

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132222.D
 Acq On : 30 Jan 2023 21:20
 Operator : CG\JU
 Sample : 01342-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOWER-CONCRETE

Quant Time: Jan 31 00:34:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

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

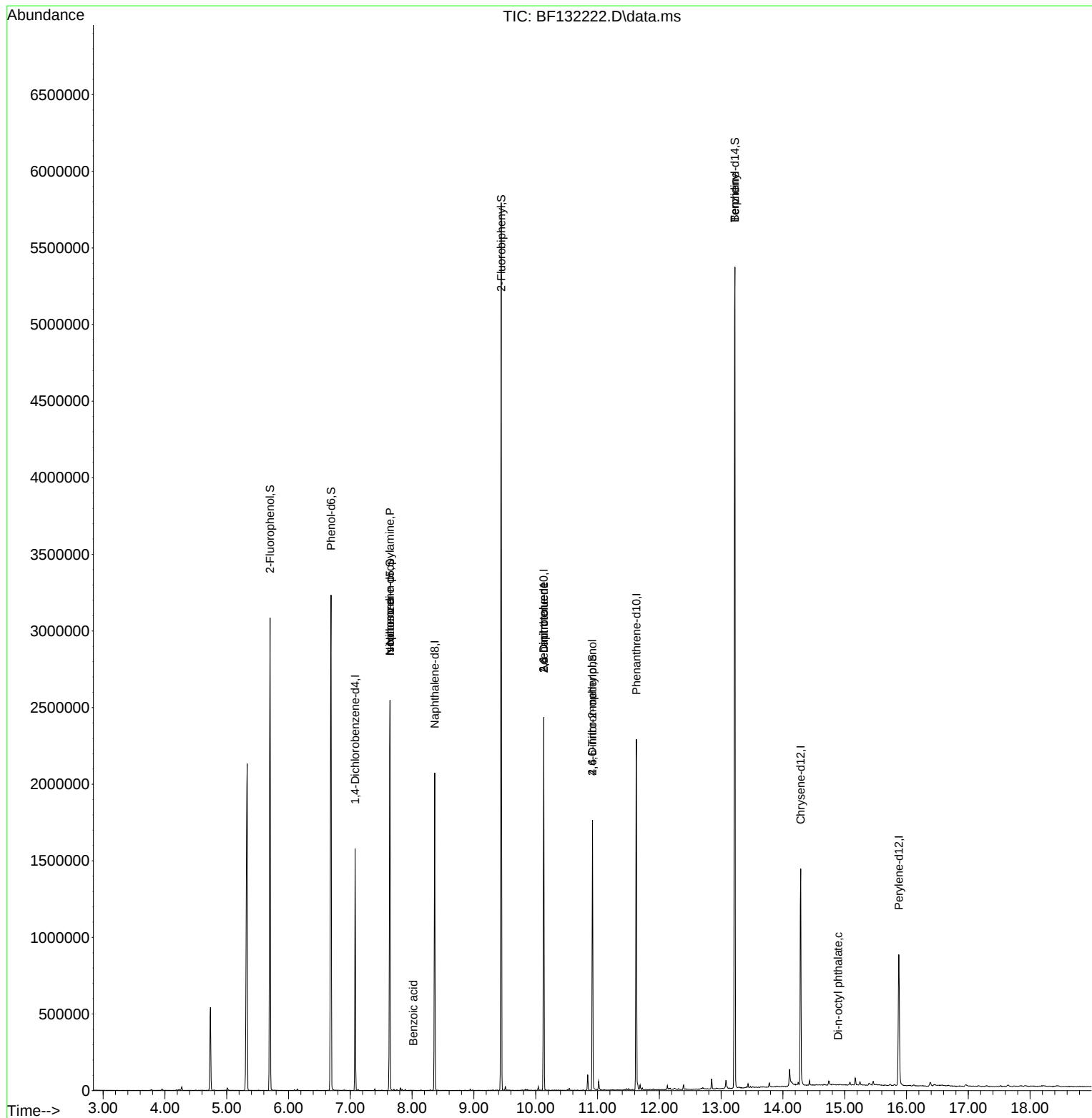
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.078	152	217815	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	799095	20.000	ng	0.00
39) Acenaphthene-d10	10.130	164	440787	20.000	ng	0.00
64) Phenanthrene-d10	11.630	188	862040	20.000	ng	0.00
76) Chrysene-d12	14.289	240	461953	20.000	ng	0.00
86) Perylene-d12	15.877	264	413759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	881865	67.363	ng	0.00
7) Phenol-d6	6.689	99	1292225	78.724	ng	0.00
23) Nitrobenzene-d5	7.642	82	863169	56.551	ng	0.00
42) 2,4,6-Tribromophenol	10.919	330	183328	44.915	ng	-0.01
45) 2-Fluorobiphenyl	9.442	172	1648630	55.035	ng	0.00
79) Terphenyl-d14	13.224	244	1970047	67.002	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.642	70	106987	10.829	ng	# 77
25) Isophorone	7.642	82	863320	29.410	ng	# 67
32) Benzoic acid	8.019	122	129	7.311	ng	# 37
51) 2,6-Dinitrotoluene	10.130	165	57964	9.121	ng	# 22
57) 2,4-Dinitrotoluene	10.130	165	57964	7.409	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.919	198	464	5.414	ng	# 1
77) Benzidine	13.224	184	28402	2.355	ng	# 93
85) Di-n-octyl phthalate	14.895	149	173	5.262	ng	# 1

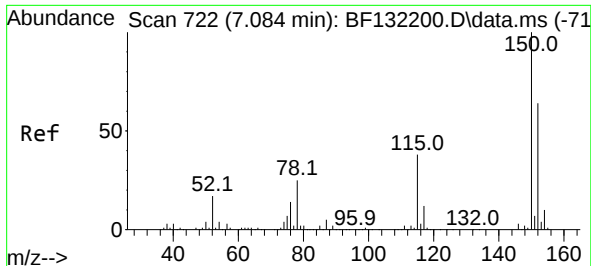
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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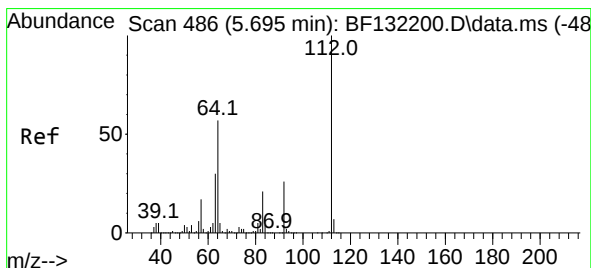
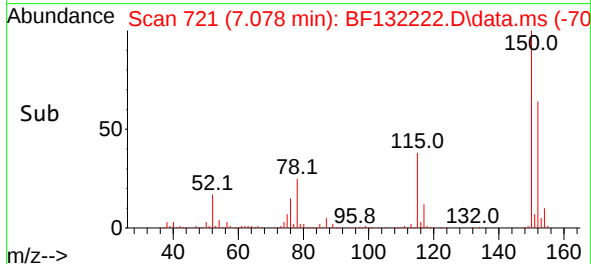
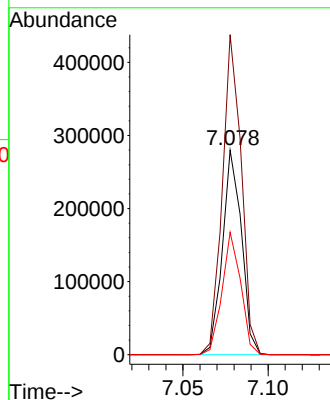
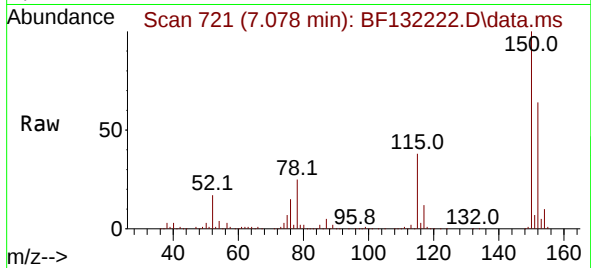




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.078 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF132222.D
 Acq: 30 Jan 2023 21:20

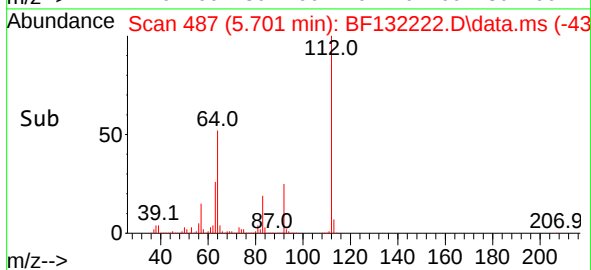
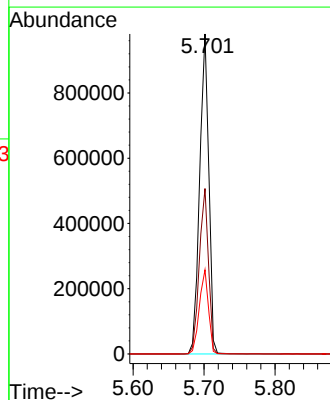
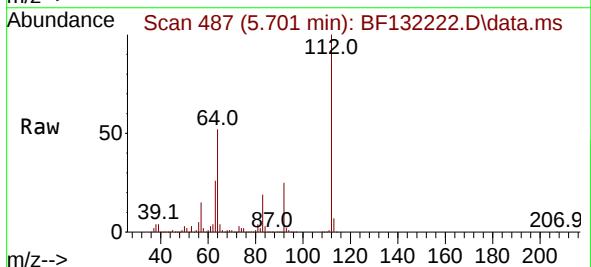
Instrument :
 BNA_F
 ClientSampleId :
 TOWER-CONCRETE

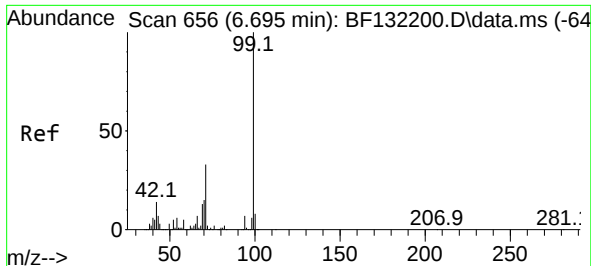
Tgt Ion:152 Resp: 217815
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.5 186.7
 115 59.8 47.0 70.6



#5
 2-Fluorophenol
 Concen: 67.363 ng
 RT: 5.701 min Scan# 487
 Delta R.T. 0.006 min
 Lab File: BF132222.D
 Acq: 30 Jan 2023 21:20

Tgt Ion:112 Resp: 881865
 Ion Ratio Lower Upper
 112 100
 64 51.7 45.5 68.3
 63 26.3 23.7 35.5

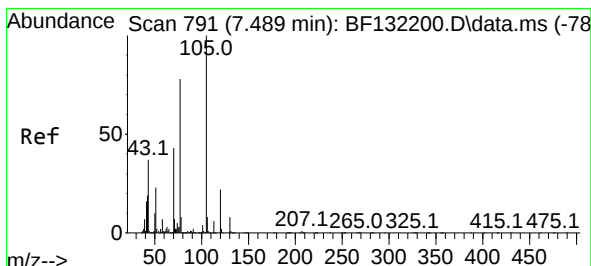
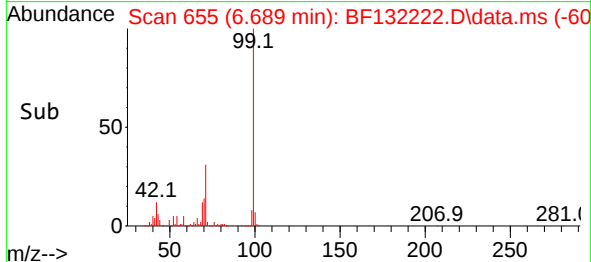
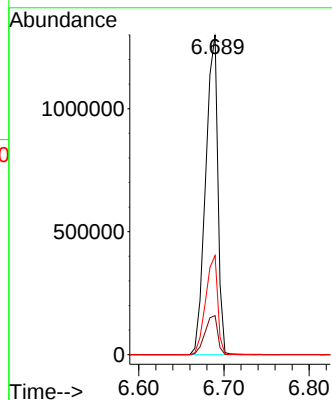
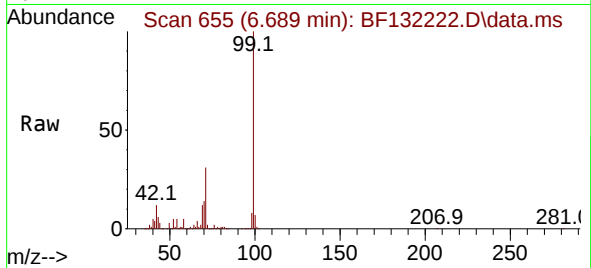




#7
Phenol-d6
Concen: 78.724 ng
RT: 6.689 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

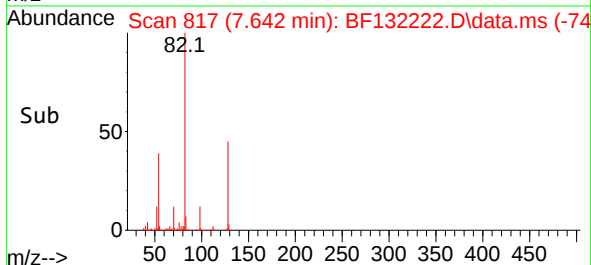
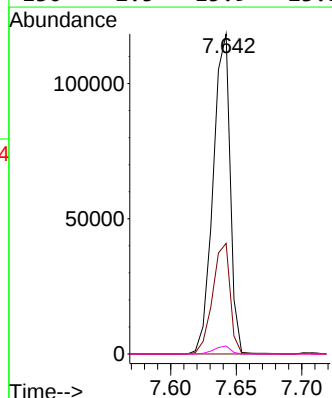
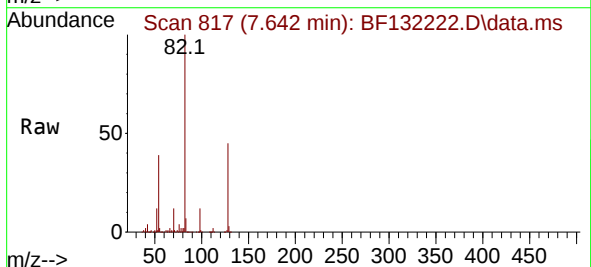
Instrument :
BNA_F
ClientSampleId :
TOWER-CONCRETE

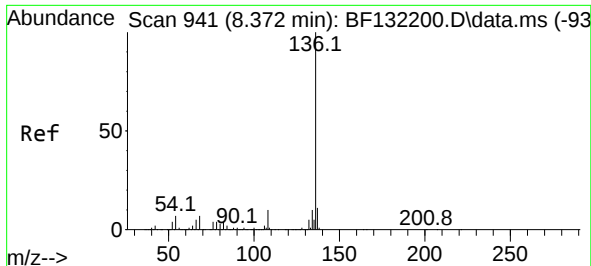
Tgt Ion: 99 Resp: 1292225
Ion Ratio Lower Upper
99 100
42 12.2 11.3 16.9
71 31.0 26.3 39.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.829 ng
RT: 7.642 min Scan# 817
Delta R.T. 0.153 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

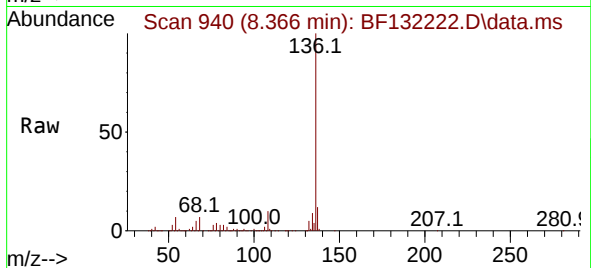
Tgt Ion: 70 Resp: 106987
Ion Ratio Lower Upper
70 100
42 34.6 36.2 54.4#
101 0.0 7.9 11.9#
130 2.5 15.9 23.9#



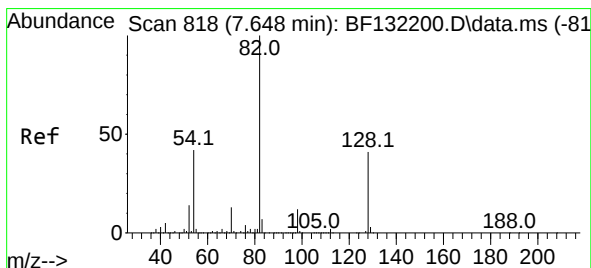
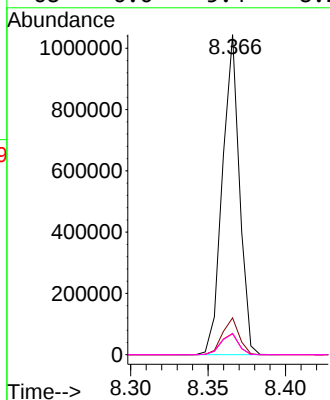
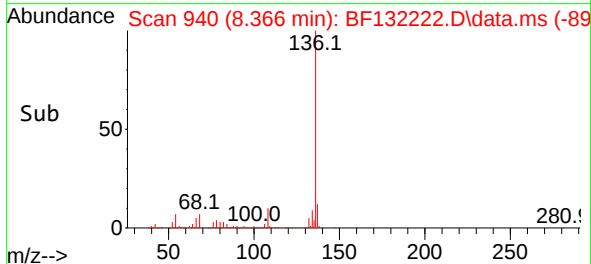


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

Instrument :
BNA_F
ClientSampleId :
TOWER-CONCRETE

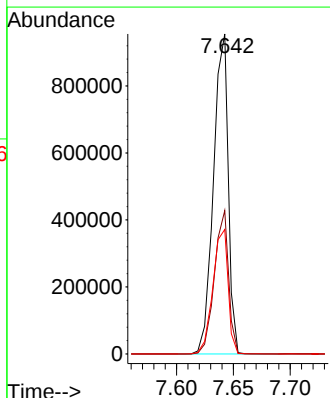
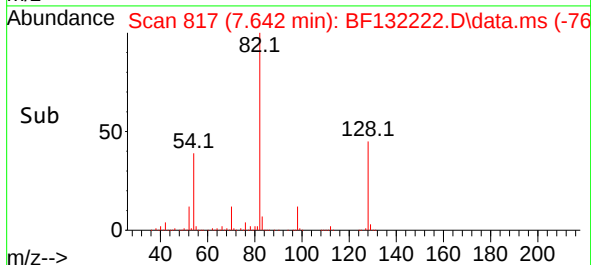
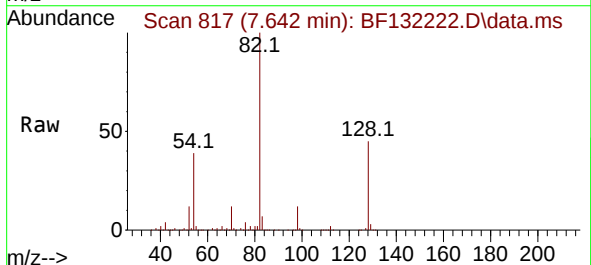


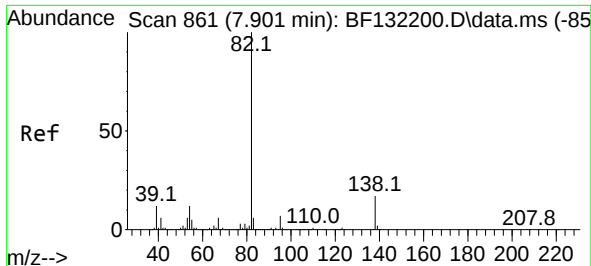
Tgt Ion:136 Resp: 799095
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 6.6 5.4 8.2
68 6.6 5.4 8.2



#23
Nitrobenzene-d5
Concen: 56.551 ng
RT: 7.642 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

Tgt Ion: 82 Resp: 863169
Ion Ratio Lower Upper
82 100
128 44.8 32.7 49.1
54 38.9 33.3 49.9

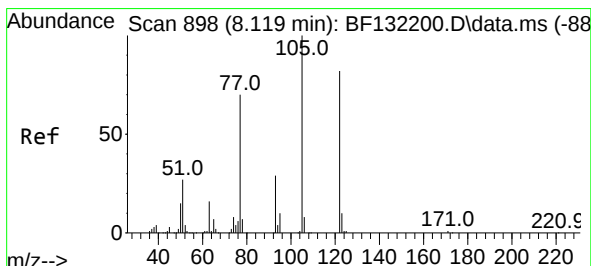
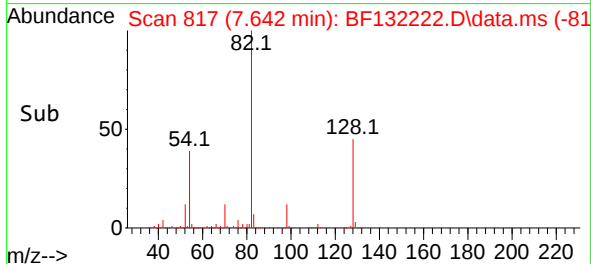
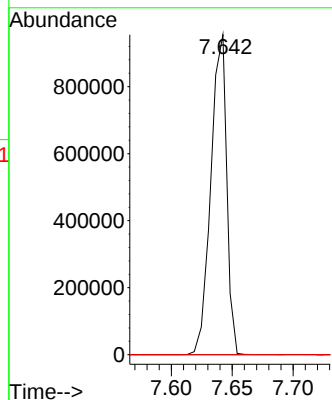
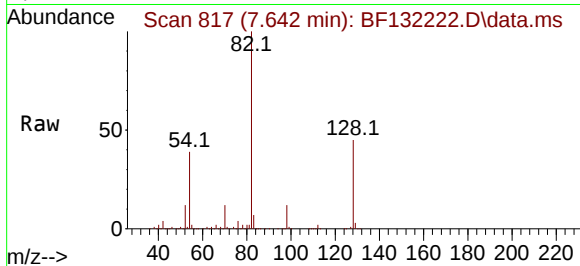




#25
Isophorone
Concen: 29.410 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

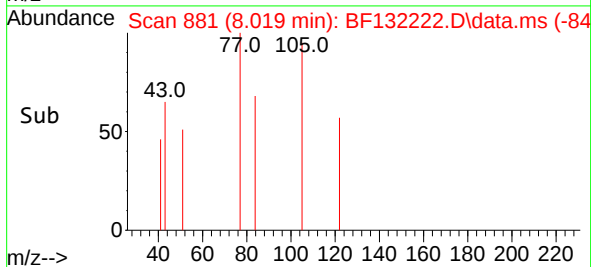
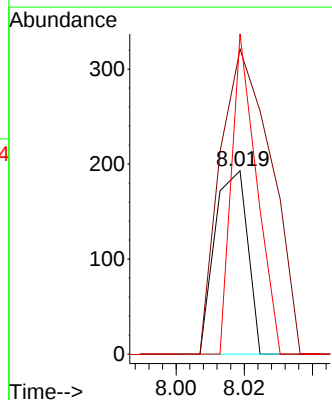
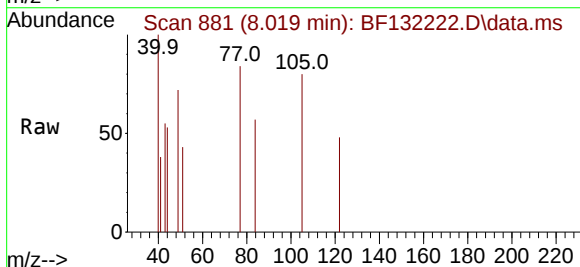
Instrument :
BNA_F
ClientSampleId :
TOWER-CONCRETE

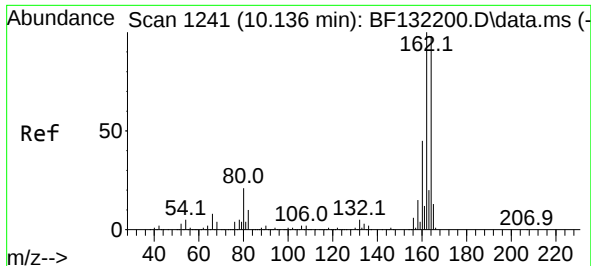
Tgt Ion: 82 Resp: 863320
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.311 ng
RT: 8.019 min Scan# 881
Delta R.T. -0.100 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 166.3 101.5 141.5#
77 174.6 66.5 106.5#

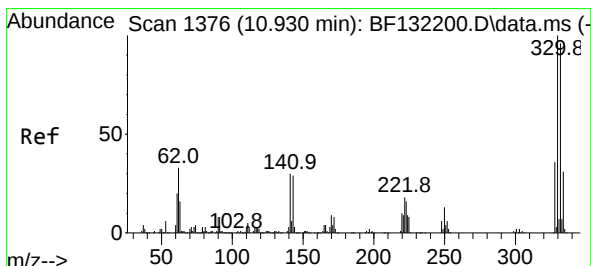
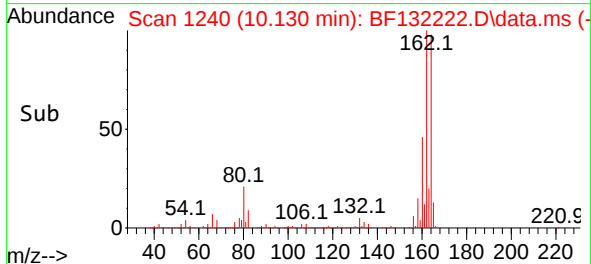
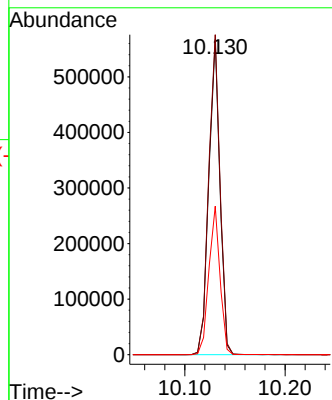
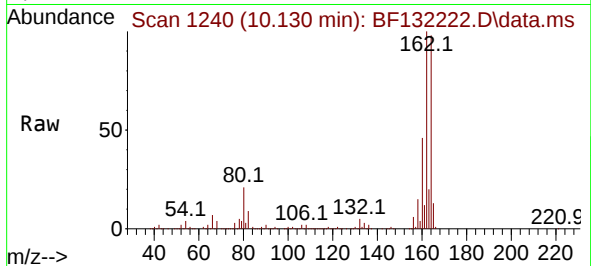




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

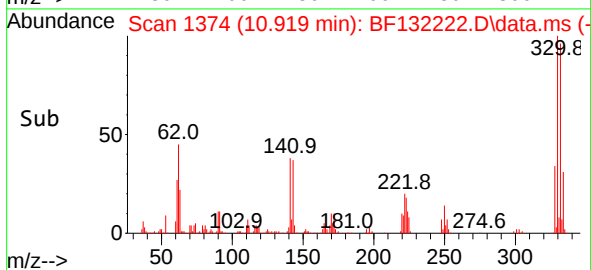
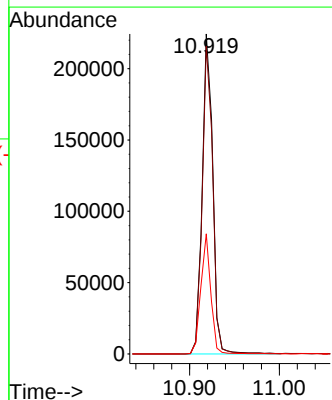
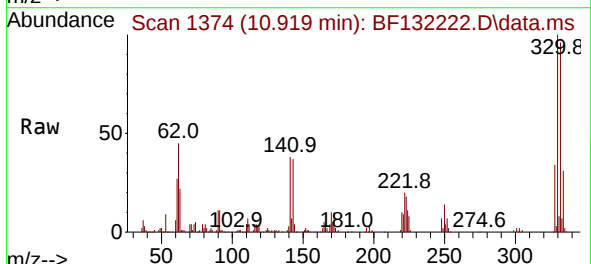
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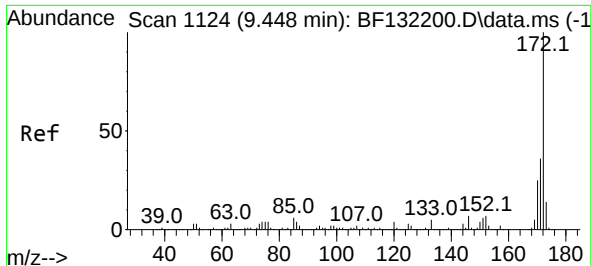
Tgt Ion:164 Resp: 440787
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 47.1 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 44.915 ng
RT: 10.919 min Scan# 1374
Delta R.T. -0.012 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

Tgt Ion:330 Resp: 183328
Ion Ratio Lower Upper
330 100
332 95.9 75.7 113.5
141 35.6 30.7 46.1





#45

2-Fluorobiphenyl

Concen: 55.035 ng

RT: 9.442 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132222.D

Acq: 30 Jan 2023 21:20

Instrument :

BNA_F

ClientSampleId :

TOWER-CONCRETE

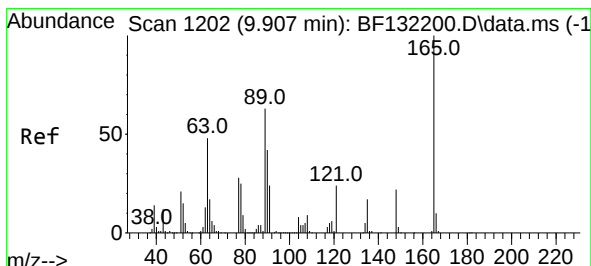
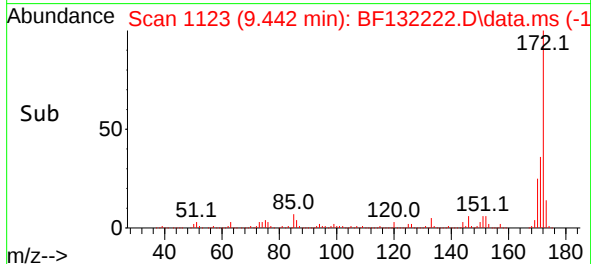
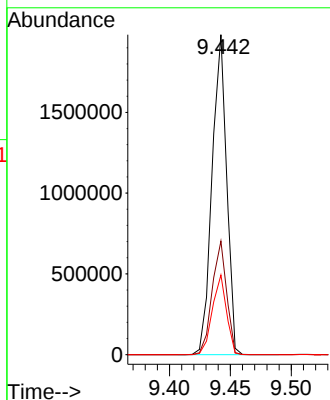
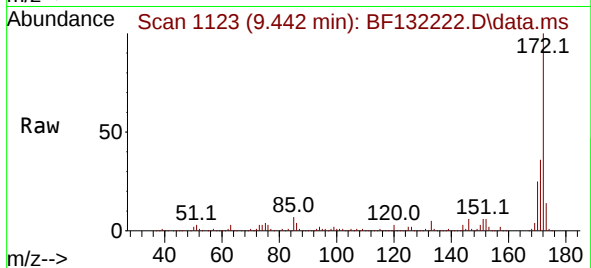
Tgt Ion:172 Resp: 1648630

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.6

170 24.9 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 9.121 ng

RT: 10.130 min Scan# 1240

Delta R.T. 0.223 min

Lab File: BF132222.D

Acq: 30 Jan 2023 21:20

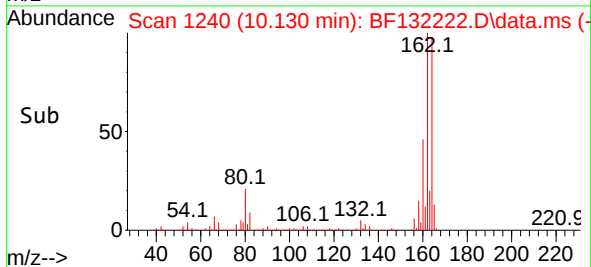
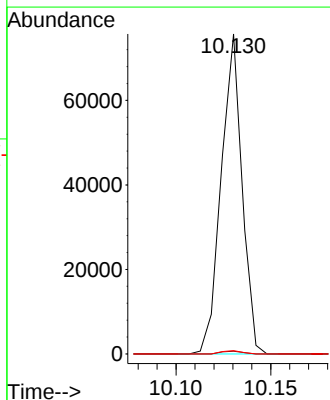
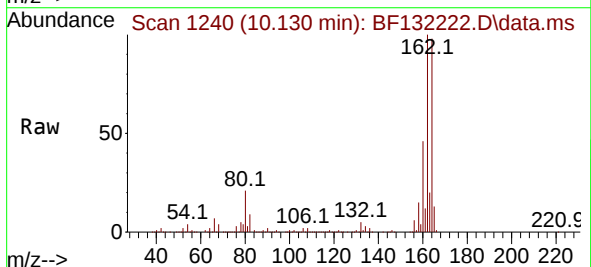
Tgt Ion:165 Resp: 57964

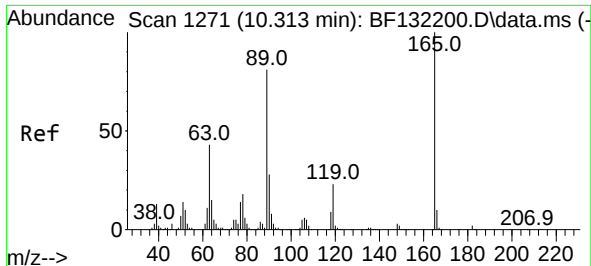
Ion Ratio Lower Upper

165 100

63 0.8 46.1 69.1#

89 1.0 50.3 75.5#

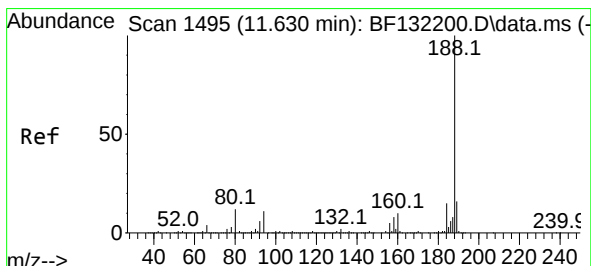
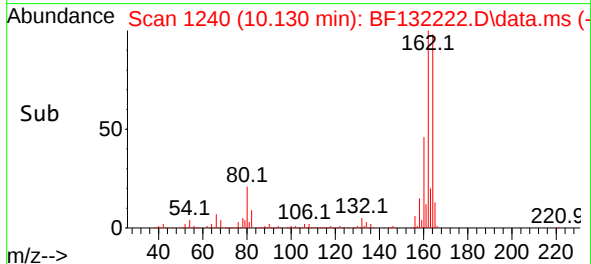
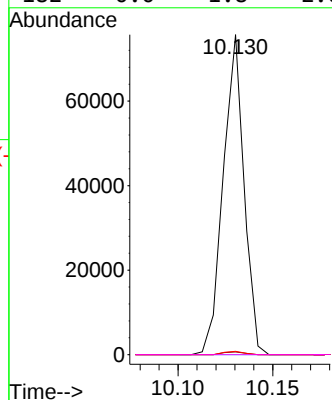
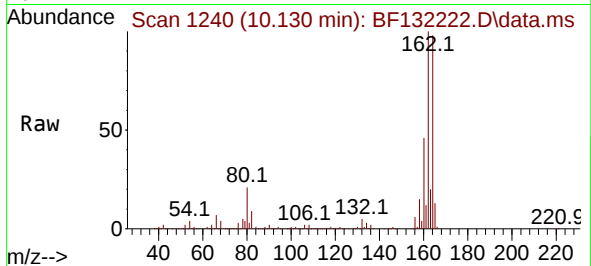




#57
2,4-Dinitrotoluene
Concen: 7.409 ng
RT: 10.130 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

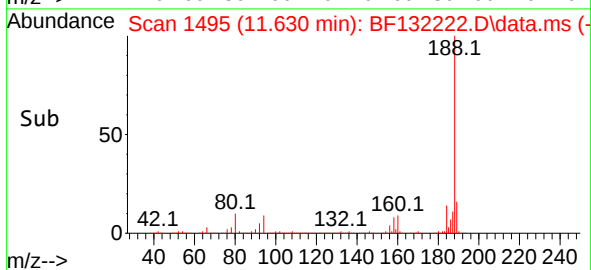
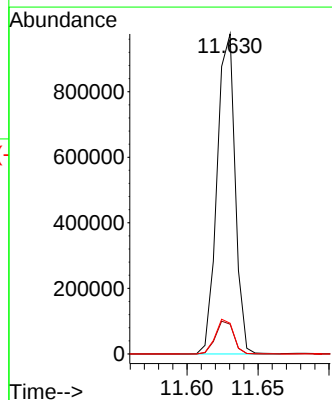
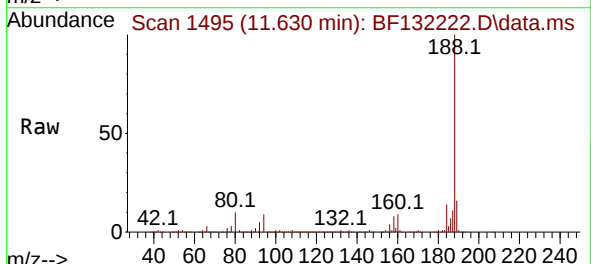
Instrument :
BNA_F
ClientSampleId :
TOWER-CONCRETE

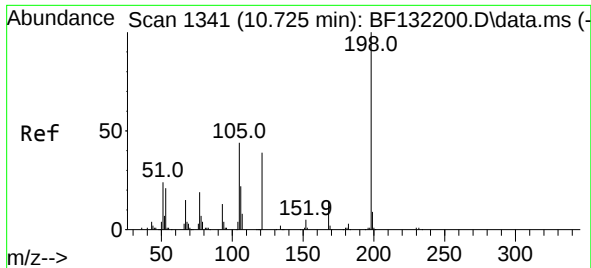
Tgt Ion:165 Resp: 57964
Ion Ratio Lower Upper
165 100
63 0.8 34.2 51.2#
89 1.0 65.1 97.7#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.630 min Scan# 1495
Delta R.T. -0.000 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

Tgt Ion:188 Resp: 862040
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.6 9.2 13.8

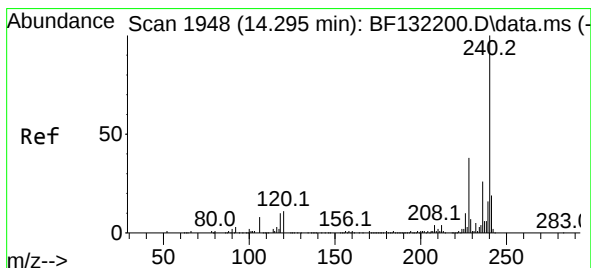
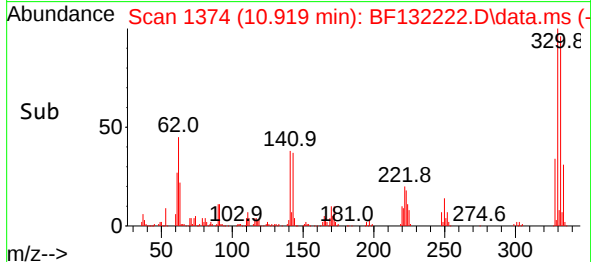
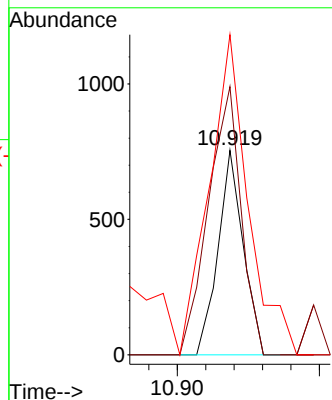
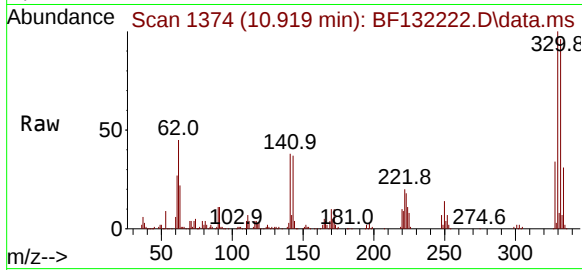




#65
4,6-Dinitro-2-methylphenol
Concen: 5.414 ng
RT: 10.919 min Scan# 1374
Delta R.T. 0.194 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

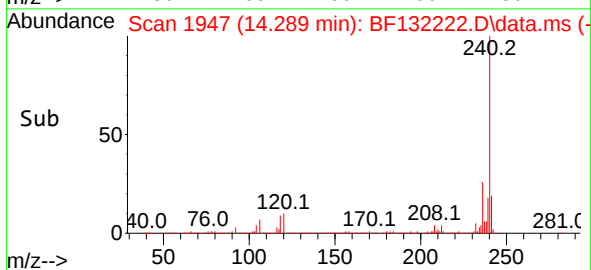
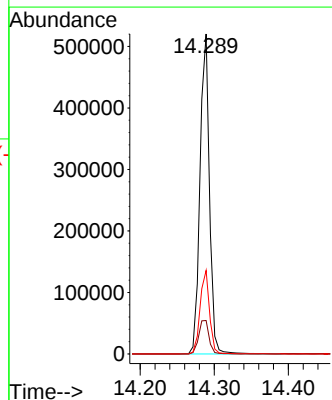
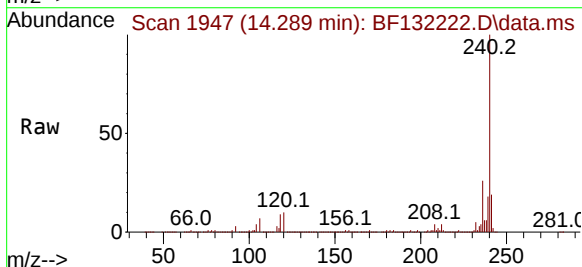
Instrument :
BNA_F
ClientSampleId :
TOWER-CONCRETE

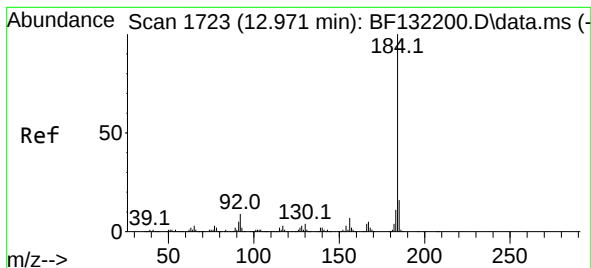
Tgt Ion:198 Resp: 464
Ion Ratio Lower Upper
198 100
51 131.1 14.9 54.9#
105 156.6 24.2 64.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.289 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF132222.D
Acq: 30 Jan 2023 21:20

Tgt Ion:240 Resp: 461953
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.4
236 26.1 20.8 31.2





#77

Benzidine

Concen: 2.355 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.253 min

Lab File: BF132222.D

Acq: 30 Jan 2023 21:20

Instrument :

BNA_F

ClientSampleId :

TOWER-CONCRETE

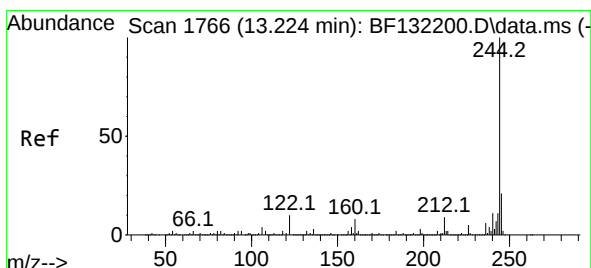
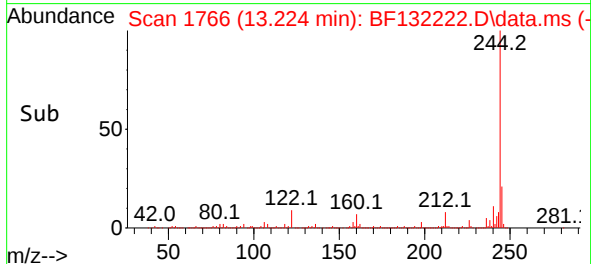
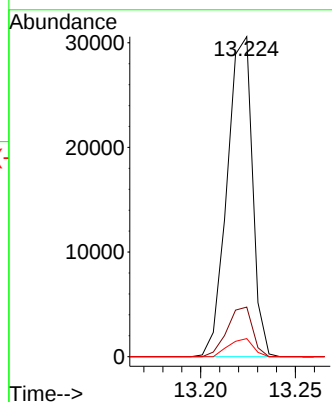
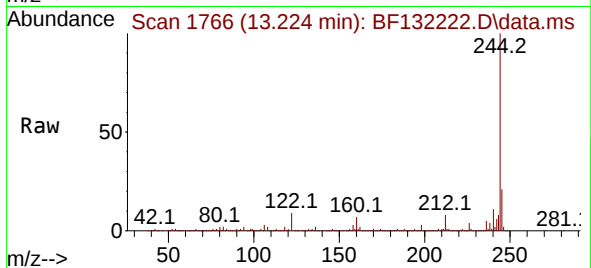
Tgt Ion:184 Resp: 28402

Ion Ratio Lower Upper

184 100

185 15.5 13.2 19.8

183 5.6 8.8 13.2#



#79

Terphenyl-d14

Concen: 67.002 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF132222.D

Acq: 30 Jan 2023 21:20

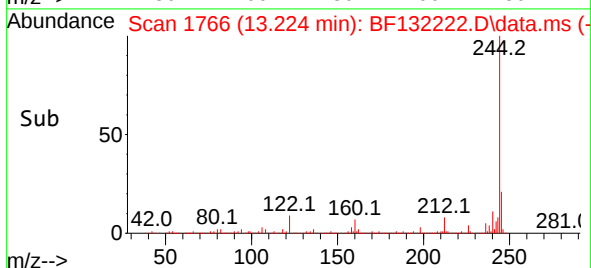
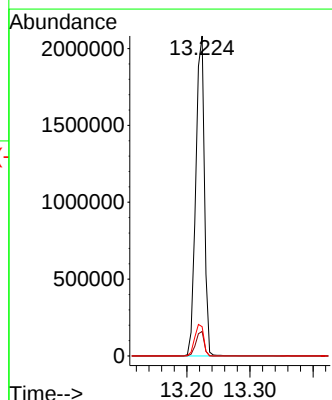
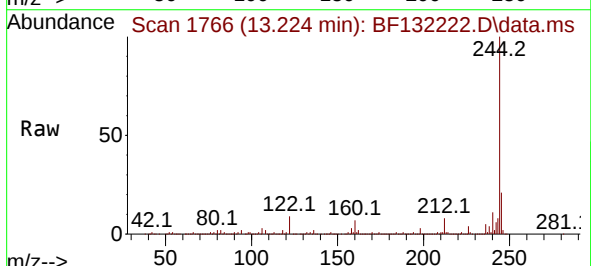
Tgt Ion:244 Resp: 1970047

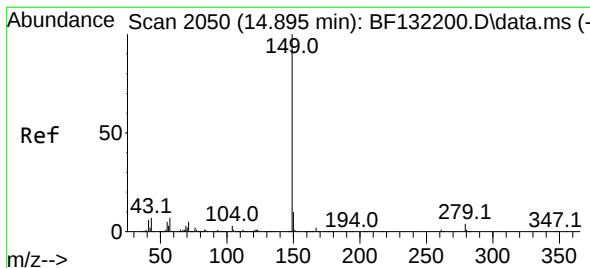
Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

122 9.2 8.3 12.5





#85

Di-n-octyl phthalate

Concen: 5.262 ng

RT: 14.895 min Scan# 2050

Delta R.T. -0.000 min

Lab File: BF132222.D

Acq: 30 Jan 2023 21:20

Instrument :

BNA_F

ClientSampleId :

TOWER-CONCRETE

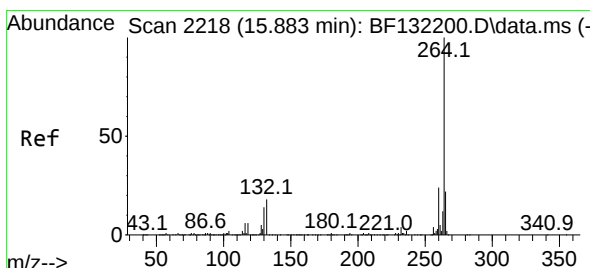
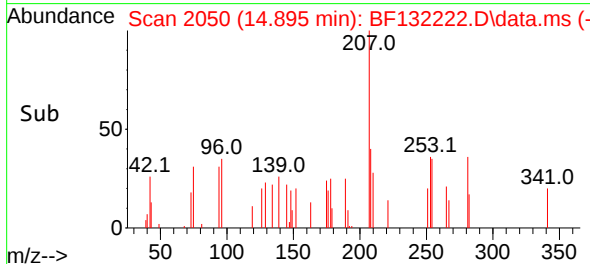
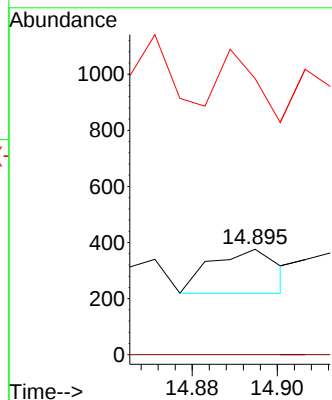
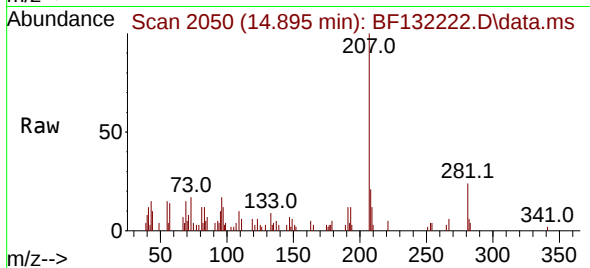
Tgt Ion:149 Resp: 173

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 85.5 6.6 10.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.877 min Scan# 2217

Delta R.T. -0.006 min

Lab File: BF132222.D

Acq: 30 Jan 2023 21:20

Tgt Ion:264 Resp: 413759

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 21.3 17.4 26.2

