

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031323\
 Data File : BF132765.D
 Acq On : 13 Mar 2023 17:48
 Operator : CG\JU
 Sample : 01878-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F-2

Quant Time: Mar 14 01:32:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 13:44:13 2023
 Response via : Initial Calibration

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

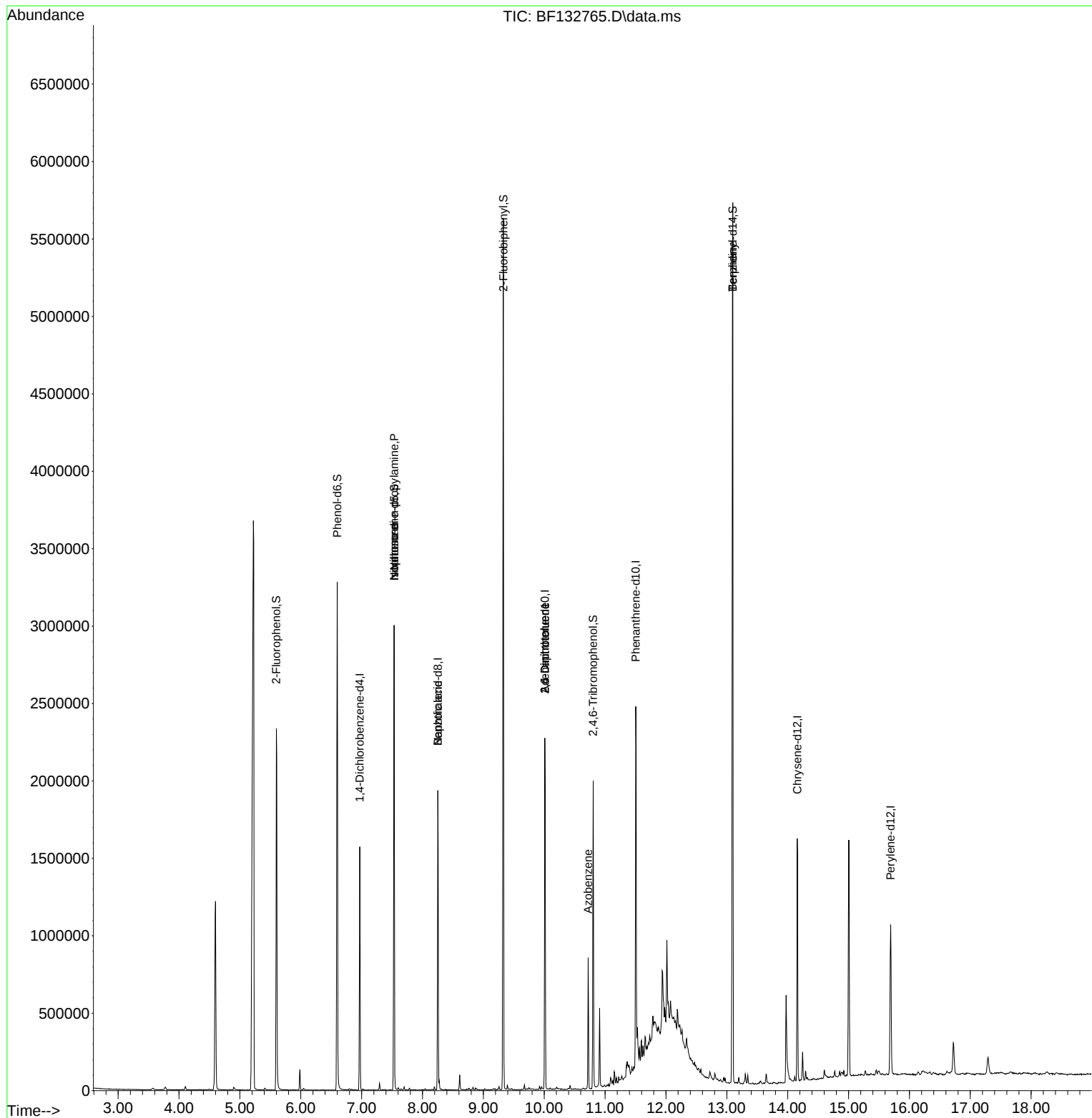
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	221625	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	815043	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	461241	20.000	ng	-0.01
64) Phenanthrene-d10	11.504	188	925454	20.000	ng	0.00
76) Chrysene-d12	14.157	240	544321	20.000	ng	#-0.01
86) Perylene-d12	15.692	264	467688	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	714449	52.319	ng	0.00
7) Phenol-d6	6.598	99	1165155	65.379	ng	-0.01
23) Nitrobenzene-d5	7.534	82	930605	54.171	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	228234	45.819	ng	-0.01
45) 2-Fluorobiphenyl	9.328	172	1660309	54.811	ng	0.00
79) Terphenyl-d14	13.098	244	2183709	67.829	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.534	70	121304	11.060	ng	# 74
25) Isophorone	7.534	82	930584	28.254	ng	# 67
32) Benzoic acid	8.251	122	182	3.853	ng	# 1
51) 2,6-Dinitrotoluene	10.010	165	60899	7.962	ng	# 22
57) 2,4-Dinitrotoluene	10.010	165	60899	5.985	ng	# 21
63) Azobenzene	10.722	77	131272	3.779	ng	# 1
77) Benzidine	13.098	184	31573	2.383	ng	# 90

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

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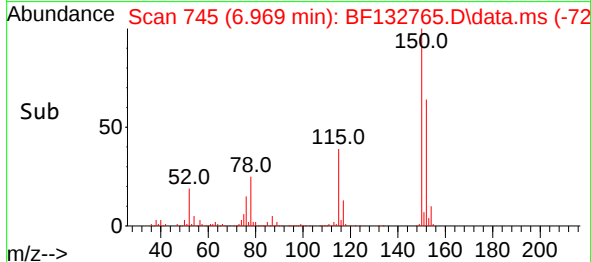
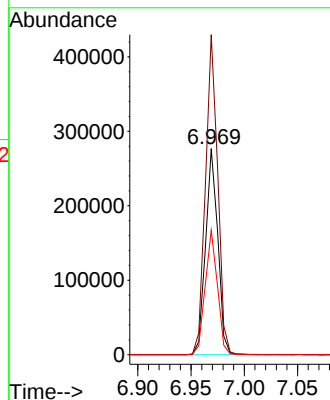
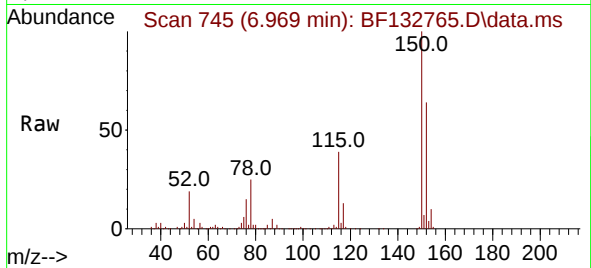




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 710
 Delta R.T. -0.006 min
 Lab File: BF132765.D
 Acq: 13 Mar 2023 17:48

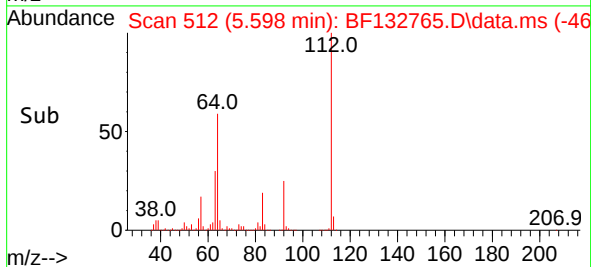
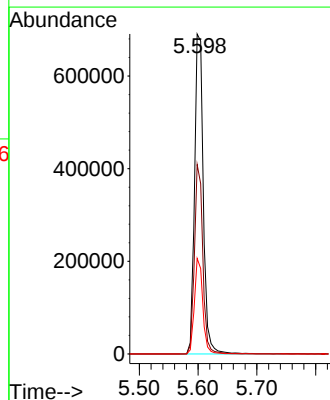
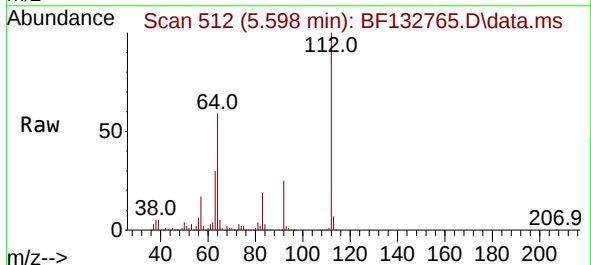
Instrument :
 BNA_F
 ClientSampleId :
 F-2

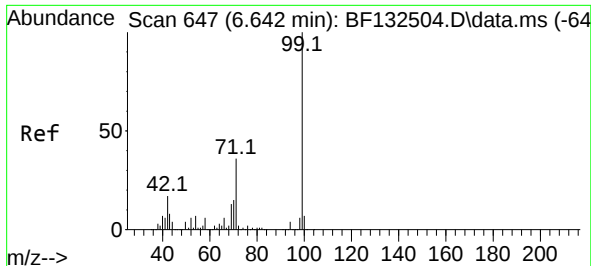
Tgt Ion:152 Resp: 221625
 Ion Ratio Lower Upper
 152 100
 150 155.3 125.4 188.2
 115 60.4 47.8 71.6



#5
 2-Fluorophenol
 Concen: 52.319 ng
 RT: 5.598 min Scan# 512
 Delta R.T. 0.000 min
 Lab File: BF132765.D
 Acq: 13 Mar 2023 17:48

Tgt Ion:112 Resp: 714449
 Ion Ratio Lower Upper
 112 100
 64 59.2 51.6 77.4
 63 29.9 27.4 41.2

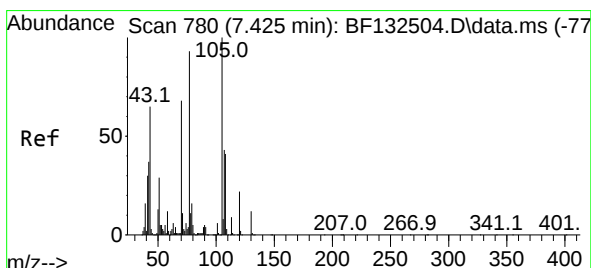
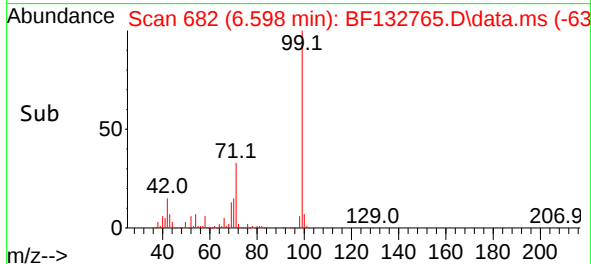
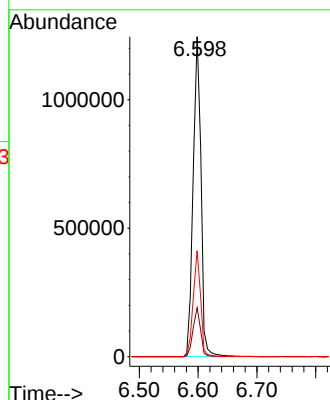
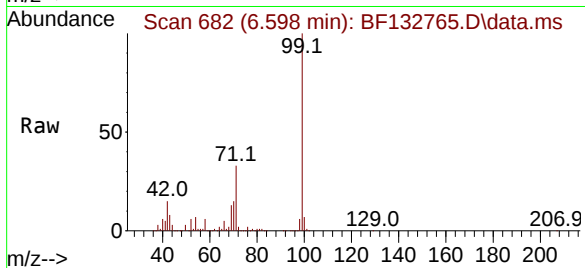




#7
Phenol-d6
Concen: 65.379 ng
RT: 6.598 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

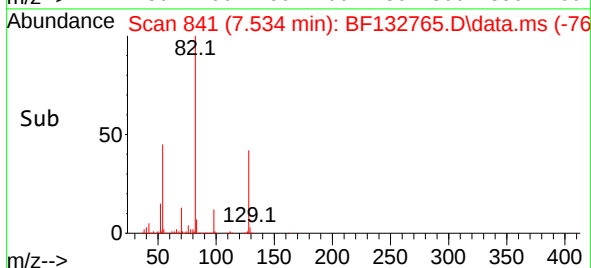
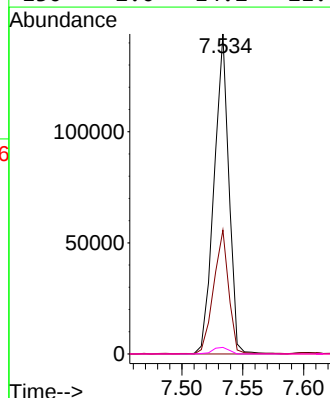
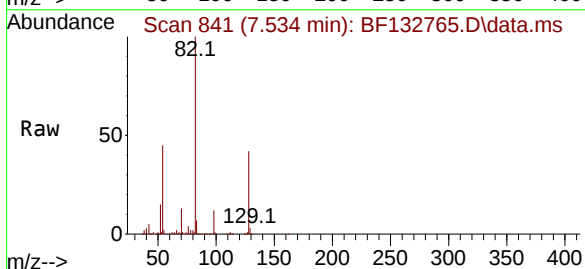
Instrument :
BNA_F
ClientSampleId :
F-2

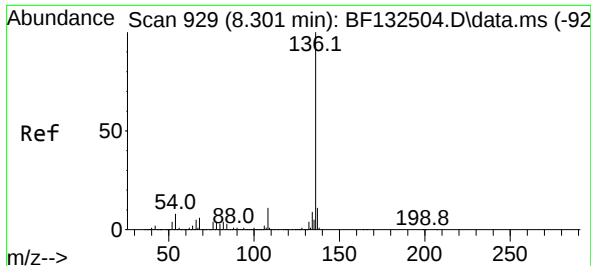
Tgt Ion: 99 Resp: 1165155
Ion Ratio Lower Upper
99 100
42 15.3 13.9 20.9
71 33.1 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.060 ng
RT: 7.534 min Scan# 841
Delta R.T. 0.147 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

Tgt Ion: 70 Resp: 121304
Ion Ratio Lower Upper
70 100
42 38.7 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



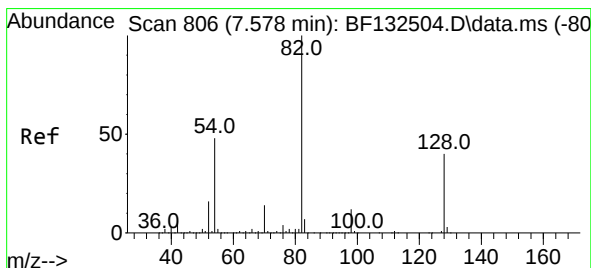
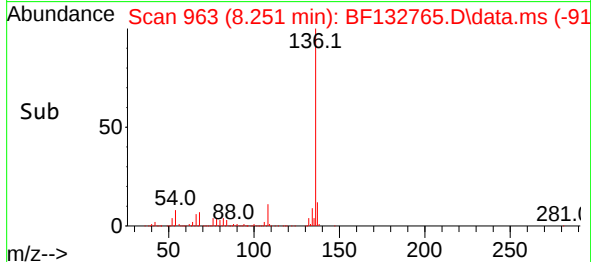
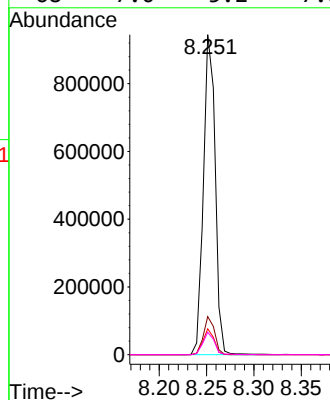
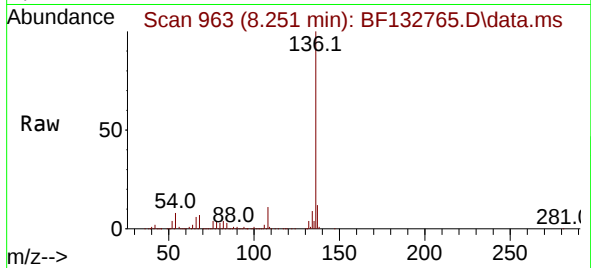


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

Instrument :
BNA_F
ClientSampleId :
F-2

Tgt Ion:136 Resp: 815043

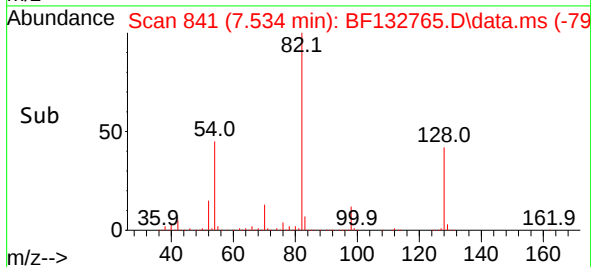
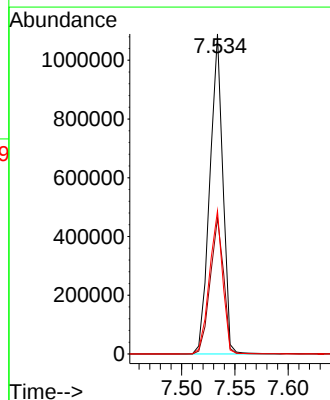
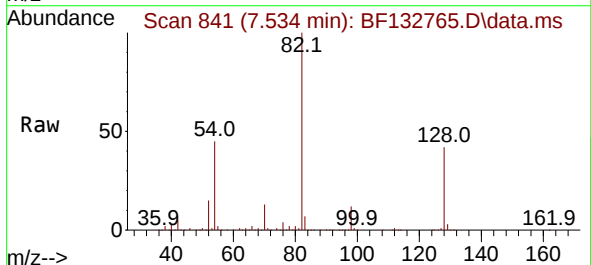
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	8.1	6.2	9.4
68	7.0	5.2	7.8

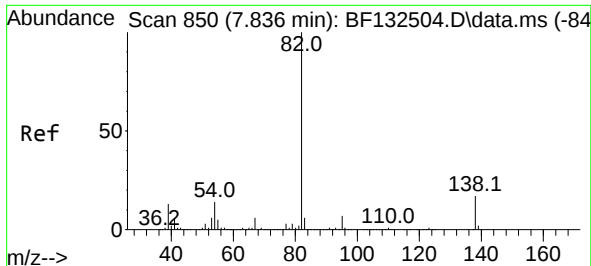


#23
Nitrobenzene-d5
Concen: 54.171 ng
RT: 7.534 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

Tgt Ion: 82 Resp: 930605

Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.2	48.2
54	44.8	38.4	57.6

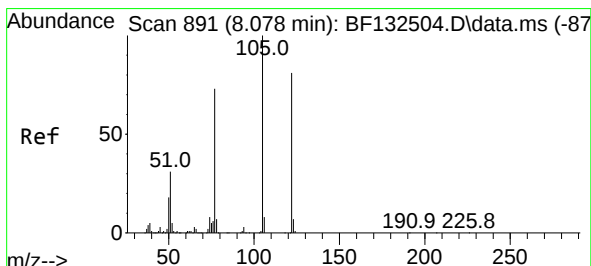
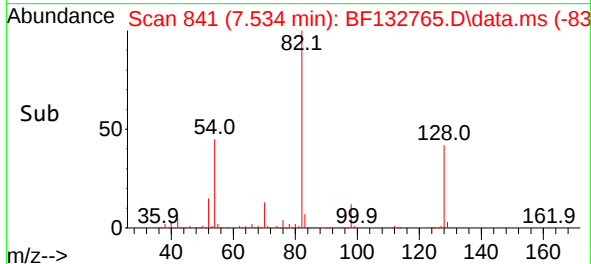
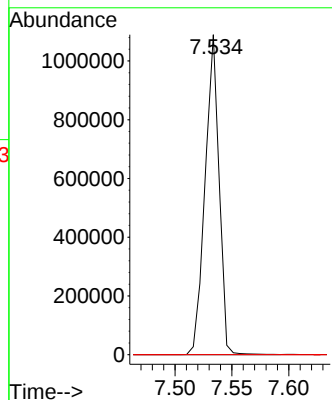
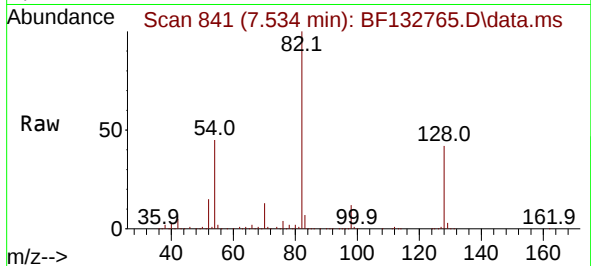




#25
Isophorone
Concen: 28.254 ng
RT: 7.534 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

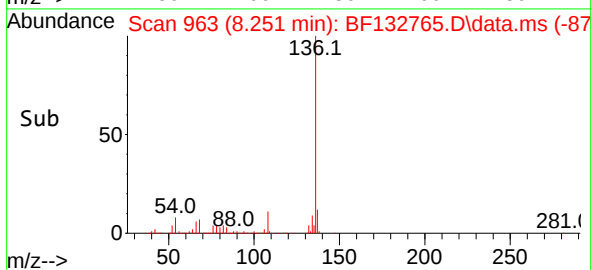
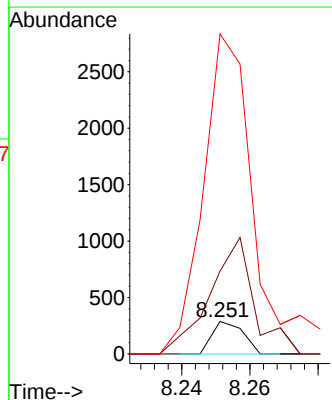
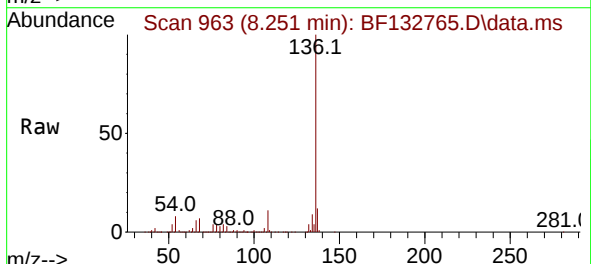
Instrument :
BNA_F
ClientSampleId :
F-2

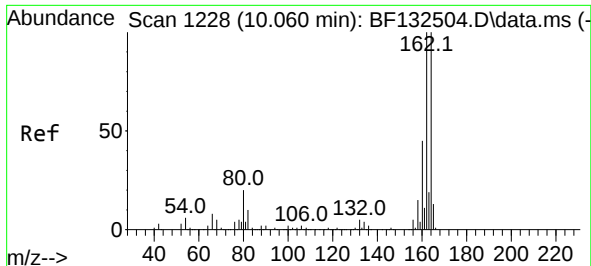
Tgt Ion: 82 Resp: 930584
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.853 ng
RT: 8.251 min Scan# 963
Delta R.T. 0.212 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

Tgt Ion:122 Resp: 182
Ion Ratio Lower Upper
122 100
105 254.9 102.6 142.6#
77 984.4 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

Instrument :

BNA_F

ClientSampleId :

F-2

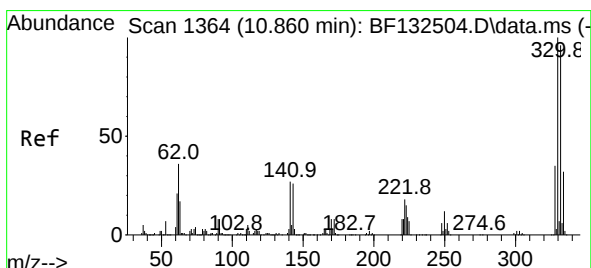
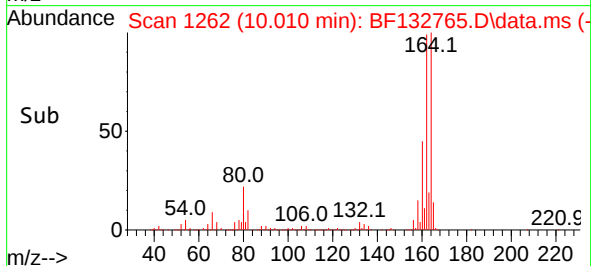
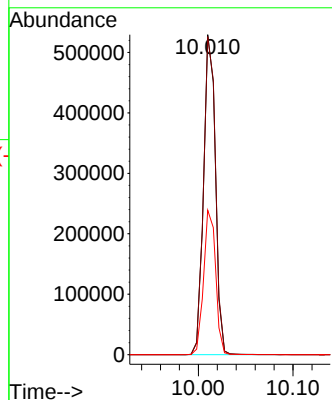
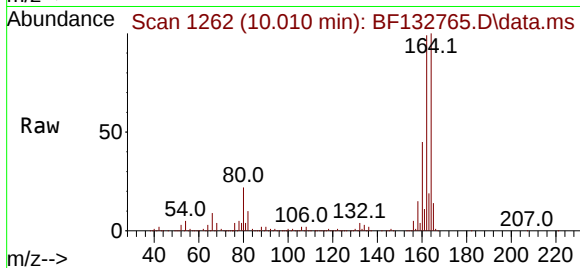
Tgt Ion:164 Resp: 461241

Ion Ratio Lower Upper

164 100

162 99.4 79.8 119.8

160 45.1 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 45.819 ng

RT: 10.804 min Scan# 1397

Delta R.T. -0.012 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

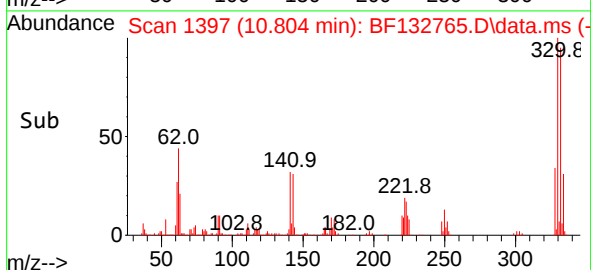
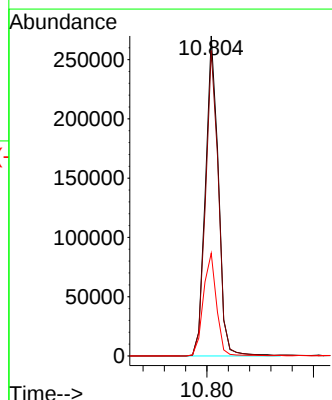
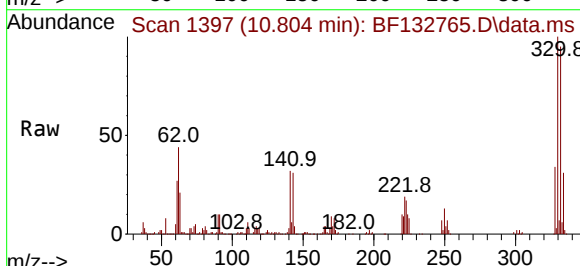
Tgt Ion:330 Resp: 228234

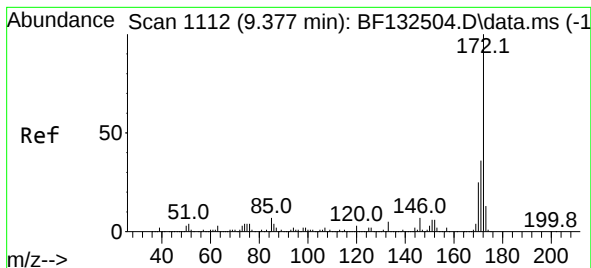
Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

141 32.7 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 54.811 ng

RT: 9.328 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

Instrument :

BNA_F

ClientSampleId :

F-2

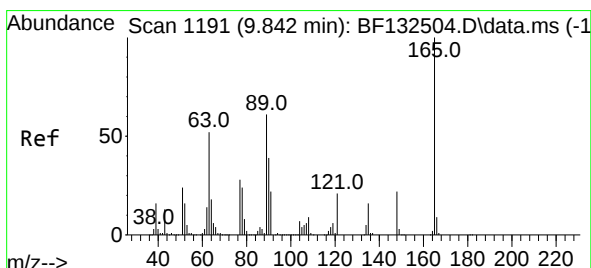
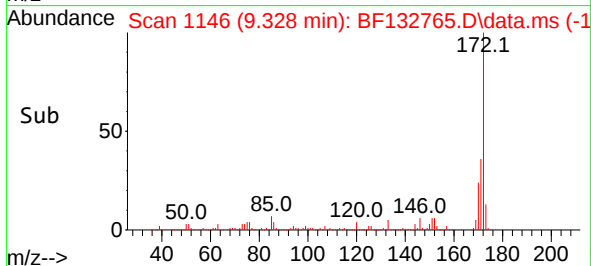
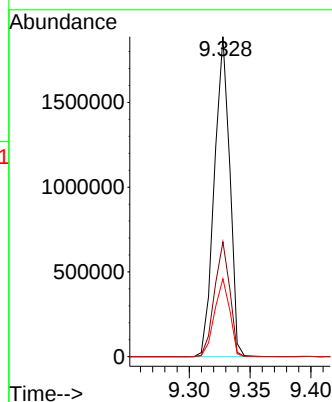
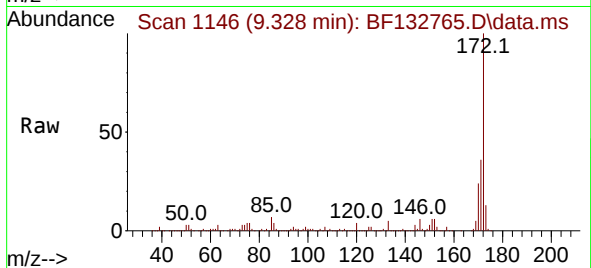
Tgt Ion:172 Resp: 1660309

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 24.3 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.962 ng

RT: 10.010 min Scan# 1262

Delta R.T. 0.206 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

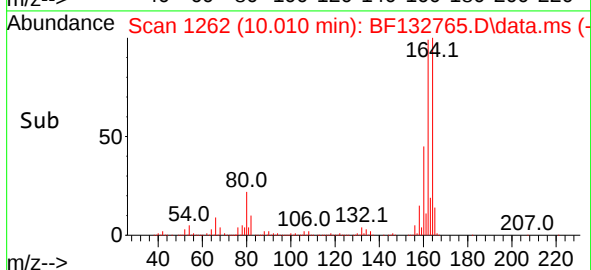
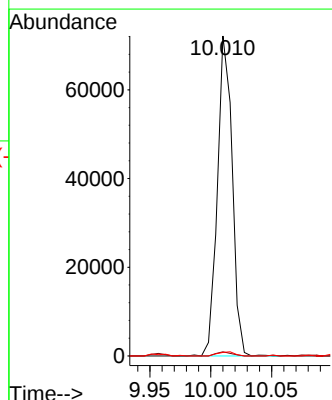
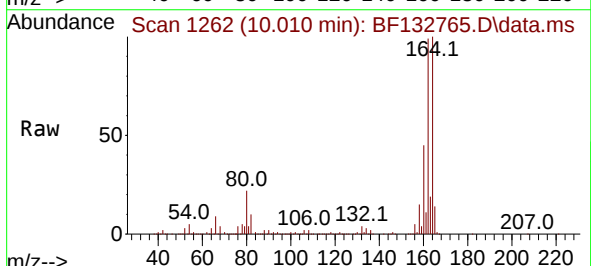
Tgt Ion:165 Resp: 60899

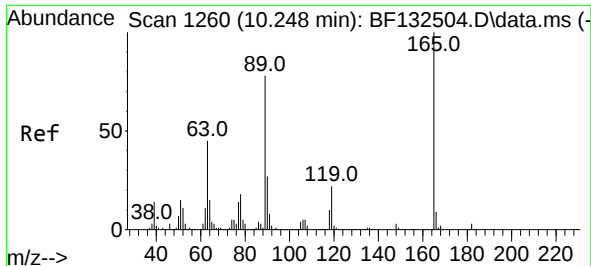
Ion Ratio Lower Upper

165 100

63 1.3 47.3 70.9#

89 1.1 48.9 73.3#

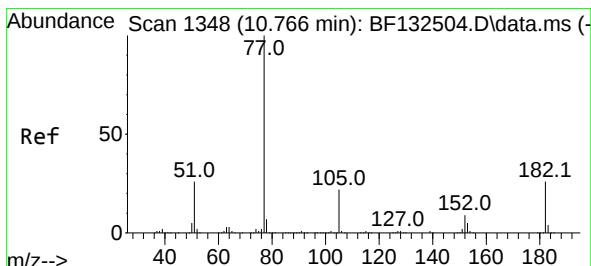
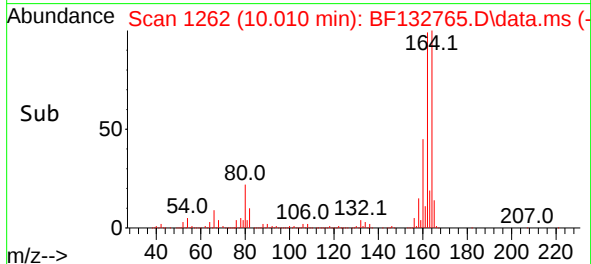
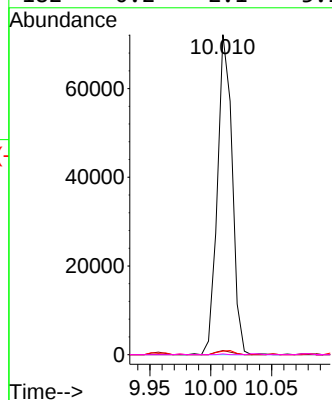
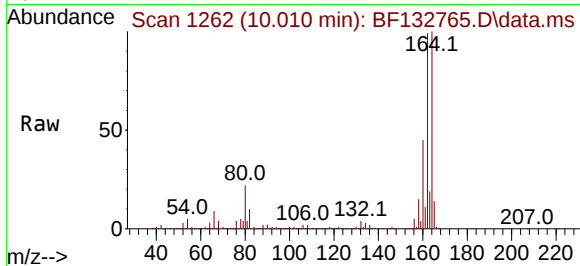




#57
2,4-Dinitrotoluene
Concen: 5.985 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

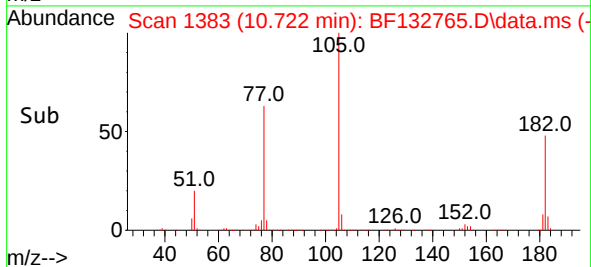
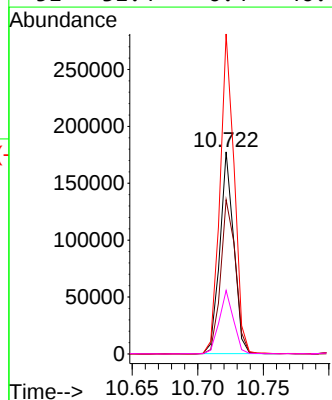
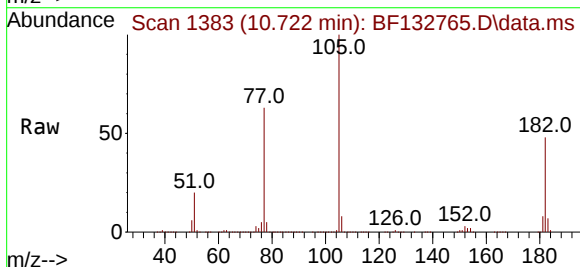
Instrument :
BNA_F
ClientSampleId :
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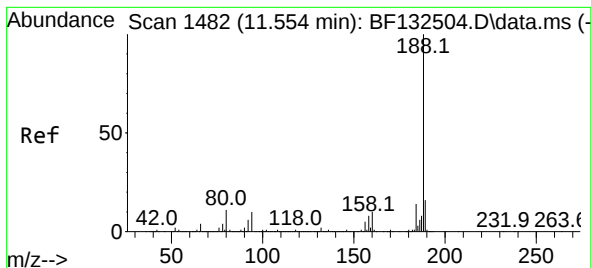
Tgt Ion:165 Resp: 60899
Ion Ratio Lower Upper
165 100
63 1.3 36.5 54.7#
89 1.1 62.4 93.6#
182 0.2 2.1 3.1#



#63
Azobenzene
Concen: 3.779 ng
RT: 10.722 min Scan# 1383
Delta R.T. 0.000 min
Lab File: BF132765.D
Acq: 13 Mar 2023 17:48

Tgt Ion: 77 Resp: 131272
Ion Ratio Lower Upper
77 100
182 76.3 5.5 45.5#
105 158.3 1.8 41.8#
51 31.4 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

Instrument :

BNA_F

ClientSampleId :

F-2

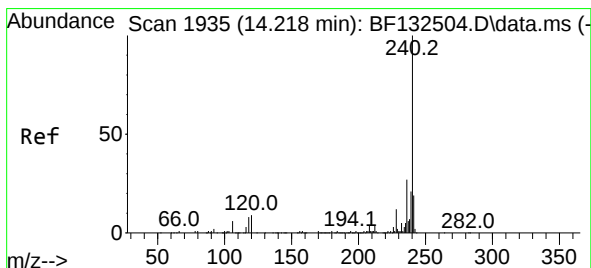
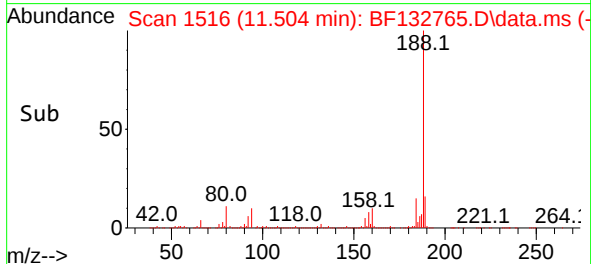
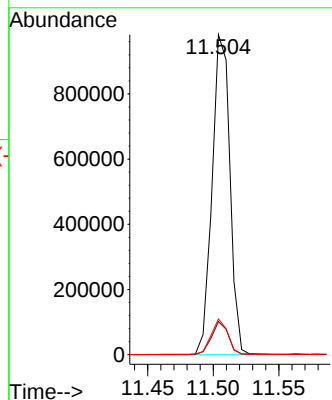
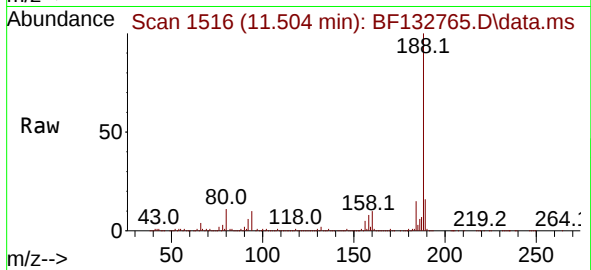
Tgt Ion:188 Resp: 925454

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.2 8.7 13.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 1967

Delta R.T. -0.012 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

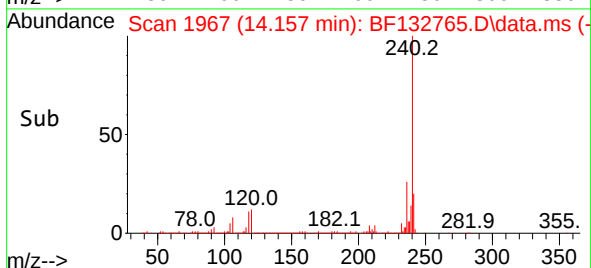
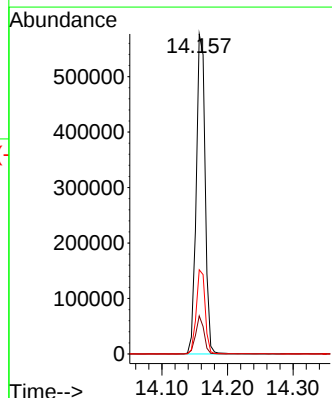
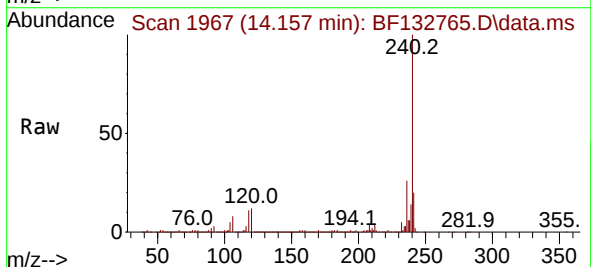
Tgt Ion:240 Resp: 544321

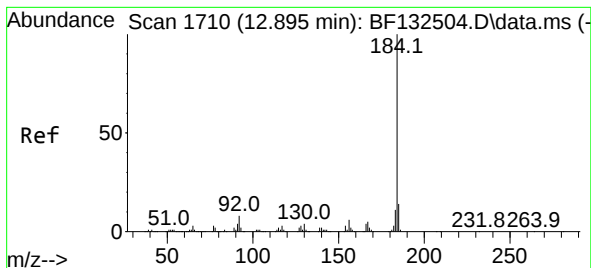
Ion Ratio Lower Upper

240 100

120 11.9 7.2 10.8#

236 26.3 21.8 32.6





#77

Benzidine

Concen: 2.383 ng

RT: 13.098 min Scan# 1787

Delta R.T. 0.247 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

Instrument :

BNA_F

ClientSampleId :

F-2

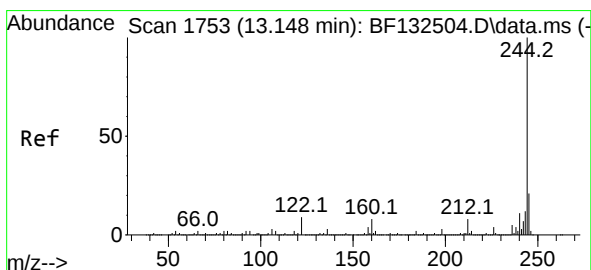
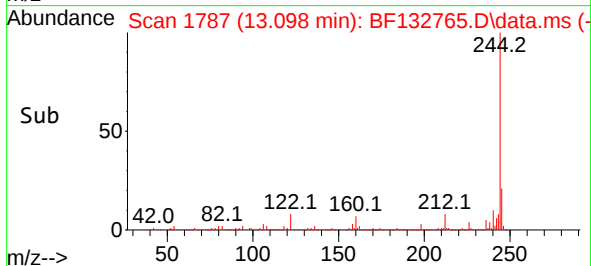
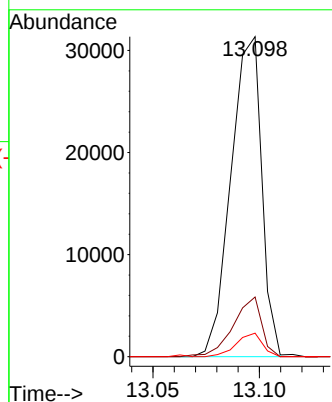
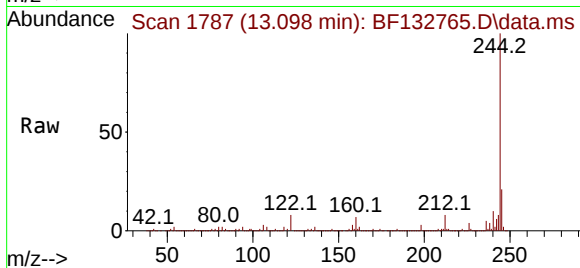
Tgt Ion:184 Resp: 31573

Ion Ratio Lower Upper

184 100

185 18.7 11.7 17.5#

183 7.3 8.7 13.1#



#79

Terphenyl-d14

Concen: 67.829 ng

RT: 13.098 min Scan# 1787

Delta R.T. 0.000 min

Lab File: BF132765.D

Acq: 13 Mar 2023 17:48

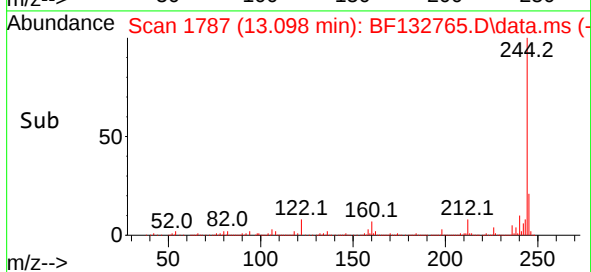
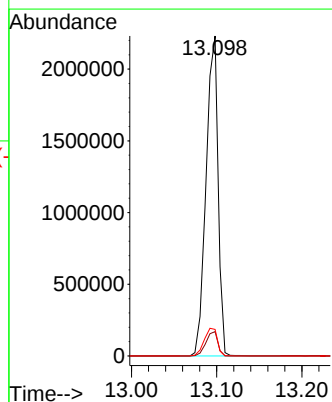
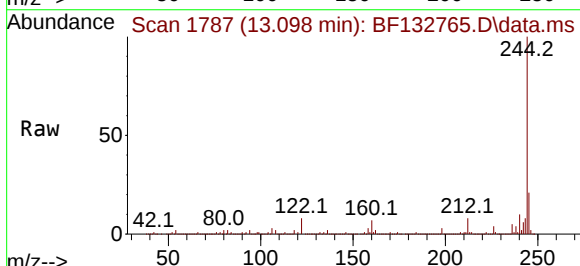
Tgt Ion:244 Resp: 2183709

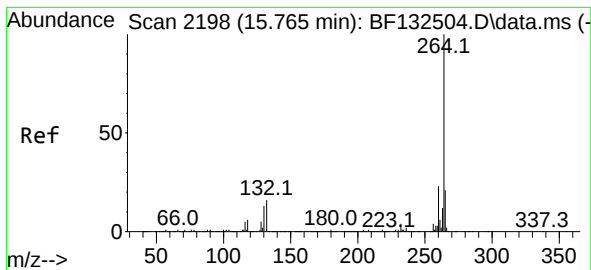
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 8.3 7.5 11.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.692 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132765.D

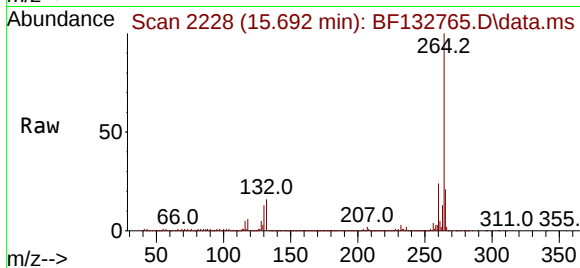
Acq: 13 Mar 2023 17:48

Instrument :

BNA_F

ClientSampleId :

F-2



Tgt Ion:264 Resp: 467688

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

265 21.4 17.1 25.7

