

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141919.D
 Acq On : 11 Mar 2025 16:42
 Operator : RC/JU
 Sample : Q1534-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-16

Quant Time: Mar 11 17:09:51 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)

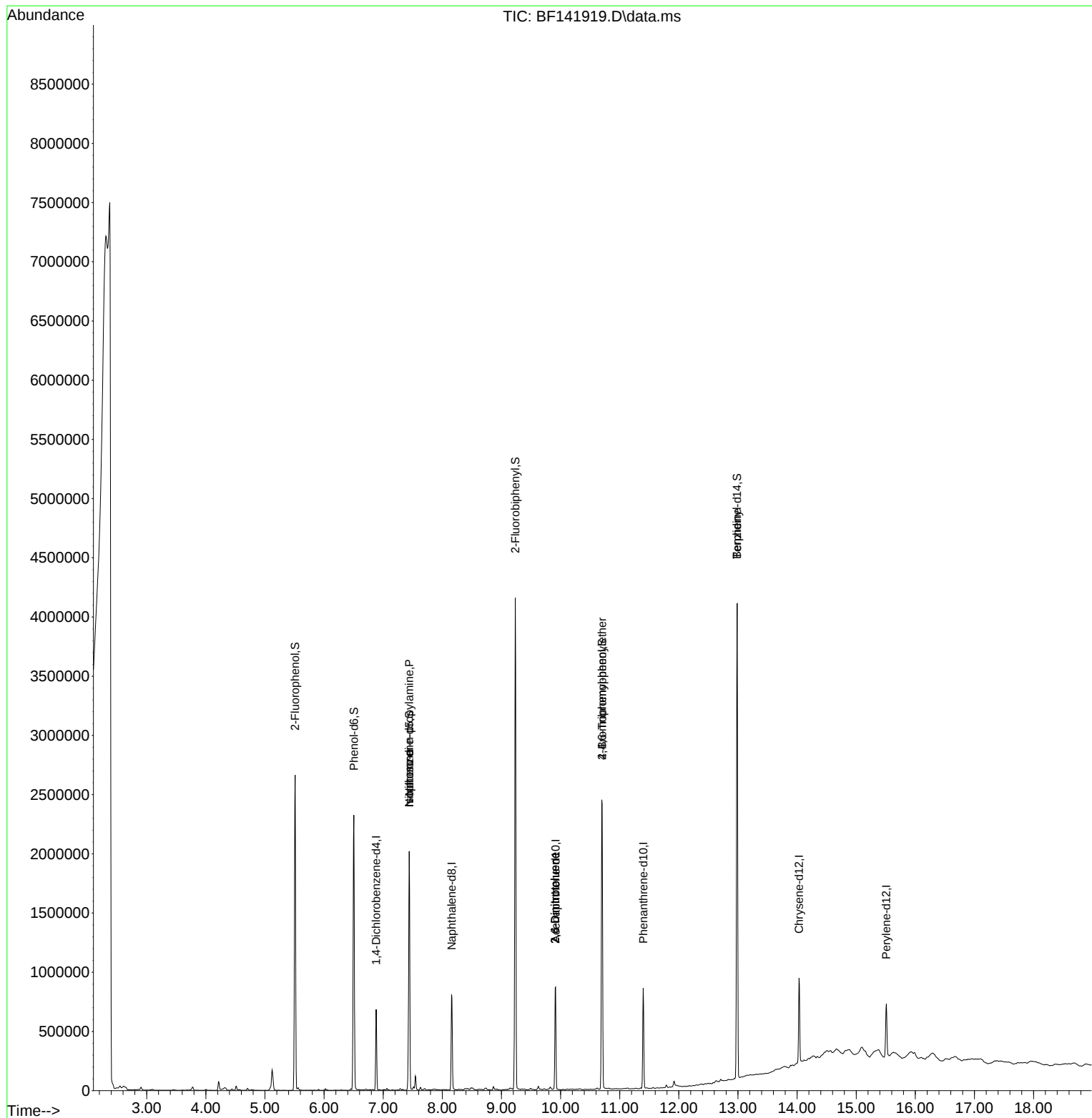
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	138866	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	522474	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	265944	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	415438	20.000	ng	0.00
76) Chrysene-d12	14.033	240	350518	20.000	ng	0.00
86) Perylene-d12	15.509	264	272418	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1041699	125.196	ng	0.02
7) Phenol-d6	6.504	99	1136739	107.302	ng	0.00
23) Nitrobenzene-d5	7.439	82	916197	98.684	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	459028	136.055	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1821921	104.187	ng	0.00
79) Terphenyl-d14	12.986	244	1987372	83.826	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	128979	18.948	ng	# 78
25) Isophorone	7.439	82	907431	55.293	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	33803	8.718	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	33803	6.675	ng	# 24
67) 4-Bromophenyl-phenylether	10.704	248	29750	5.702	ng	# 1
77) Benzidine	12.986	184	28255	5.778	ng	# 91

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

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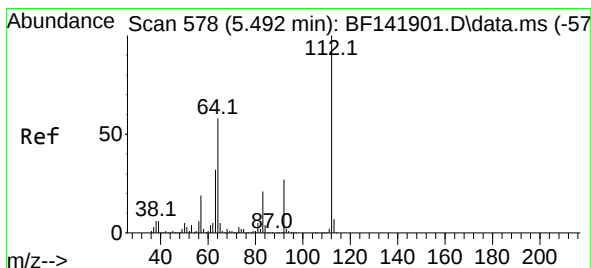
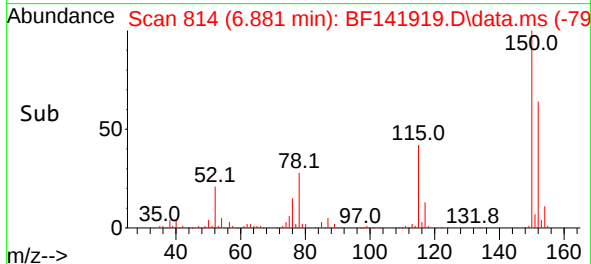
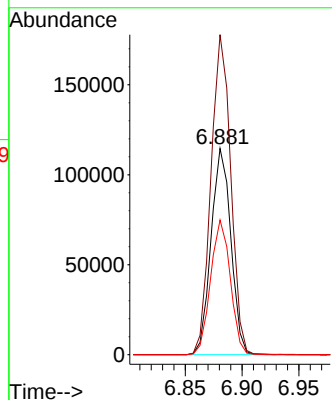
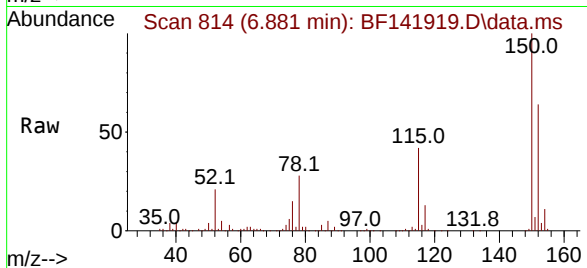




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

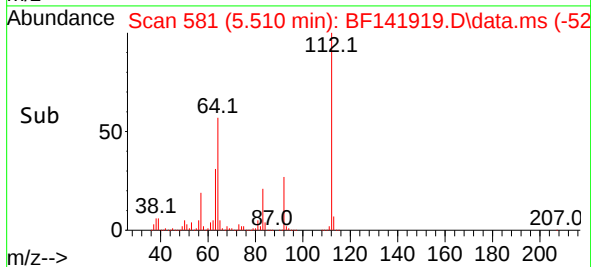
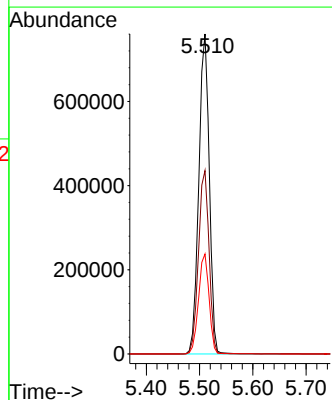
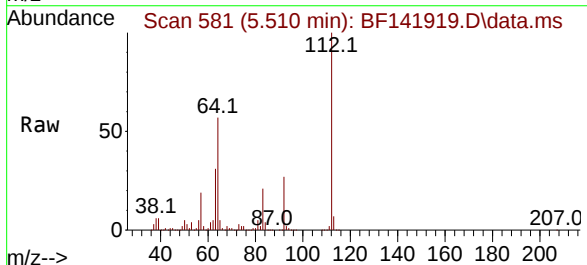
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16

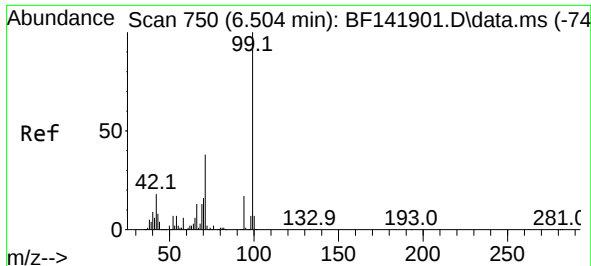
Tgt Ion:152 Resp: 138866
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.2
115 65.4 51.9 77.9



#5
2-Fluorophenol
Concen: 125.196 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

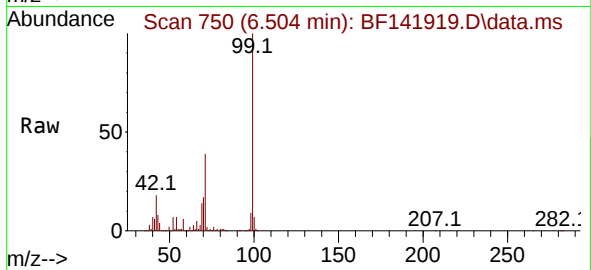
Tgt Ion:112 Resp: 1041699
Ion Ratio Lower Upper
112 100
64 57.3 46.5 69.7
63 31.2 25.4 38.2



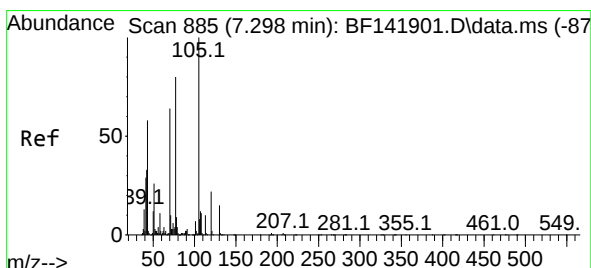
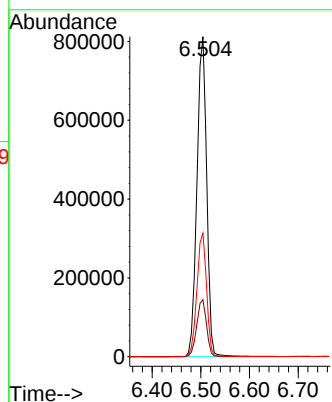
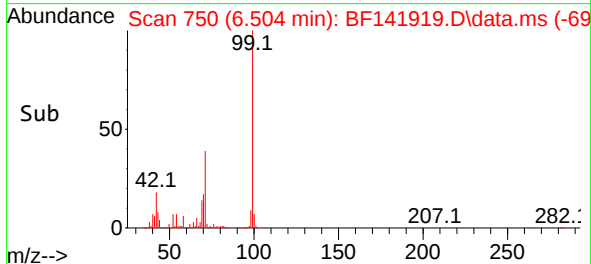


#7
Phenol-d6
Concen: 107.302 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

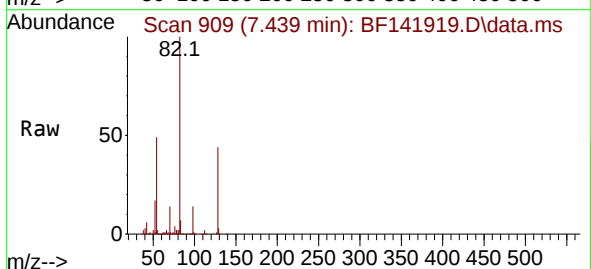
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



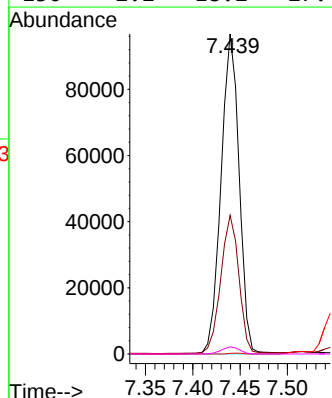
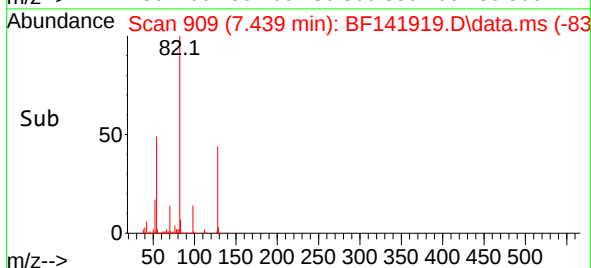
Tgt Ion: 99 Resp: 1136739
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.948 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42



Tgt Ion: 70 Resp: 128979
Ion Ratio Lower Upper
70 100
42 43.3 41.4 62.0
101 0.2 8.2 12.2#
130 2.2 18.2 27.4#

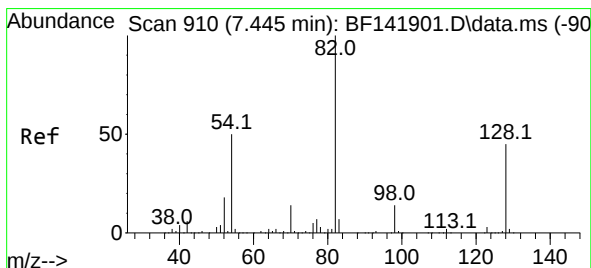
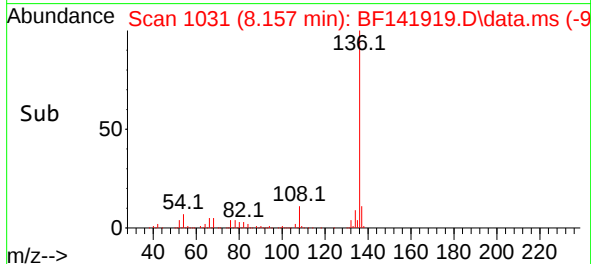
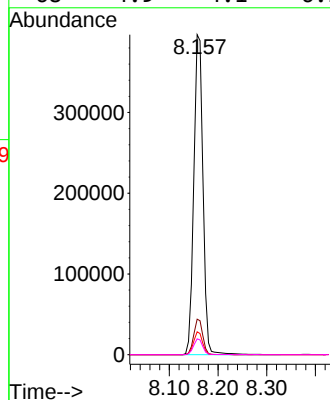
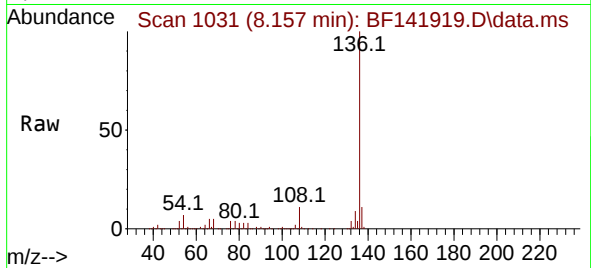




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

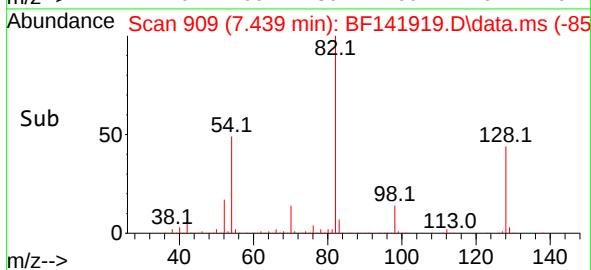
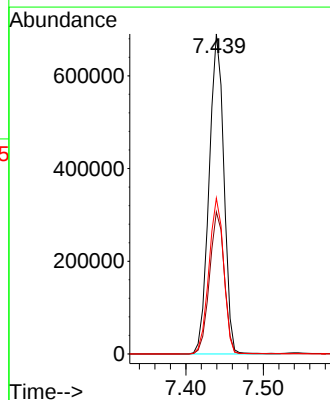
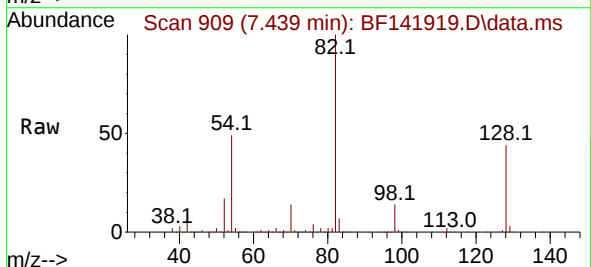
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16

Tgt Ion:136 Resp: 522474
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.1 5.8 8.8
68 4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 98.684 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

Tgt Ion: 82 Resp: 916197
Ion Ratio Lower Upper
82 100
128 44.4 36.0 54.0
54 48.7 39.6 59.4

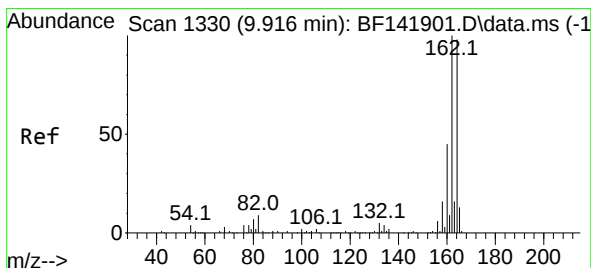
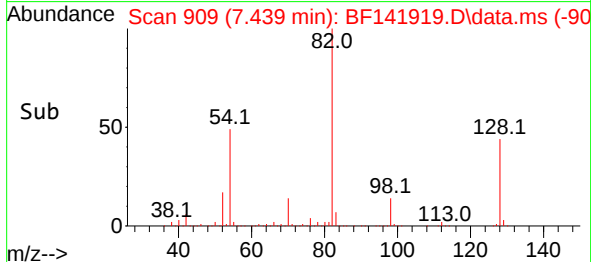
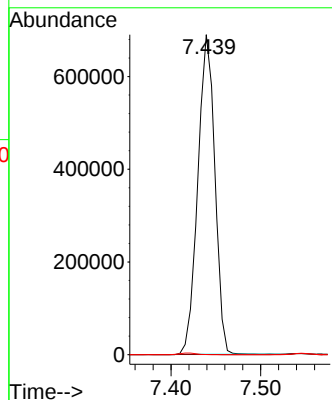
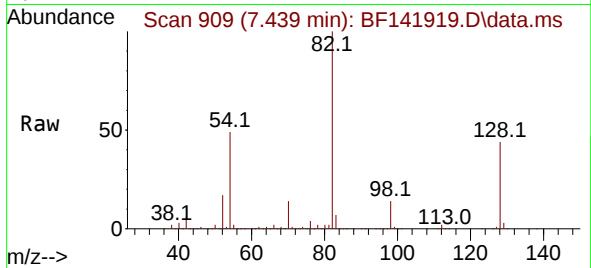




#25
Isophorone
Concen: 55.293 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

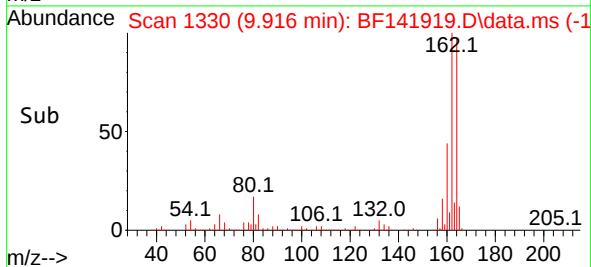
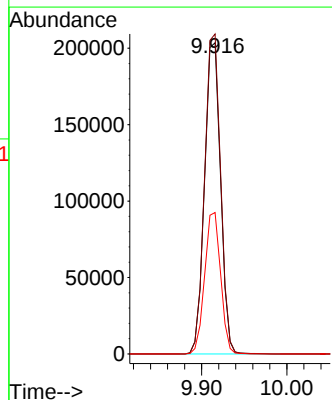
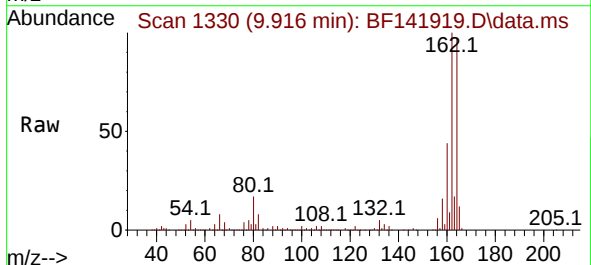
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16

Tgt Ion: 82 Resp: 907431
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: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141919.D
Acq: 11 Mar 2025 16:42

Tgt Ion:164 Resp: 265944
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 136.055 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF141919.D

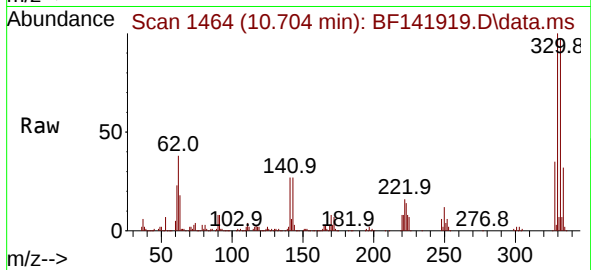
Acq: 11 Mar 2025 16:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-16



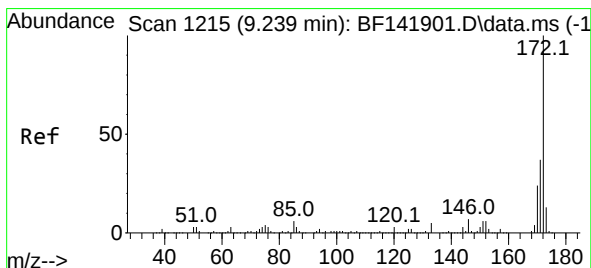
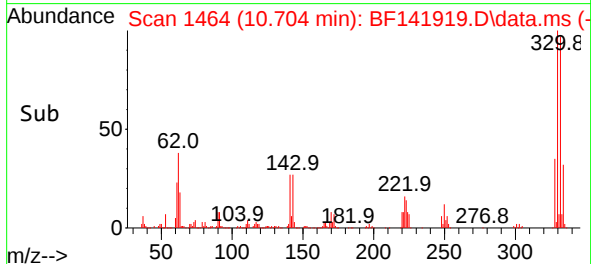
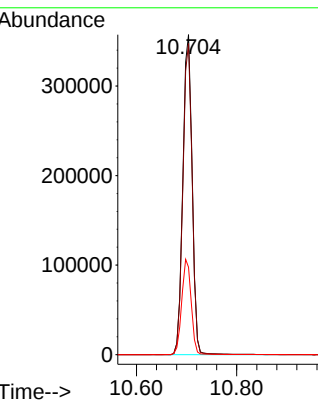
Tgt Ion:330 Resp: 459028

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 30.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 104.187 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

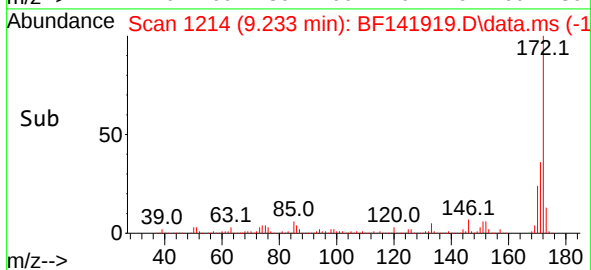
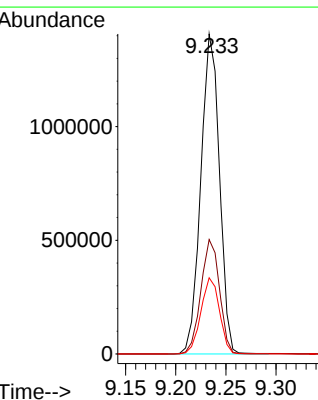
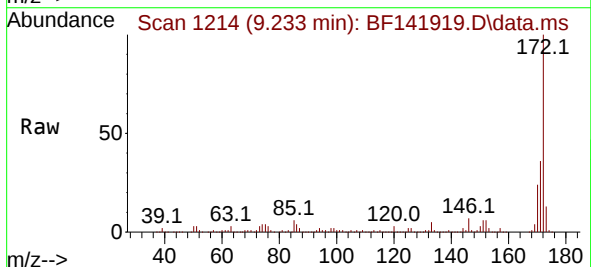
Tgt Ion:172 Resp: 1821921

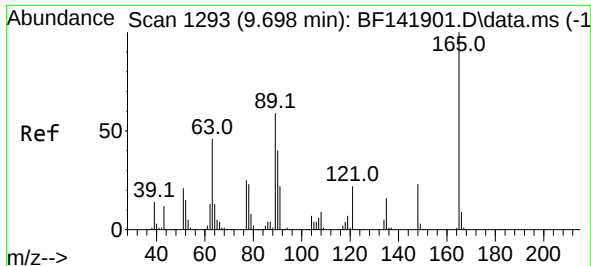
Ion Ratio Lower Upper

172 100

171 35.8 29.3 43.9

170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.718 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-16

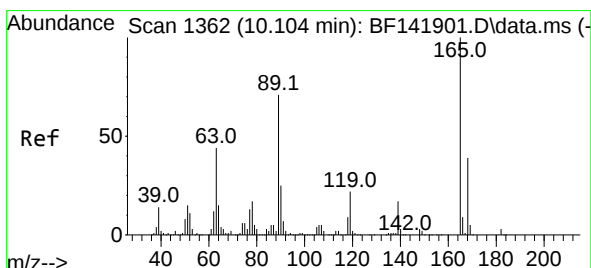
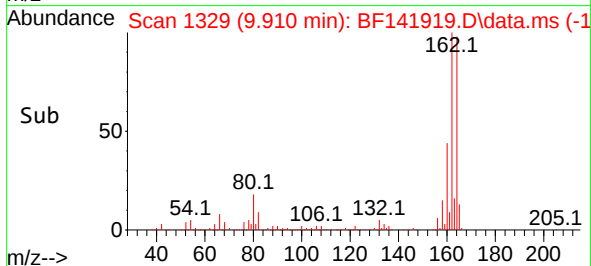
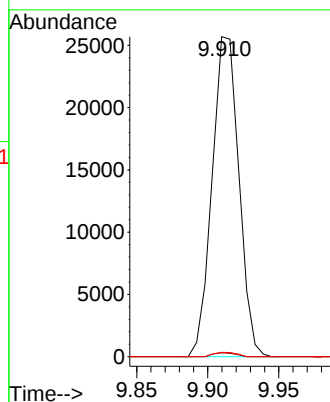
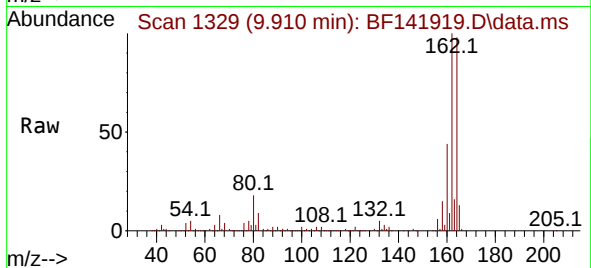
Tgt Ion:165 Resp: 33803

Ion Ratio Lower Upper

165 100

63 1.2 47.0 70.4#

89 1.4 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.675 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

Tgt Ion:165 Resp: 33803

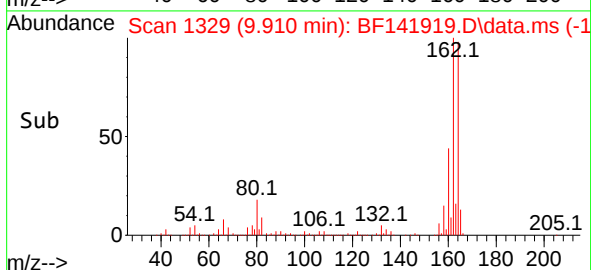
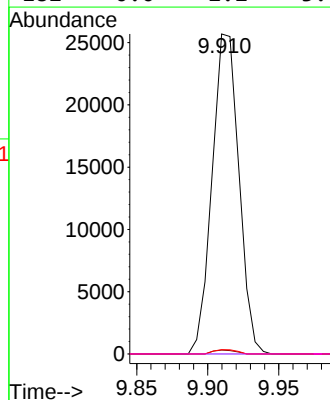
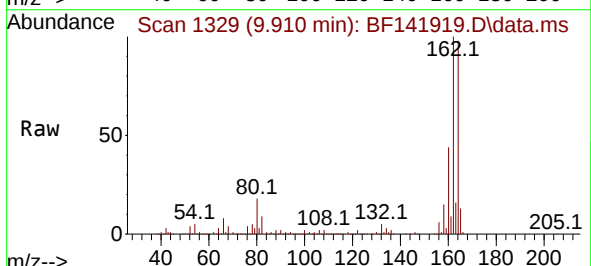
Ion Ratio Lower Upper

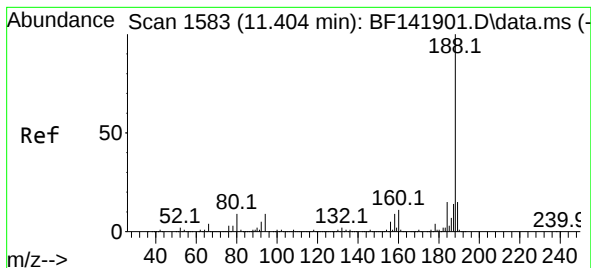
165 100

63 1.2 35.4 53.2#

89 1.4 56.6 84.8#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-16

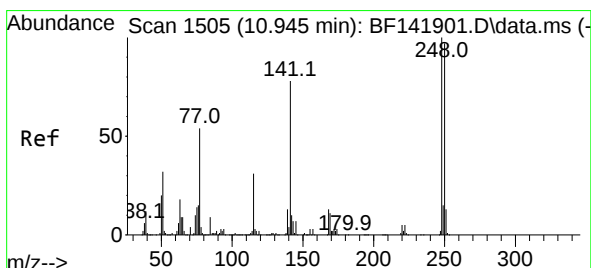
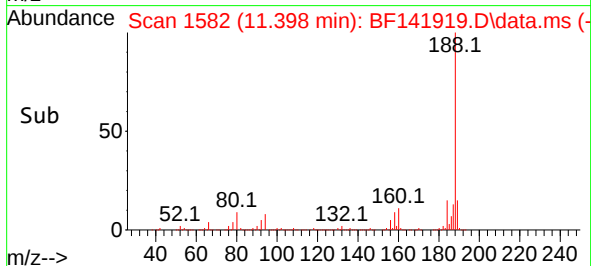
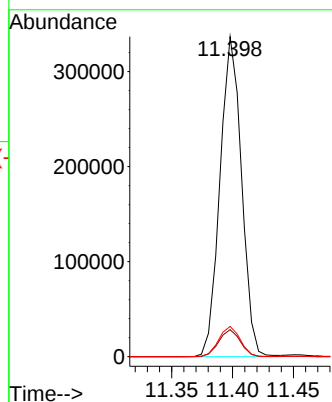
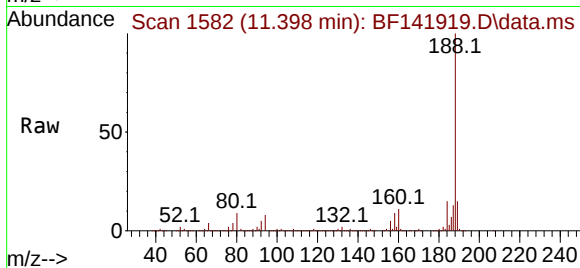
Tgt Ion:188 Resp: 415438

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.5 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.702 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

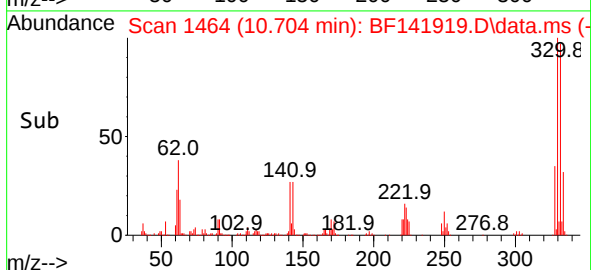
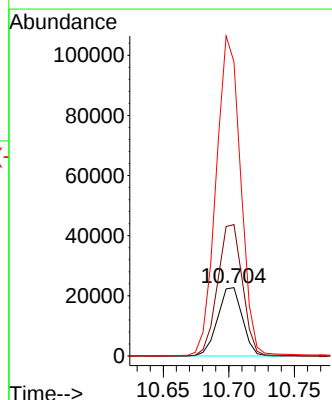
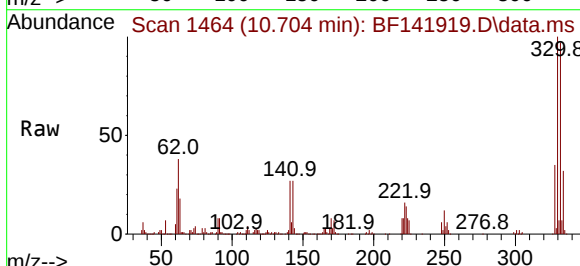
Tgt Ion:248 Resp: 29750

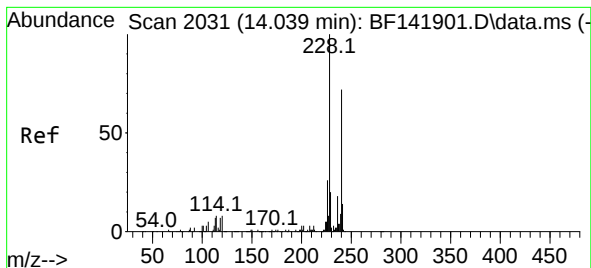
Ion Ratio Lower Upper

248 100

250 192.2 77.8 116.8#

141 430.5 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-16

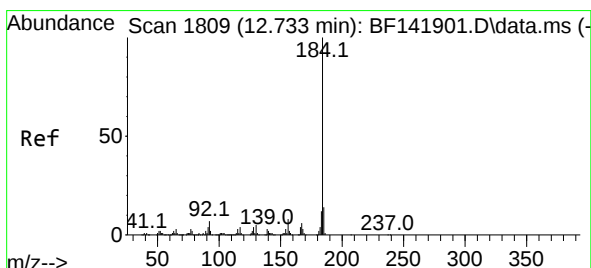
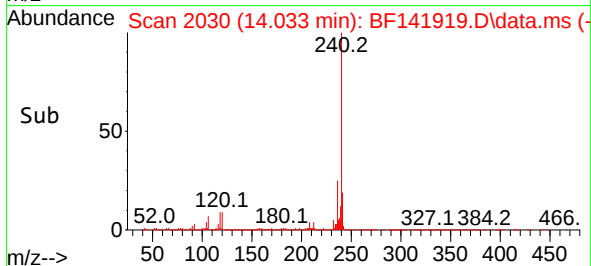
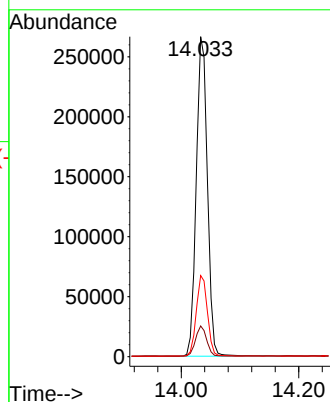
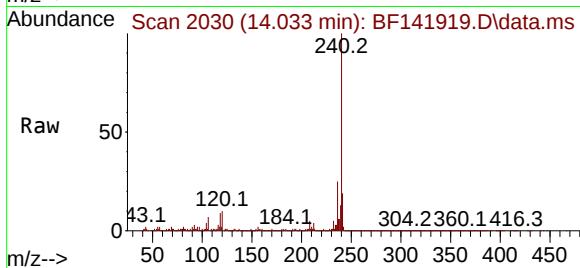
Tgt Ion:240 Resp: 350518

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 25.4 20.5 30.7



#77

Benzidine

Concen: 5.778 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

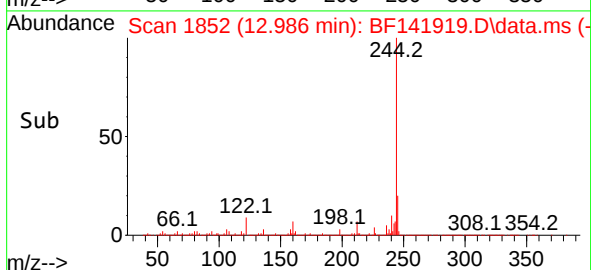
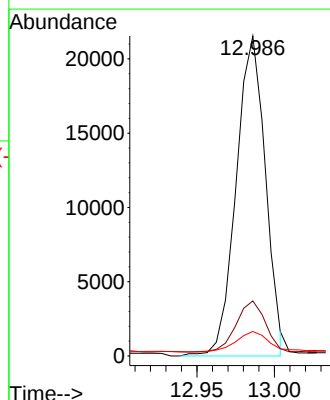
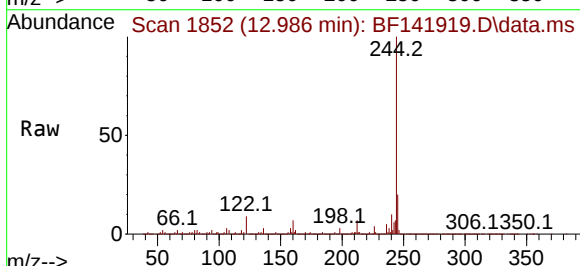
Tgt Ion:184 Resp: 28255

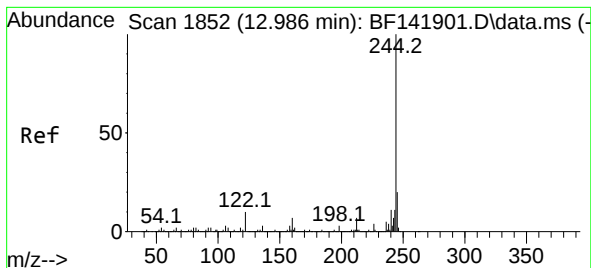
Ion Ratio Lower Upper

184 100

185 17.2 11.5 17.3

183 7.6 9.7 14.5#





#79

Terphenyl-d14

Concen: 83.826 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-16

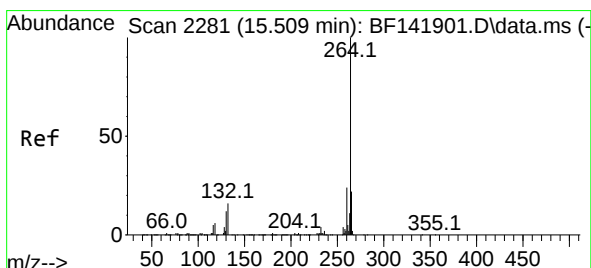
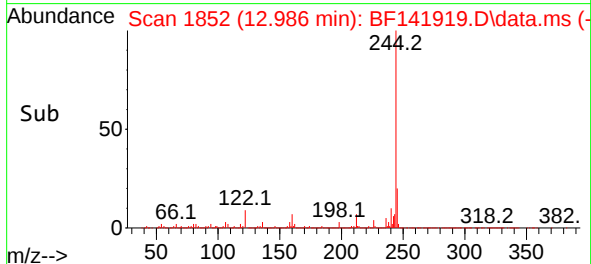
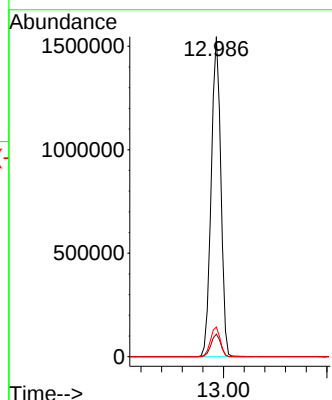
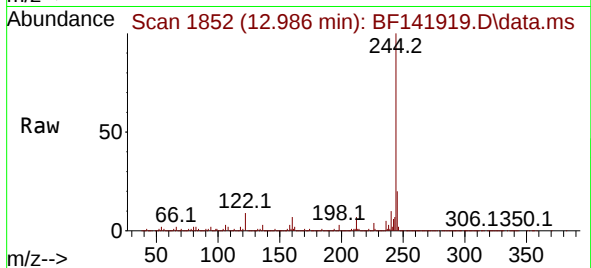
Tgt Ion:244 Resp: 1987372

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.3 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.000 min

Lab File: BF141919.D

Acq: 11 Mar 2025 16:42

Tgt Ion:264 Resp: 272418

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.9 17.5 26.3

