

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141680.D
 Acq On : 19 Feb 2025 17:43
 Operator : RC/JU
 Sample : Q1382-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-05-021725

Quant Time: Feb 20 00:11:52 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)

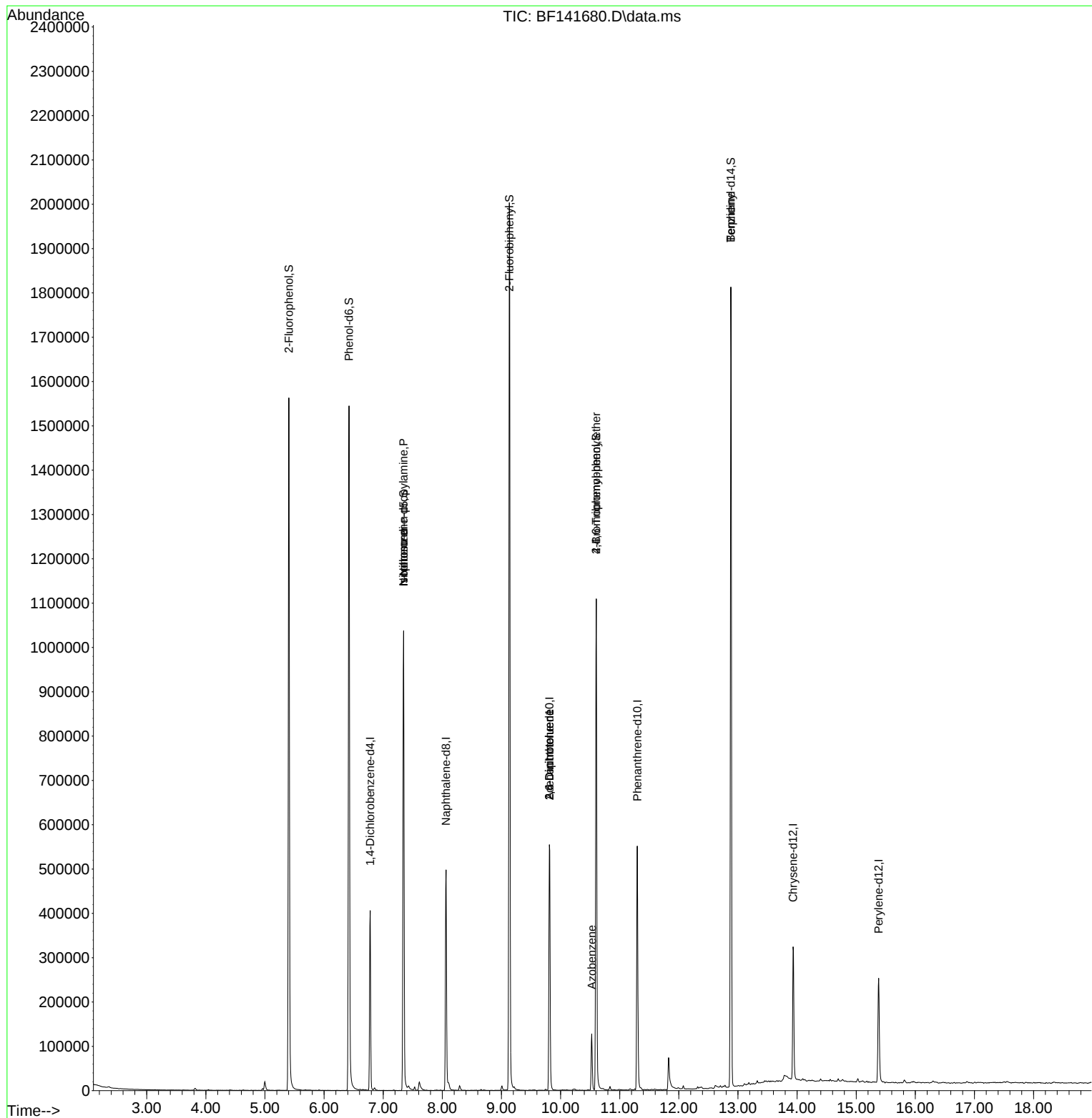
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	85054	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	341306	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	183813	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	302950	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	160839	20.000	ng	-0.03
86) Perylene-d12	15.380	264	152146	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	597019	110.045	ng	0.00
7) Phenol-d6	6.422	99	728610	106.257	ng	-0.02
23) Nitrobenzene-d5	7.345	82	481786	73.626	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	185637	100.535	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	907263	76.043	ng	-0.02
79) Terphenyl-d14	12.880	244	896981	94.147	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	64302	15.677	ng	# 72
25) Isophorone	7.345	82	470421	45.087	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	23259	8.526	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	23259	6.405	ng	# 18
63) Azobenzene	10.528	77	31676	2.595	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	12293	3.631	ng	# 1
77) Benzidine	12.880	184	12209	3.442	ng	# 90

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

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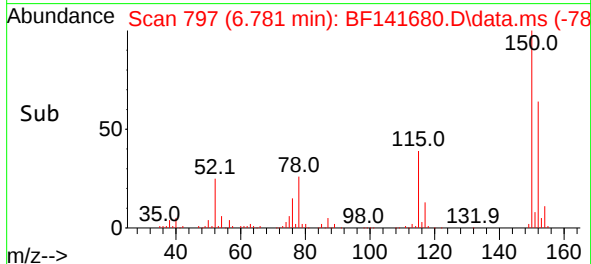
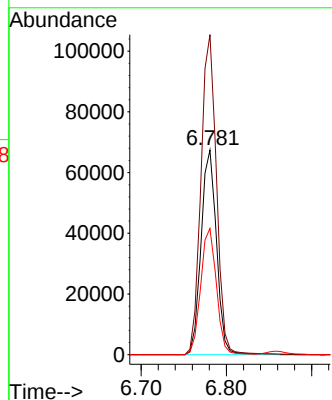
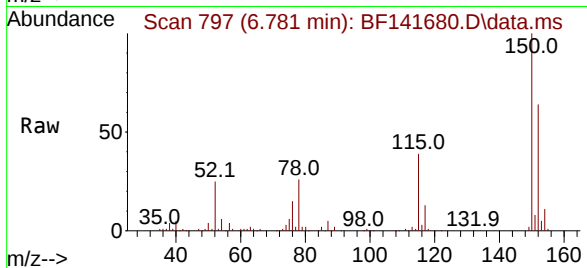




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

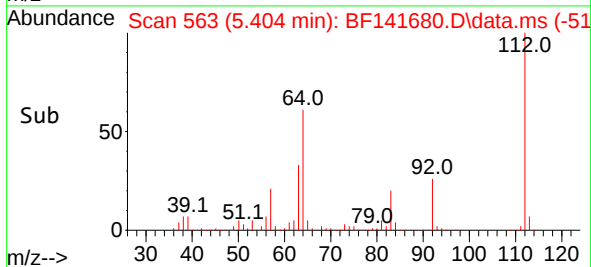
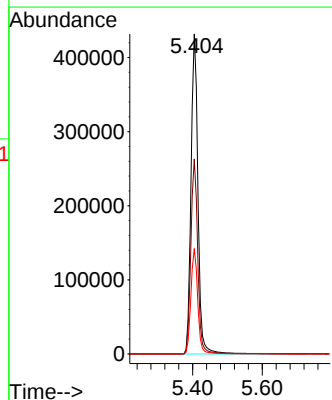
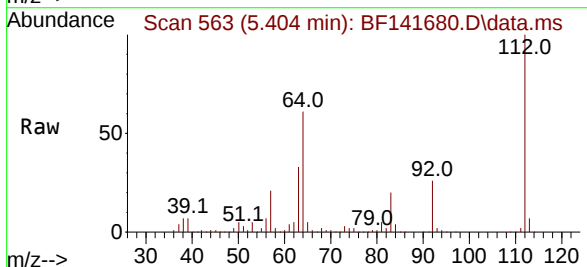
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-05-021725

Tgt Ion:152 Resp: 85054
Ion Ratio Lower Upper
152 100
150 156.4 125.0 187.4
115 61.7 53.6 80.4



#5
2-Fluorophenol
Concen: 110.045 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion:112 Resp: 597019
Ion Ratio Lower Upper
112 100
64 60.9 51.1 76.7
63 32.9 28.4 42.6

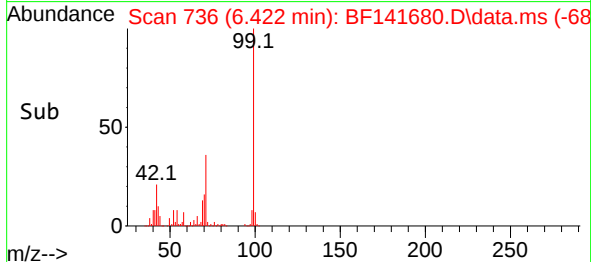
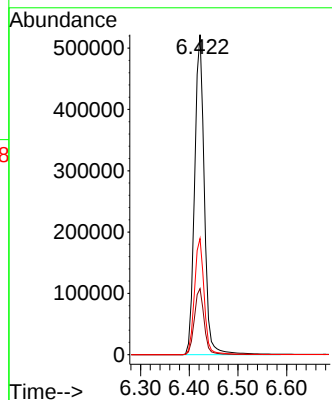
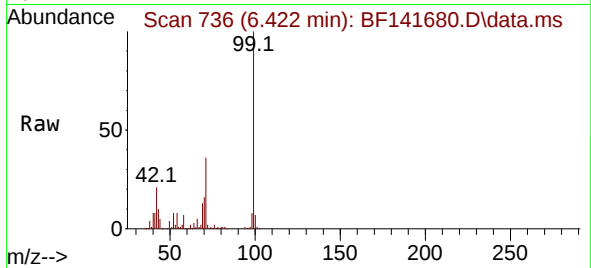




#7
Phenol-d6
Concen: 106.257 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

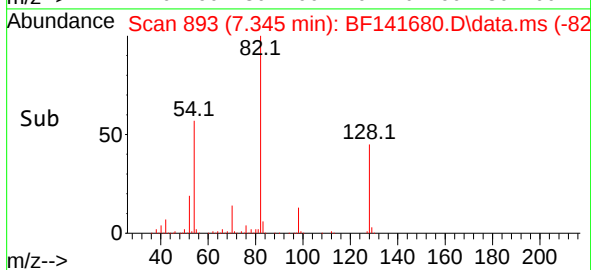
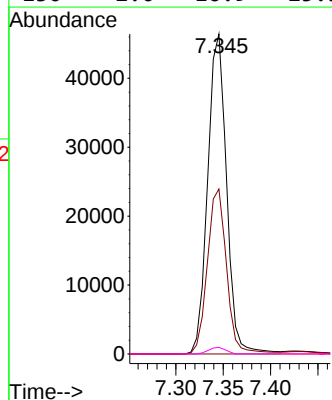
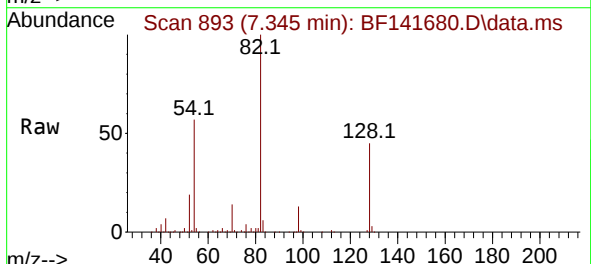
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-05-021725

Tgt Ion: 99 Resp: 728610
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 36.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.677 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion: 70 Resp: 64302
Ion Ratio Lower Upper
70 100
42 51.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

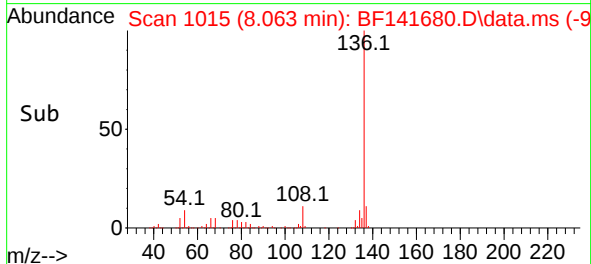
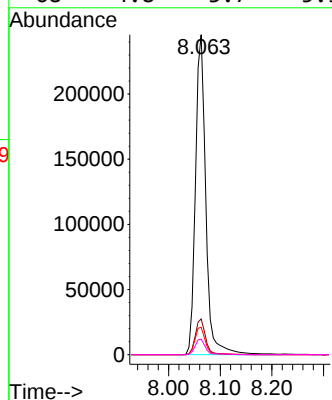
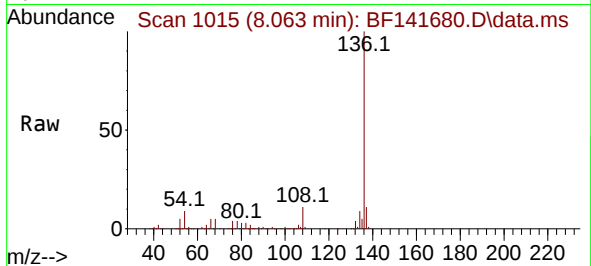




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

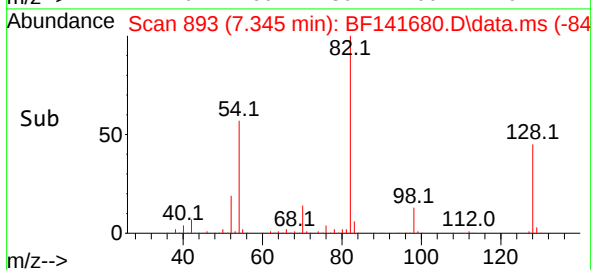
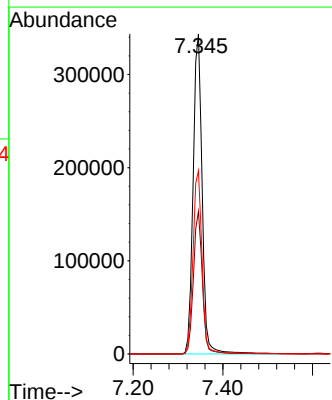
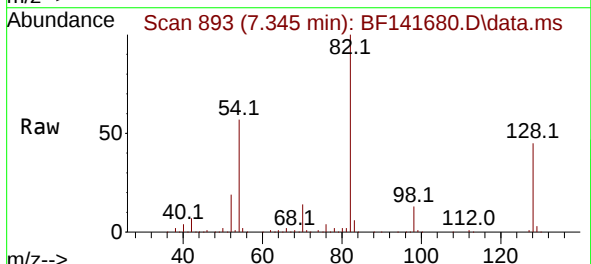
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-05-021725

Tgt Ion:136 Resp: 341306
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.5 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 73.626 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion: 82 Resp: 481786
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 57.2 48.2 72.4

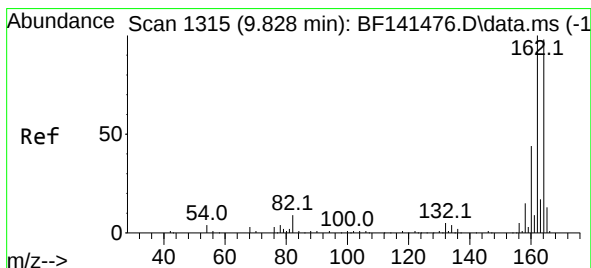
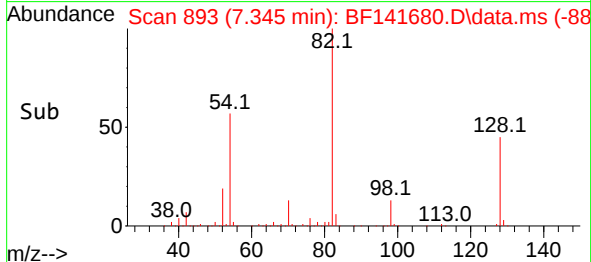
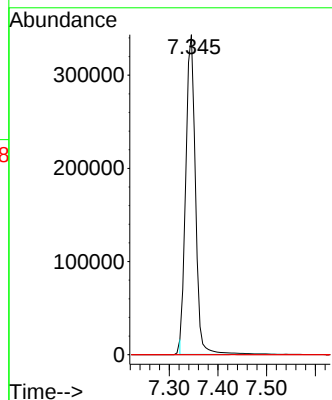
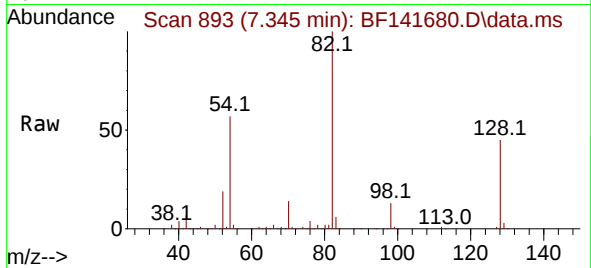




#25
Isophorone
Concen: 45.087 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

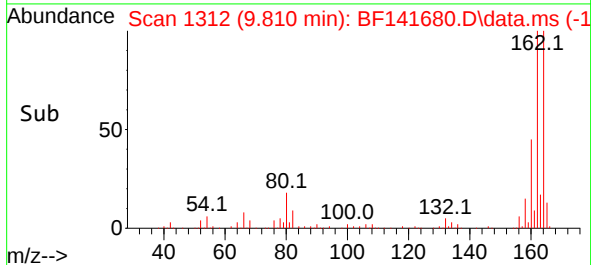
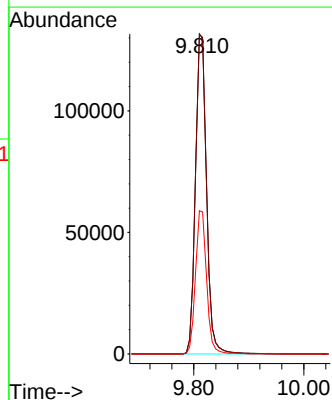
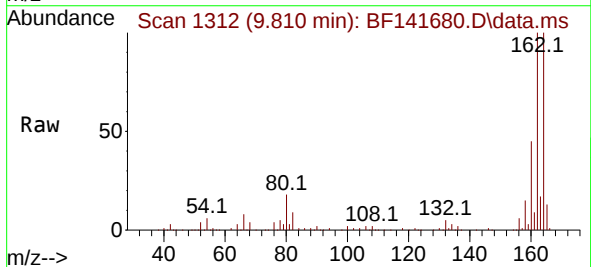
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-05-021725

Tgt Ion: 82 Resp: 470421
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: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion:164 Resp: 183813
Ion Ratio Lower Upper
164 100
162 99.9 81.3 121.9
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 100.535 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141680.D

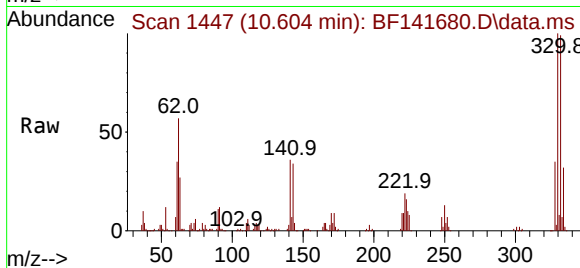
Acq: 19 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-05-021725



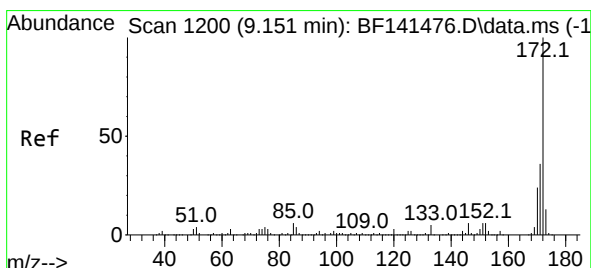
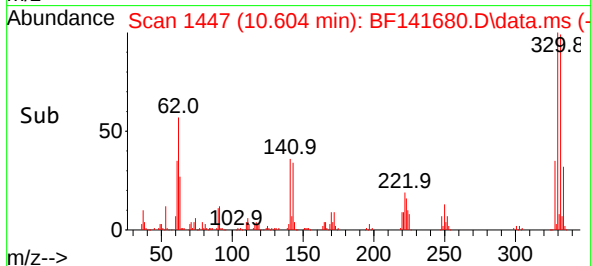
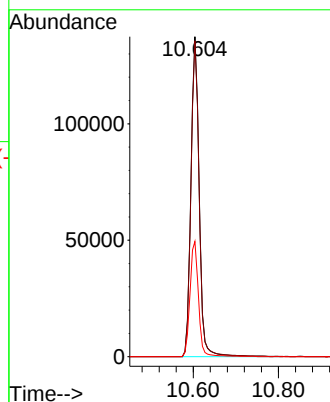
Tgt Ion:330 Resp: 185637

Ion Ratio Lower Upper

330 100

332 98.1 78.5 117.7

141 36.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 76.043 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141680.D

Acq: 19 Feb 2025 17:43

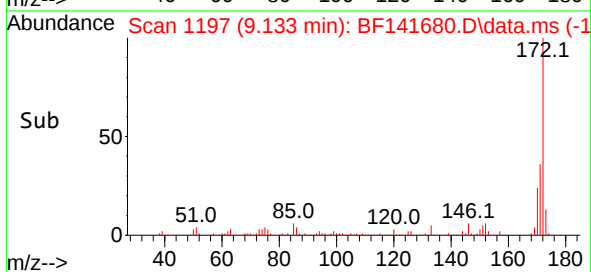
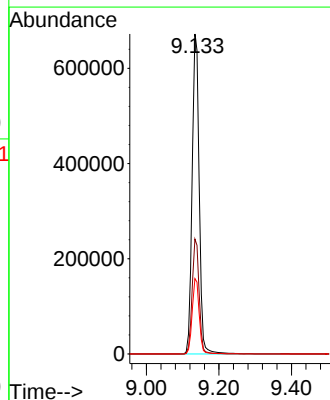
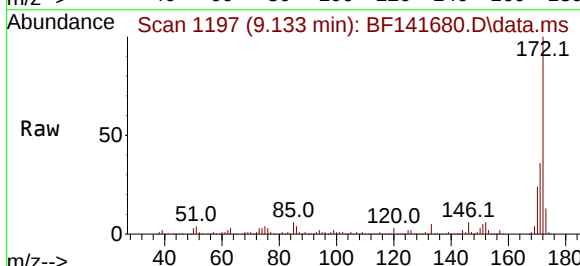
Tgt Ion:172 Resp: 907263

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.6 18.9 28.3

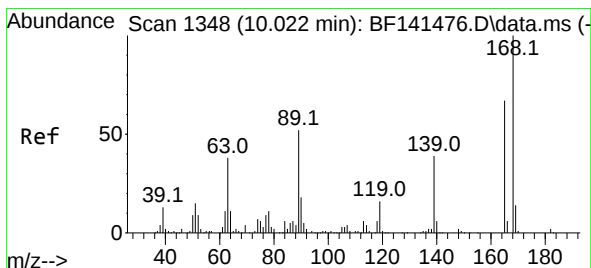
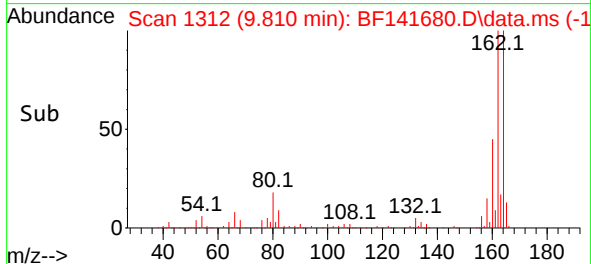
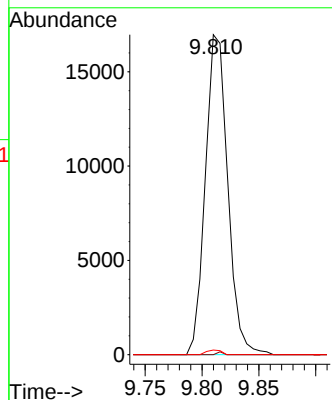
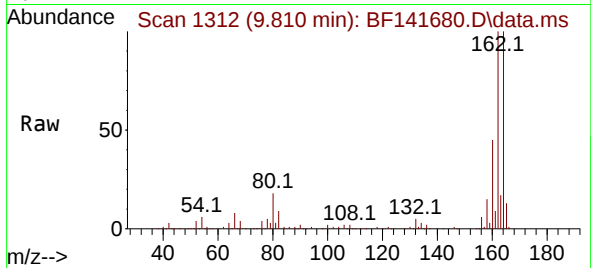




#51
2,6-Dinitrotoluene
Concen: 8.526 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

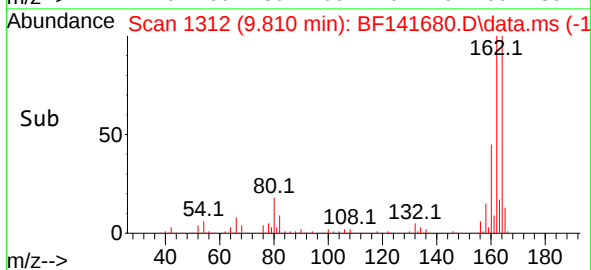
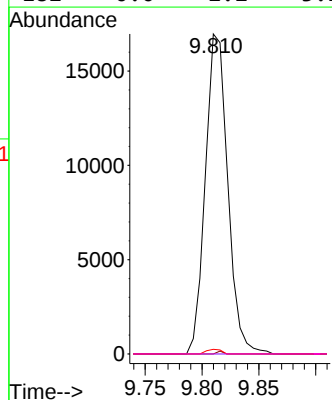
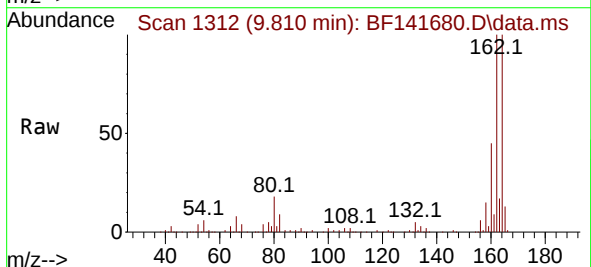
Instrument :
BNA_F
ClientSampleId :
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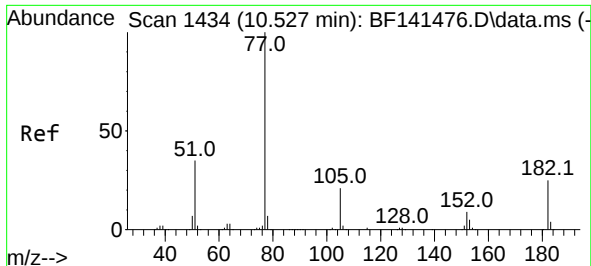
Tgt Ion:165 Resp: 23259
Ion Ratio Lower Upper
165 100
63 0.0 49.4 74.0#
89 1.4 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.405 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion:165 Resp: 23259
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#

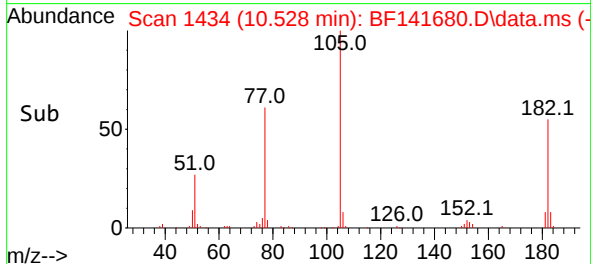
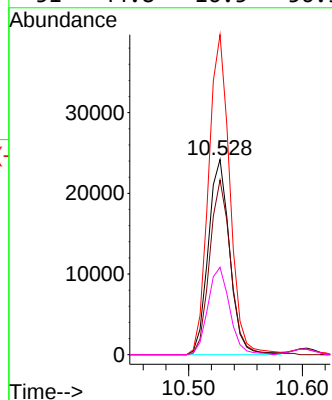
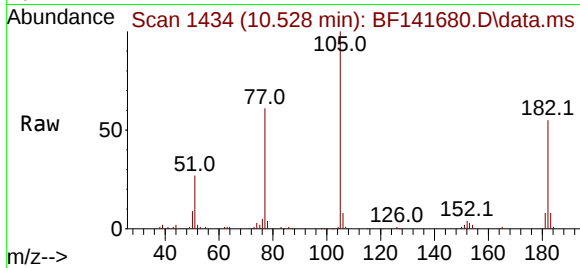




#63
Azobenzene
Concen: 2.595 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

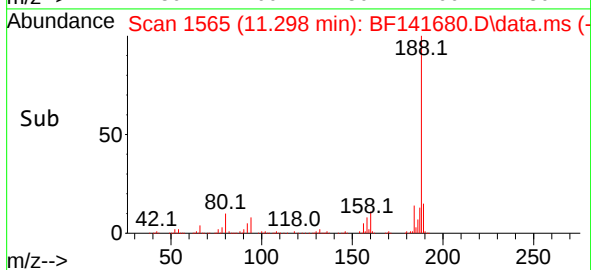
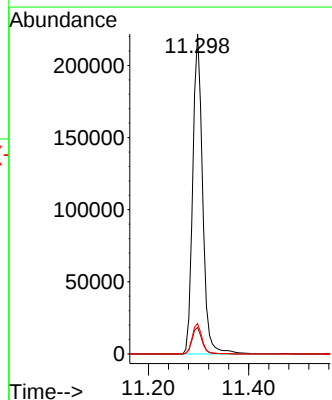
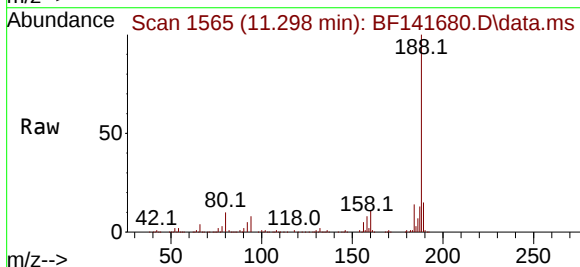
Instrument :
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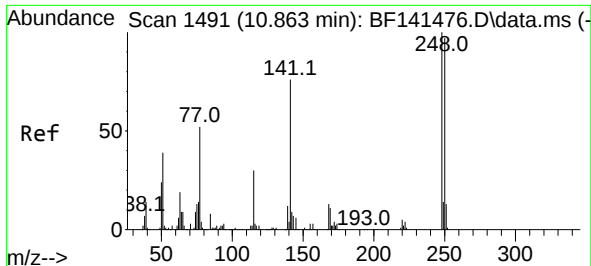
Tgt Ion: 77	Resp: 31676
Ion Ratio	Lower Upper
77 100	
182 89.5	4.7 44.7#
105 164.0	0.4 40.4#
51 44.8	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion:188	Resp: 302950
Ion Ratio	Lower Upper
188 100	
94 8.3	6.6 10.0
80 9.5	7.3 10.9

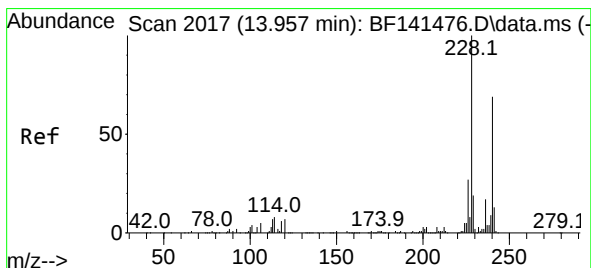
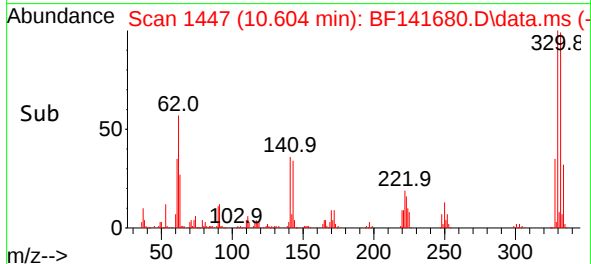
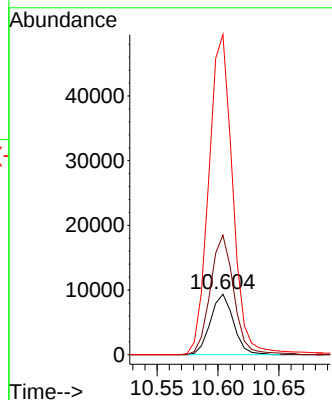
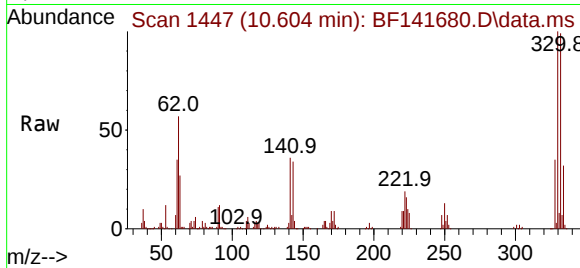




#67
4-Bromophenyl-phenylether
Concen: 3.631 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

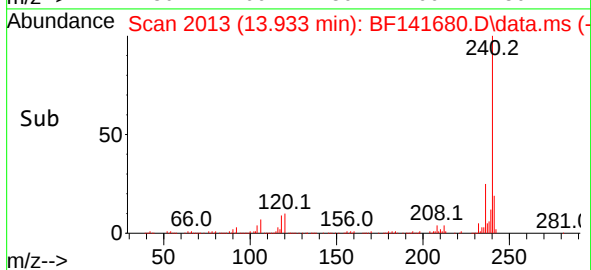
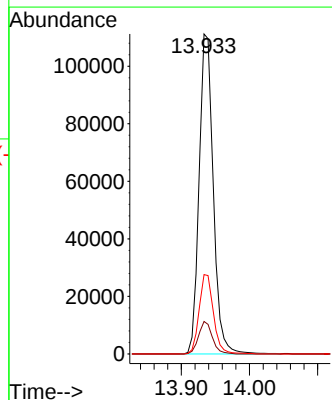
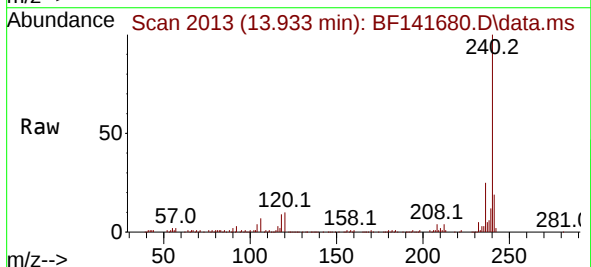
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-05-021725

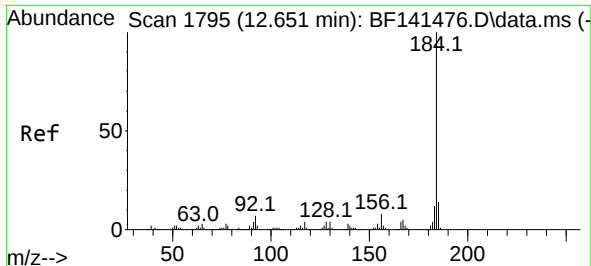
Tgt Ion:248 Resp: 12293
Ion Ratio Lower Upper
248 100
250 197.8 77.8 116.6#
141 529.5 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion:240 Resp: 160839
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 24.8 19.8 29.8

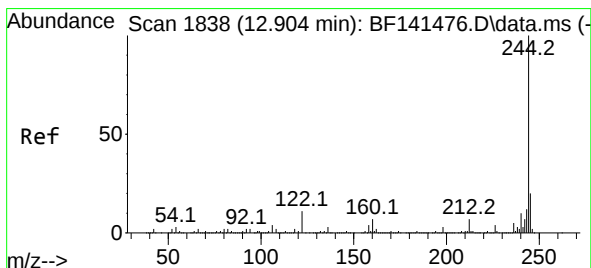
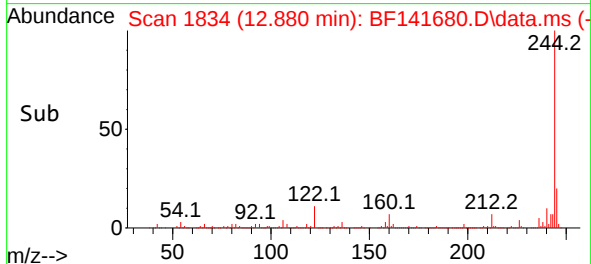
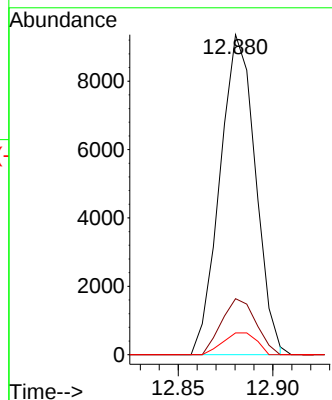
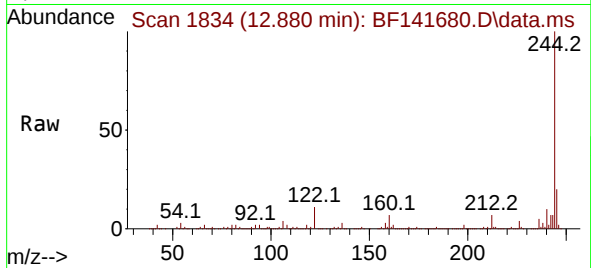




#77
Benzidine
Concen: 3.442 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

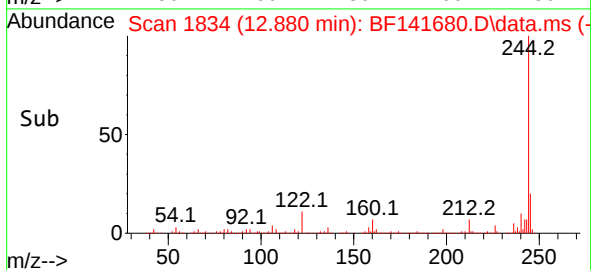
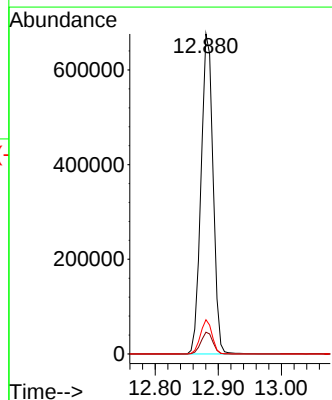
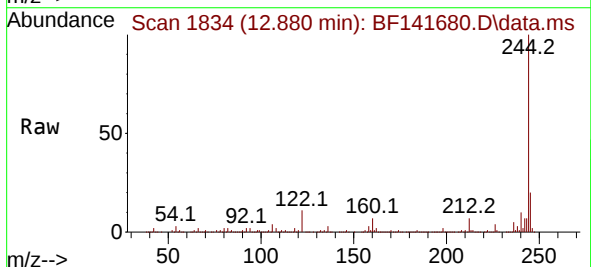
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-05-021725

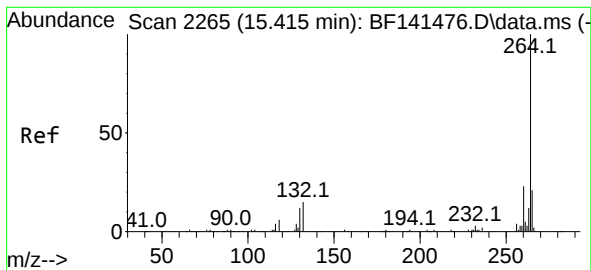
Tgt Ion:184 Resp: 12209
Ion Ratio Lower Upper
184 100
185 17.5 11.3 16.9#
183 6.8 9.3 13.9#



#79
Terphenyl-d14
Concen: 94.147 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141680.D
Acq: 19 Feb 2025 17:43

Tgt Ion:244 Resp: 896981
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.7 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141680.D

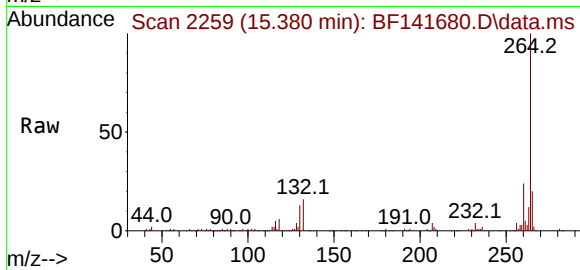
Acq: 19 Feb 2025 17:43

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-05-021725



Tgt Ion:264 Resp: 152146

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 20.3 17.0 25.4

