

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142190.D
 Acq On : 31 Mar 2025 19:56
 Operator : RC/JU
 Sample : Q1664-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-007-01

Quant Time: Apr 01 00:47:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

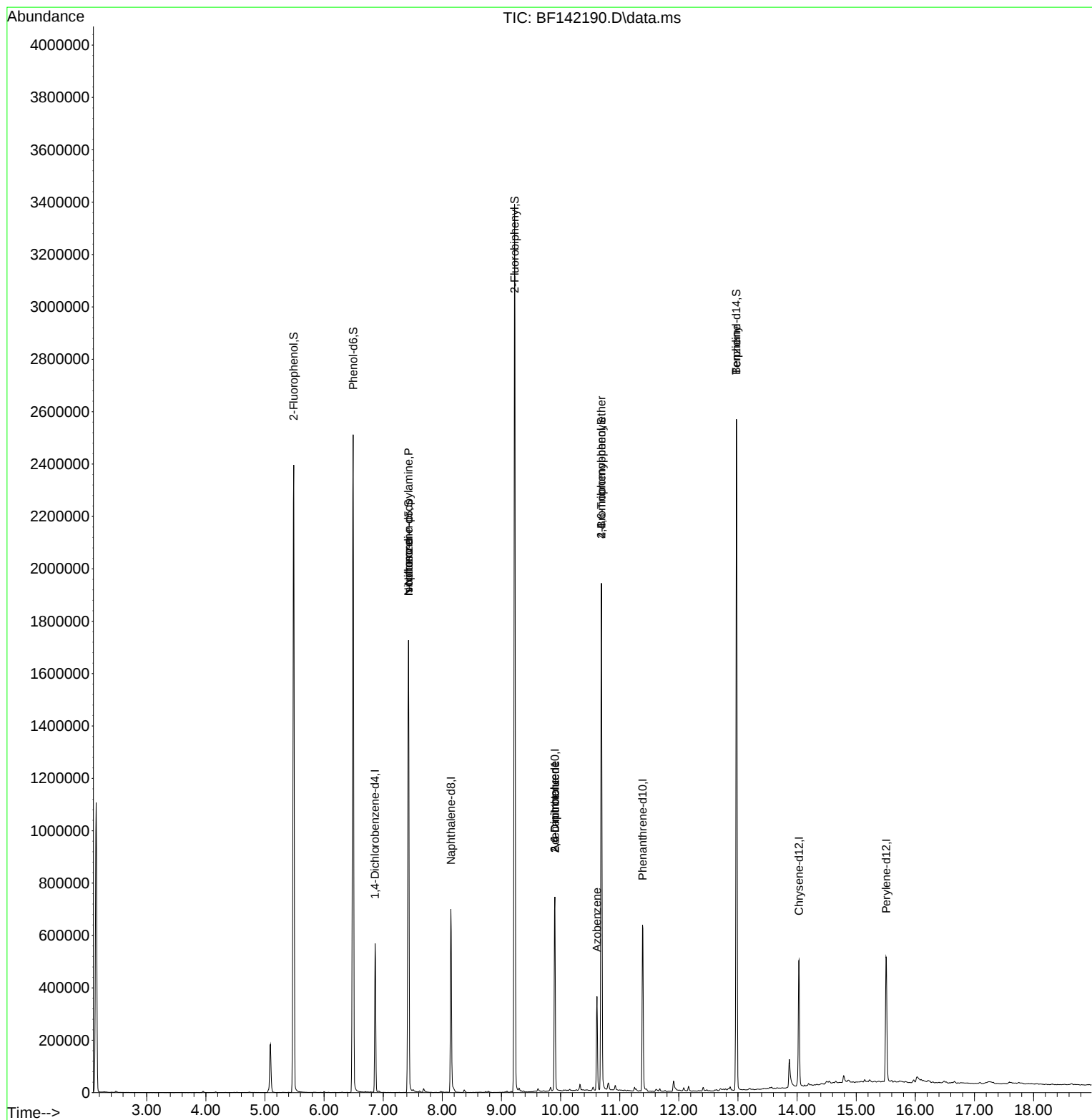
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	123407	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	471110	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	230557	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	358076	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	257348	20.000	ng	0.00
86) Perylene-d12	15.509	264	307223	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	988528	133.689	ng	0.00
7) Phenol-d6	6.492	99	1320144	140.224	ng	-0.01
23) Nitrobenzene-d5	7.428	82	820177	97.973	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	376057	128.570	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1511974	99.734	ng	-0.02
79) Terphenyl-d14	12.974	244	1268490	72.874	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	112483	18.594	ng	# 76
25) Isophorone	7.428	82	812072	54.878	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	30496	9.072	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	30497	6.946	ng	# 24
63) Azobenzene	10.616	77	91217	6.094	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	22132	4.921	ng	# 1
77) Benzidine	12.974	184	17518	4.879	ng	# 94

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

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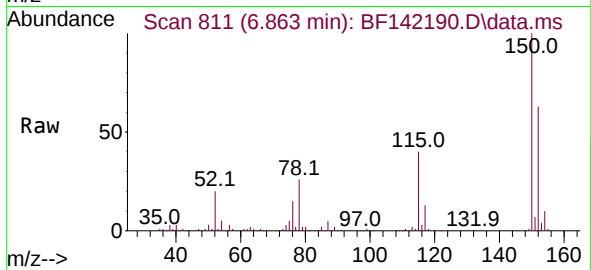
Quant Time: Apr 01 00:47:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



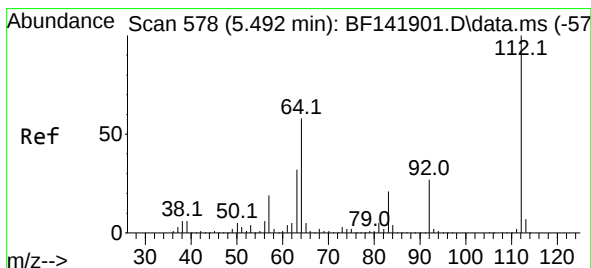
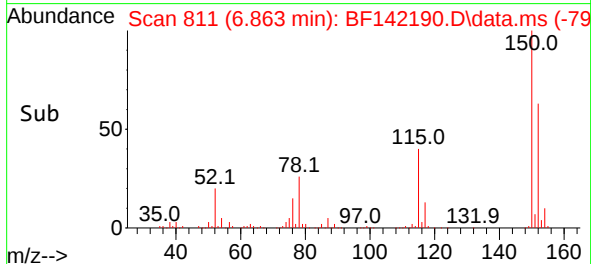
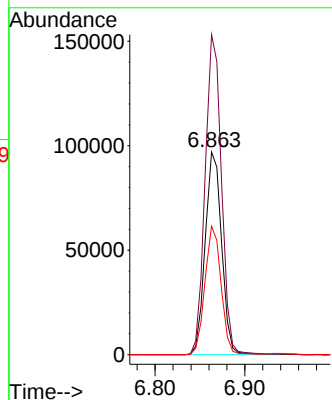


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

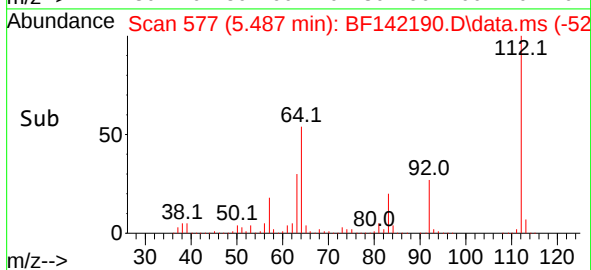
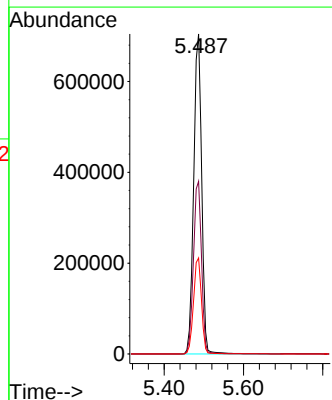
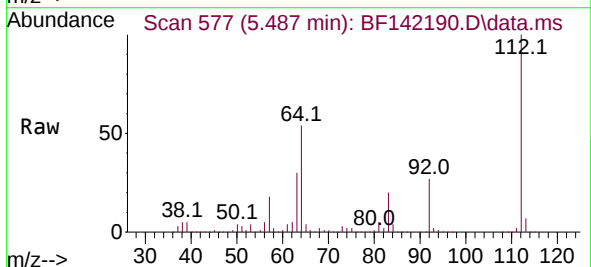


Tgt Ion:152 Resp: 123407
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.2
115 63.5 51.9 77.9



#5
2-Fluorophenol
Concen: 133.689 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:112 Resp: 988528
Ion Ratio Lower Upper
112 100
64 54.0 46.5 69.7
63 30.0 25.4 38.2

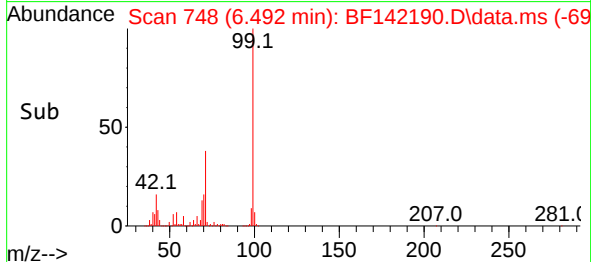
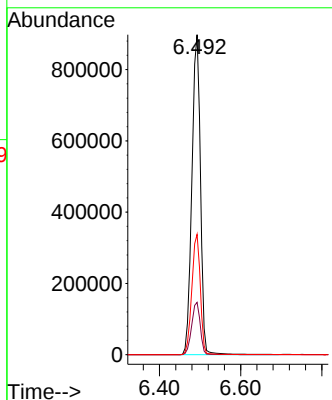
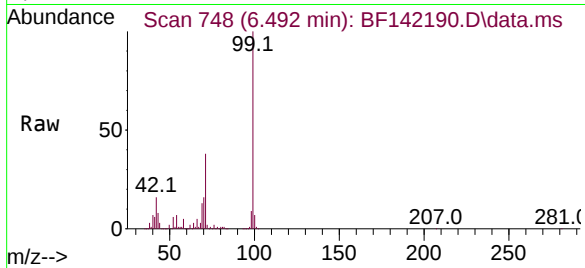




#7
Phenol-d6
Concen: 140.224 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

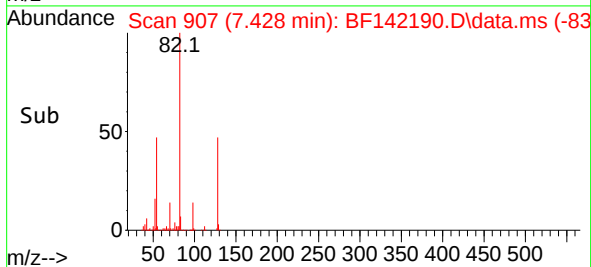
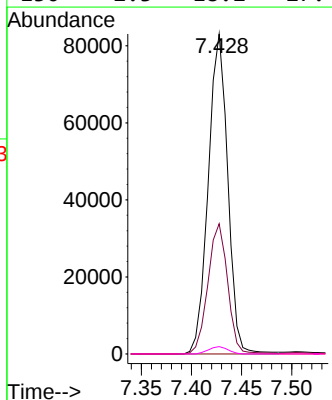
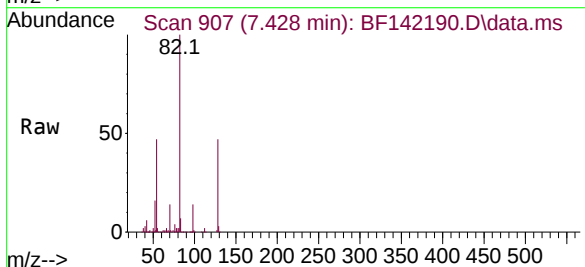
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Tgt Ion: 99 Resp: 1320144
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 37.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.594 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion: 70 Resp: 112483
Ion Ratio Lower Upper
70 100
42 40.7 41.4 62.0#
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#

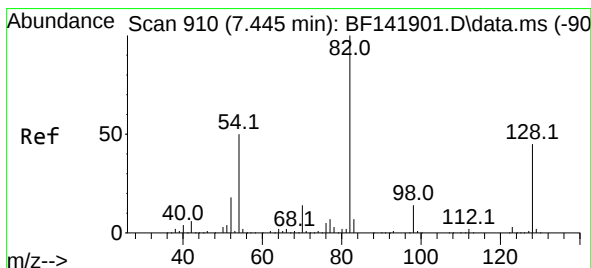
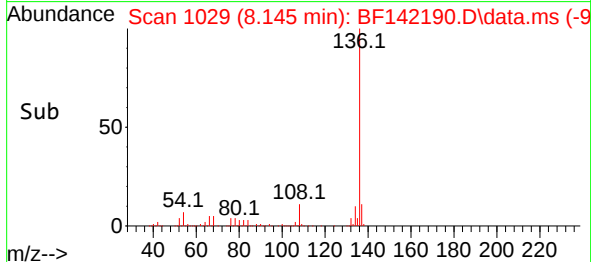
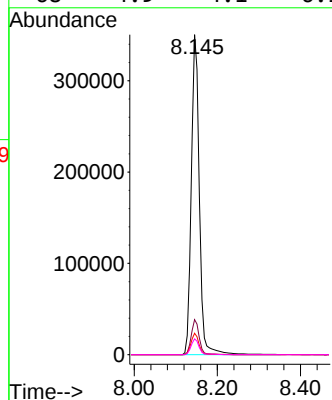
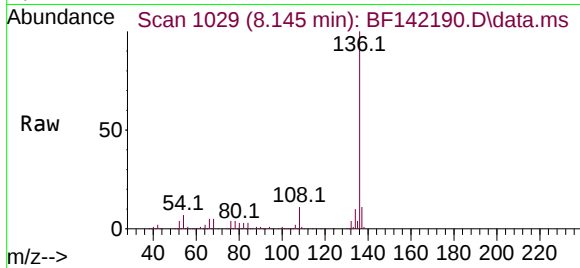




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

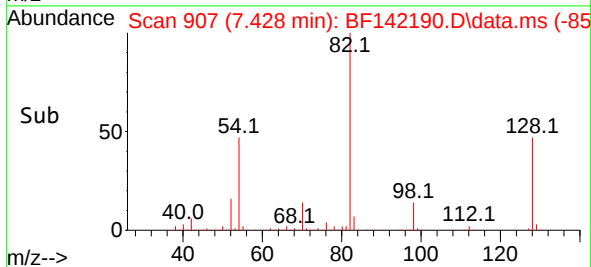
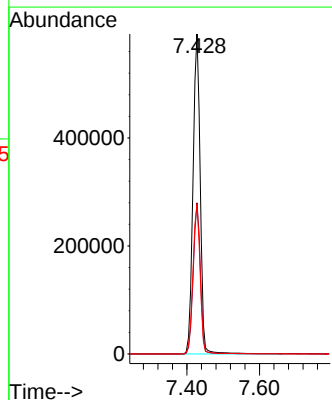
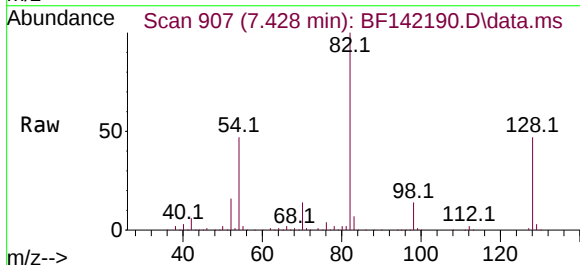
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Tgt Ion:136 Resp: 471110
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.8 8.8
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 97.973 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion: 82 Resp: 820177
Ion Ratio Lower Upper
82 100
128 47.3 36.0 54.0
54 46.7 39.6 59.4

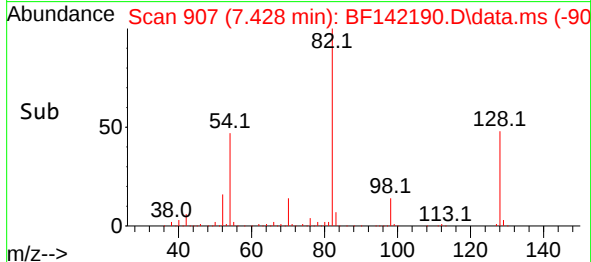
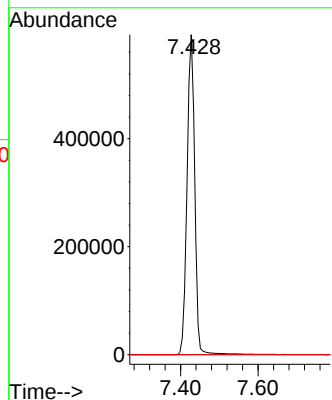
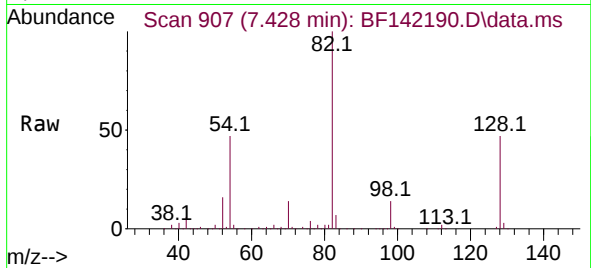




#25
Isophorone
Concen: 54.878 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

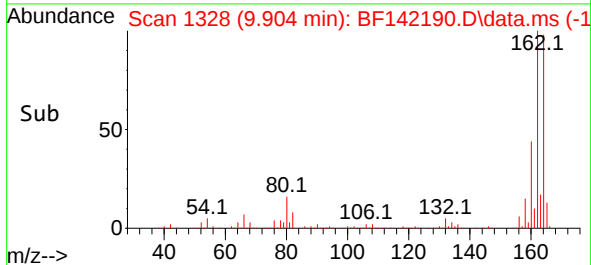
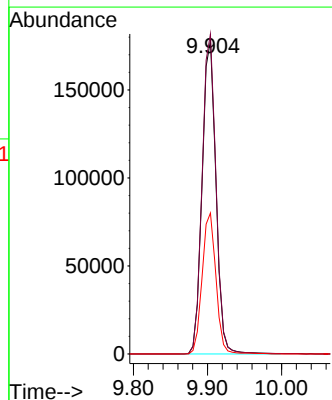
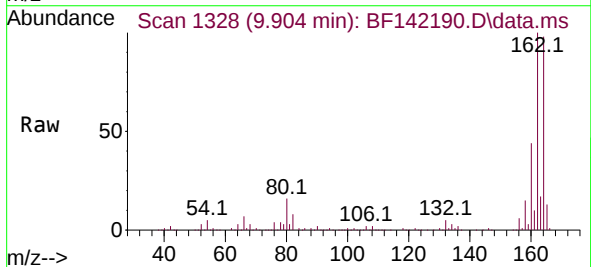
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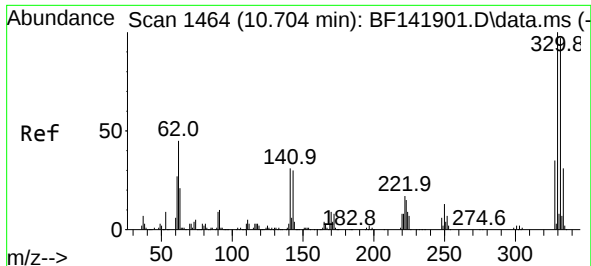
Tgt Ion: 82 Resp: 812072
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:164 Resp: 230557
Ion Ratio Lower Upper
164 100
162 102.1 81.8 122.6
160 45.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 128.570 ng

RT: 10.692 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF142190.D

Acq: 31 Mar 2025 19:56

Instrument :

BNA_F

ClientSampleId :

P001-BBDGA-007-01

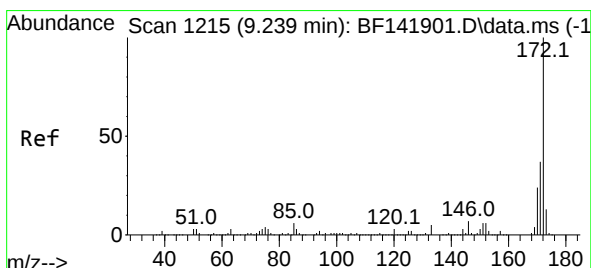
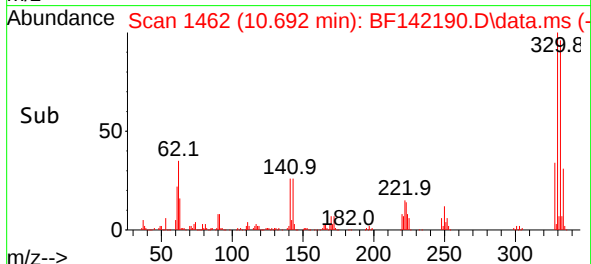
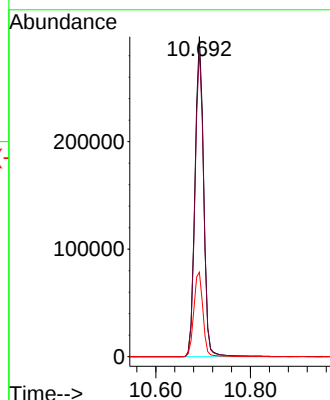
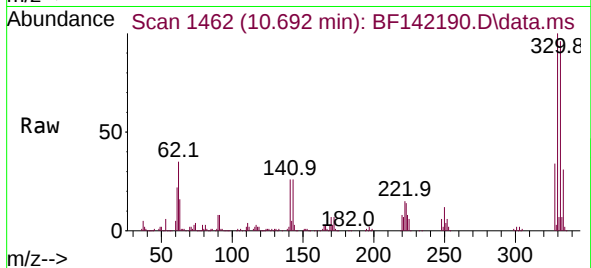
Tgt Ion:330 Resp: 376057

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 27.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 99.734 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142190.D

Acq: 31 Mar 2025 19:56

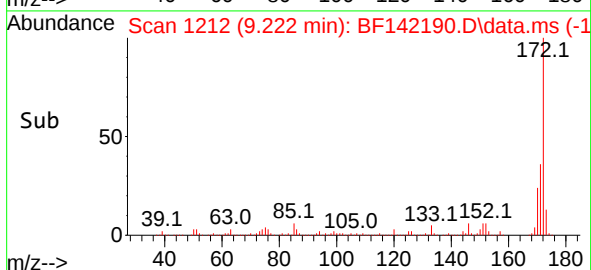
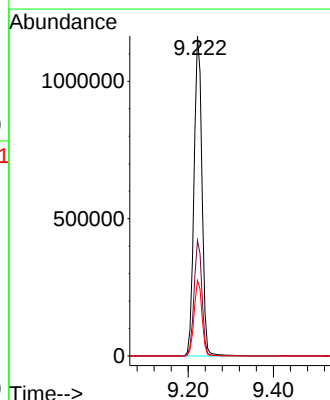
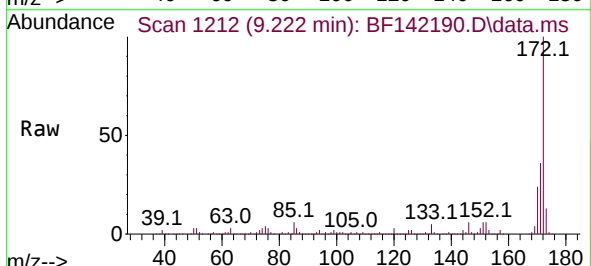
Tgt Ion:172 Resp: 1511974

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.6 19.4 29.0

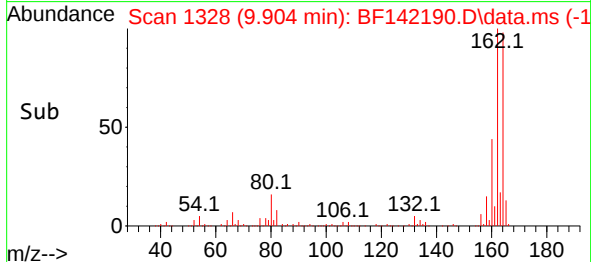
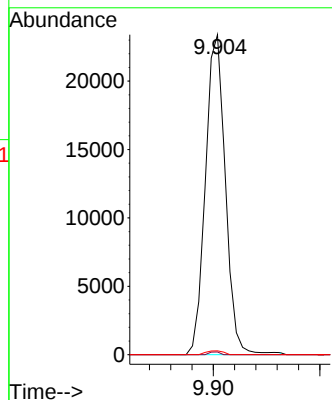
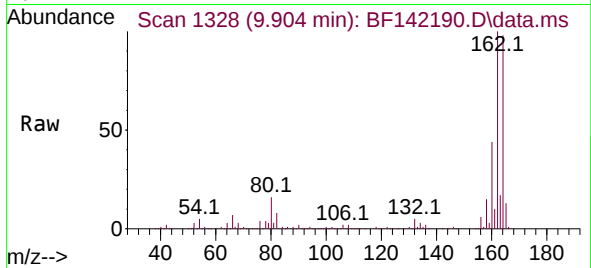




#51
2,6-Dinitrotoluene
Concen: 9.072 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

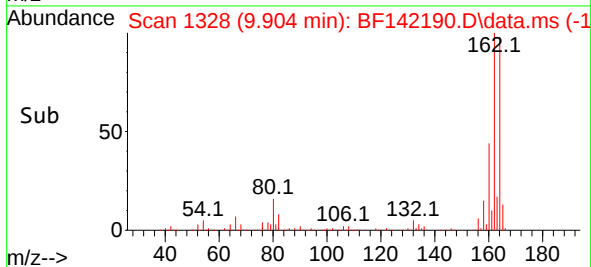
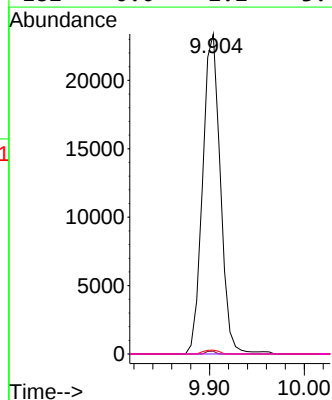
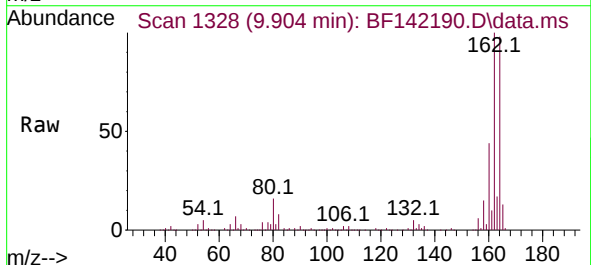
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P001-BBDGA-007-01

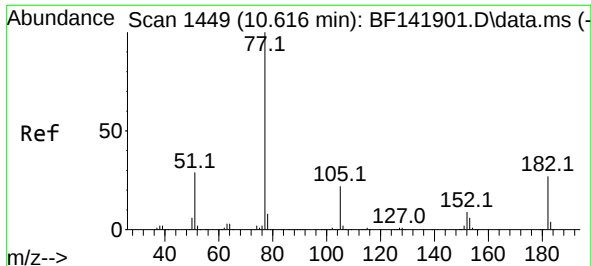
Tgt Ion:165 Resp: 30496
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.946 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:165 Resp: 30497
Ion Ratio Lower Upper
165 100
63 0.8 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

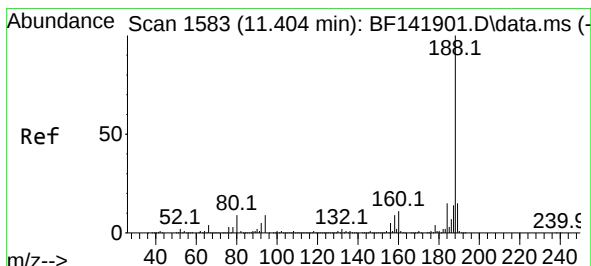
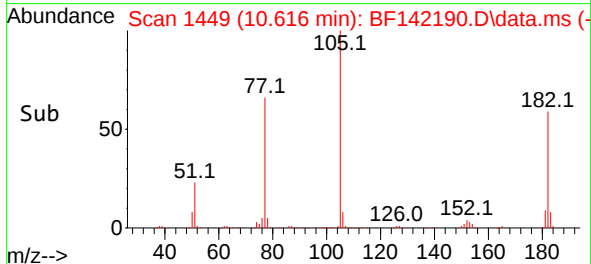
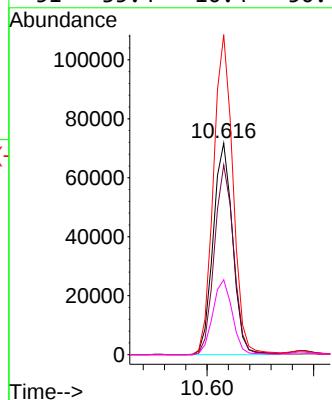
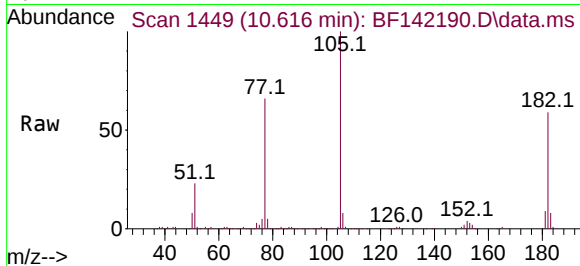




#63
Azobenzene
Concen: 6.094 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

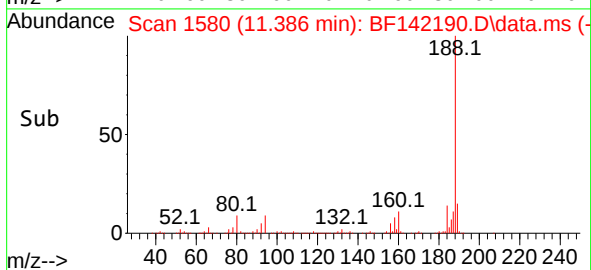
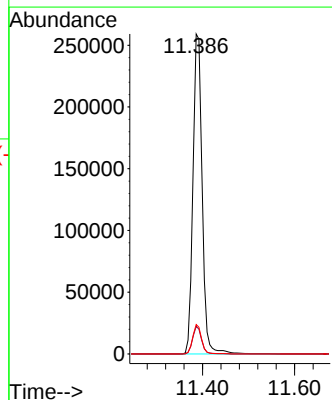
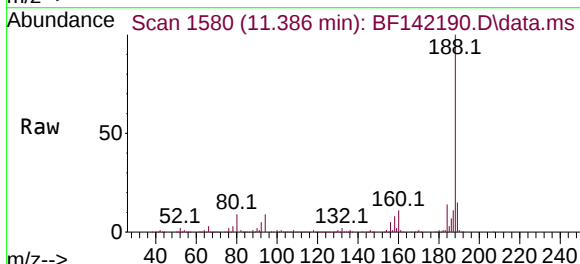
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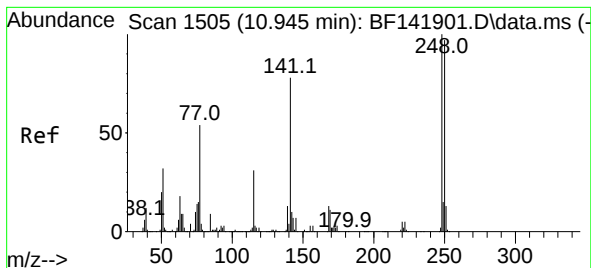
Tgt Ion: 77	Resp: 91217
Ion Ratio	Lower Upper
77 100	
182 89.7	6.6 46.6#
105 151.3	1.3 41.3#
51 35.4	10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion: 188	Resp: 358076
Ion Ratio	Lower Upper
188 100	
94 8.6	6.8 10.2
80 9.2	7.6 11.4

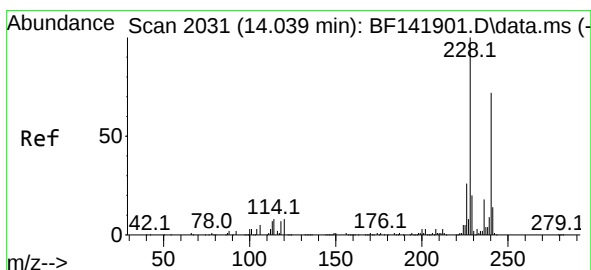
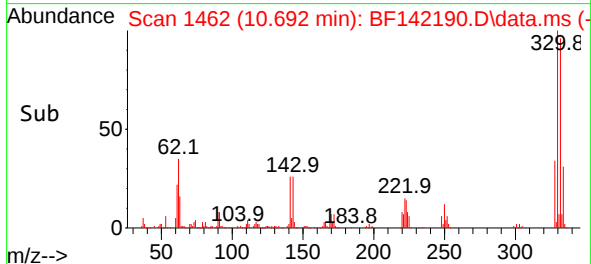
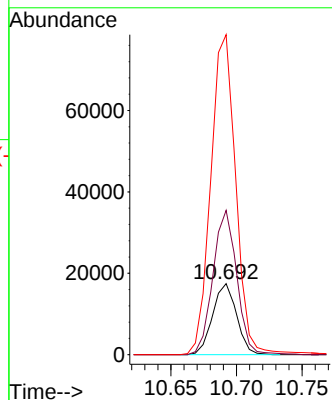
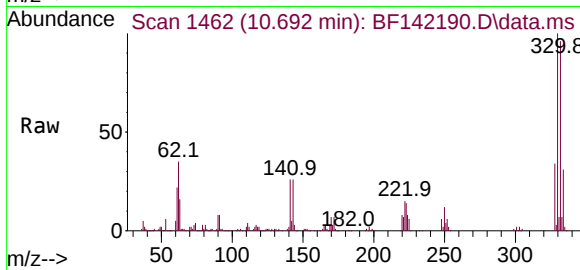




#67
4-Bromophenyl-phenylether
Concen: 4.921 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

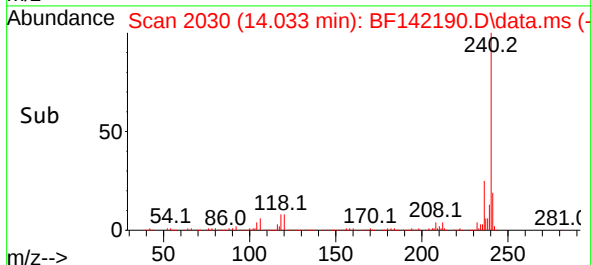
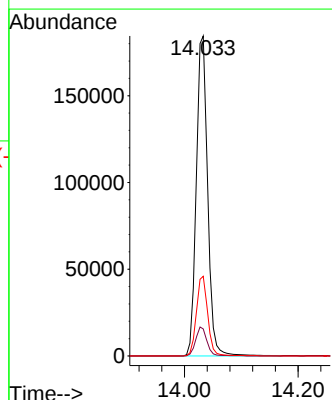
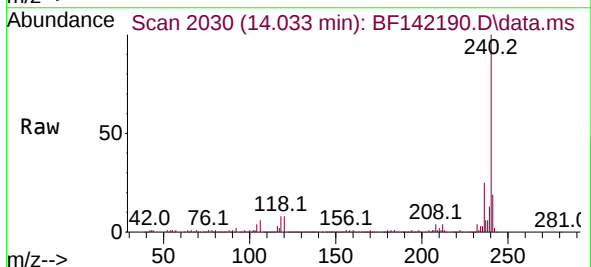
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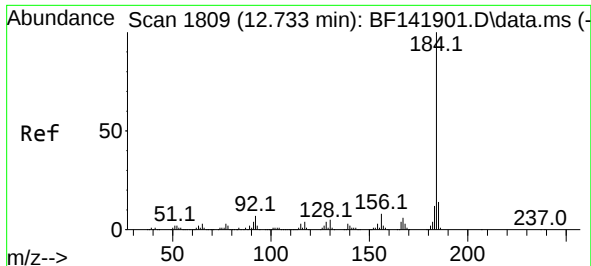
Tgt Ion:248 Resp: 22132
Ion Ratio Lower Upper
248 100
250 203.4 77.8 116.8#
141 450.8 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:240 Resp: 257348
Ion Ratio Lower Upper
240 100
120 8.5 8.4 12.6
236 24.9 20.5 30.7

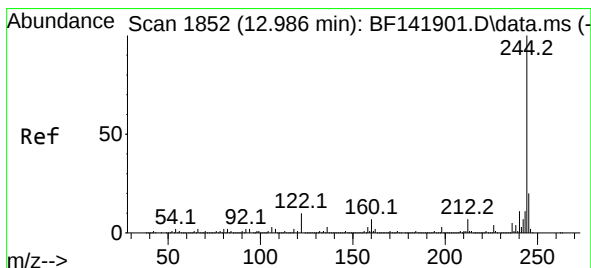
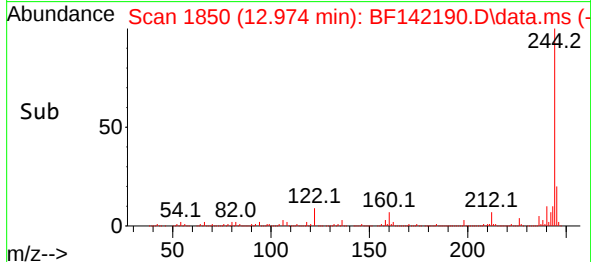
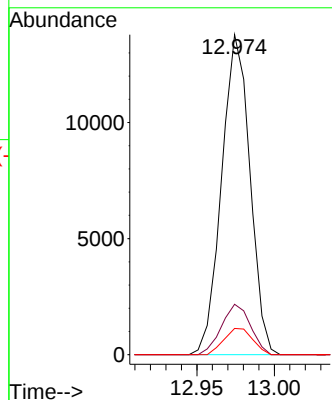
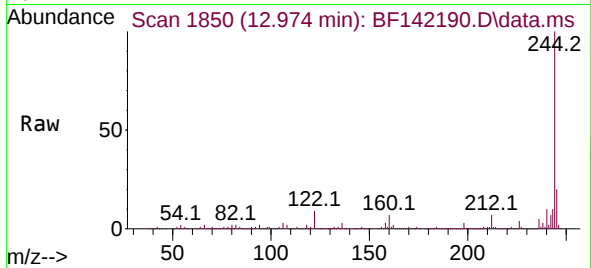




#77
Benzidine
Concen: 4.879 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

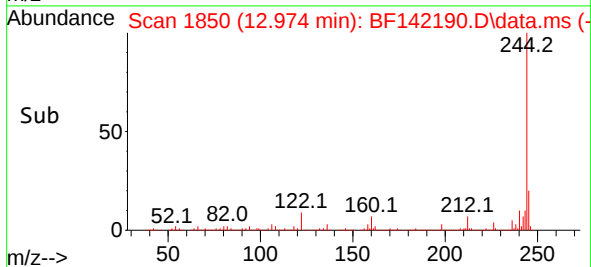
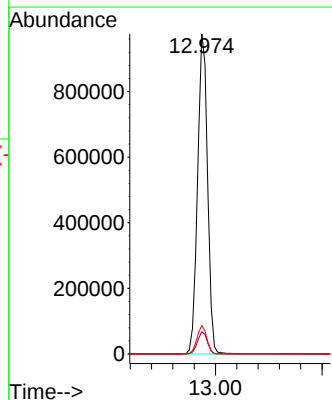
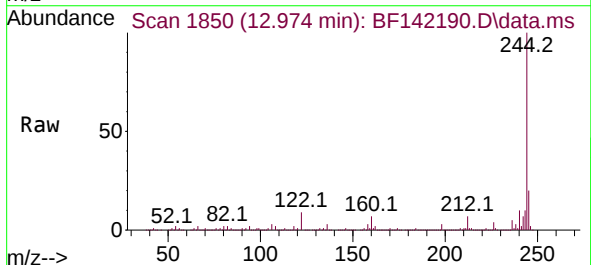
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

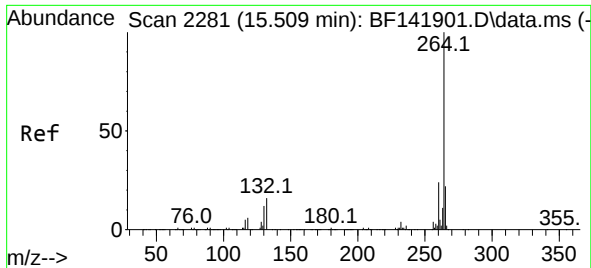
Tgt Ion:184 Resp: 17518
Ion Ratio Lower Upper
184 100
185 15.8 11.5 17.3
183 8.2 9.7 14.5#



#79
Terphenyl-d14
Concen: 72.874 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

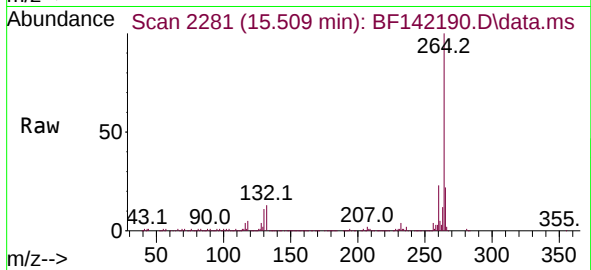
Tgt Ion:244 Resp: 1268490
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 8.9 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142190.D
 Acq: 31 Mar 2025 19:56

Instrument :
 BNA_F
 ClientSampleId :
 P001-BBDGA-007-01



Tgt Ion:264 Resp: 307223
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.5 17.5 26.3

