

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141703.D
 Acq On : 20 Feb 2025 15:07
 Operator : RC/JU
 Sample : Q1383-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-19-021725

Quant Time: Feb 20 15:33:54 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)

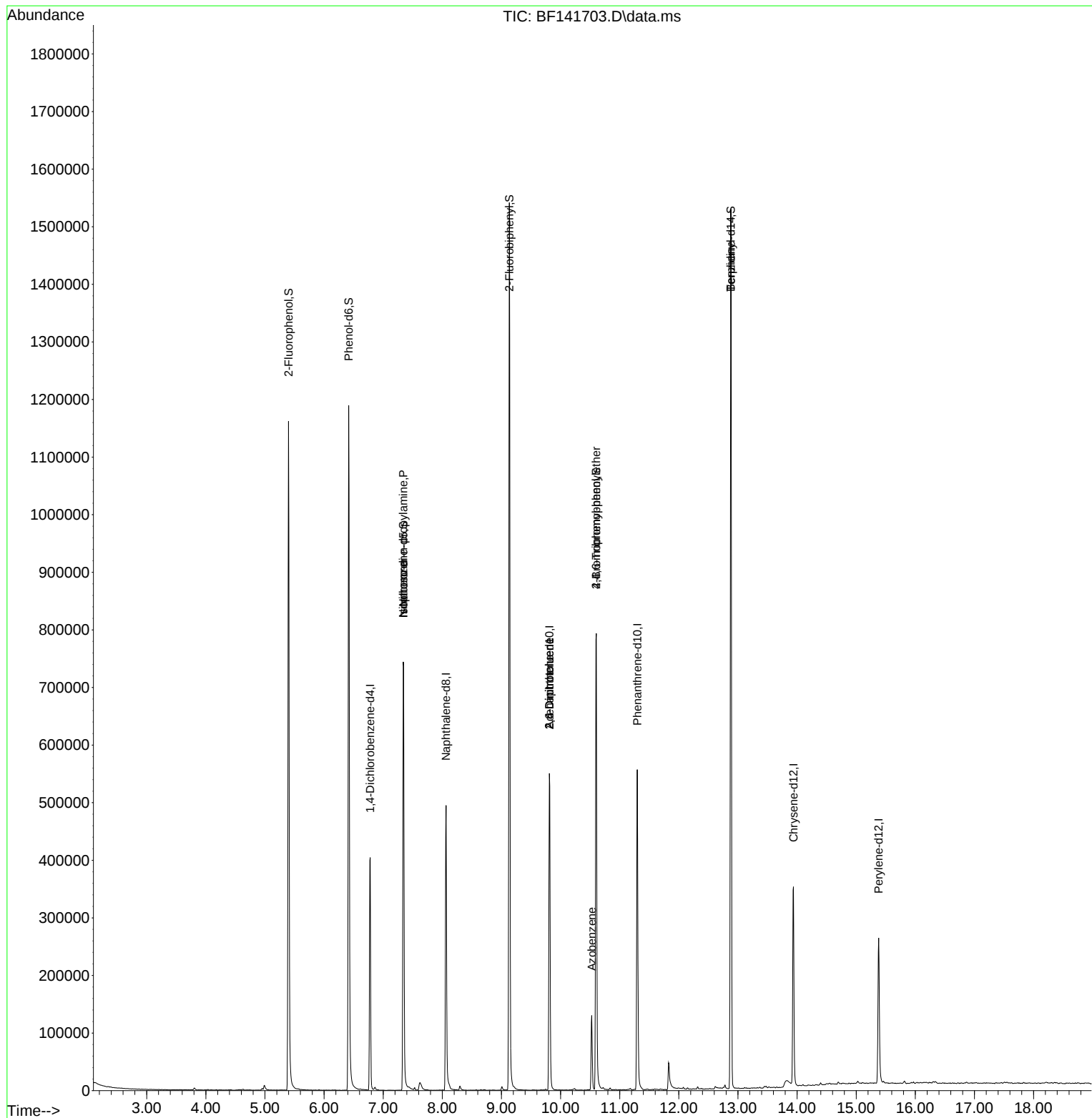
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89237	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	348436	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	184599	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	314386	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	193483	20.000	ng	-0.02
86) Perylene-d12	15.380	264	168330	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	458091	80.479	ng	-0.01
7) Phenol-d6	6.416	99	563692	78.353	ng	-0.02
23) Nitrobenzene-d5	7.339	82	362187	54.217	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	142239	76.704	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	694262	57.942	ng	-0.02
79) Terphenyl-d14	12.880	244	761044	66.402	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	47190	10.966	ng	# 75
25) Isophorone	7.339	82	353385	33.177	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	22905	8.361	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	22902	6.280	ng	# 18
63) Azobenzene	10.527	77	34877	2.845	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	10103	2.875	ng	# 1
77) Benzidine	12.880	184	9403	2.204	ng	# 89

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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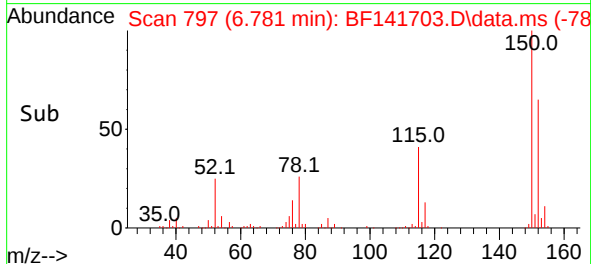
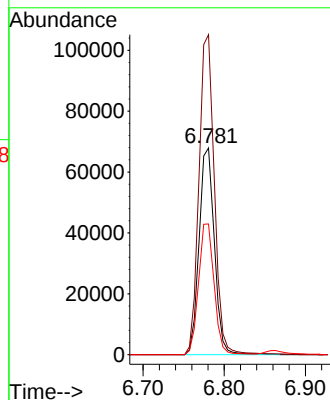
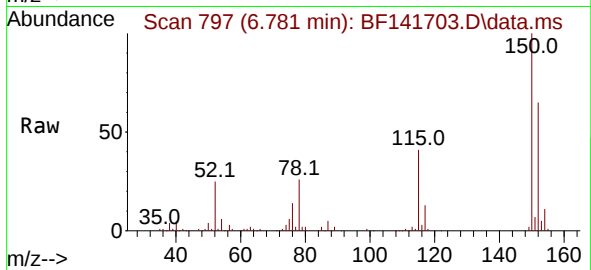




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

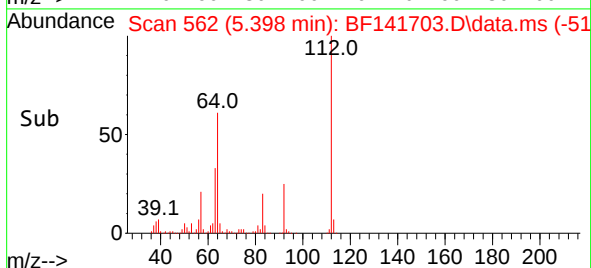
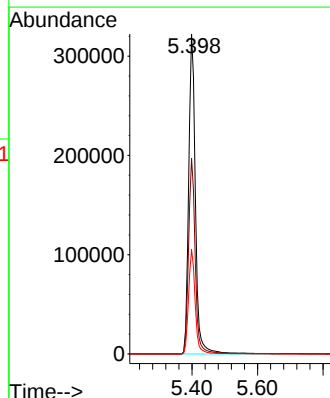
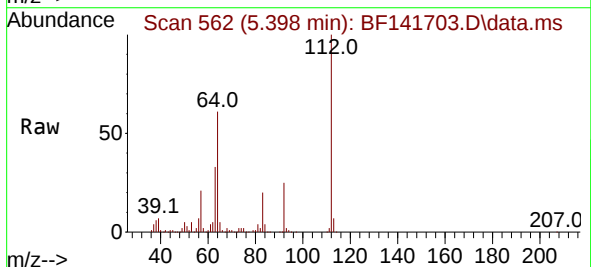
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion:152 Resp: 89237
Ion Ratio Lower Upper
152 100
150 154.7 125.0 187.4
115 63.2 53.6 80.4



#5
2-Fluorophenol
Concen: 80.479 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:112 Resp: 458091
Ion Ratio Lower Upper
112 100
64 61.2 51.1 76.7
63 32.6 28.4 42.6

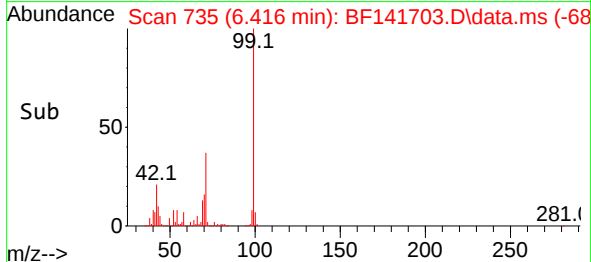
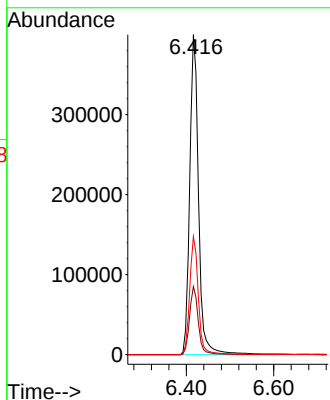
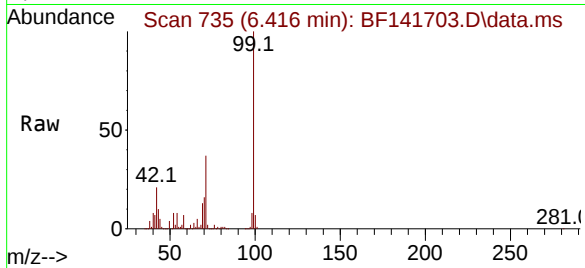




#7
Phenol-d6
Concen: 78.353 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

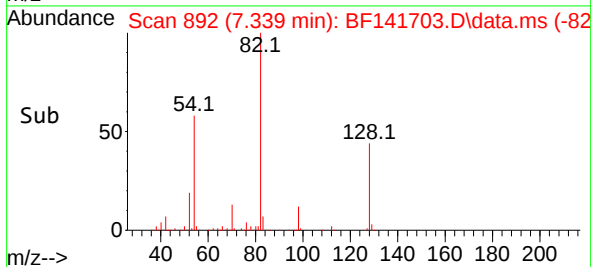
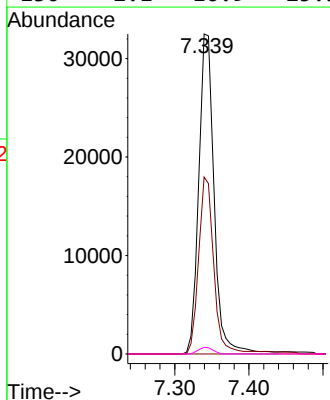
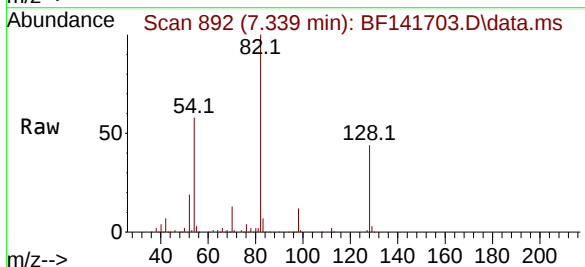
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion: 99 Resp: 563692
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 36.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.966 ng
RT: 7.339 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion: 70 Resp: 47190
Ion Ratio Lower Upper
70 100
42 55.3 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

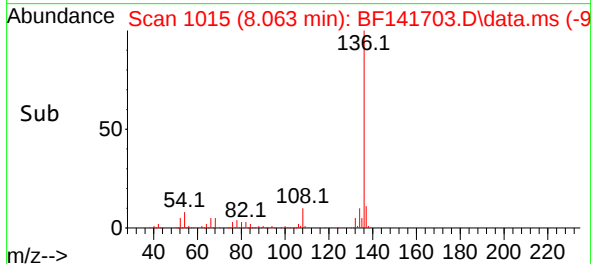
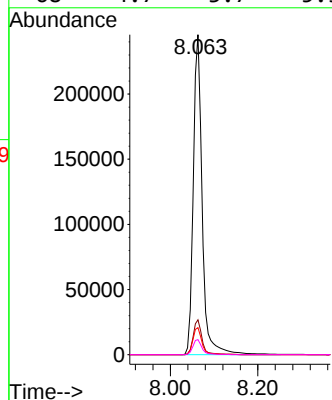
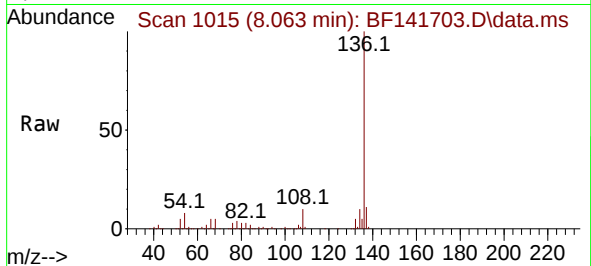




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

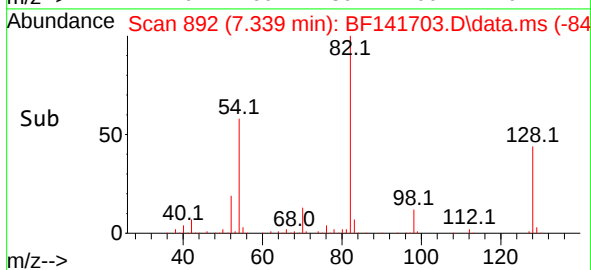
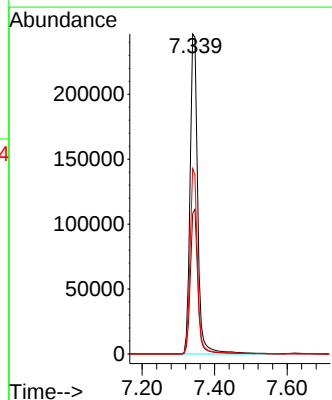
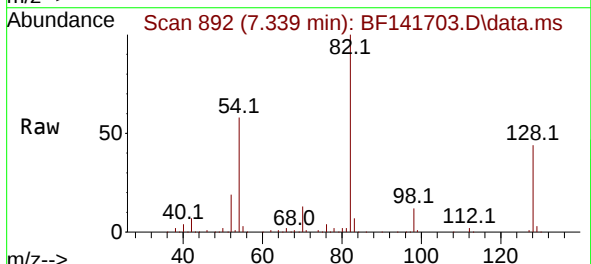
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt	Ion:136	Resp:	348436
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 54.217 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion: 82	Resp: 362187
Ion Ratio	Lower Upper
82 100	
128 43.9	34.8 52.2
54 57.9	48.2 72.4

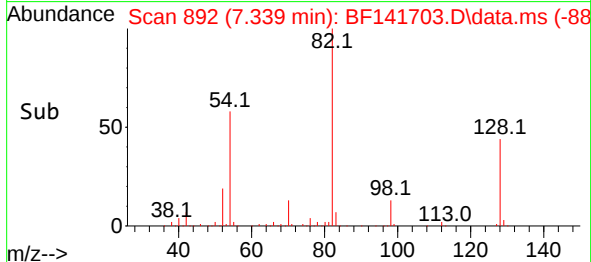
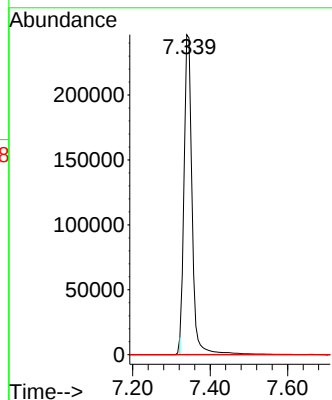
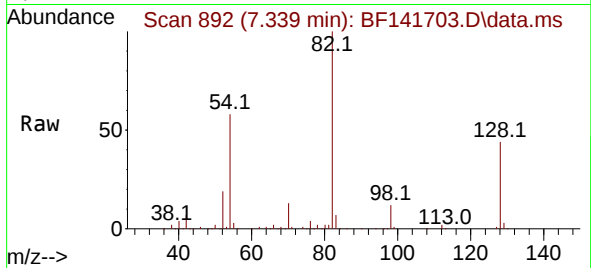




#25
Isophorone
Concen: 33.177 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

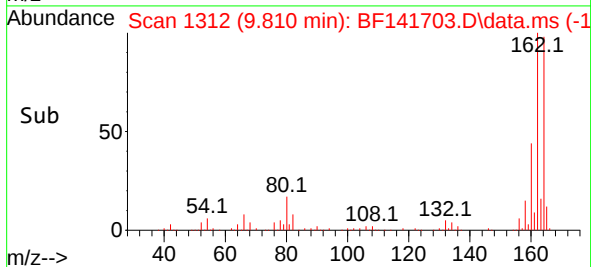
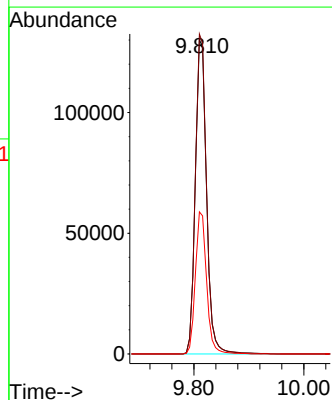
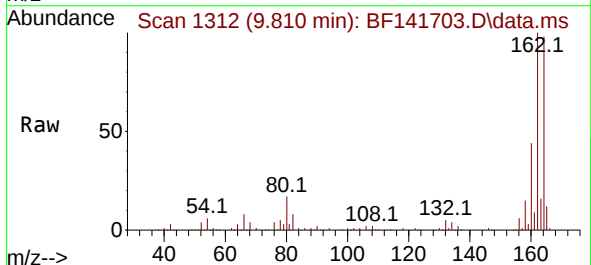
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

Tgt Ion: 82 Resp: 353385
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: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:164 Resp: 184599
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 76.704 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141703.D

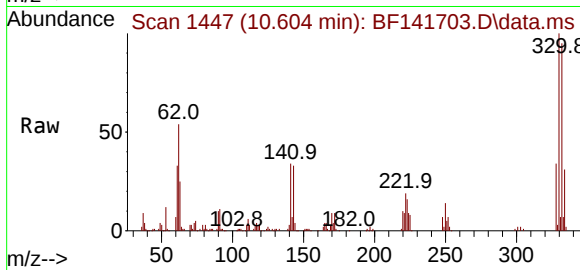
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Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-19-021725



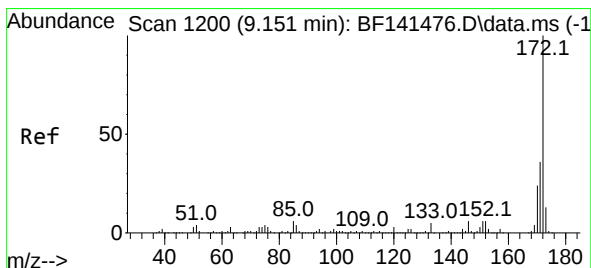
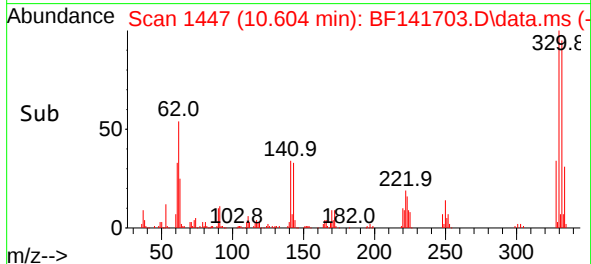
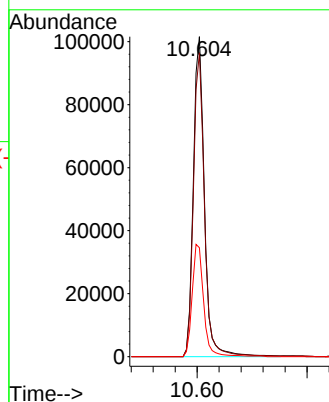
Tgt Ion:330 Resp: 142239

Ion Ratio Lower Upper

330 100

332 95.1 78.5 117.7

141 36.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 57.942 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141703.D

Acq: 20 Feb 2025 15:07

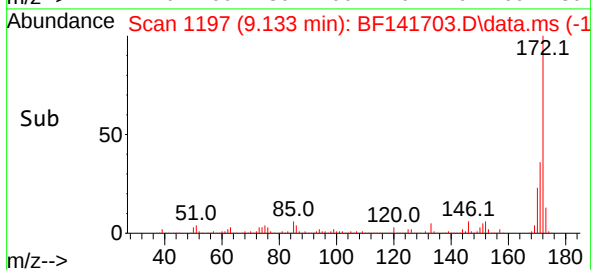
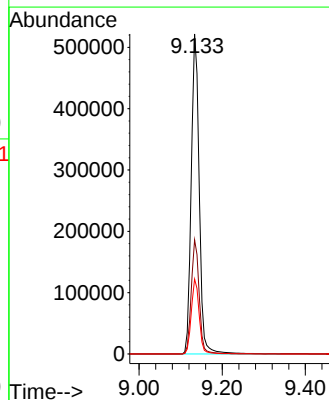
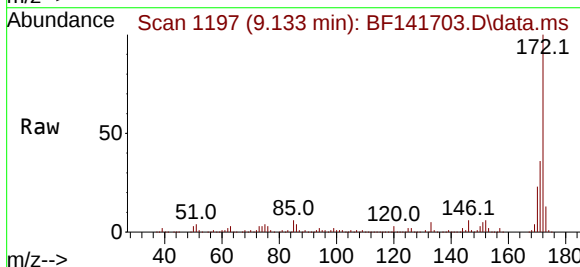
Tgt Ion:172 Resp: 694262

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.4 18.9 28.3

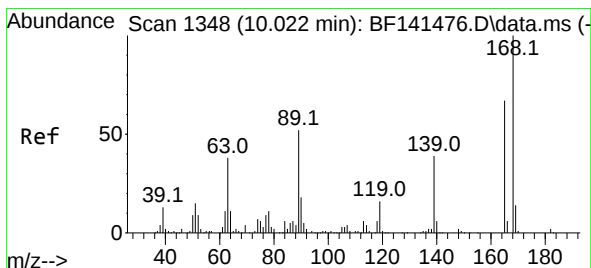
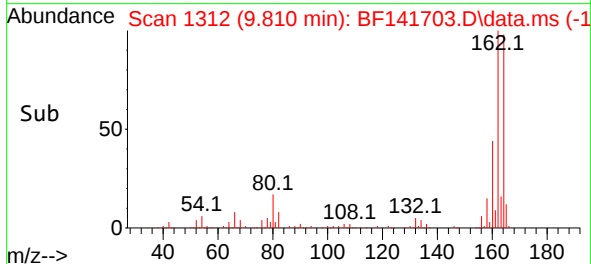
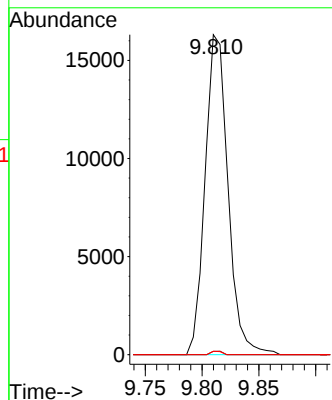
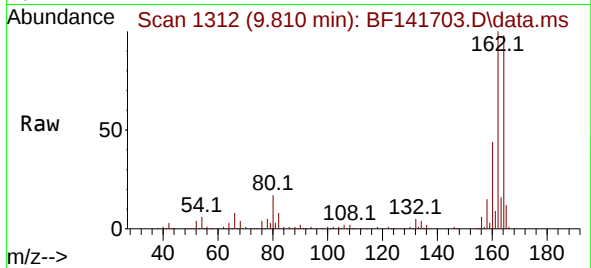




#51
2,6-Dinitrotoluene
Concen: 8.361 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

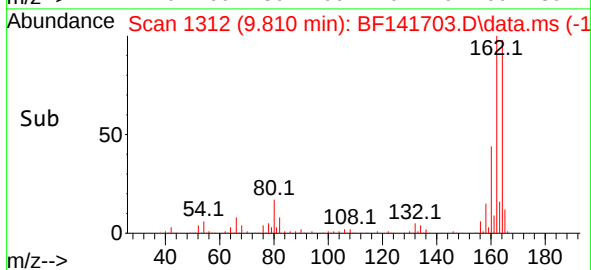
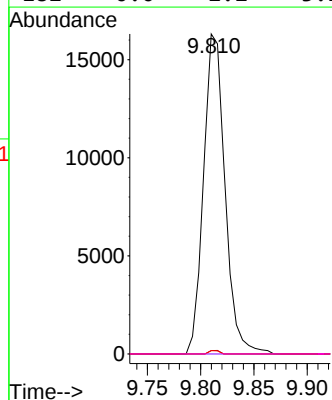
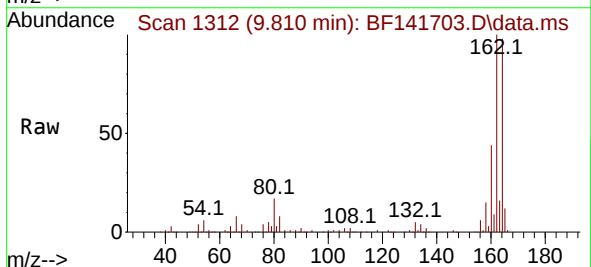
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

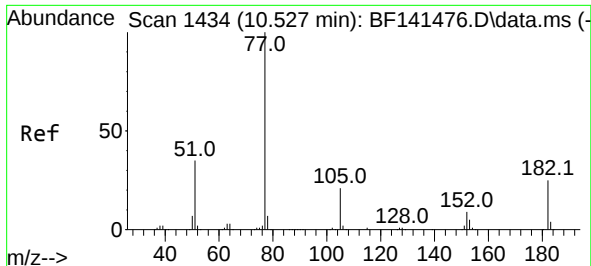
Tgt Ion:165 Resp: 22905
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.1 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.280 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:165 Resp: 22902
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#

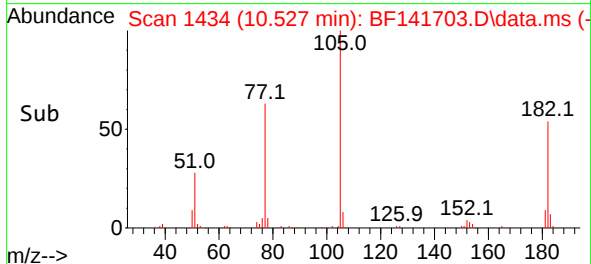
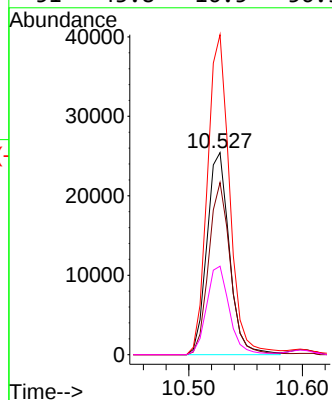
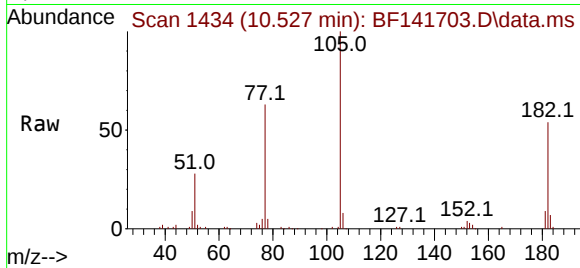




#63
 Azobenzene
 Concen: 2.845 ng
 RT: 10.527 min Scan# 1434
 Delta R.T. -0.006 min
 Lab File: BF141703.D
 Acq: 20 Feb 2025 15:07

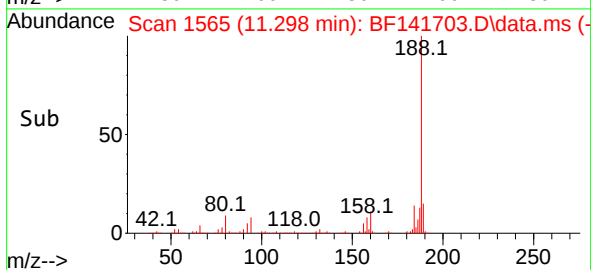
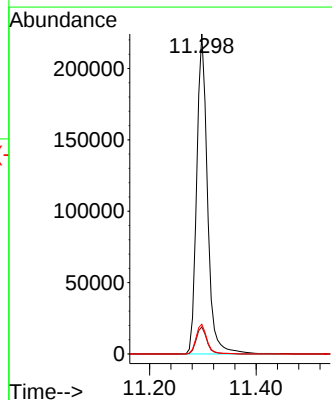
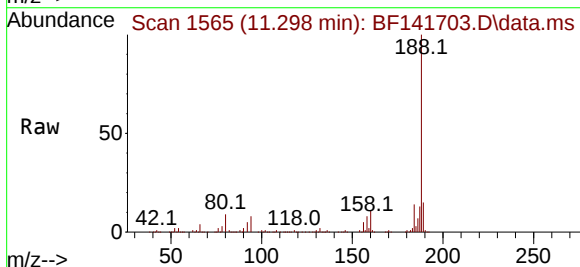
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 OU4-PCS-TC-19-021725

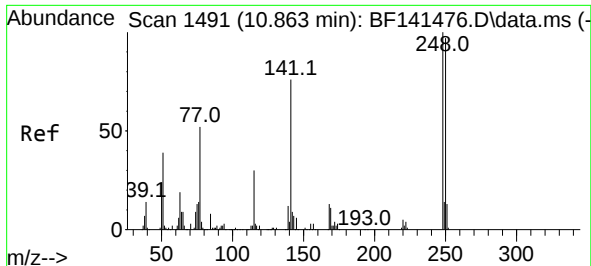
Tgt Ion: 77	Resp: 34877
Ion Ratio	Lower Upper
77 100	
182 85.2	4.7 44.7#
105 158.4	0.4 40.4#
51 43.8	16.5 56.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.298 min Scan# 1565
 Delta R.T. -0.018 min
 Lab File: BF141703.D
 Acq: 20 Feb 2025 15:07

Tgt Ion: 188	Resp: 314386
Ion Ratio	Lower Upper
188 100	
94 8.4	6.6 10.0
80 9.3	7.3 10.9

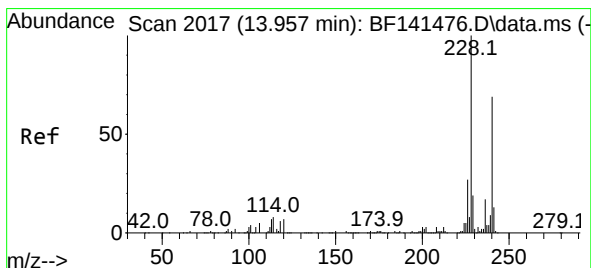
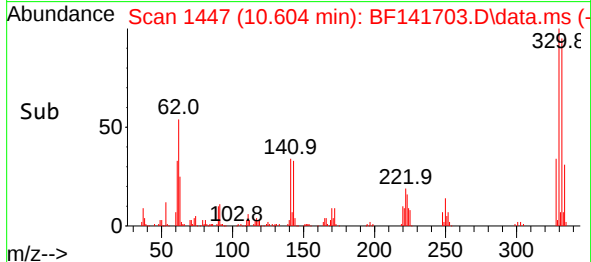
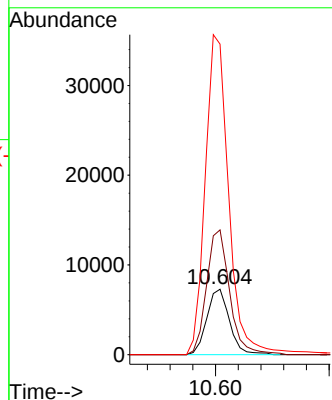
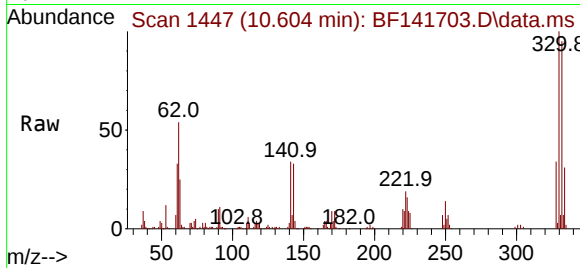




#67
4-Bromophenyl-phenylether
Concen: 2.875 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

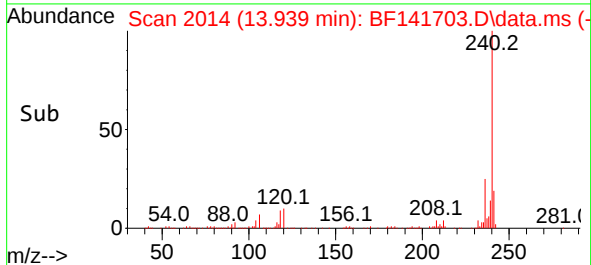
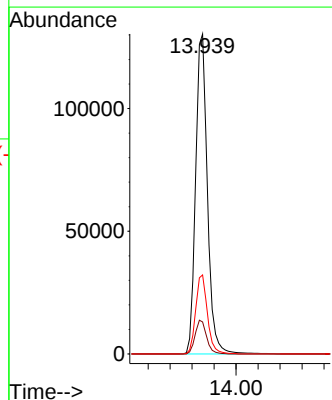
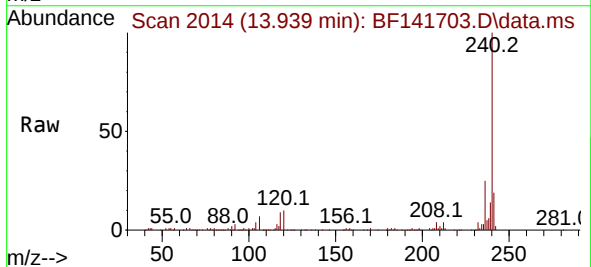
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

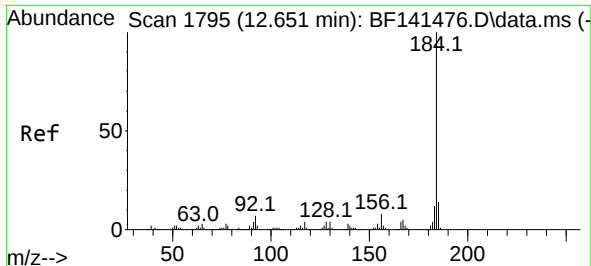
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Ion Ratio Lower Upper
248 100
250 190.8 77.8 116.6#
141 474.8 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Tgt Ion:240 Resp: 193483
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 24.7 19.8 29.8

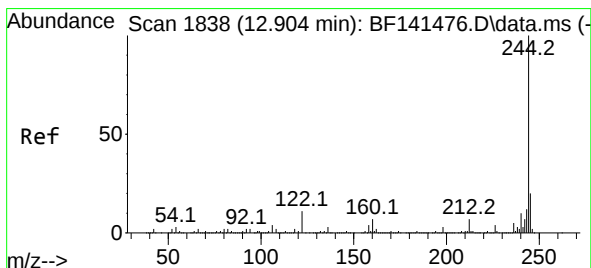
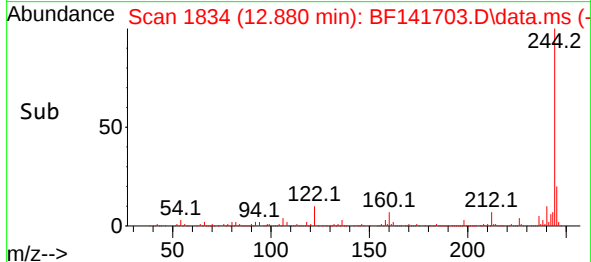
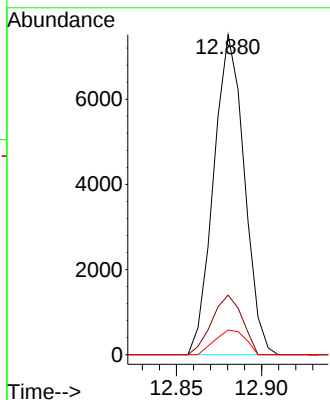
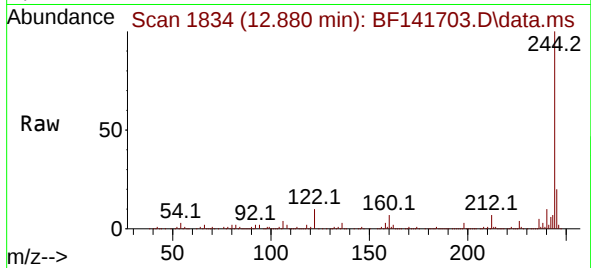




#77
Benzidine
Concen: 2.204 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

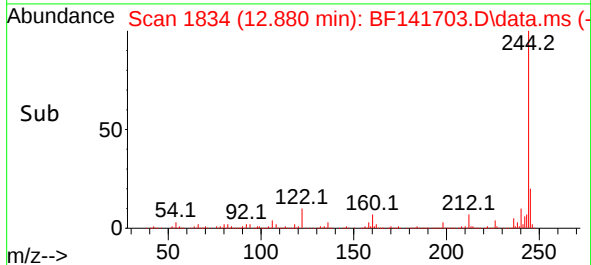
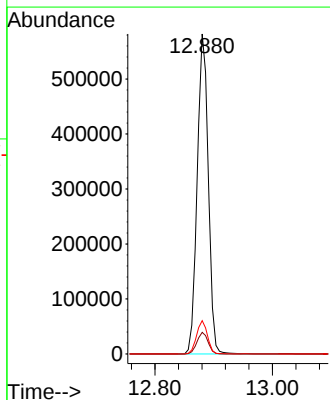
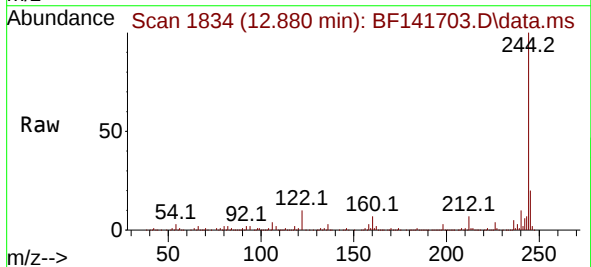
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725

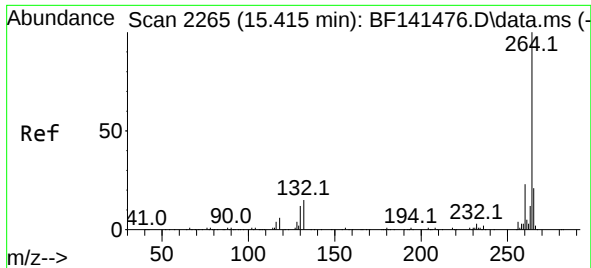
Tgt Ion:184 Resp: 9403
Ion Ratio Lower Upper
184 100
185 18.6 11.3 16.9#
183 7.7 9.3 13.9#



#79
Terphenyl-d14
Concen: 66.402 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

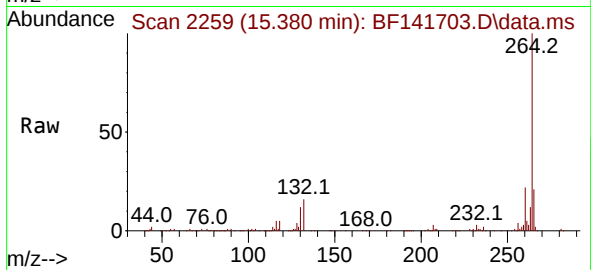
Tgt Ion:244 Resp: 761044
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.4 8.4 12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141703.D
Acq: 20 Feb 2025 15:07

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-19-021725



Tgt Ion:264 Resp: 168330
Ion Ratio Lower Upper
264 100
260 22.4 18.6 28.0
265 20.9 17.0 25.4

