

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011723\
 Data File : BF132101.D
 Acq On : 17 Jan 2023 19:03
 Operator : CG\JU
 Sample : PB150222TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB150222TB

Quant Time: Jan 18 05:47:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 18 00:47:03 2023
 Response via : Initial Calibration

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

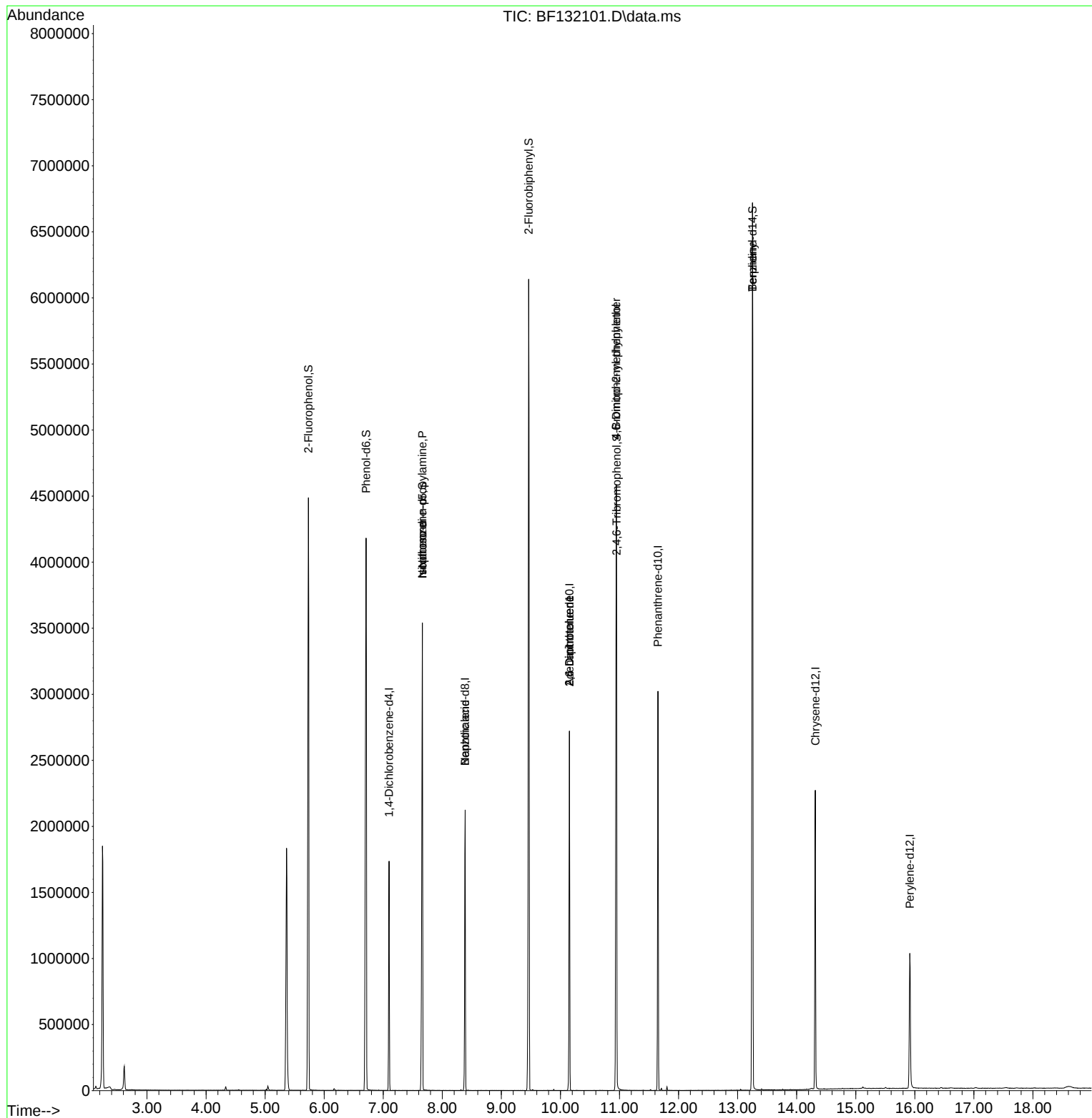
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.098	152	233840	20.000	ng	0.00
21) Naphthalene-d8	8.386	136	883467	20.000	ng	0.00
39) Acenaphthene-d10	10.151	164	504154	20.000	ng	0.00
64) Phenanthrene-d10	11.651	188	1040146	20.000	ng	0.00
76) Chrysene-d12	14.315	240	755335	20.000	ng	0.00
86) Perylene-d12	15.915	264	527576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.734	112	1364952	104.446	ng	0.01
7) Phenol-d6	6.710	99	1805535	107.109	ng	0.00
23) Nitrobenzene-d5	7.663	82	1236621	78.260	ng	0.00
42) 2,4,6-Tribromophenol	10.951	330	590127	115.638	ng	0.00
45) 2-Fluorobiphenyl	9.463	172	2021359	60.052	ng	0.00
79) Terphenyl-d14	13.251	244	2740582	61.162	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.663	70	169173	15.757	ng	# 78
25) Isophorone	7.663	82	1230622	36.565	ng	# 66
32) Benzoic acid	8.386	122	265	7.029	ng	# 1
51) 2,6-Dinitrotoluene	10.151	165	64822	9.331	ng	# 21
57) 2,4-Dinitrotoluene	10.151	165	64822	7.658	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.945	198	1740	5.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.945	248	37394	3.212	ng	# 1
77) Benzidine	13.251	184	48823	2.462	ng	# 92

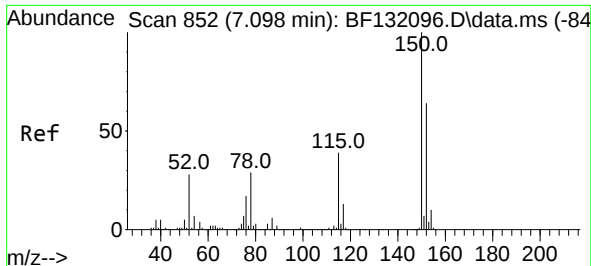
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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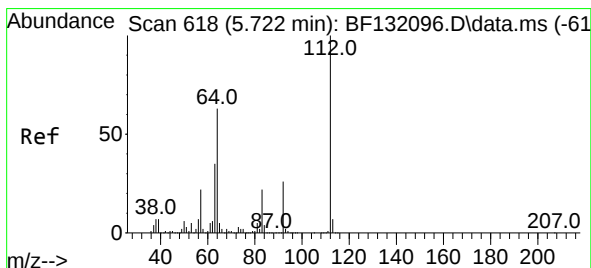
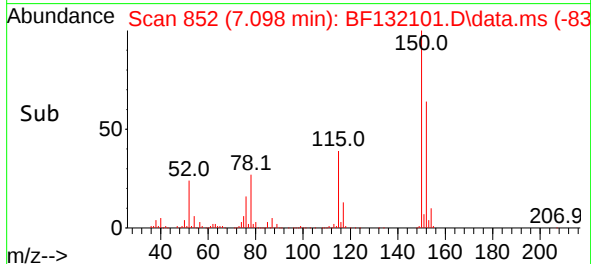
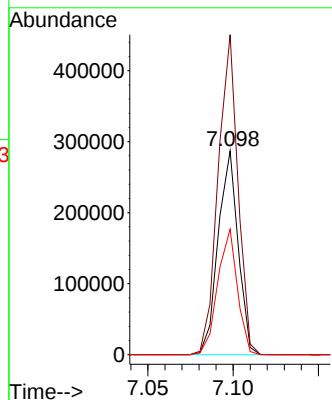
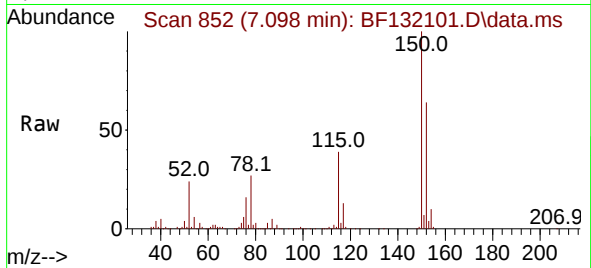




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.098 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF132101.D
 Acq: 17 Jan 2023 19:03

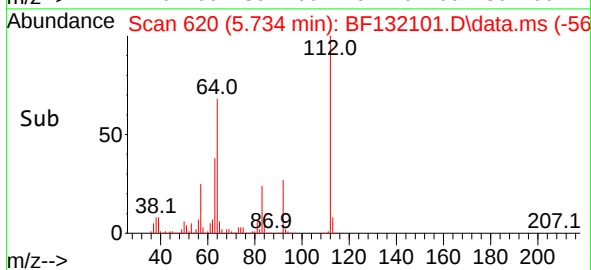
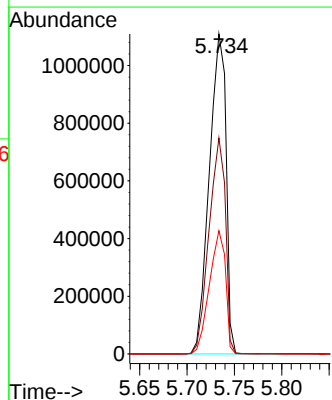
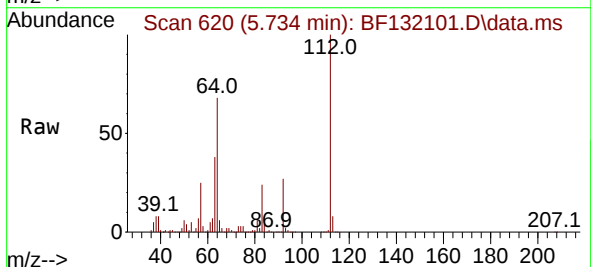
Instrument :
 BNA_F
 ClientSampleId :
 PB150222TB

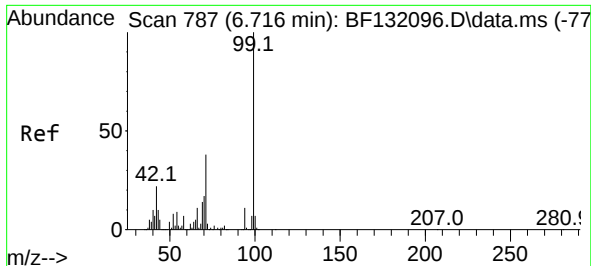
Tgt Ion:152 Resp: 233840
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.7 187.1
 115 61.5 49.1 73.7



#5
 2-Fluorophenol
 Concen: 104.446 ng
 RT: 5.734 min Scan# 620
 Delta R.T. 0.012 min
 Lab File: BF132101.D
 Acq: 17 Jan 2023 19:03

Tgt Ion:112 Resp: 1364952
 Ion Ratio Lower Upper
 112 100
 64 67.5 50.5 75.7
 63 38.5 28.0 42.0

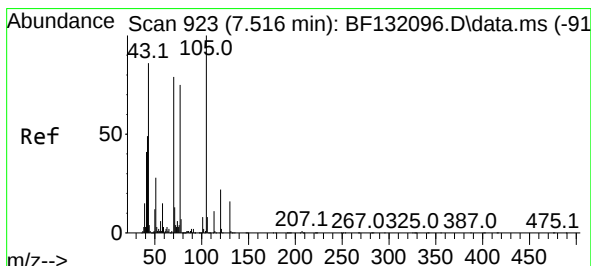
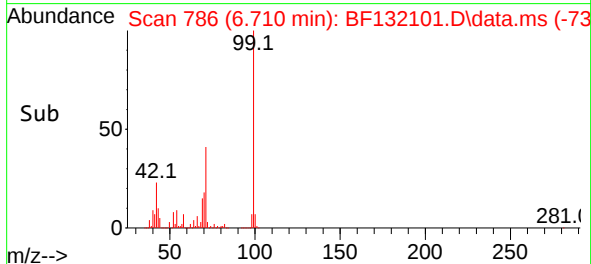
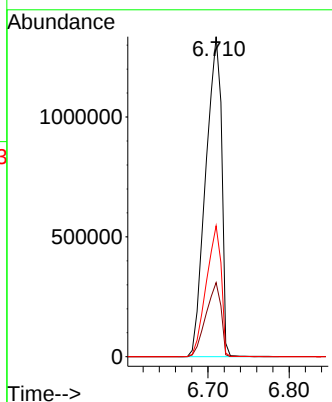
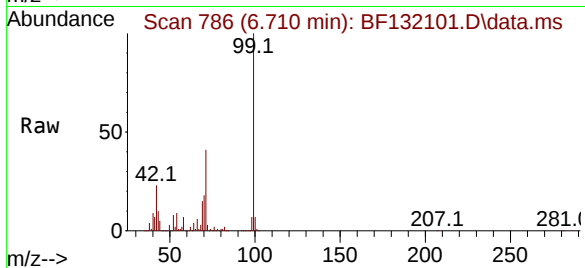




#7
Phenol-d6
Concen: 107.109 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

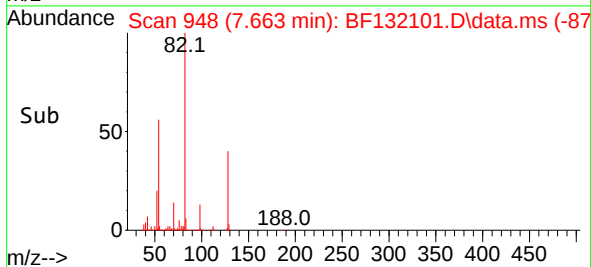
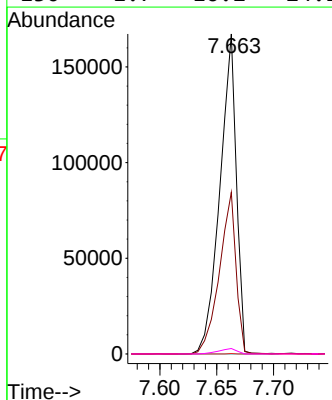
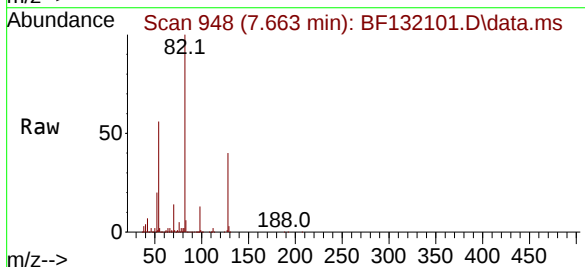
Instrument :
BNA_F
ClientSampleId :
PB150222TB

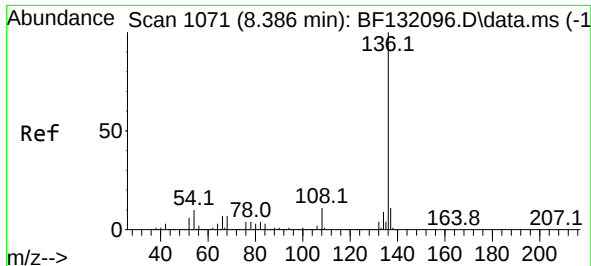
Tgt Ion: 99 Resp: 1805535
Ion Ratio Lower Upper
99 100
42 23.1 17.2 25.8
71 40.9 30.4 45.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.757 ng
RT: 7.663 min Scan# 948
Delta R.T. 0.147 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

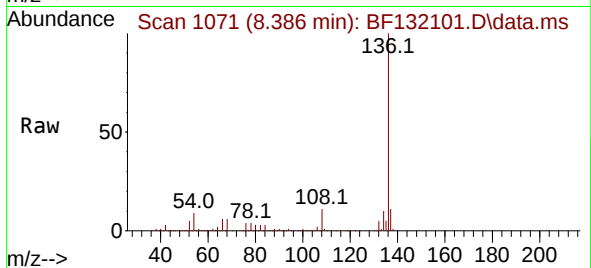
Tgt Ion: 70 Resp: 169173
Ion Ratio Lower Upper
70 100
42 50.5 50.1 75.1
101 0.1 7.8 11.8#
130 1.7 16.2 24.2#





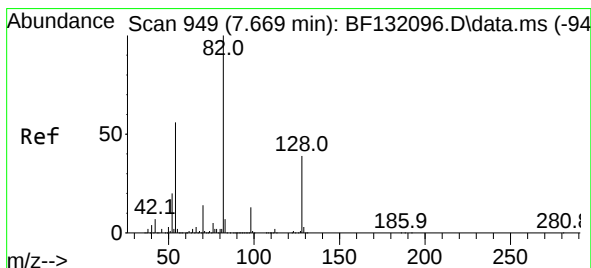
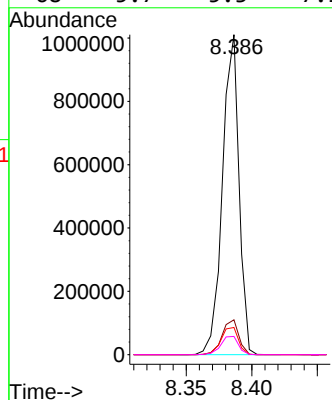
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.386 min Scan# 1071
Delta R.T. -0.000 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

Instrument :
BNA_F
ClientSampleId :
PB150222TB



Tgt Ion:136 Resp: 883467

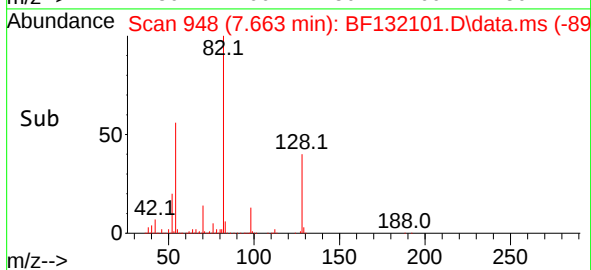
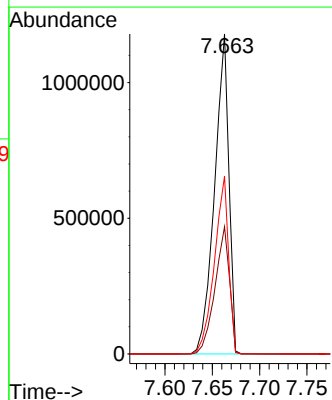
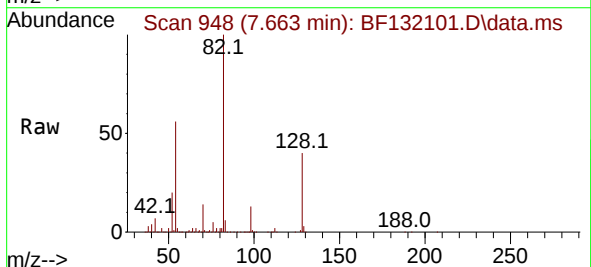
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	8.5	7.9	11.9
68	5.7	5.3	7.9

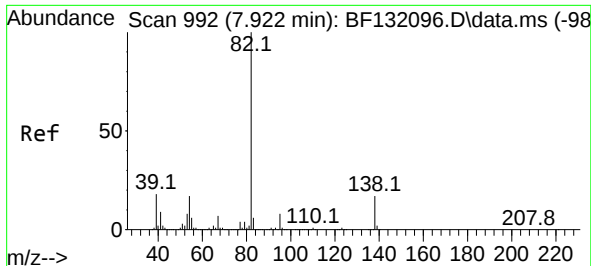


#23
Nitrobenzene-d5
Concen: 78.260 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

Tgt Ion: 82 Resp: 1236621

Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.2	46.8
54	55.6	45.1	67.7

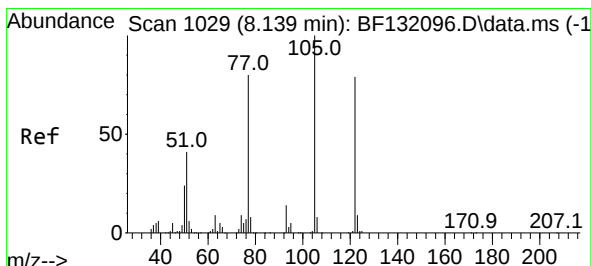
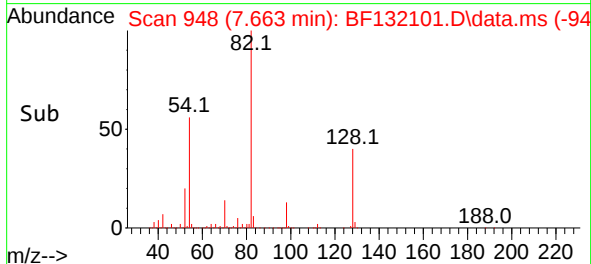
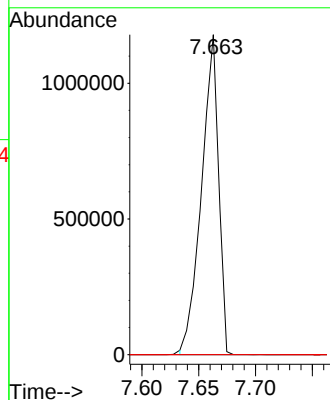
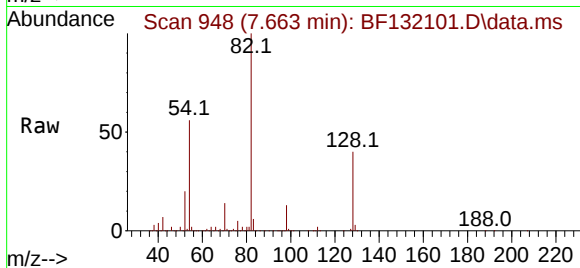




#25
Isophorone
Concen: 36.565 ng
RT: 7.663 min Scan# 94
Delta R.T. -0.259 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

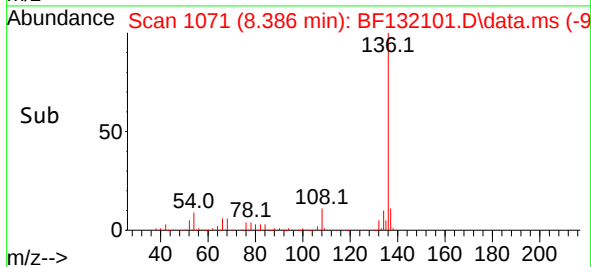
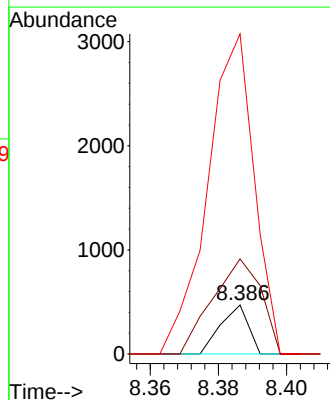
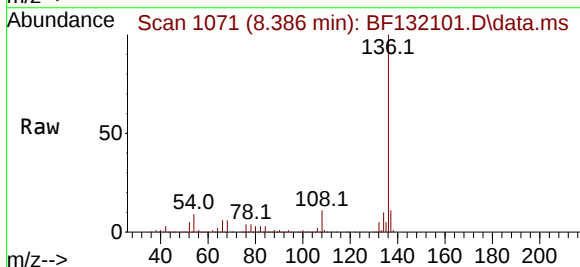
Instrument :
BNA_F
ClientSampleId :
PB150222TB

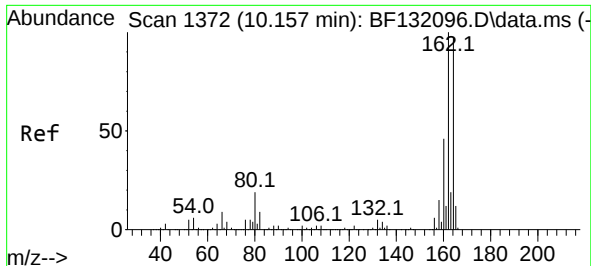
Tgt Ion: 82 Resp: 1230622
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.029 ng
RT: 8.386 min Scan# 1071
Delta R.T. 0.247 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

Tgt Ion:122 Resp: 265
Ion Ratio Lower Upper
122 100
105 193.8 105.0 145.0#
77 652.7 80.1 120.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB150222TB

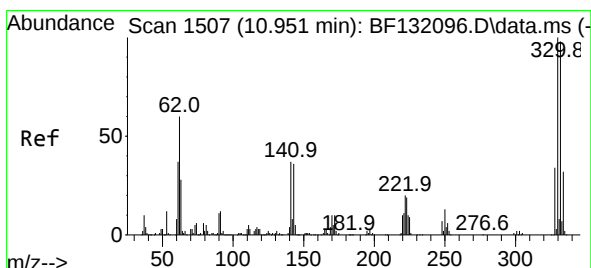
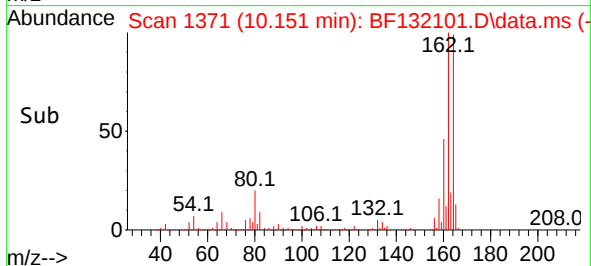
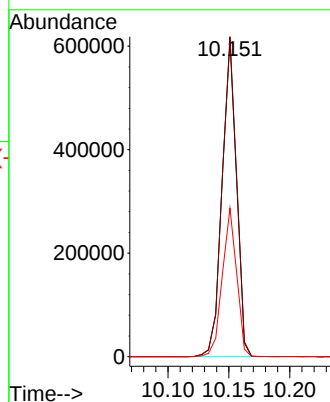
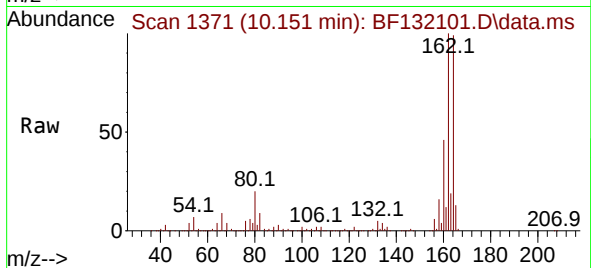
Tgt Ion:164 Resp: 504154

Ion Ratio Lower Upper

164 100

162 101.0 82.5 123.7

160 46.9 38.2 57.2



#42

2,4,6-Tribromophenol

Concen: 115.638 ng

RT: 10.951 min Scan# 1507

Delta R.T. -0.000 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

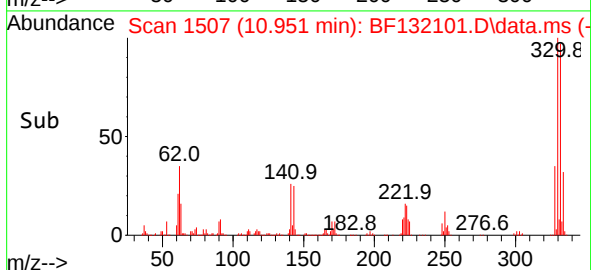
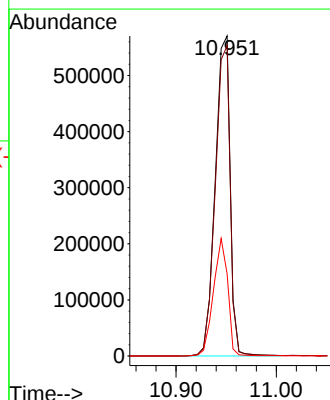
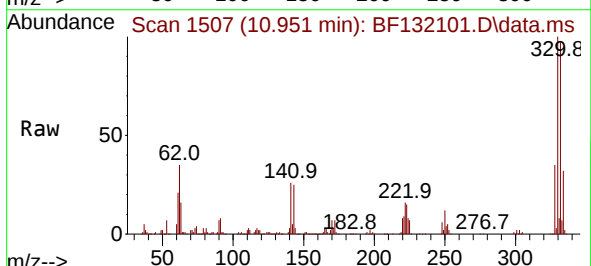
Tgt Ion:330 Resp: 590127

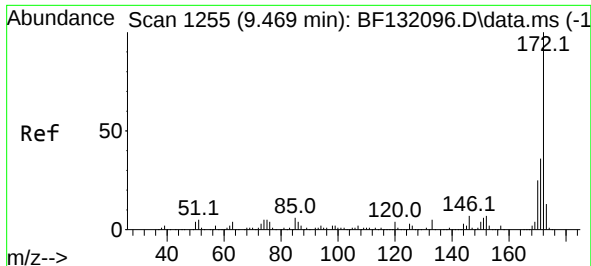
Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 35.4 29.4 44.0





#45

2-Fluorobiphenyl

Concen: 60.052 ng

RT: 9.463 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB150222TB

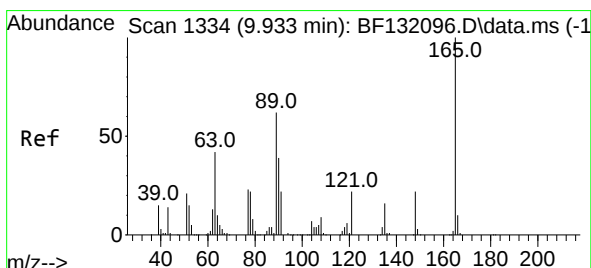
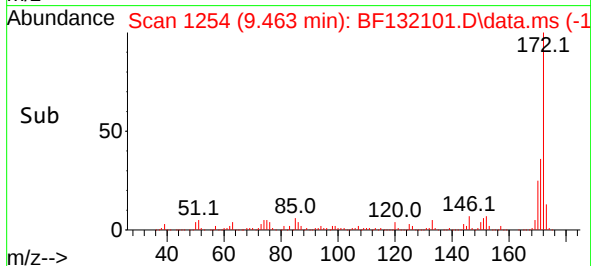
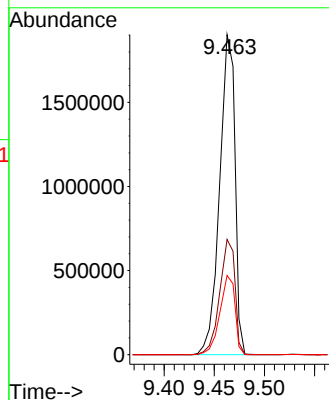
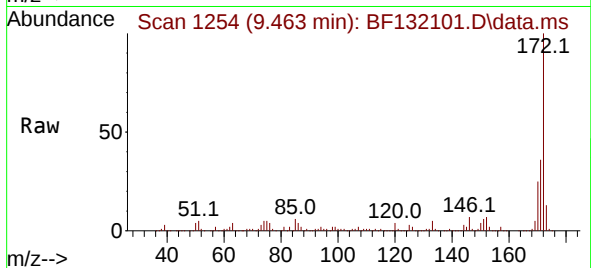
Tgt Ion:172 Resp: 2021359

Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

170 24.8 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 9.331 ng

RT: 10.151 min Scan# 1371

Delta R.T. 0.218 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

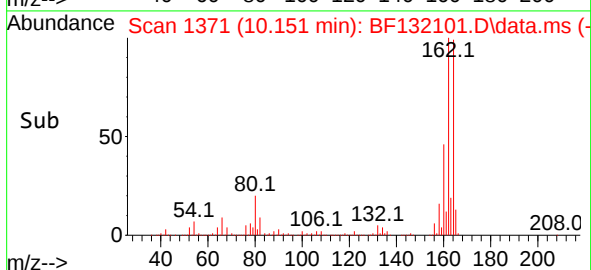
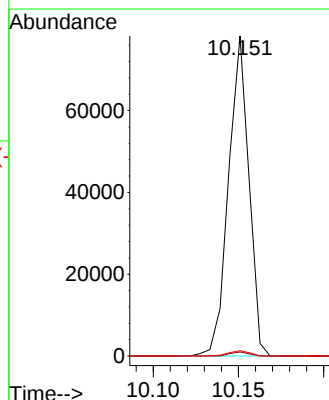
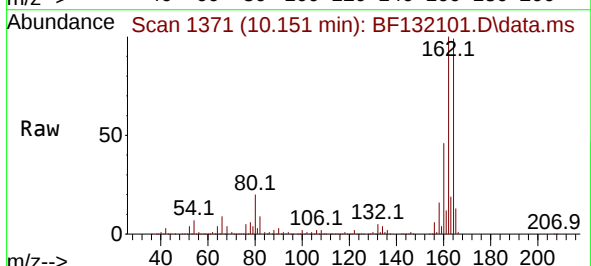
Tgt Ion:165 Resp: 64822

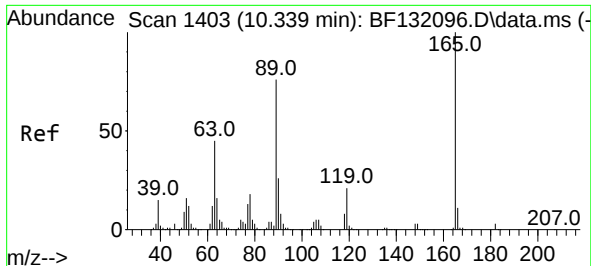
Ion Ratio Lower Upper

165 100

63 1.3 48.7 73.1#

89 1.6 50.0 75.0#

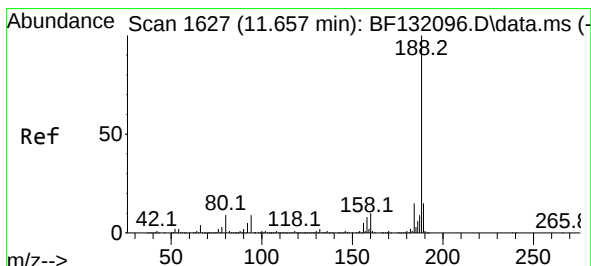
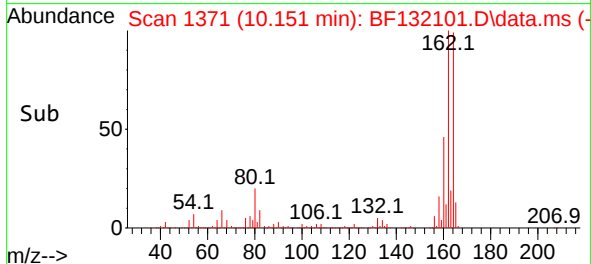
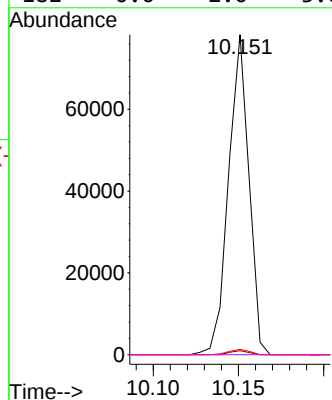
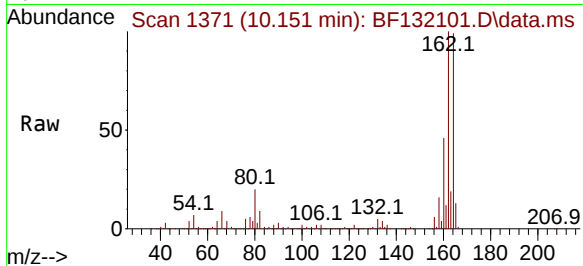




#57
2,4-Dinitrotoluene
Concen: 7.658 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

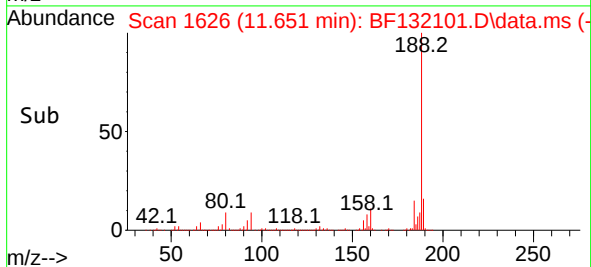
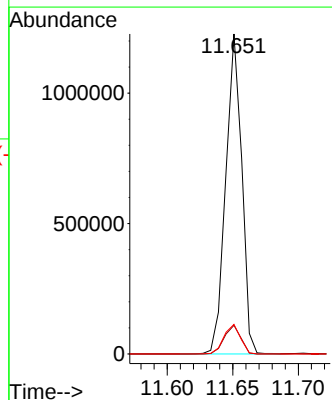
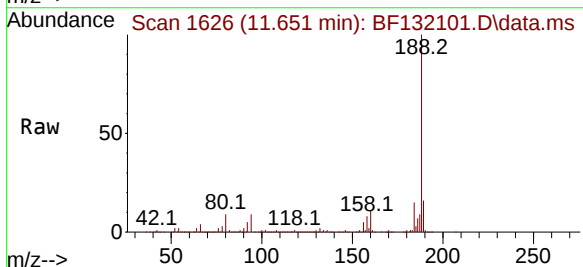
Instrument :
BNA_F
ClientSampleId :
PB150222TB

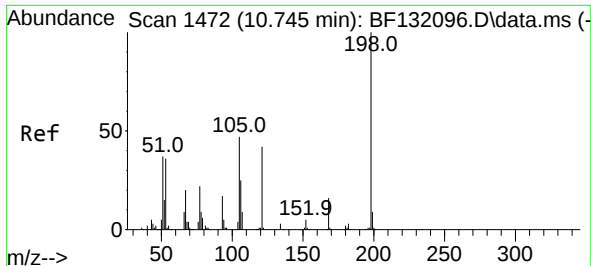
Tgt Ion:165 Resp: 64822
Ion Ratio Lower Upper
165 100
63 1.3 36.1 54.1#
89 1.6 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF132101.D
Acq: 17 Jan 2023 19:03

Tgt Ion:188 Resp: 1040146
Ion Ratio Lower Upper
188 100
94 9.0 7.1 10.7
80 9.3 7.2 10.8





#65

4,6-Dinitro-2-methylphenol

Concen: 5.021 ng

RT: 10.945 min Scan# 1506

Delta R.T. 0.200 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB150222TB

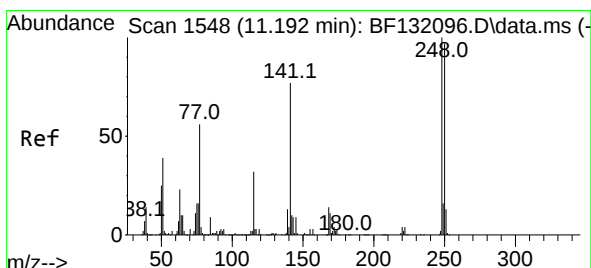
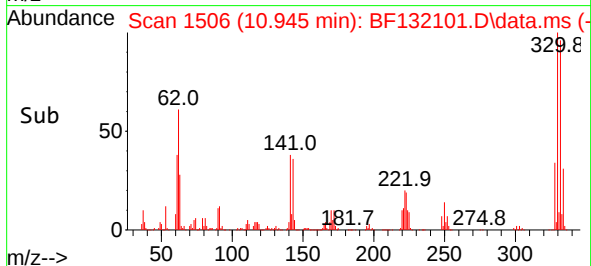
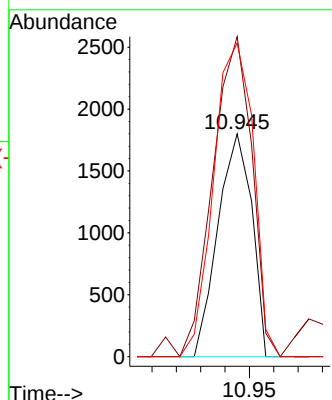
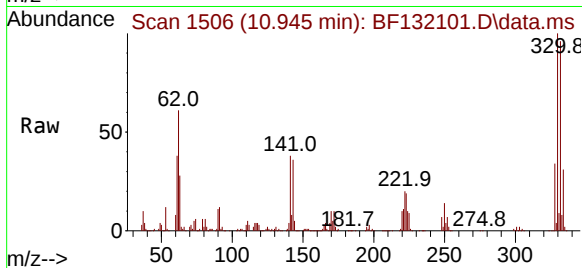
Tgt Ion:198 Resp: 1740

Ion Ratio Lower Upper

198 100

51 143.5 35.7 75.7#

105 140.6 28.0 68.0#



#67

4-Bromophenyl-phenylether

Concen: 3.212 ng

RT: 10.945 min Scan# 1506

Delta R.T. -0.247 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

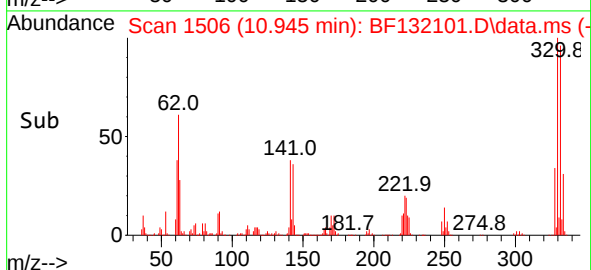
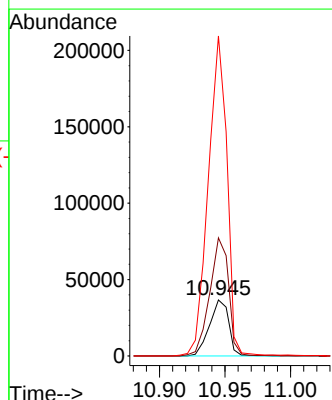
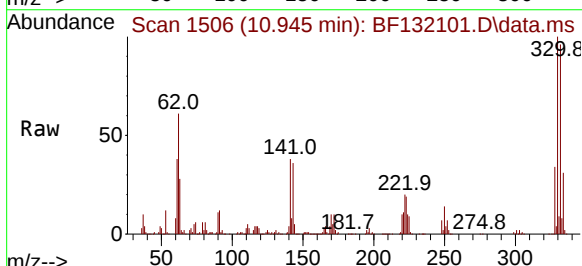
Tgt Ion:248 Resp: 37394

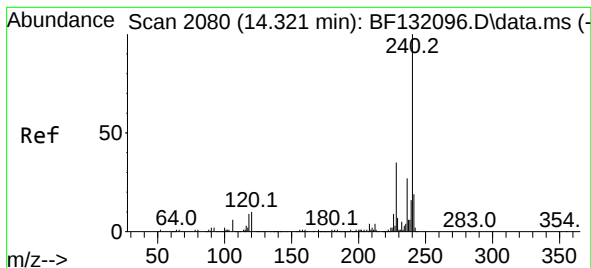
Ion Ratio Lower Upper

248 100

250 211.2 77.8 116.8#

141 572.1 61.8 92.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.315 min Scan# 2080

Delta R.T. -0.006 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB150222TB

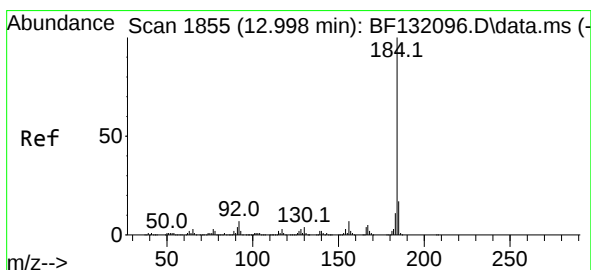
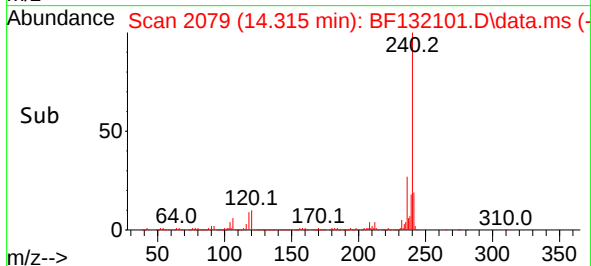
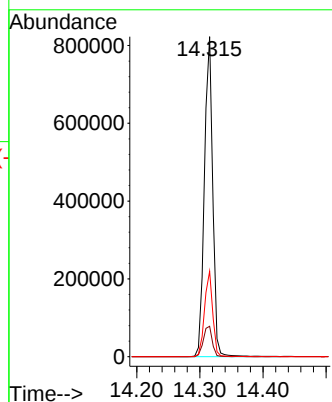
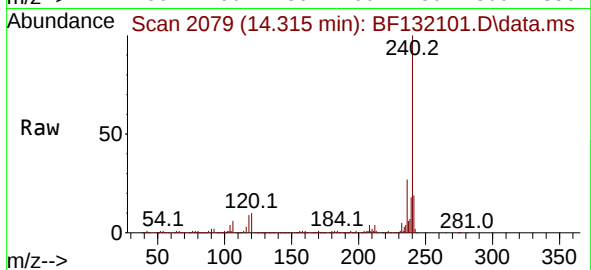
Tgt Ion:240 Resp: 755335

Ion Ratio Lower Upper

240 100

120 9.5 7.8 11.8

236 26.7 21.3 31.9



#77

Benzidine

Concen: 2.462 ng

RT: 13.251 min Scan# 1898

Delta R.T. 0.253 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

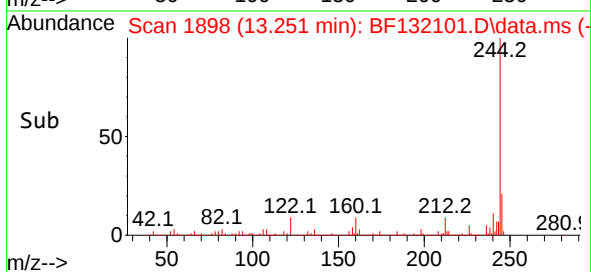
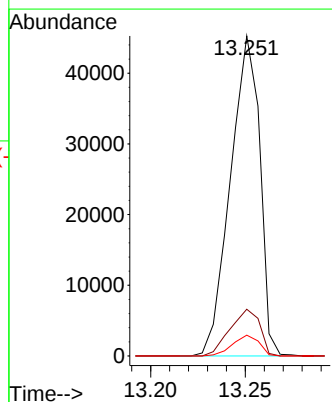
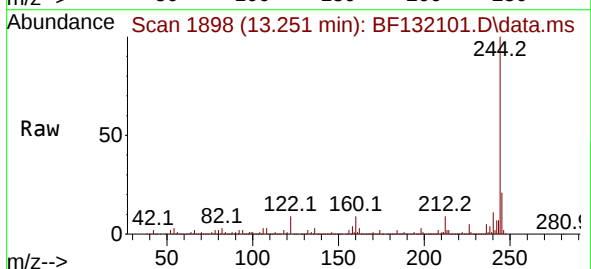
Tgt Ion:184 Resp: 48823

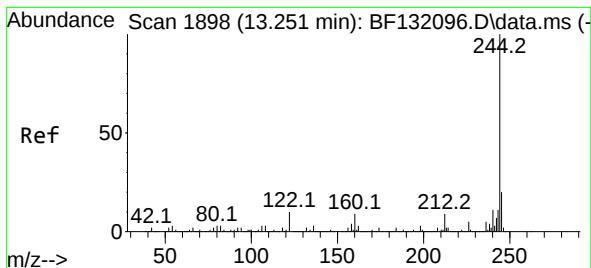
Ion Ratio Lower Upper

184 100

185 14.6 13.3 19.9

183 6.5 8.9 13.3#





#79

Terphenyl-d14

Concen: 61.162 ng

RT: 13.251 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB150222TB

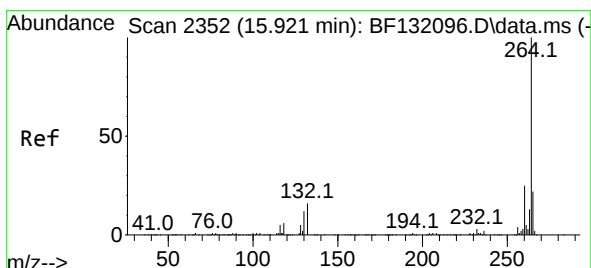
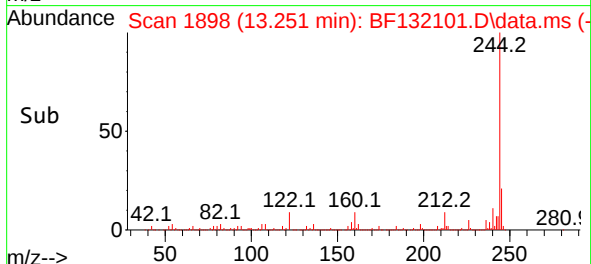
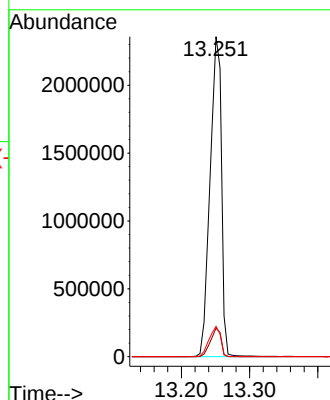
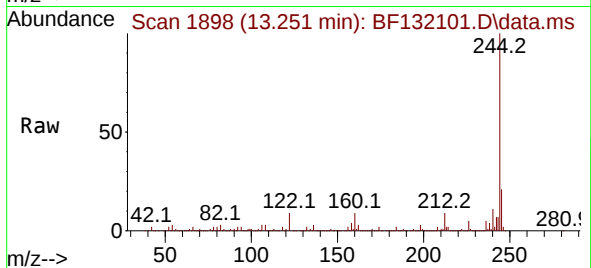
Tgt Ion:244 Resp: 2740582

Ion Ratio Lower Upper

244 100

212 8.9 7.1 10.7

122 9.5 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.915 min Scan# 2351

Delta R.T. -0.006 min

Lab File: BF132101.D

Acq: 17 Jan 2023 19:03

Tgt Ion:264 Resp: 527576

Ion Ratio Lower Upper

264 100

260 23.3 19.7 29.5

265 22.3 17.3 25.9

