

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110423\
 Data File : BF136147.D
 Acq On : 04 Nov 2023 14:27
 Operator : CG\JU
 Sample : 05242-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Nov 06 01:01:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

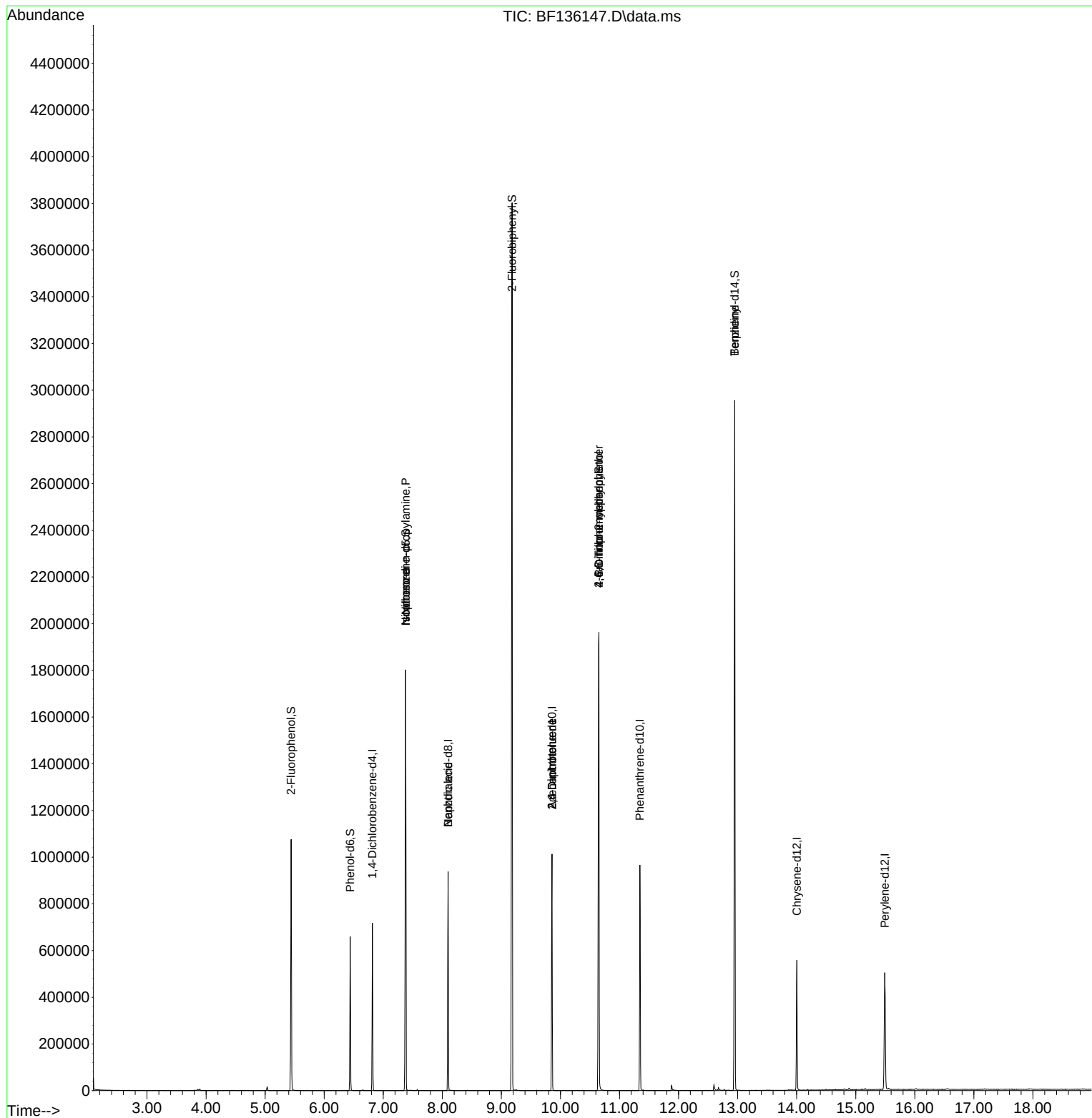
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	93808	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	359198	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	187576	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	337216	20.000	ng	0.00
76) Chrysene-d12	14.004	240	180327	20.000	ng	0.00
86) Perylene-d12	15.492	264	239584	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	263992	44.222	ng	0.00
7) Phenol-d6	6.440	99	183421	24.660	ng	-0.02
23) Nitrobenzene-d5	7.381	82	559415	93.884	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	263007	131.363	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1103643	93.792	ng	0.00
79) Terphenyl-d14	12.951	244	1001009	86.265	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	75053	17.660	ng	# 77
25) Isophorone	7.381	82	559502	49.737	ng	# 64
32) Benzoic acid	8.098	122	60	5.127	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	24333	9.195	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	24333	7.268	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.651	198	533	6.044	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	17251	4.879	ng	# 1
77) Benzidine	12.951	184	12344	3.512	ng	# 92

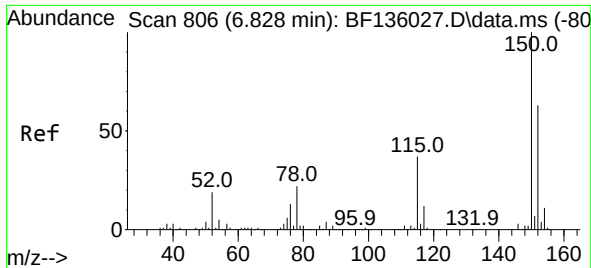
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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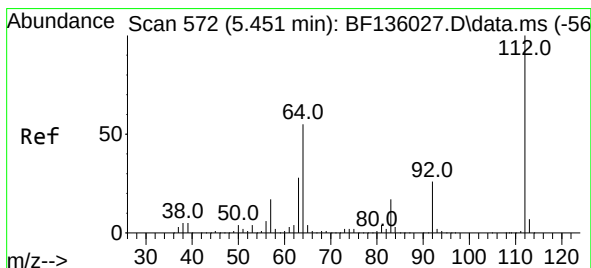
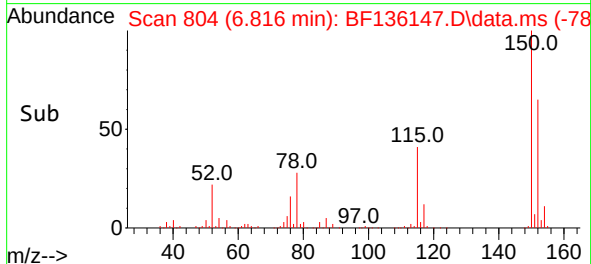
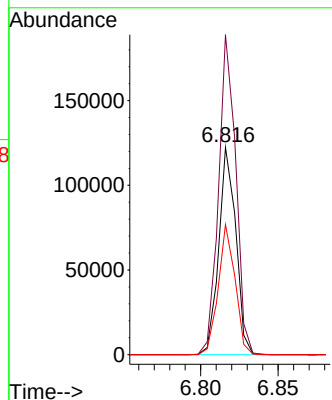
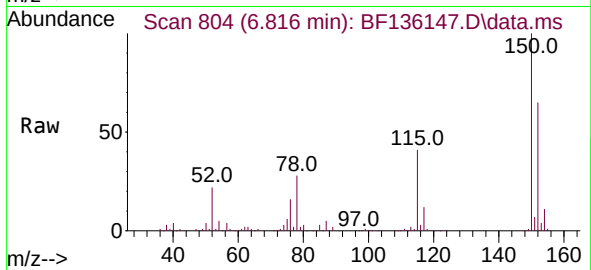




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

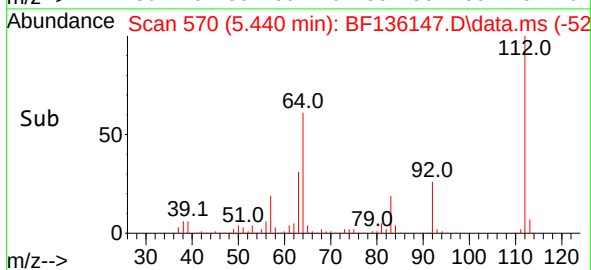
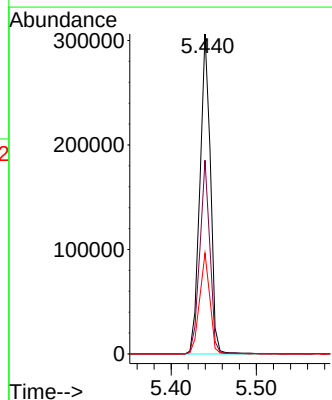
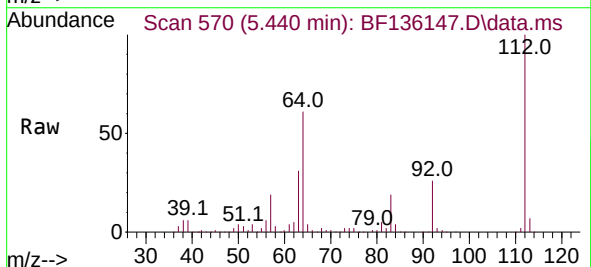
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

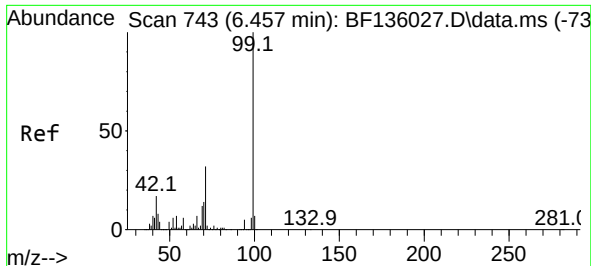
Tgt Ion:152 Resp: 93808
Ion Ratio Lower Upper
152 100
150 154.3 126.4 189.6
115 62.7 47.0 70.4



#5
2-Fluorophenol
Concen: 44.222 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

Tgt Ion:112 Resp: 263992
Ion Ratio Lower Upper
112 100
64 60.6 43.9 65.9
63 31.5 22.4 33.6

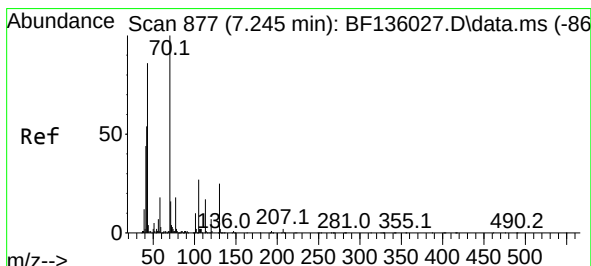
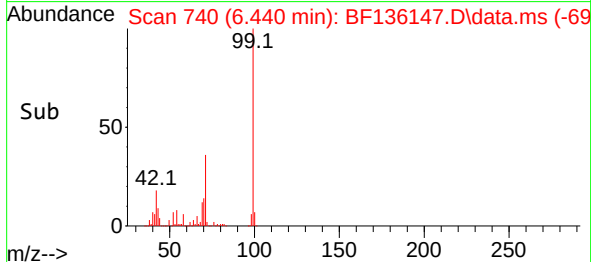
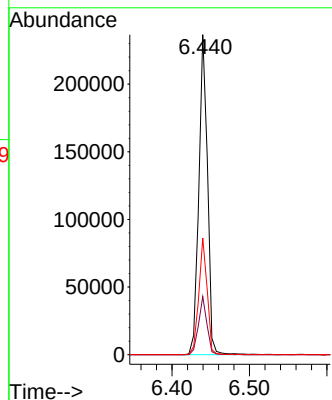
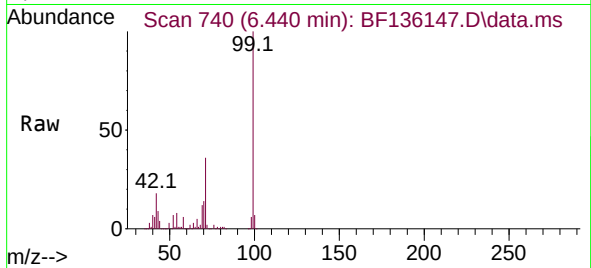




#7
Phenol-d6
Concen: 24.660 ng
RT: 6.440 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

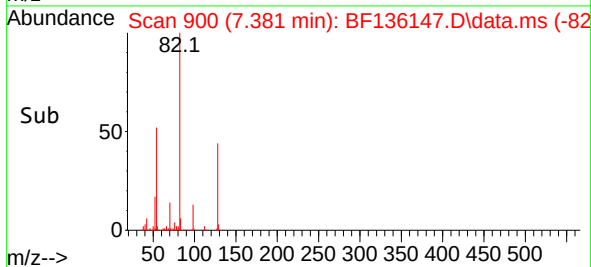
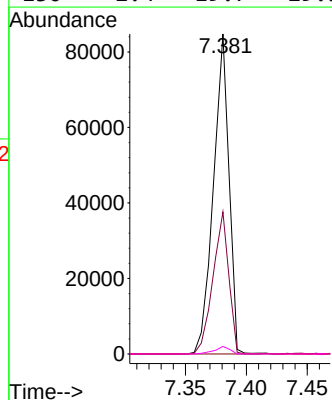
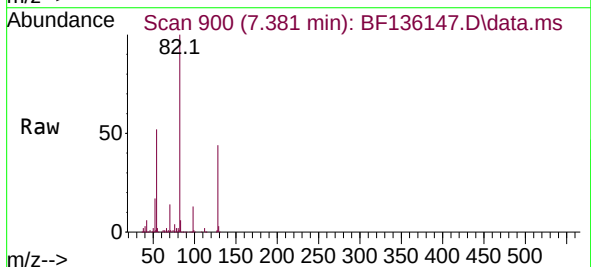
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

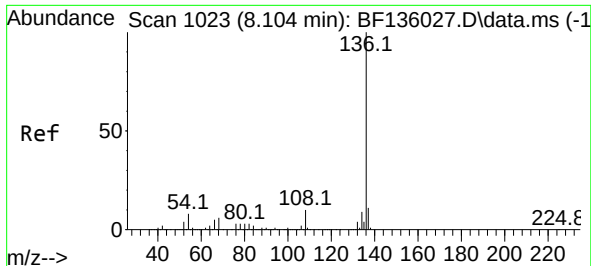
Tgt Ion: 99 Resp: 183421
Ion Ratio Lower Upper
99 100
42 18.1 13.7 20.5
71 36.5 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.660 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

Tgt Ion: 70 Resp: 75053
Ion Ratio Lower Upper
70 100
42 44.4 43.0 64.4
101 0.0 8.0 12.0#
130 2.4 19.7 29.5#

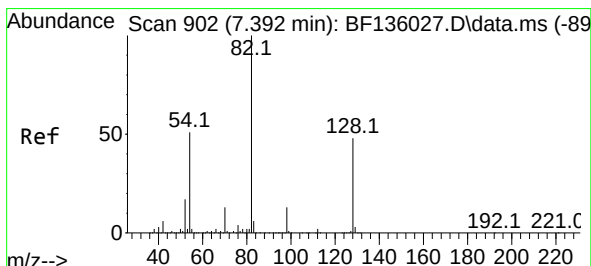
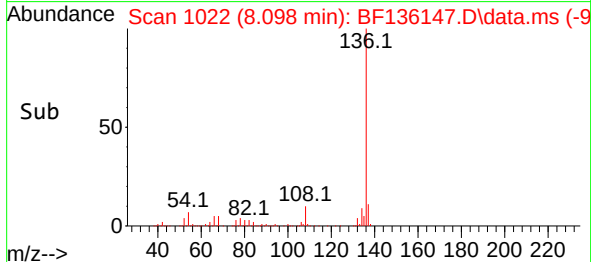
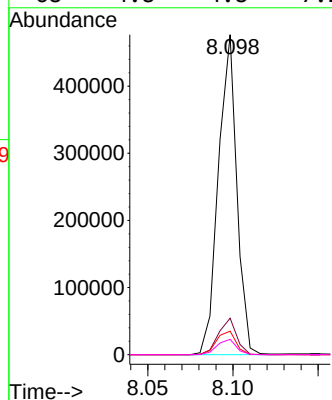
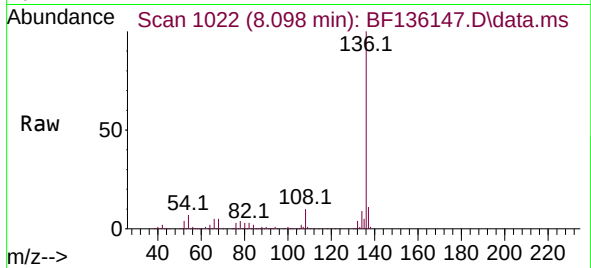




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

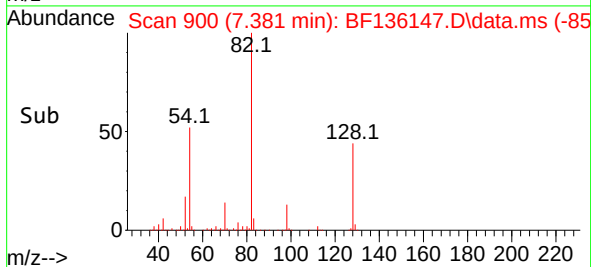
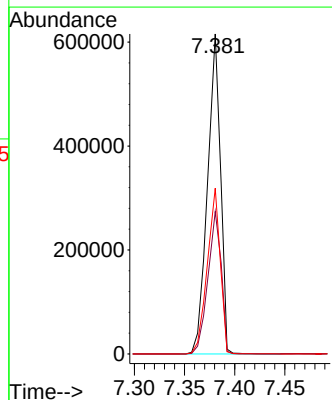
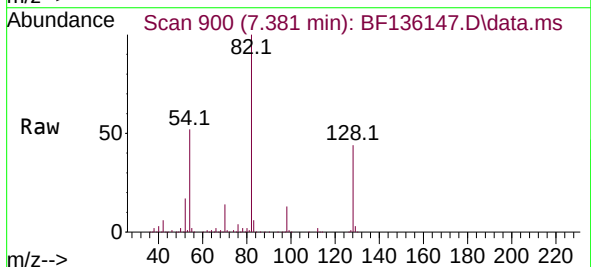
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

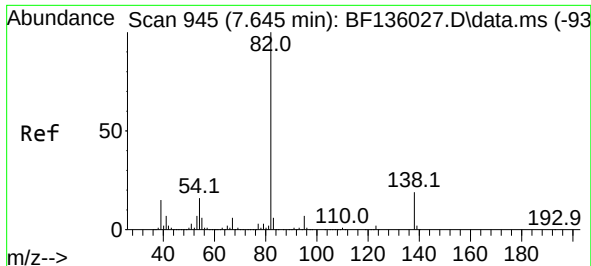
Tgt Ion:136	Resp: 359198
Ion Ratio	Lower Upper
136	100
137	11.4 8.6 13.0
54	7.4 6.6 9.8
68	4.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 93.884 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

Tgt Ion: 82	Resp: 559415
Ion Ratio	Lower Upper
82	100
128	44.5 38.6 57.8
54	51.8 40.8 61.2

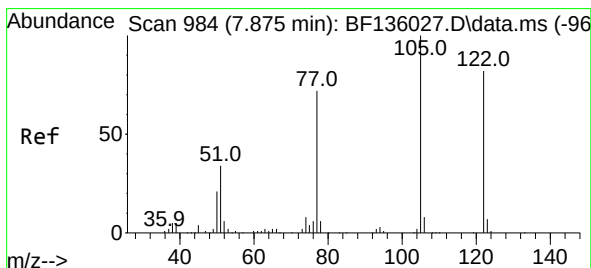
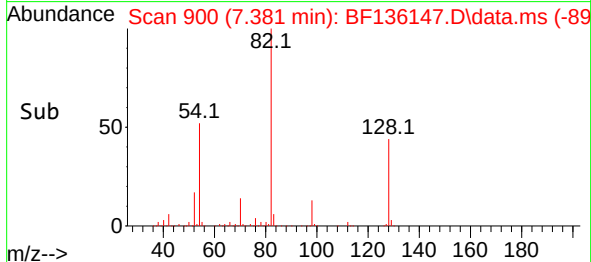
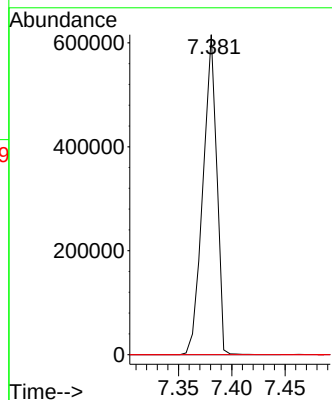
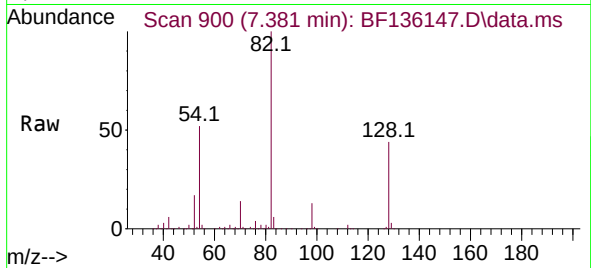




#25
Isophorone
Concen: 49.737 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

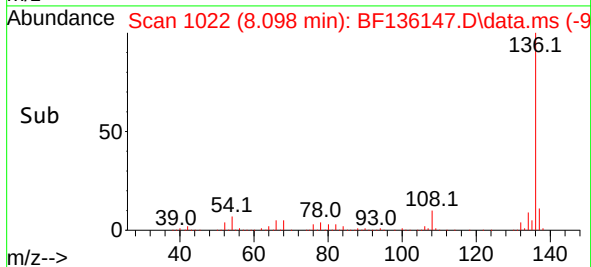
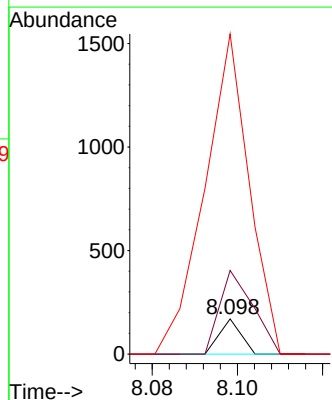
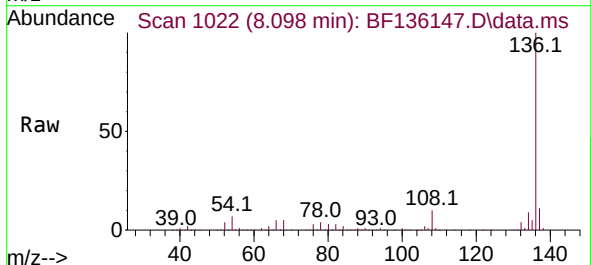
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

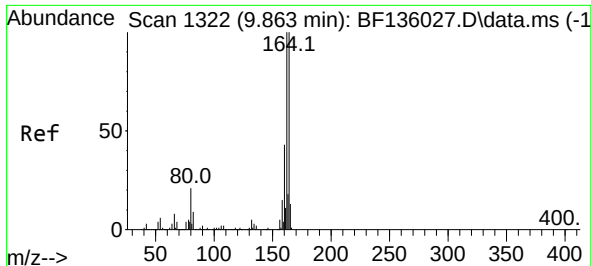
Tgt Ion: 82 Resp: 559502
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.127 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.230 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

Tgt Ion: 122 Resp: 60
Ion Ratio Lower Upper
122 100
105 237.6 99.5 139.5#
77 909.4 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

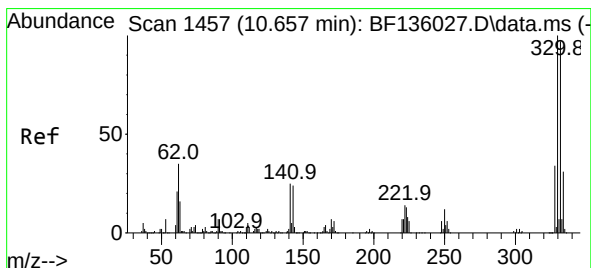
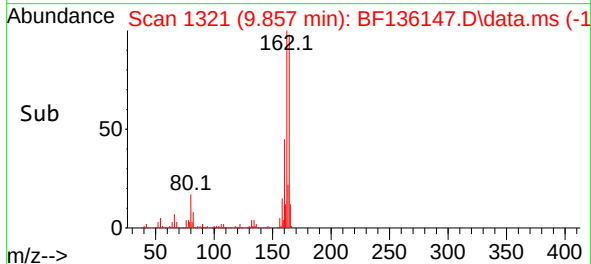
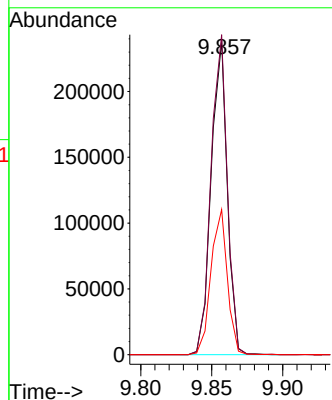
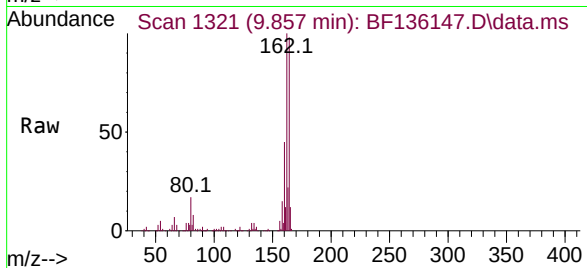
Tgt Ion:164 Resp: 187576

Ion Ratio Lower Upper

164 100

162 102.0 80.1 120.1

160 46.2 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 131.363 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

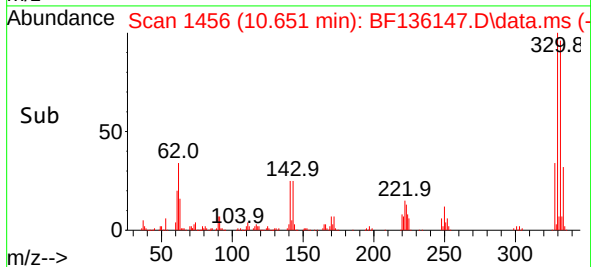
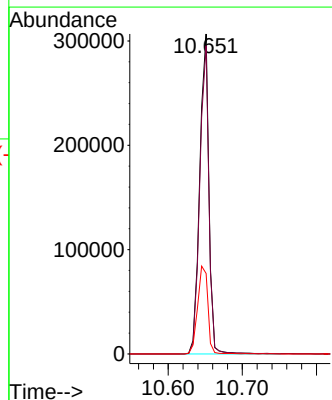
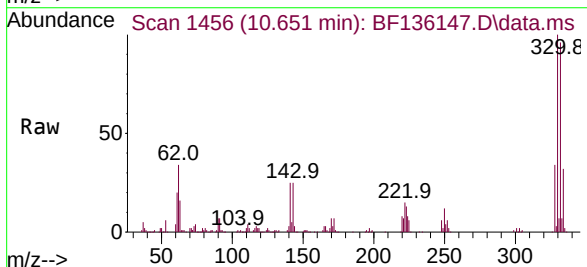
Tgt Ion:330 Resp: 263007

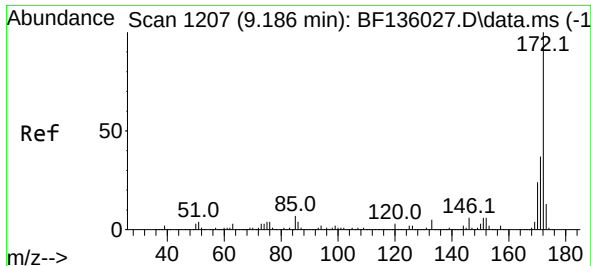
Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

141 30.6 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 93.792 ng

RT: 9.181 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

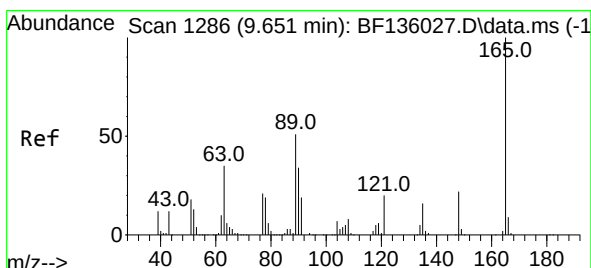
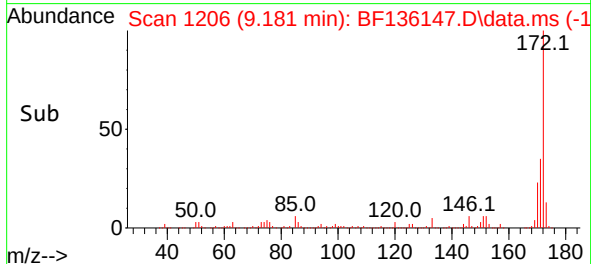
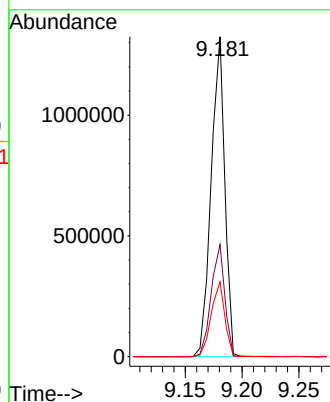
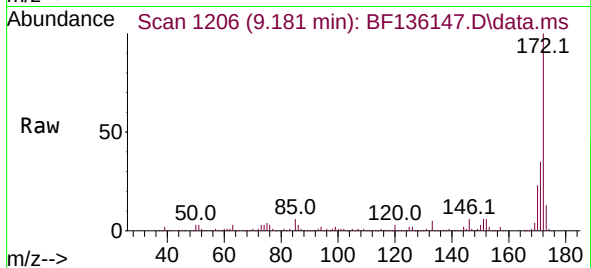
Tgt Ion:172 Resp: 1103643

Ion Ratio Lower Upper

172 100

171 35.0 29.4 44.0

170 23.3 19.3 28.9



#51

2,6-Dinitrotoluene

Concen: 9.195 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.212 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

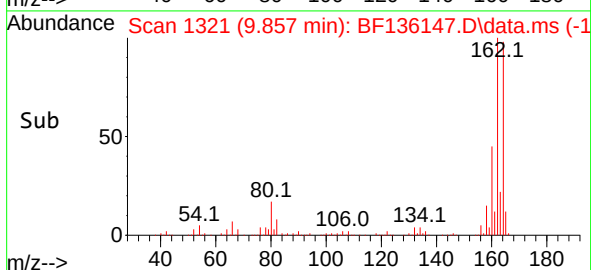
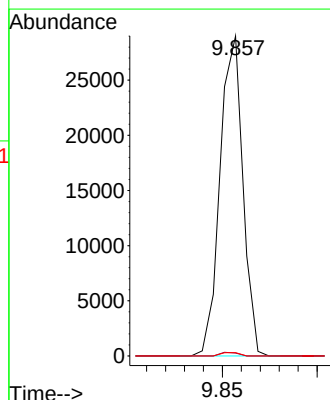
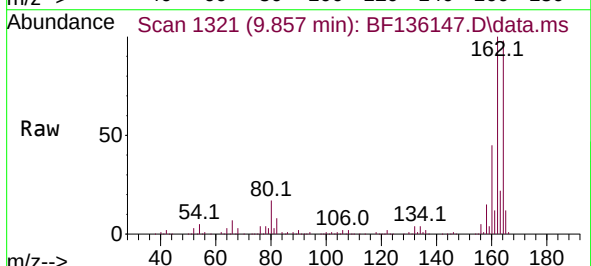
Tgt Ion:165 Resp: 24333

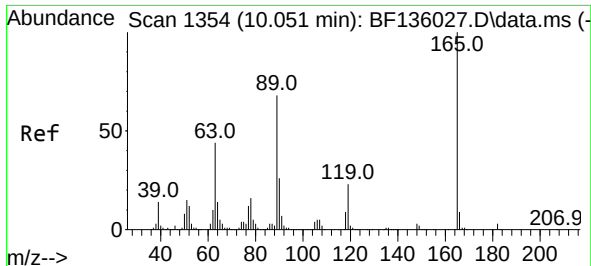
Ion Ratio Lower Upper

165 100

63 0.9 40.8 61.2#

89 1.0 41.1 61.7#

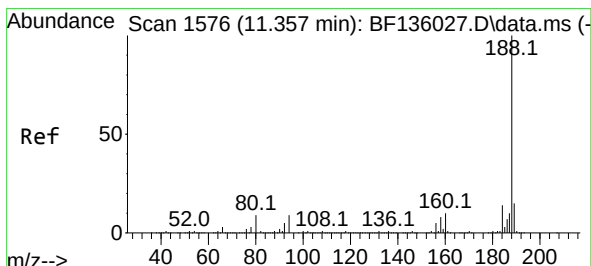
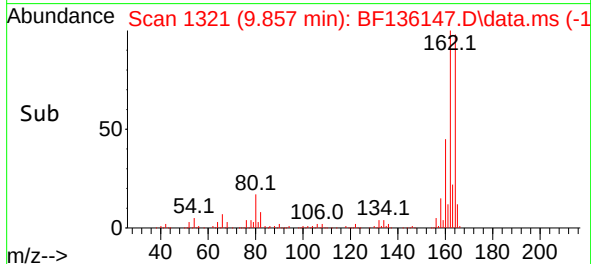
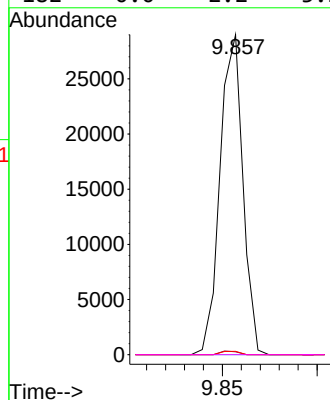
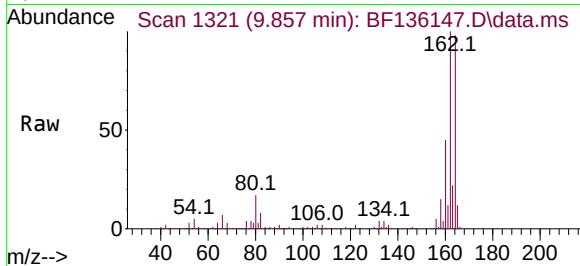




#57
2,4-Dinitrotoluene
Concen: 7.268 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

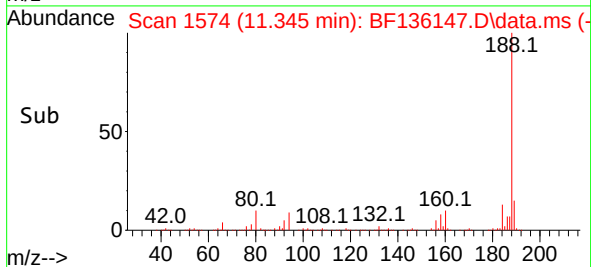
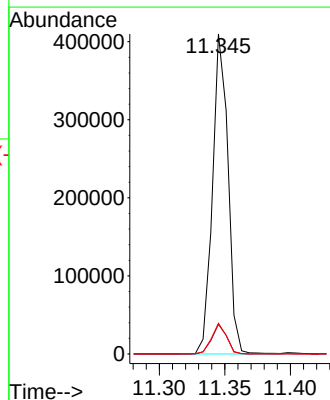
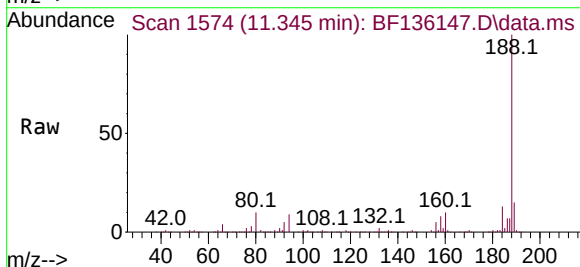
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

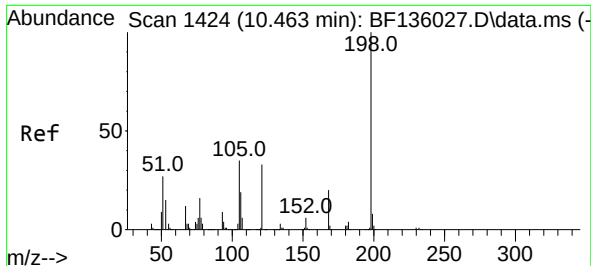
Tgt Ion:165 Resp: 24333
Ion Ratio Lower Upper
165 100
63 0.9 35.2 52.8#
89 1.0 54.8 82.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136147.D
Acq: 04 Nov 2023 14:27

Tgt Ion:188 Resp: 337216
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 9.6 7.4 11.0





#65

4,6-Dinitro-2-methylphenol

Concen: 6.044 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.194 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

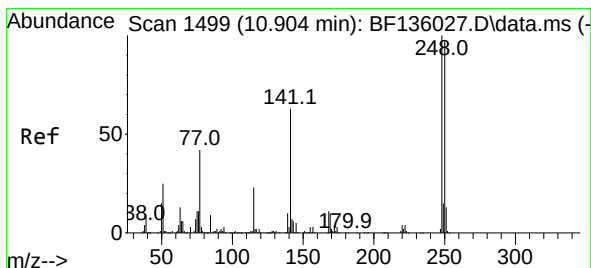
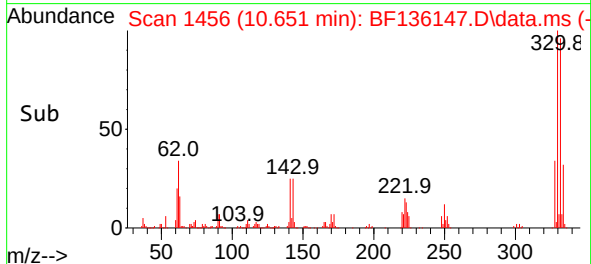
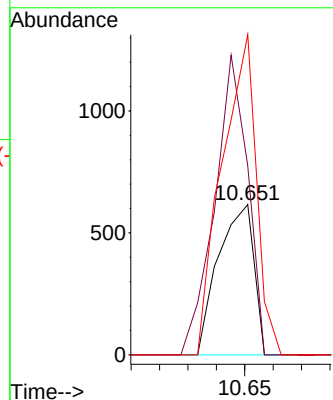
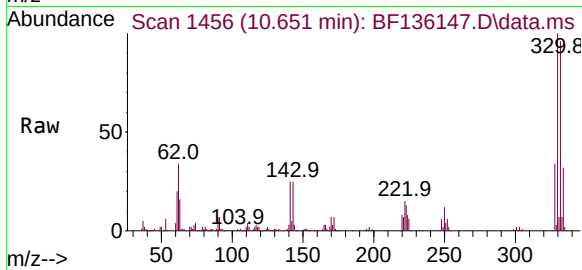
Tgt Ion:198 Resp: 533

Ion Ratio Lower Upper

198 100

51 125.8 12.9 52.9#

105 213.1 16.0 56.0#



#67

4-Bromophenyl-phenylether

Concen: 4.879 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.247 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

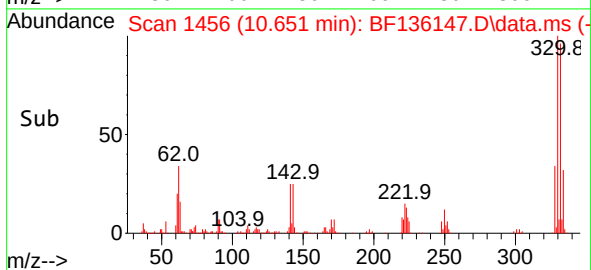
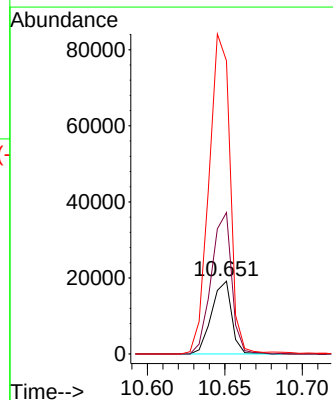
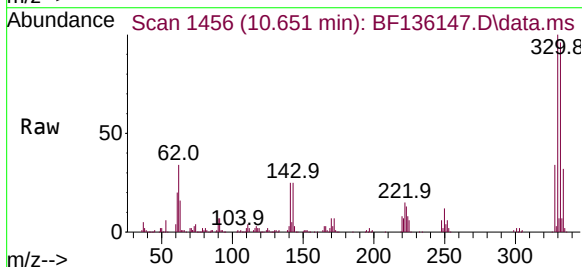
Tgt Ion:248 Resp: 17251

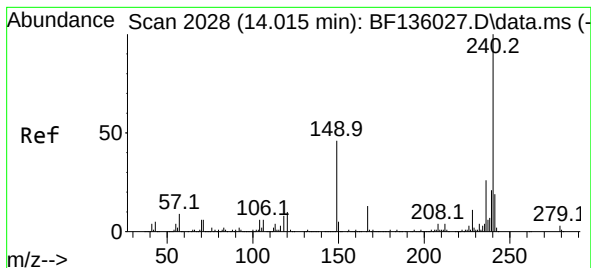
Ion Ratio Lower Upper

248 100

250 194.2 77.6 116.4#

141 402.3 50.4 75.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

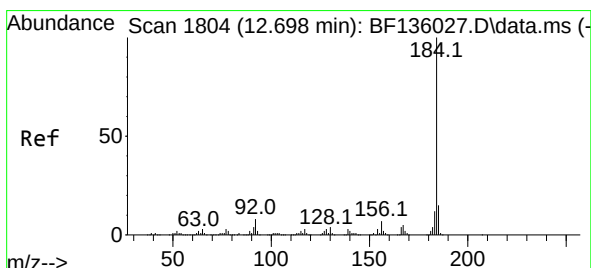
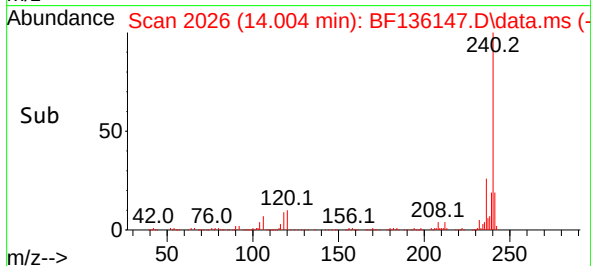
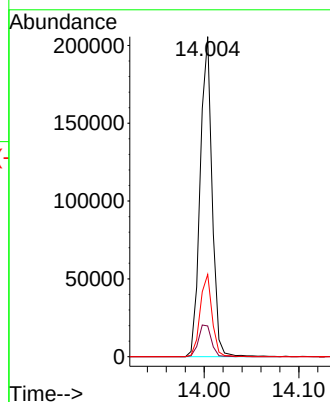
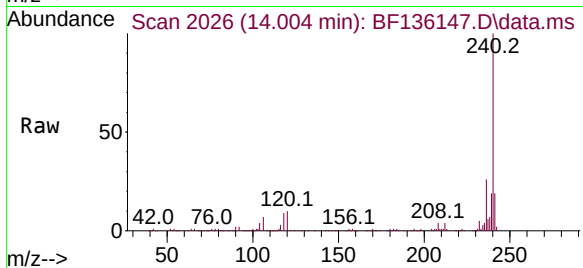
Tgt Ion:240 Resp: 180327

Ion Ratio Lower Upper

240 100

120 9.6 7.6 11.4

236 25.7 20.6 31.0



#77

Benzidine

Concen: 3.512 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF136147.D

Acq: 04 Nov 2023 14:27

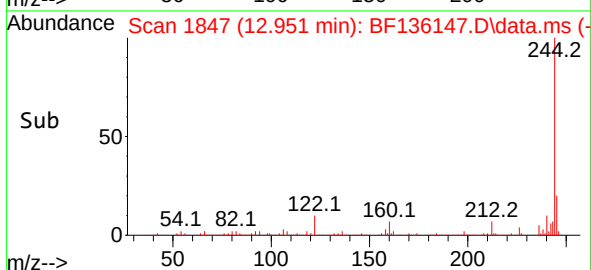
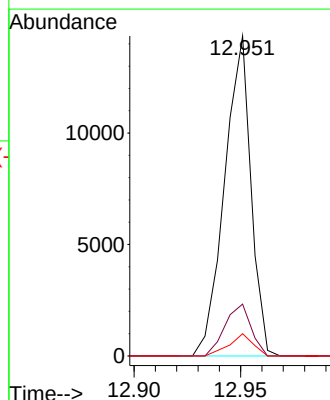
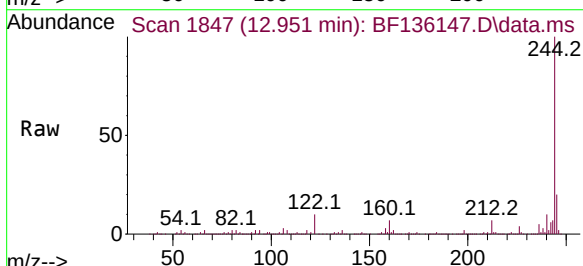
Tgt Ion:184 Resp: 12344

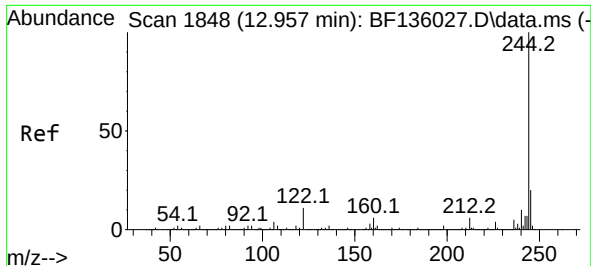
Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.8

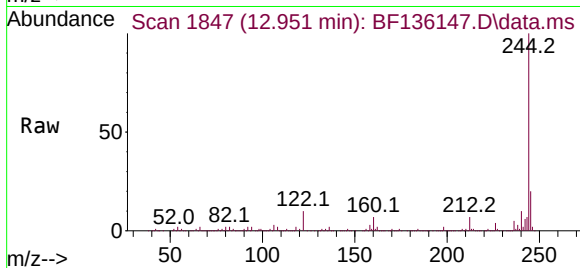
183 6.9 9.5 14.3#





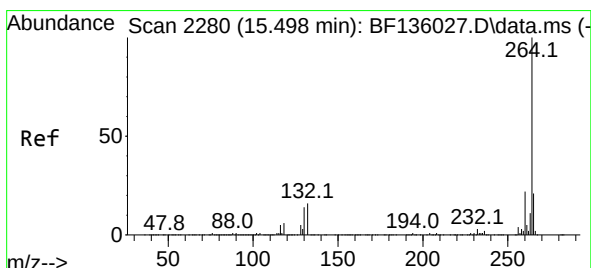
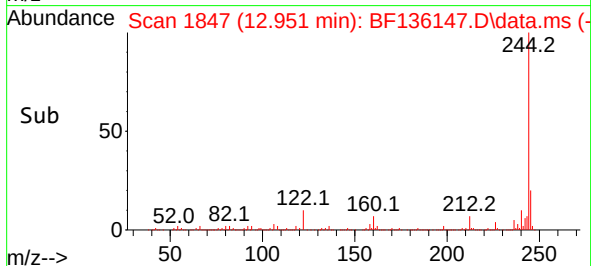
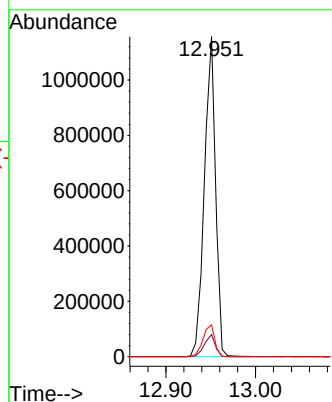
#79
 Terphenyl-d14
 Concen: 86.265 ng
 RT: 12.951 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136147.D
 Acq: 04 Nov 2023 14:27

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040EC



Tgt Ion:244 Resp: 1001009

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.1	7.7
122	9.9	8.6	12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2279
 Delta R.T. 0.000 min
 Lab File: BF136147.D
 Acq: 04 Nov 2023 14:27

Tgt Ion:264 Resp: 239584

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	20.8	16.8	25.2

