

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126555.D
 Acq On : 7 Jan 2022 21:12
 Operator : JU/CG
 Sample : N1065-05 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMI-1-CONCRETE

Quant Time: Jan 08 04:40:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

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

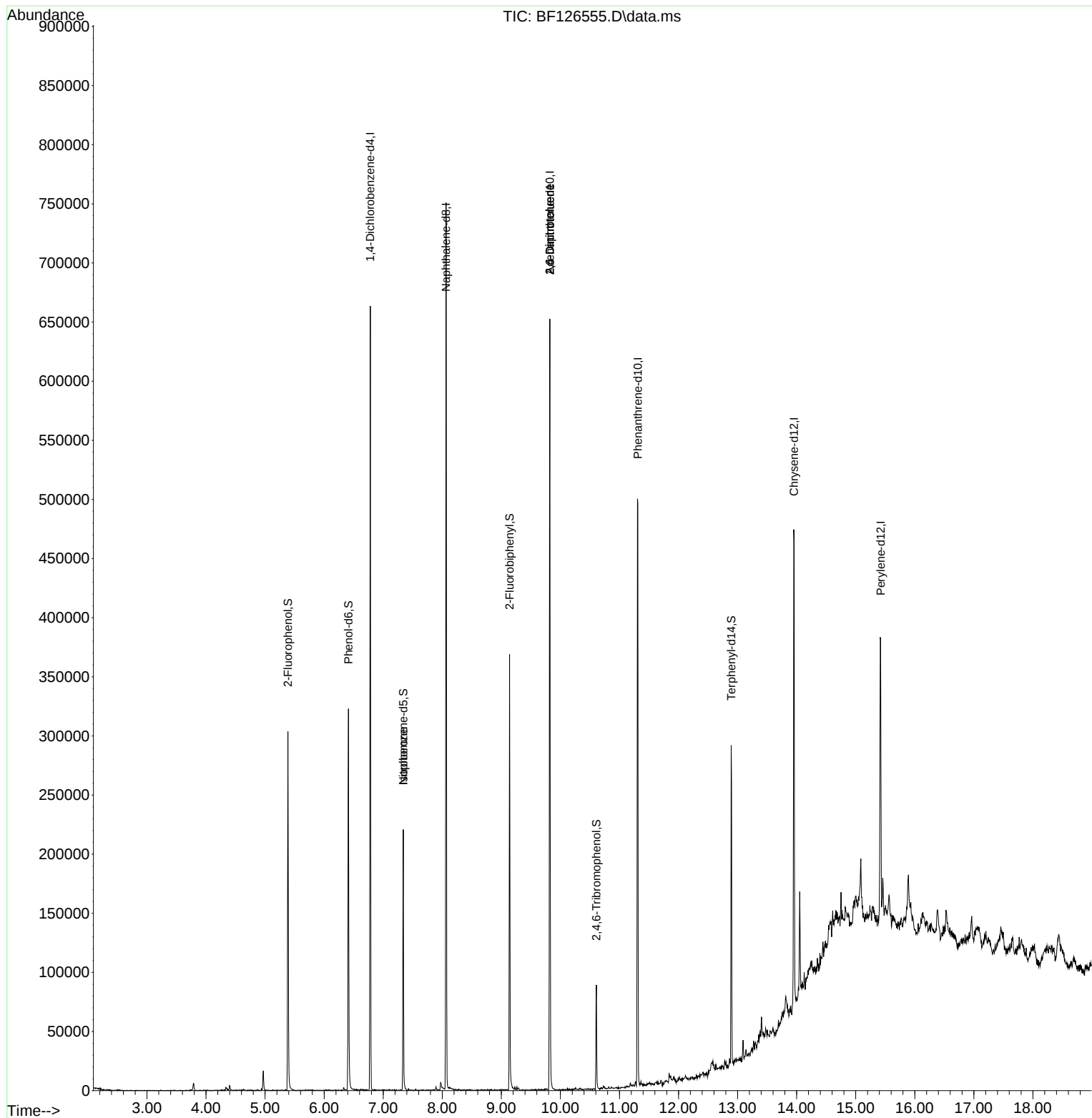
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	86503	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	314649	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	126749	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	185164	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	143569	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	107938	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	86499	14.360	ng	0.00
7) Phenol-d6	6.410	99	113853	14.593	ng	-0.01
23) Nitrobenzene-d5	7.340	82	63625	10.383	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	11425	11.665	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	107761	14.961	ng	-0.01
79) Terphenyl-d14	12.892	244	87049	11.780	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.340	82	63636	5.801	ng	# 69
51) 2,6-Dinitrotoluene	9.822	165	15714	9.196	ng	# 21
57) 2,4-Dinitrotoluene	9.822	165	15714	7.128	ng	# 15
77) Benzidine	12.892	184	1132	Below Cal		# 54

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

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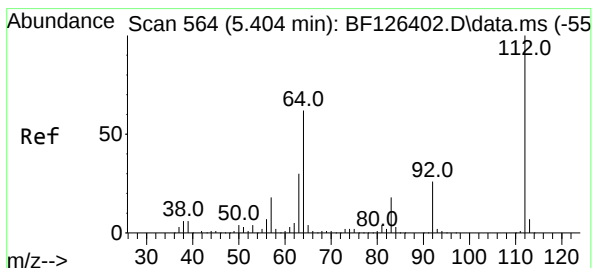
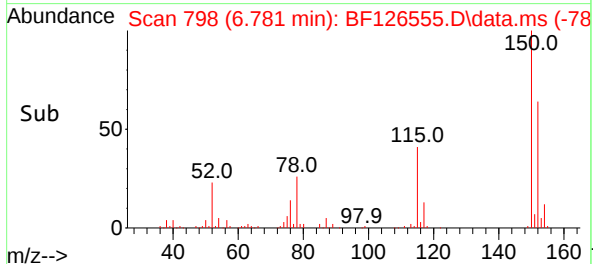
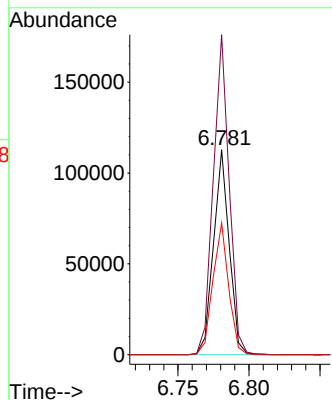
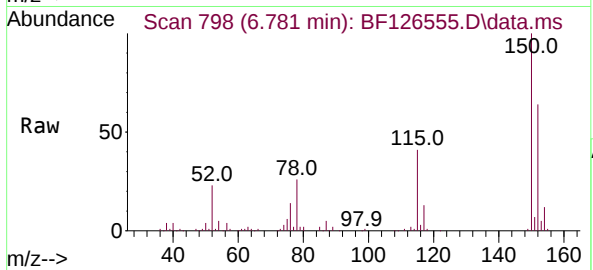




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

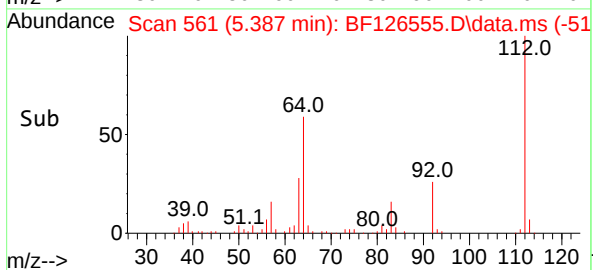
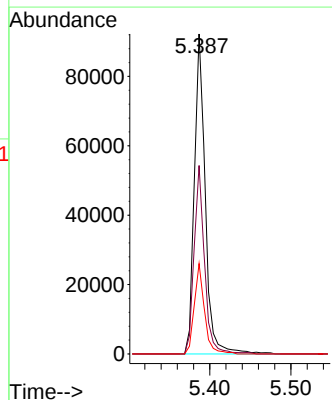
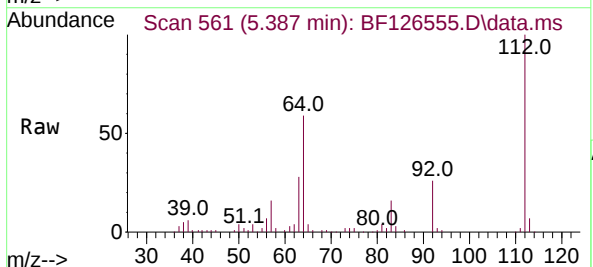
Instrument :
BNA_F
ClientSampleId :
AMI-1-CONCRETE

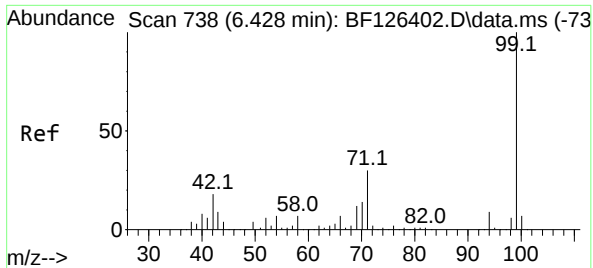
Tgt Ion:152 Resp: 86503
Ion Ratio Lower Upper
152 100
150 156.1 128.1 192.1
115 64.2 56.7 85.1



#5
2-Fluorophenol
Concen: 14.360 ng
RT: 5.387 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

Tgt Ion:112 Resp: 86499
Ion Ratio Lower Upper
112 100
64 58.9 49.5 74.3
63 28.3 23.9 35.9

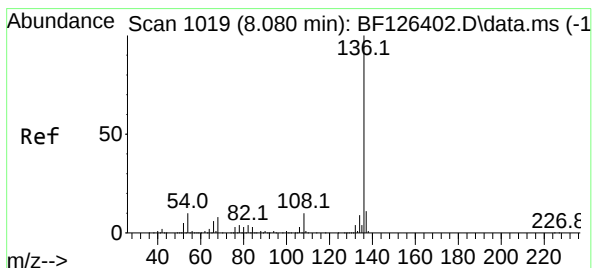
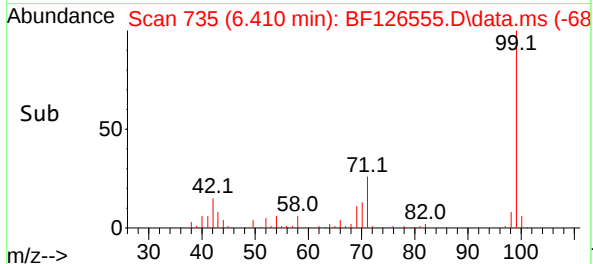
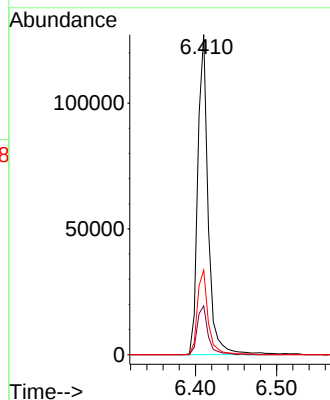
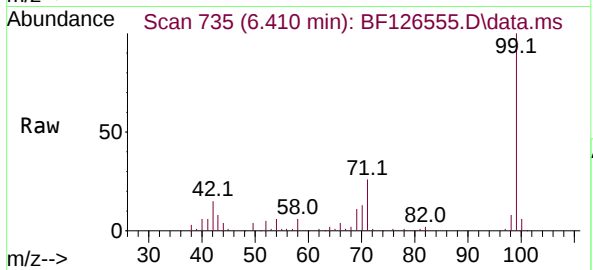




#7
Phenol-d6
Concen: 14.593 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

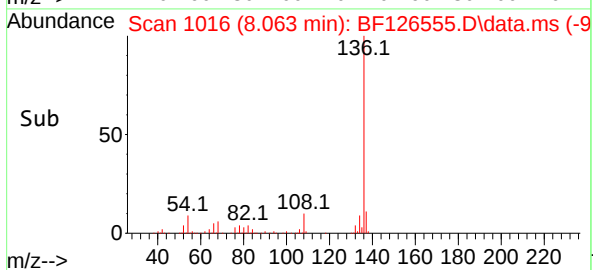
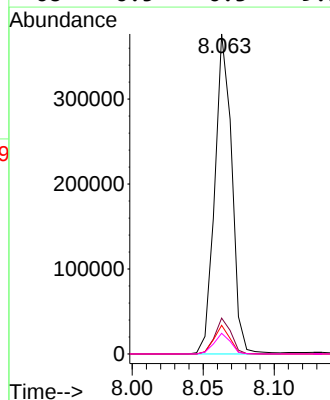
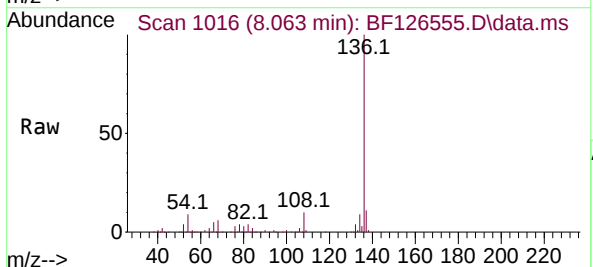
Instrument :
BNA_F
ClientSampleId :
AMI-1-CONCRETE

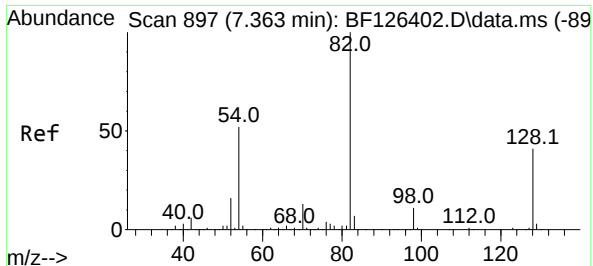
Tgt Ion: 99 Resp: 113853
Ion Ratio Lower Upper
99 100
42 15.2 14.2 21.4
71 26.5 24.3 36.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

Tgt Ion: 136 Resp: 314649
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.0 7.8 11.6
68 6.5 6.3 9.5





#23

Nitrobenzene-d5

Concen: 10.383 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF126555.D

Acq: 7 Jan 2022 21:12

Instrument :

BNA_F

ClientSampleId :

AMI-1-CONCRETE

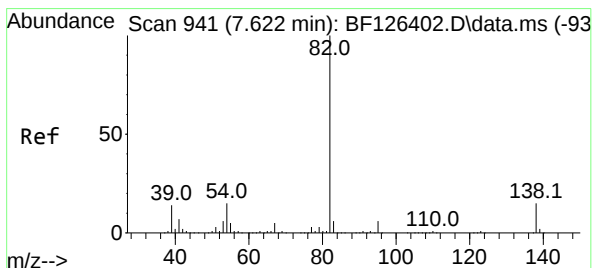
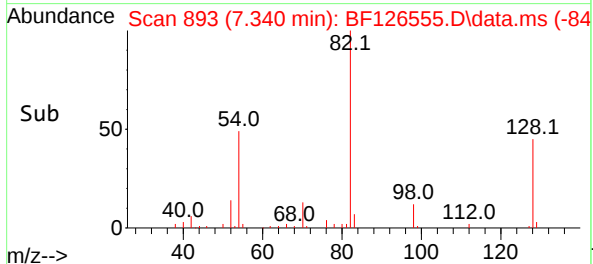
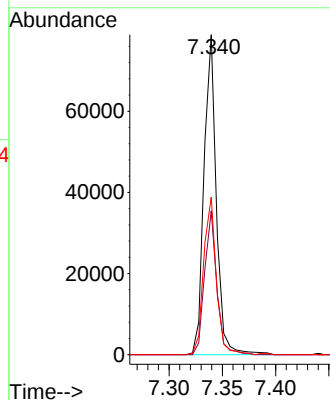
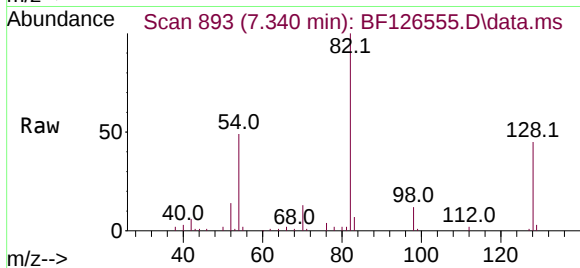
Tgt Ion: 82 Resp: 63625

Ion Ratio Lower Upper

82 100

128 45.0 32.7 49.1

54 49.3 41.7 62.5



#25

Isophorone

Concen: 5.801 ng

RT: 7.340 min Scan# 893

Delta R.T. -0.270 min

Lab File: BF126555.D

Acq: 7 Jan 2022 21:12

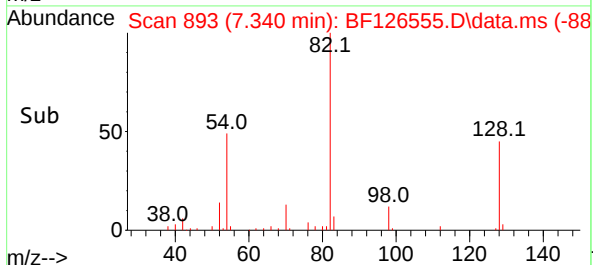
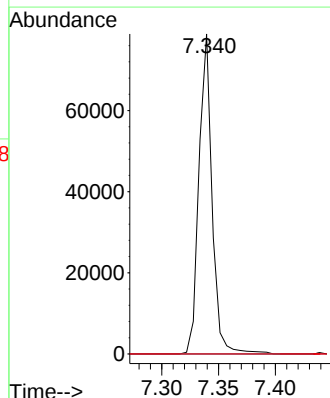
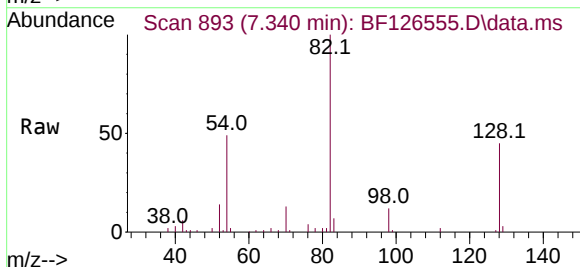
Tgt Ion: 82 Resp: 63636

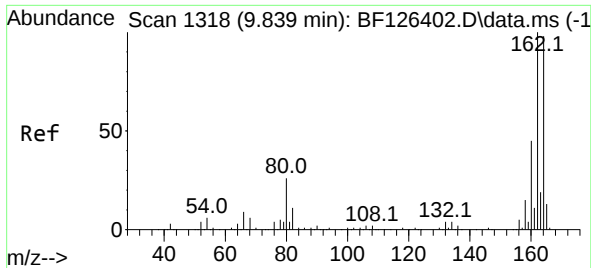
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#

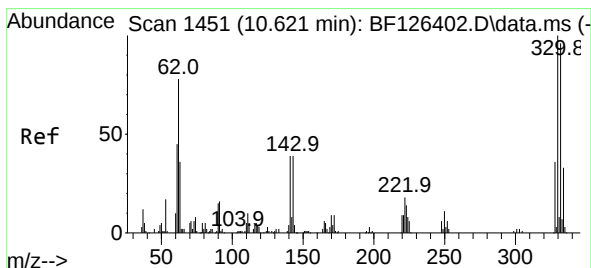
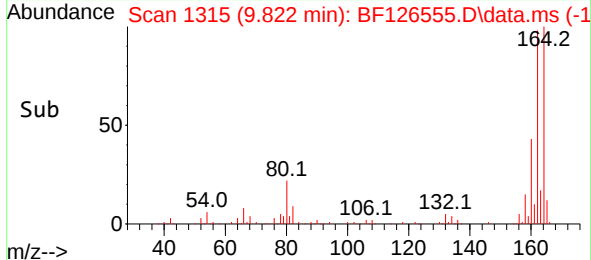
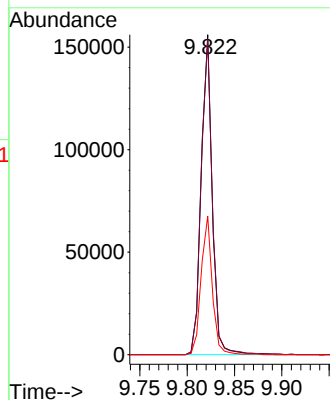
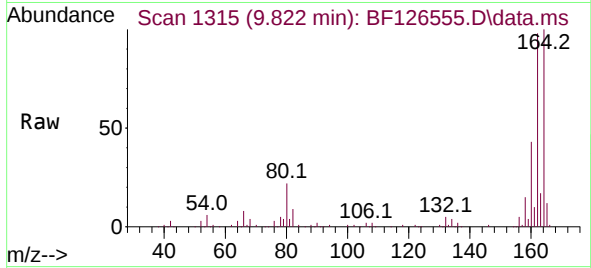




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

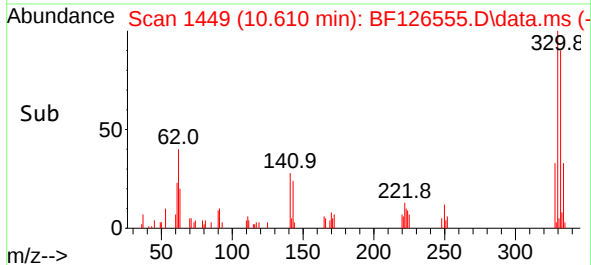
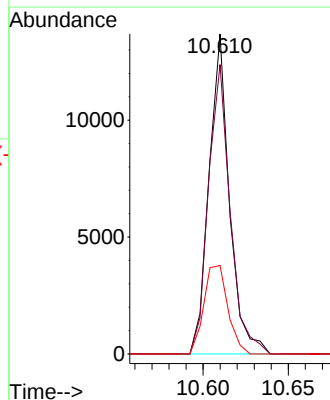
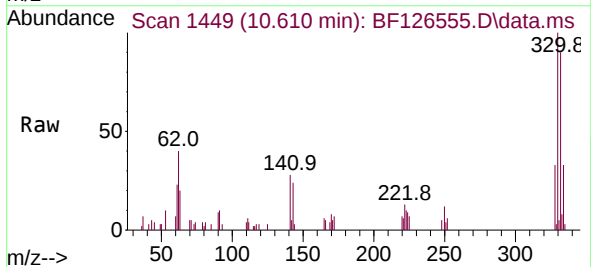
Instrument :
BNA_F
ClientSampleId :
AMI-1-CONCRETE

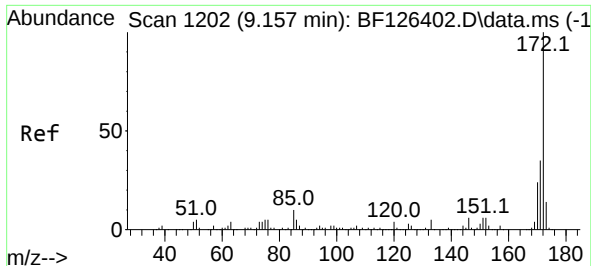
Tgt Ion:164 Resp: 126749
Ion Ratio Lower Upper
164 100
162 98.5 81.4 122.0
160 43.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 11.665 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

Tgt Ion:330 Resp: 11425
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 32.4 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 14.961 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF126555.D

Acq: 7 Jan 2022 21:12

Instrument :

BNA_F

ClientSampleId :

AMI-1-CONCRETE

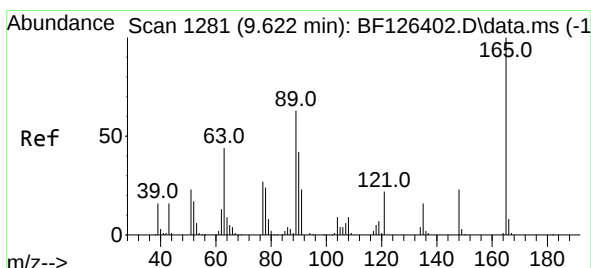
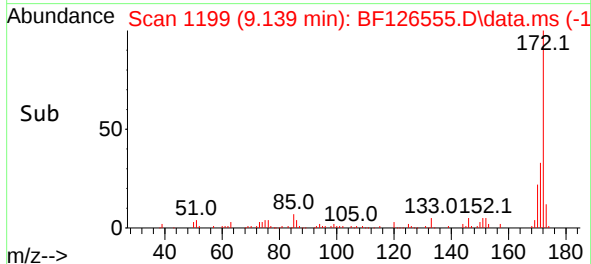
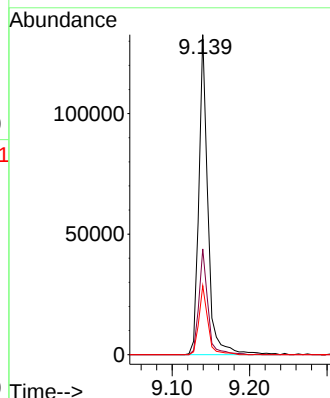
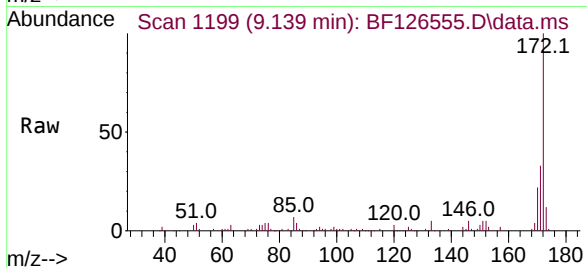
Tgt Ion:172 Resp: 107761

Ion Ratio Lower Upper

172 100

171 33.1 28.3 42.5

170 21.5 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.196 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.212 min

Lab File: BF126555.D

Acq: 7 Jan 2022 21:12

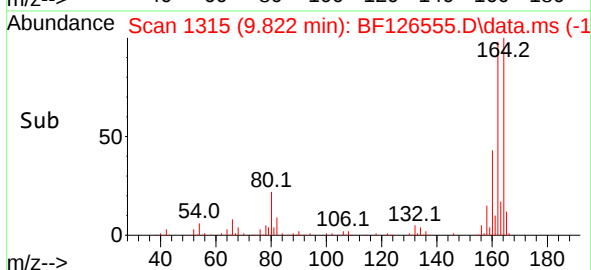
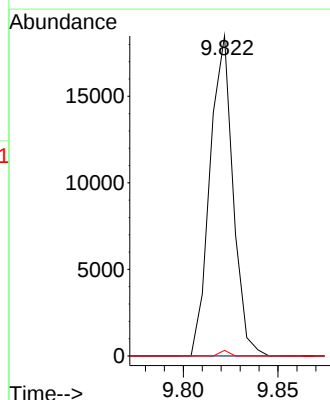
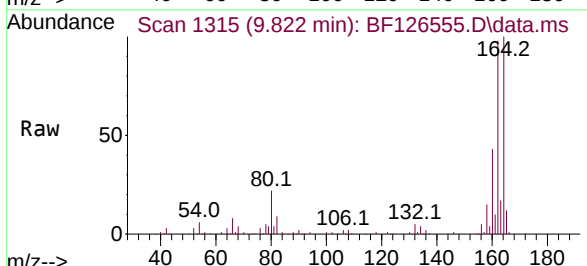
Tgt Ion:165 Resp: 15714

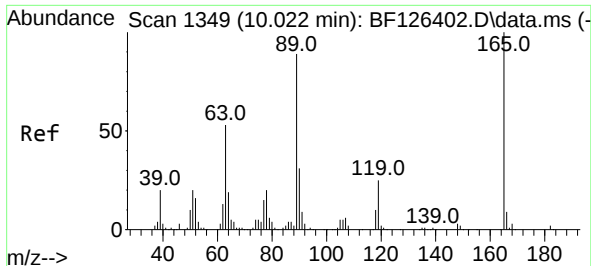
Ion Ratio Lower Upper

165 100

63 0.0 48.4 72.6#

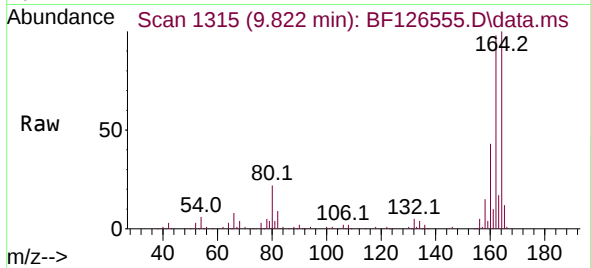
89 1.8 50.5 75.7#



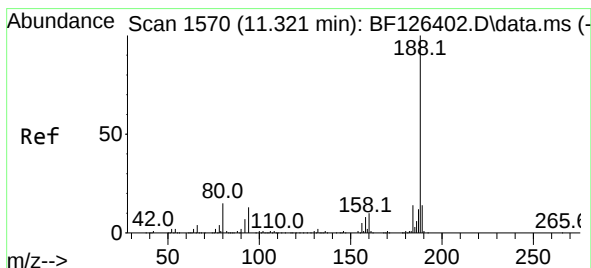
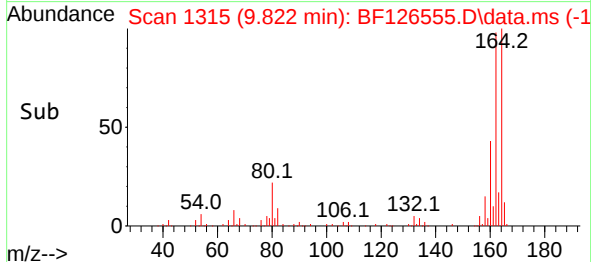
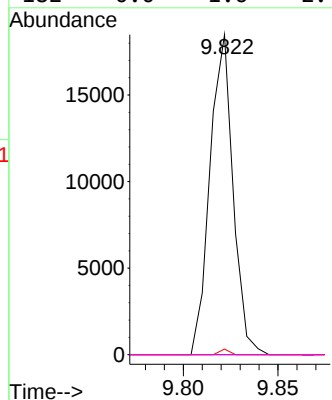


#57
2,4-Dinitrotoluene
Concen: 7.128 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

Instrument :
BNA_F
ClientSampleId :
AMI-1-CONCRETE

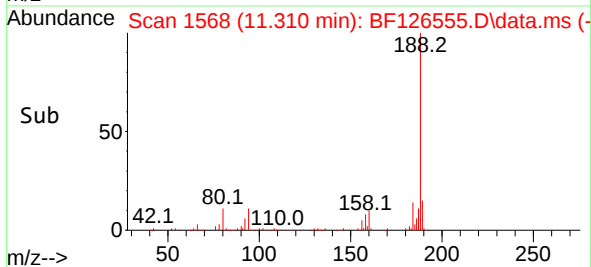
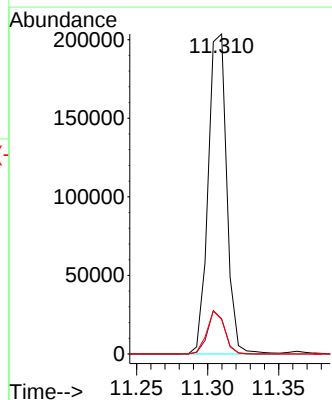
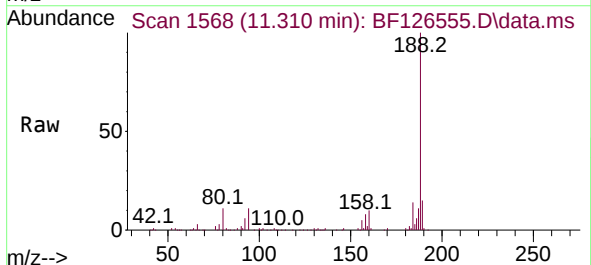


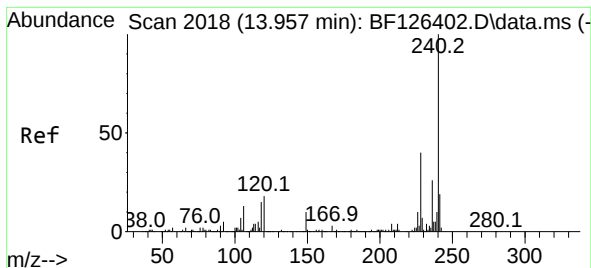
Tgt Ion:165 Resp: 15714
Ion Ratio Lower Upper
165 100
63 0.0 43.0 64.6#
89 1.8 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF126555.D
Acq: 7 Jan 2022 21:12

Tgt Ion:188 Resp: 185164
Ion Ratio Lower Upper
188 100
94 11.0 10.1 15.1
80 10.8 11.8 17.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF126555.D

Acq: 7 Jan 2022 21:12

Instrument :

BNA_F

ClientSampleId :

AMI-1-CONCRETE

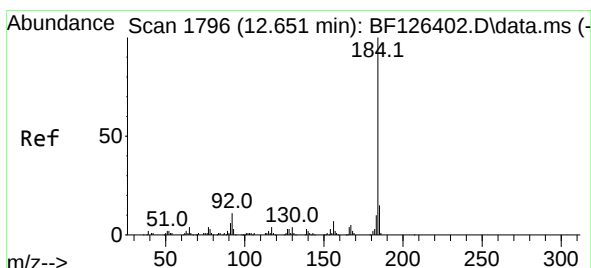
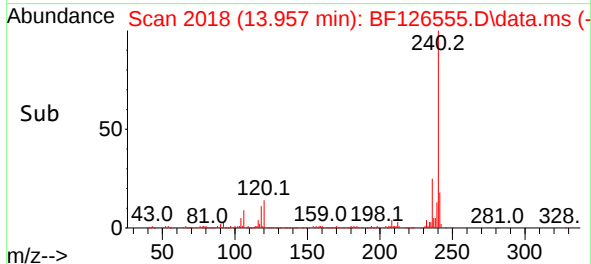
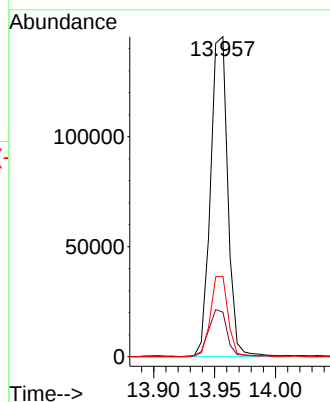
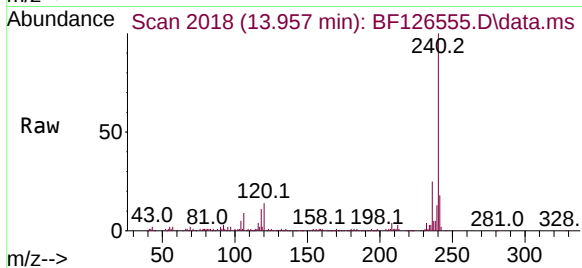
Tgt Ion:240 Resp: 143569

Ion Ratio Lower Upper

240 100

120 13.9 14.4 21.6#

236 25.2 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.892 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF126555.D

Acq: 7 Jan 2022 21:12

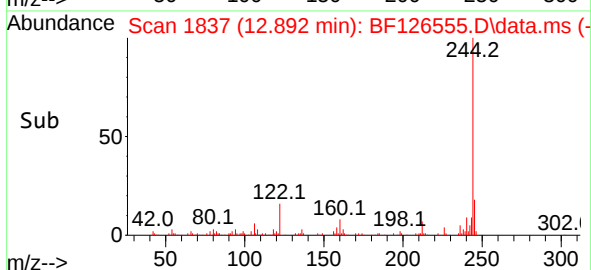
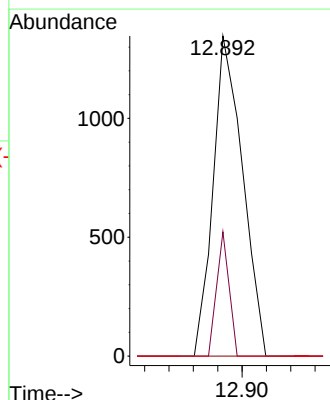
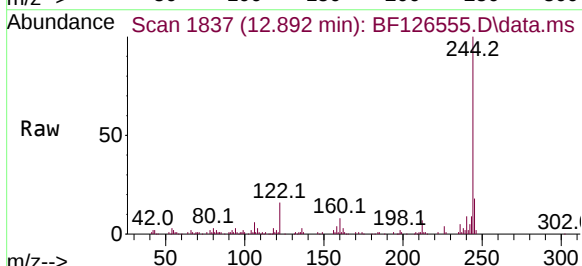
Tgt Ion:184 Resp: 1132

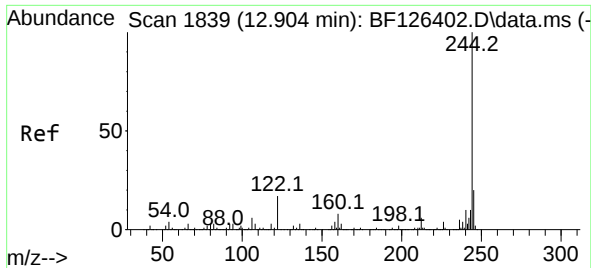
Ion Ratio Lower Upper

184 100

185 38.8 11.8 17.8#

183 0.0 8.2 12.2#

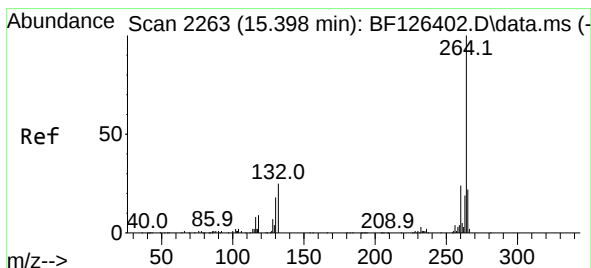
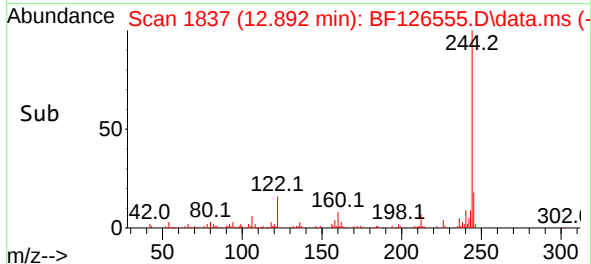
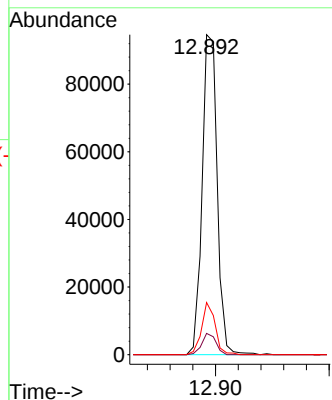
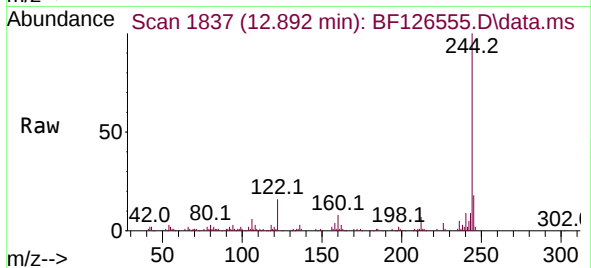




#79
 Terphenyl-d14
 Concen: 11.780 ng
 RT: 12.892 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF126555.D
 Acq: 7 Jan 2022 21:12

Instrument :
 BNA_F
 ClientSampleId :
 AMI-1-CONCRETE

Tgt Ion:244 Resp: 87049
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 16.3 13.3 19.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. 0.035 min
 Lab File: BF126555.D
 Acq: 7 Jan 2022 21:12

Tgt Ion:264 Resp: 107938
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 20.2 17.4 26.2

