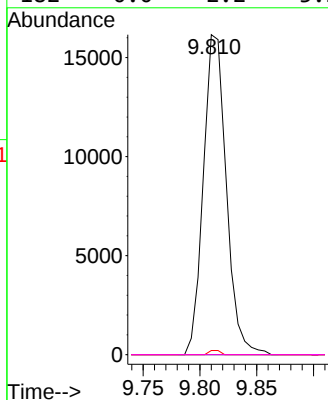
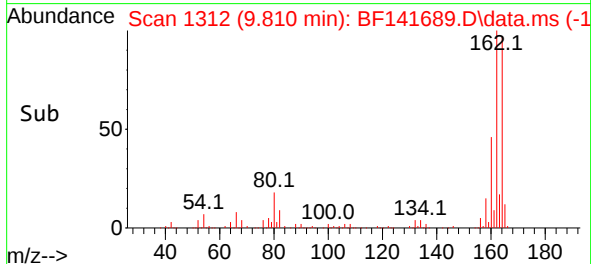


#57
2,4-Dinitrotoluene
Concen: 6.312 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-14-021725

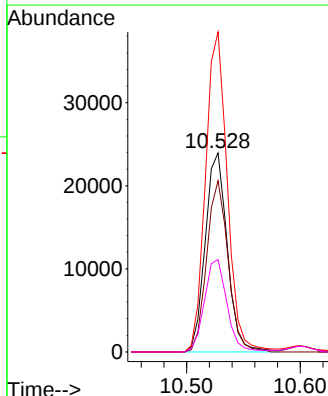
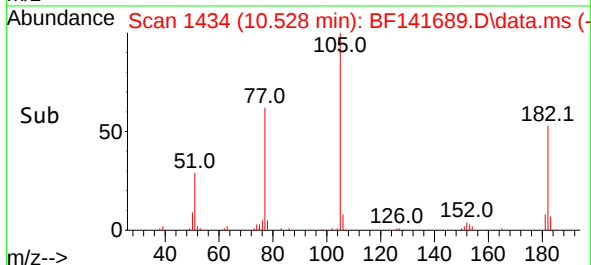
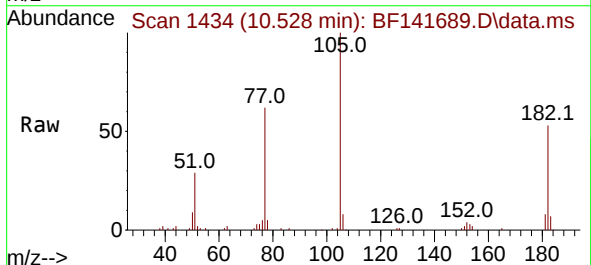


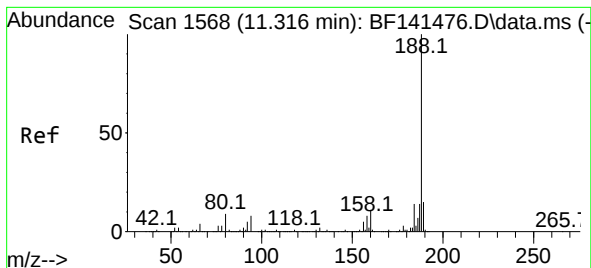
Tgt Ion:165 Resp: 22738
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.665 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141689.D
Acq: 19 Feb 2025 22:07

Tgt Ion: 77 Resp: 32264
Ion Ratio Lower Upper
77 100
182 86.0 4.7 44.7#
105 160.8 0.4 40.4#
51 46.4 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: BF141689.D

Acq: 19 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-14-021725

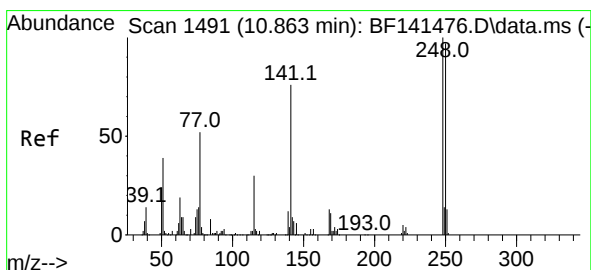
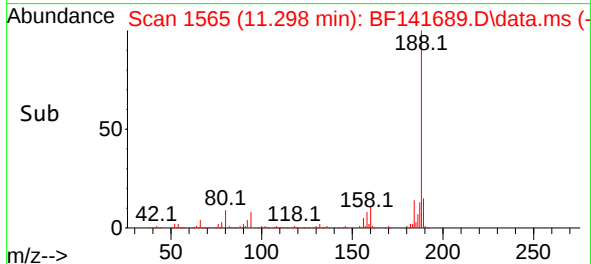
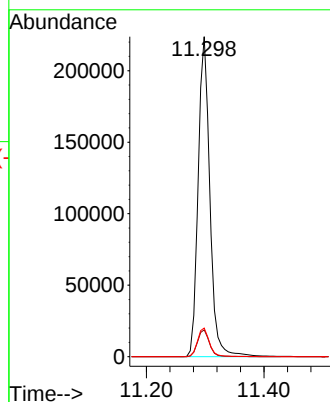
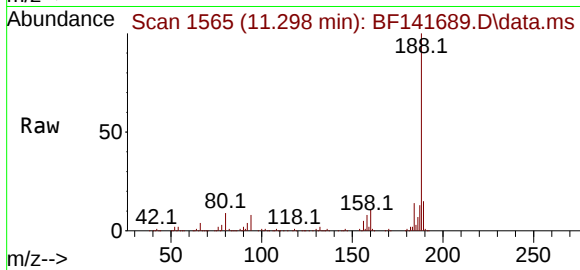
Tgt Ion:188 Resp: 309267

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 8.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.191 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141689.D

Acq: 19 Feb 2025 22:07

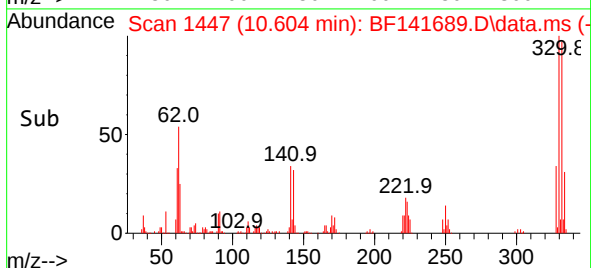
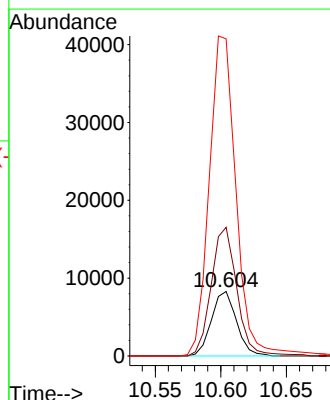
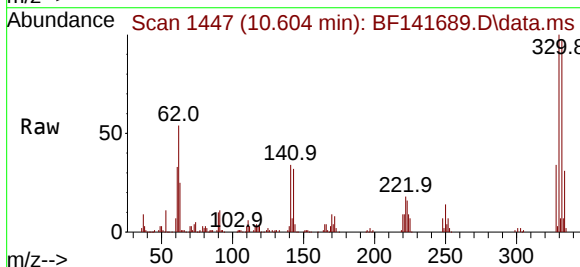
Tgt Ion:248 Resp: 11029

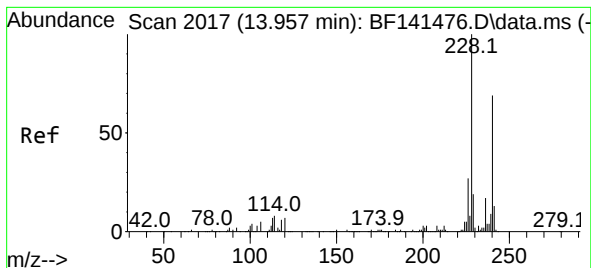
Ion Ratio Lower Upper

248 100

250 199.6 77.8 116.6#

141 491.9 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF141689.D

Acq: 19 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-14-021725

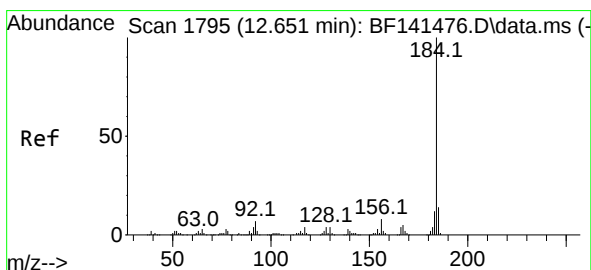
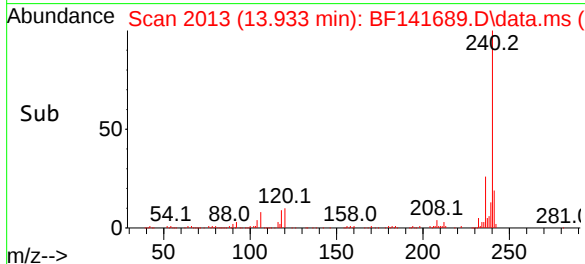
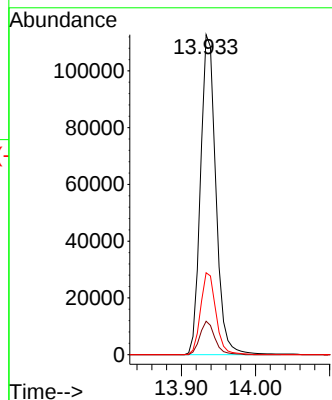
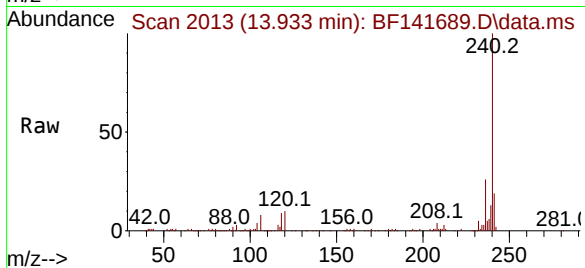
Tgt Ion:240 Resp: 162170

Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 25.6 19.8 29.8



#77

Benidine

Concen: 2.816 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141689.D

Acq: 19 Feb 2025 22:07

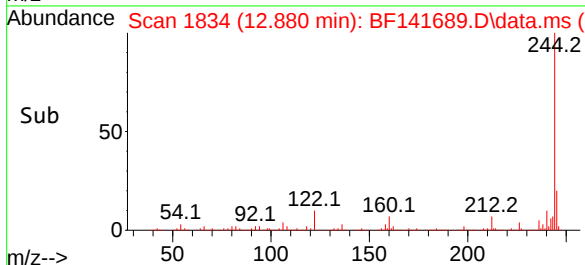
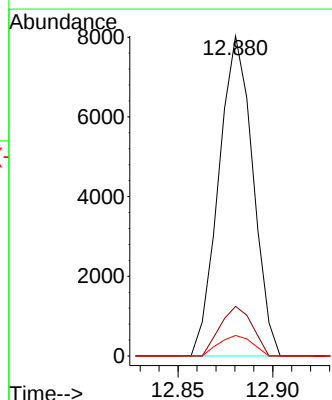
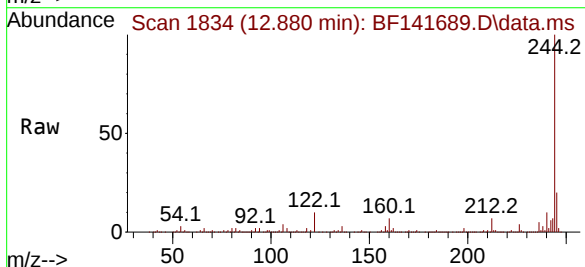
Tgt Ion:184 Resp: 10072

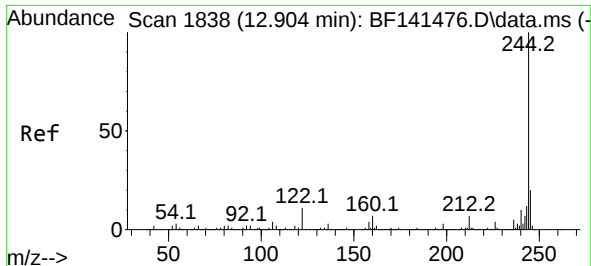
Ion Ratio Lower Upper

184 100

185 15.5 11.3 16.9

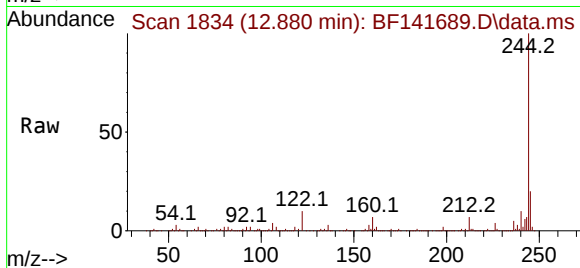
183 6.4 9.3 13.9#



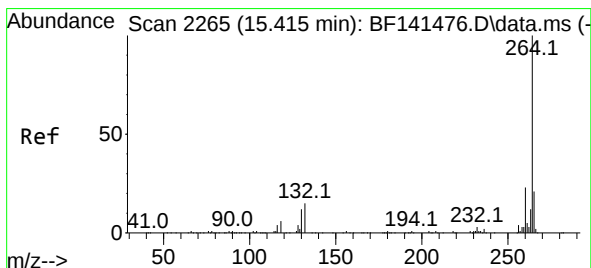
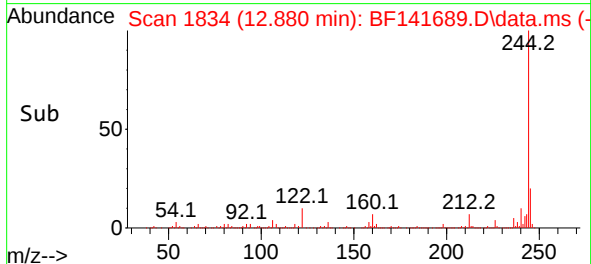
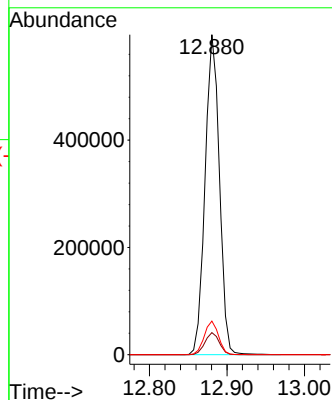


#79
 Terphenyl-d14
 Concen: 79.774 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141689.D
 Acq: 19 Feb 2025 22:07

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-14-021725



Tgt Ion:244 Resp: 766330
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.5 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: BF141689.D
 Acq: 19 Feb 2025 22:07

Tgt Ion:264 Resp: 167944
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.6 28.0
 265 21.4 17.0 25.4

