

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131972.D
 Acq On : 09 Jan 2023 20:01
 Operator : CG\JU
 Sample : 01047-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Jan 10 03:14:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

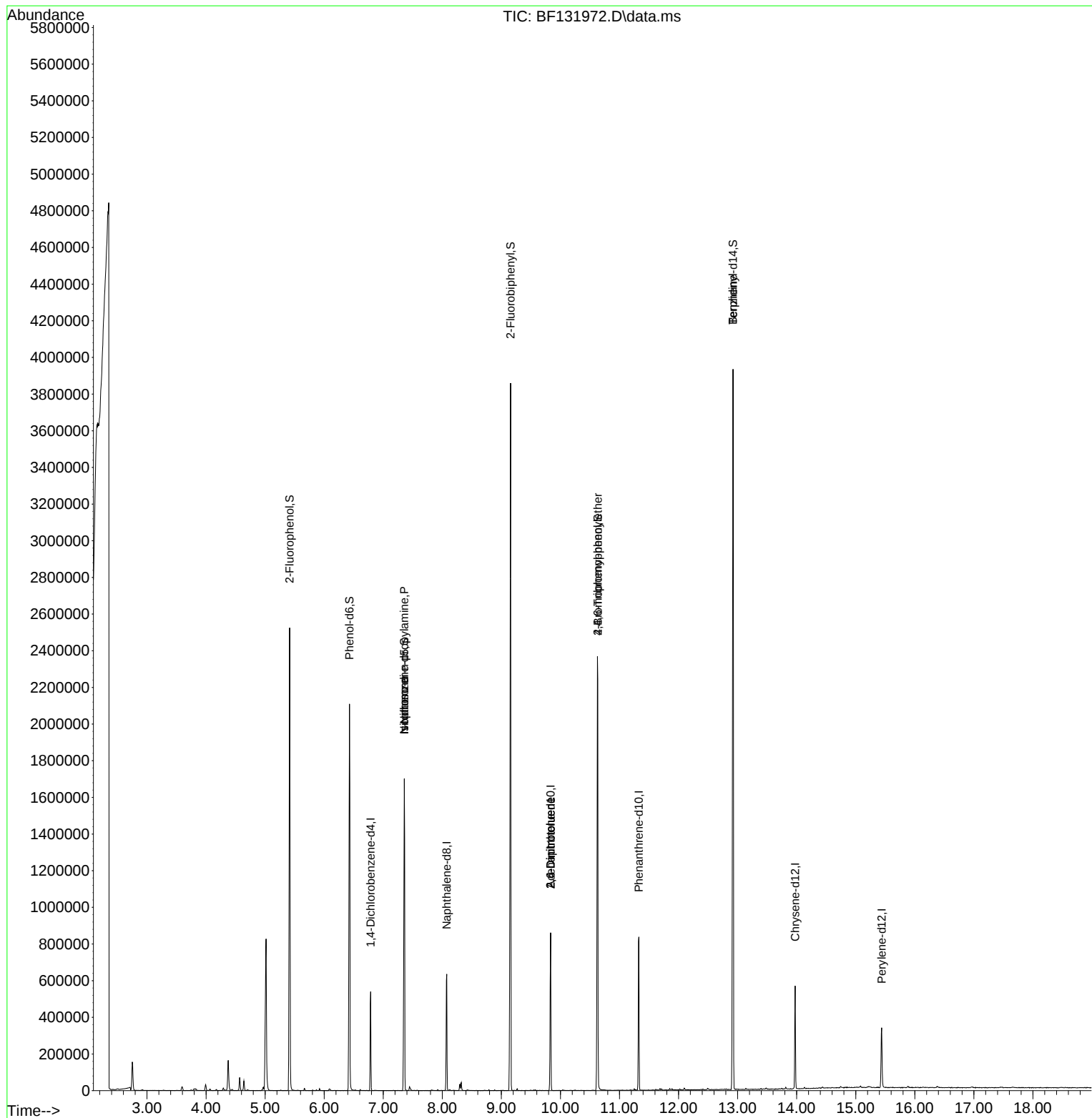
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	73218	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	272406	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	158937	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	313451	20.000	ng	0.00
76) Chrysene-d12	13.974	240	176792	20.000	ng	-0.01
86) Perylene-d12	15.439	264	152929	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	647054	145.620	ng	0.02
7) Phenol-d6	6.428	99	784259	133.118	ng	0.00
23) Nitrobenzene-d5	7.357	82	658625	100.347	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	295759	161.844	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1169985	99.375	ng	0.00
79) Terphenyl-d14	12.921	244	1460272	118.386	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.357	70	92412	21.684	ng	# 78
25) Isophorone	7.357	82	655207	53.436	ng	# 69
51) 2,6-Dinitrotoluene	9.833	165	21011	8.064	ng	# 22
57) 2,4-Dinitrotoluene	9.833	165	21011	6.031	ng	# 13
67) 4-Bromophenyl-phenylether	10.633	248	20666	5.270	ng	# 1
77) Benzydine	12.921	184	23317	3.970	ng	# 93

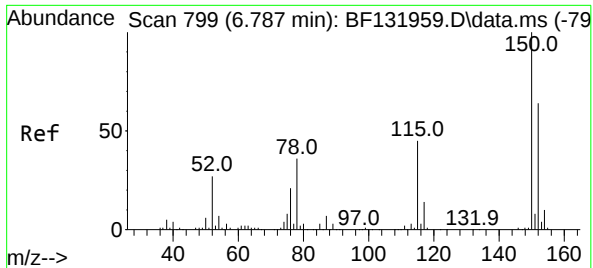
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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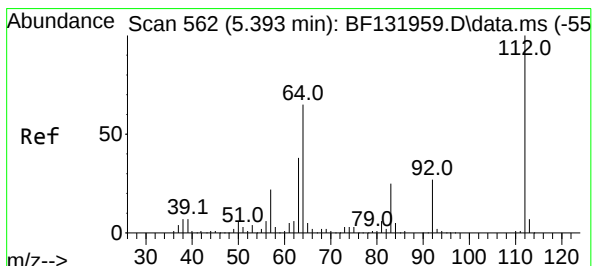
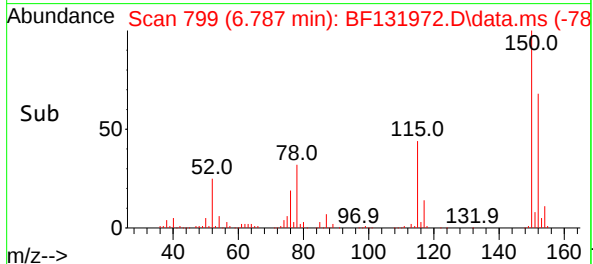
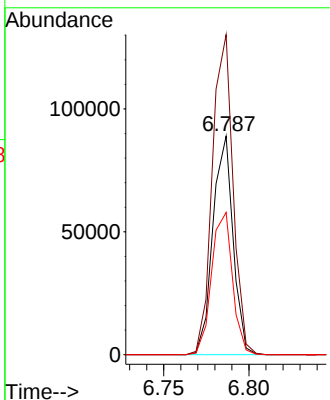
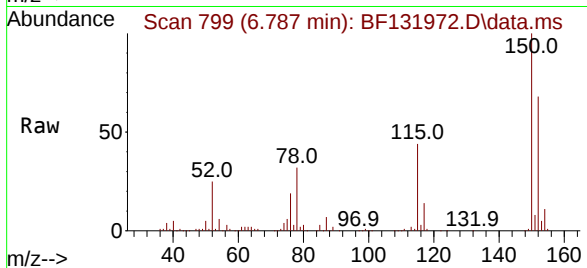




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF131972.D
Acq: 09 Jan 2023 20:01

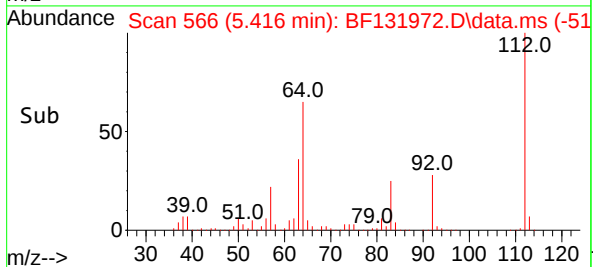
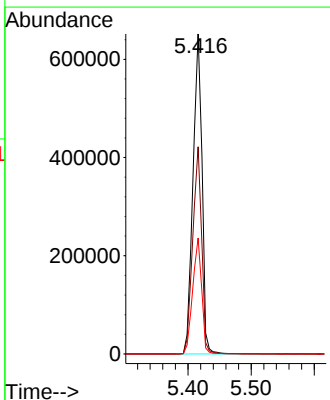
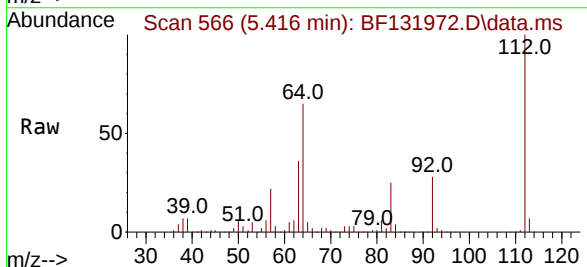
Instrument :
BNA_F
ClientSampleId :
TP-6

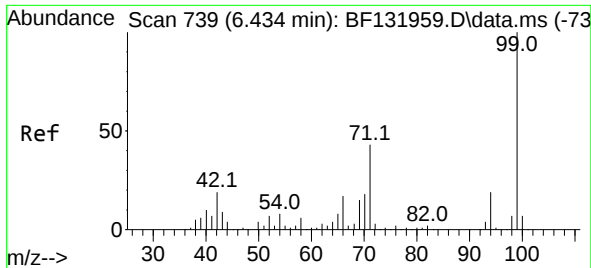
Tgt Ion:152 Resp: 73218
Ion Ratio Lower Upper
152 100
150 146.4 124.6 186.8
115 65.1 55.6 83.4



#5
2-Fluorophenol
Concen: 145.620 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.023 min
Lab File: BF131972.D
Acq: 09 Jan 2023 20:01

Tgt Ion:112 Resp: 647054
Ion Ratio Lower Upper
112 100
64 64.8 51.9 77.9
63 36.3 30.2 45.2

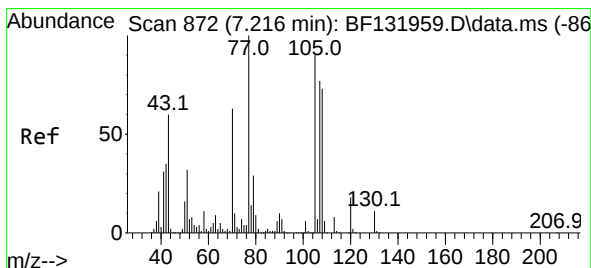
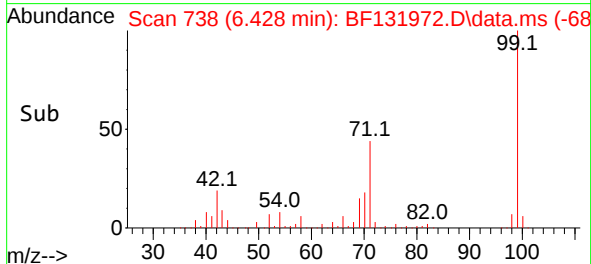
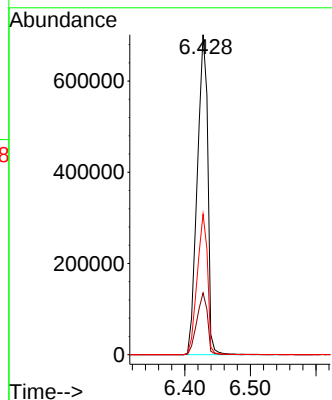
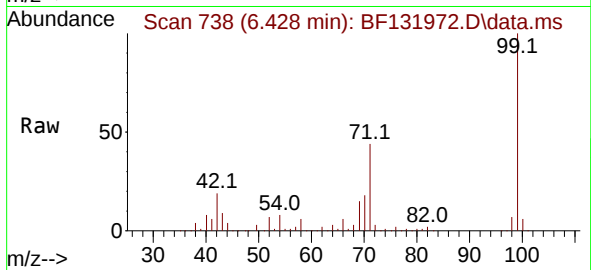




#7
Phenol-d6
Concen: 133.118 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131972.D
Acq: 09 Jan 2023 20:01

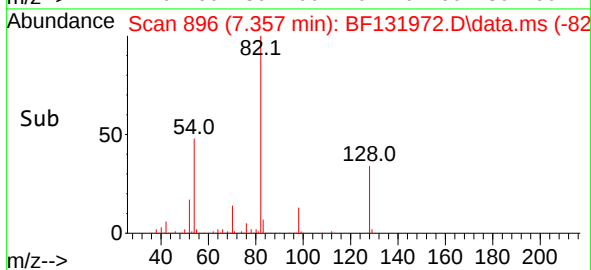
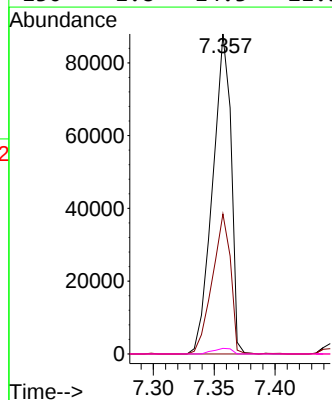
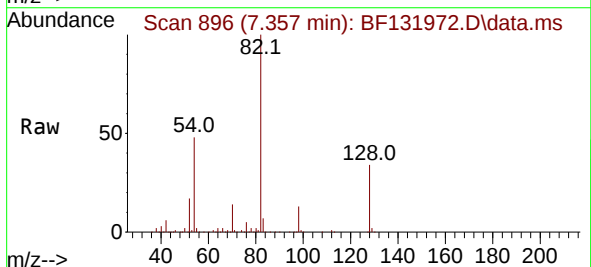
Instrument :
BNA_F
ClientSampleId :
TP-6

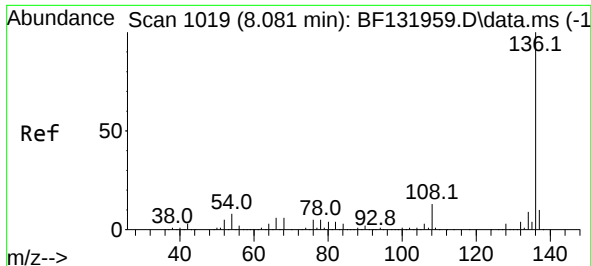
Tgt Ion: 99 Resp: 784259
Ion Ratio Lower Upper
99 100
42 19.3 15.4 23.2
71 44.0 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.684 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF131972.D
Acq: 09 Jan 2023 20:01

Tgt Ion: 70 Resp: 92412
Ion Ratio Lower Upper
70 100
42 43.7 44.3 66.5#
101 0.0 7.5 11.3#
130 1.8 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:136 Resp: 272406

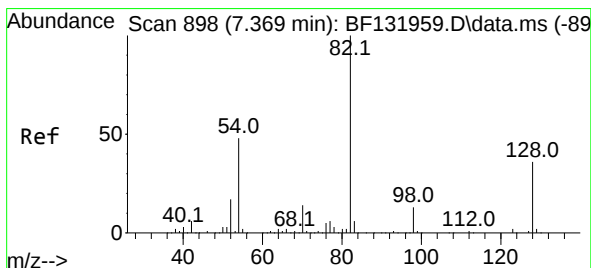
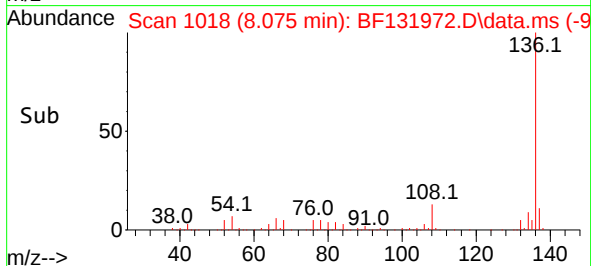
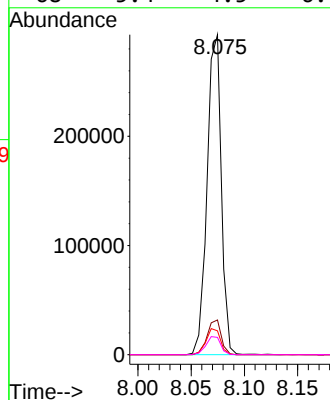
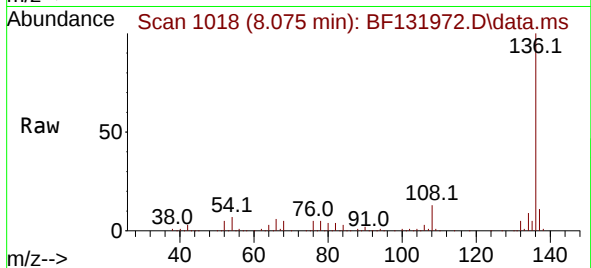
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.2

54 7.5 6.6 9.8

68 5.4 4.5 6.7



#23

Nitrobenzene-d5

Concen: 100.347 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

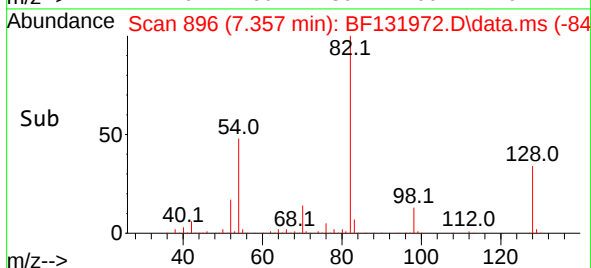
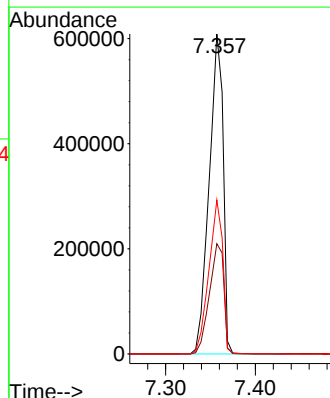
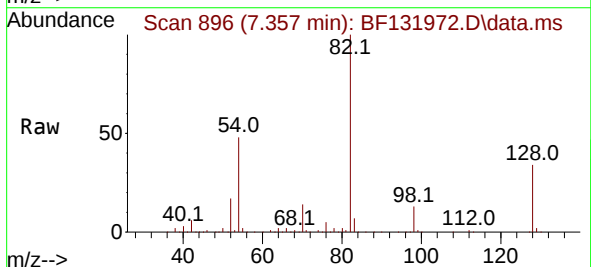
Tgt Ion: 82 Resp: 658625

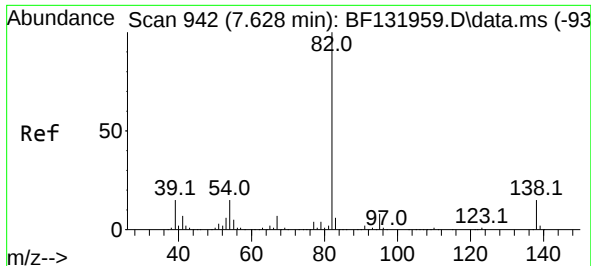
Ion Ratio Lower Upper

82 100

128 34.4 28.7 43.1

54 48.1 38.1 57.1

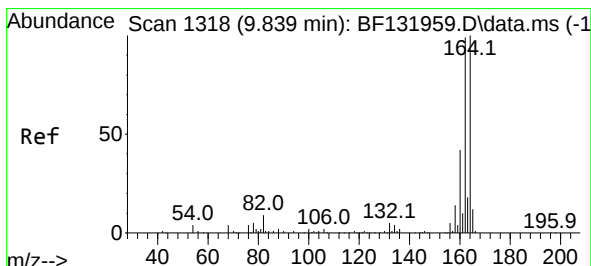
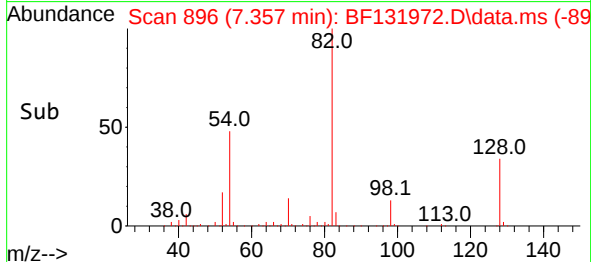
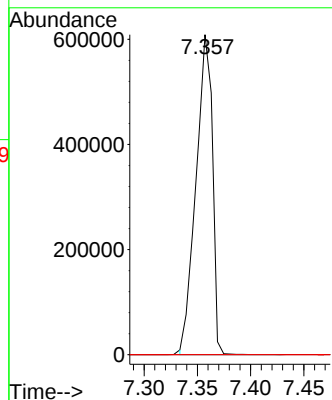
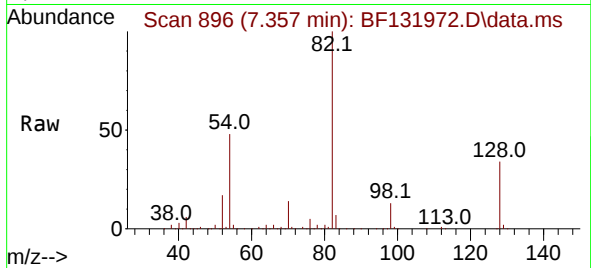




#25
Isophorone
Concen: 53.436 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF131972.D
Acq: 09 Jan 2023 20:01

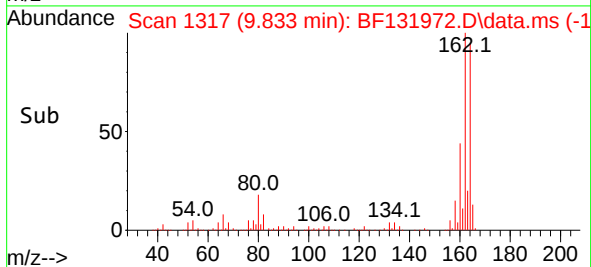
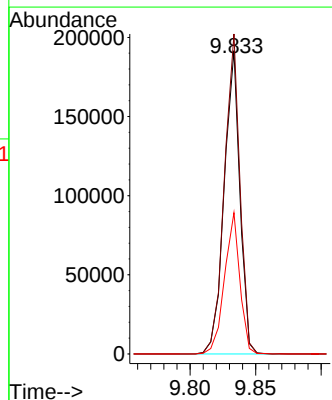
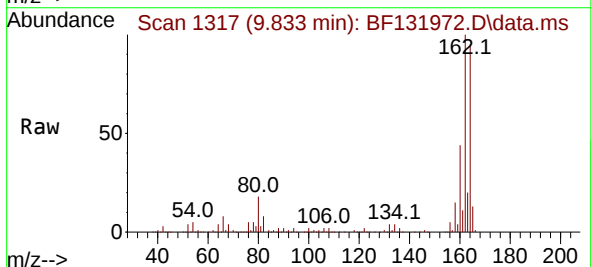
Instrument :
BNA_F
ClientSampleId :
TP-6

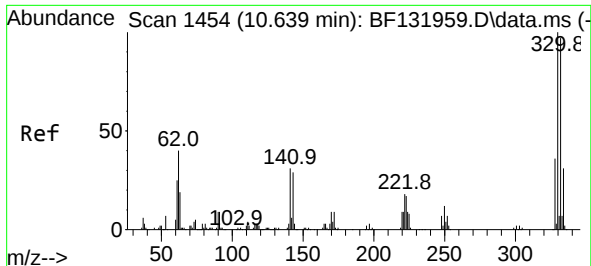
Tgt Ion: 82 Resp: 655207
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131972.D
Acq: 09 Jan 2023 20:01

Tgt Ion:164 Resp: 158937
Ion Ratio Lower Upper
164 100
162 105.5 79.4 119.0
160 46.6 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 161.844 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-6

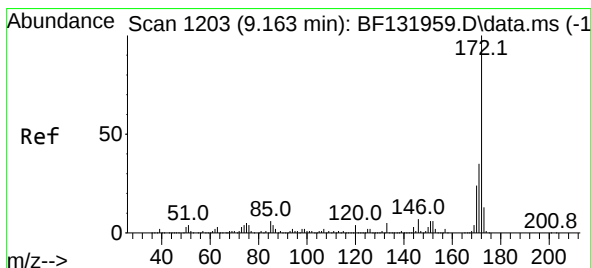
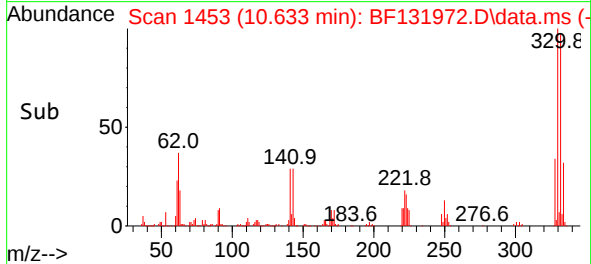
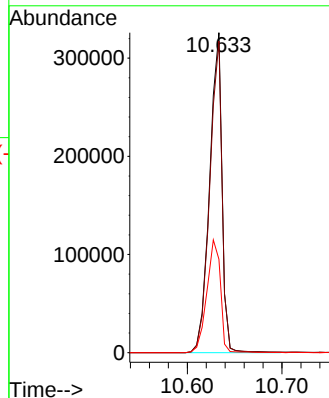
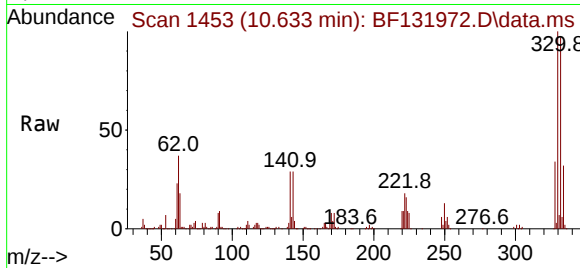
Tgt Ion:330 Resp: 295759

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 38.7 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 99.375 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

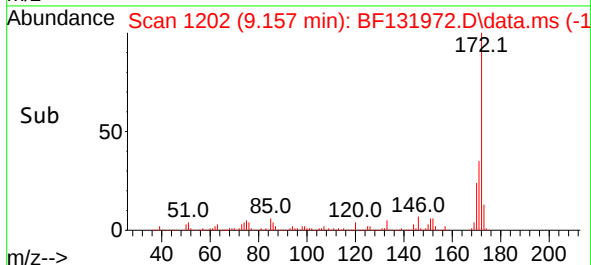
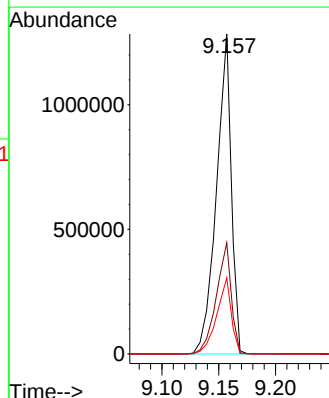
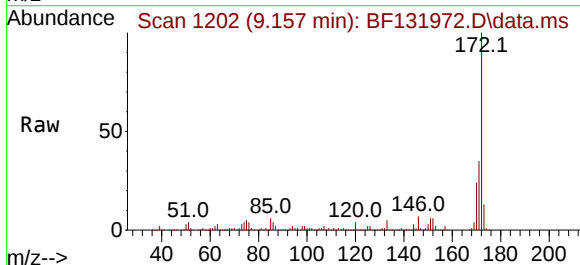
Tgt Ion:172 Resp: 1169985

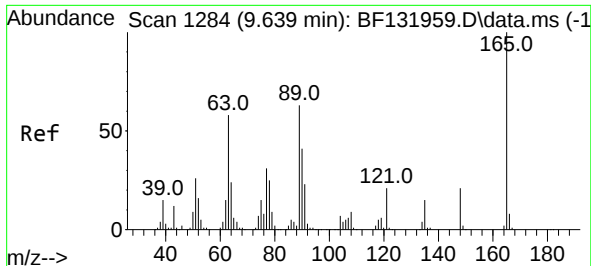
Ion Ratio Lower Upper

172 100

171 34.7 28.0 42.0

170 23.8 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.064 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.194 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-6

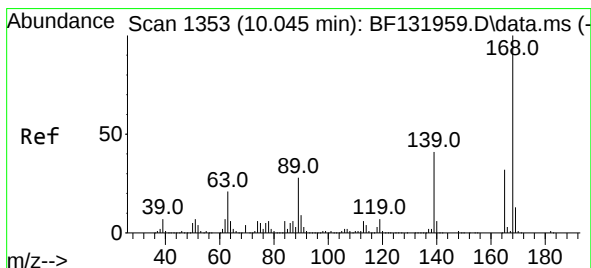
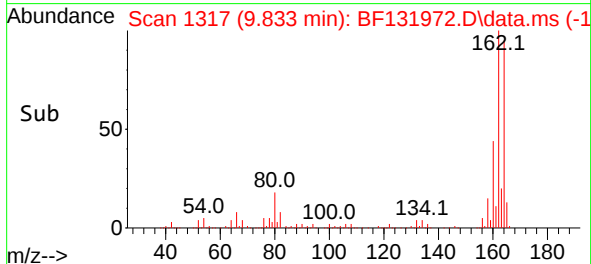
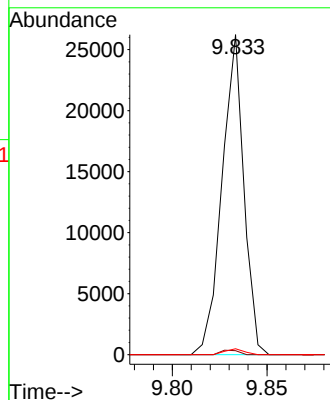
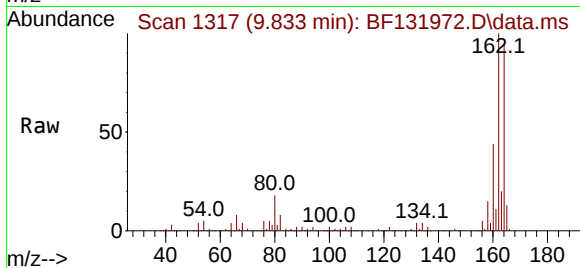
Tgt Ion:165 Resp: 21011

Ion Ratio Lower Upper

165 100

63 1.2 47.4 71.0#

89 1.8 50.2 75.2#



#57

2,4-Dinitrotoluene

Concen: 6.031 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.212 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

Tgt Ion:165 Resp: 21011

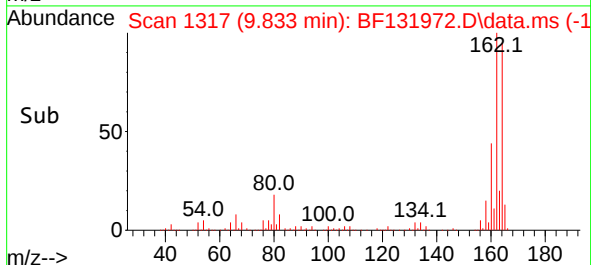
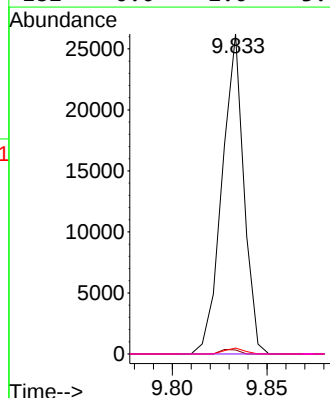
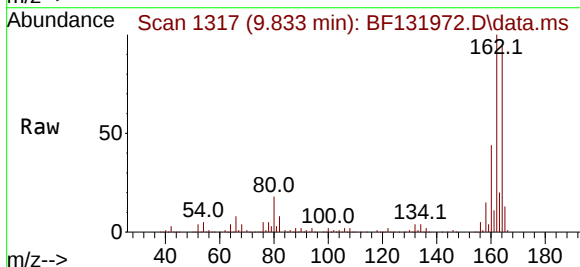
Ion Ratio Lower Upper

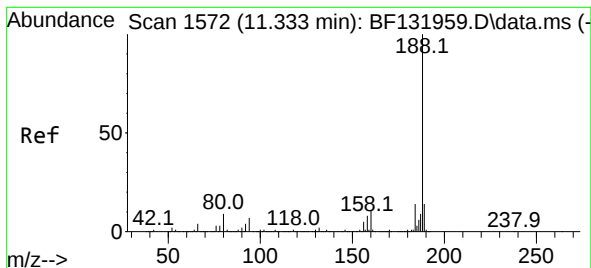
165 100

63 1.2 53.2 79.8#

89 1.8 71.2 106.8#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

Instrument :

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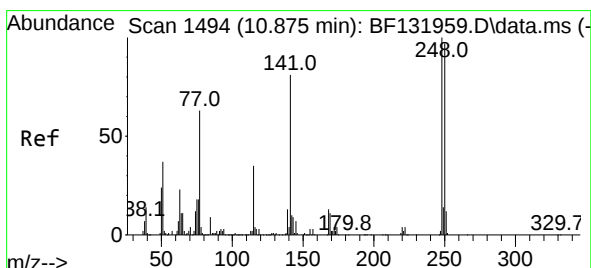
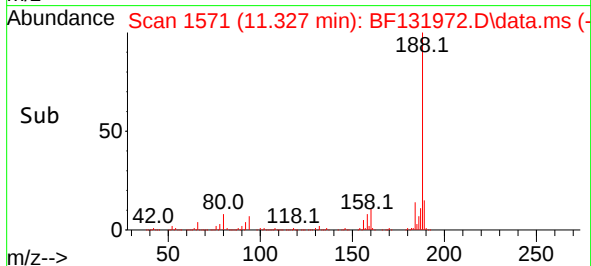
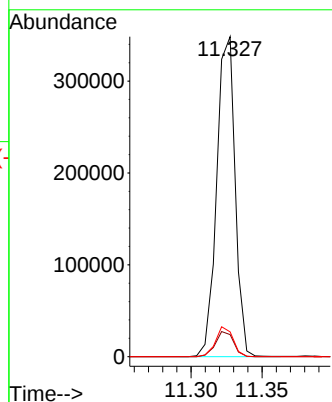
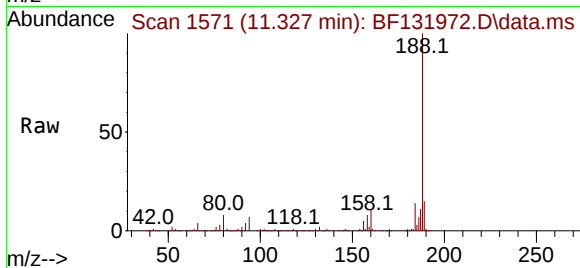
Tgt Ion:188 Resp: 313451

Ion Ratio Lower Upper

188 100

94 6.9 5.8 8.6

80 7.7 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 5.270 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.241 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

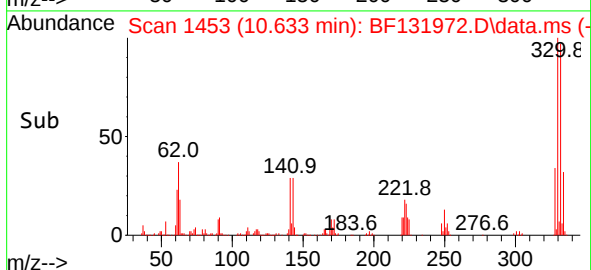
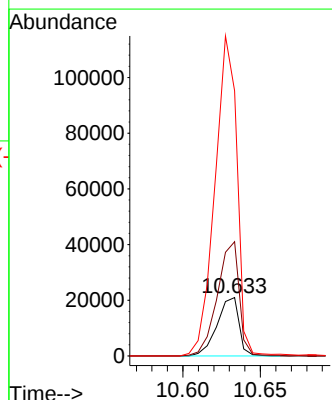
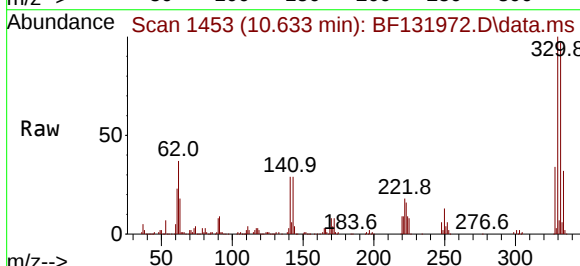
Tgt Ion:248 Resp: 20666

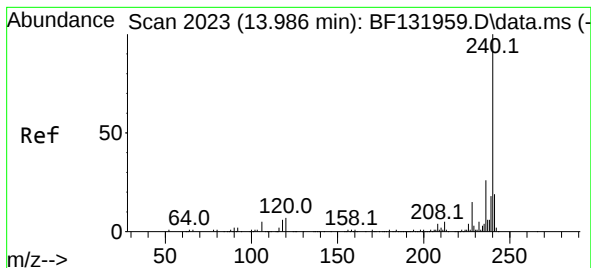
Ion Ratio Lower Upper

248 100

250 195.4 77.4 116.2#

141 453.6 65.0 97.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-6

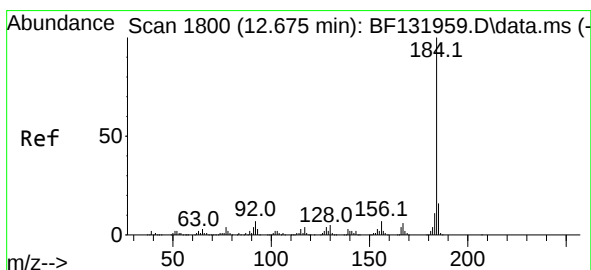
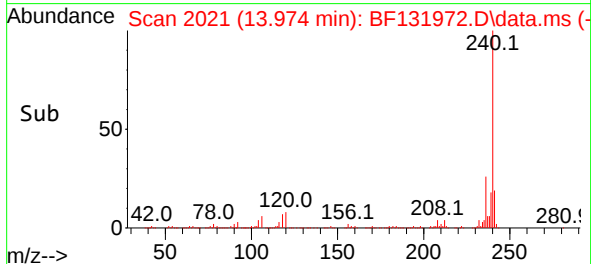
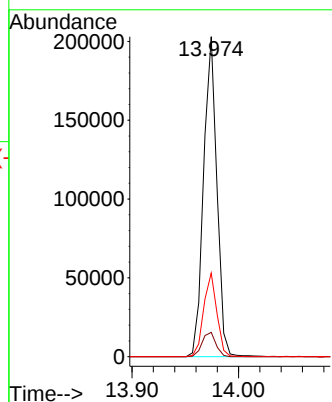
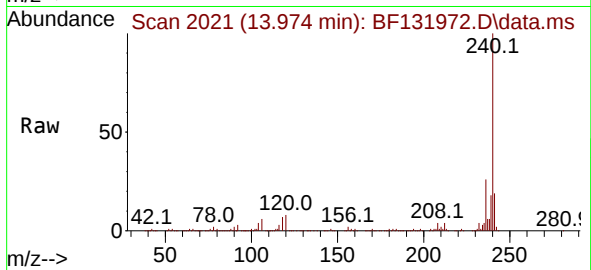
Tgt Ion:240 Resp: 176792

Ion Ratio Lower Upper

240 100

120 7.6 5.4 8.0

236 26.1 21.1 31.7



#77

Benzidine

Concen: 3.970 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.246 min

Lab File: BF131972.D

Acq: 09 Jan 2023 20:01

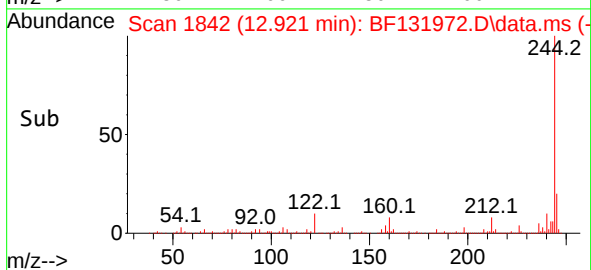
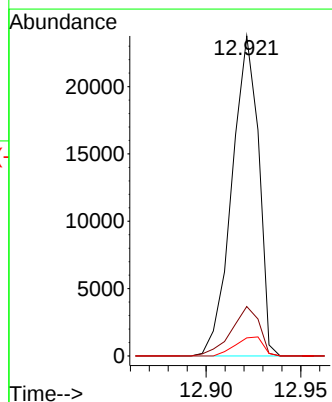
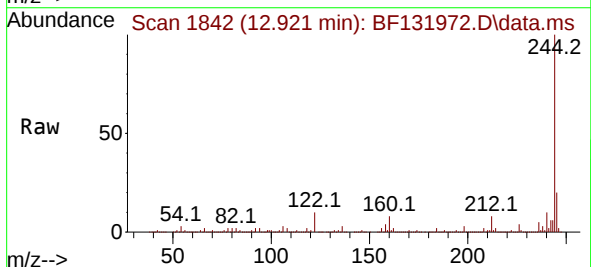
Tgt Ion:184 Resp: 23317

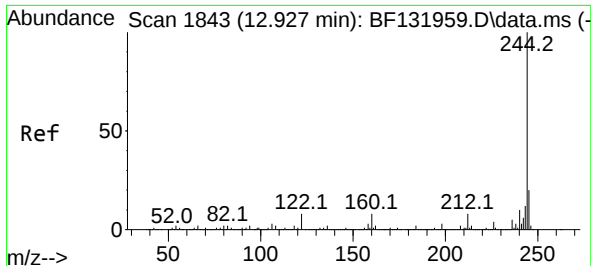
Ion Ratio Lower Upper

184 100

185 15.5 12.8 19.2

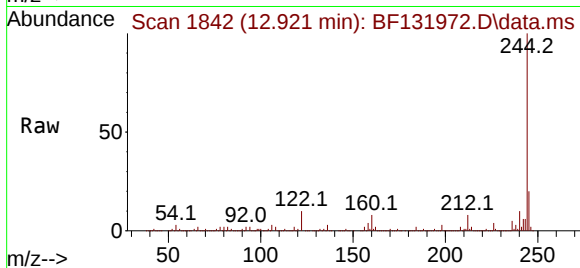
183 5.6 9.0 13.4#





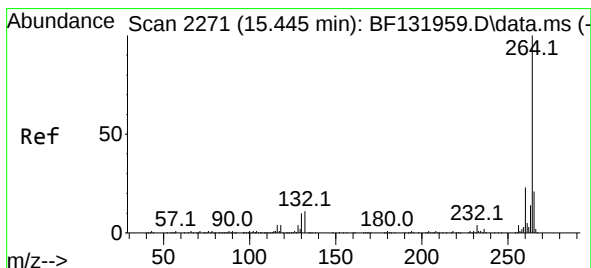
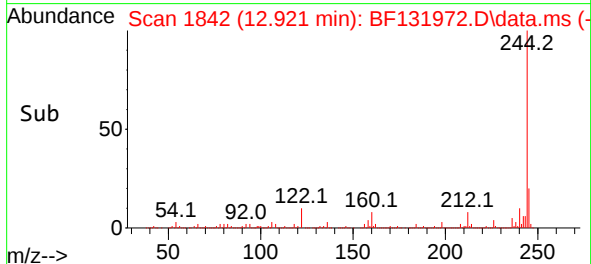
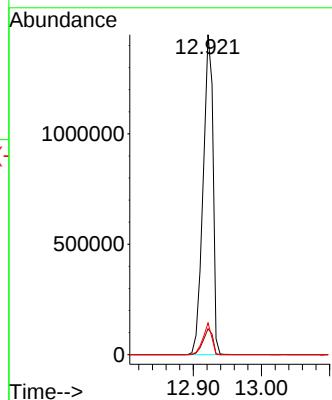
#79
 Terphenyl-d14
 Concen: 118.386 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF131972.D
 Acq: 09 Jan 2023 20:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-6



Tgt Ion:244 Resp: 1460272

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	9.9	6.8	10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.006 min
 Lab File: BF131972.D
 Acq: 09 Jan 2023 20:01

Tgt Ion:264 Resp: 152929

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.3	27.5
265	20.5	16.9	25.3

