

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133010.D
 Acq On : 24 Apr 2023 22:54
 Operator : CG\JU
 Sample : 02465-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-C

Quant Time: Apr 25 02:14:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

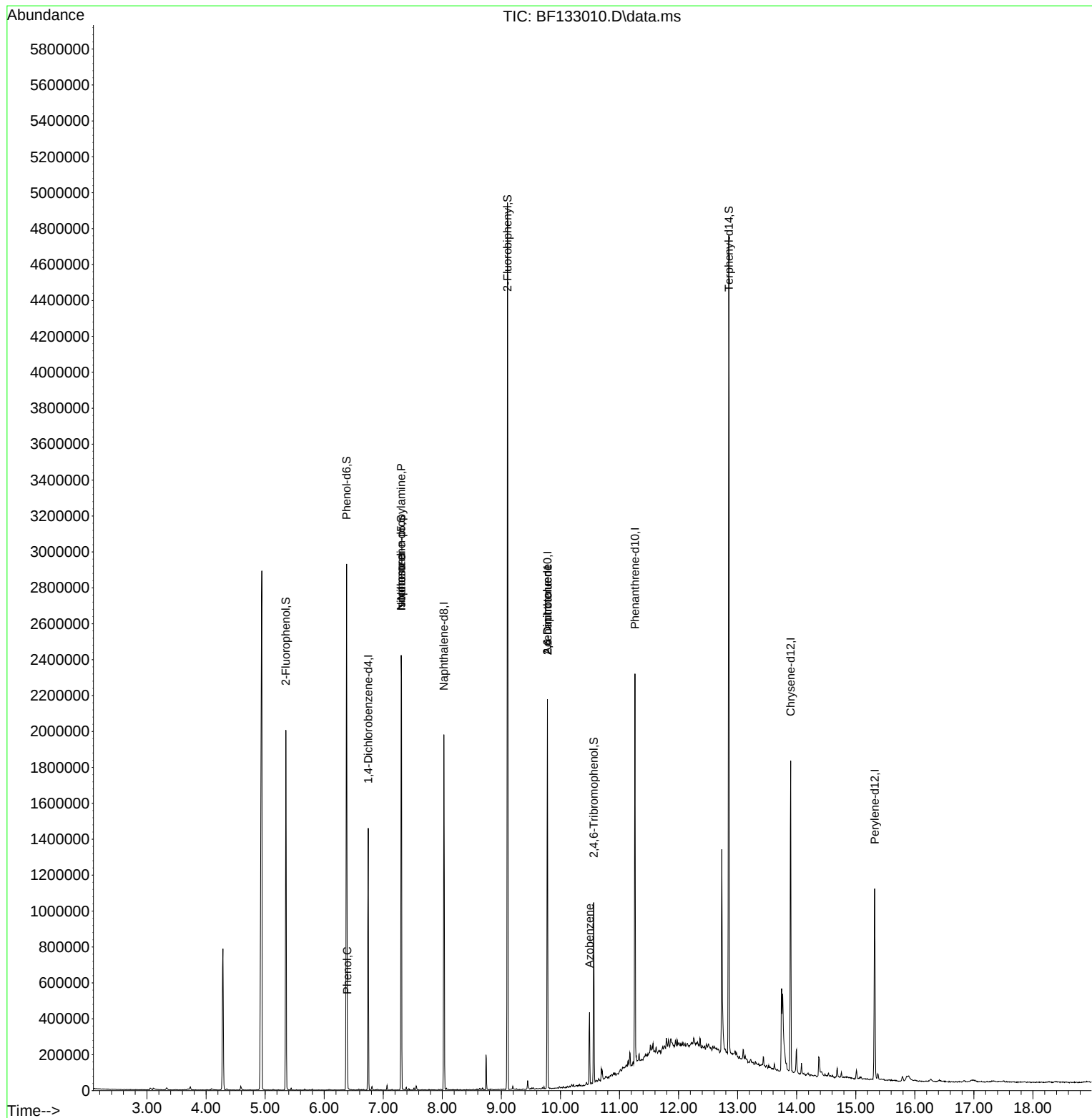
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	186424	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	747545	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	389020	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	708720	20.000	ng	0.00
76) Chrysene-d12	13.898	240	519377	20.000	ng	-0.01
86) Perylene-d12	15.321	264	428258	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	507436	41.118	ng	0.00
7) Phenol-d6	6.381	99	893926	58.359	ng	0.00
23) Nitrobenzene-d5	7.304	82	750179	54.167	ng	-0.02
42) 2,4,6-Tribromophenol	10.563	330	99350	25.394	ng	-0.02
45) 2-Fluorobiphenyl	9.104	172	1375453	59.152	ng	-0.01
79) Terphenyl-d14	12.851	244	1663459	55.238	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.287	77	263	Below Cal	#	74
10) Phenol	6.392	94	50091	2.964	ng	94
19) n-Nitroso-di-n-propyla...	7.304	70	98915	10.373	ng	# 79
25) Isophorone	7.304	82	750094	28.526	ng	# 63
51) 2,6-Dinitrotoluene	9.780	165	50859	8.330	ng	# 25
57) 2,4-Dinitrotoluene	9.780	165	50859	6.532	ng	# 23
63) Azobenzene	10.492	77	59395	2.188	ng	# 1

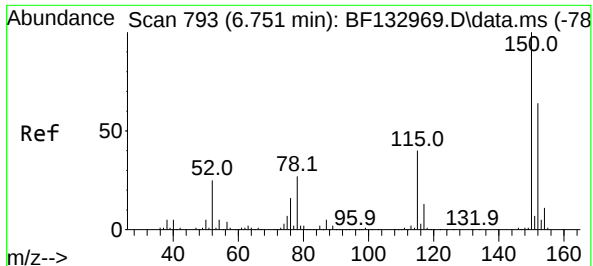
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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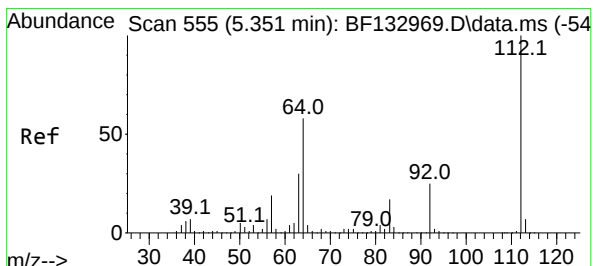
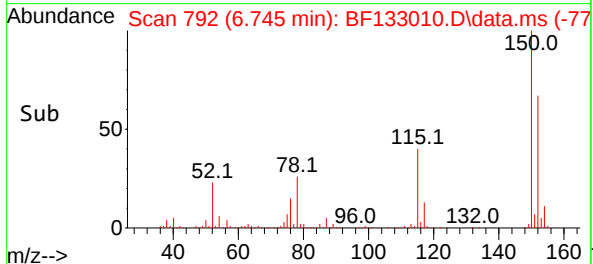
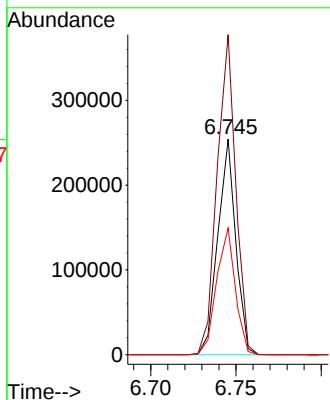
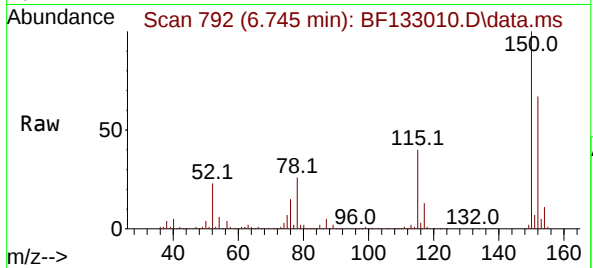




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

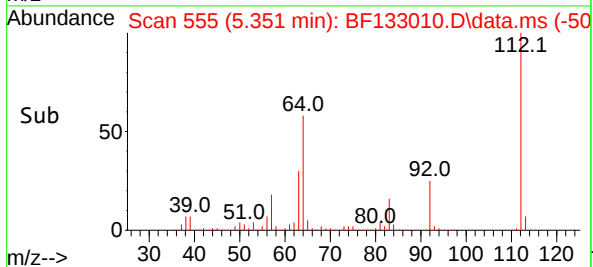
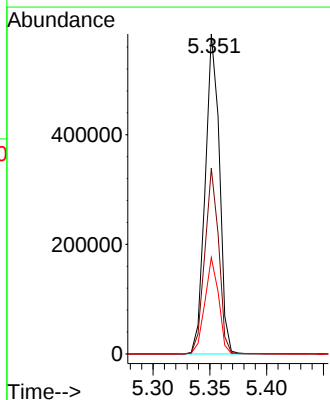
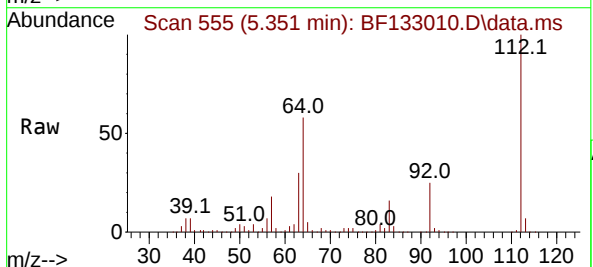
Instrument :
BNA_F
ClientSampleId :
CONCRETE-C

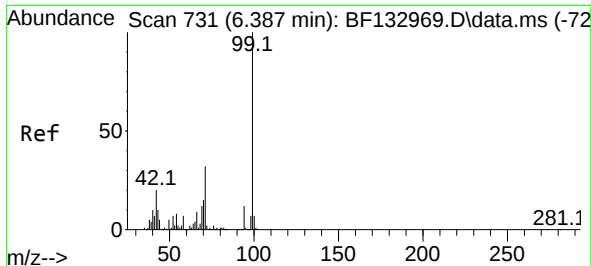
Tgt Ion:152 Resp: 186424
Ion Ratio Lower Upper
152 100
150 148.5 124.8 187.2
115 58.7 49.9 74.9



#5
2-Fluorophenol
Concen: 41.118 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

Tgt Ion:112 Resp: 507436
Ion Ratio Lower Upper
112 100
64 58.1 46.8 70.2
63 30.1 23.8 35.8

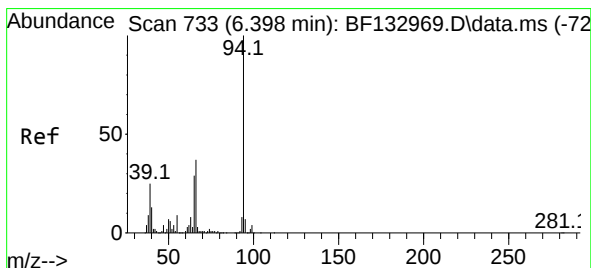
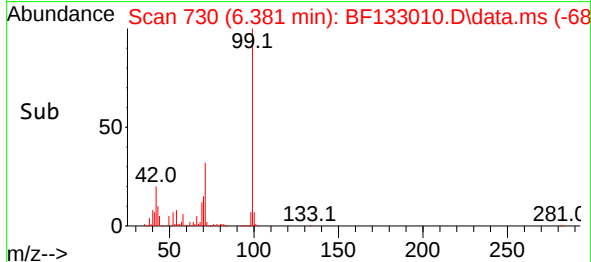
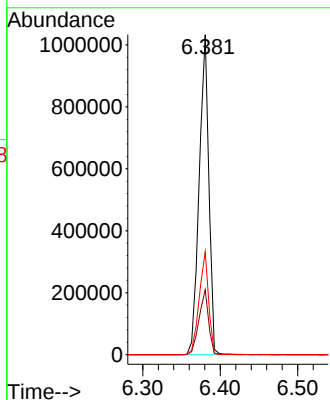
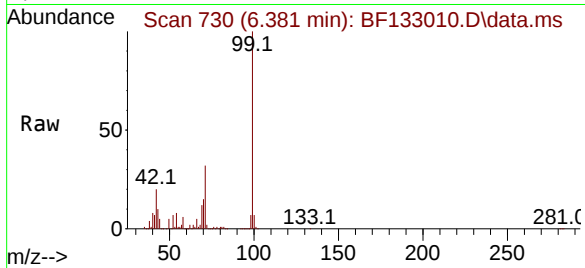




#7
Phenol-d6
Concen: 58.359 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

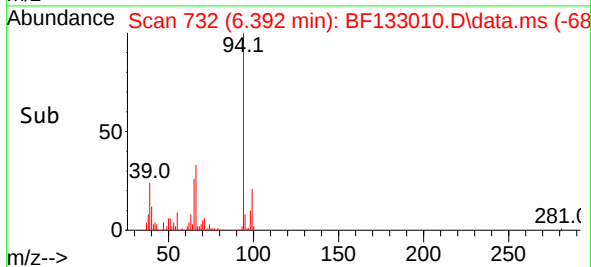
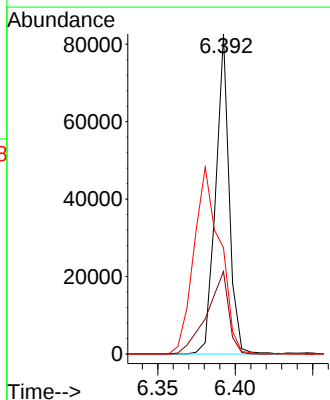
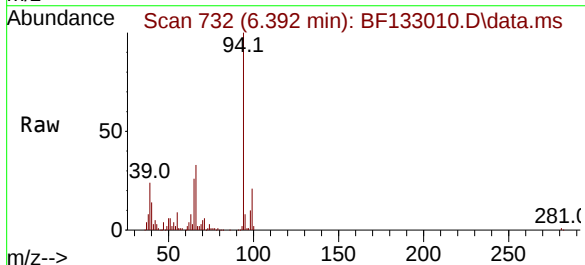
Instrument :
BNA_F
ClientSampleId :
CONCRETE-C

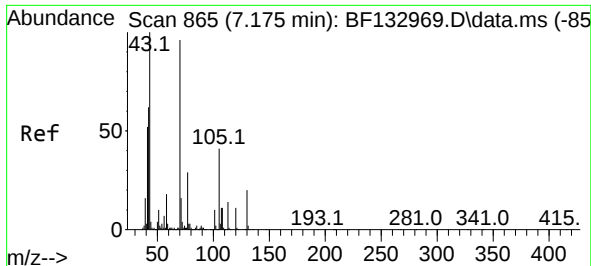
Tgt Ion: 99 Resp: 893926
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 32.2 25.6 38.4



#10
Phenol
Concen: 2.964 ng
RT: 6.392 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

Tgt Ion: 94 Resp: 50091
Ion Ratio Lower Upper
94 100
65 25.7 8.6 48.6
66 33.2 17.3 57.3

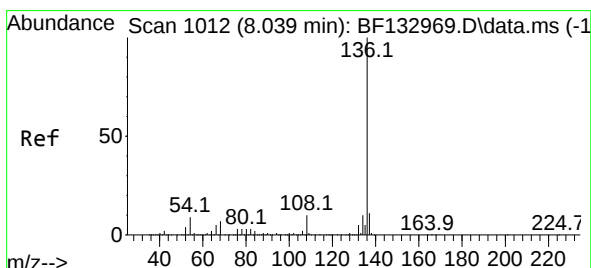
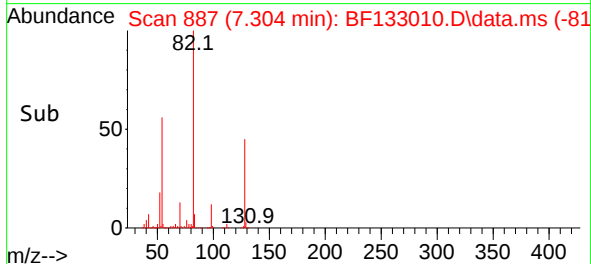
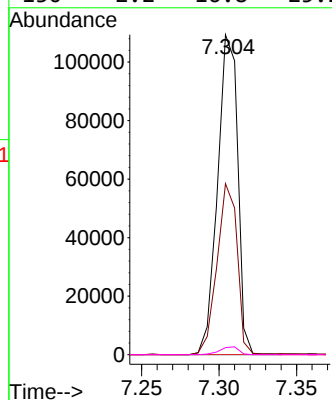
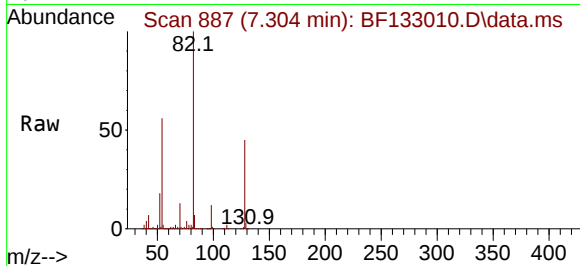




#19
n-Nitroso-di-n-propylamine
Concen: 10.373 ng
RT: 7.304 min Scan# 81
Delta R.T. 0.129 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

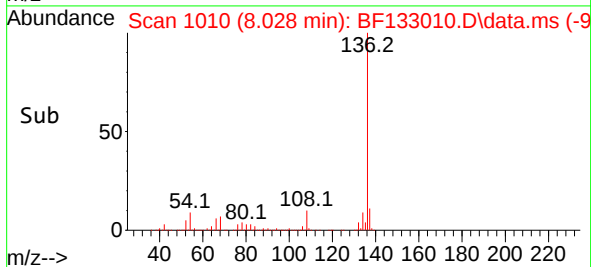
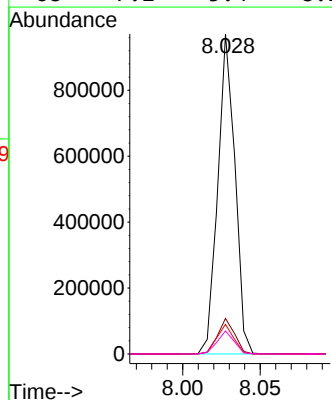
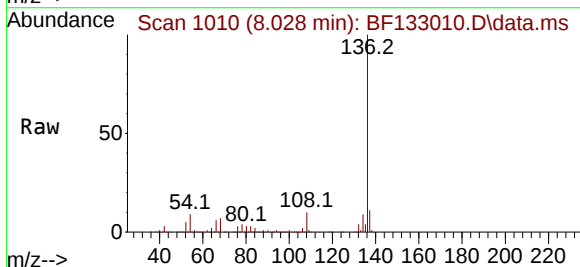
Instrument :
BNA_F
ClientSampleId :
CONCRETE-C

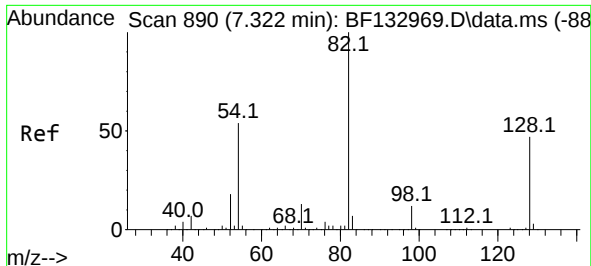
Tgt Ion:	70	Resp:	98915
Ion	Ratio	Lower	Upper
70	100		
42	53.5	51.8	77.6
101	0.0	8.0	12.0#
130	2.2	16.8	25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

Tgt Ion:	136	Resp:	747545
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.3	7.0	10.4
68	7.2	5.4	8.2





#23

Nitrobenzene-d5

Concen: 54.167 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.018 min

Lab File: BF133010.D

Acq: 24 Apr 2023 22:54

Instrument :

BNA_F

ClientSampleId :

CONCRETE-C

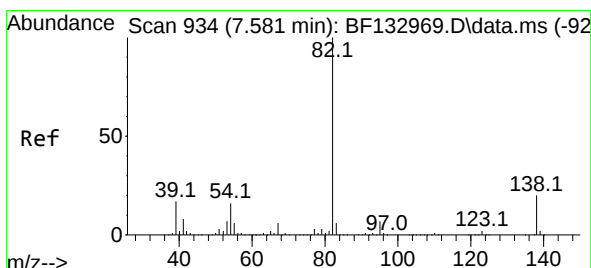
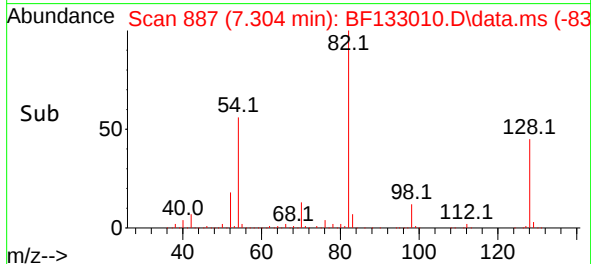
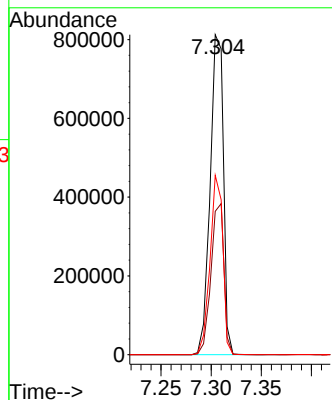
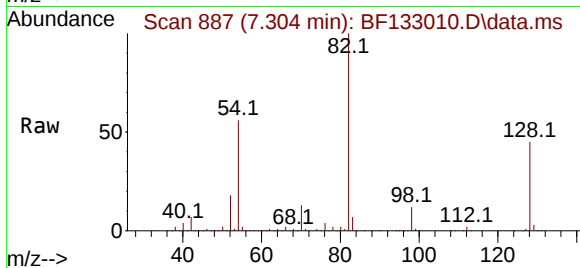
Tgt Ion: 82 Resp: 750179

Ion Ratio Lower Upper

82 100

128 44.8 37.7 56.5

54 56.0 43.0 64.4



#25

Isophorone

Concen: 28.526 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.277 min

Lab File: BF133010.D

Acq: 24 Apr 2023 22:54

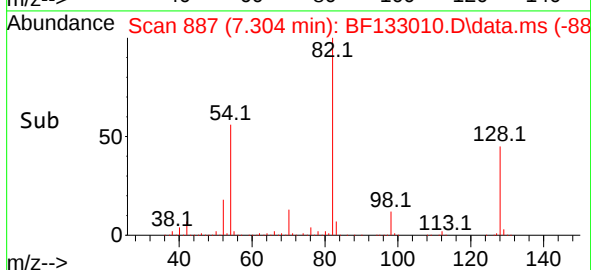
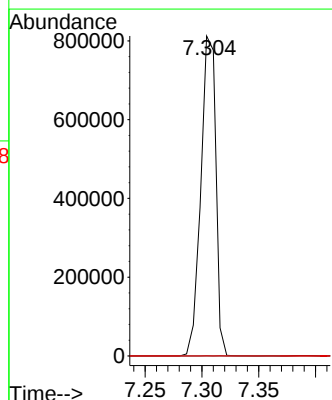
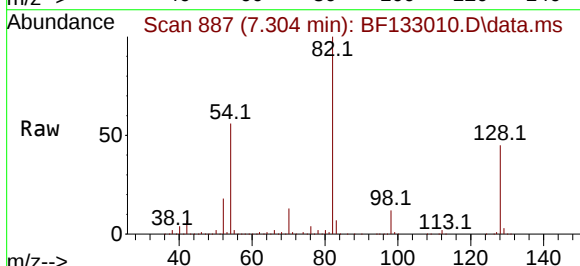
Tgt Ion: 82 Resp: 750094

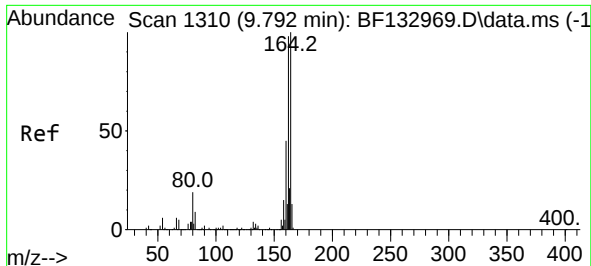
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#

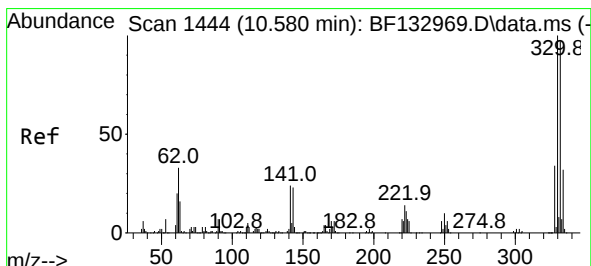
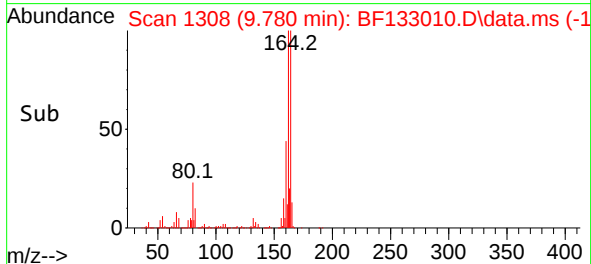
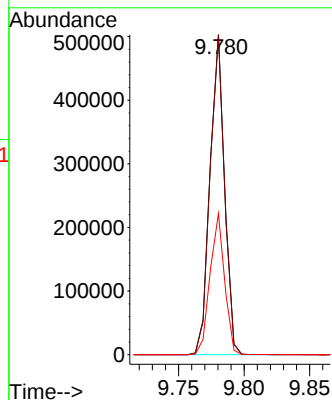
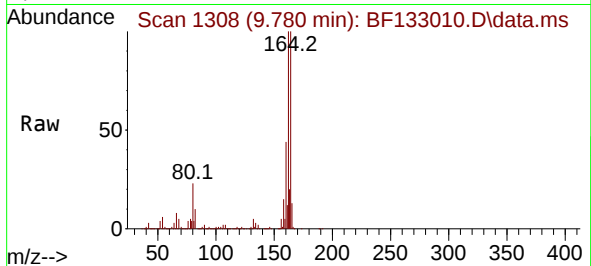




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

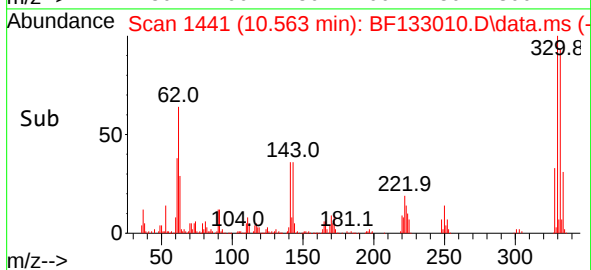
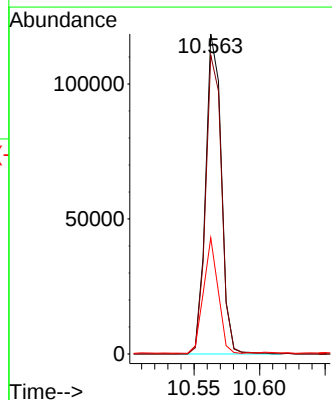
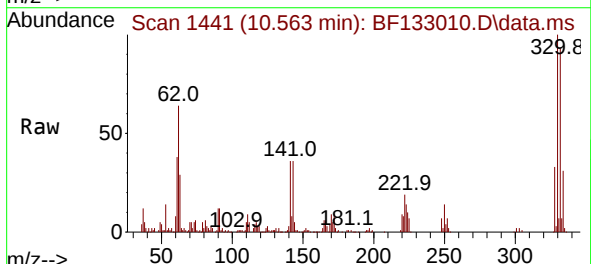
Instrument :
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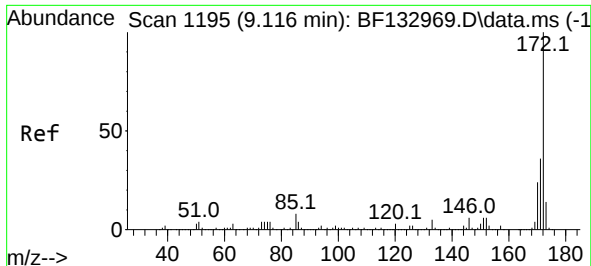
Tgt Ion:164 Resp: 389020
Ion Ratio Lower Upper
164 100
162 100.1 78.7 118.1
160 44.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 25.394 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.018 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

Tgt Ion:330 Resp: 99350
Ion Ratio Lower Upper
330 100
332 95.1 77.1 115.7
141 33.2 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 59.152 ng

RT: 9.104 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133010.D

Acq: 24 Apr 2023 22:54

Instrument :

BNA_F

ClientSampleId :

CONCRETE-C

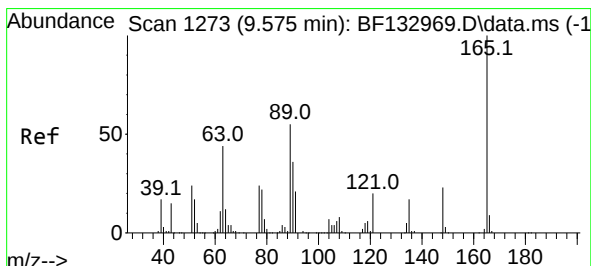
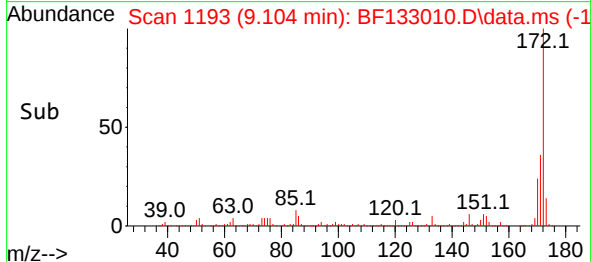
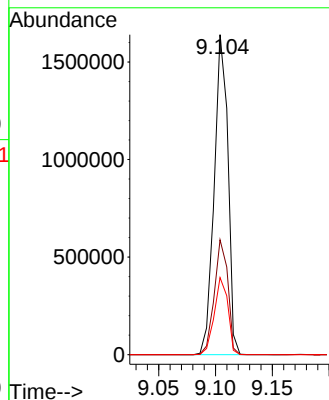
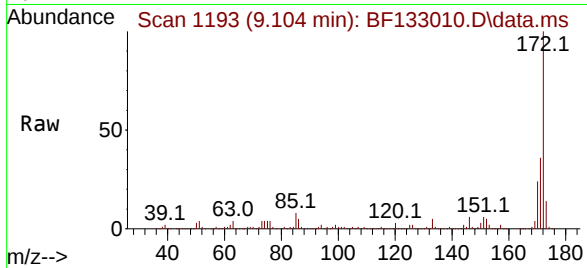
Tgt Ion:172 Resp: 1375453

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 24.1 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.330 ng

RT: 9.780 min Scan# 1308

Delta R.T. 0.206 min

Lab File: BF133010.D

Acq: 24 Apr 2023 22:54

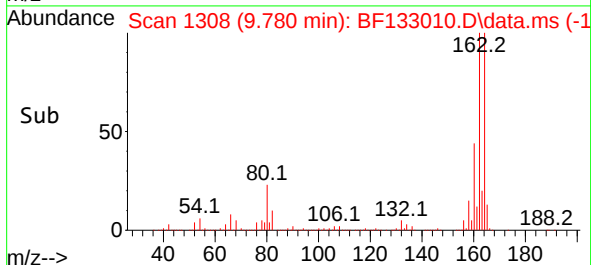
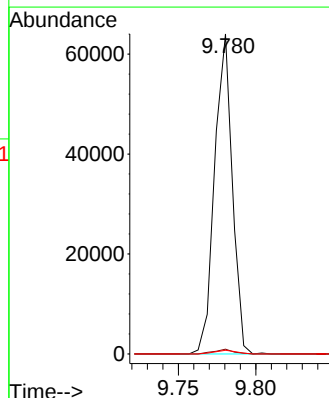
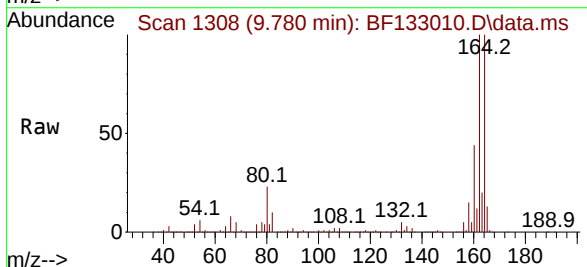
Tgt Ion:165 Resp: 50859

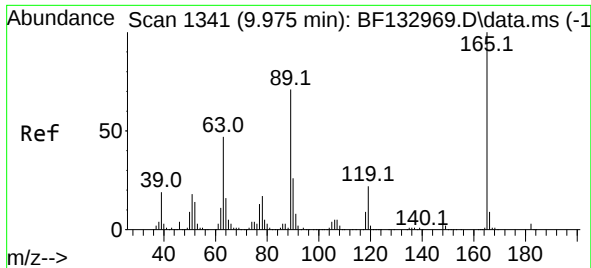
Ion Ratio Lower Upper

165 100

63 1.5 45.9 68.9#

89 1.2 44.0 66.0#

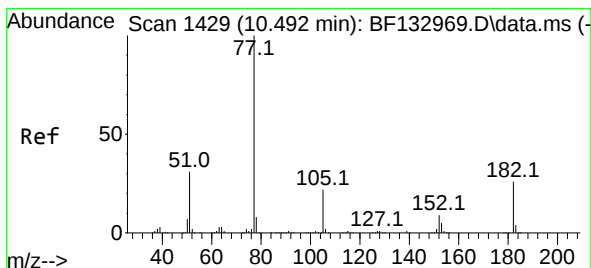
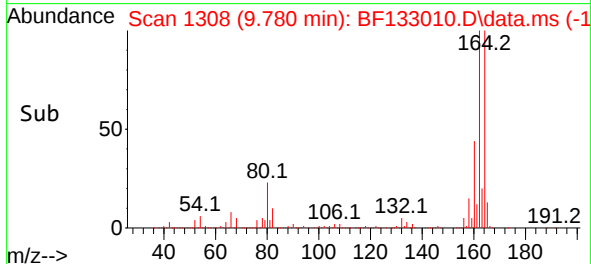
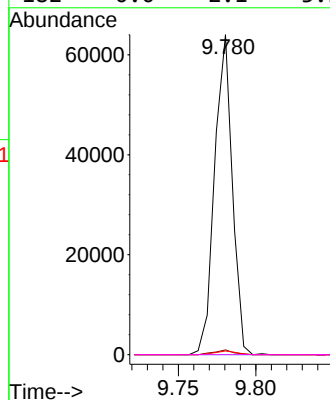
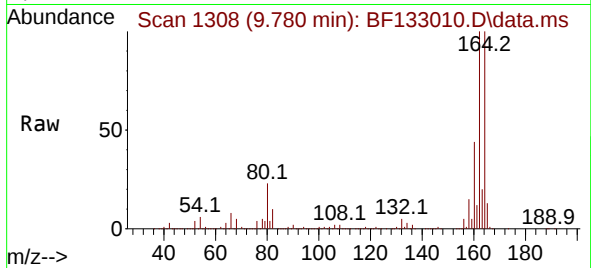




#57
2,4-Dinitrotoluene
Concen: 6.532 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

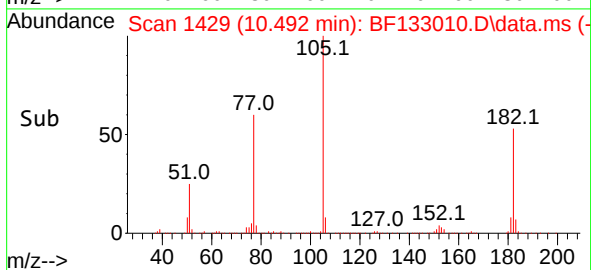
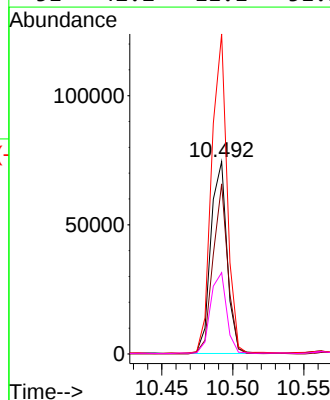
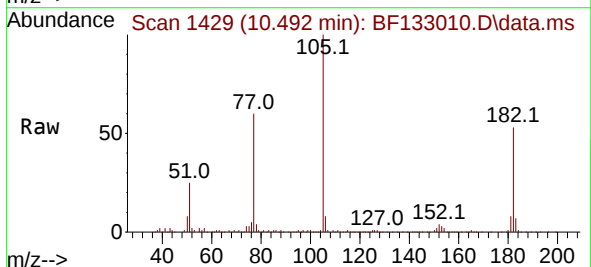
Instrument :
BNA_F
ClientSampleId :
CONCRETE-C

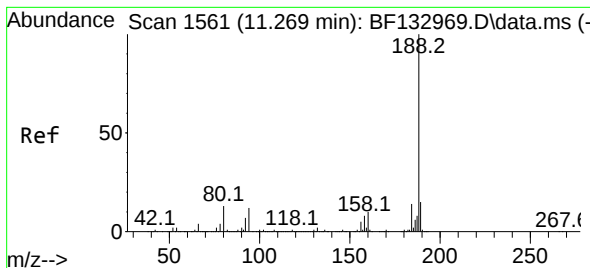
Tgt Ion:165 Resp: 50859
Ion Ratio Lower Upper
165 100
63 1.5 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.188 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF133010.D
Acq: 24 Apr 2023 22:54

Tgt Ion: 77 Resp: 59395
Ion Ratio Lower Upper
77 100
182 88.4 5.9 45.9#
105 166.4 2.3 42.3#
51 42.2 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133010.D

Acq: 24 Apr 2023 22:54

Instrument :

BNA_F

ClientSampleId :

CONCRETE-C

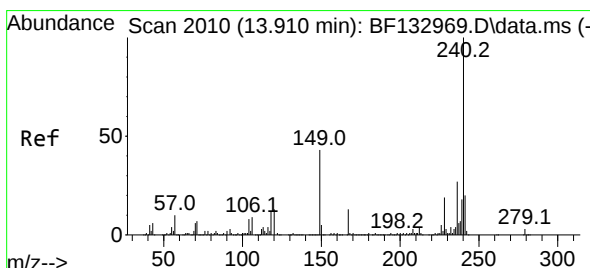
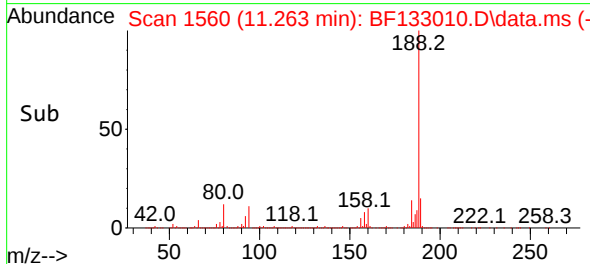
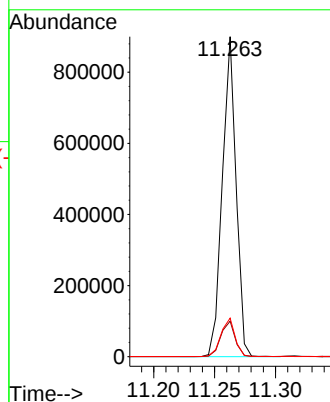
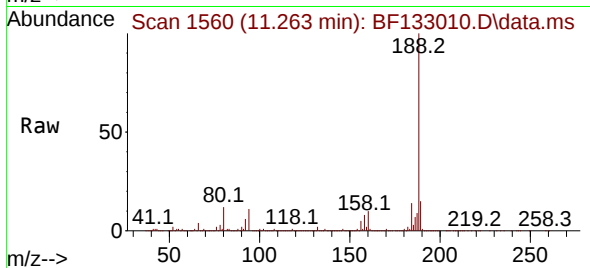
Tgt Ion:188 Resp: 708720

Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 12.0 10.4 15.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133010.D

Acq: 24 Apr 2023 22:54

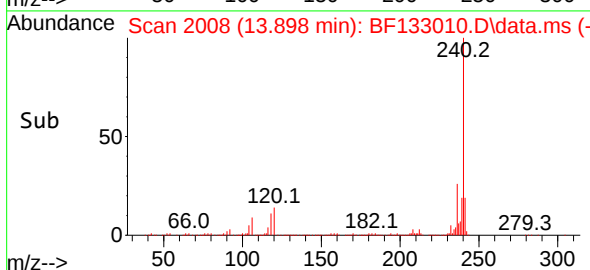
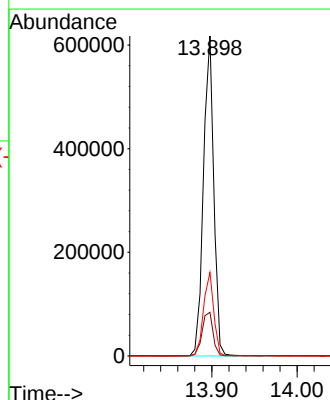
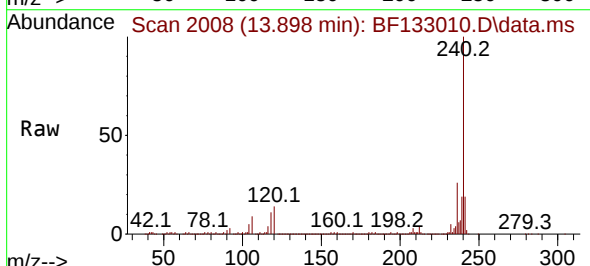
Tgt Ion:240 Resp: 519377

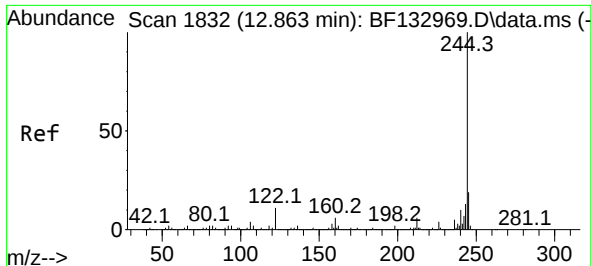
Ion Ratio Lower Upper

240 100

120 13.7 10.5 15.7

236 26.1 21.5 32.3

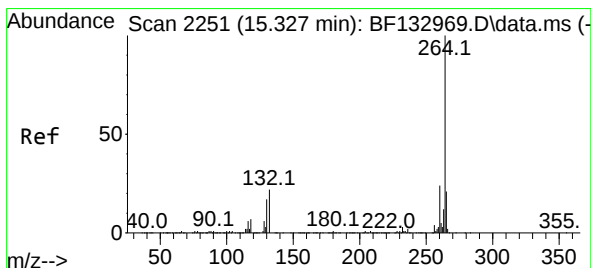
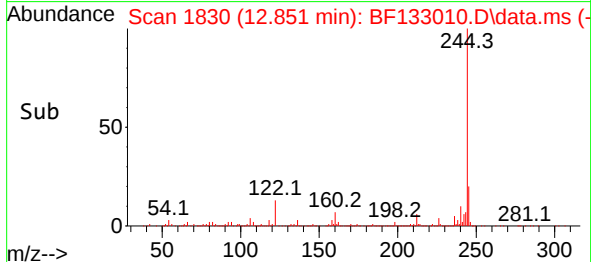
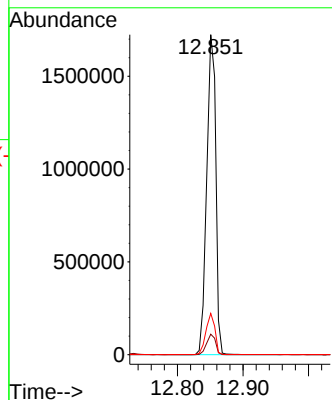
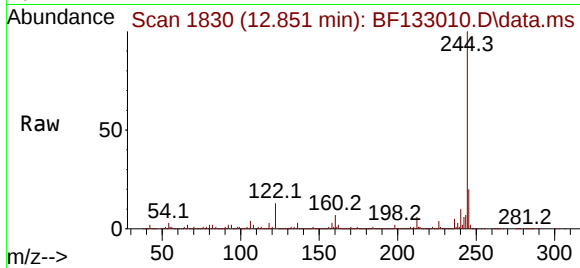




#79
 Terphenyl-d14
 Concen: 55.238 ng
 RT: 12.851 min Scan# 1830
 Delta R.T. -0.012 min
 Lab File: BF133010.D
 Acq: 24 Apr 2023 22:54

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-C

Tgt Ion:244 Resp: 1663459
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.9 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.321 min Scan# 2250
 Delta R.T. -0.006 min
 Lab File: BF133010.D
 Acq: 24 Apr 2023 22:54

Tgt Ion:264 Resp: 428258
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.3 17.0 25.4

