

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132603.D
 Acq On : 01 Mar 2023 21:30
 Operator : CG\JU
 Sample : 01728-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022723

Quant Time: Mar 02 03:22:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

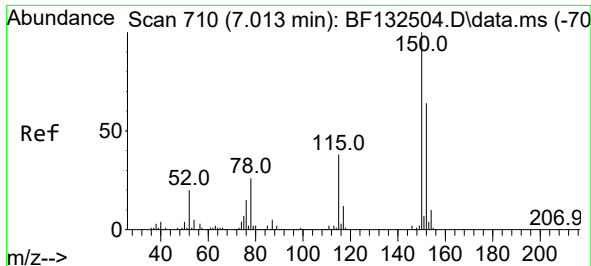
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	187443	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	605196	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	287869	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	571778	20.000	ng	0.00
76) Chrysene-d12	14.204	240	357431	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	273363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	388672	33.653	ng	0.00
7) Phenol-d6	6.622	99	452505	30.021	ng	-0.01
23) Nitrobenzene-d5	7.563	82	257806	20.211	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	90947	29.254	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	424982	22.479	ng	0.00
79) Terphenyl-d14	13.133	244	522539	24.718	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	33881	3.652	ng	# 82
25) Isophorone	7.563	82	257803	10.542	ng	# 67
32) Benzoic acid	8.063	122	56	3.843	ng	# 88
51) 2,6-Dinitrotoluene	10.051	165	36327	7.610	ng	# 22
57) 2,4-Dinitrotoluene	10.051	165	36327	5.720	ng	# 21
63) Azobenzene	10.763	77	69860	3.222	ng	# 1
71) Phenanthrene	11.569	178	109073	3.682	ng	99
75) Fluoranthene	12.769	202	213728	6.600	ng	99
78) Pyrene	12.998	202	213362	6.566	ng	99
81) Benzo(a)anthracene	14.192	228	78924	2.951	ng	# 87
83) Chrysene	14.233	228	72300	2.891	ng	# 94
88) Benzo(b)fluoranthene	15.298	252	96632	5.275	ng	# 69
89) Benzo(k)fluoranthene	15.298	252	96632	5.390	ng	# 70
90) Benzo(a)pyrene	15.692	252	49839	2.907	ng	# 78
92) Benzo(g,h,i)perylene	17.856	276	31103	3.437	ng	# 79

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

Quant Time: Mar 02 03:22:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration

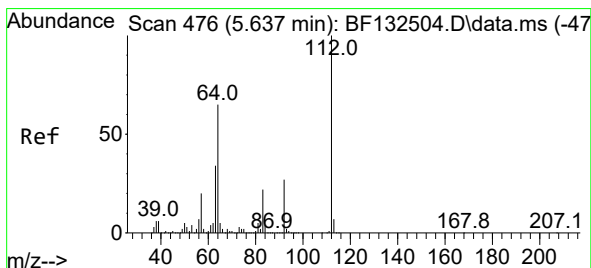
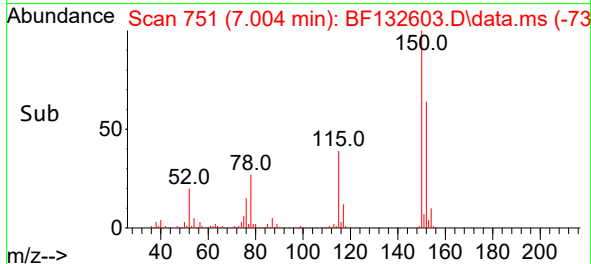
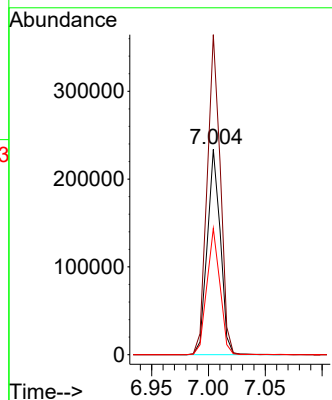
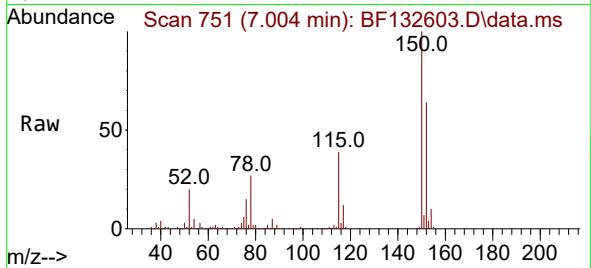




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

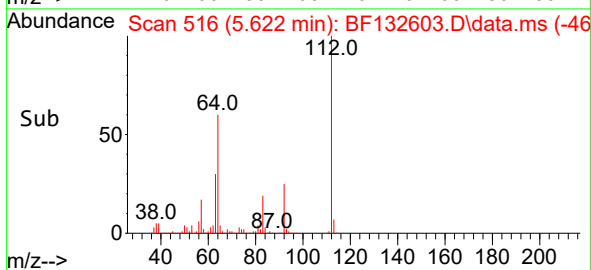
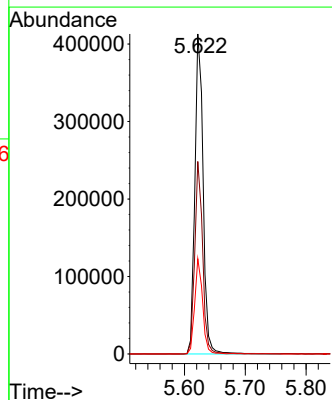
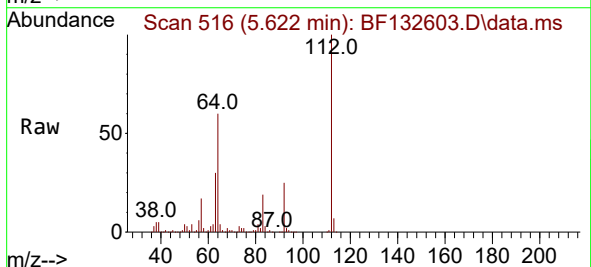
Instrument :
BNA_F
ClientSampleId :
OR-03-022723

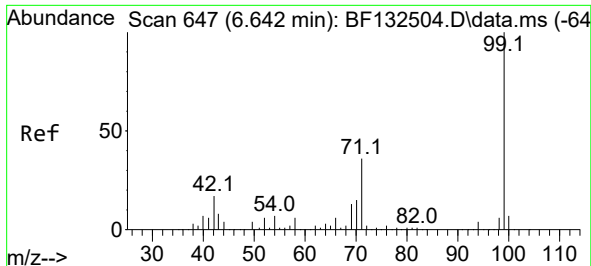
Tgt Ion:152 Resp: 187443
Ion Ratio Lower Upper
152 100
150 155.9 125.4 188.2
115 61.5 47.8 71.6



#5
2-Fluorophenol
Concen: 33.653 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion:112 Resp: 388672
Ion Ratio Lower Upper
112 100
64 60.2 51.6 77.4
63 29.7 27.4 41.2

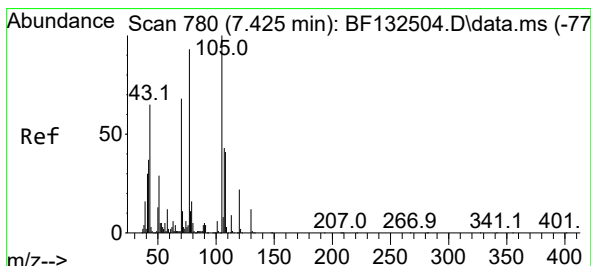
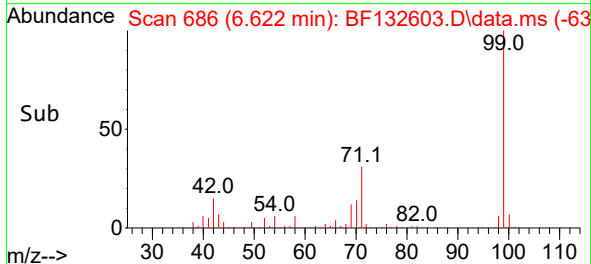
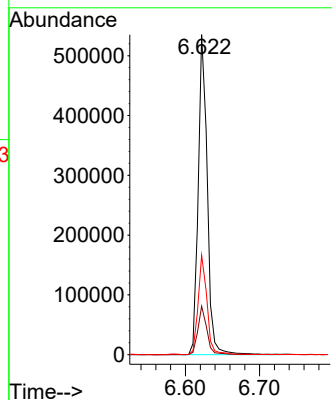
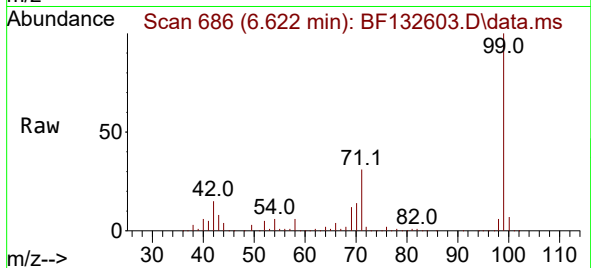




#7
Phenol-d6
Concen: 30.021 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

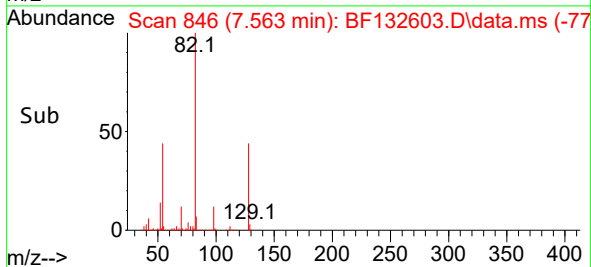
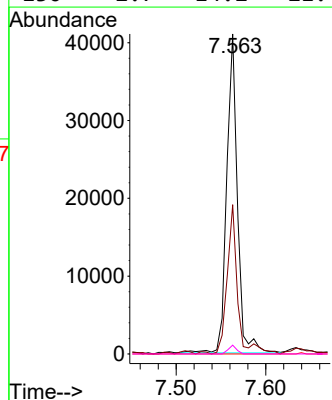
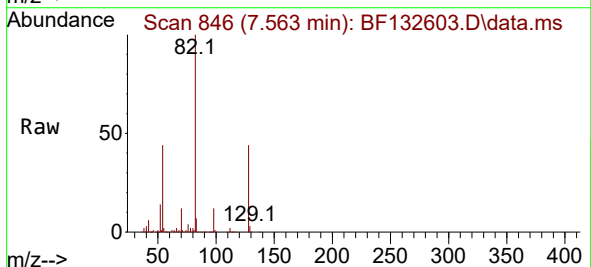
Instrument :
BNA_F
ClientSampleId :
OR-03-022723

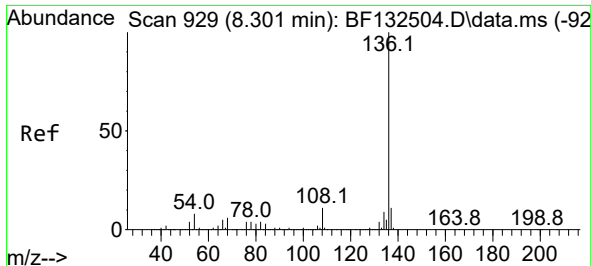
Tgt Ion: 99 Resp: 452505
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 31.1 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.652 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion: 70 Resp: 33881
Ion Ratio Lower Upper
70 100
42 46.7 44.1 66.1
101 0.0 7.4 11.2#
130 2.7 14.2 21.4#



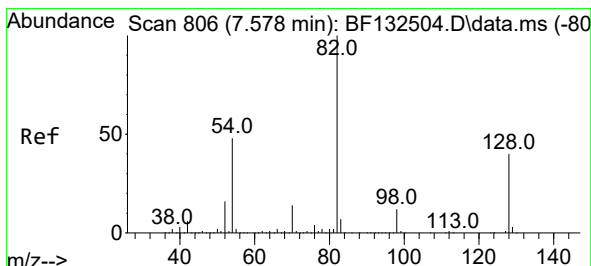
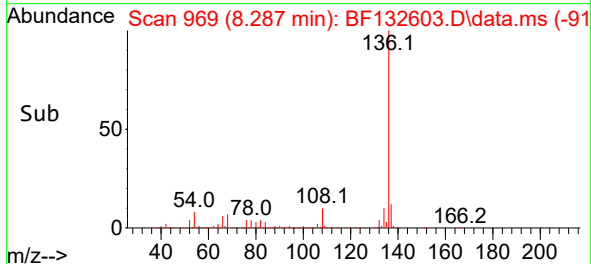
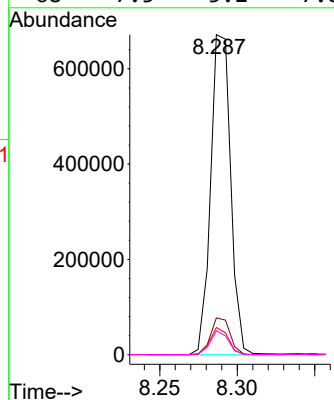
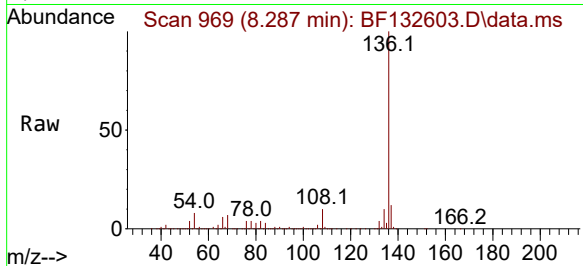


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Instrument :
BNA_F
ClientSampleId :
OR-03-022723

Tgt Ion:136 Resp: 605196

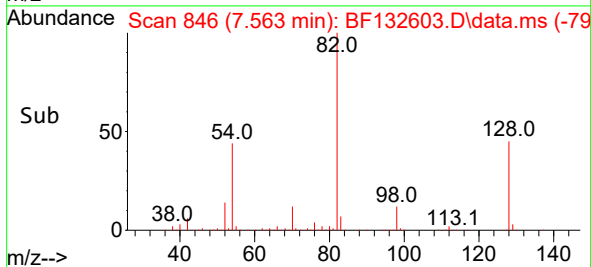
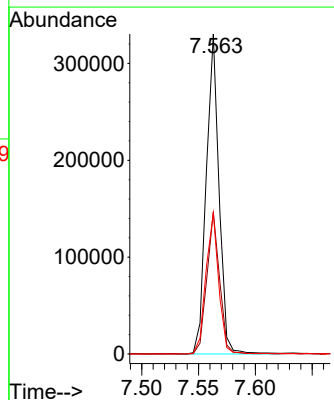
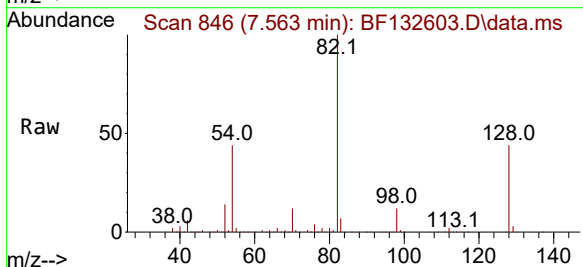
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	8.5	6.2	9.4
68	7.5	5.2	7.8

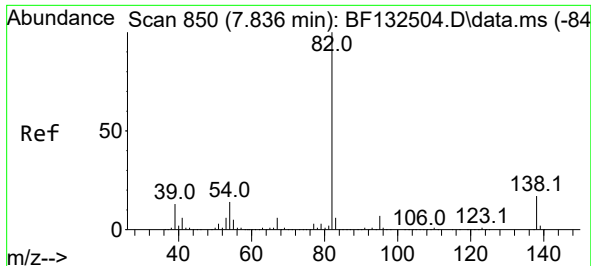


#23
Nitrobenzene-d5
Concen: 20.211 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion: 82 Resp: 257806

Ion	Ratio	Lower	Upper
82	100		
128	44.5	32.2	48.2
54	44.1	38.4	57.6

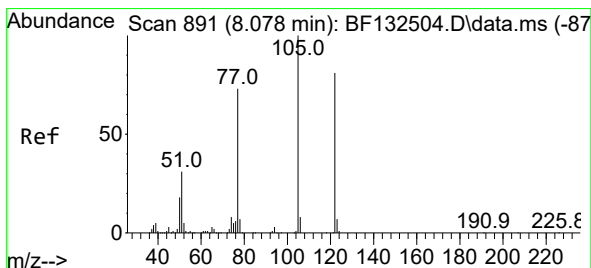
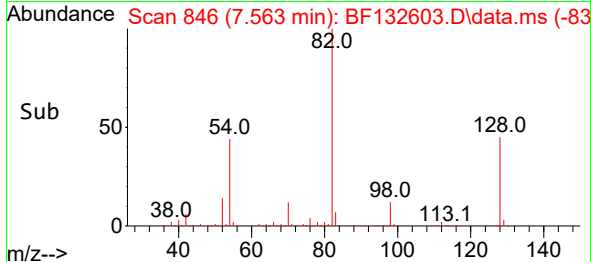
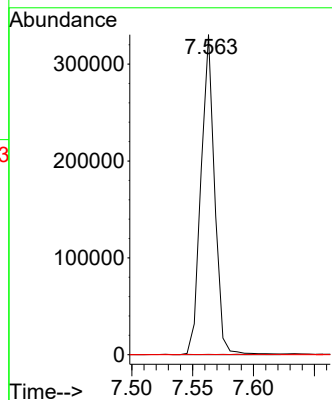
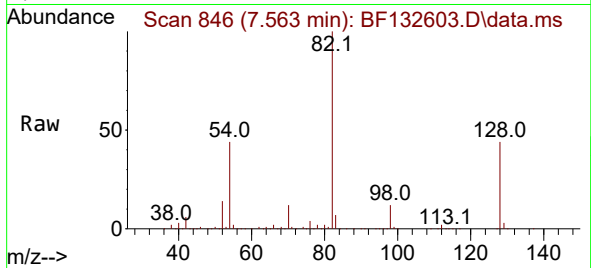




#25
Isophorone
Concen: 10.542 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

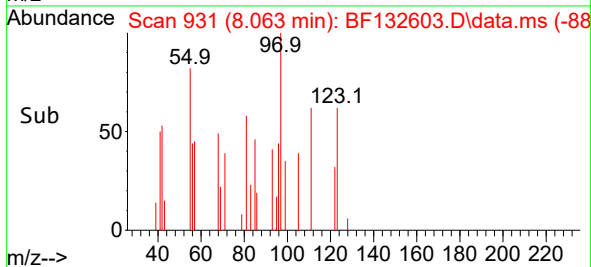
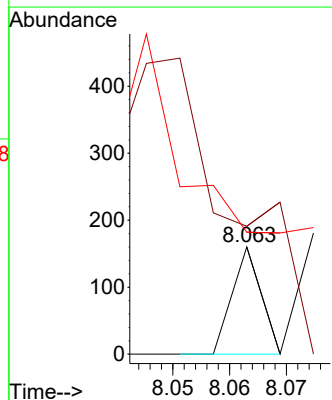
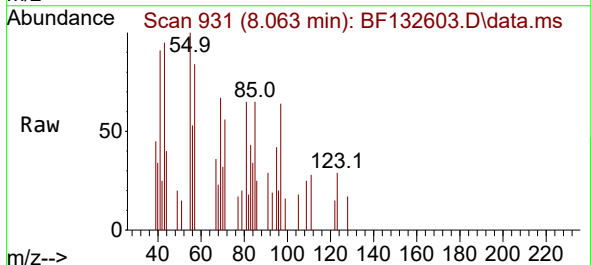
Instrument :
BNA_F
ClientSampleId :
OR-03-022723

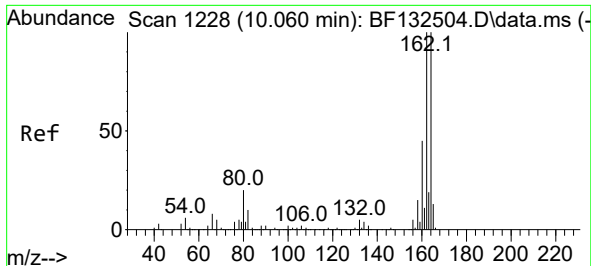
Tgt Ion: 82 Resp: 257803
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.843 ng
RT: 8.063 min Scan# 931
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 119.4 102.6 142.6
77 113.8 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.051 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-03-022723

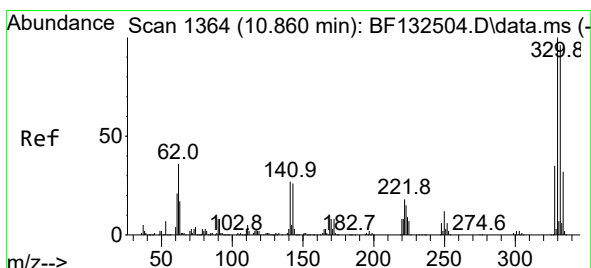
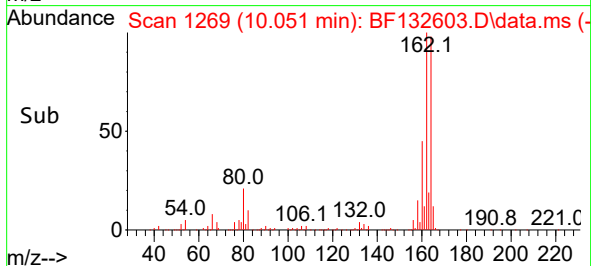
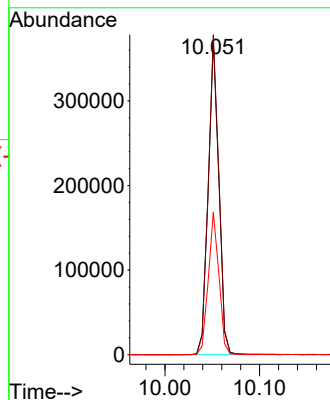
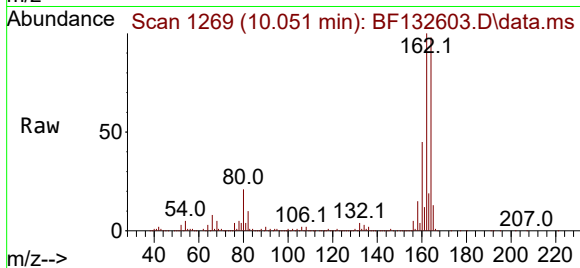
Tgt Ion:164 Resp: 287869

Ion Ratio Lower Upper

164 100

162 101.8 79.8 119.8

160 45.3 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 29.254 ng

RT: 10.845 min Scan# 1404

Delta R.T. -0.003 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

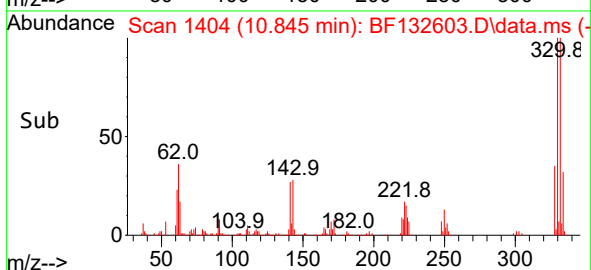
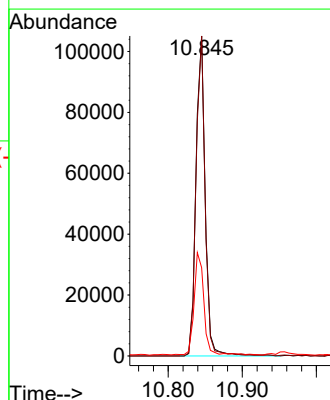
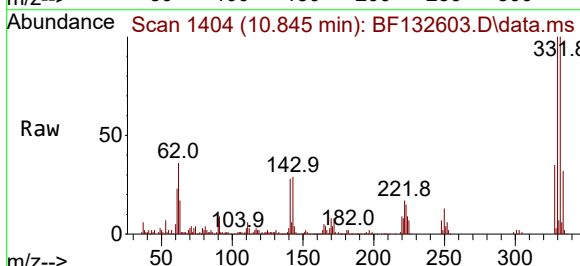
Tgt Ion:330 Resp: 90947

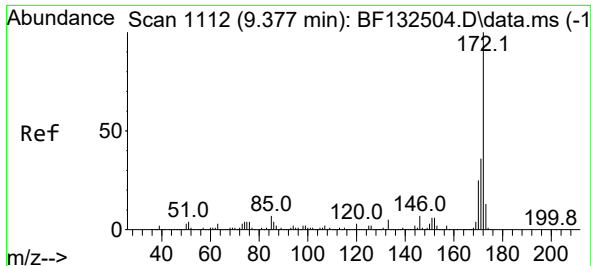
Ion Ratio Lower Upper

330 100

332 97.9 76.2 114.4

141 34.3 28.4 42.6

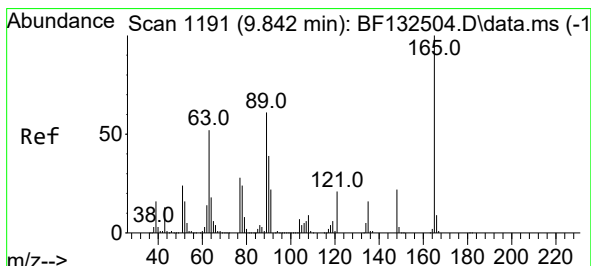
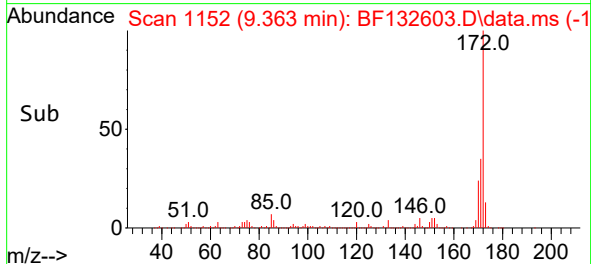
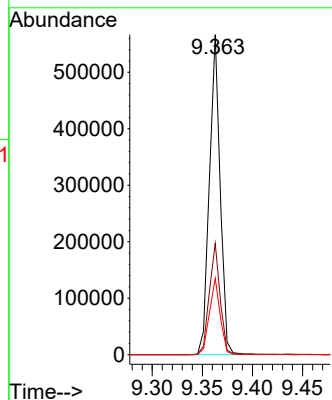
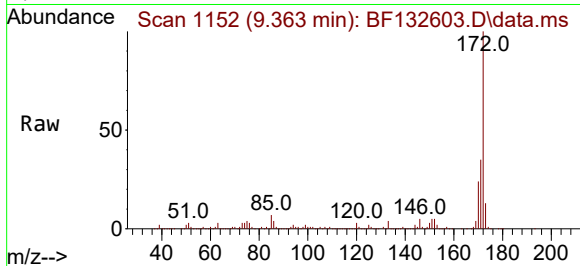




#45
2-Fluorobiphenyl
Concen: 22.479 ng
RT: 9.363 min Scan# 1112
Delta R.T. -0.009 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

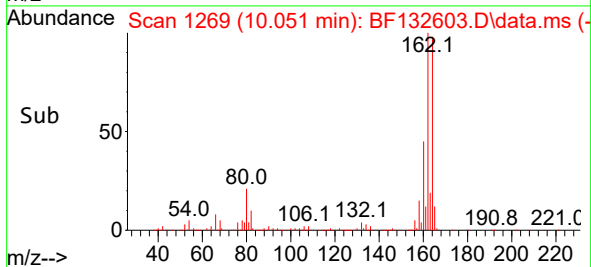
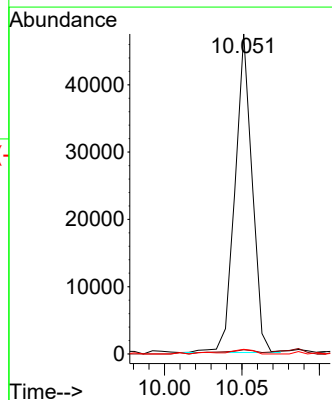
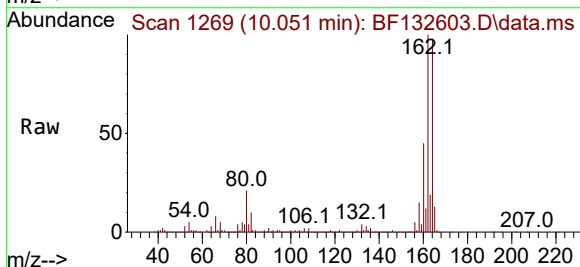
Instrument :
BNA_F
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OR-03-022723

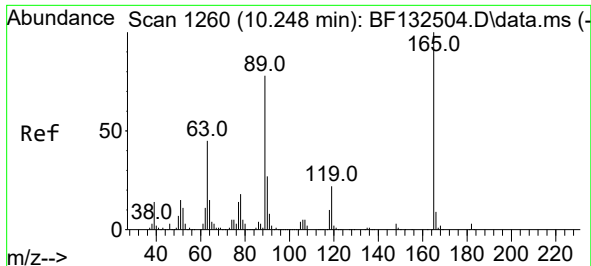
Tgt Ion:172 Resp: 424982
Ion Ratio Lower Upper
172 100
171 34.7 28.8 43.2
170 23.9 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.610 ng
RT: 10.051 min Scan# 1269
Delta R.T. 0.215 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion:165 Resp: 36327
Ion Ratio Lower Upper
165 100
63 1.3 47.3 70.9#
89 1.5 48.9 73.3#





#57

2,4-Dinitrotoluene

Concen: 5.720 ng

RT: 10.051 min Scan# 1390

Delta R.T. -0.191 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-03-022723

Tgt Ion:165 Resp: 36327

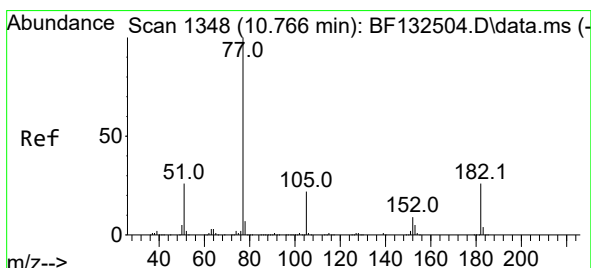
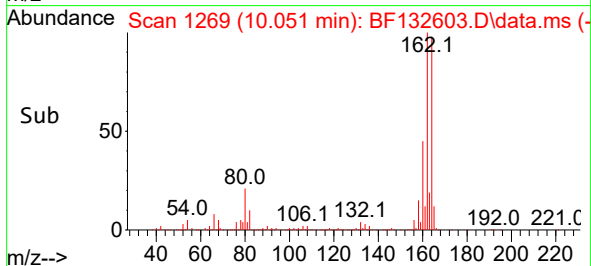
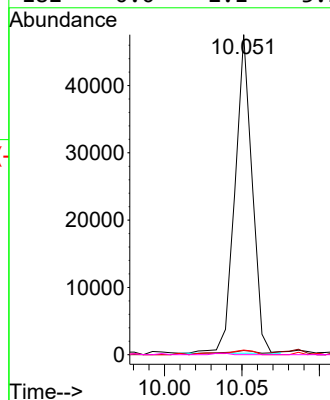
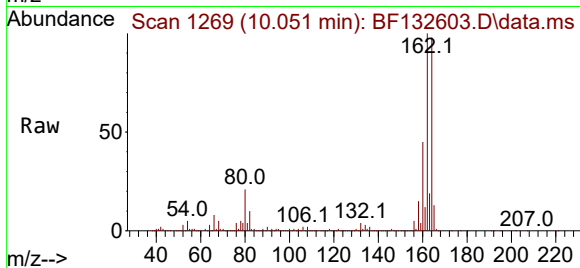
Ion Ratio Lower Upper

165 100

63 1.3 36.5 54.7#

89 1.5 62.4 93.6#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 3.222 ng

RT: 10.763 min Scan# 1390

Delta R.T. 0.009 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

Tgt Ion: 77 Resp: 69860

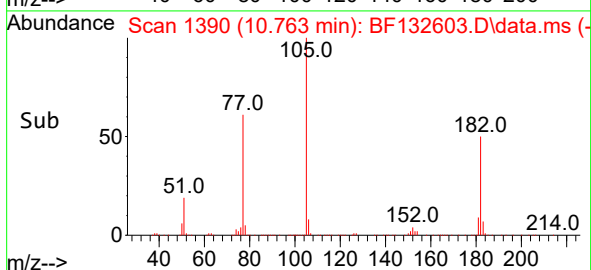
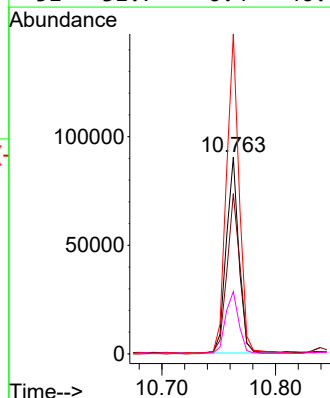
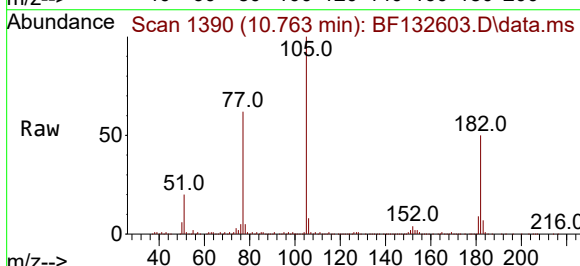
Ion Ratio Lower Upper

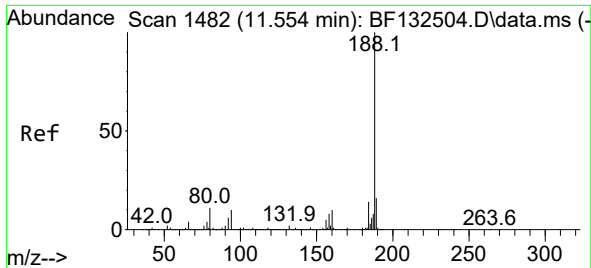
77 100

182 81.5 5.5 45.5#

105 162.6 1.8 41.8#

51 31.7 6.4 46.4

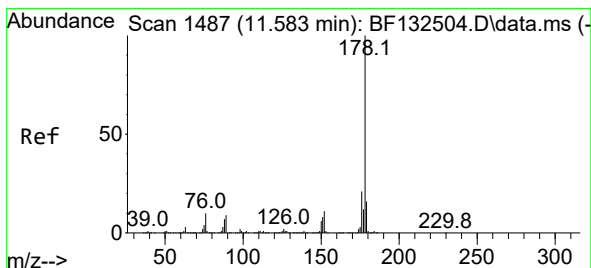
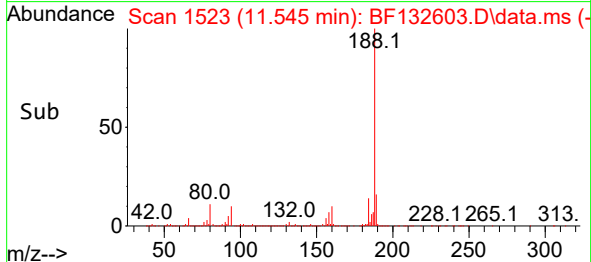
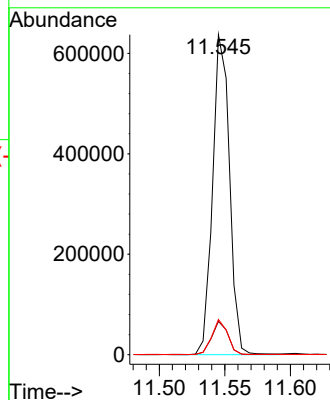
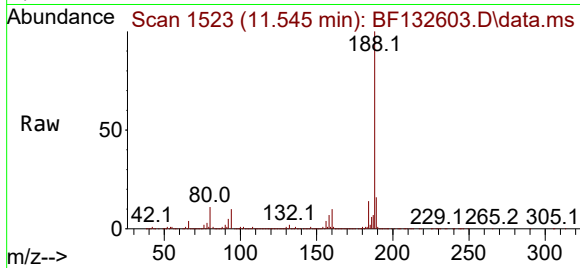




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

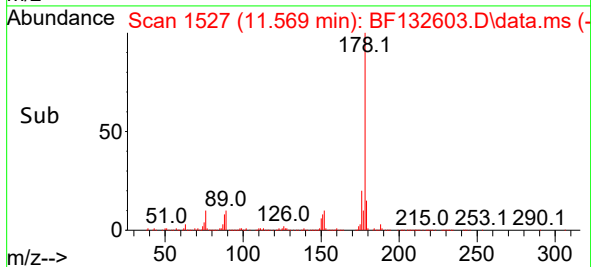
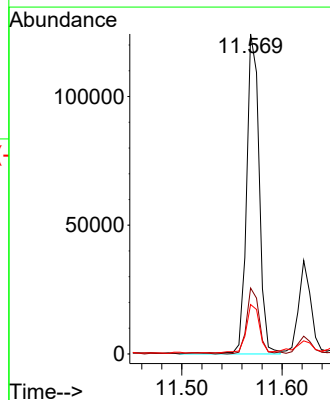
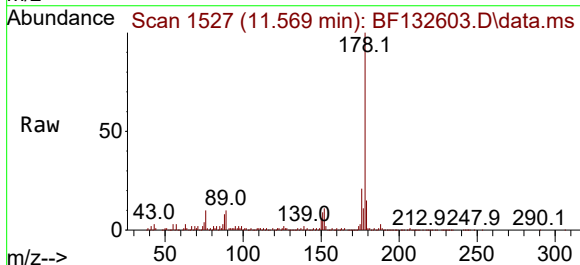
Instrument :
BNA_F
ClientSampleId :
OR-03-022723

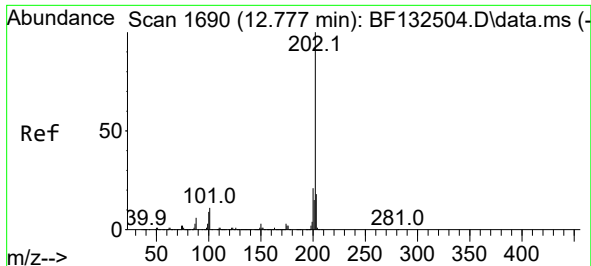
Tgt Ion:188 Resp: 571778
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.0 8.7 13.1



#71
Phenanthrene
Concen: 3.682 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion:178 Resp: 109073
Ion Ratio Lower Upper
178 100
176 20.6 16.5 24.7
179 15.5 13.0 19.6

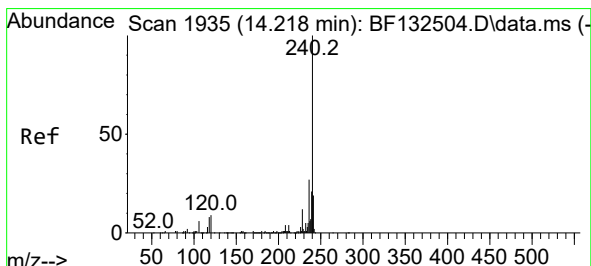
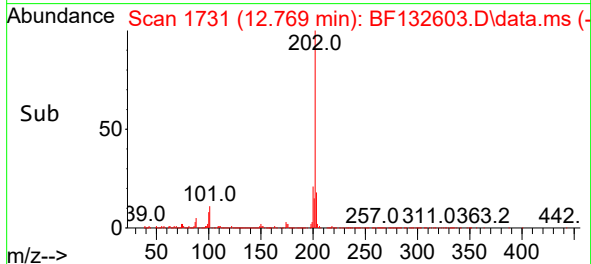
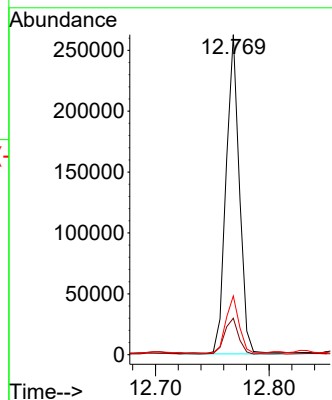
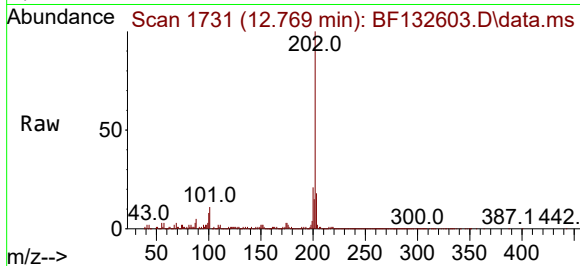




#75
Fluoranthene
Concen: 6.600 ng
RT: 12.769 min Scan# 1731
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

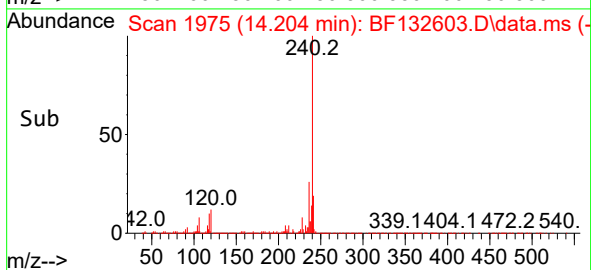
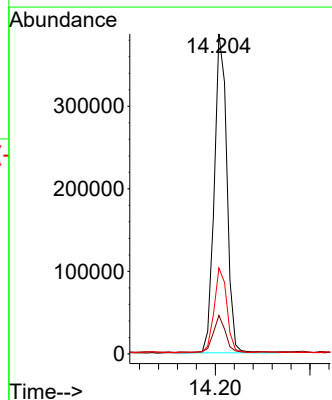
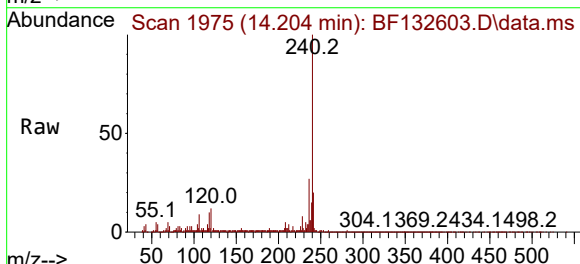
Instrument :
BNA_F
ClientSampleId :
OR-03-022723

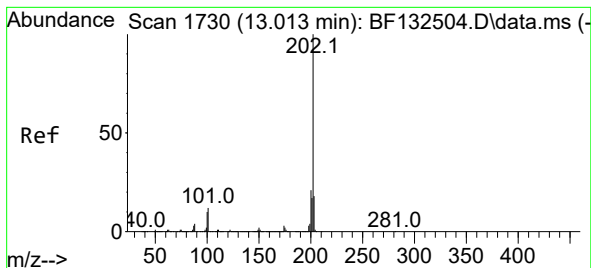
Tgt Ion:202 Resp: 213728
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion:240 Resp: 357431
Ion Ratio Lower Upper
240 100
120 12.1 7.2 10.8#
236 26.9 21.8 32.6





#78

Pyrene

Concen: 6.566 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-03-022723

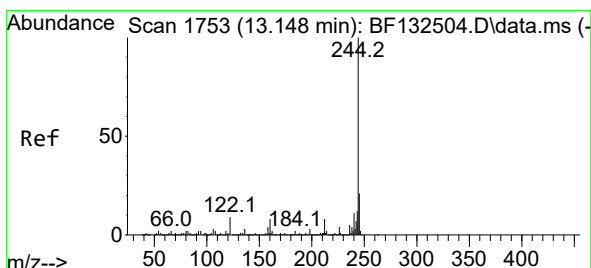
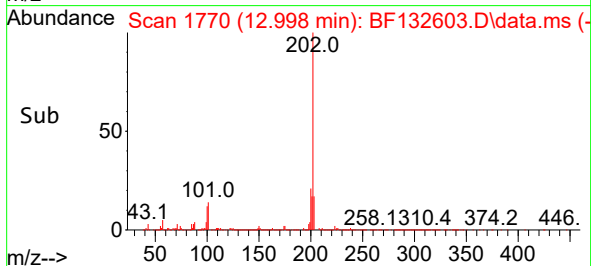
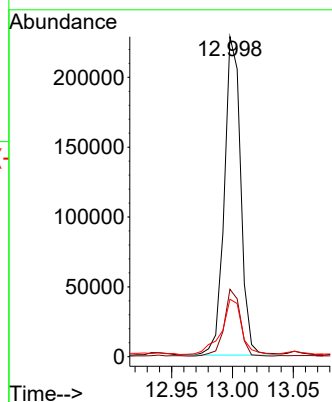
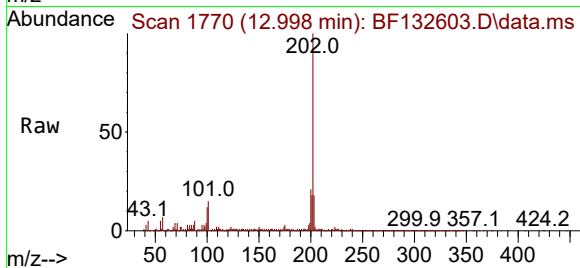
Tgt Ion:202 Resp: 213362

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 24.718 ng

RT: 13.133 min Scan# 1793

Delta R.T. -0.009 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

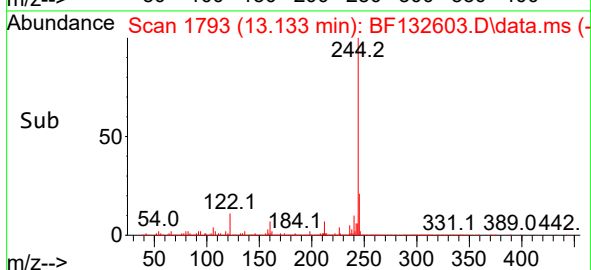
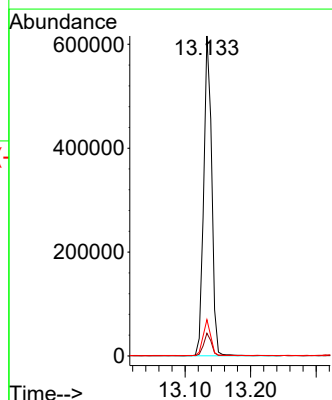
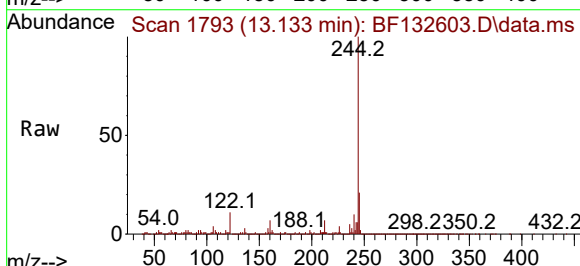
Tgt Ion:244 Resp: 522539

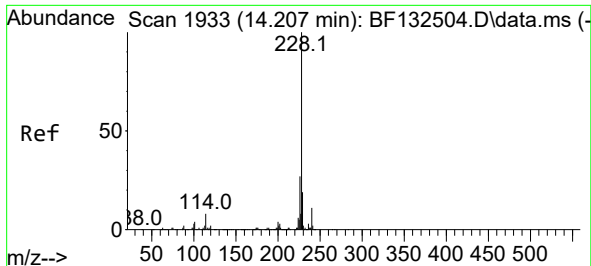
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 11.3 7.5 11.3#

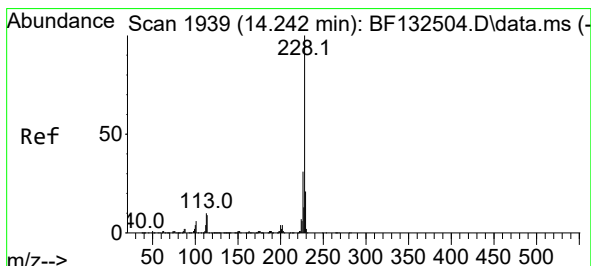
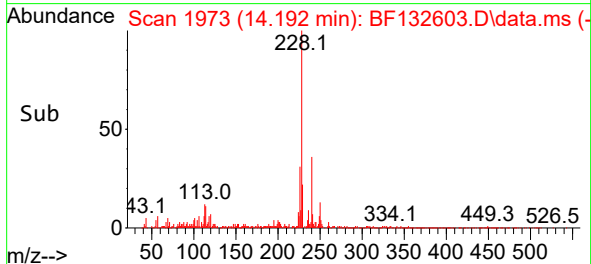
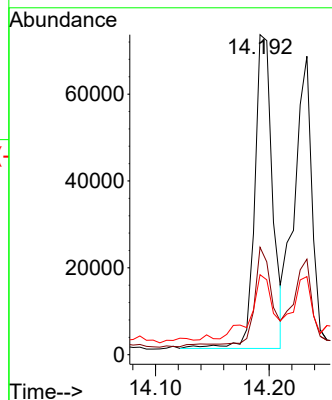
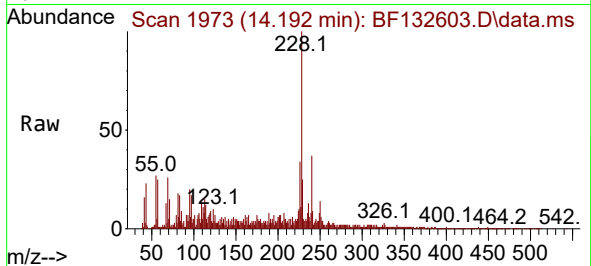




#81
Benzo(a)anthracene
Concen: 2.951 ng
RT: 14.192 min Scan# 1980
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

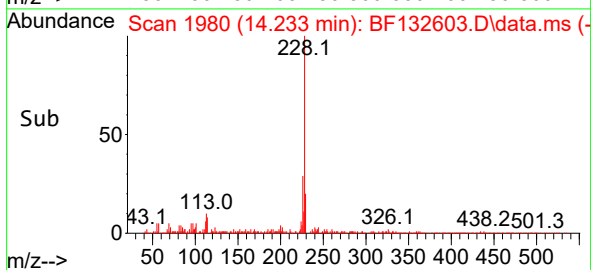
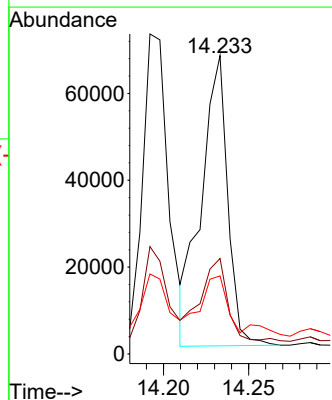
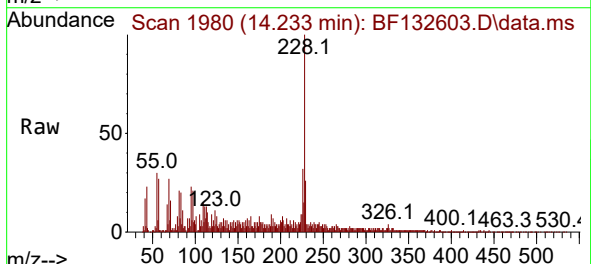
Instrument :
BNA_F
ClientSampleId :
OR-03-022723

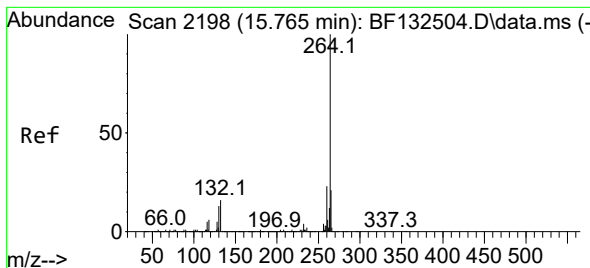
Tgt Ion:228 Resp: 78924
Ion Ratio Lower Upper
228 100
226 33.6 21.7 32.5#
229 25.0 15.4 23.2#



#83
Chrysene
Concen: 2.891 ng
RT: 14.233 min Scan# 1980
Delta R.T. -0.003 min
Lab File: BF132603.D
Acq: 01 Mar 2023 21:30

Tgt Ion:228 Resp: 72300
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 26.2 16.4 24.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.762 min Scan# 2198

Delta R.T. 0.009 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-03-022723

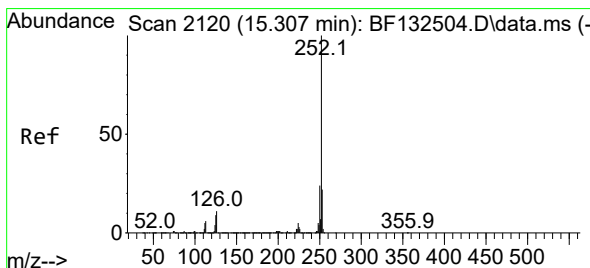
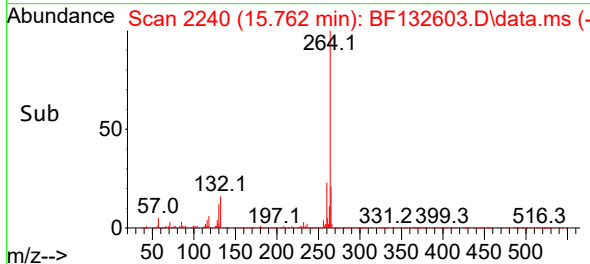
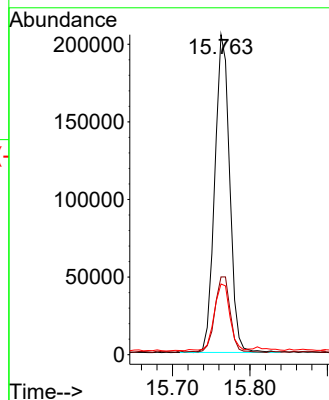
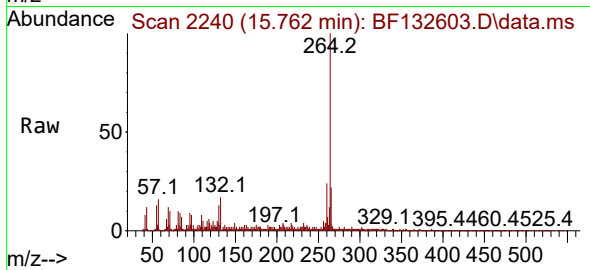
Tgt Ion:264 Resp: 273363

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 5.275 ng

RT: 15.298 min Scan# 2161

Delta R.T. 0.003 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

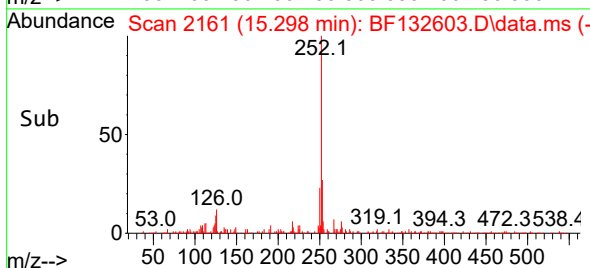
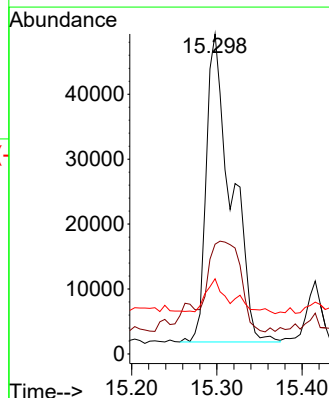
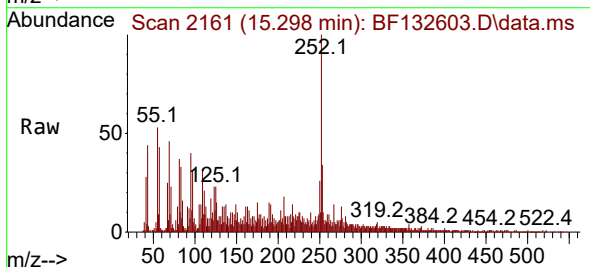
Tgt Ion:252 Resp: 96632

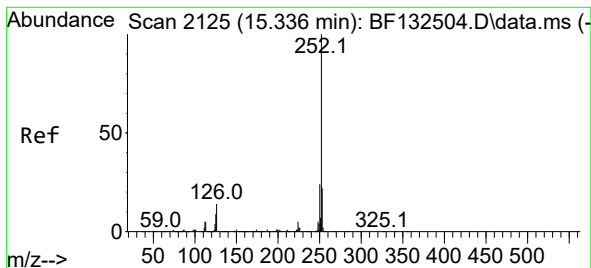
Ion Ratio Lower Upper

252 100

253 34.3 17.4 26.0#

125 23.5 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 5.390 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.026 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-03-022723

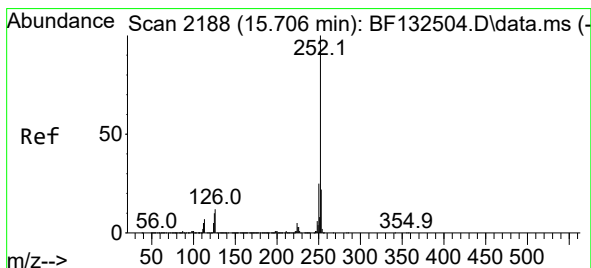
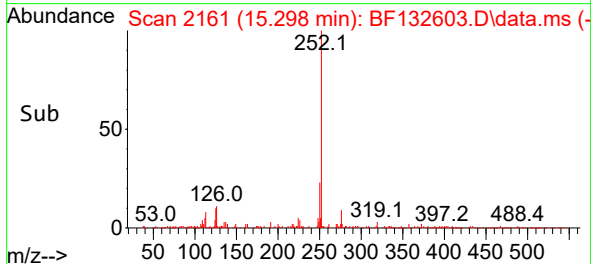
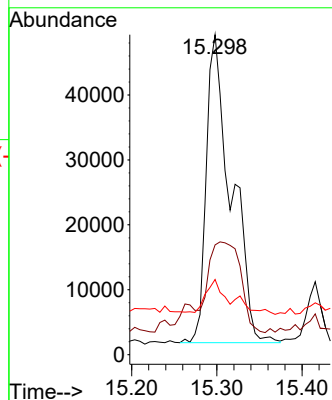
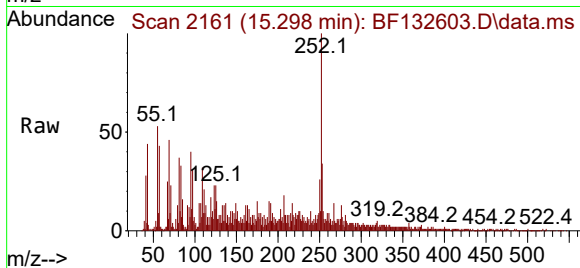
Tgt Ion:252 Resp: 96632

Ion Ratio Lower Upper

252 100

253 34.3 17.5 26.3#

125 23.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 2.907 ng

RT: 15.692 min Scan# 2228

Delta R.T. 0.003 min

Lab File: BF132603.D

Acq: 01 Mar 2023 21:30

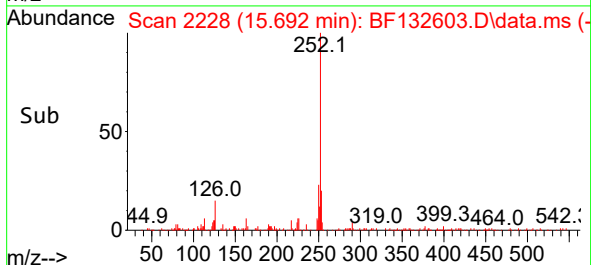
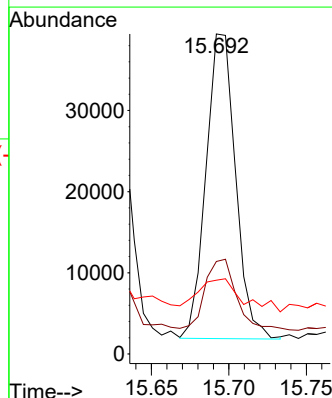
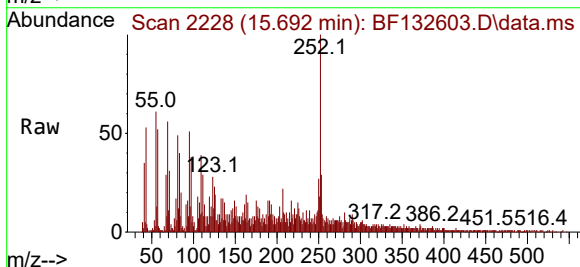
Tgt Ion:252 Resp: 49839

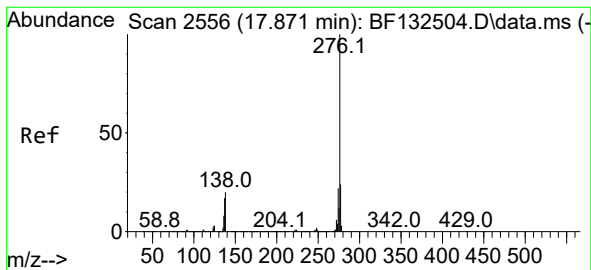
Ion Ratio Lower Upper

252 100

253 28.9 17.2 25.8#

125 23.0 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.437 ng
 RT: 17.856 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BF132603.D
 Acq: 01 Mar 2023 21:30

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022723

Tgt Ion: 276 Resp: 31103
 Ion Ratio Lower Upper
 276 100
 277 35.0 18.9 28.3#
 138 29.2 16.2 24.4#

