

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062623\
 Data File : BF133971.D
 Acq On : 27 Jun 2023 03:40
 Operator : CG\JU
 Sample : 03365-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

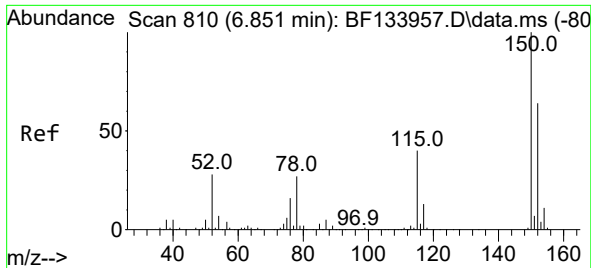
Instrument :
 BNA_F
 ClientSampleId :
 CONC-1

Quant Time: Jun 27 06:03:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	85829	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	303368	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	121545	20.000	ng	0.03
64) Phenanthrene-d10	11.533	188	121046	20.000	ng	# 0.15
76) Chrysene-d12	14.139	240	95559	20.000	ng	# 0.09
86) Perylene-d12	15.604	264	85005	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	383240	74.692	ng	0.00
7) Phenol-d6	6.487	99	453554	71.878	ng	0.00
23) Nitrobenzene-d5	7.410	82	321685	57.160	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	34514	22.648	ng	0.05
45) 2-Fluorobiphenyl	9.228	172	662740	79.275	ng	0.02
79) Terphenyl-d14	13.121	244	288328	48.561	ng	0.14
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	2305	Below Cal		92
19) n-Nitroso-di-n-propyla...	7.410	70	47606	11.897 ng	#	81
25) Isophorone	7.410	82	319884	31.275 ng	#	64
51) 2,6-Dinitrotoluene	9.698	165	9886	5.202 ng	#	43
53) 3-Nitroaniline	9.875	138	8724	3.827 ng	#	23
54) 2,4-Dinitrophenol	10.039	184	162	4.004 ng	#	1
57) 2,4-Dinitrotoluene	10.110	165	6370	2.538 ng	#	47
62) 4-Nitroaniline	10.386	138	62315	27.123 ng		95
63) Azobenzene	10.657	77	31626	3.637 ng	#	42
65) 4,6-Dinitro-2-methylph...	10.645	198	8899	13.485 ng	#	1
66) n-Nitrosodiphenylamine	10.633	169	127547	32.980 ng	#	63
67) 4-Bromophenyl-phenylether	11.039	248	3273	2.544 ng	#	1
70) Pentachlorophenol	11.310	266	5552	6.797 ng	#	4
71) Phenanthrene	11.563	178	63603	10.438 ng	#	1
74) Di-n-butylphthalate	12.110	149	86407	12.525 ng	#	17
77) Benzidine	12.839	184	6284	2.764 ng	#	1
84) Bis(2-ethylhexyl)phtha...	14.086	149	12296	3.208 ng	#	47

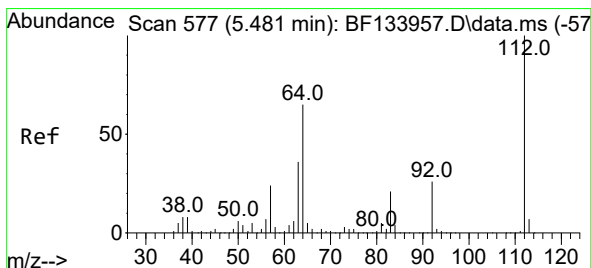
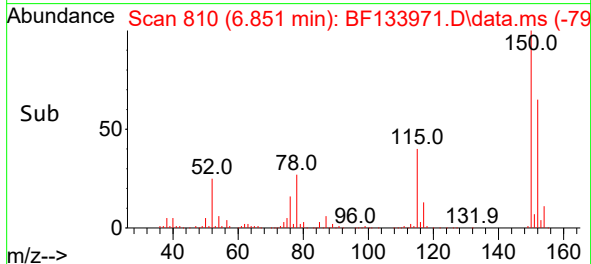
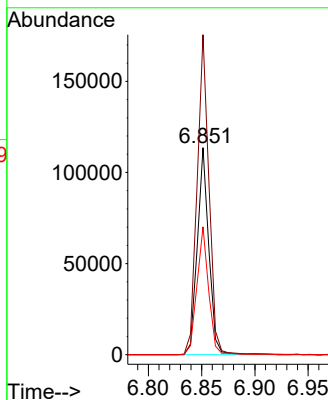
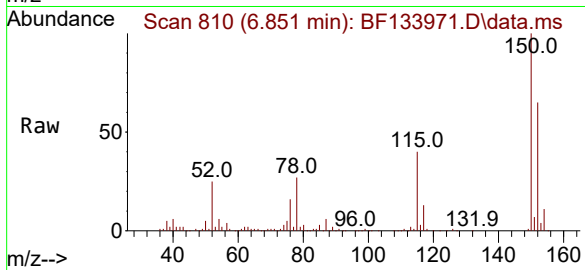
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

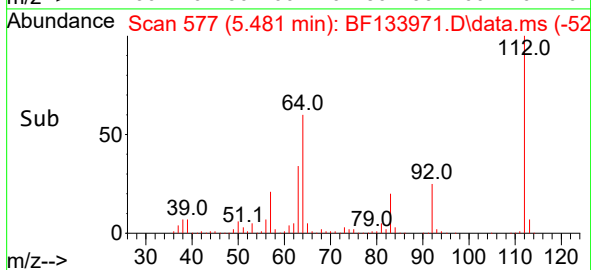
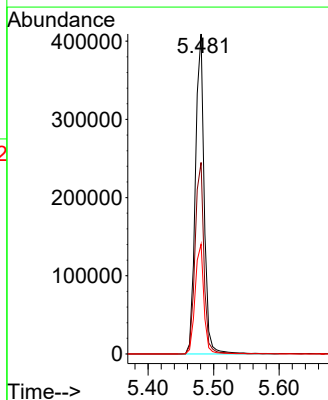
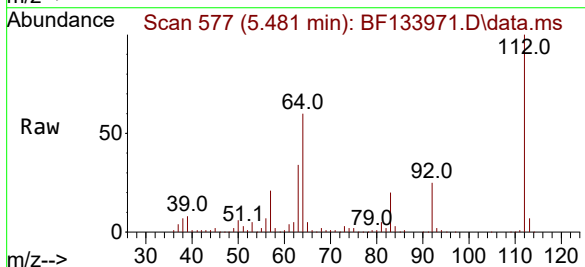
Instrument :
BNA_F
ClientSampleId :
CONC-1

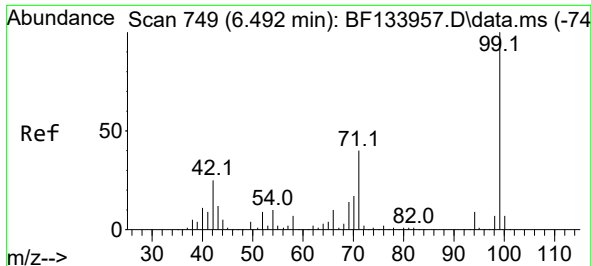
Tgt Ion:152 Resp: 85829
Ion Ratio Lower Upper
152 100
150 154.6 124.5 186.7
115 61.7 50.2 75.2



#5
2-Fluorophenol
Concen: 74.692 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion:112 Resp: 383240
Ion Ratio Lower Upper
112 100
64 59.9 52.1 78.1
63 34.3 28.6 42.8

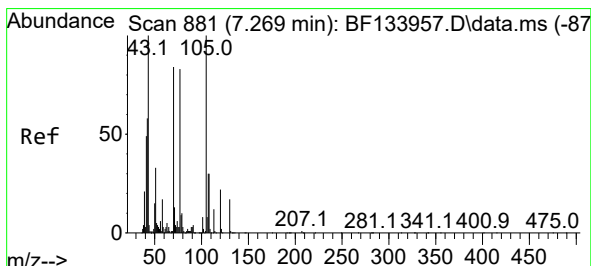
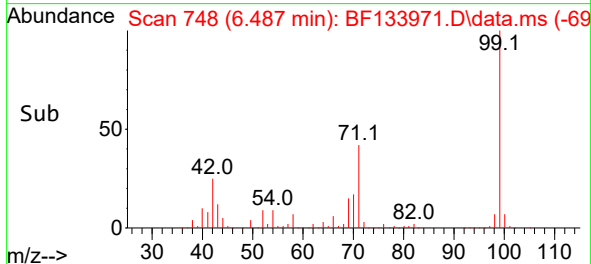
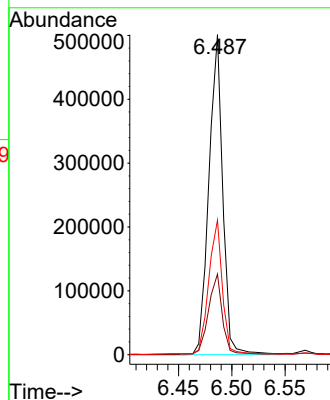
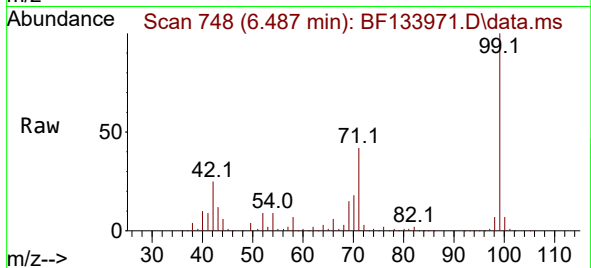




#7
Phenol-d6
Concen: 71.878 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

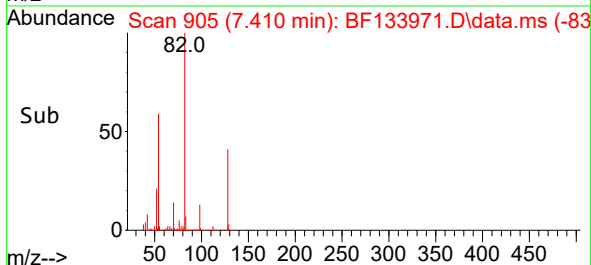
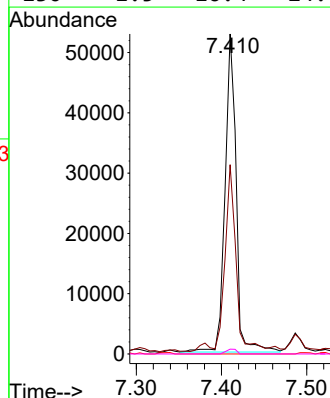
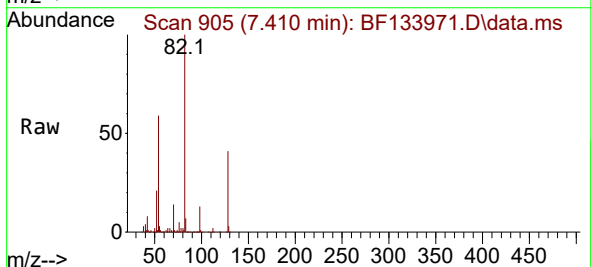
Instrument :
BNA_F
ClientSampleId :
CONC-1

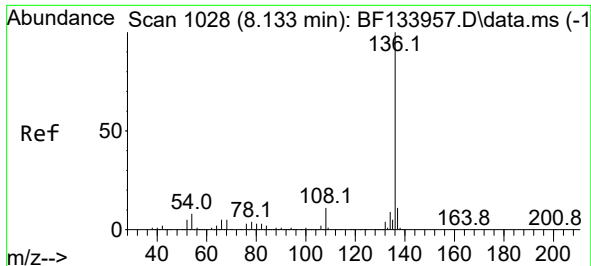
Tgt Ion: 99 Resp: 453554
Ion Ratio Lower Upper
99 100
42 25.2 19.8 29.6
71 42.1 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.897 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion: 70 Resp: 47606
Ion Ratio Lower Upper
70 100
42 59.1 54.7 82.1
101 0.0 7.7 11.5#
130 1.5 16.4 24.6#



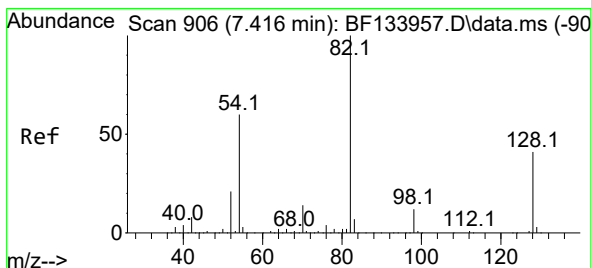
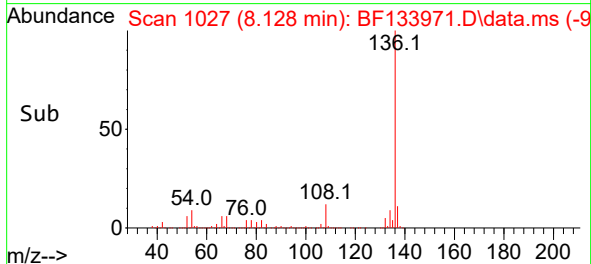
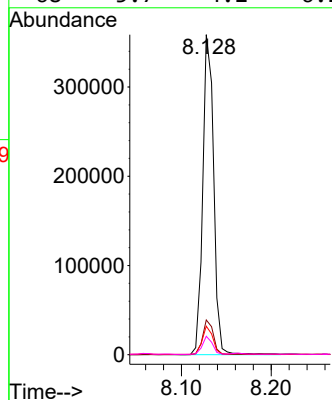
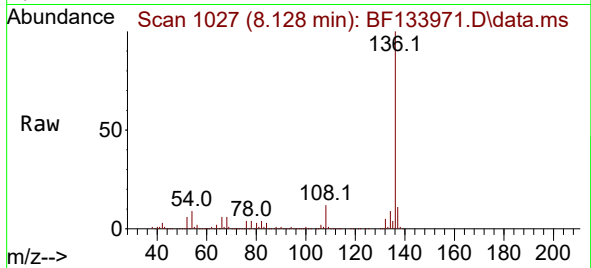


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Instrument :
BNA_F
ClientSampleId :
CONC-1

Tgt Ion:136 Resp: 303368

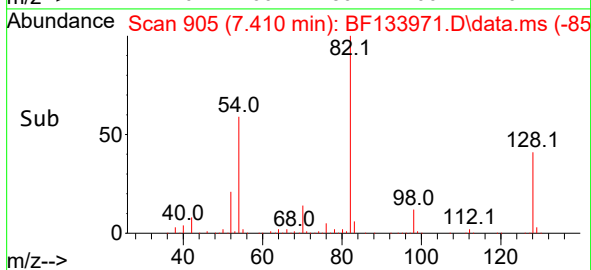
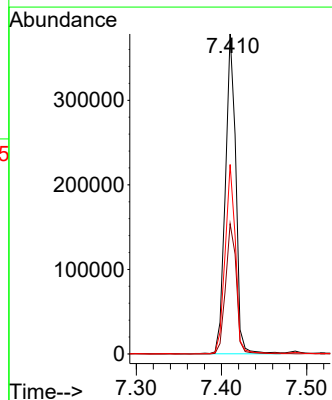
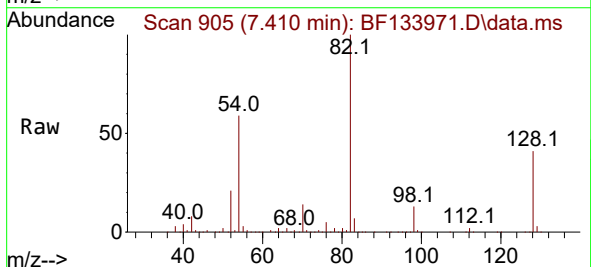
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.9	6.5	9.7
68	5.7	4.2	6.2



#23
Nitrobenzene-d5
Concen: 57.160 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion: 82 Resp: 321685

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.5	48.7
54	59.2	48.2	72.2

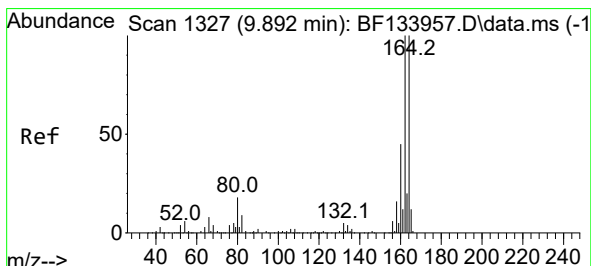
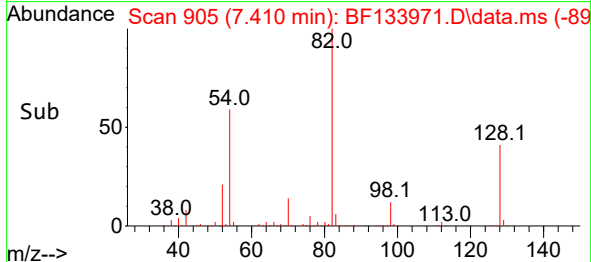
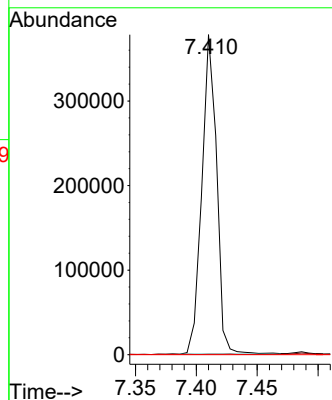
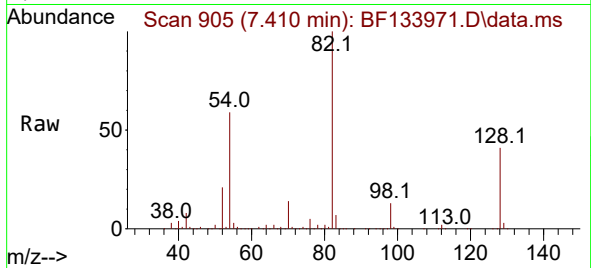




#25
Isophorone
Concen: 31.275 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

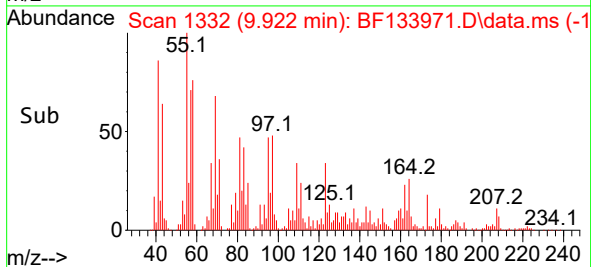
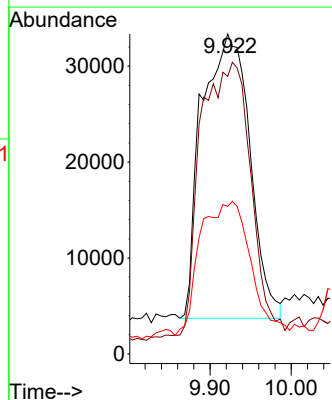
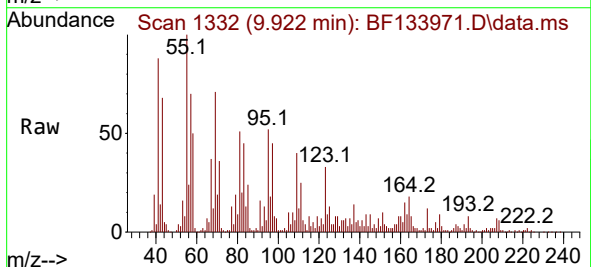
Instrument :
BNA_F
ClientSampleId :
CONC-1

Tgt Ion: 82 Resp: 319884
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.030 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion:164 Resp: 121545
Ion Ratio Lower Upper
164 100
162 86.8 80.0 120.0
160 46.1 35.9 53.9

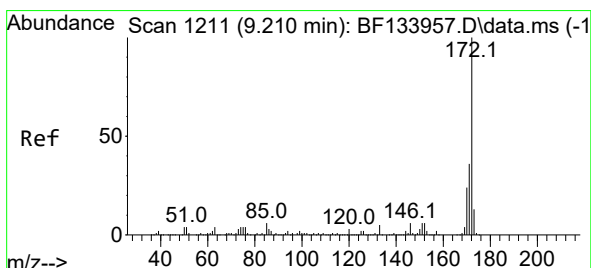
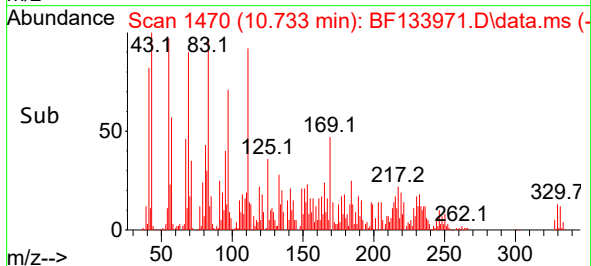
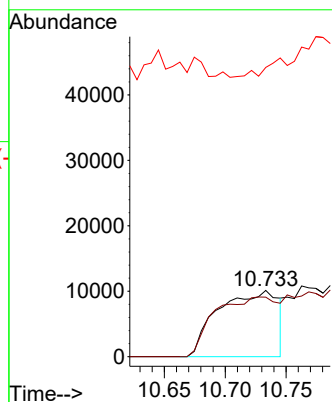
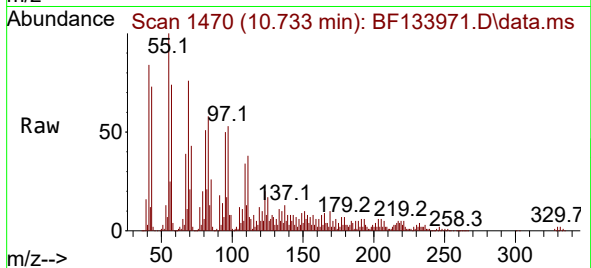




#42
2,4,6-Tribromophenol
Concen: 22.648 ng
RT: 10.733 min Scan# 1462
Delta R.T. 0.047 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

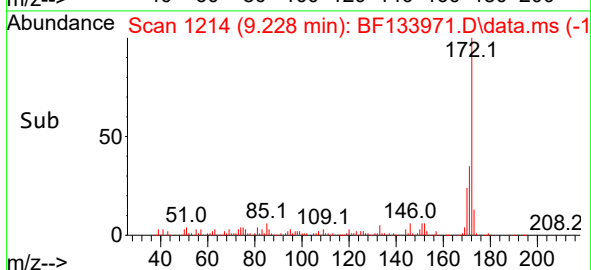
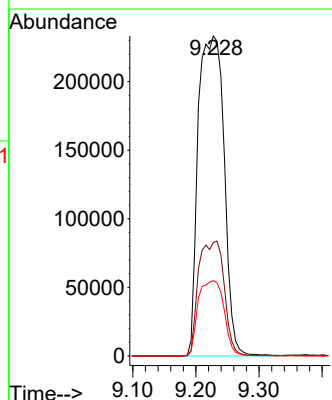
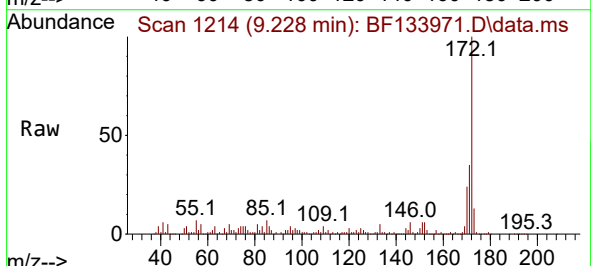
Instrument :
BNA_F
ClientSampleId :
CONC-1

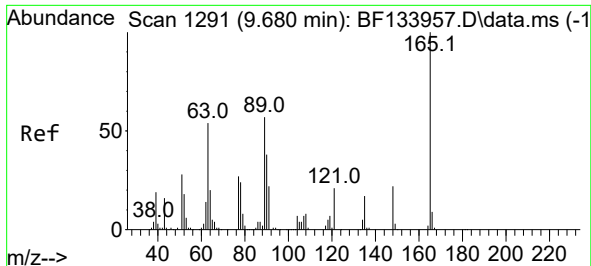
Tgt Ion:330 Resp: 34514
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 0.0 26.3 39.5#



#45
2-Fluorobiphenyl
Concen: 79.275 ng
RT: 9.228 min Scan# 1214
Delta R.T. 0.018 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion:172 Resp: 662740
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.5 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 5.202 ng

RT: 9.698 min Scan# 1294

Delta R.T. 0.018 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Instrument :

BNA_F

ClientSampleId :

CONC-1

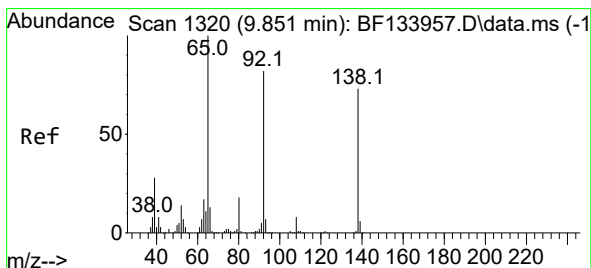
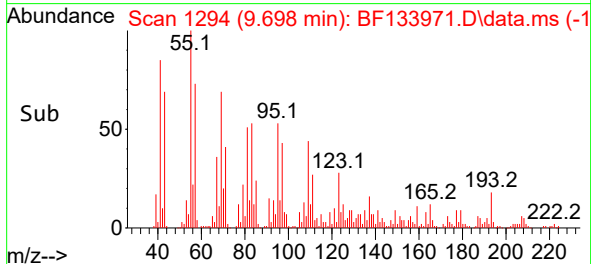
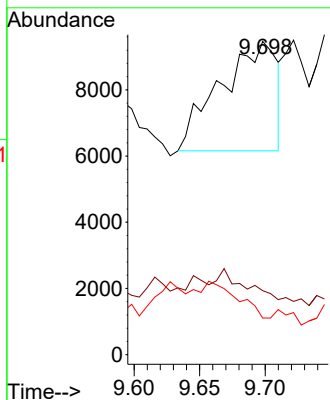
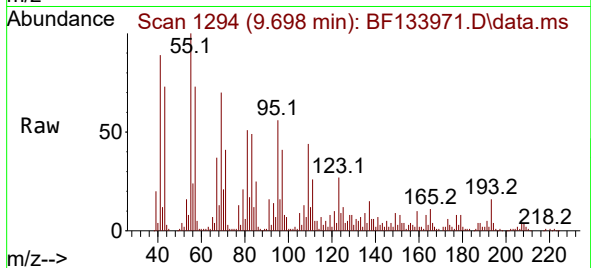
Tgt Ion:165 Resp: 9886

Ion Ratio Lower Upper

165 100

63 20.4 48.5 72.7#

89 11.7 45.5 68.3#



#53

3-Nitroaniline

Concen: 3.827 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.024 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

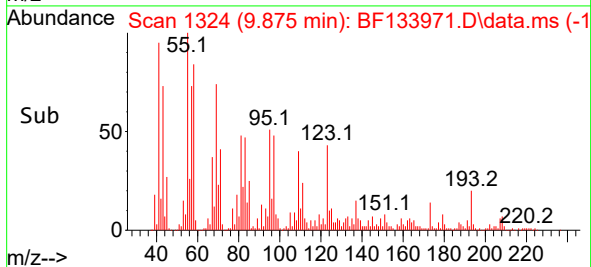
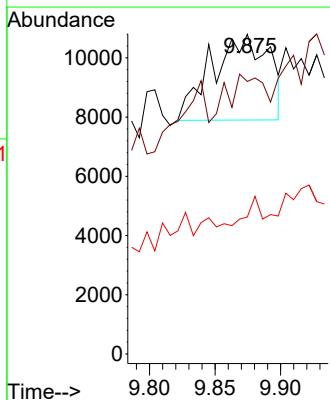
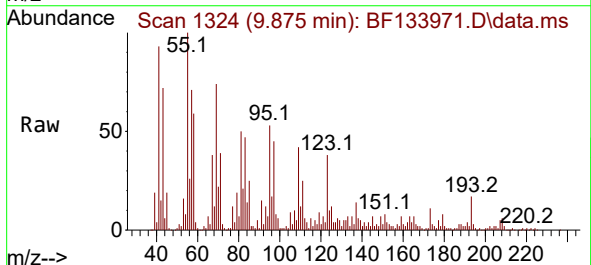
Tgt Ion:138 Resp: 8724

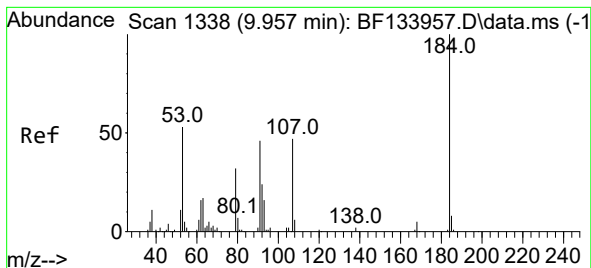
Ion Ratio Lower Upper

138 100

108 85.3 8.4 12.6#

92 42.9 90.1 135.1#





#54

2,4-Dinitrophenol

Concen: 4.004 ng

RT: 10.039 min Scan# 1

Delta R.T. 0.082 min

Lab File: BF133971.D

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BNA_F

ClientSampleId :

CONC-1

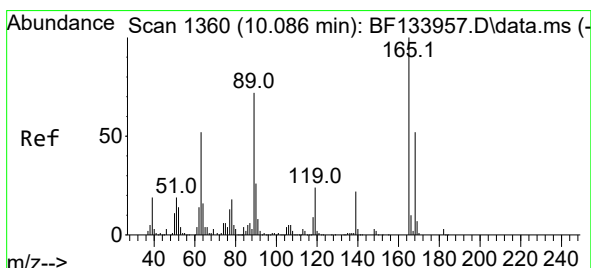
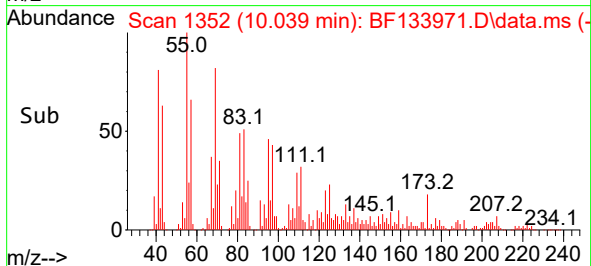
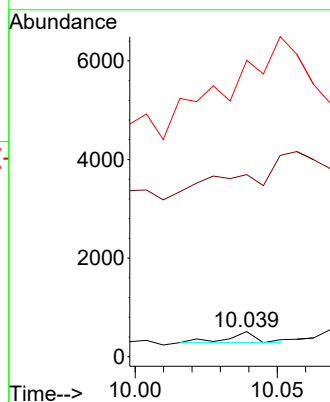
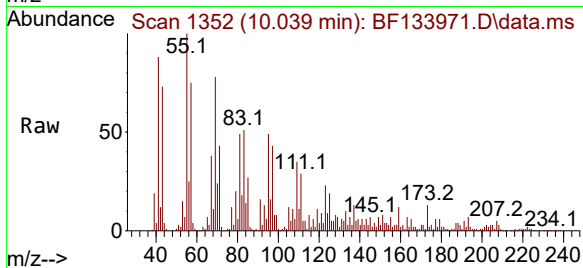
Tgt Ion:184 Resp: 162

Ion Ratio Lower Upper

184 100

63 724.1 56.9 85.3#

154 1178.6 55.4 83.0#



#57

2,4-Dinitrotoluene

Concen: 2.538 ng

RT: 10.110 min Scan# 1364

Delta R.T. 0.024 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Tgt Ion:165 Resp: 6370

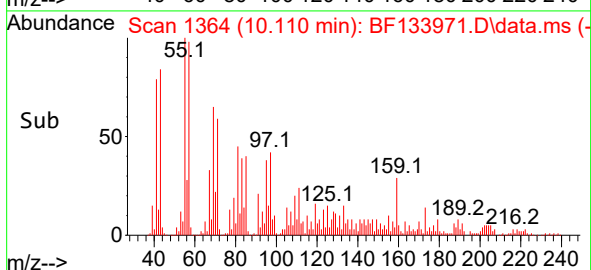
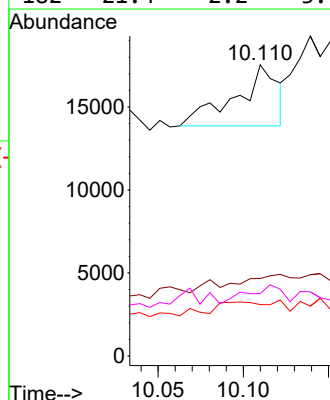
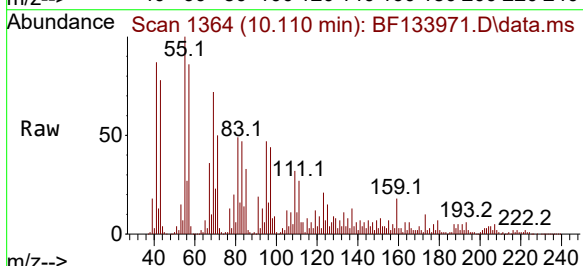
Ion Ratio Lower Upper

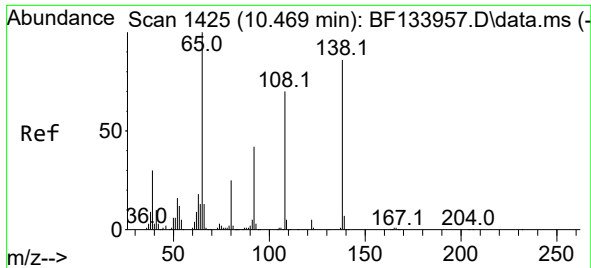
165 100

63 26.6 42.2 63.2#

89 17.7 57.4 86.2#

182 21.4 2.2 3.4#

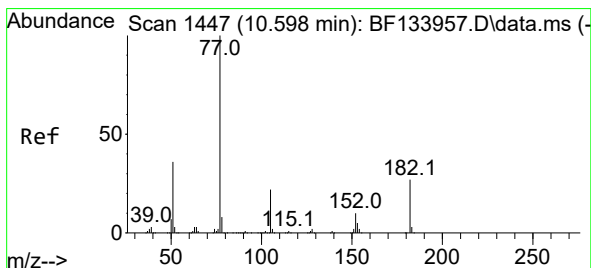
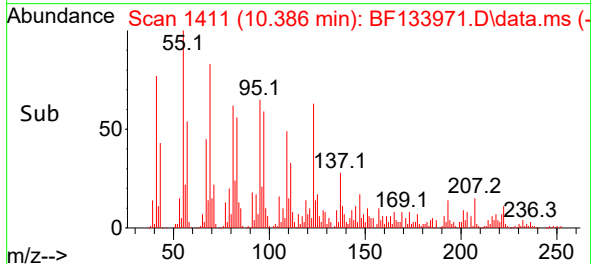
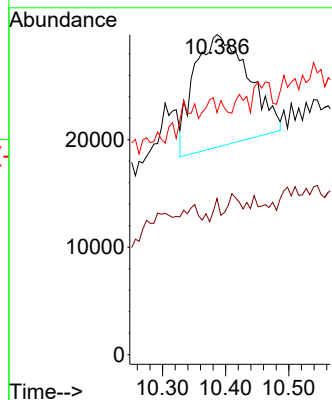
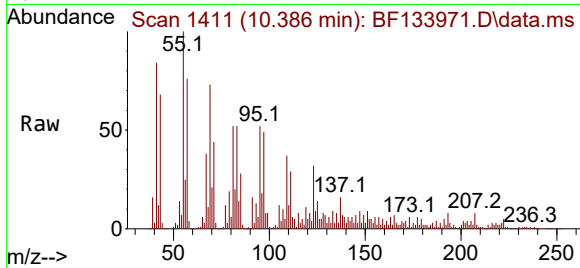




#62
4-Nitroaniline
Concen: 27.123 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.082 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

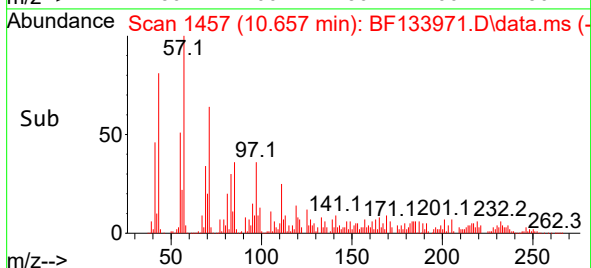
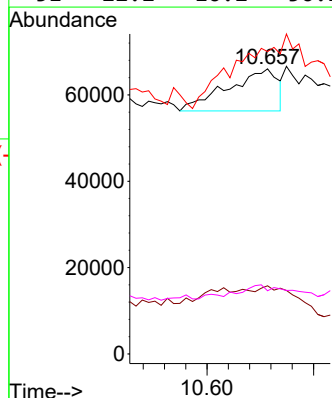
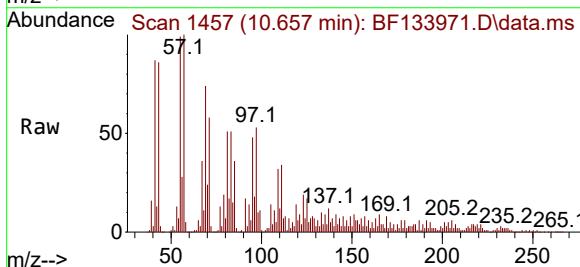
Instrument :
BNA_F
ClientSampleId :
CONC-1

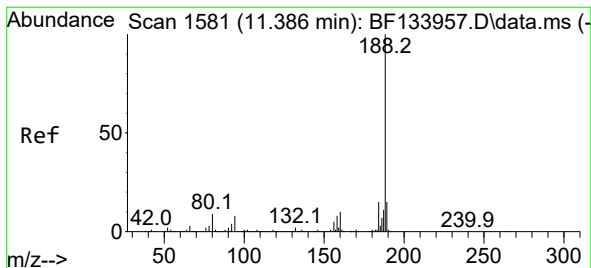
Tgt Ion:138 Resp: 62315
Ion Ratio Lower Upper
138 100
92 48.8 29.7 69.7
108 75.7 62.1 102.1



#63
Azobenzene
Concen: 3.637 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.059 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion: 77 Resp: 31626
Ion Ratio Lower Upper
77 100
182 23.9 6.8 46.8
105 106.1 2.3 42.3#
51 22.2 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.533 min Scan# 1

Delta R.T. 0.147 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Instrument :

BNA_F

ClientSampleId :

CONC-1

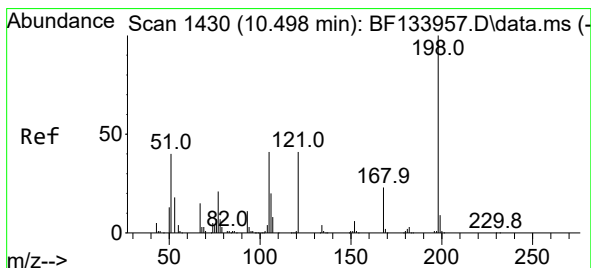
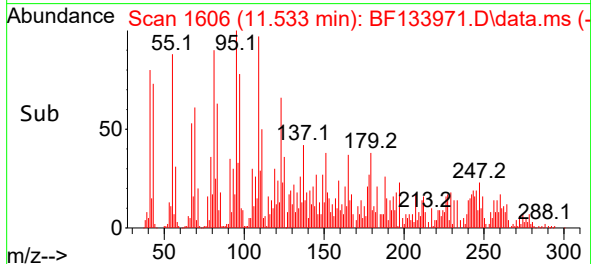
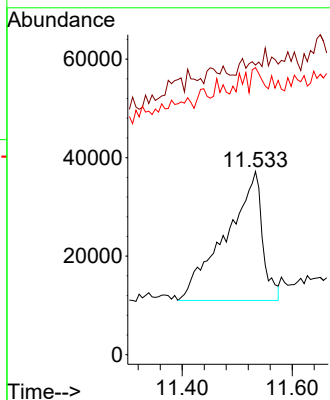
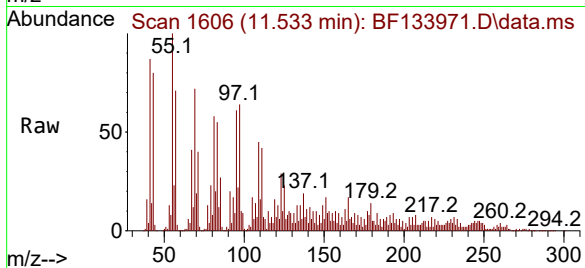
Tgt Ion:188 Resp: 121046

Ion Ratio Lower Upper

188 100

94 158.1 6.4 9.6#

80 156.6 7.3 10.9#



#65

4,6-Dinitro-2-methylphenol

Concen: 13.485 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.147 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

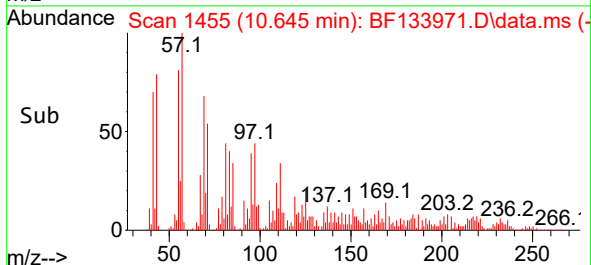
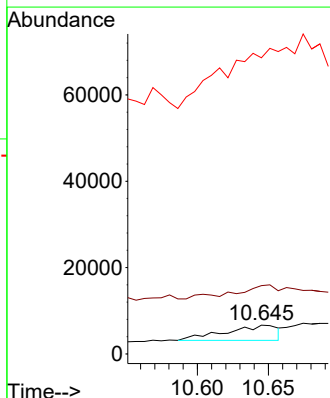
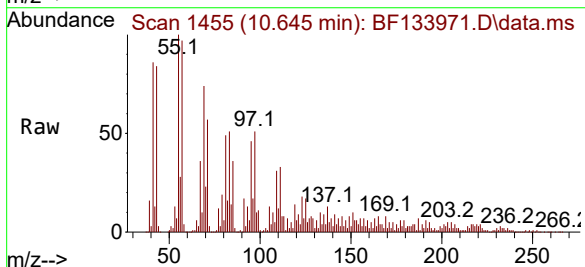
Tgt Ion:198 Resp: 8899

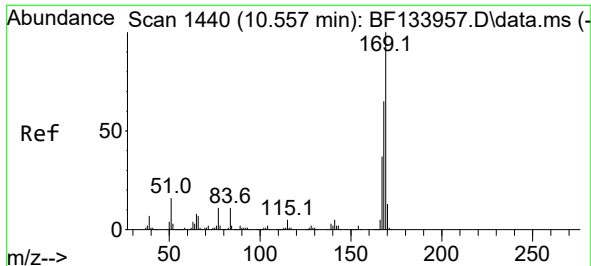
Ion Ratio Lower Upper

198 100

51 237.1 29.3 69.3#

105 1026.8 22.4 62.4#

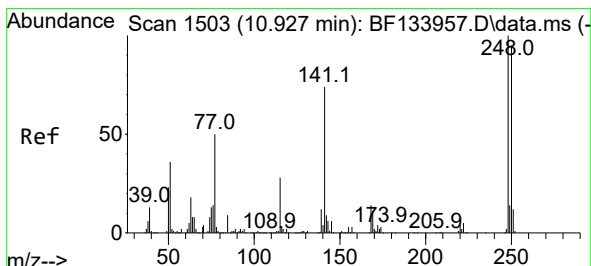
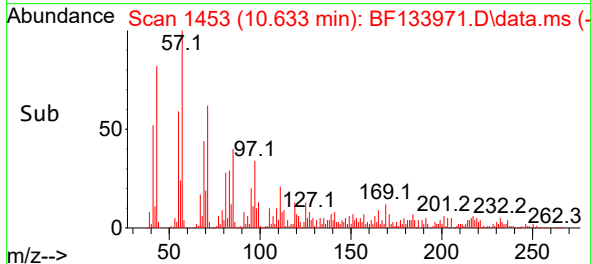
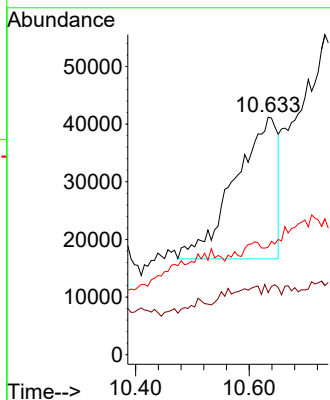
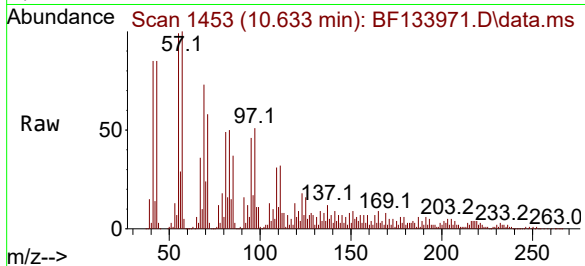




#66
n-Nitrosodiphenylamine
Concen: 32.980 ng
RT: 10.633 min Scan# 1440
Delta R.T. 0.077 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

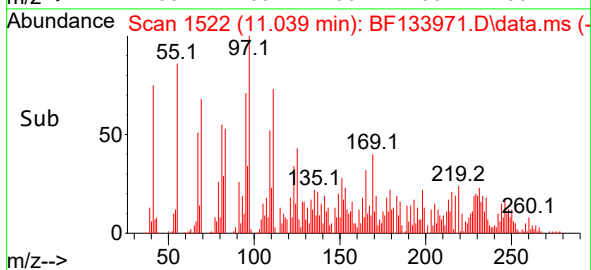
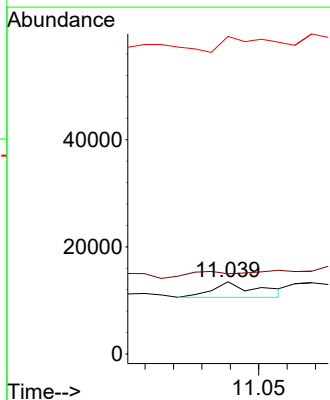
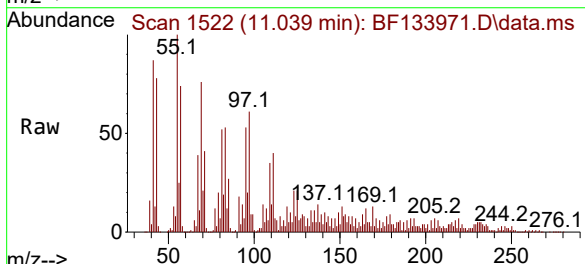
Instrument :
BNA_F
ClientSampleId :
CONC-1

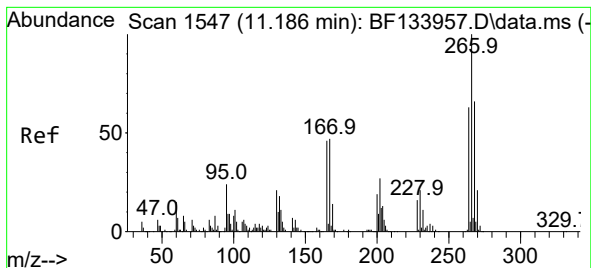
Tgt Ion:169 Resp: 127547
Ion Ratio Lower Upper
169 100
168 26.1 52.3 78.5#
167 45.3 29.4 44.0#



#67
4-Bromophenyl-phenylether
Concen: 2.544 ng
RT: 11.039 min Scan# 1522
Delta R.T. 0.112 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion:248 Resp: 3273
Ion Ratio Lower Upper
248 100
250 111.0 76.2 114.4
141 440.0 59.0 88.4#





#70

Pentachlorophenol

Concen: 6.797 ng

RT: 11.310 min Scan# 11

Delta R.T. 0.124 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Instrument :

BNA_F

ClientSampleId :

CONC-1

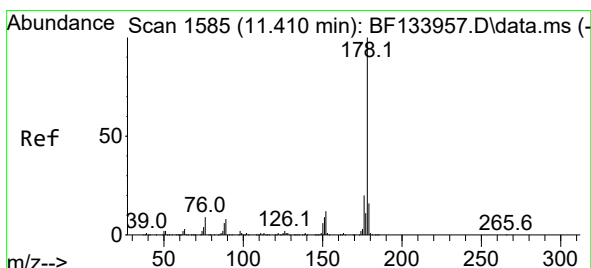
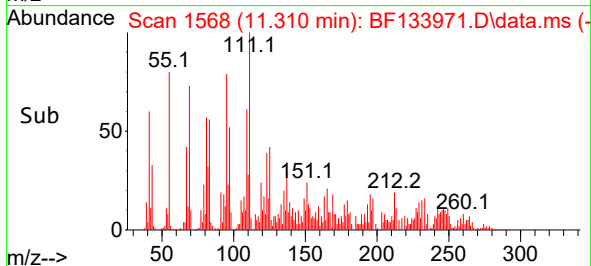
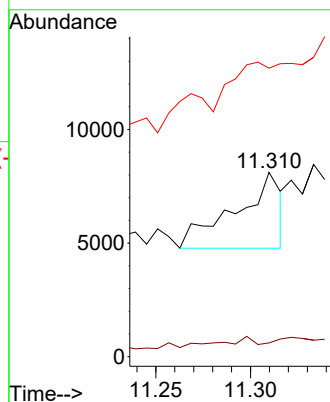
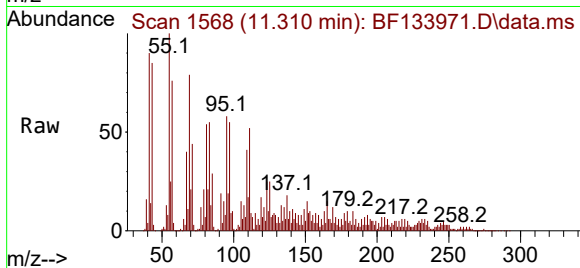
Tgt Ion:266 Resp: 5552

Ion Ratio Lower Upper

266 100

268 7.4 52.6 79.0#

264 156.6 50.6 76.0#



#71

Phenanthrene

Concen: 10.438 ng

RT: 11.563 min Scan# 1611

Delta R.T. 0.153 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

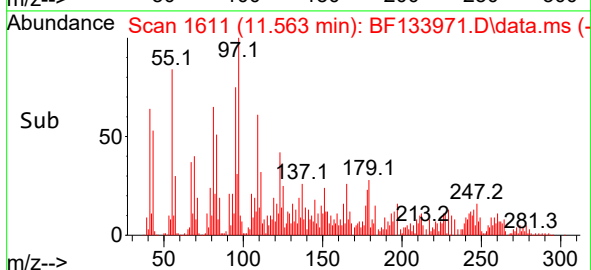
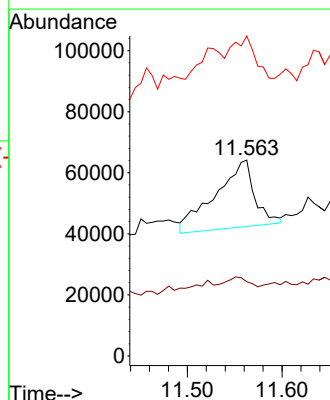
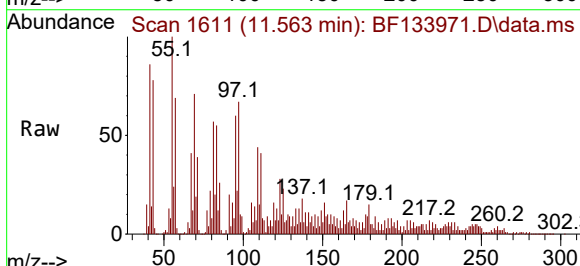
Tgt Ion:178 Resp: 63603

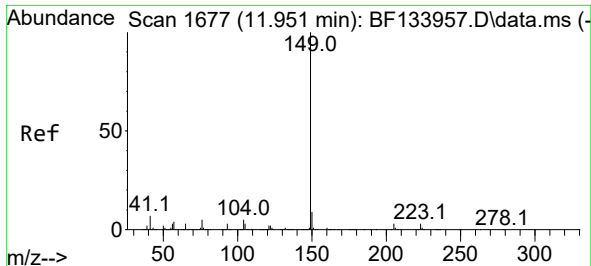
Ion Ratio Lower Upper

178 100

176 37.9 16.0 24.0#

179 163.4 12.4 18.6#

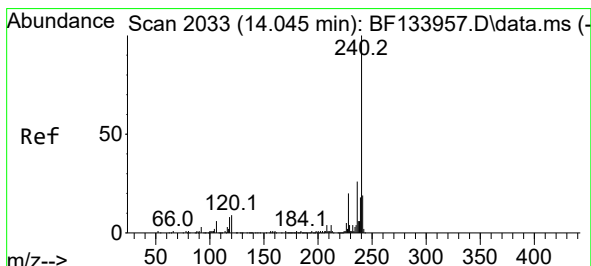
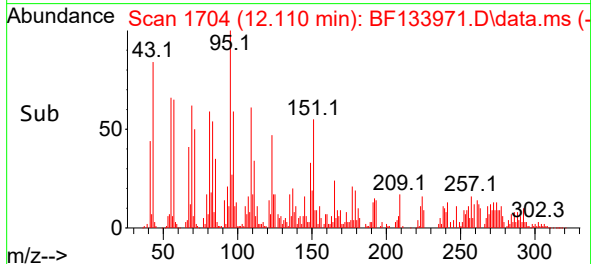
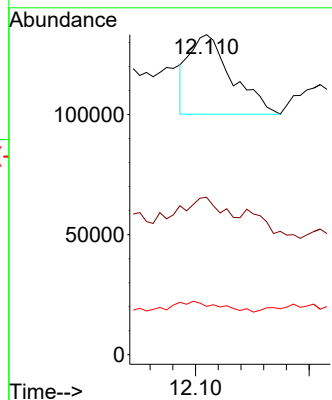
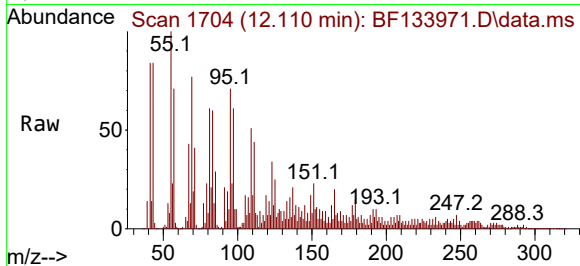




#74
Di-n-butylphthalate
Concen: 12.525 ng
RT: 12.110 min Scan# 1704
Delta R.T. 0.159 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

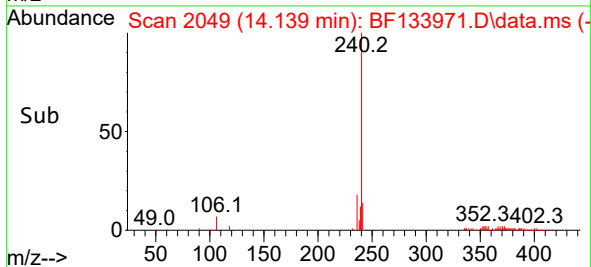
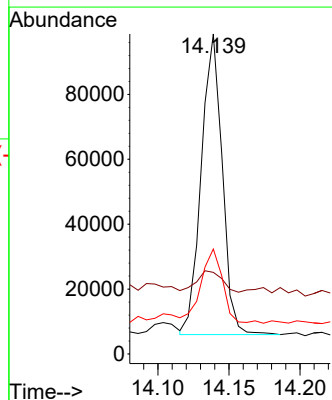
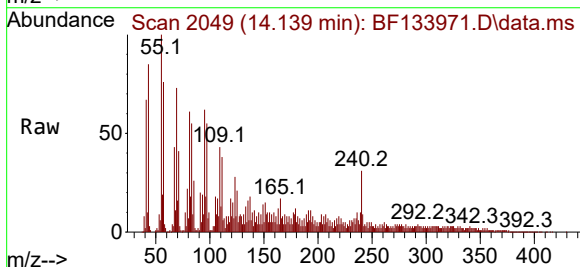
Instrument :
BNA_F
ClientSampleId :
CONC-1

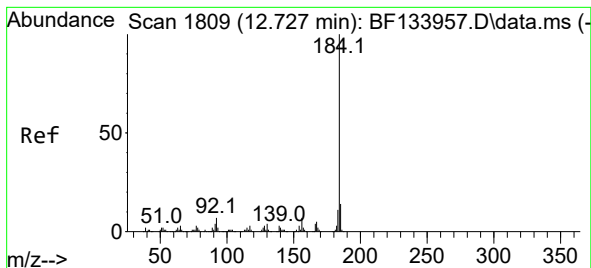
Tgt Ion:149 Resp: 86407
Ion Ratio Lower Upper
149 100
150 49.2 7.1 10.7#
104 15.1 4.0 6.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. 0.094 min
Lab File: BF133971.D
Acq: 27 Jun 2023 03:40

Tgt Ion:240 Resp: 95559
Ion Ratio Lower Upper
240 100
120 25.5 7.4 11.0#
236 32.8 21.0 31.6#





#77

Benzidine

Concen: 2.764 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.112 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Instrument :

BNA_F

ClientSampleId :

CONC-1

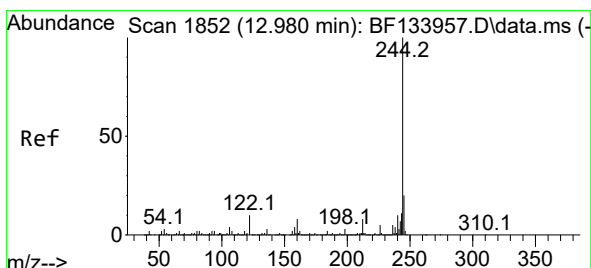
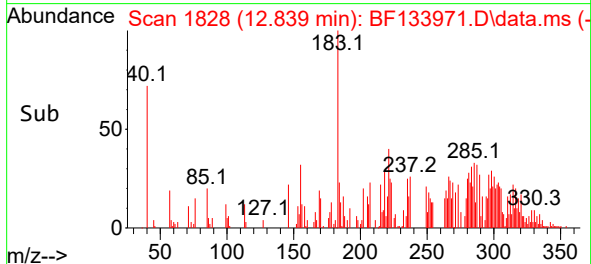
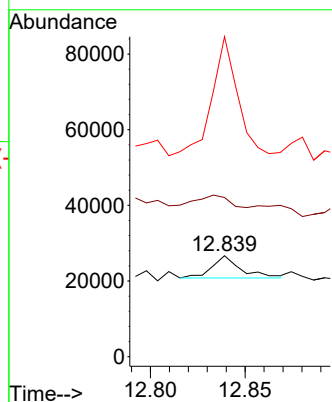
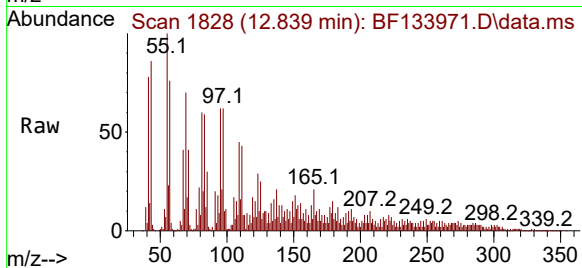
Tgt Ion:184 Resp: 6284

Ion Ratio Lower Upper

184 100

185 157.5 11.6 17.4#

183 316.7 8.8 13.2#



#79

Terphenyl-d14

Concen: 48.561 ng

RT: 13.121 min Scan# 1876

Delta R.T. 0.141 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

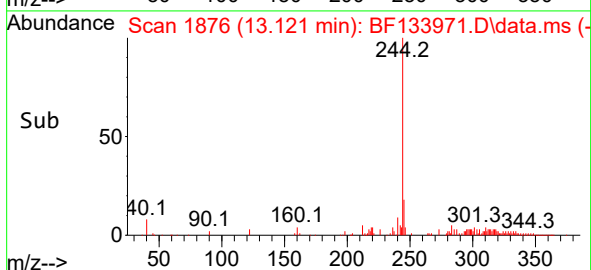
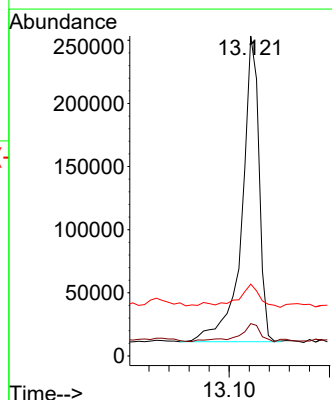
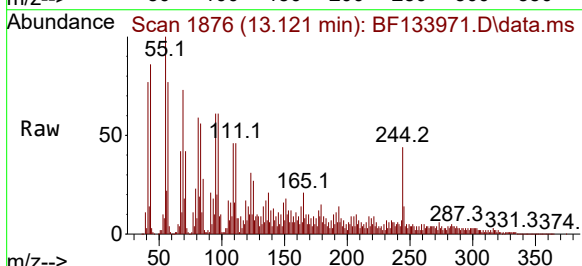
Tgt Ion:244 Resp: 288328

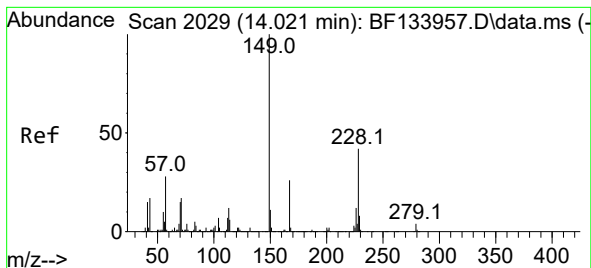
Ion Ratio Lower Upper

244 100

212 10.1 6.0 9.0#

122 22.4 8.3 12.5#





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.208 ng

RT: 14.086 min Scan# 2029

Delta R.T. 0.065 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Instrument :

BNA_F

ClientSampleId :

CONC-1

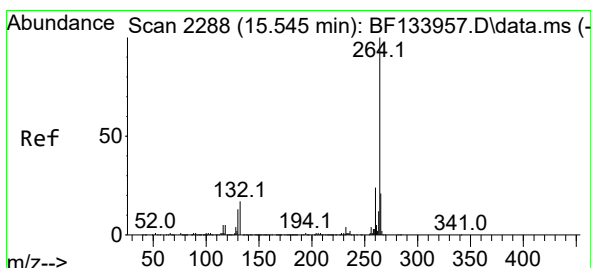
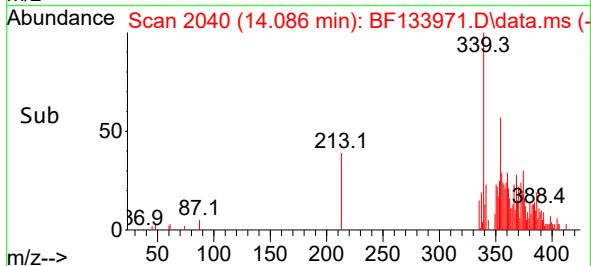
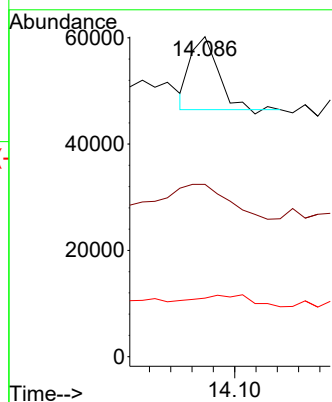
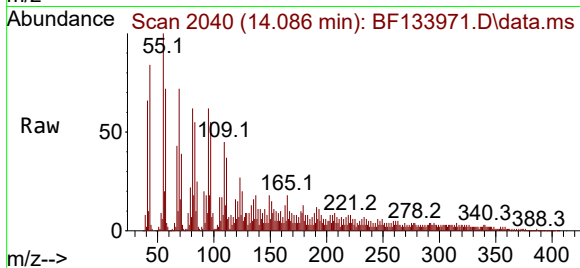
Tgt Ion:149 Resp: 12296

Ion Ratio Lower Upper

149 100

167 53.8 21.0 31.4#

279 18.3 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 2298

Delta R.T. 0.059 min

Lab File: BF133971.D

Acq: 27 Jun 2023 03:40

Tgt Ion:264 Resp: 85005

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 22.5 16.6 25.0

