

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141921.D
 Acq On : 11 Mar 2025 17:42
 Operator : RC/JU
 Sample : Q1534-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-18

Quant Time: Mar 11 18:13:13 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)

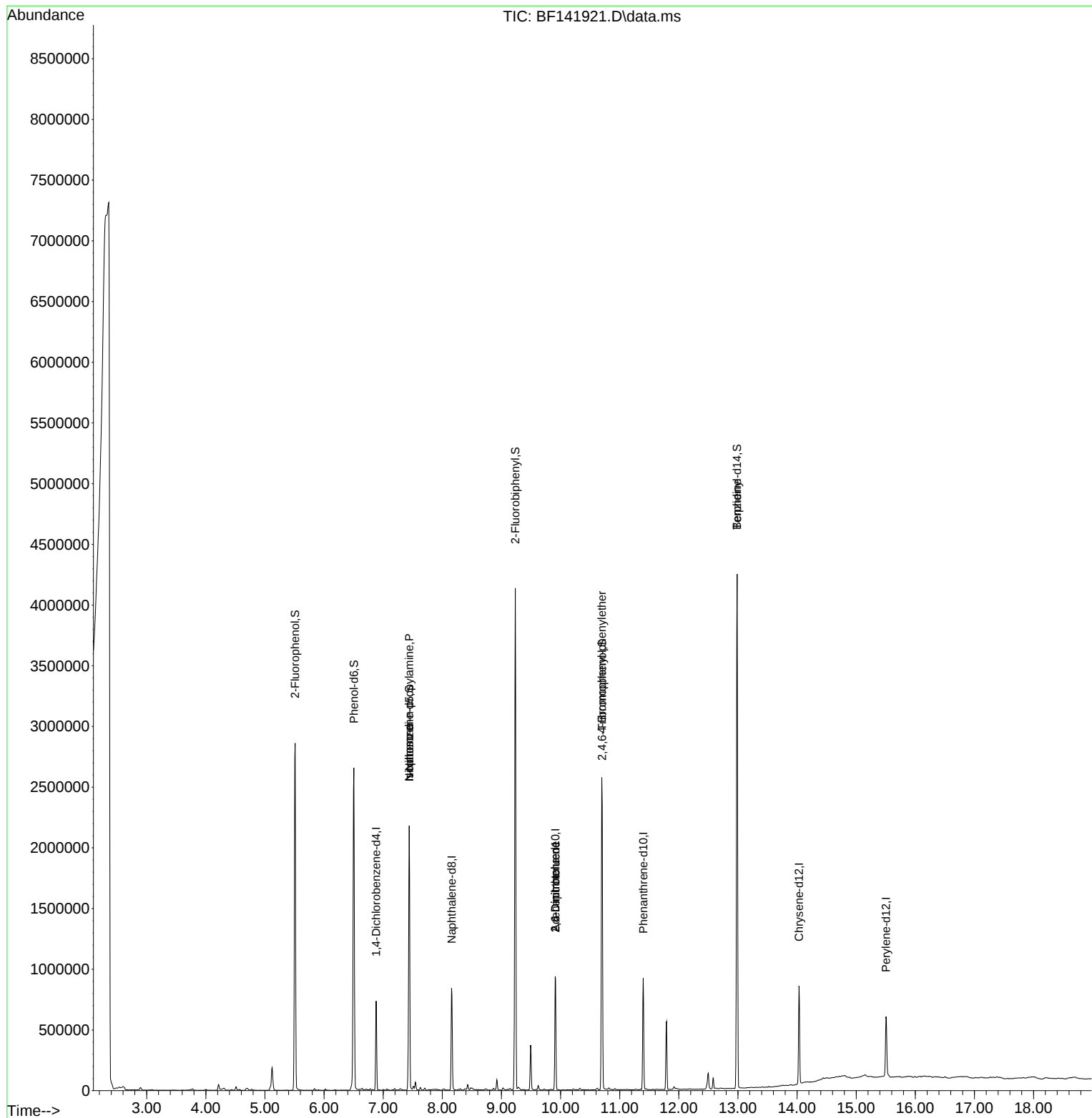
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	148454	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	543803	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	280113	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	459573	20.000	ng	0.00
76) Chrysene-d12	14.033	240	389706	20.000	ng	0.00
86) Perylene-d12	15.504	264	300445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1149360	129.214	ng	0.02
7) Phenol-d6	6.504	99	1321668	116.701	ng	0.00
23) Nitrobenzene-d5	7.439	82	988385	102.284	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	471876	132.788	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1796562	97.540	ng	0.00
79) Terphenyl-d14	12.986	244	2123054	80.544	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	137477	18.892	ng	# 78
25) Isophorone	7.439	82	979592	57.349	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	36211	8.866	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	36211	6.788	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	30331	5.255	ng	# 1
77) Benzidine	12.986	184	29503	5.426	ng	# 93

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

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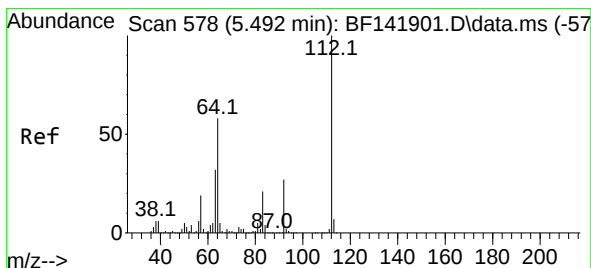
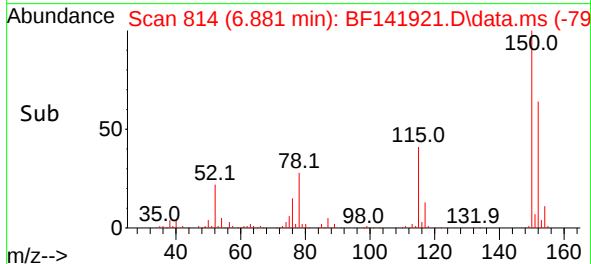
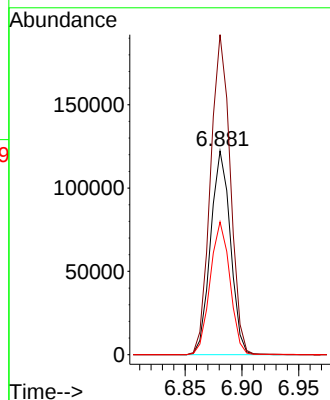
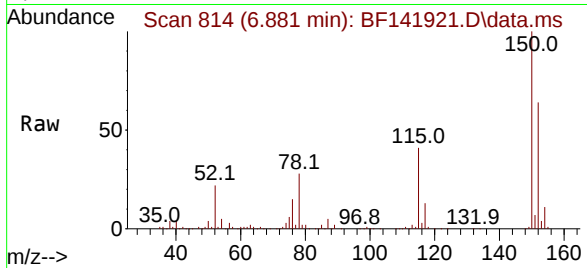




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

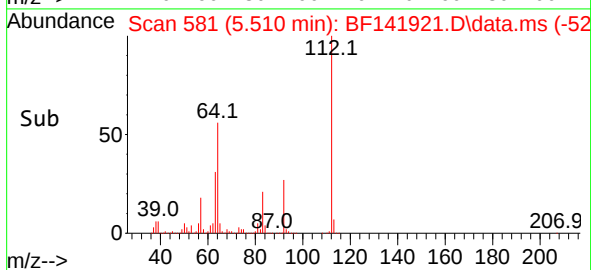
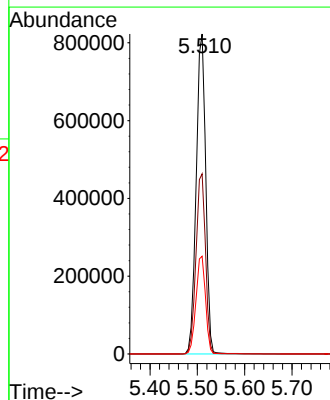
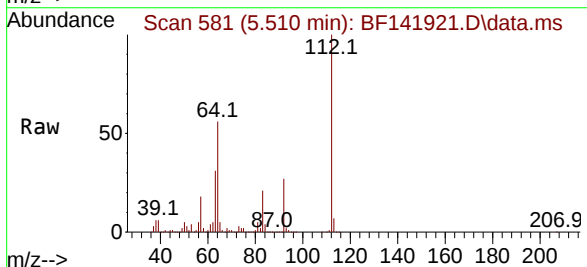
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-18

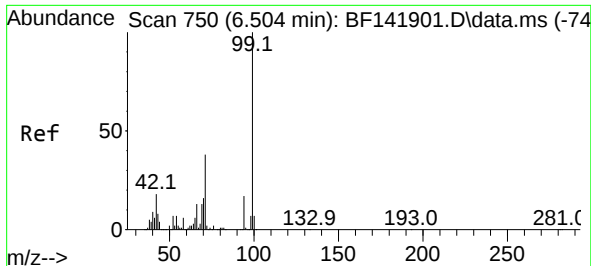
Tgt Ion:152 Resp: 148454
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.2
115 65.2 51.9 77.9



#5
2-Fluorophenol
Concen: 129.214 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

Tgt Ion:112 Resp: 1149360
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 30.6 25.4 38.2

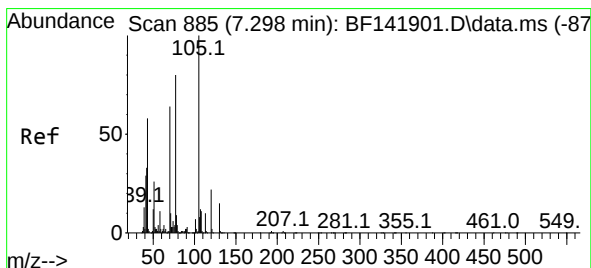
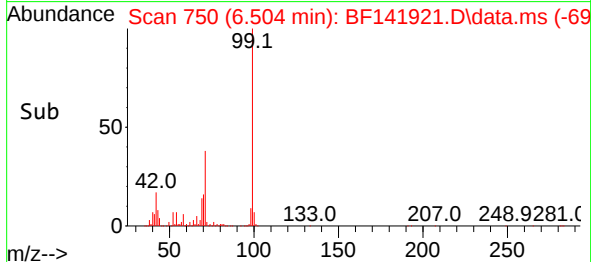
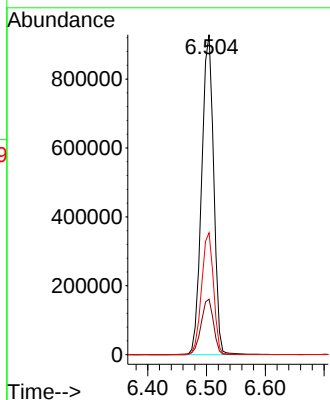
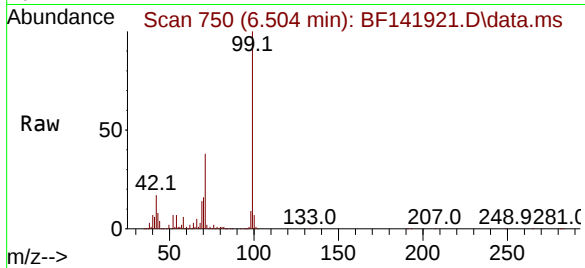




#7
Phenol-d6
Concen: 116.701 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

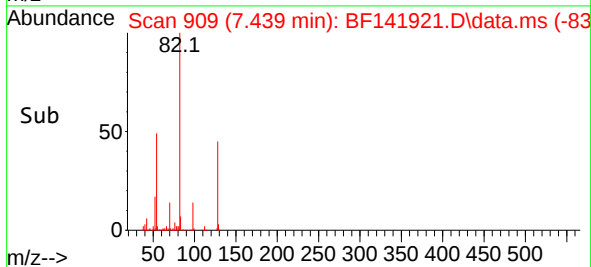
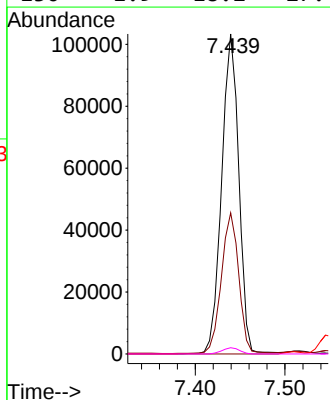
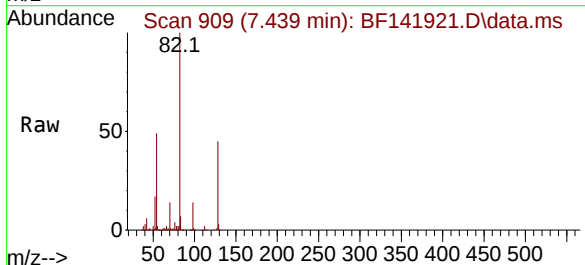
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-18

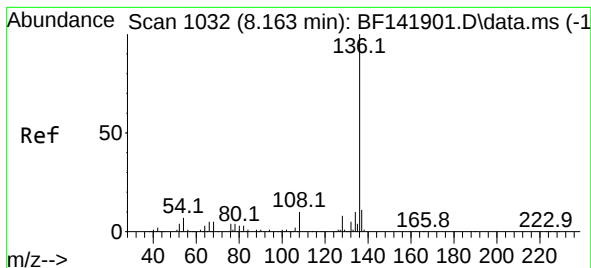
Tgt Ion: 99 Resp: 1321668
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.892 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

Tgt Ion: 70 Resp: 137477
Ion Ratio Lower Upper
70 100
42 44.1 41.4 62.0
101 0.0 8.2 12.2#
130 1.9 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: BF141921.D

Acq: 11 Mar 2025 17:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-18

Tgt Ion:136 Resp: 543803

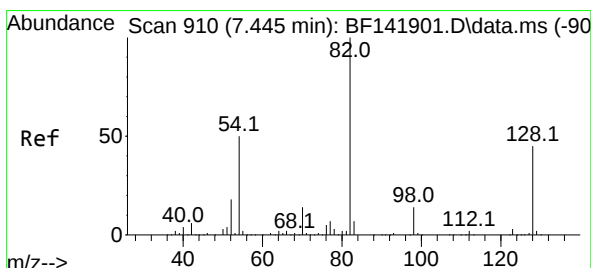
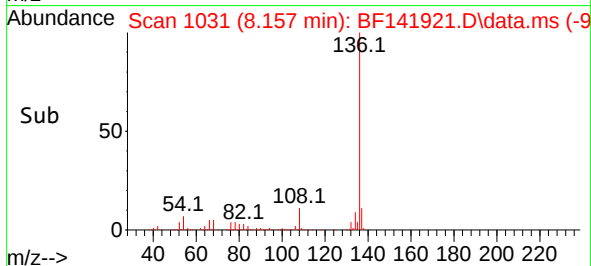
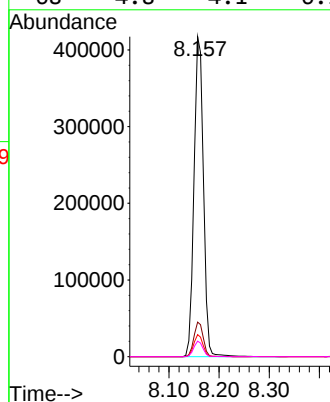
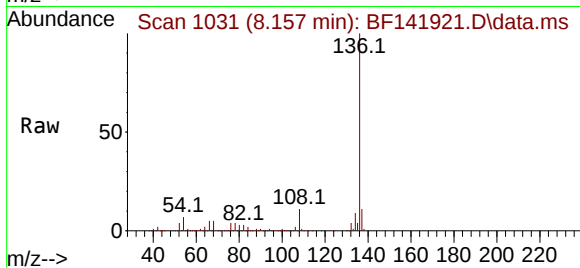
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.9 5.8 8.8

68 4.8 4.1 6.1



#23

Nitrobenzene-d5

Concen: 102.284 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141921.D

Acq: 11 Mar 2025 17:42

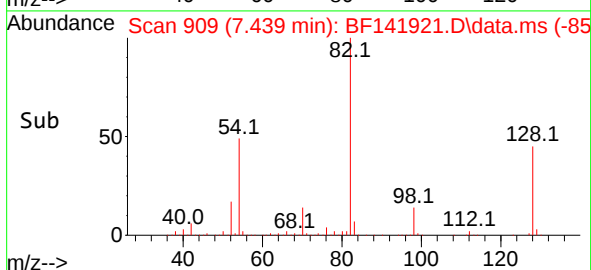
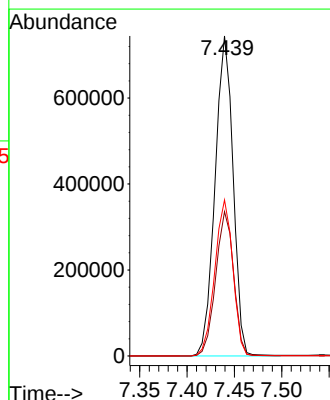
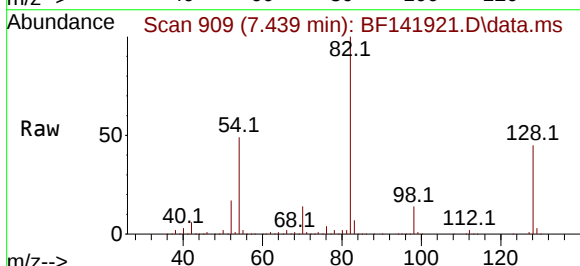
Tgt Ion: 82 Resp: 988385

Ion Ratio Lower Upper

82 100

128 45.1 36.0 54.0

54 48.8 39.6 59.4

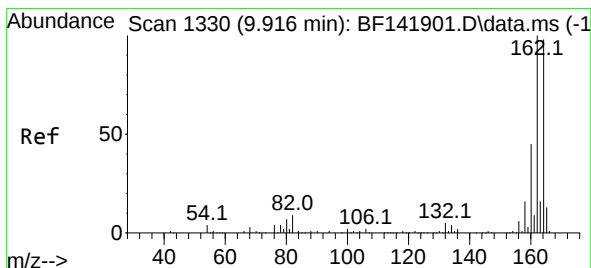
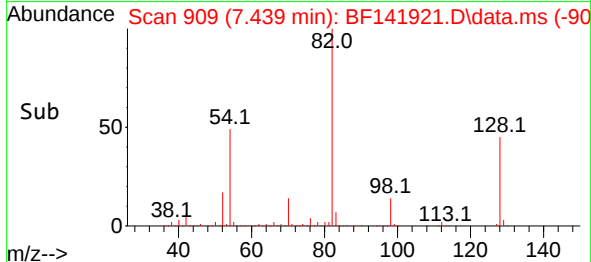
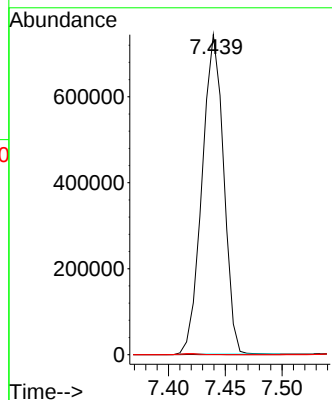
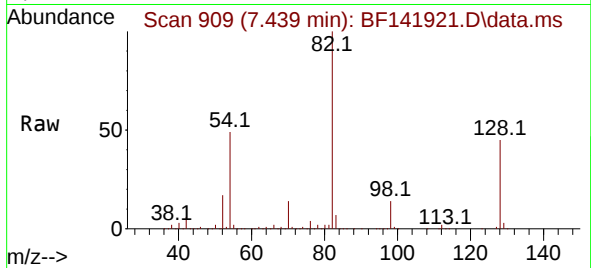




#25
Isophorone
Concen: 57.349 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

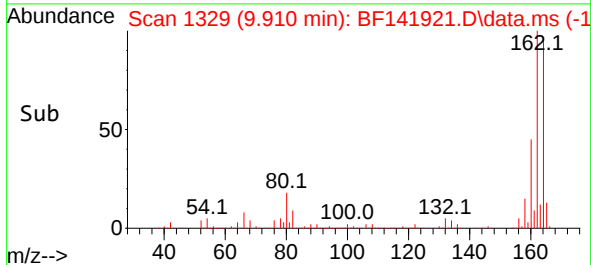
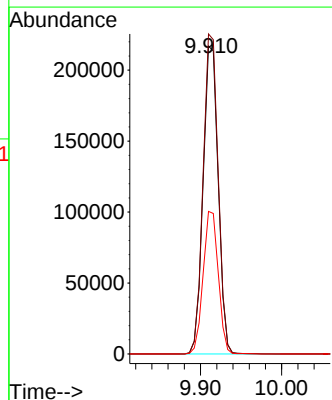
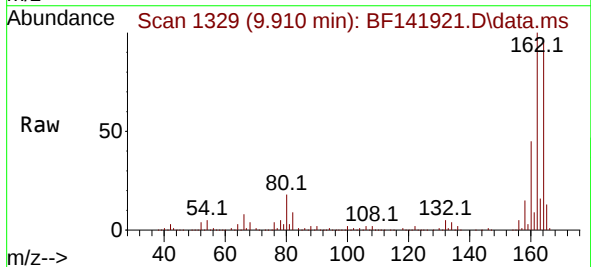
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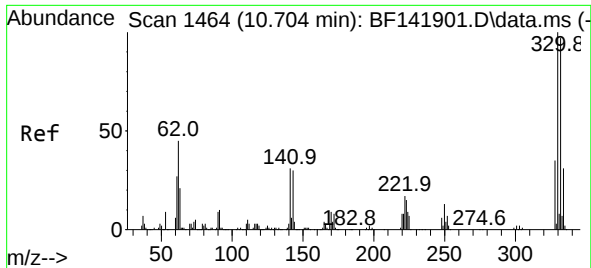
Tgt Ion: 82 Resp: 979592
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

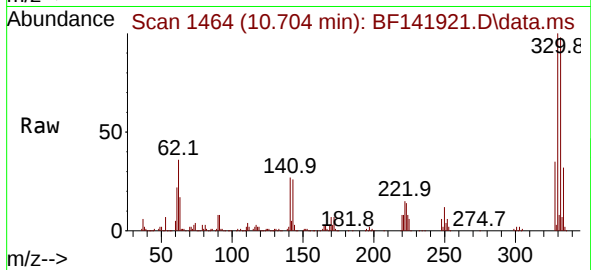
Tgt Ion:164 Resp: 280113
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.6
160 46.3 36.7 55.1



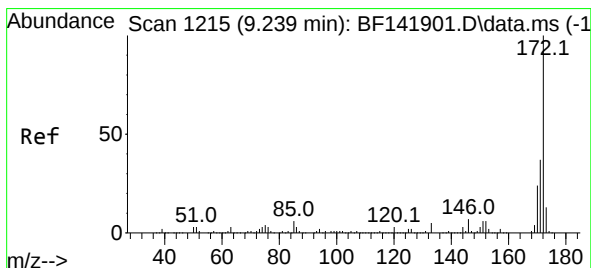
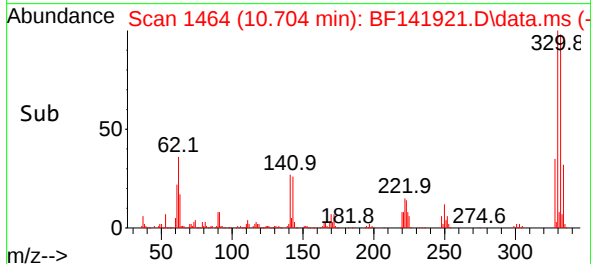
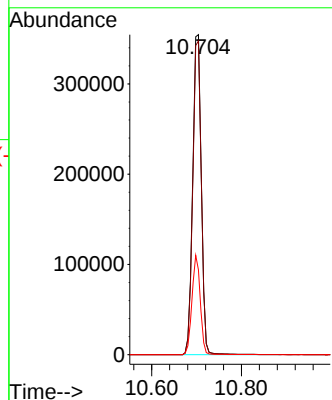


#42
2,4,6-Tribromophenol
Concen: 132.788 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-18

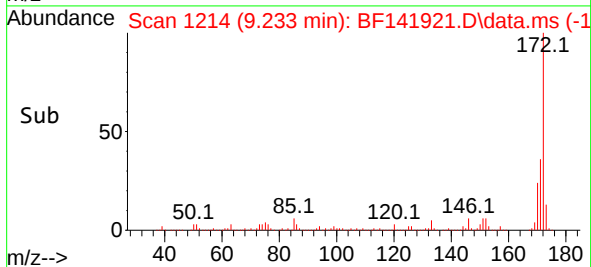
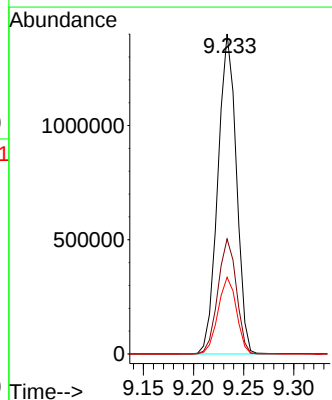
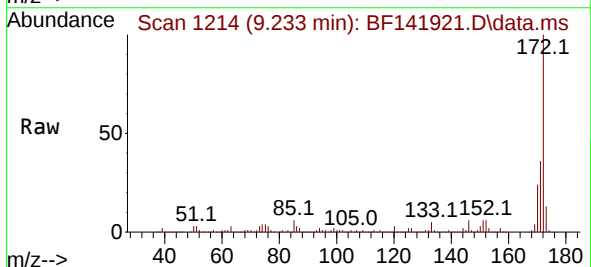


Tgt Ion:330 Resp: 471876
Ion Ratio Lower Upper
330 100
332 97.2 77.6 116.4
141 30.0 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 97.540 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141921.D
Acq: 11 Mar 2025 17:42

Tgt Ion:172 Resp: 1796562
Ion Ratio Lower Upper
172 100
171 36.0 29.3 43.9
170 24.0 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.866 ng

RT: 9.910 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF141921.D

Acq: 11 Mar 2025 17:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-18

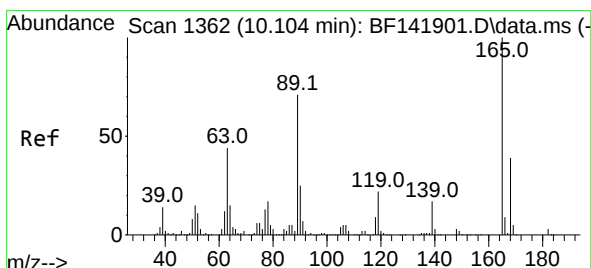
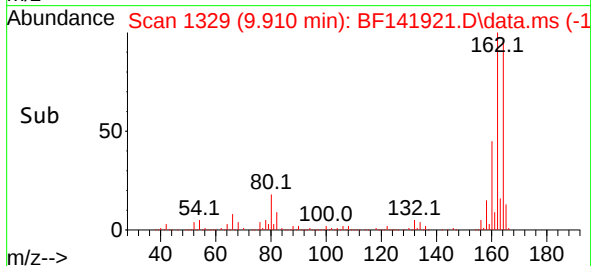
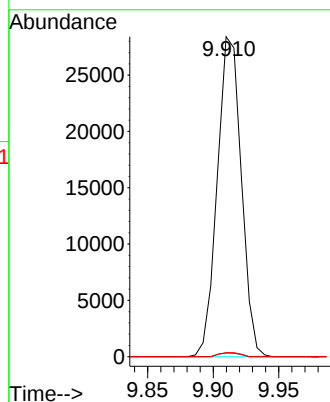
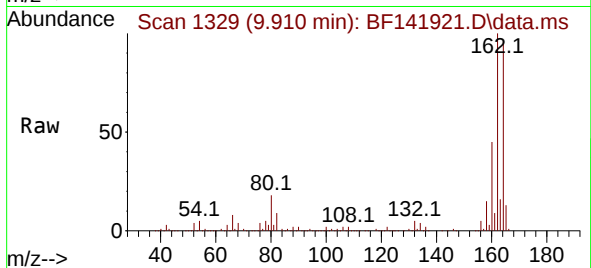
Tgt Ion:165 Resp: 36211

Ion Ratio Lower Upper

165 100

63 1.1 47.0 70.4#

89 1.3 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.788 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141921.D

Acq: 11 Mar 2025 17:42

Tgt Ion:165 Resp: 36211

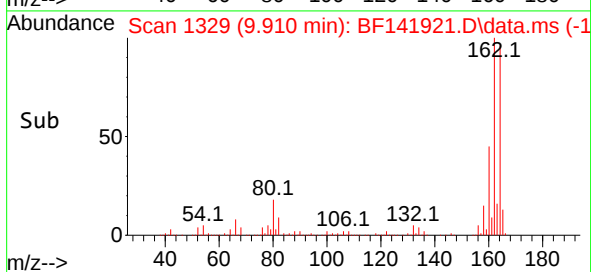
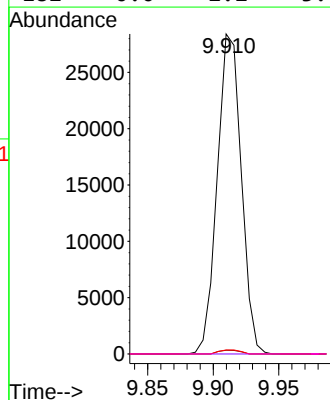
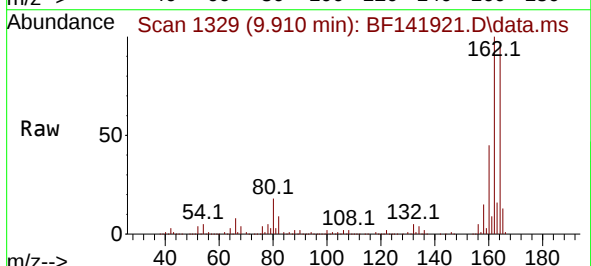
Ion Ratio Lower Upper

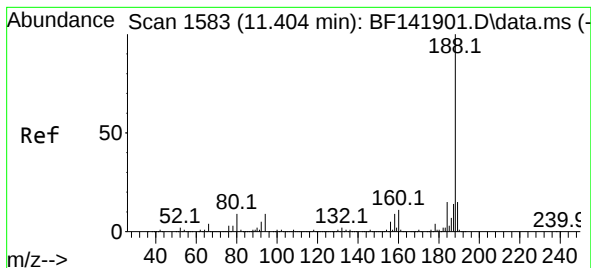
165 100

63 1.1 35.4 53.2#

89 1.3 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: BF141921.D

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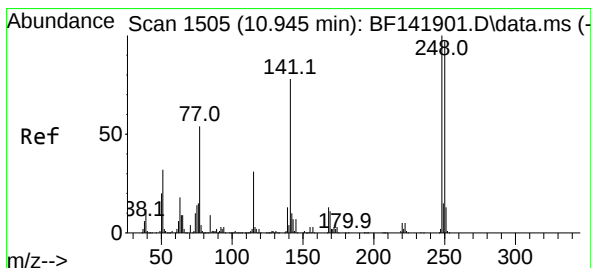
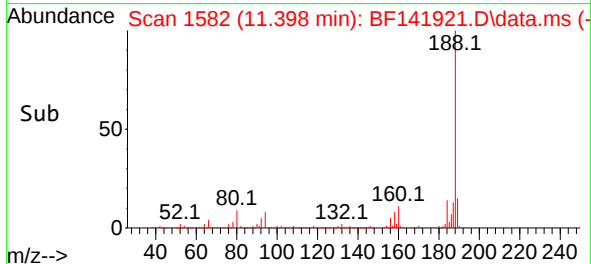
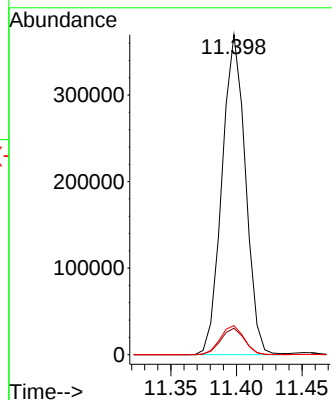
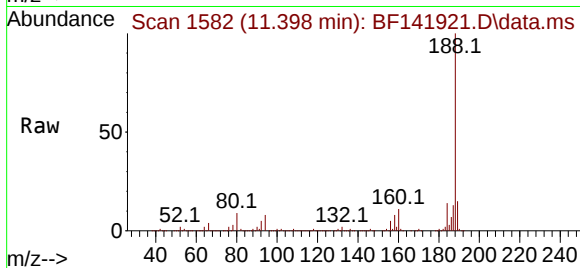
Tgt Ion:188 Resp: 459573

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.1 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.255 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF141921.D

Acq: 11 Mar 2025 17:42

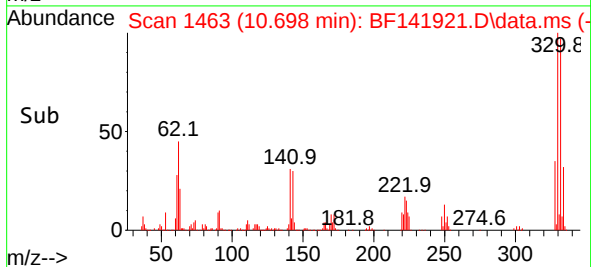
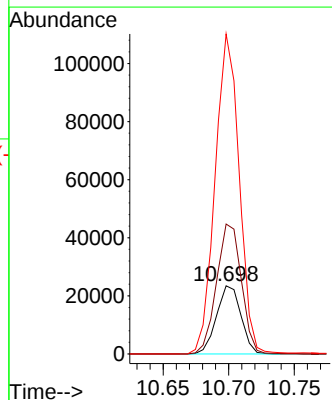
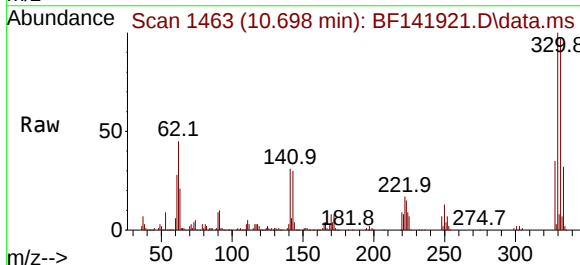
Tgt Ion:248 Resp: 30331

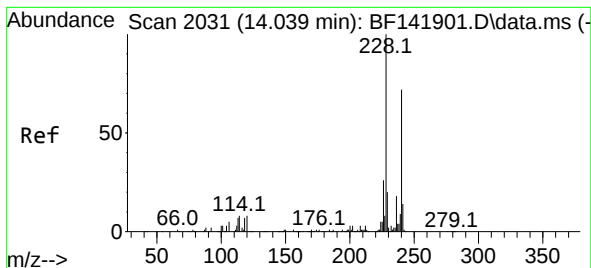
Ion Ratio Lower Upper

248 100

250 190.4 77.8 116.8#

141 469.0 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: BF141921.D

Acq: 11 Mar 2025 17:42

Instrument :

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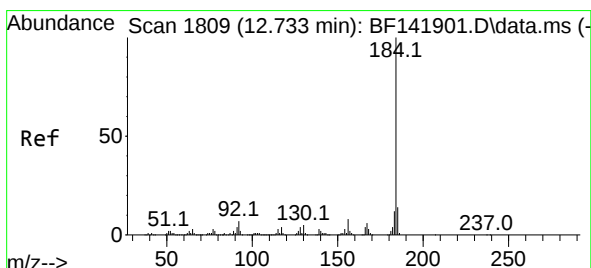
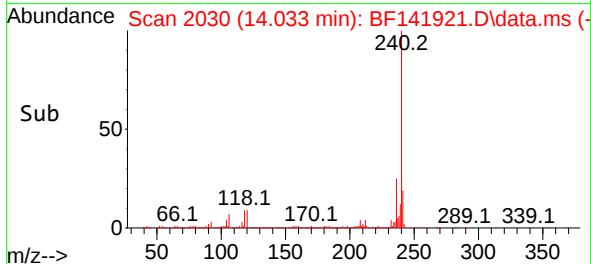
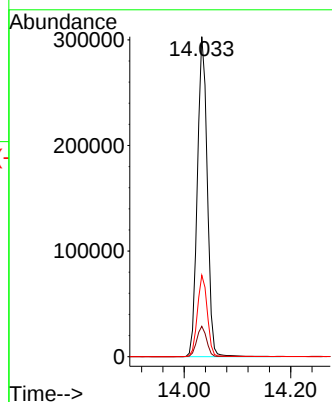
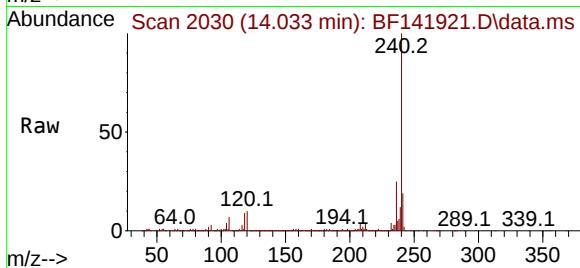
Tgt Ion:240 Resp: 389706

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 25.5 20.5 30.7



#77

Benzidine

Concen: 5.426 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF141921.D

Acq: 11 Mar 2025 17:42

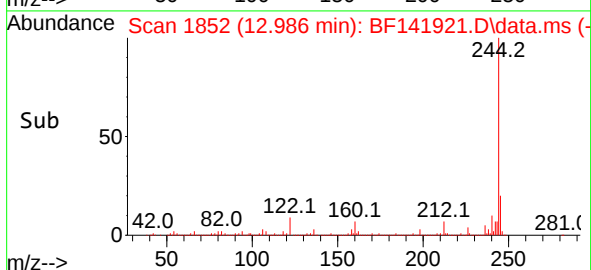
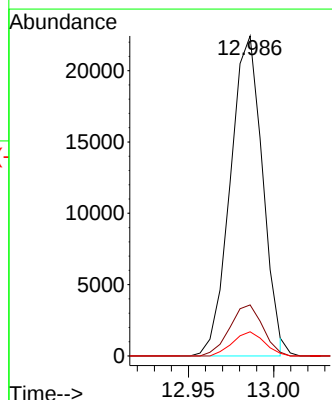
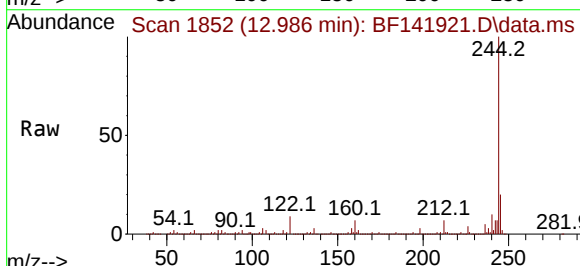
Tgt Ion:184 Resp: 29503

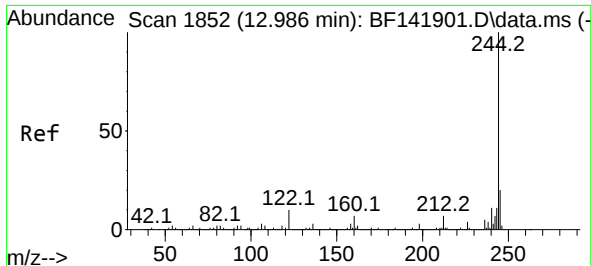
Ion Ratio Lower Upper

184 100

185 16.0 11.5 17.3

183 7.6 9.7 14.5#

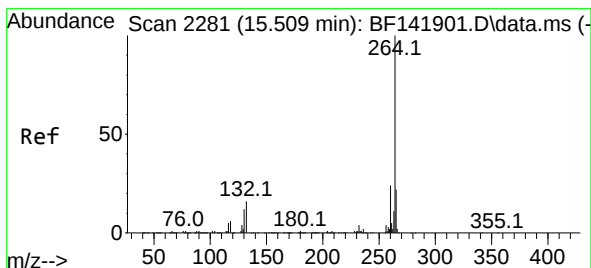
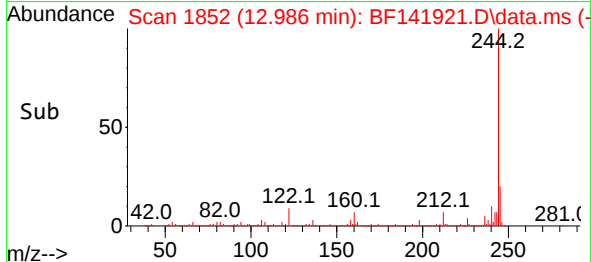
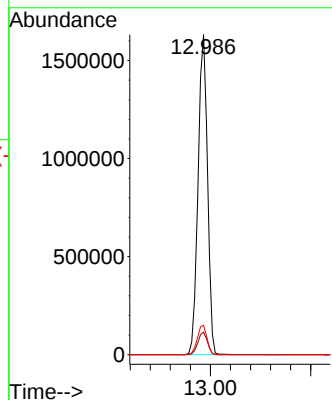
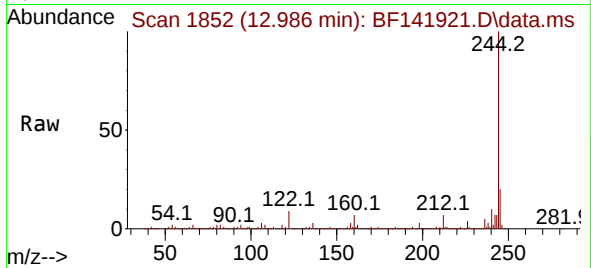




#79
 Terphenyl-d14
 Concen: 80.544 ng
 RT: 12.986 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141921.D
 Acq: 11 Mar 2025 17:42

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-18

Tgt Ion:244 Resp: 2123054
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.2 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF141921.D
 Acq: 11 Mar 2025 17:42

Tgt Ion:264 Resp: 300445
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.1 28.7
 265 21.6 17.5 26.3

