

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141696.D
 Acq On : 20 Feb 2025 11:33
 Operator : RC/JU
 Sample : PB166772BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166772BL

Quant Time: Feb 20 11:59:53 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)

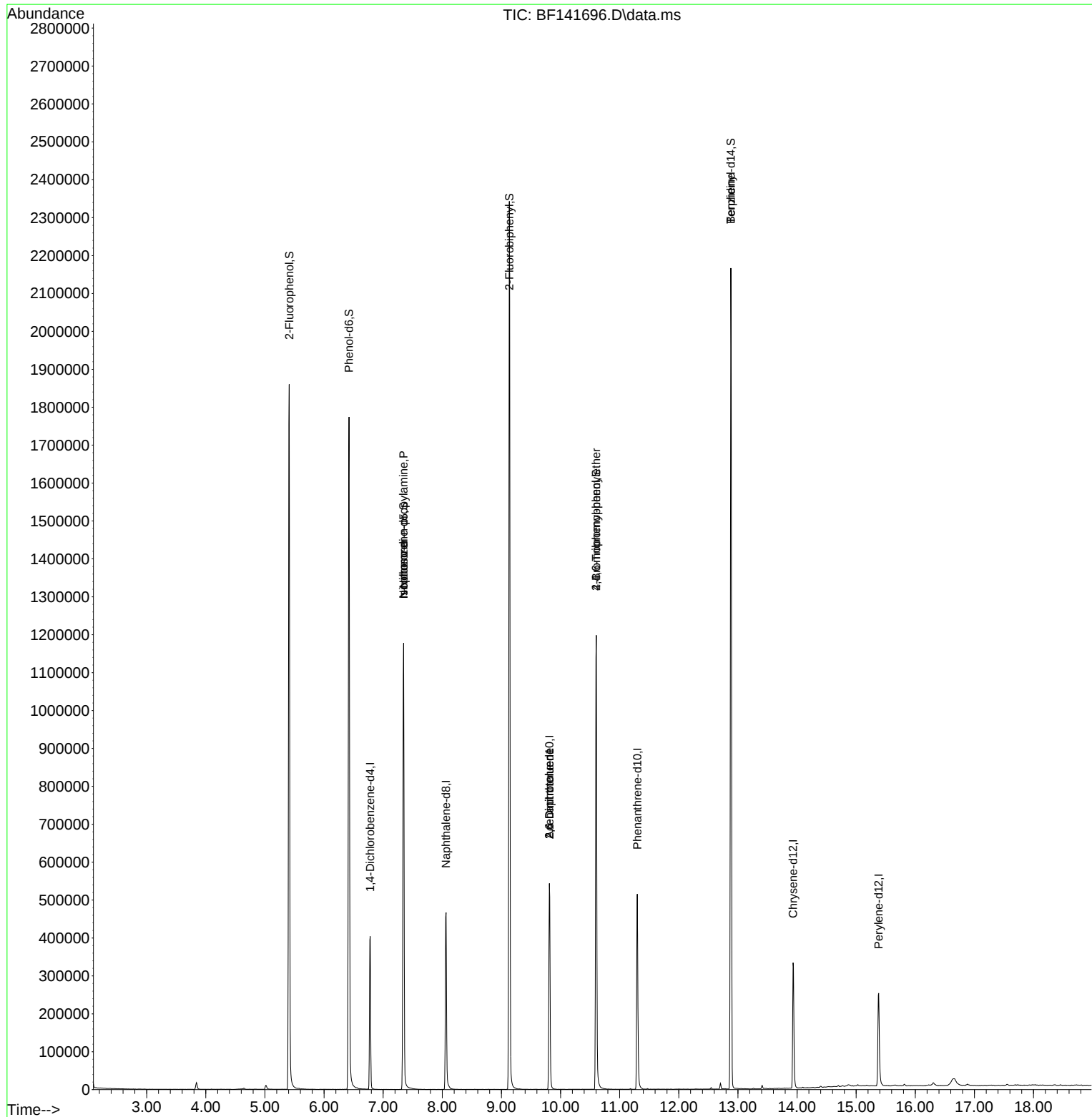
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	88003	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	346202	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	181756	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	302761	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	192051	20.000	ng	-0.03
86) Perylene-d12	15.380	264	172118	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	716692	127.676	ng	0.00
7) Phenol-d6	6.422	99	868264	122.380	ng	-0.02
23) Nitrobenzene-d5	7.345	82	568758	85.688	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	212269	116.259	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	1074076	91.043	ng	-0.02
79) Terphenyl-d14	12.880	244	1095849	96.328	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	76675	18.067	ng	# 72
25) Isophorone	7.345	82	552406	52.196	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	22993	8.524	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	22993	6.403	ng	# 19
67) 4-Bromophenyl-phenylether	10.604	248	14065	4.157	ng	# 1
77) Benzidine	12.880	184	14755	3.484	ng	# 89

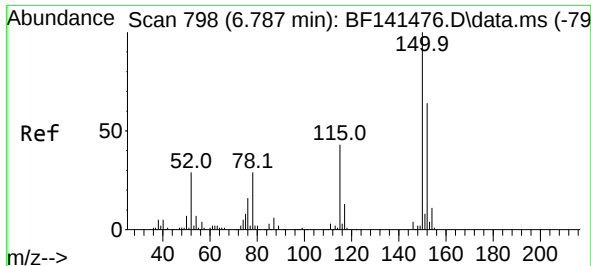
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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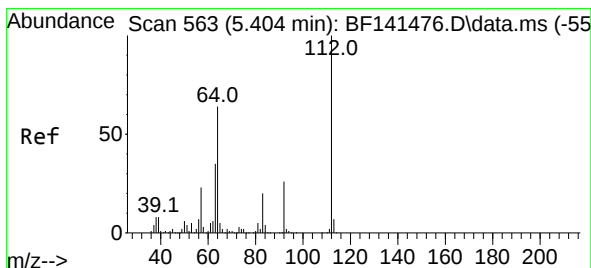
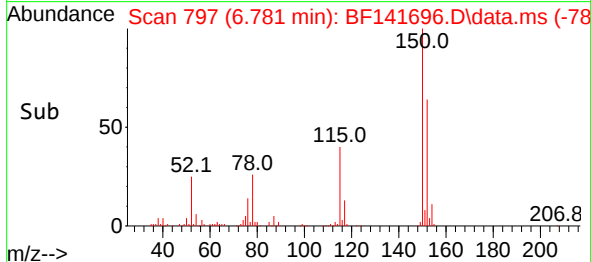
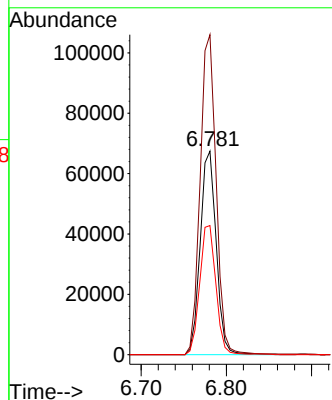
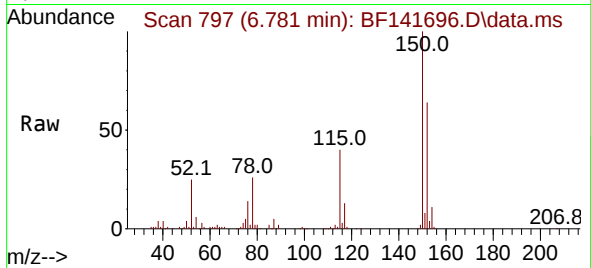




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141696.D
 Acq: 20 Feb 2025 11:33

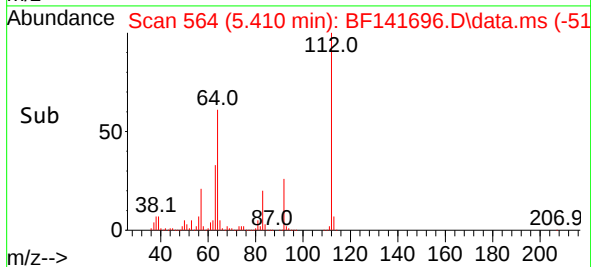
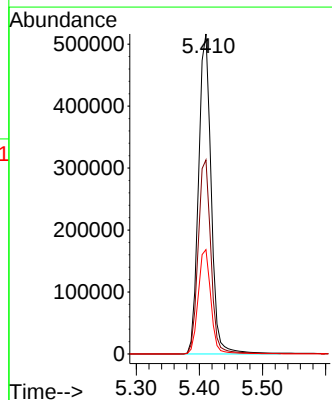
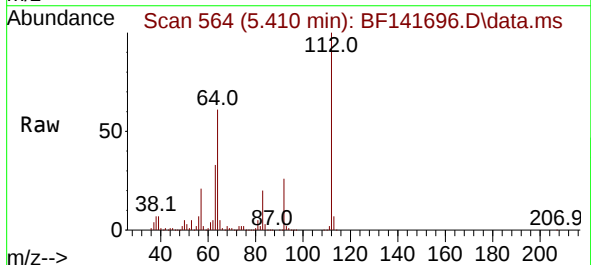
Instrument :
 BNA_F
 ClientSampleId :
 PB166772BL

Tgt Ion:152 Resp: 88003
 Ion Ratio Lower Upper
 152 100
 150 157.2 125.0 187.4
 115 63.5 53.6 80.4



#5
 2-Fluorophenol
 Concen: 127.676 ng
 RT: 5.410 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF141696.D
 Acq: 20 Feb 2025 11:33

Tgt Ion:112 Resp: 716692
 Ion Ratio Lower Upper
 112 100
 64 60.6 51.1 76.7
 63 32.6 28.4 42.6

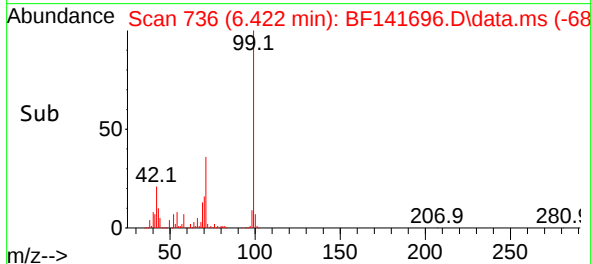
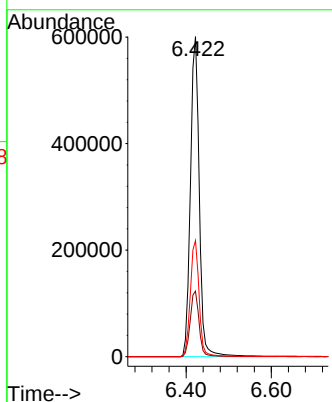
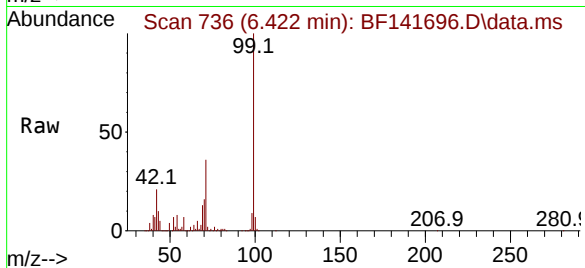




#7
Phenol-d6
Concen: 122.380 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

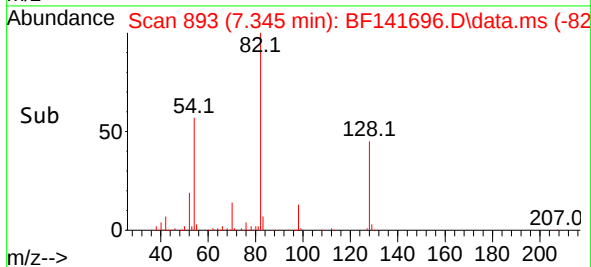
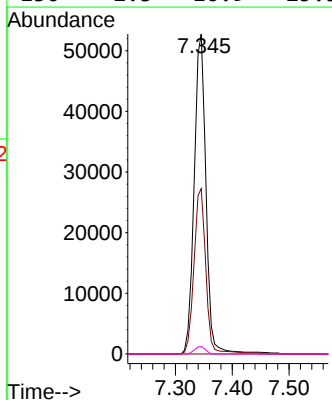
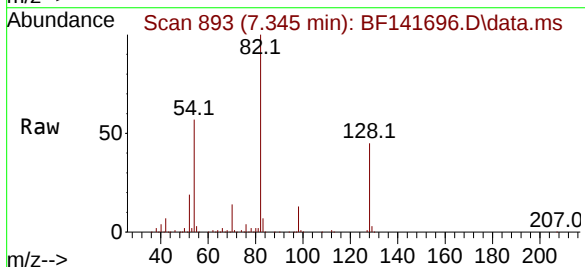
Instrument :
BNA_F
ClientSampleId :
PB166772BL

Tgt Ion: 99 Resp: 868264
Ion Ratio Lower Upper
99 100
42 20.5 19.1 28.7
71 36.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 18.067 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

Tgt Ion: 70 Resp: 76675
Ion Ratio Lower Upper
70 100
42 51.7 57.4 86.2#
101 0.0 8.0 12.0#
130 2.3 16.9 25.3#

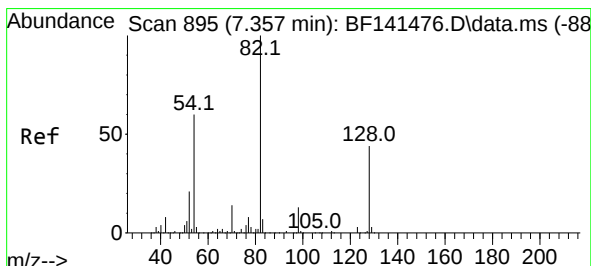
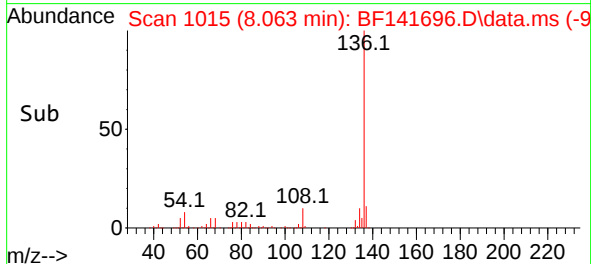
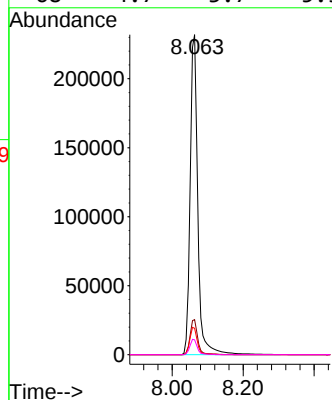
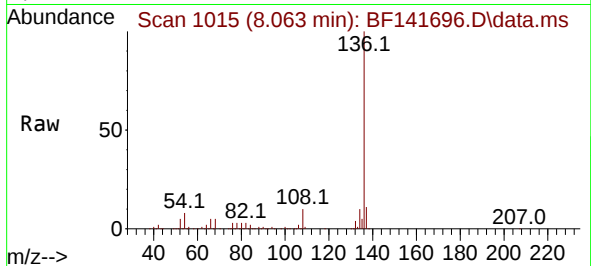




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

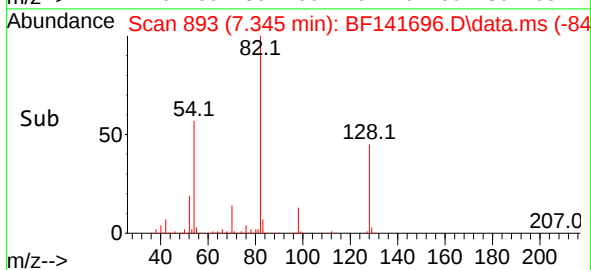
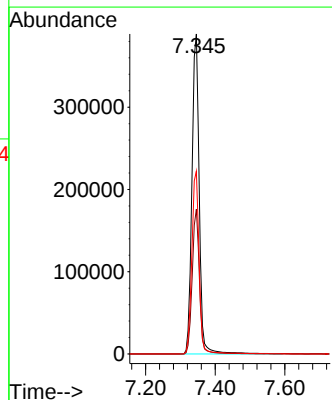
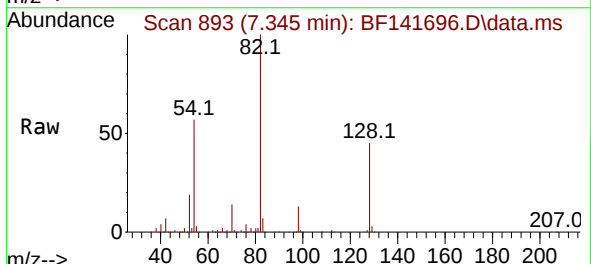
Instrument :
BNA_F
ClientSampleId :
PB166772BL

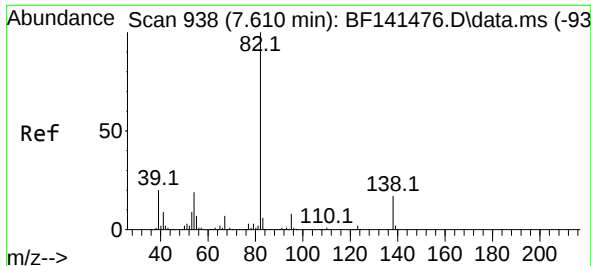
Tgt Ion:	136	Resp:	346202
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	8.2	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 85.688 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

Tgt Ion:	82	Resp:	568758
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.8	52.2
54	57.1	48.2	72.4

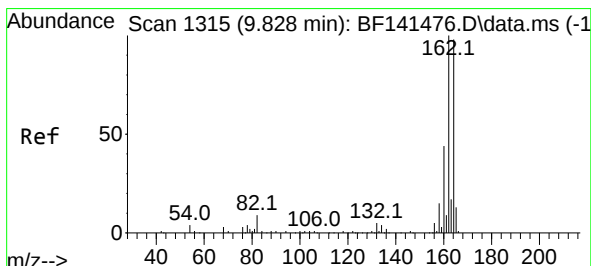
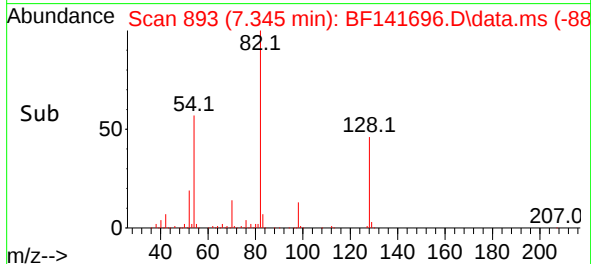
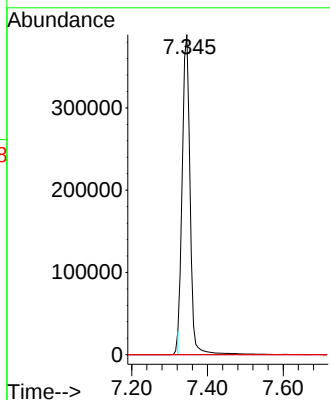
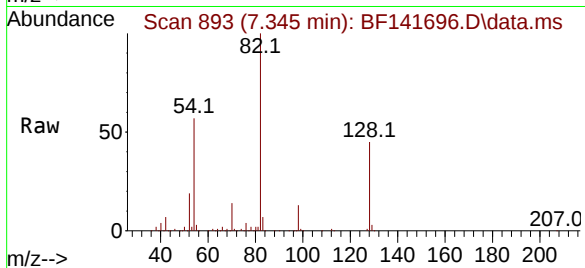




#25
Isophorone
Concen: 52.196 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

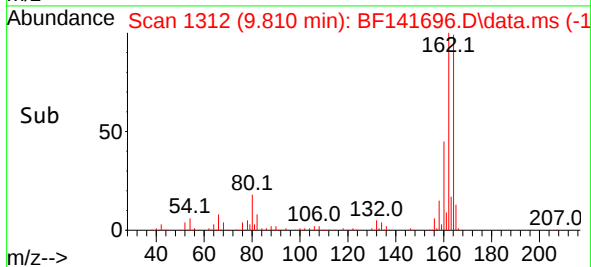
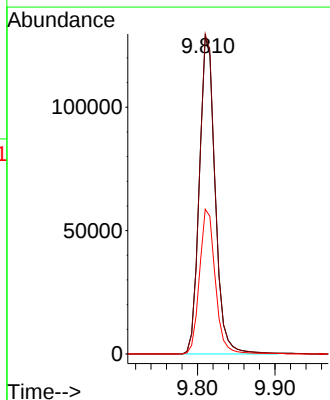
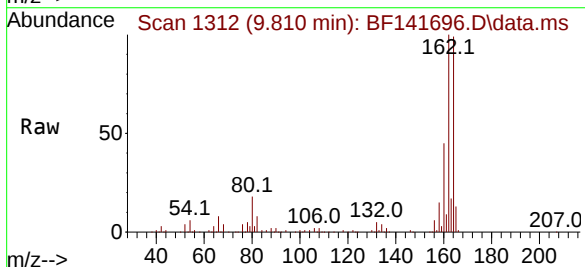
Instrument :
BNA_F
ClientSampleId :
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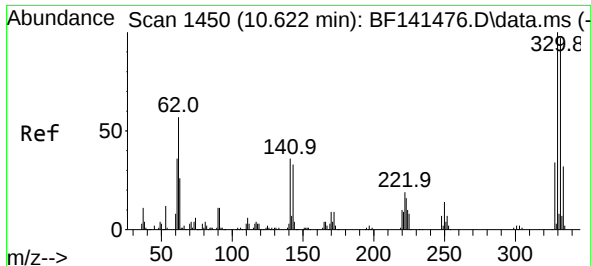
Tgt Ion: 82 Resp: 552406
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

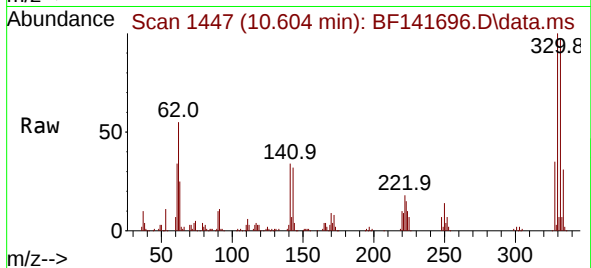
Tgt Ion: 164 Resp: 181756
Ion Ratio Lower Upper
164 100
162 100.9 81.3 121.9
160 45.7 35.9 53.9



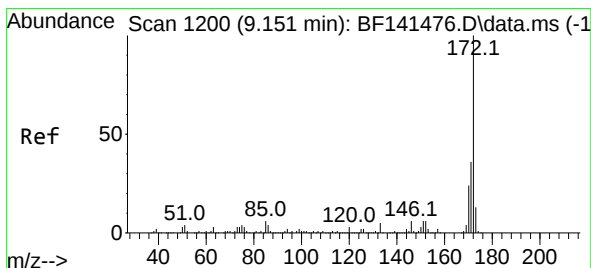
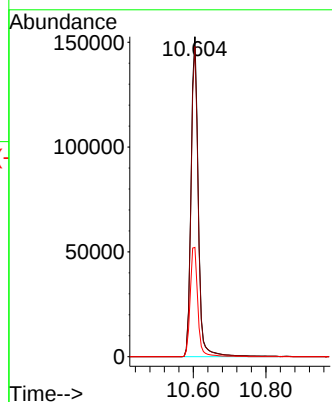
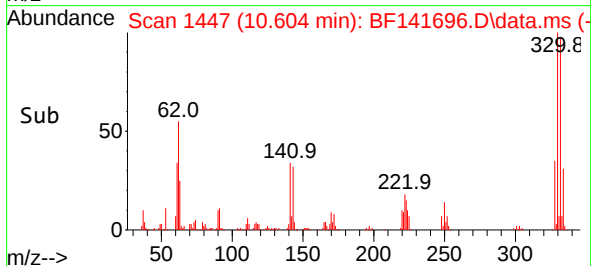


#42
2,4,6-Tribromophenol
Concen: 116.259 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

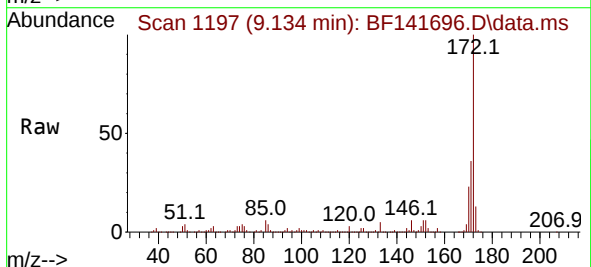
Instrument :
BNA_F
ClientSampleId :
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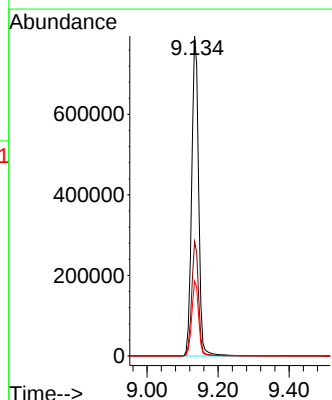
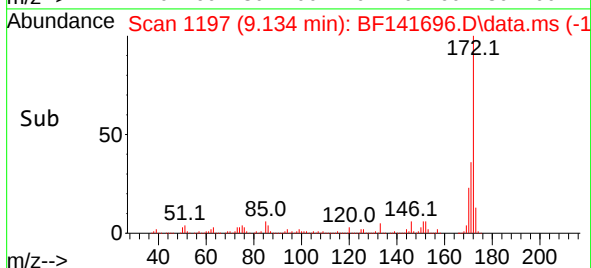
Tgt Ion:330 Resp: 212269
Ion Ratio Lower Upper
330 100
332 96.3 78.5 117.7
141 35.9 31.0 46.4

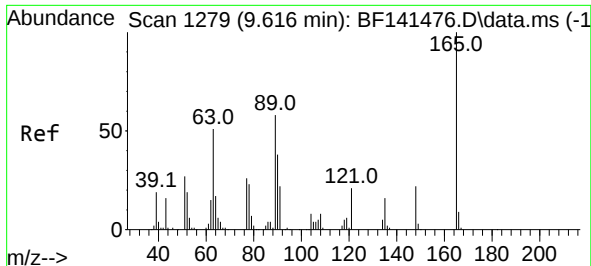


#45
2-Fluorobiphenyl
Concen: 91.043 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33



Tgt Ion:172 Resp: 1074076
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.4 18.9 28.3

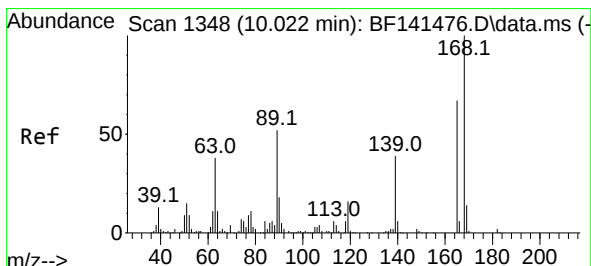
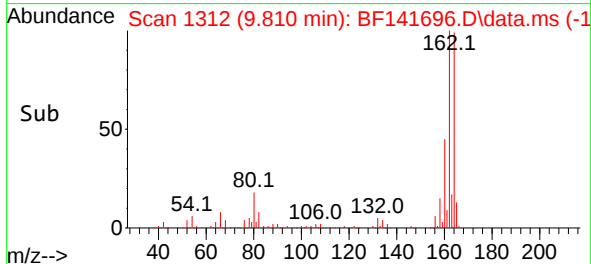
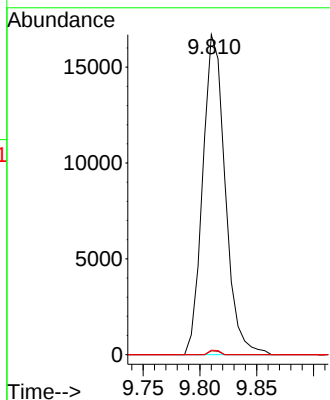
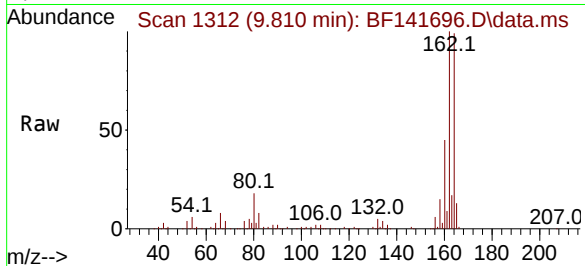




#51
2,6-Dinitrotoluene
Concen: 8.524 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

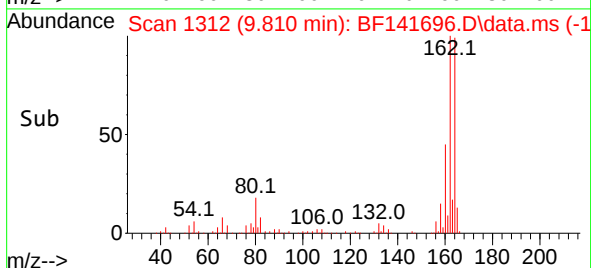
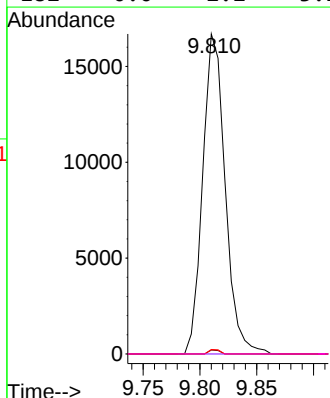
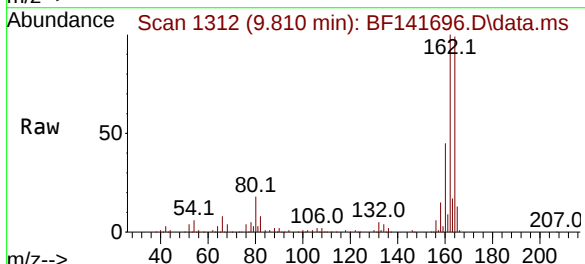
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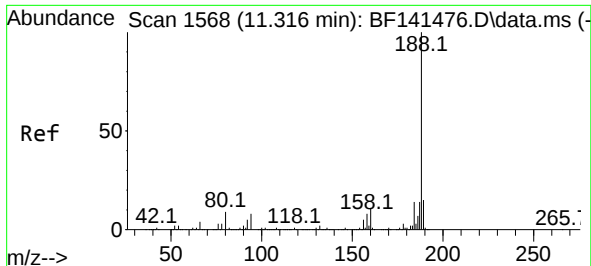
Tgt Ion:165 Resp: 22993
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.4 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.403 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

Tgt Ion:165 Resp: 22993
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#

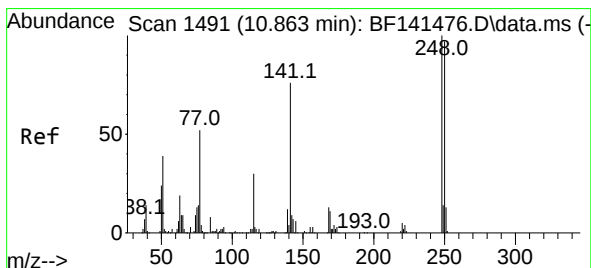
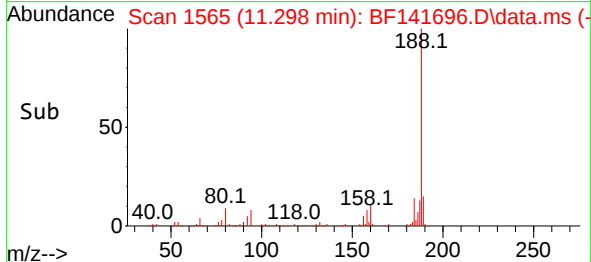
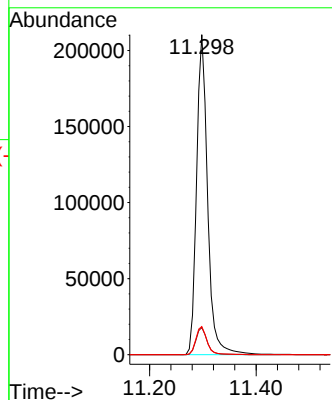
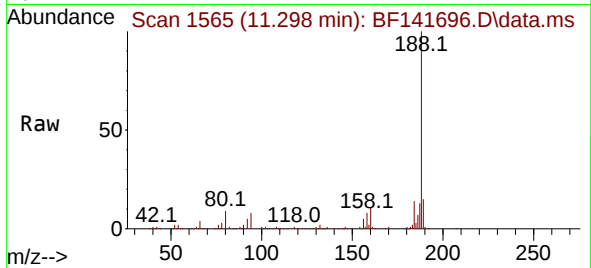




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

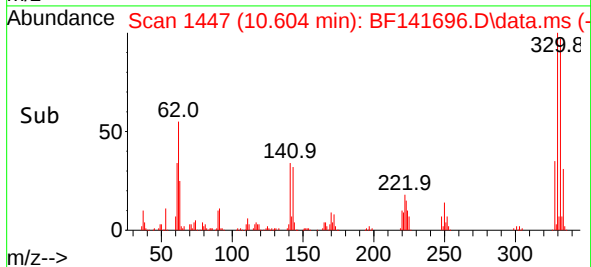
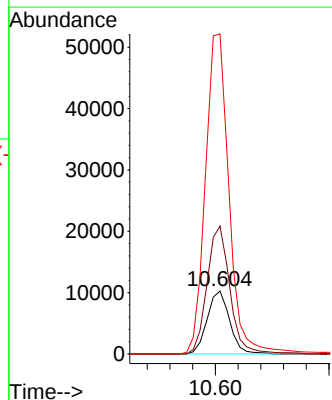
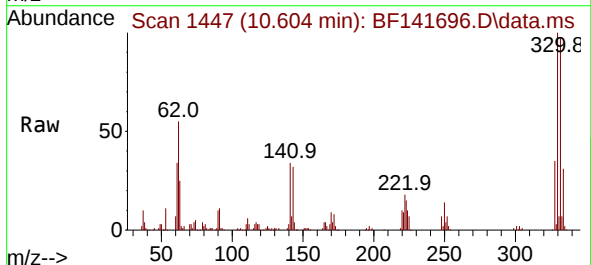
Instrument :
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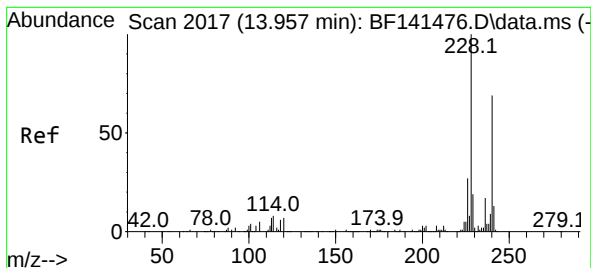
Tgt Ion:188 Resp: 302761
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.8 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 4.157 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.259 min
Lab File: BF141696.D
Acq: 20 Feb 2025 11:33

Tgt Ion:248 Resp: 14065
Ion Ratio Lower Upper
248 100
250 203.1 77.8 116.6#
141 508.5 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: BF141696.D

Acq: 20 Feb 2025 11:33

Instrument :

BNA_F

ClientSampleId :

PB166772BL

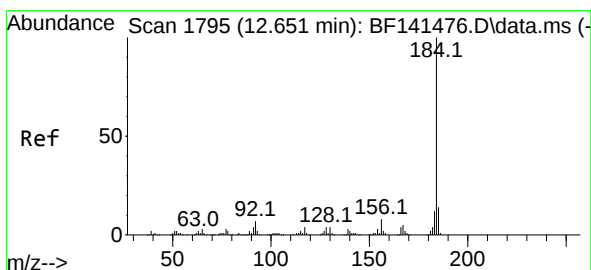
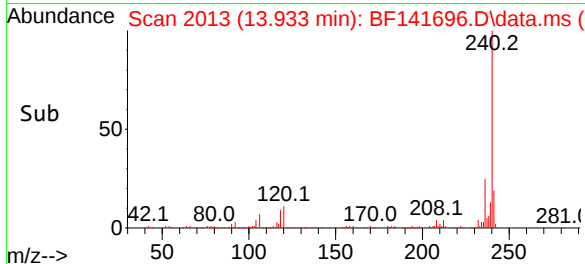
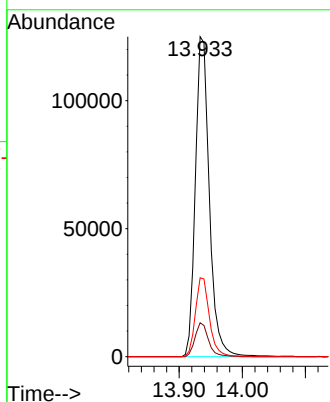
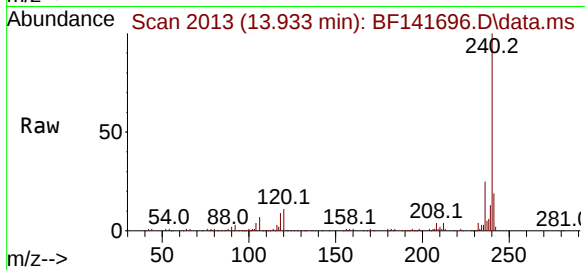
Tgt Ion:240 Resp: 192051

Ion Ratio Lower Upper

240 100

120 10.6 8.0 12.0

236 24.6 19.8 29.8



#77

Benzidine

Concen: 3.484 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141696.D

Acq: 20 Feb 2025 11:33

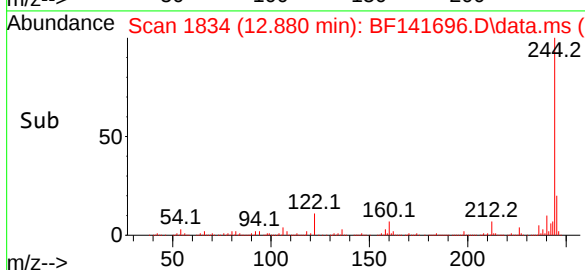
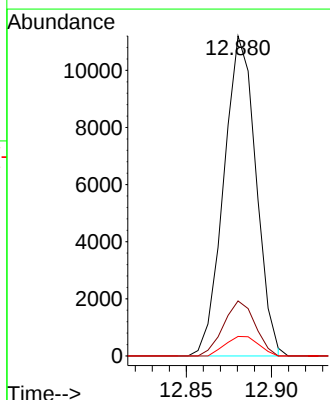
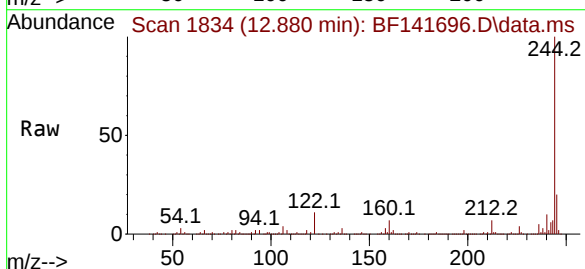
Tgt Ion:184 Resp: 14755

Ion Ratio Lower Upper

184 100

185 17.2 11.3 16.9#

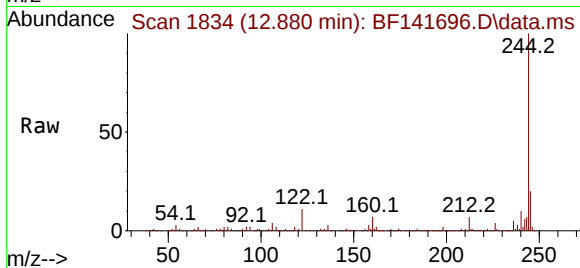
183 6.1 9.3 13.9#



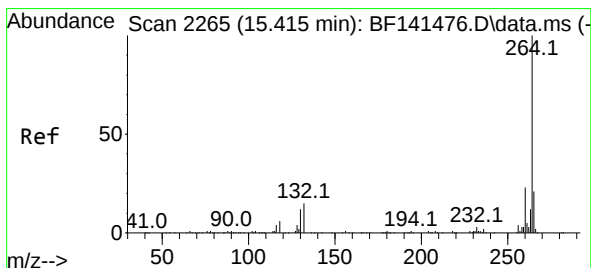
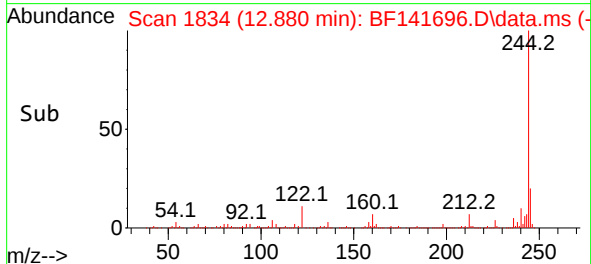
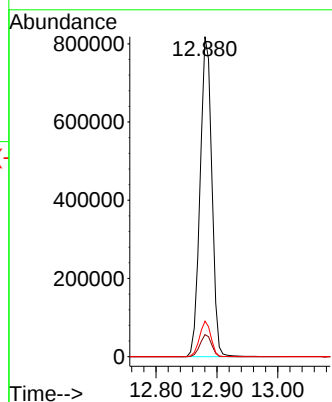


#79
 Terphenyl-d14
 Concen: 96.328 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141696.D
 Acq: 20 Feb 2025 11:33

Instrument :
 BNA_F
 ClientSampleId :
 PB166772BL



Tgt Ion:244 Resp: 1095849
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.1 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: BF141696.D
 Acq: 20 Feb 2025 11:33

Tgt Ion:264 Resp: 172118
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.6 28.0
 265 21.0 17.0 25.4

