

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030823\
 Data File : BF132691.D
 Acq On : 08 Mar 2023 15:38
 Operator : CG\JU
 Sample : 01829-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-03-20230306

Quant Time: Mar 09 00:37:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

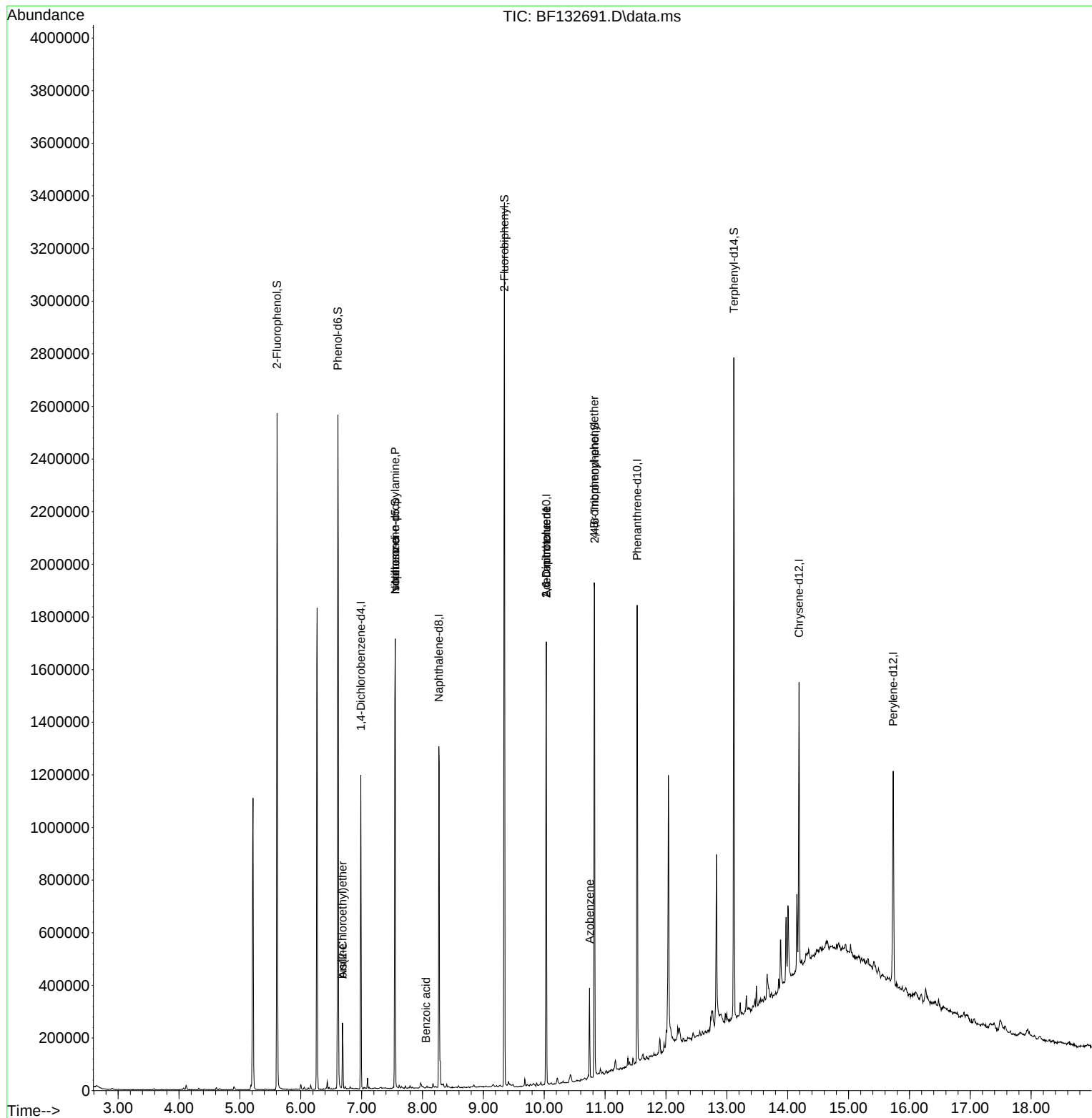
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.986	152	158153	20.000	ng	0.00
21) Naphthalene-d8	8.269	136	569881	20.000	ng	-0.01
39) Acenaphthene-d10	10.033	164	334583	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	618839	20.000	ng	0.00
76) Chrysene-d12	14.186	240	358295	20.000	ng	-0.01
86) Perylene-d12	15.733	264	397329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	716274	73.504	ng	0.00
7) Phenol-d6	6.610	99	911904	71.704	ng	-0.01
23) Nitrobenzene-d5	7.551	82	536367	44.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.827	330	239966	66.411	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	948303	43.157	ng	-0.01
79) Terphenyl-d14	13.115	244	901017	42.518	ng	-0.01
Target Compounds						
					Qvalue	
6) Aniline	6.686	93	49500	2.892	ng	# 49
11) bis(2-Chloroethyl)ether	6.686	93	49500	4.398	ng	# 21
19) n-Nitroso-di-n-propyla...	7.551	70	68740	8.783	ng	# 77
25) Isophorone	7.551	82	536278	23.287	ng	# 67
32) Benzoic acid	8.057	122	135	3.854	ng	# 31
51) 2,6-Dinitrotoluene	10.033	165	44313	7.987	ng	# 23
57) 2,4-Dinitrotoluene	10.033	165	44313	6.004	ng	# 21
63) Azobenzene	10.745	77	55329	2.196	ng	# 1
67) 4-Bromophenyl-phenylether	10.822	248	15645	2.235	ng	# 1

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

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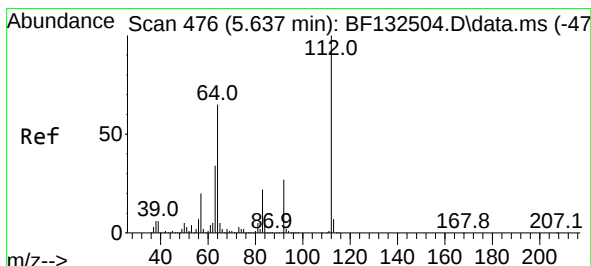
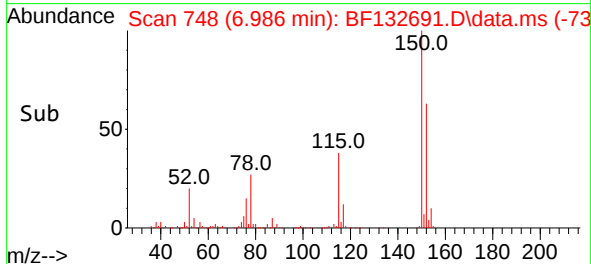
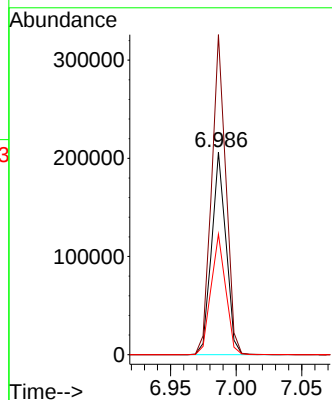
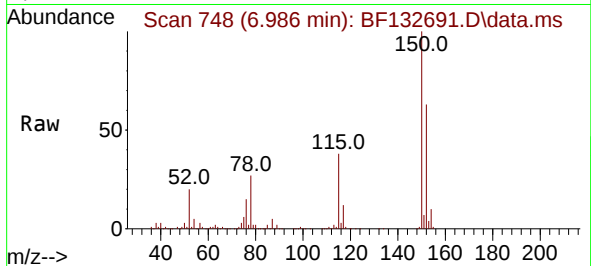




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.986 min Scan# 710
Delta R.T. -0.007 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

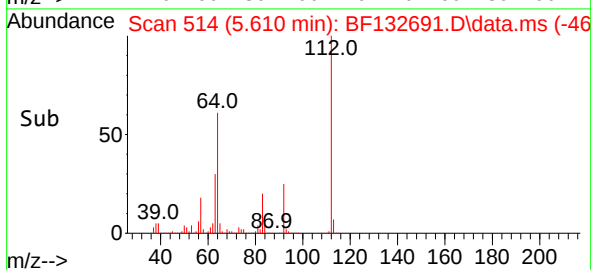
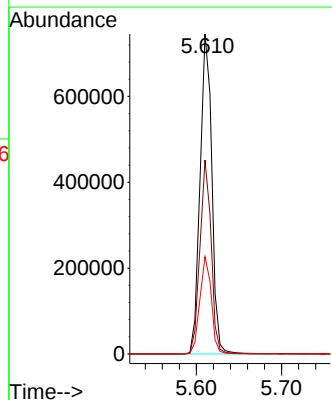
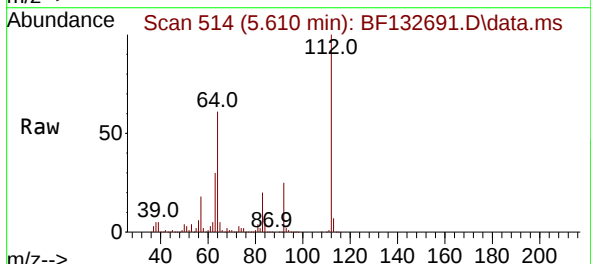
Instrument :
BNA_F
ClientSampleId :
SS-03-20230306

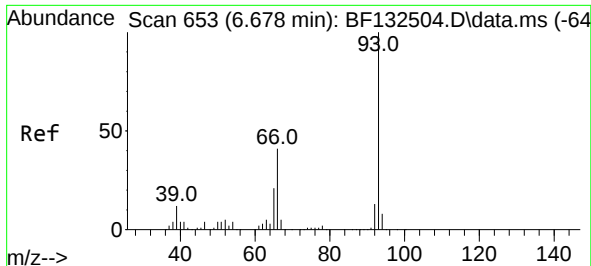
Tgt Ion:152 Resp: 158153
Ion Ratio Lower Upper
152 100
150 157.9 125.4 188.2
115 59.4 47.8 71.6



#5
2-Fluorophenol
Concen: 73.504 ng
RT: 5.610 min Scan# 514
Delta R.T. -0.006 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Tgt Ion:112 Resp: 716274
Ion Ratio Lower Upper
112 100
64 60.6 51.6 77.4
63 30.4 27.4 41.2

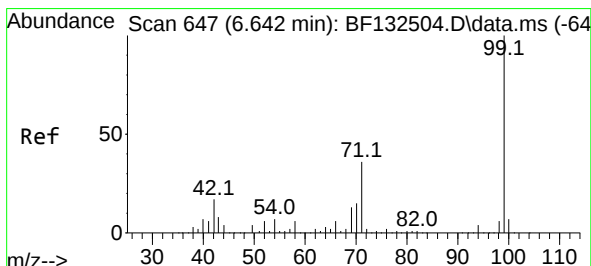
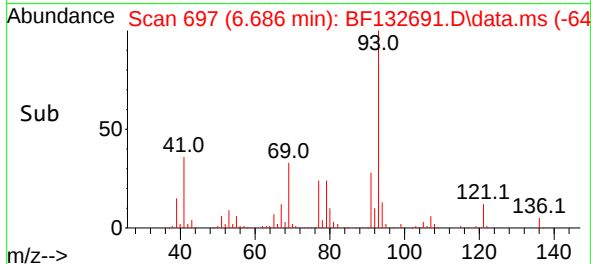
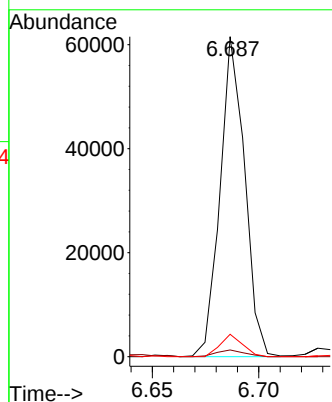
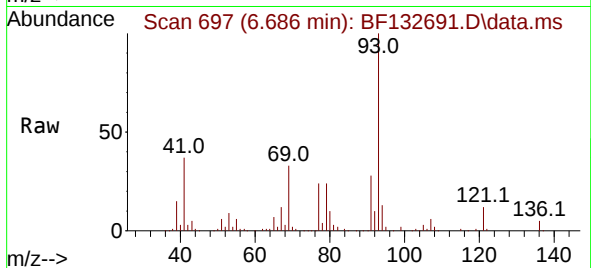




#6
Aniline
Concen: 2.892 ng
RT: 6.686 min Scan# 61
Delta R.T. 0.029 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

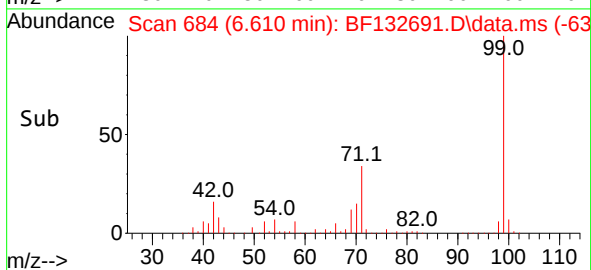
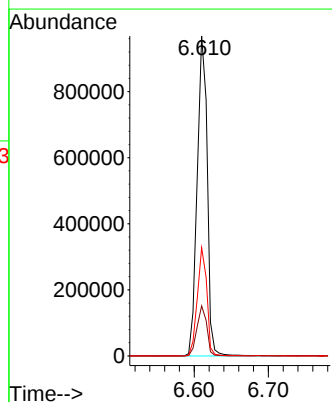
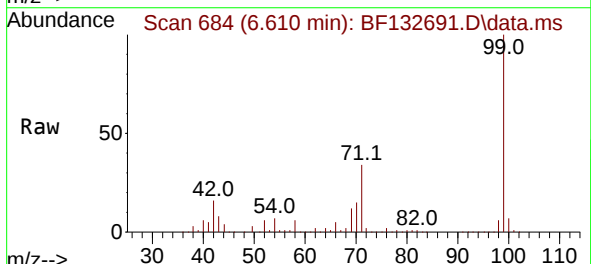
Instrument :
BNA_F
ClientSampleId :
SS-03-20230306

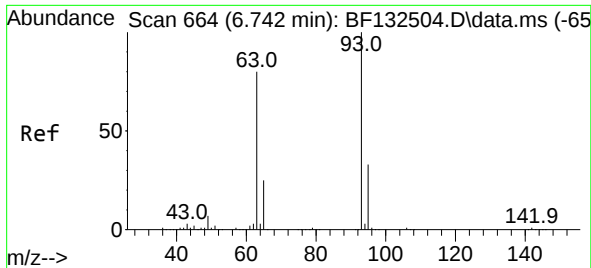
Tgt Ion: 93 Resp: 49500
Ion Ratio Lower Upper
93 100
66 2.1 32.5 48.7#
65 7.0 16.6 24.8#



#7
Phenol-d6
Concen: 71.704 ng
RT: 6.610 min Scan# 684
Delta R.T. -0.012 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Tgt Ion: 99 Resp: 911904
Ion Ratio Lower Upper
99 100
42 15.6 13.9 20.9
71 33.9 28.5 42.7

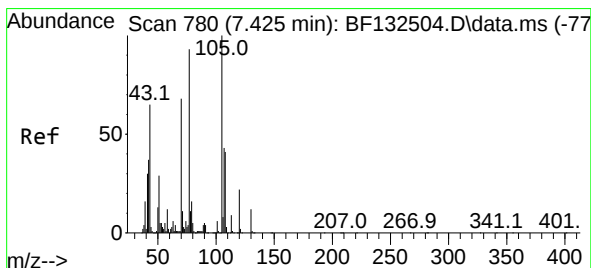
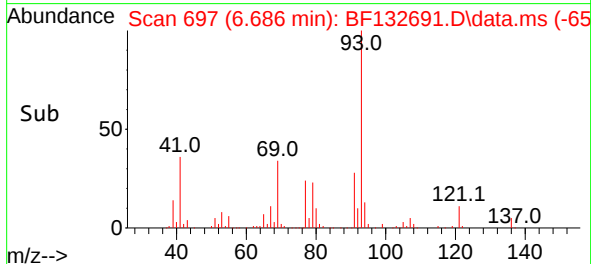
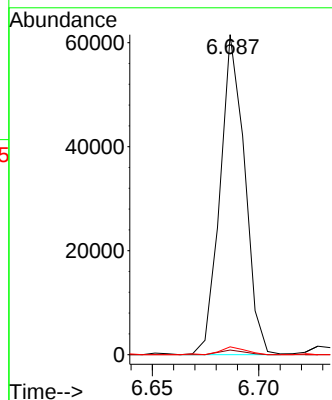
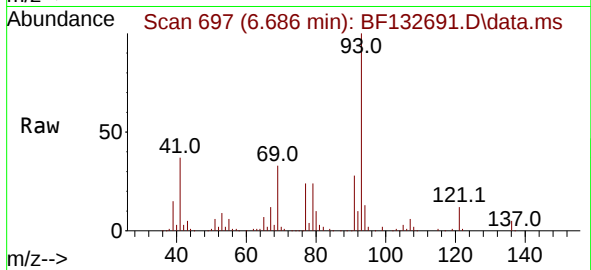




#11
bis(2-Chloroethyl)ether
Concen: 4.398 ng
RT: 6.686 min Scan# 61
Delta R.T. -0.041 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

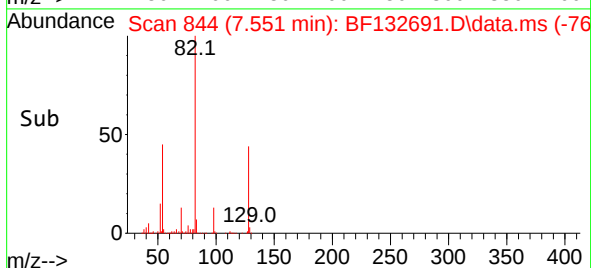
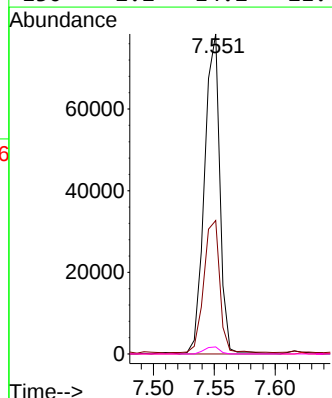
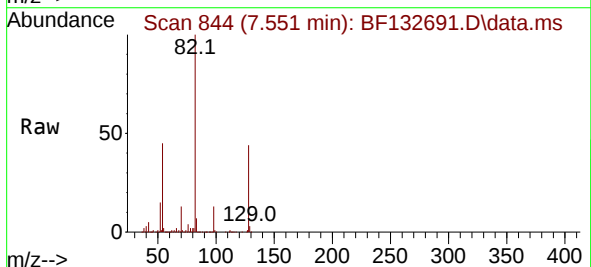
Instrument :
BNA_F
ClientSampleId :
SS-03-20230306

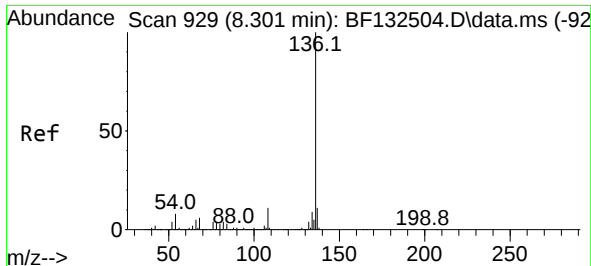
Tgt Ion: 93 Resp: 49500
Ion Ratio Lower Upper
93 100
63 1.4 59.6 99.6#
95 2.5 12.8 52.8#



#19
n-Nitroso-di-n-propylamine
Concen: 8.783 ng
RT: 7.551 min Scan# 844
Delta R.T. 0.147 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Tgt Ion: 70 Resp: 68740
Ion Ratio Lower Upper
70 100
42 41.7 44.1 66.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#

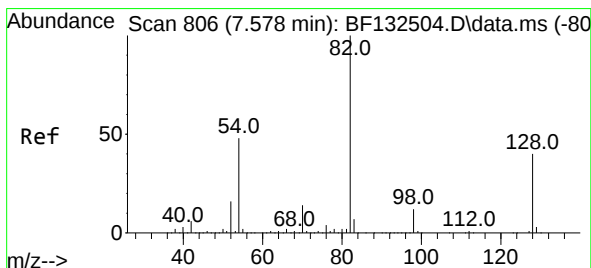
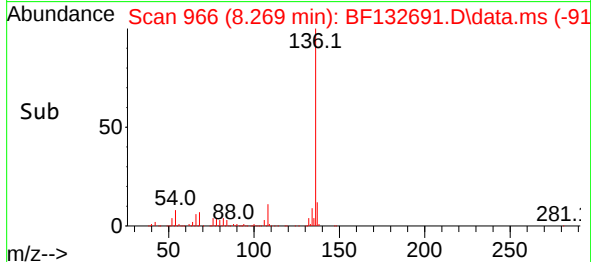
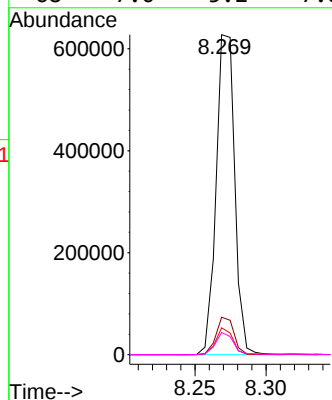
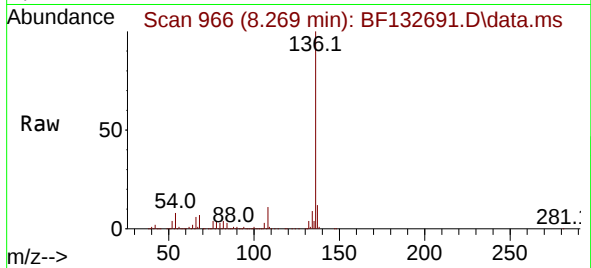




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

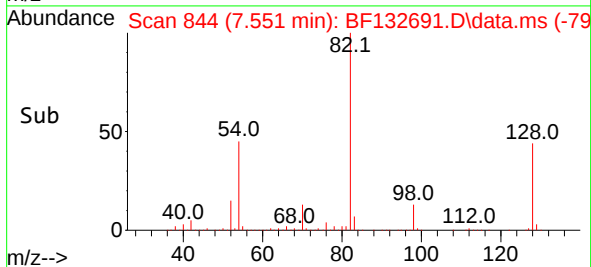
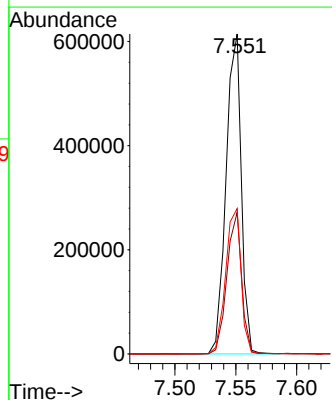
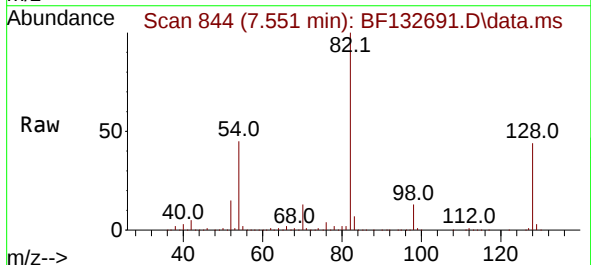
Instrument :
BNA_F
ClientSampleId :
SS-03-20230306

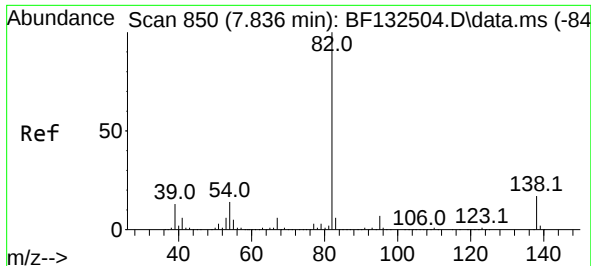
Tgt Ion:136 Resp: 569881
Ion Ratio Lower Upper
136 100
137 11.7 8.9 13.3
54 8.4 6.2 9.4
68 7.0 5.2 7.8



#23
Nitrobenzene-d5
Concen: 44.654 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Tgt Ion: 82 Resp: 536367
Ion Ratio Lower Upper
82 100
128 44.3 32.2 48.2
54 45.5 38.4 57.6

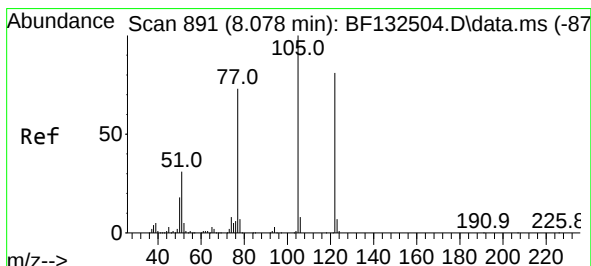
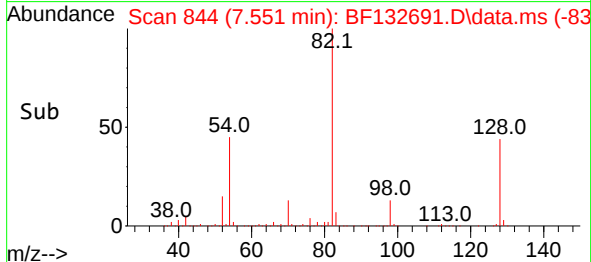
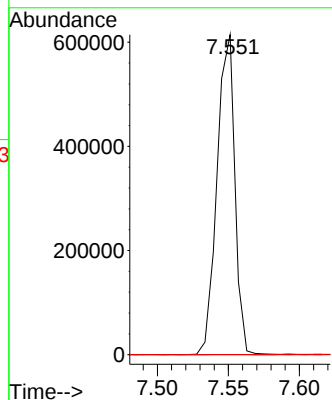
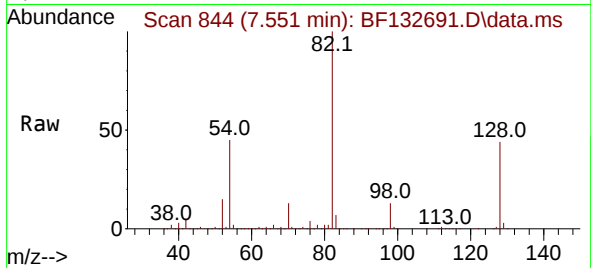




#25
Isophorone
Concen: 23.287 ng
RT: 7.551 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

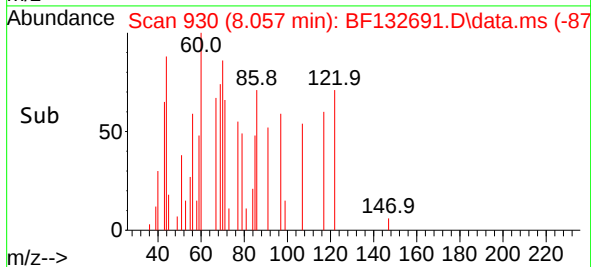
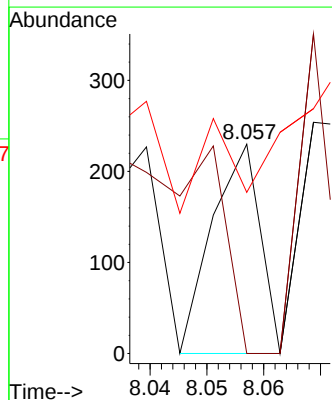
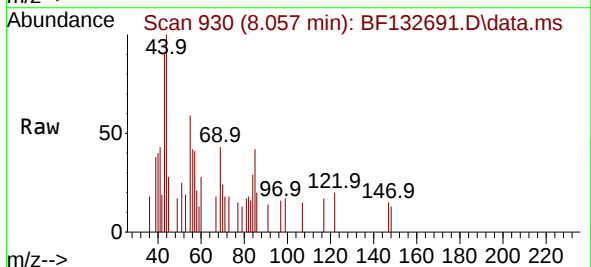
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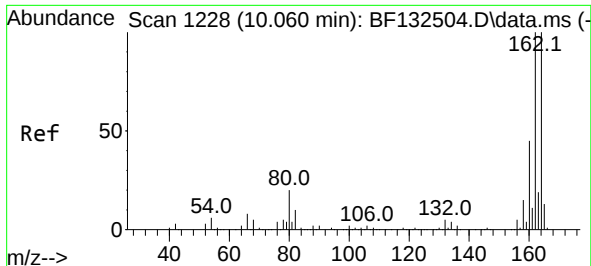
Tgt Ion: 82 Resp: 536278
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.854 ng
RT: 8.057 min Scan# 930
Delta R.T. -0.000 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

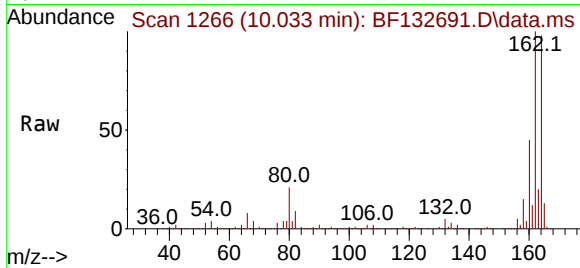
Tgt Ion: 122 Resp: 135
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 77.0 70.2 110.2



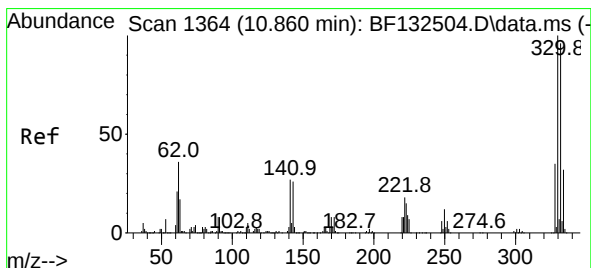
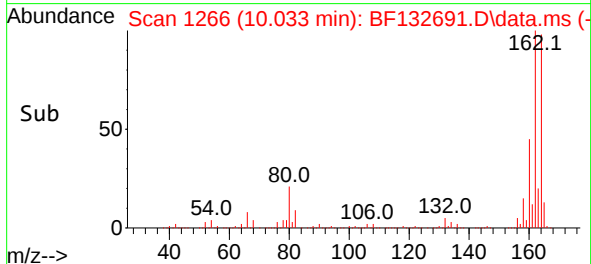
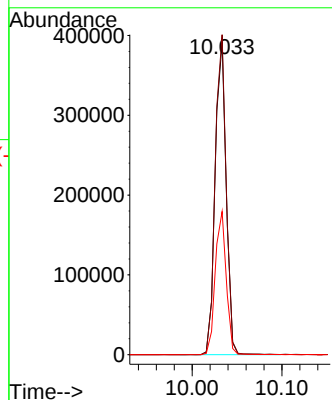


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.033 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Instrument :
BNA_F
ClientSampleId :
SS-03-20230306

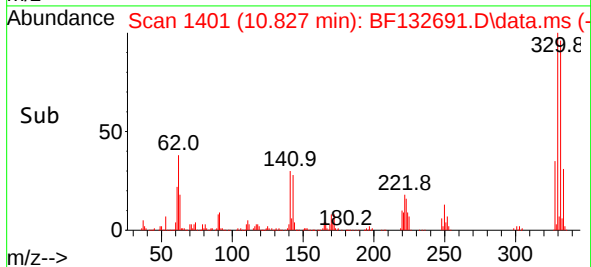
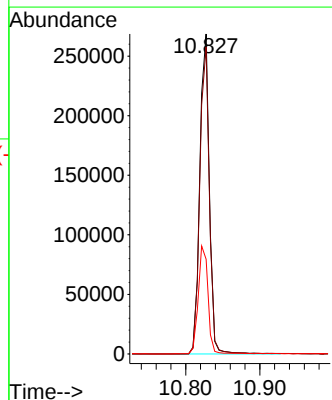
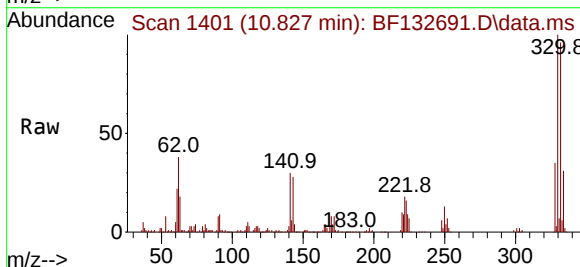


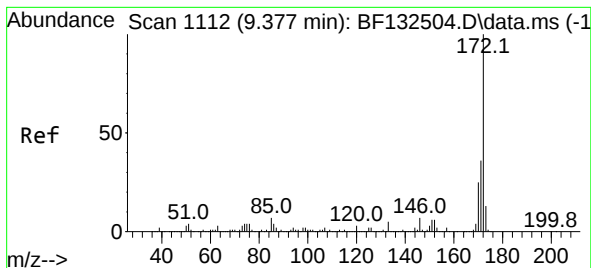
Tgt Ion:164 Resp: 334583
Ion Ratio Lower Upper
164 100
162 102.3 79.8 119.8
160 45.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 66.411 ng
RT: 10.827 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Tgt Ion:330 Resp: 239966
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 34.8 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 43.157 ng

RT: 9.345 min Scan# 1112

Delta R.T. -0.012 min

Lab File: BF132691.D

Acq: 08 Mar 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SS-03-20230306

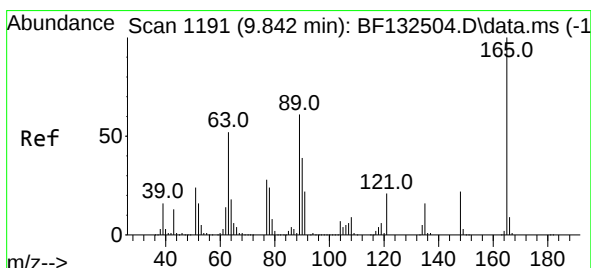
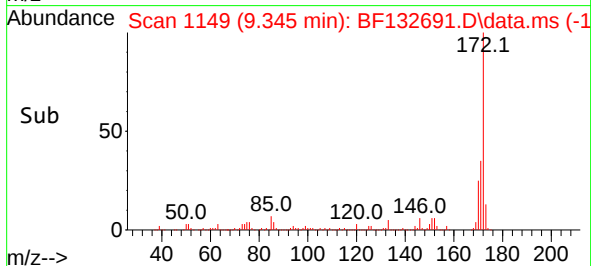
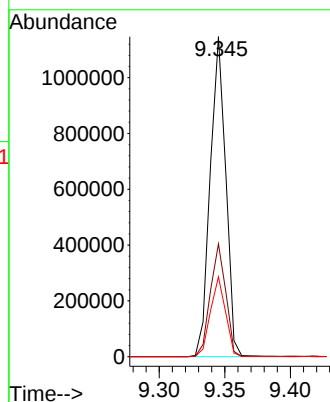
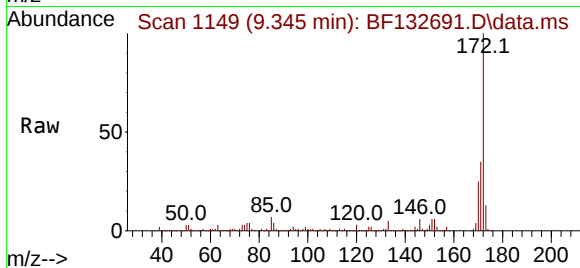
Tgt Ion:172 Resp: 948303

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 25.0 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.987 ng

RT: 10.033 min Scan# 1266

Delta R.T. 0.212 min

Lab File: BF132691.D

Acq: 08 Mar 2023 15:38

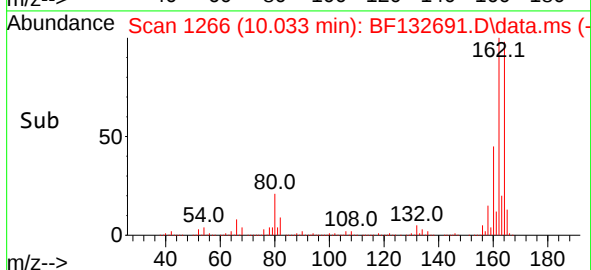
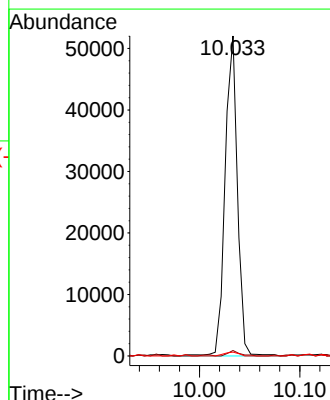
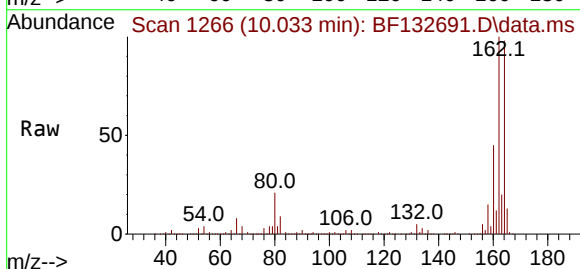
Tgt Ion:165 Resp: 44313

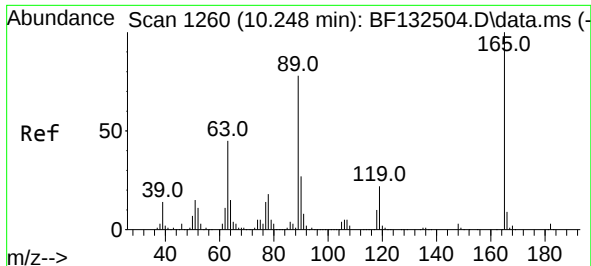
Ion Ratio Lower Upper

165 100

63 1.7 47.3 70.9#

89 1.2 48.9 73.3#

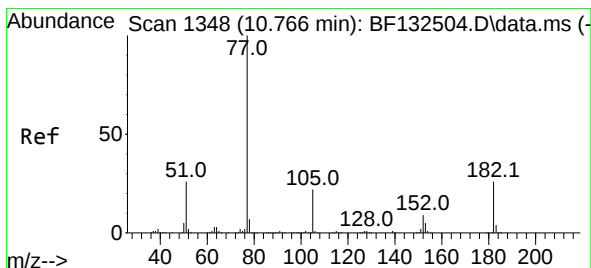
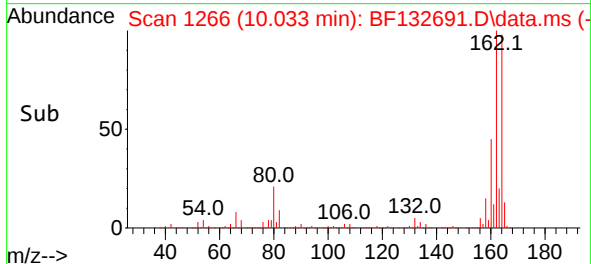
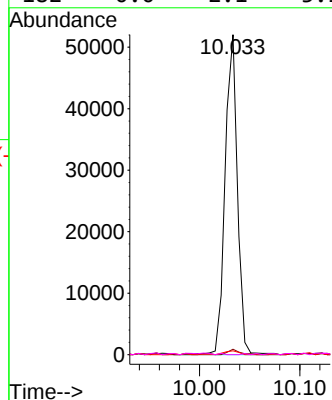
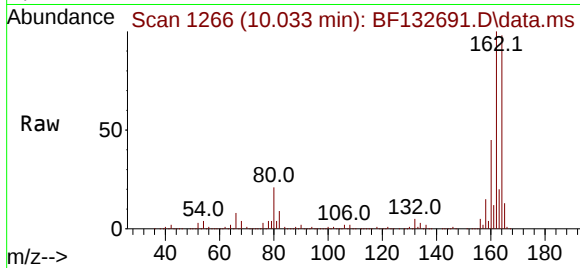




#57
2,4-Dinitrotoluene
Concen: 6.004 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

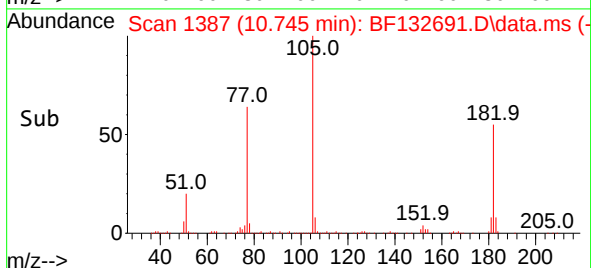
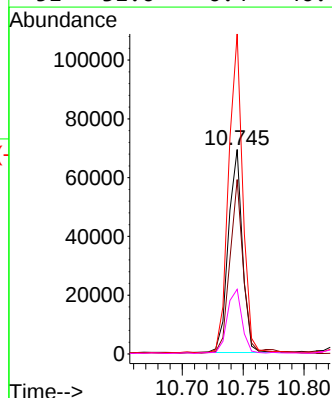
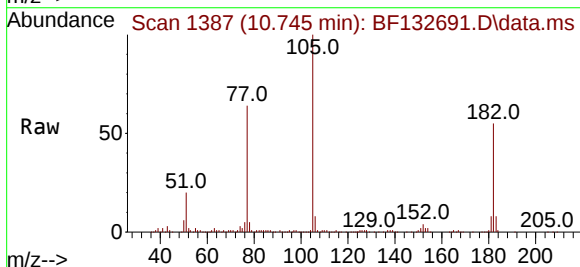
Instrument :
BNA_F
ClientSampleId :
SS-03-20230306

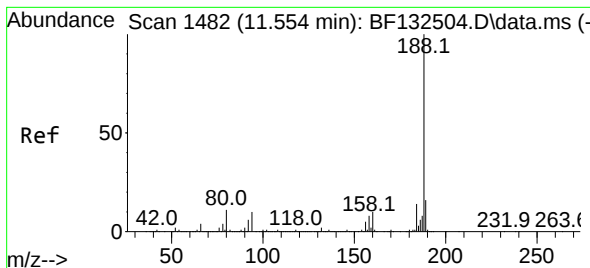
Tgt Ion:165 Resp: 44313
Ion Ratio Lower Upper
165 100
63 1.7 36.5 54.7#
89 1.2 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.196 ng
RT: 10.745 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Tgt Ion: 77 Resp: 55329
Ion Ratio Lower Upper
77 100
182 85.3 5.5 45.5#
105 156.5 1.8 41.8#
51 31.6 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.527 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132691.D

Acq: 08 Mar 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SS-03-20230306

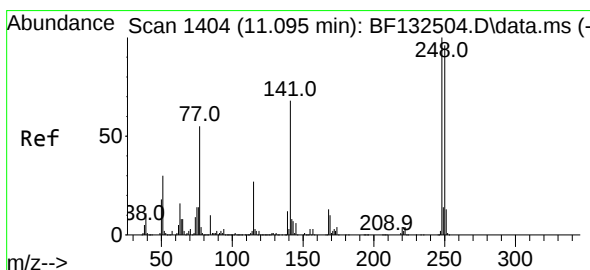
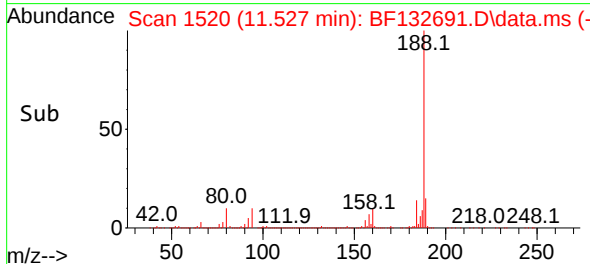
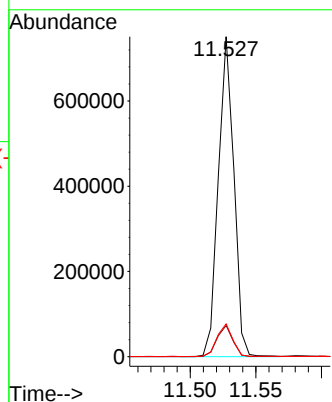
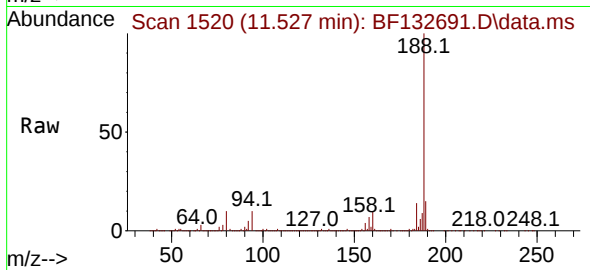
Tgt Ion:188 Resp: 618839

Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.3 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 2.235 ng

RT: 10.822 min Scan# 1400

Delta R.T. -0.253 min

Lab File: BF132691.D

Acq: 08 Mar 2023 15:38

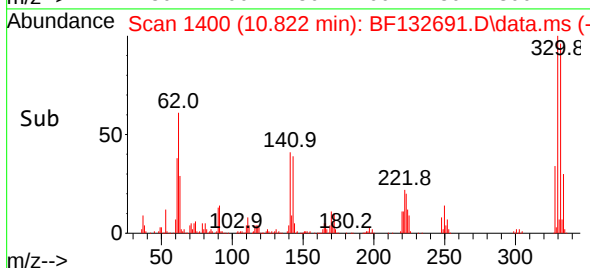
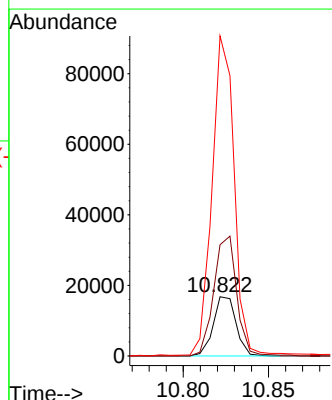
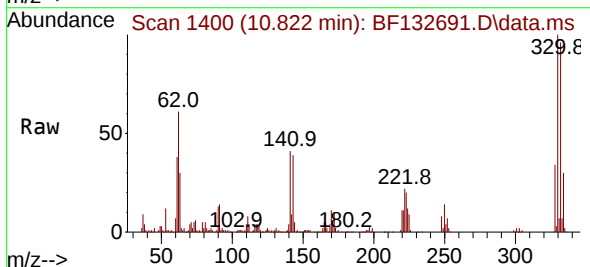
Tgt Ion:248 Resp: 15645

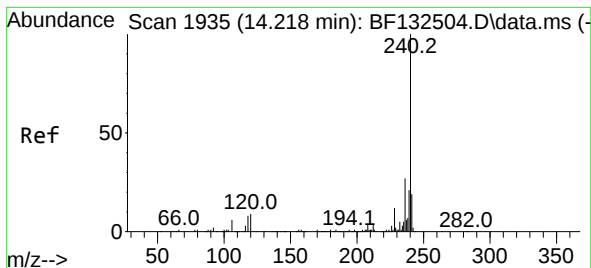
Ion Ratio Lower Upper

248 100

250 187.7 77.0 115.4#

141 540.4 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.186 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132691.D

Acq: 08 Mar 2023 15:38

Instrument :

BNA_F

ClientSampleId :

SS-03-20230306

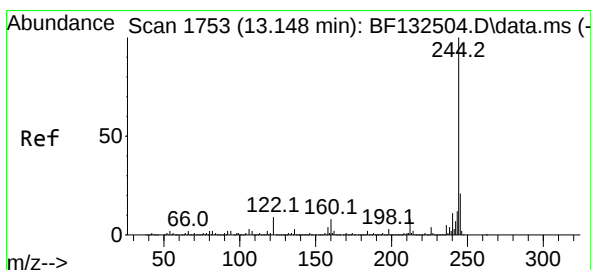
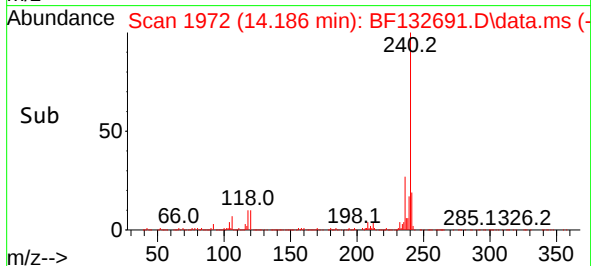
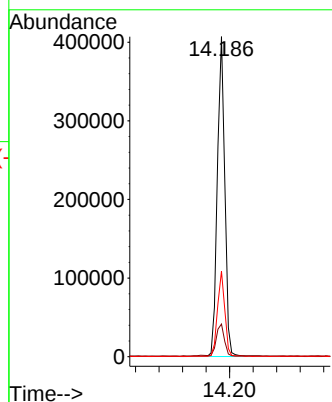
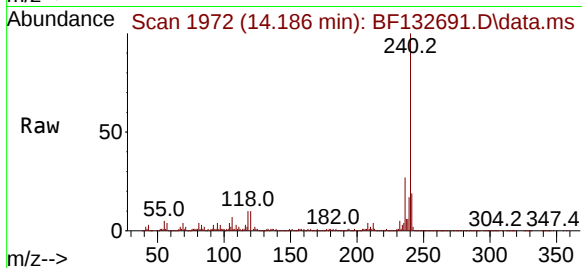
Tgt Ion:240 Resp: 358295

Ion Ratio Lower Upper

240 100

120 10.2 7.2 10.8

236 26.7 21.8 32.6



#79

Terphenyl-d14

Concen: 42.518 ng

RT: 13.115 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BF132691.D

Acq: 08 Mar 2023 15:38

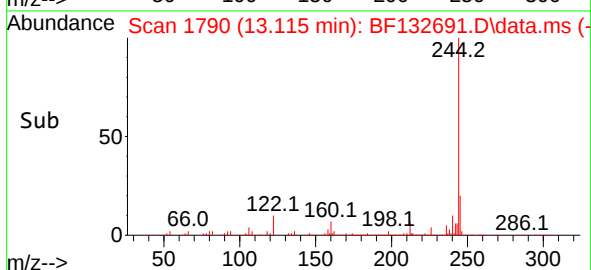
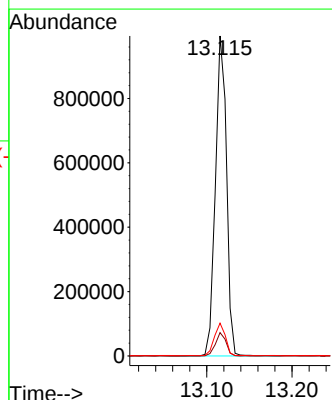
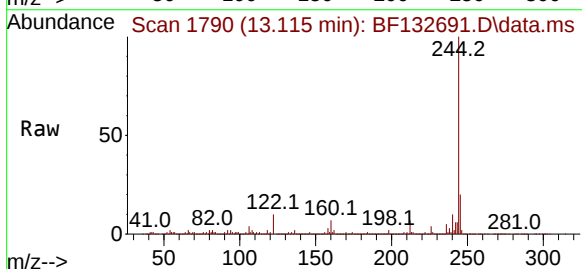
Tgt Ion:244 Resp: 901017

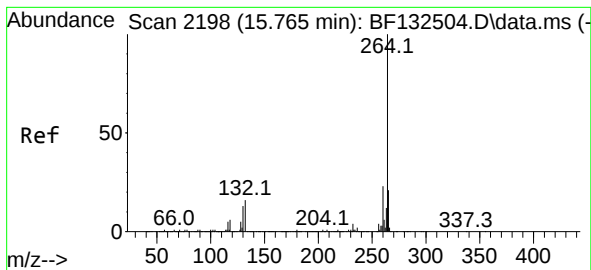
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

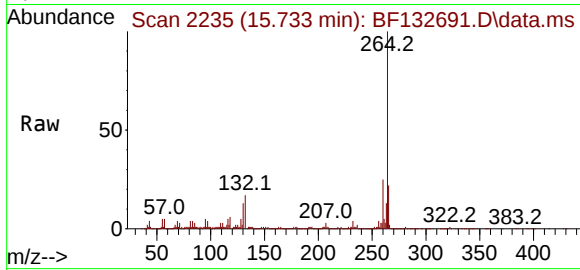
122 10.3 7.5 11.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.733 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132691.D
Acq: 08 Mar 2023 15:38

Instrument :
BNA_F
ClientSampleId :
SS-03-20230306



Tgt Ion:264 Resp: 397329
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 22.0 17.1 25.7

