

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141698.D
 Acq On : 20 Feb 2025 12:33
 Operator : RC/JU
 Sample : PB166776BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166776BL

Quant Time: Feb 20 13:04:06 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)

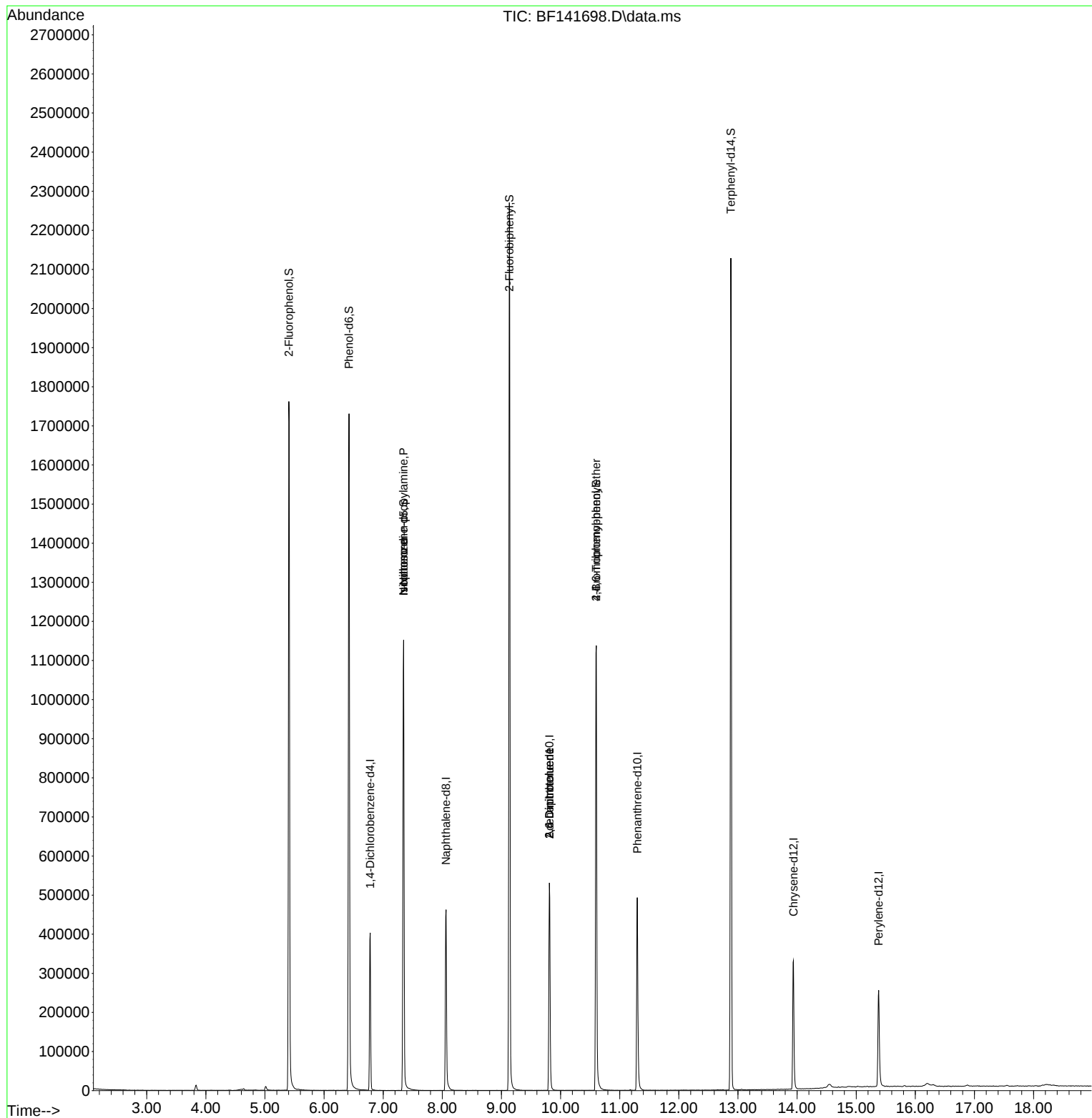
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87229	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	339851	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	180981	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	295461	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	194169	20.000	ng	-0.02
86) Perylene-d12	15.380	264	170584	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	696403	125.163	ng	0.00
7) Phenol-d6	6.422	99	843104	119.888	ng	-0.02
23) Nitrobenzene-d5	7.345	82	545407	83.706	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	206145	113.389	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1033384	87.969	ng	-0.02
79) Terphenyl-d14	12.880	244	1058511	92.031	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	71797	17.068	ng	# 73
25) Isophorone	7.345	82	529704	50.986	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	22973	8.553	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	22973	6.425	ng	# 19
67) 4-Bromophenyl-phenylether	10.604	248	14001	4.240	ng	# 1

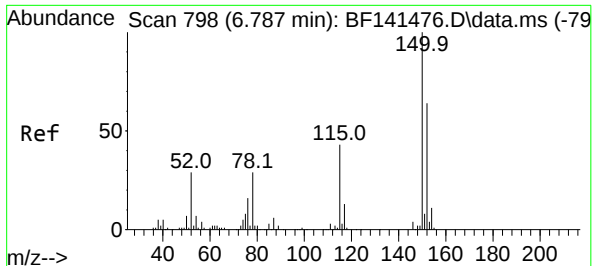
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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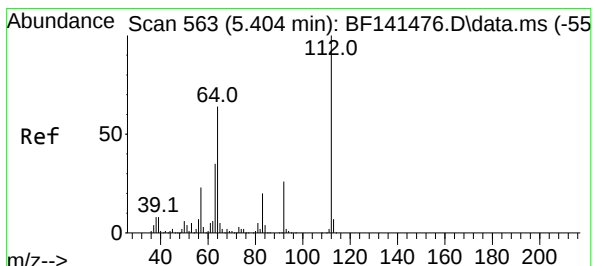
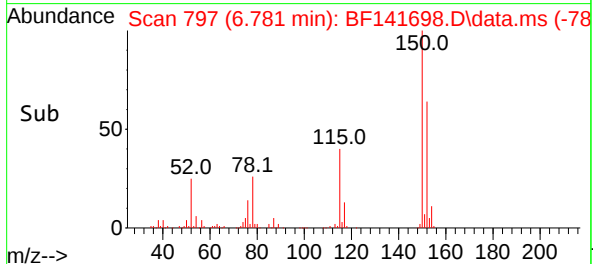
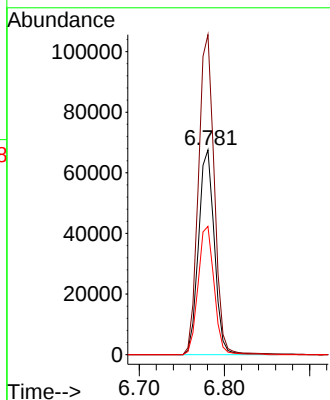
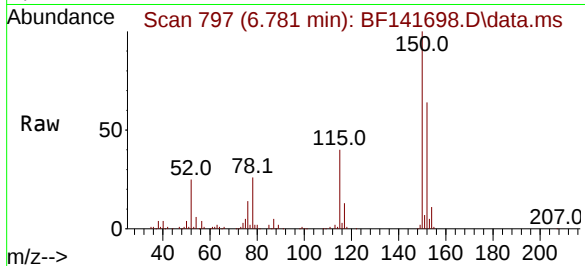




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

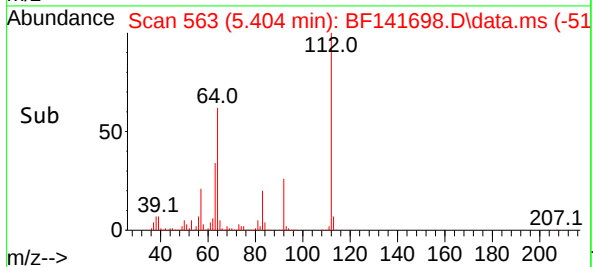
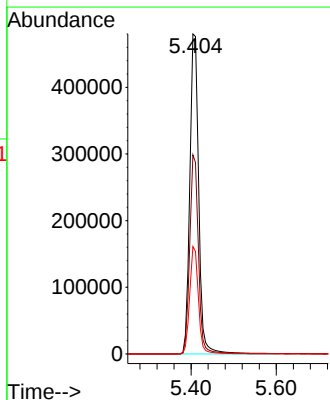
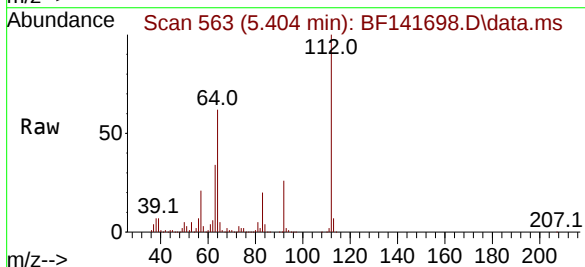
Instrument :
BNA_F
ClientSampleId :
PB166776BL

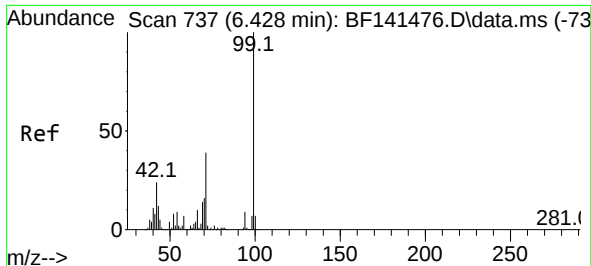
Tgt Ion:152 Resp: 87229
Ion Ratio Lower Upper
152 100
150 156.3 125.0 187.4
115 62.6 53.6 80.4



#5
2-Fluorophenol
Concen: 125.163 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:112 Resp: 696403
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 33.6 28.4 42.6

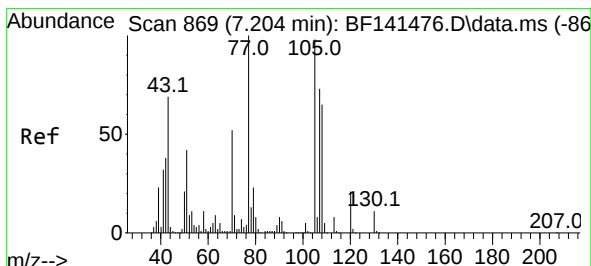
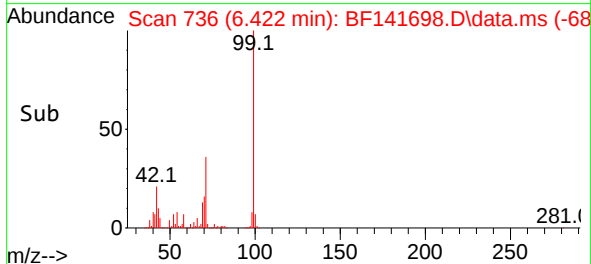
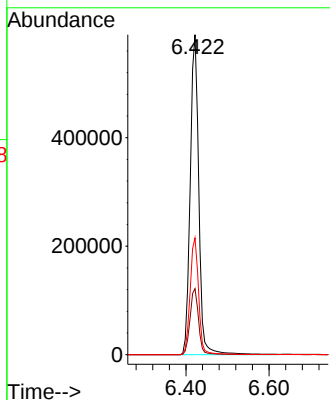
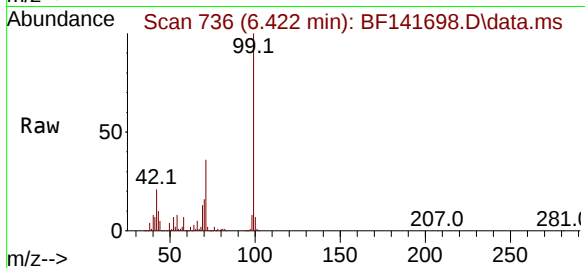




#7
Phenol-d6
Concen: 119.888 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

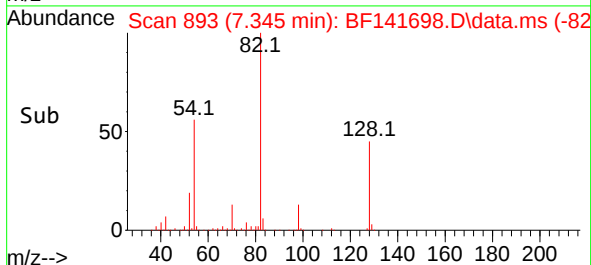
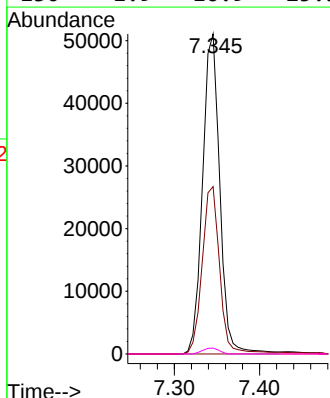
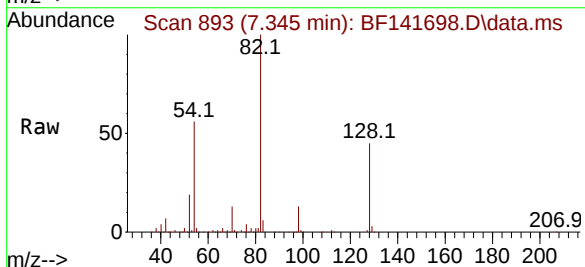
Instrument :
BNA_F
ClientSampleId :
PB166776BL

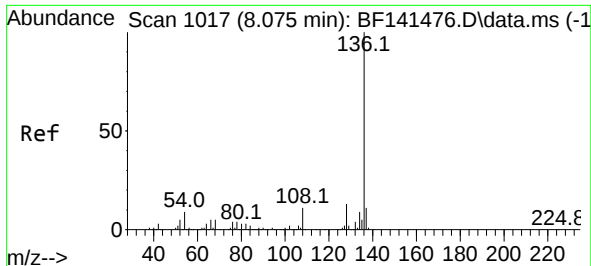
Tgt Ion: 99 Resp: 843104
Ion Ratio Lower Upper
99 100
42 20.6 19.1 28.7
71 36.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.068 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion: 70 Resp: 71797
Ion Ratio Lower Upper
70 100
42 52.3 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

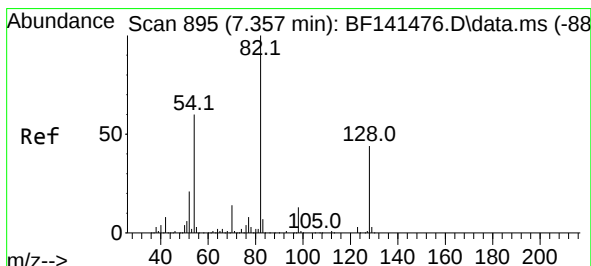
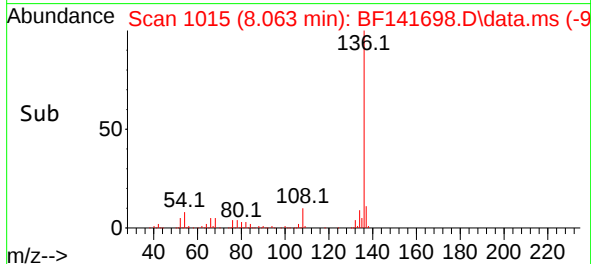
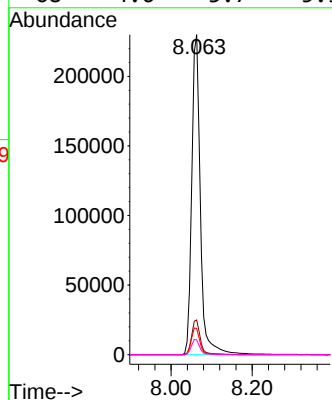
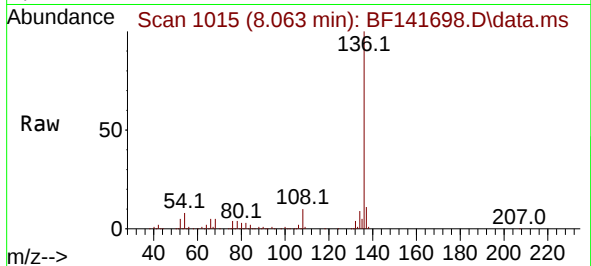




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

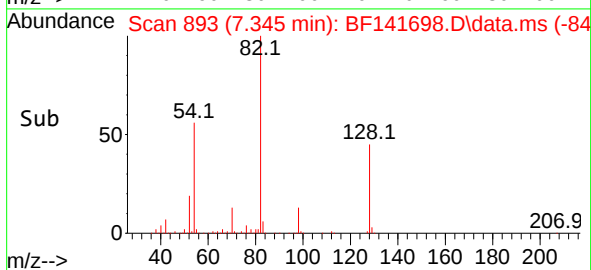
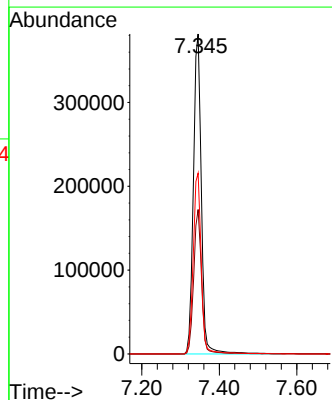
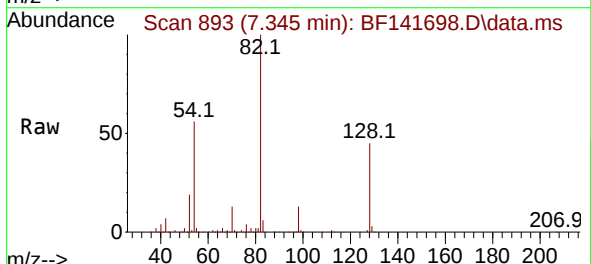
Instrument :
BNA_F
ClientSampleId :
PB166776BL

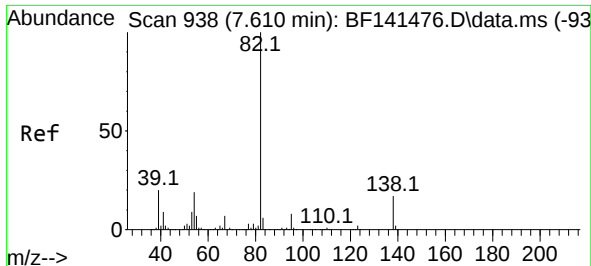
Tgt Ion:136 Resp: 339851
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.2 10.8
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 83.706 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion: 82 Resp: 545407
Ion Ratio Lower Upper
82 100
128 45.1 34.8 52.2
54 56.5 48.2 72.4

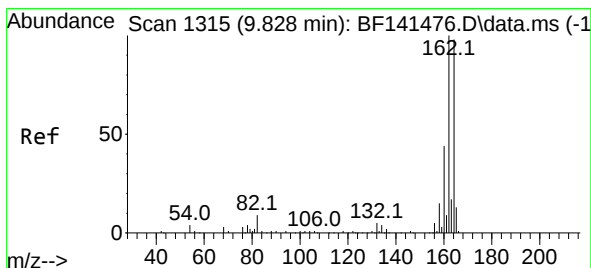
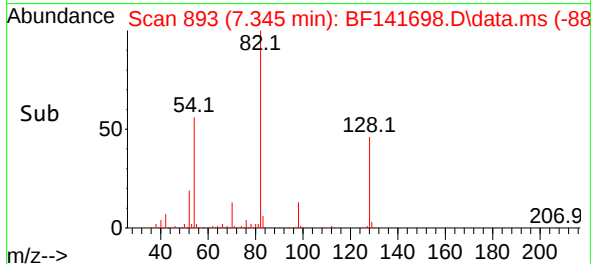
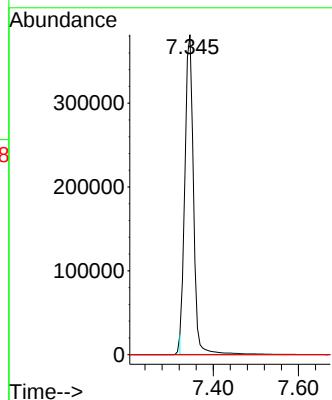
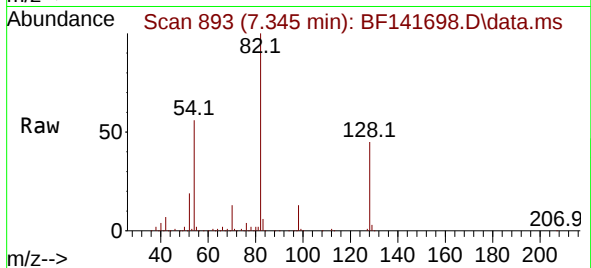




#25
Isophorone
Concen: 50.986 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

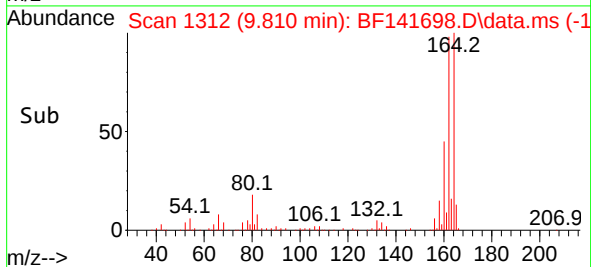
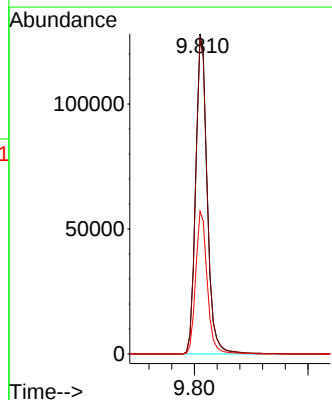
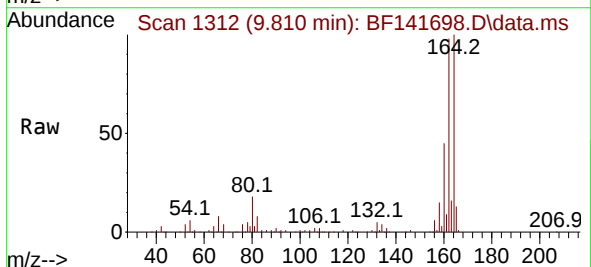
Instrument :
BNA_F
ClientSampleId :
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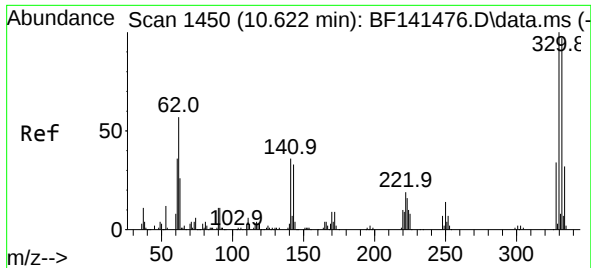
Tgt Ion: 82 Resp: 529704
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

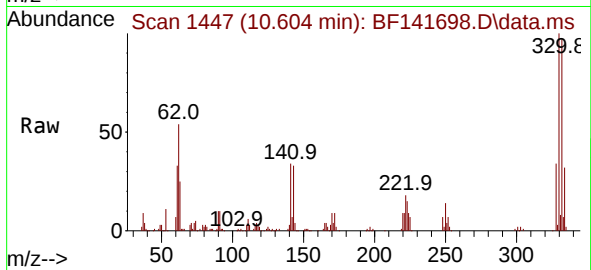
Tgt Ion:164 Resp: 180981
Ion Ratio Lower Upper
164 100
162 98.4 81.3 121.9
160 44.5 35.9 53.9



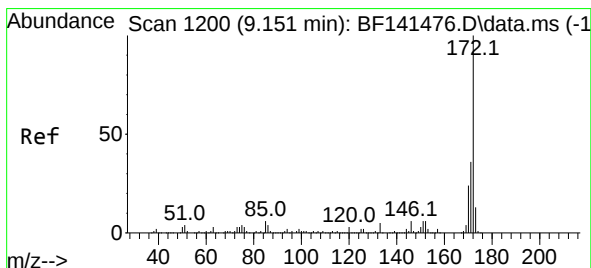
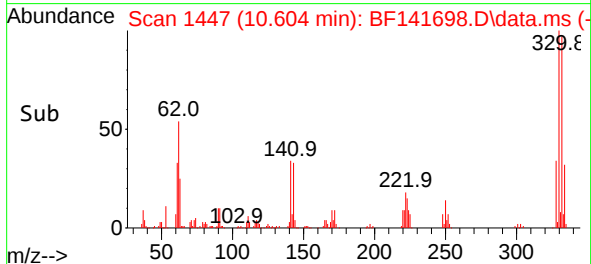
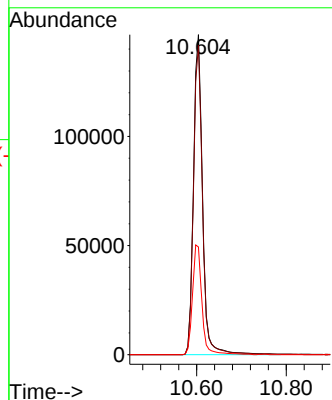


#42
2,4,6-Tribromophenol
Concen: 113.389 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Instrument :
BNA_F
ClientSampleId :
PB166776BL

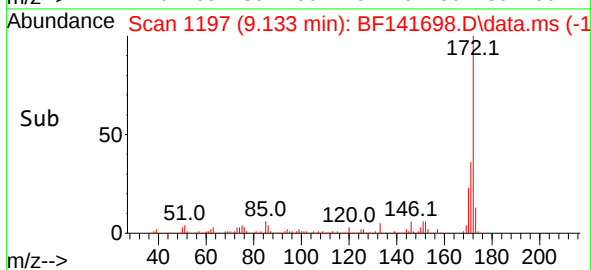
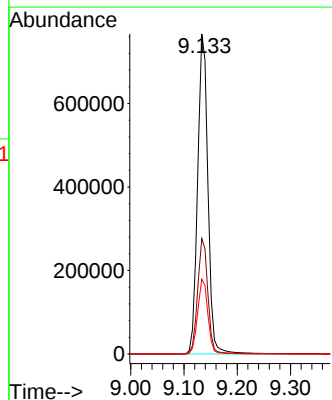
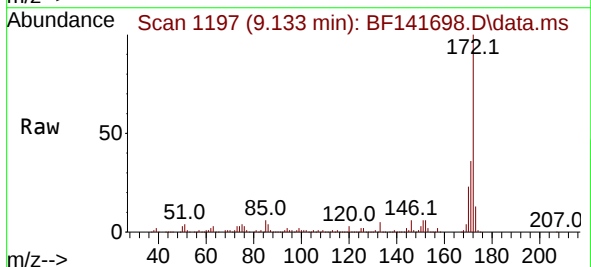


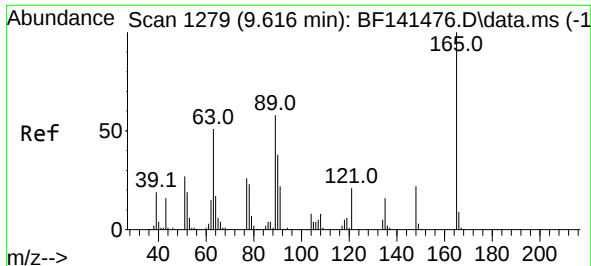
Tgt Ion:330 Resp: 206145
Ion Ratio Lower Upper
330 100
332 96.0 78.5 117.7
141 35.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 87.969 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141698.D
Acq: 20 Feb 2025 12:33

Tgt Ion:172 Resp: 1033384
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.553 ng

RT: 9.810 min Scan# 1

Delta R.T. 0.188 min

Lab File: BF141698.D

Acq: 20 Feb 2025 12:33

Instrument :

BNA_F

ClientSampleId :

PB166776BL

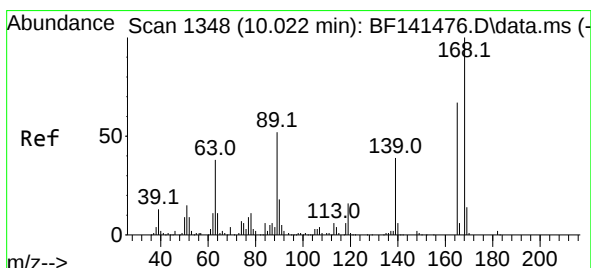
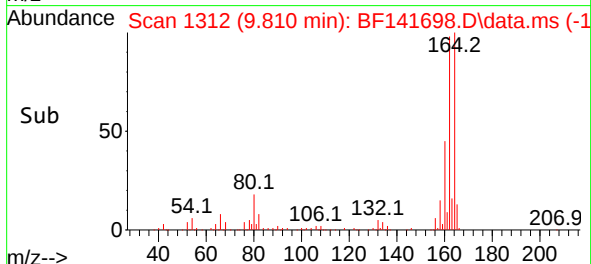
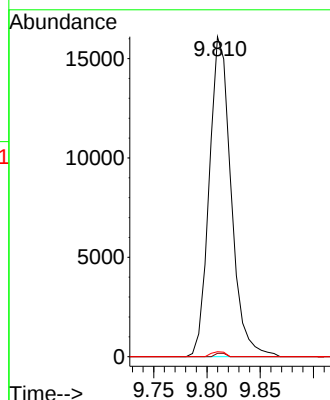
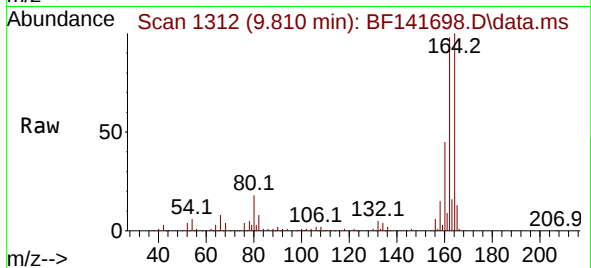
Tgt Ion:165 Resp: 22973

Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.0#

89 1.5 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.425 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.218 min

Lab File: BF141698.D

Acq: 20 Feb 2025 12:33

Tgt Ion:165 Resp: 22973

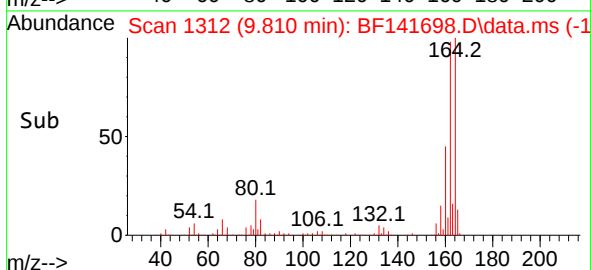
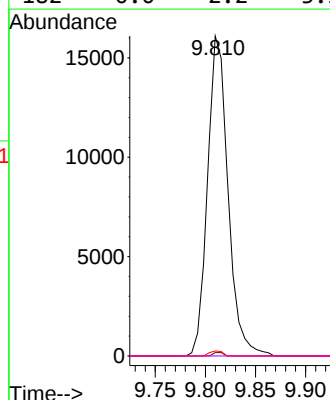
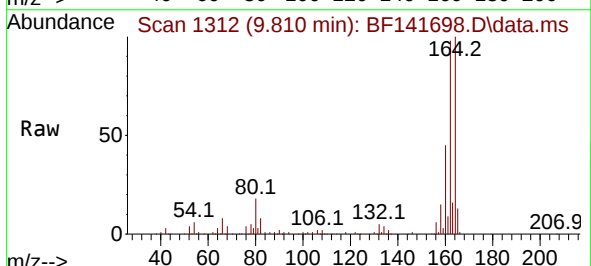
Ion Ratio Lower Upper

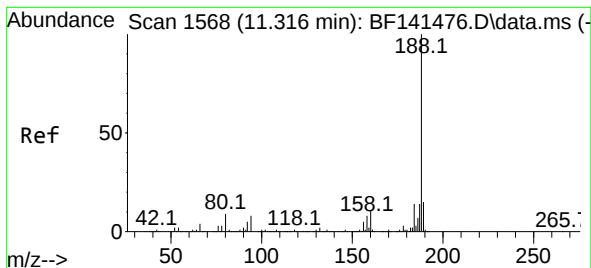
165 100

63 1.1 46.4 69.6#

89 1.5 61.8 92.6#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141698.D

Acq: 20 Feb 2025 12:33

Instrument :

BNA_F

ClientSampleId :

PB166776BL

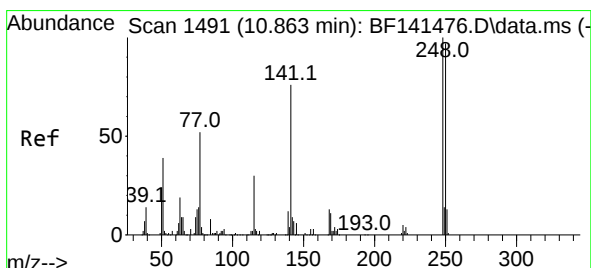
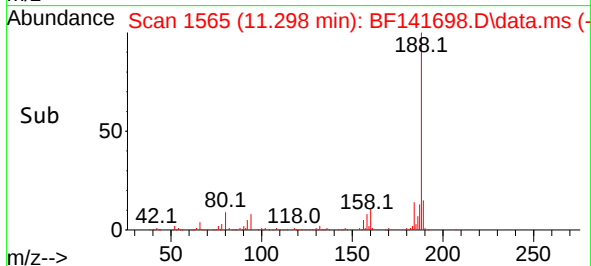
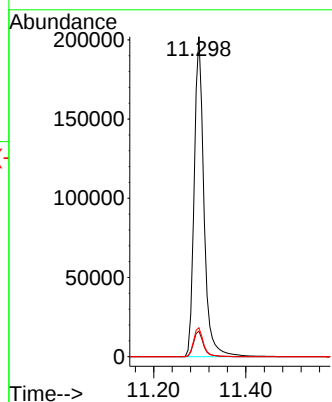
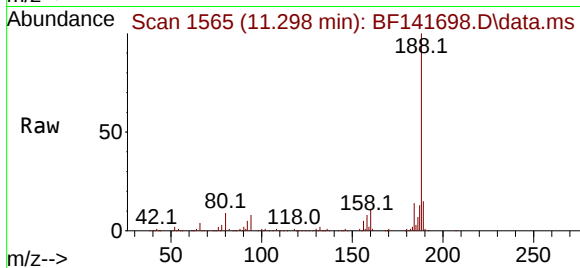
Tgt Ion:188 Resp: 295461

Ion Ratio Lower Upper

188 100

94 7.9 6.6 10.0

80 9.1 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.240 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141698.D

Acq: 20 Feb 2025 12:33

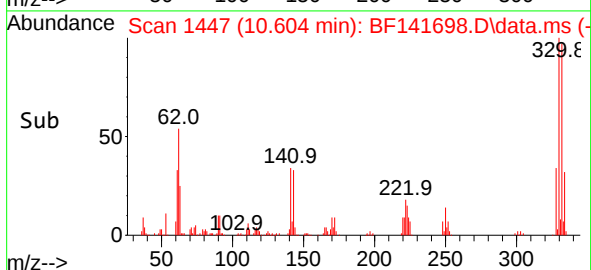
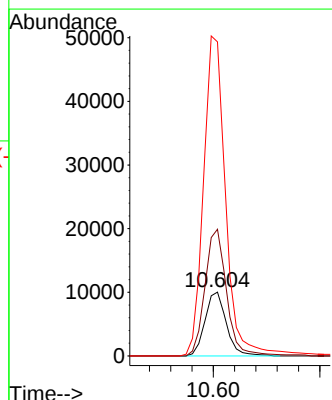
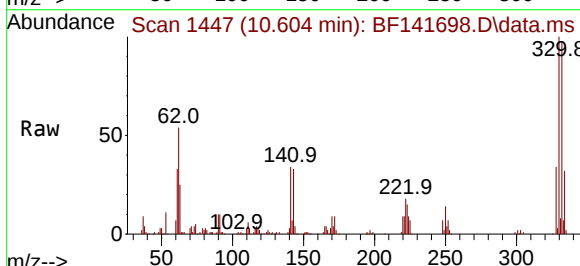
Tgt Ion:248 Resp: 14001

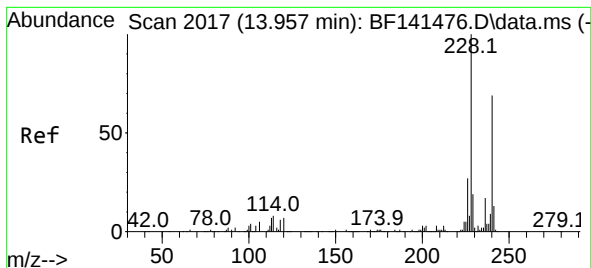
Ion Ratio Lower Upper

248 100

250 198.3 77.8 116.6#

141 491.6 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: BF141698.D

Acq: 20 Feb 2025 12:33

Instrument :

BNA_F

ClientSampleId :

PB166776BL

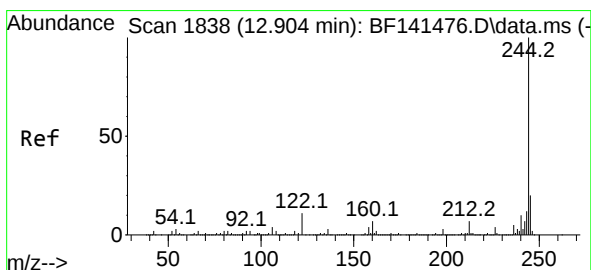
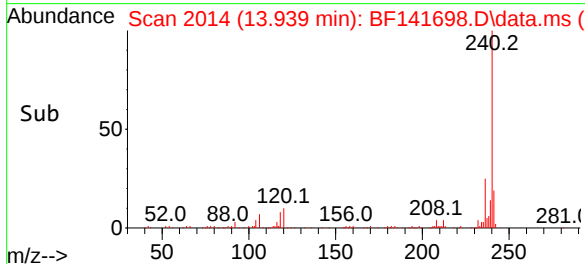
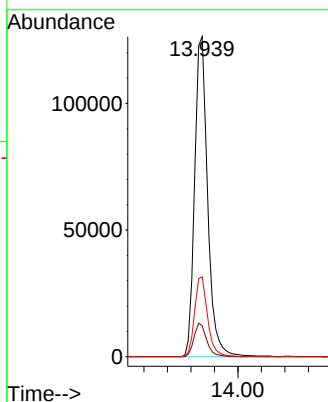
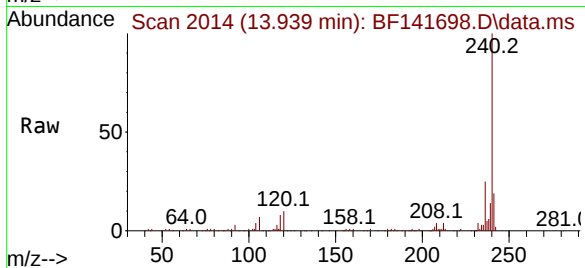
Tgt Ion:240 Resp: 194169

Ion Ratio Lower Upper

240 100

120 9.7 8.0 12.0

236 24.9 19.8 29.8



#79

Terphenyl-d14

Concen: 92.031 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141698.D

Acq: 20 Feb 2025 12:33

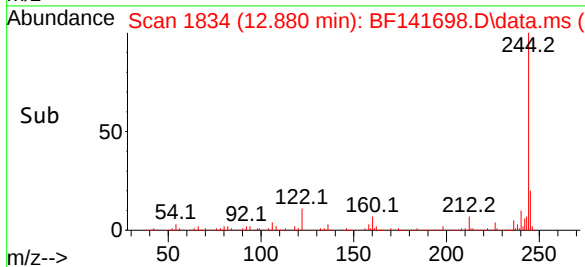
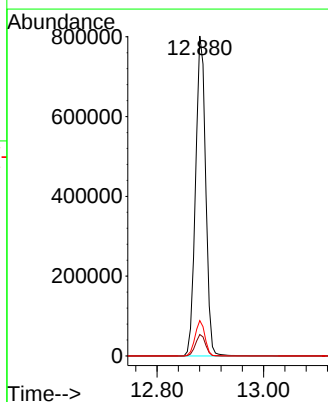
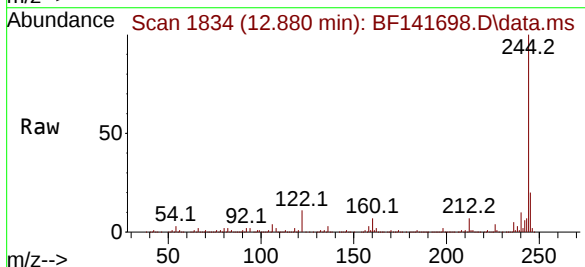
Tgt Ion:244 Resp: 1058511

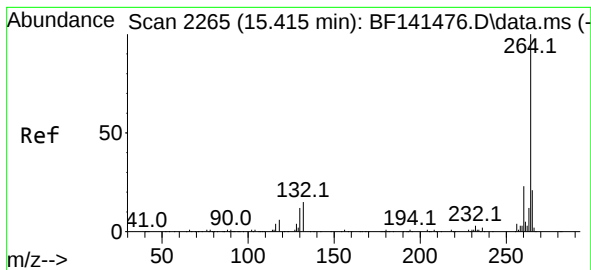
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.0 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: BF141698.D
 Acq: 20 Feb 2025 12:33

Instrument :
 BNA_F
 ClientSampleId :
 PB166776BL

Tgt Ion:264 Resp: 170584
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.6 28.0
 265 21.2 17.0 25.4

