

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141584.D
 Acq On : 12 Feb 2025 12:36
 Operator : RC/JU
 Sample : PB166651TB
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166651TB

Quant Time: Feb 12 13:05:43 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)

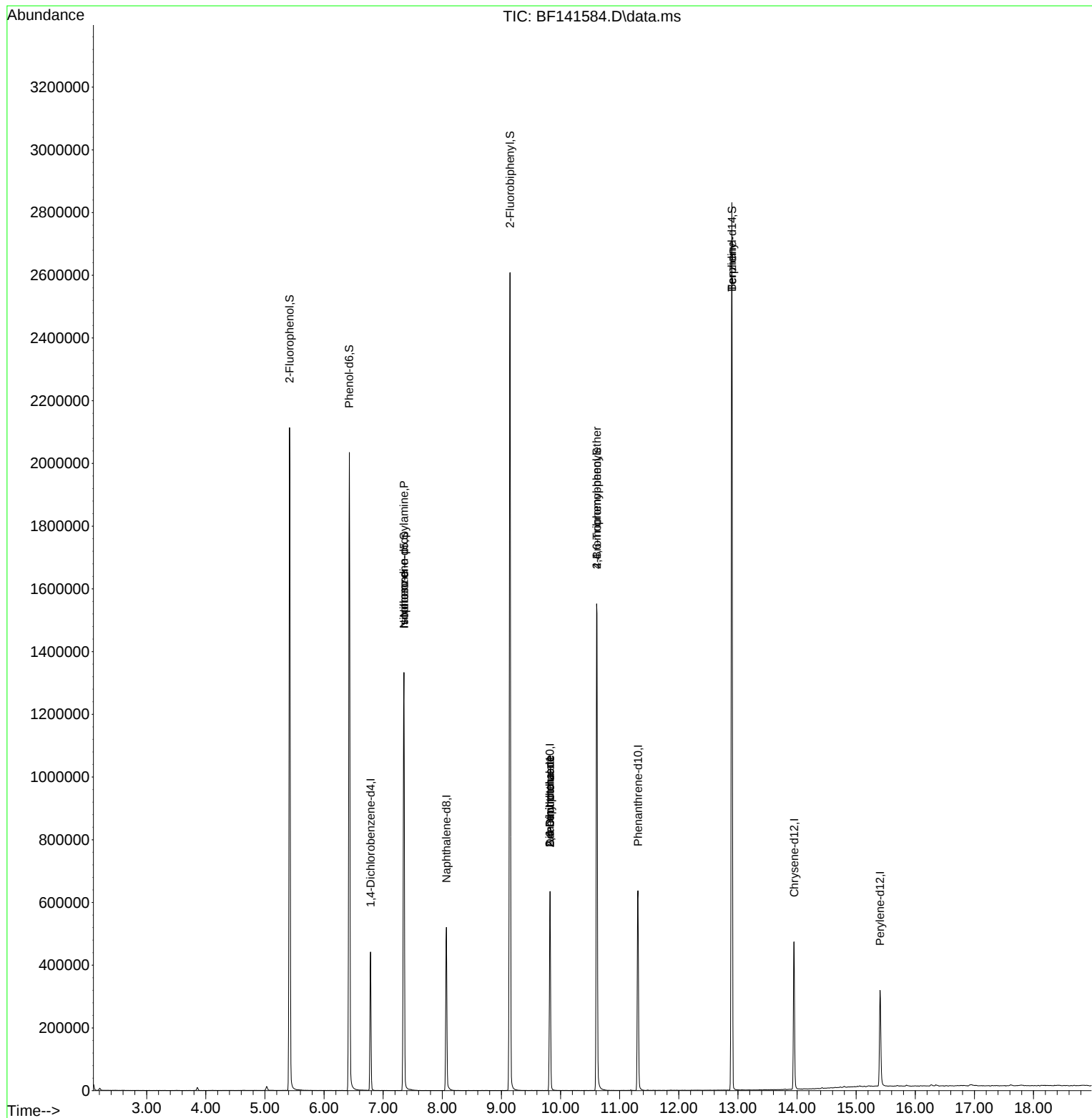
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89881	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	364183	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	197468	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	360541	20.000	ng	0.00
76) Chrysene-d12	13.951	240	254974	20.000	ng	-0.01
86) Perylene-d12	15.404	264	194552	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	773137	134.854	ng	0.00
7) Phenol-d6	6.428	99	960337	132.529	ng	-0.01
23) Nitrobenzene-d5	7.351	82	642343	91.996	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	270134	136.180	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1221402	95.294	ng	0.00
79) Terphenyl-d14	12.898	244	1452001	96.136	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	87219	20.122	ng	# 74
25) Isophorone	7.351	82	621978	55.868	ng	# 66
50) Dimethylphthalate	9.822	163	29145	2.174	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	24920	8.504	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	24920	6.388	ng	# 19
67) 4-Bromophenyl-phenylether	10.616	248	18394	4.565	ng	# 1
77) Benzidine	12.898	184	18944	3.369	ng	# 91

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

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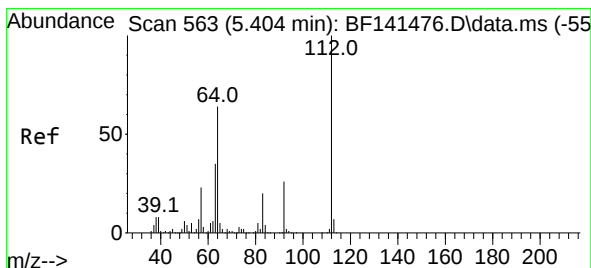
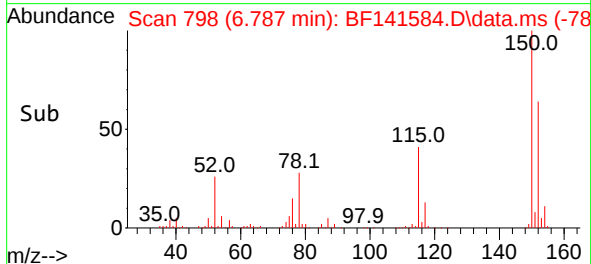
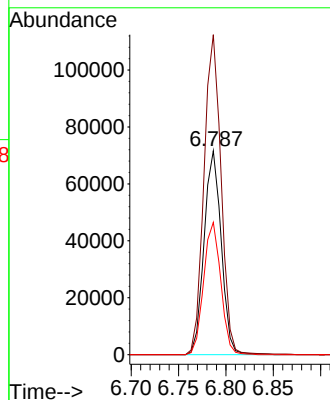
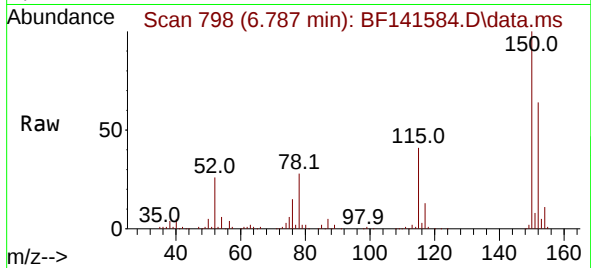




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

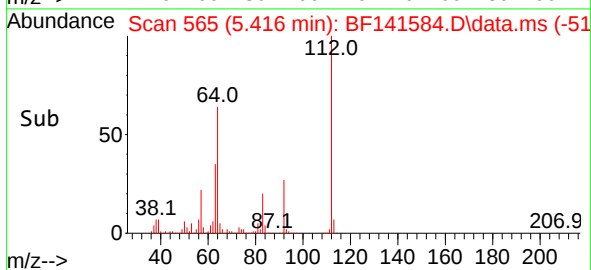
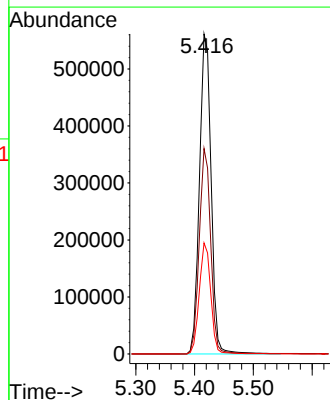
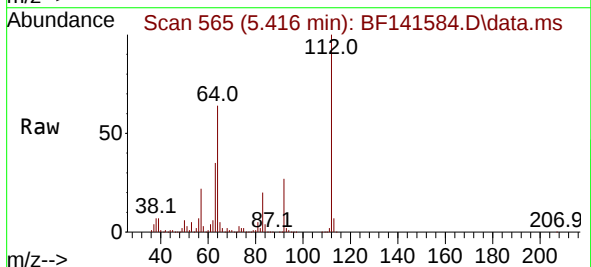
Instrument :
BNA_F
ClientSampleId :
PB166651TB

Tgt Ion:152 Resp: 89881
Ion Ratio Lower Upper
152 100
150 157.0 125.0 187.4
115 64.9 53.6 80.4



#5
2-Fluorophenol
Concen: 134.854 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

Tgt Ion:112 Resp: 773137
Ion Ratio Lower Upper
112 100
64 64.2 51.1 76.7
63 34.7 28.4 42.6

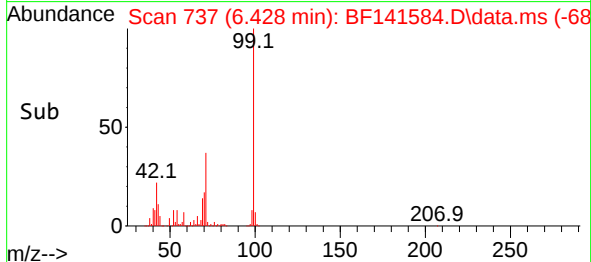
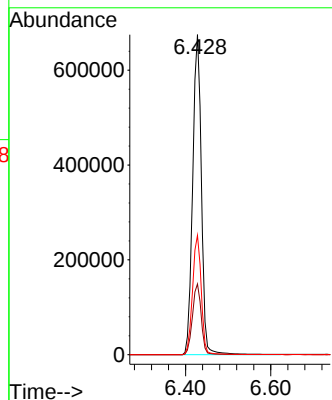
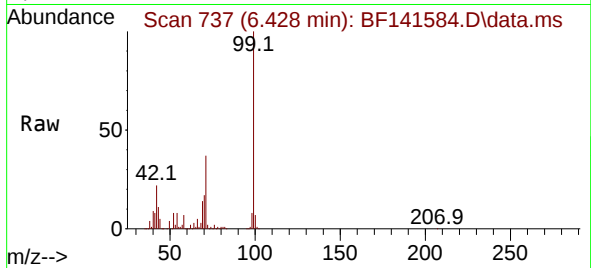




#7
Phenol-d6
Concen: 132.529 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

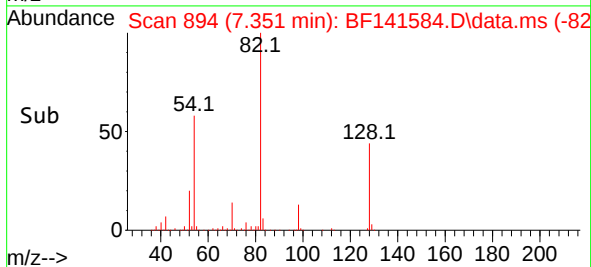
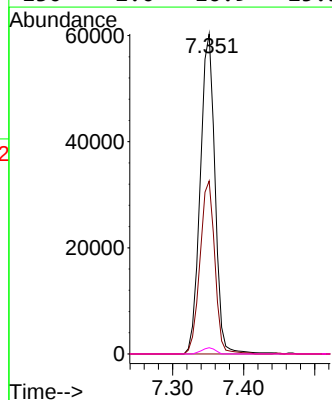
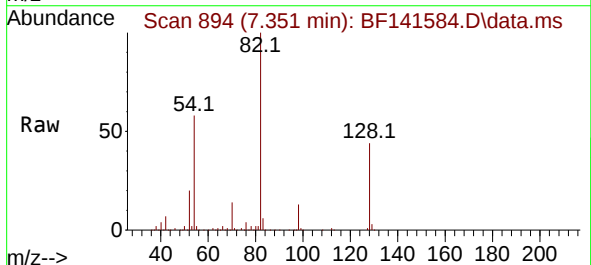
Instrument :
BNA_F
ClientSampleId :
PB166651TB

Tgt Ion: 99 Resp: 960337
Ion Ratio Lower Upper
99 100
42 22.1 19.1 28.7
71 37.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.122 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

Tgt Ion: 70 Resp: 87219
Ion Ratio Lower Upper
70 100
42 54.1 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

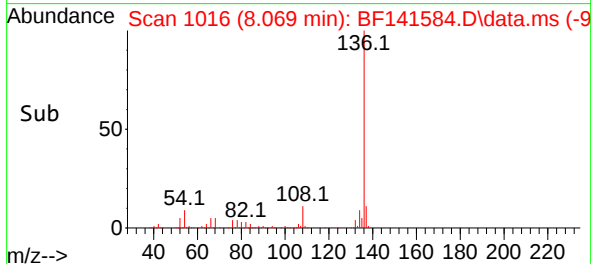
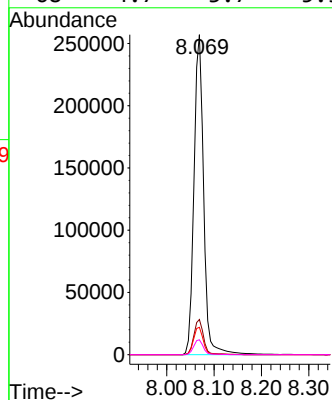
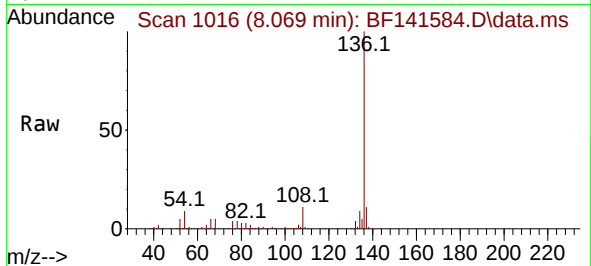




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

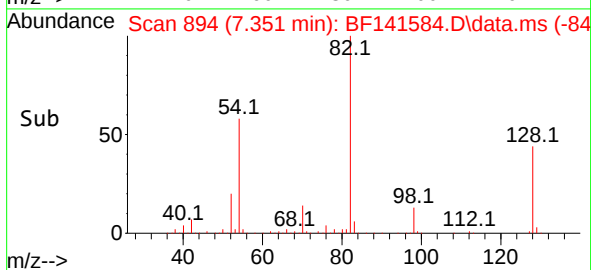
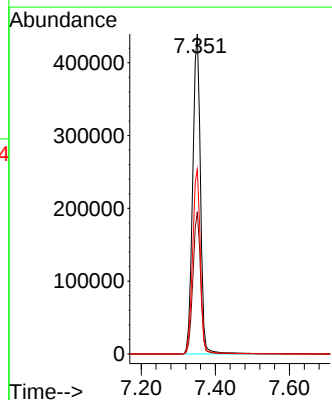
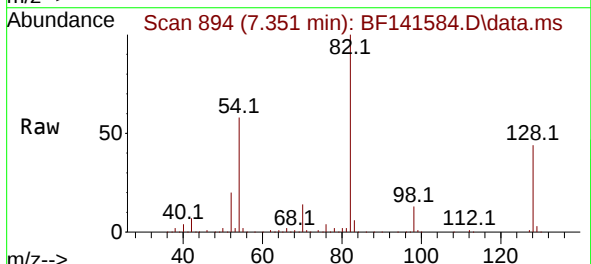
Instrument :
BNA_F
ClientSampleId :
PB166651TB

Tgt Ion:136 Resp: 364183
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 91.996 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

Tgt Ion: 82 Resp: 642343
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 57.6 48.2 72.4

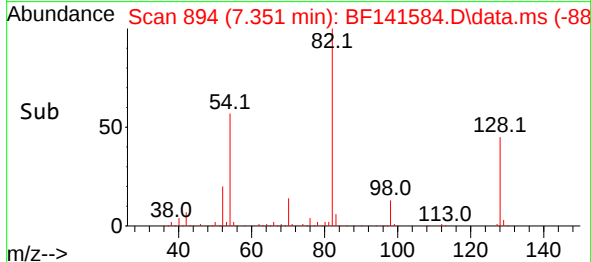
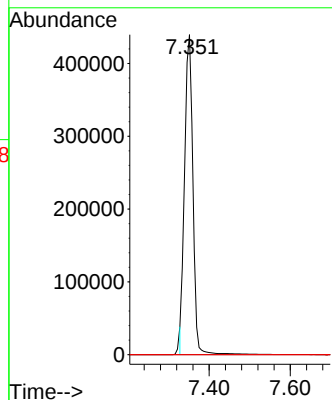
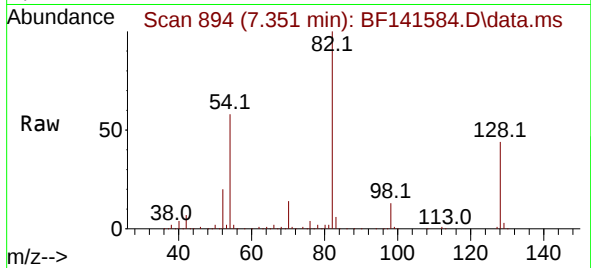




#25
Isophorone
Concen: 55.868 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

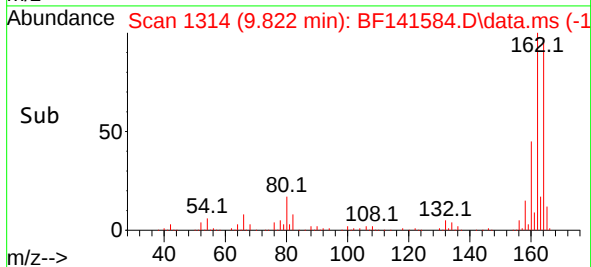
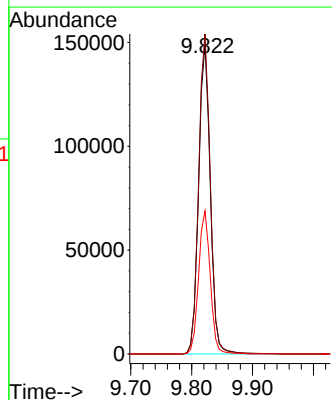
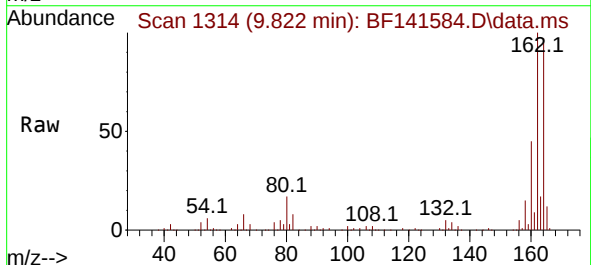
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ClientSampleId :
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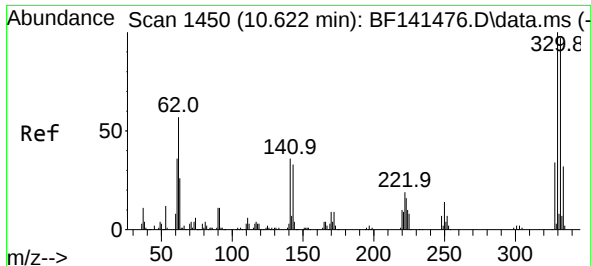
Tgt Ion: 82 Resp: 621978
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

Tgt Ion:164 Resp: 197468
Ion Ratio Lower Upper
164 100
162 103.5 81.3 121.9
160 46.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 136.180 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141584.D

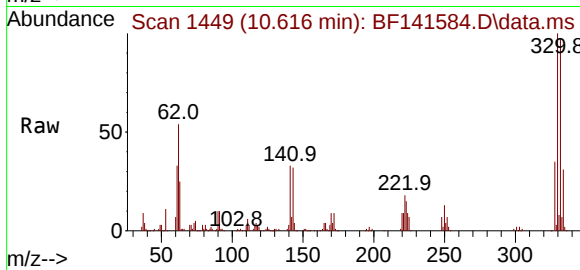
Acq: 12 Feb 2025 12:36

Instrument :

BNA_F

ClientSampleId :

PB166651TB



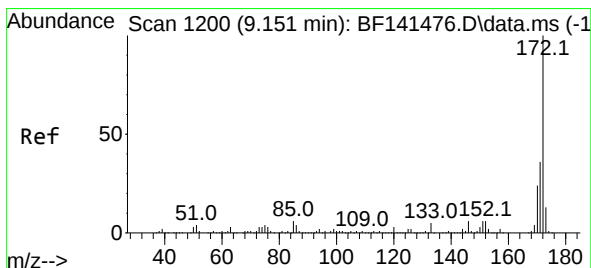
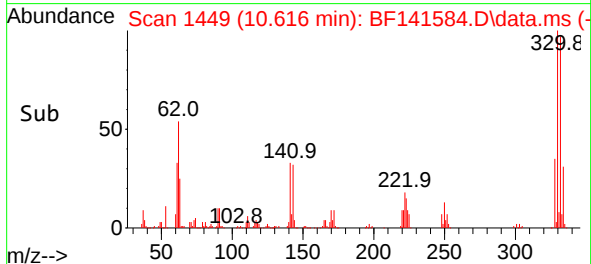
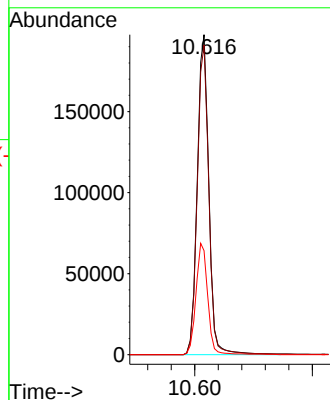
Tgt Ion:330 Resp: 270134

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

141 35.4 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 95.294 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141584.D

Acq: 12 Feb 2025 12:36

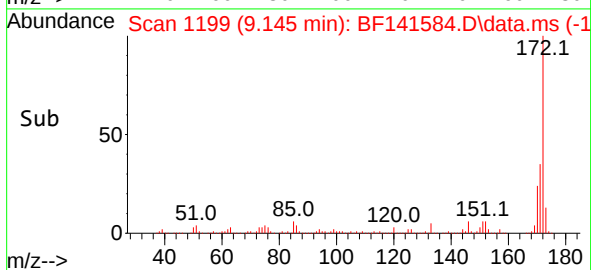
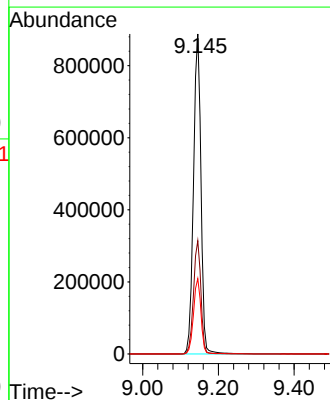
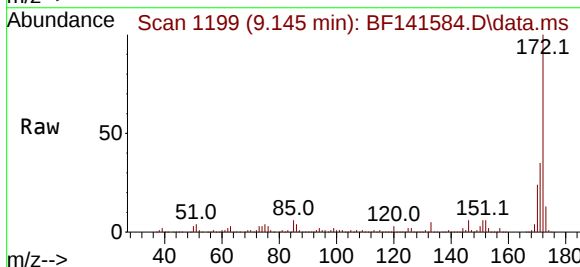
Tgt Ion:172 Resp: 1221402

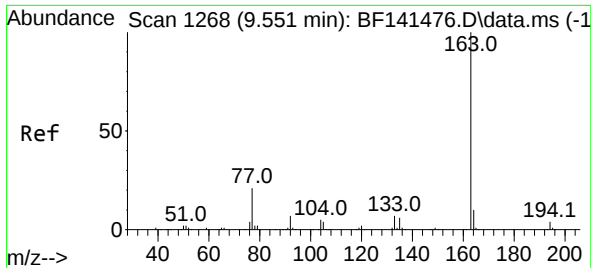
Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.6 18.9 28.3

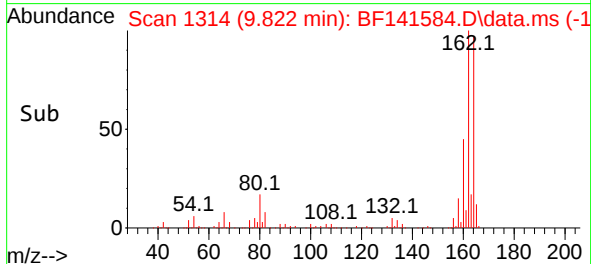
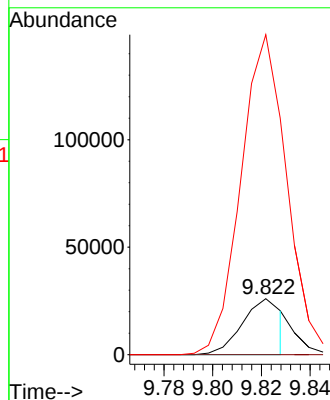
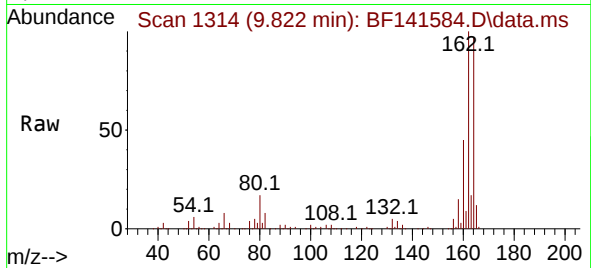




#50
Dimethylphthalate
Concen: 2.174 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

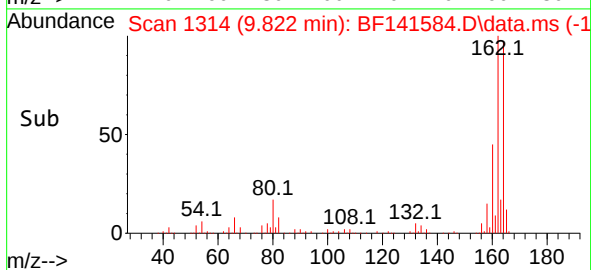
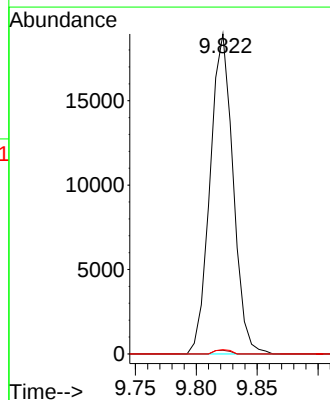
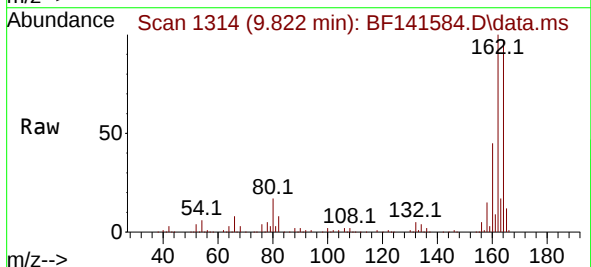
Instrument :
BNA_F
ClientSampleId :
PB166651TB

Tgt Ion:163 Resp: 29145
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 571.0 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.504 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

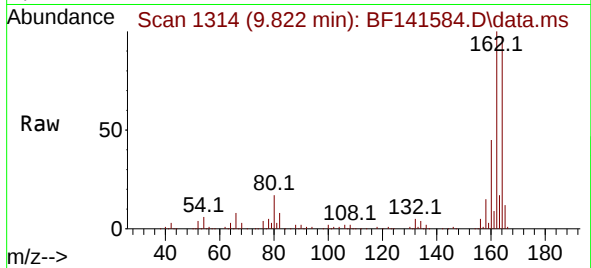
Tgt Ion:165 Resp: 24920
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.0#
89 1.4 46.5 69.7#



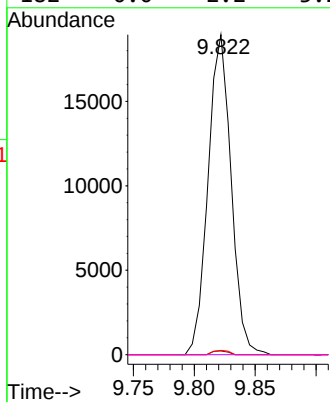
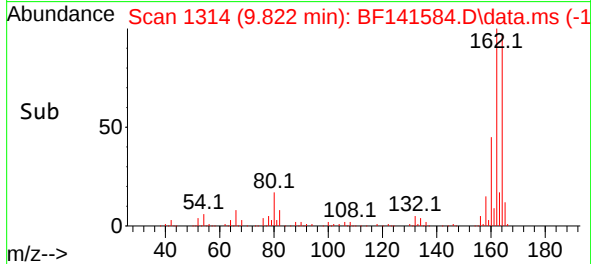


#57
2,4-Dinitrotoluene
Concen: 6.388 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

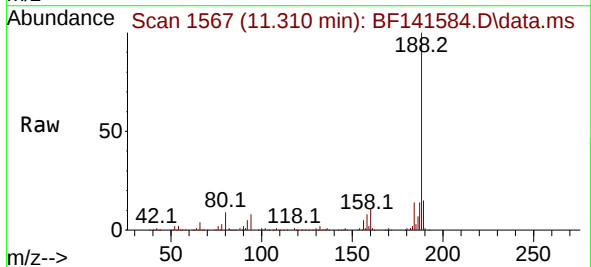
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BNA_F
ClientSampleId :
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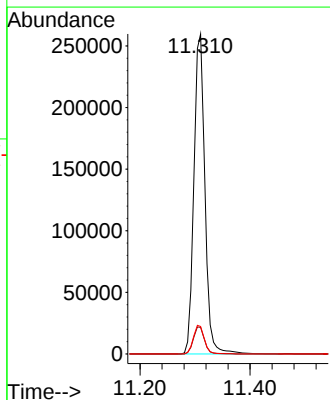
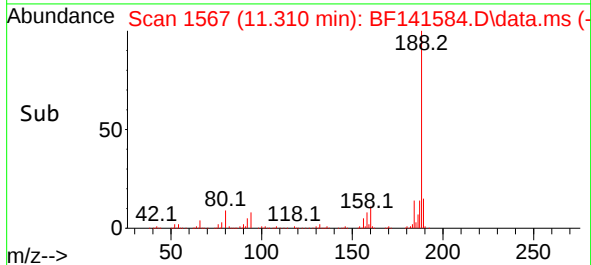
Tgt Ion:165 Resp: 24920
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#

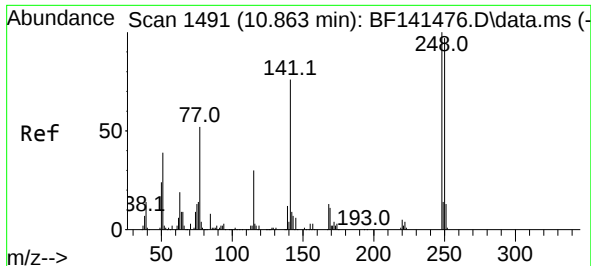


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36



Tgt Ion:188 Resp: 360541
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.6 7.3 10.9

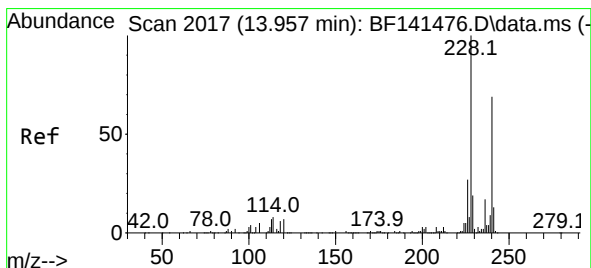
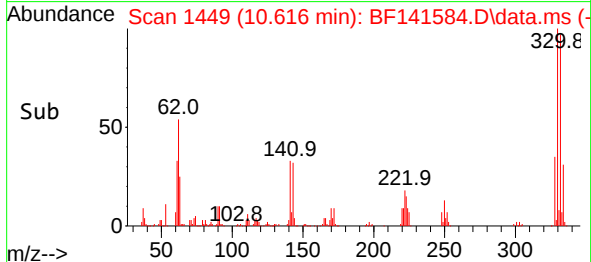
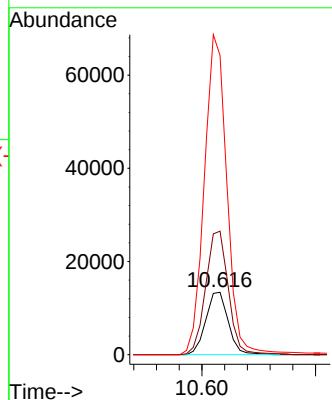
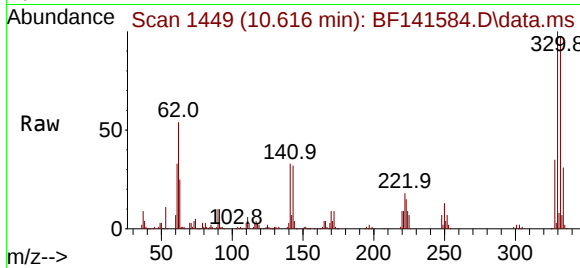




#67
4-Bromophenyl-phenylether
Concen: 4.565 ng
RT: 10.616 min Scan# 1491
Delta R.T. -0.247 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

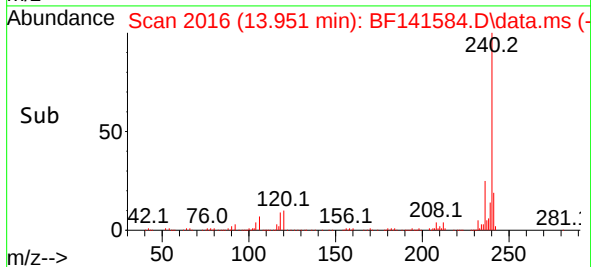
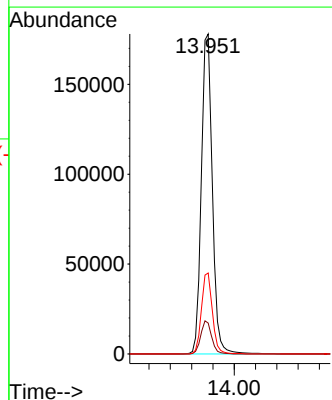
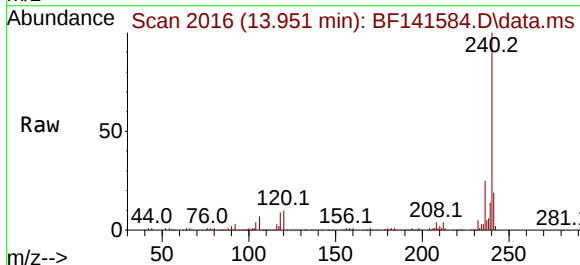
Instrument :
BNA_F
ClientSampleId :
PB166651TB

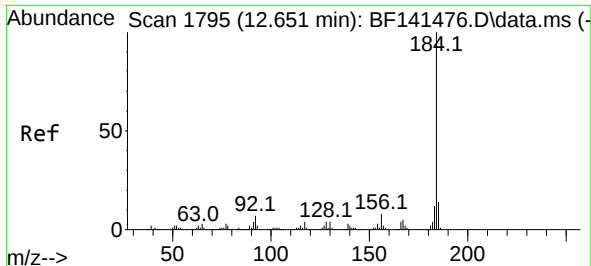
Tgt Ion:248 Resp: 18394
Ion Ratio Lower Upper
248 100
250 198.1 77.8 116.6#
141 479.6 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

Tgt Ion:240 Resp: 254974
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.3 19.8 29.8

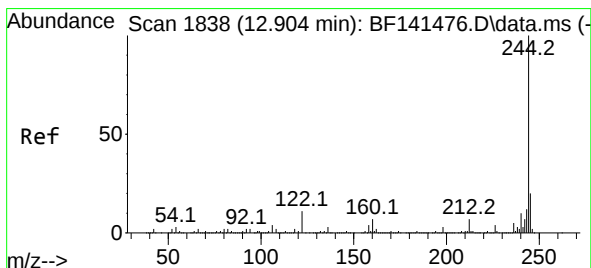
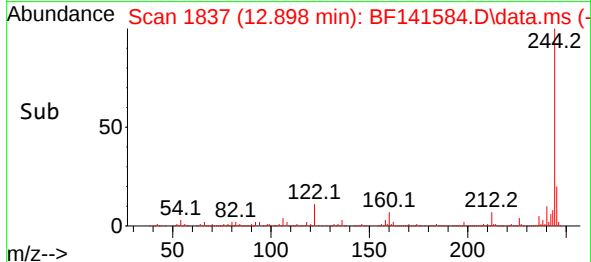
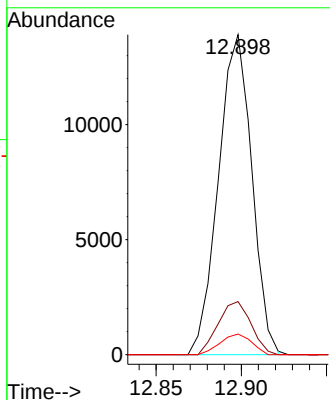
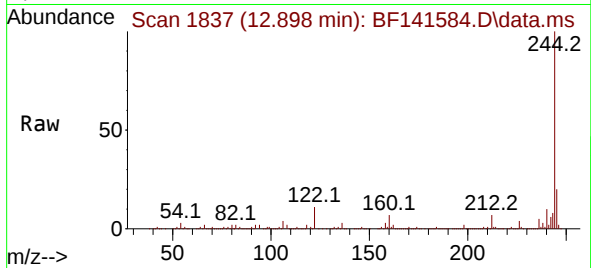




#77
Benzidine
Concen: 3.369 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.241 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

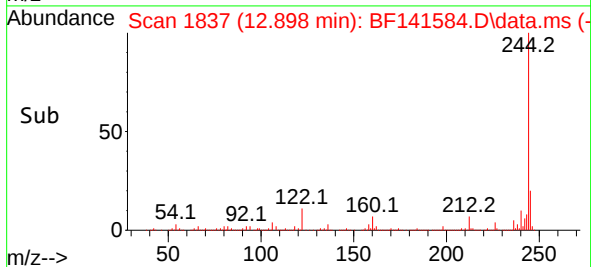
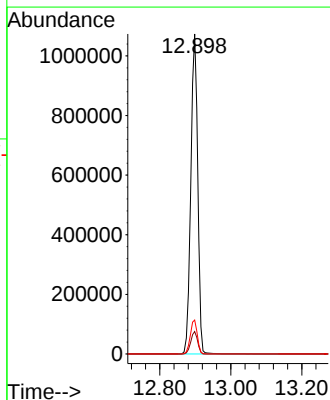
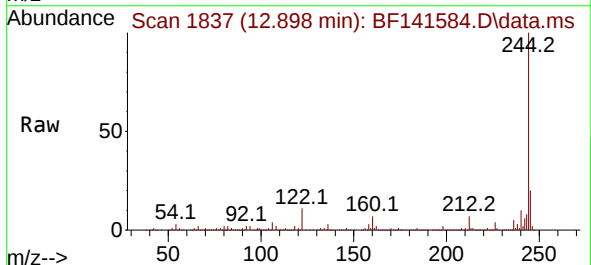
Instrument :
BNA_F
ClientSampleId :
PB166651TB

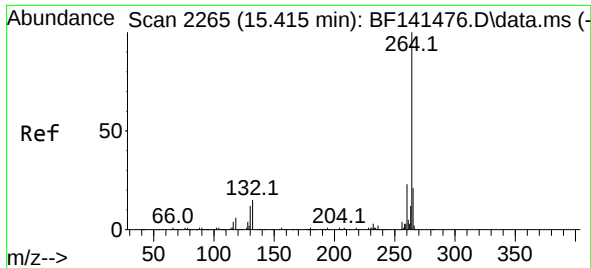
Tgt Ion:184 Resp: 18944
Ion Ratio Lower Upper
184 100
185 16.6 11.3 16.9
183 6.5 9.3 13.9#



#79
Terphenyl-d14
Concen: 96.136 ng
RT: 12.898 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

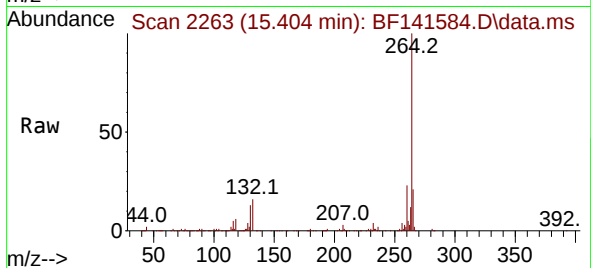
Tgt Ion:244 Resp: 1452001
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.6 8.4 12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF141584.D
Acq: 12 Feb 2025 12:36

Instrument :
BNA_F
ClientSampleId :
PB166651TB



Tgt Ion:264 Resp: 194552

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	20.6	17.0	25.4

