

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031424\
 Data File : BN030397.D
 Acq On : 14 Mar 2024 14:46
 Operator : MA/JU
 Sample : P1726-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 M6-CONCRETE

Quant Time: Mar 14 15:19:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 11:36:29 2024
 Response via : Initial Calibration

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

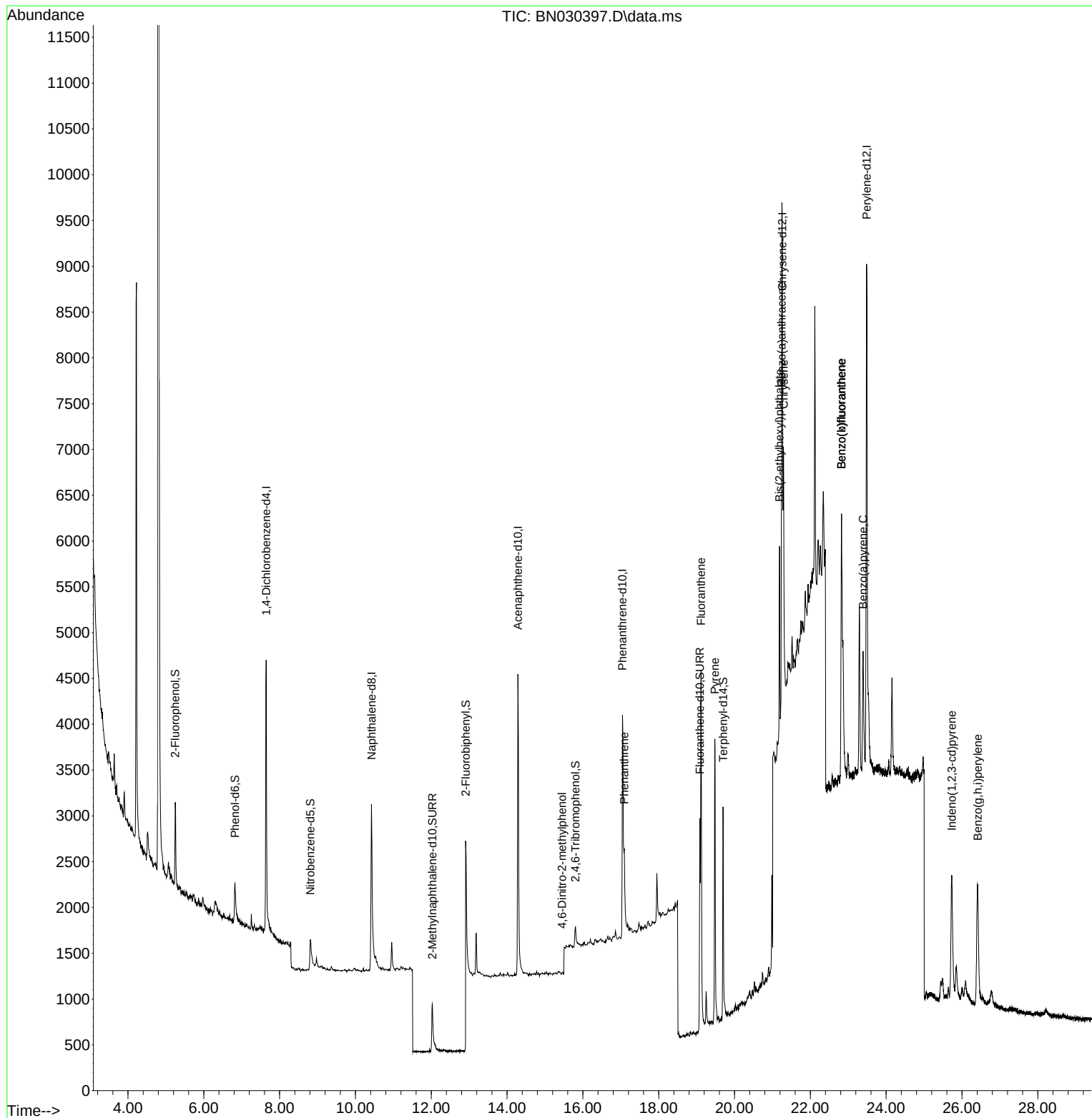
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.645	152	1670	0.400	ng	0.00
7) Naphthalene-d8	10.423	136	3786	0.400	ng	0.00
13) Acenaphthene-d10	14.287	164	2395	0.400	ng	0.00
19) Phenanthrene-d10	17.044	188	5099	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	6164	0.400	ng	# 0.00
35) Perylene-d12	23.484	264	8498	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.247	112	739	0.170	ng	0.00
5) Phenol-d6	6.822	99	657	0.155	ng	0.00
8) Nitrobenzene-d5	8.811	82	620	0.179	ng	0.01
11) 2-Methylnaphthalene-d10	12.027	152	1228	0.209	ng	0.00
14) 2,4,6-Tribromophenol	15.803	330	204	0.146	ng	0.01
15) 2-Fluorobiphenyl	12.907	172	1667	0.173	ng	0.00
27) Fluoranthene-d10	19.085	212	3263	0.221	ng	0.00
31) Terphenyl-d14	19.698	244	2752	0.197	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	15.452	198	1	0.180	ng	# 35
25) Phenanthrene	17.094	178	1034	0.076	ng	# 96
28) Fluoranthene	19.118	202	4154	0.227	ng	# 98
30) Pyrene	19.480	202	3344	0.145	ng	96
32) Benzo(a)anthracene	21.241	228	1720	0.084	ng	# 85
33) Chrysene	21.295	228	3174	0.140	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.188	149	2099	0.196	ng	98
36) Indeno(1,2,3-cd)pyrene	25.730	276	2714	0.075	ng	# 94
37) Benzo(b)fluoranthene	22.821	252	5102	0.184	ng	# 60
38) Benzo(k)fluoranthene	22.821	252	1361	0.049	ng	# 60
39) Benzo(a)pyrene	23.394	252	2326	0.090	ng	# 25
41) Benzo(g,h,i)perylene	26.414	276	3189	0.094	ng	# 80

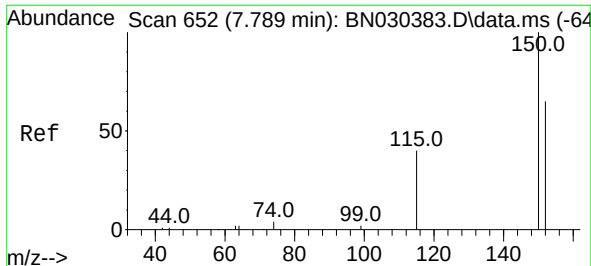
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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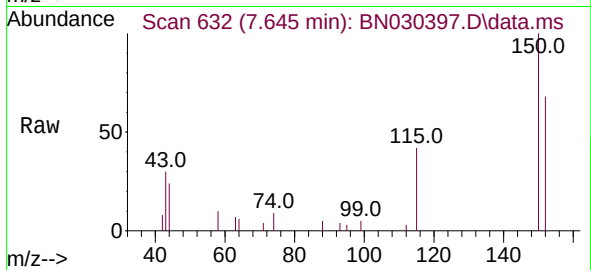
Quant Time: Mar 14 15:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031324.M
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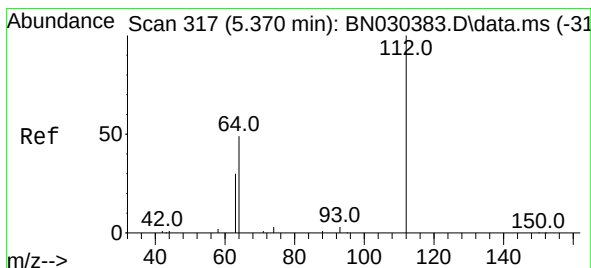
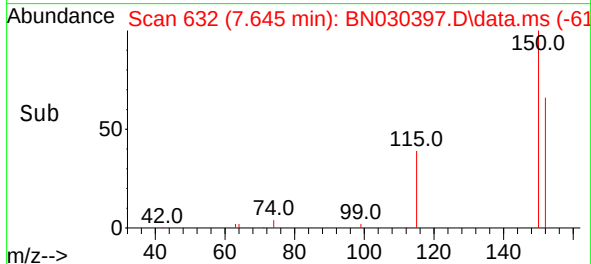
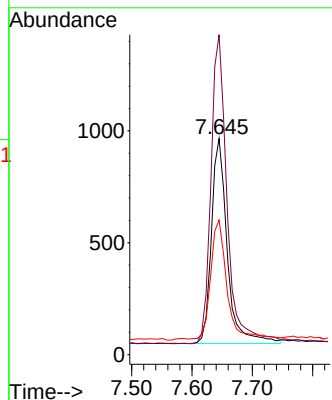


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.645 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Instrument :
BNA_N
ClientSampleId :
M6-CONCRETE

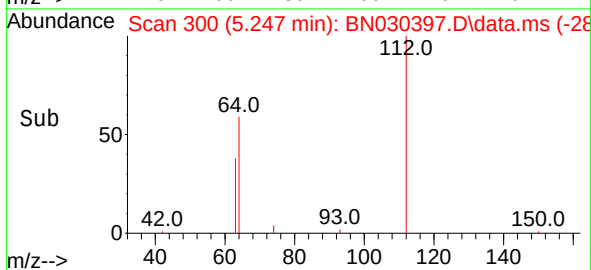
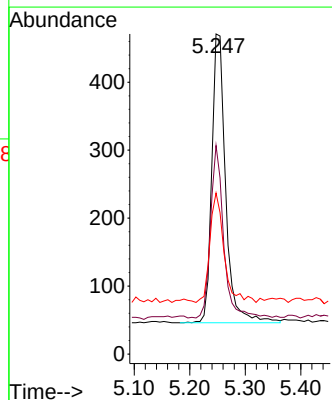
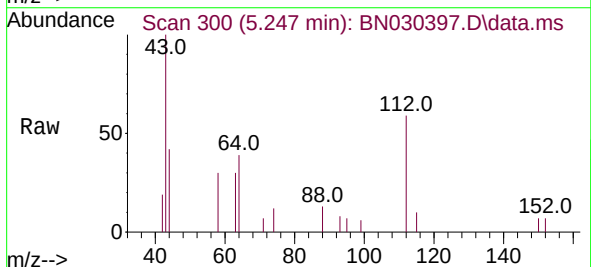


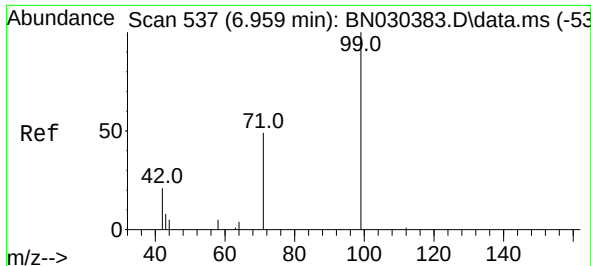
Tgt Ion:152 Resp: 1670
Ion Ratio Lower Upper
152 100
150 148.0 120.4 180.6
115 62.3 52.8 79.2



#4
2-Fluorophenol
Concen: 0.170 ng
RT: 5.247 min Scan# 300
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

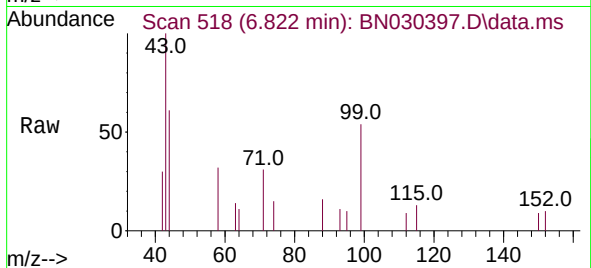
Tgt Ion:112 Resp: 739
Ion Ratio Lower Upper
112 100
64 57.0 45.6 68.4
63 38.3 28.2 42.4



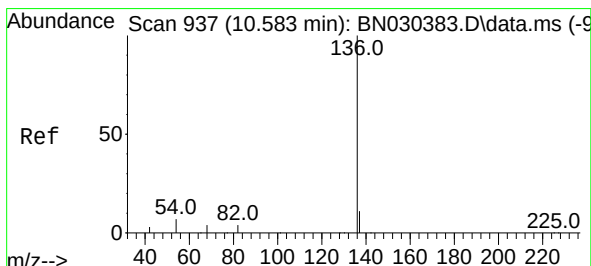
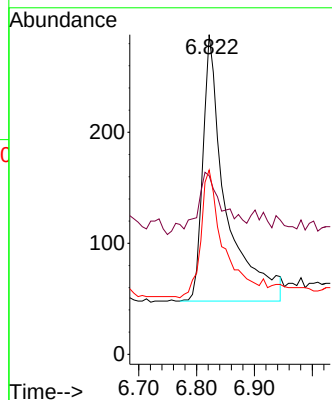
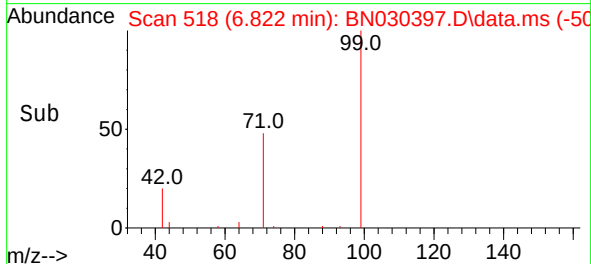


#5
Phenol-d6
Concen: 0.155 ng
RT: 6.822 min Scan# 518
Delta R.T. 0.007 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Instrument :
BNA_N
ClientSampleId :
M6-CONCRETE

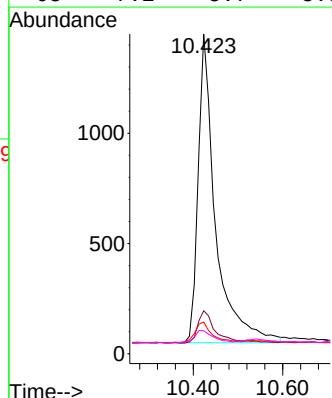
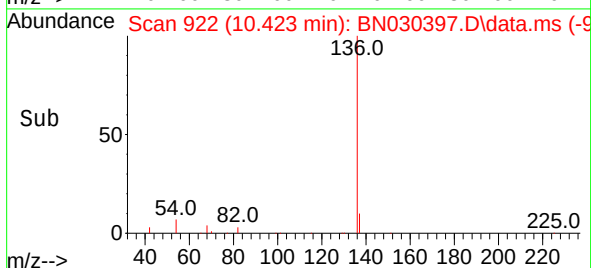
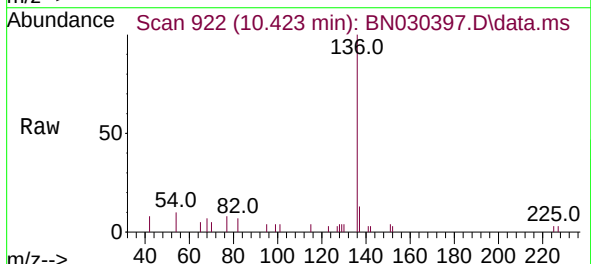


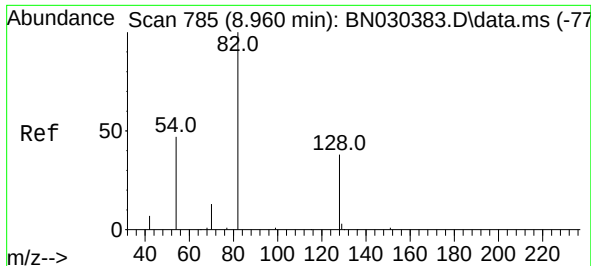
Tgt Ion: 99 Resp: 657
Ion Ratio Lower Upper
99 100
42 27.2 17.0 25.6#
71 47.9 37.0 55.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.423 min Scan# 922
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Tgt Ion: 136 Resp: 3786
Ion Ratio Lower Upper
136 100
137 13.4 11.0 16.6
54 9.9 7.8 11.8
68 7.2 5.7 8.5

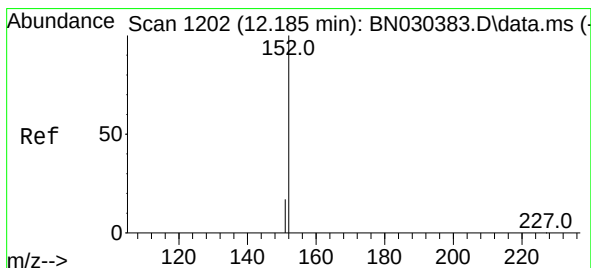
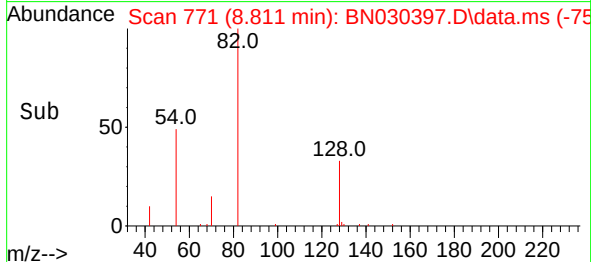
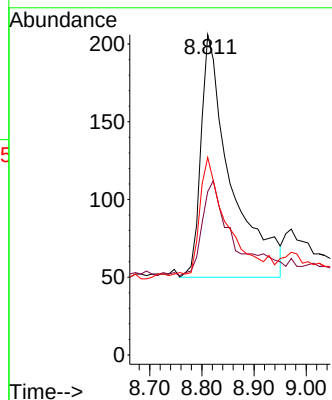
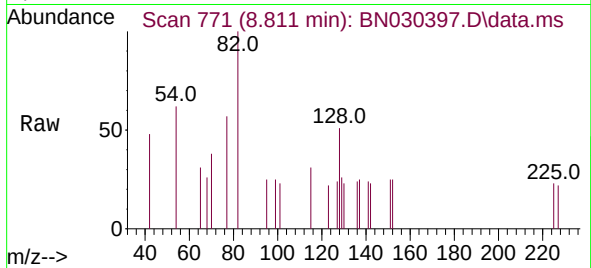




#8
 Nitrobenzene-d5
 Concen: 0.179 ng
 RT: 8.811 min Scan# 71
 Delta R.T. 0.011 min
 Lab File: BN030397.D
 Acq: 14 Mar 2024 14:46

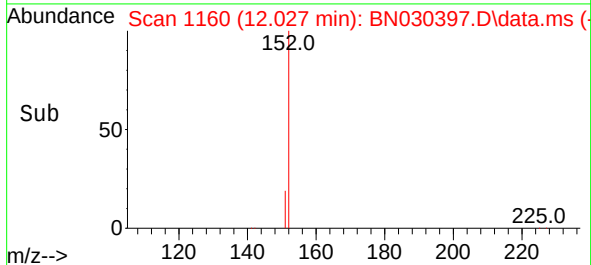
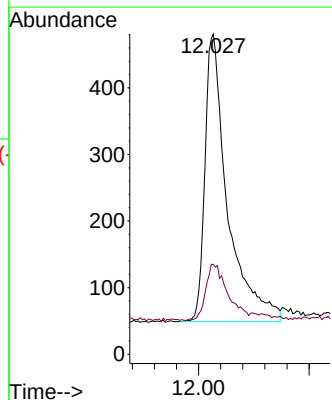
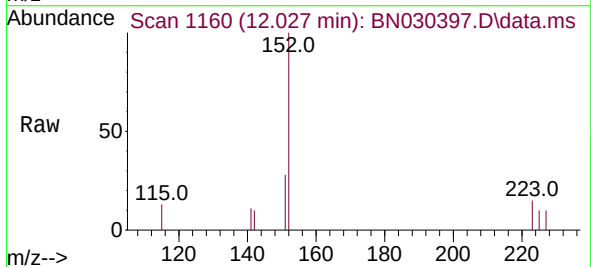
Instrument :
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 ClientSampleId :
 M6-CONCRETE

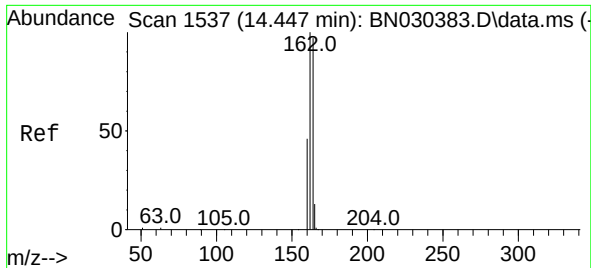
Tgt Ion: 82 Resp: 620
 Ion Ratio Lower Upper
 82 100
 128 51.0 35.2 52.8
 54 61.7 41.5 62.3



#11
 2-Methylnaphthalene-d10
 Concen: 0.209 ng
 RT: 12.027 min Scan# 1160
 Delta R.T. 0.004 min
 Lab File: BN030397.D
 Acq: 14 Mar 2024 14:46

Tgt Ion: 152 Resp: 1228
 Ion Ratio Lower Upper
 152 100
 151 18.9 15.8 23.8

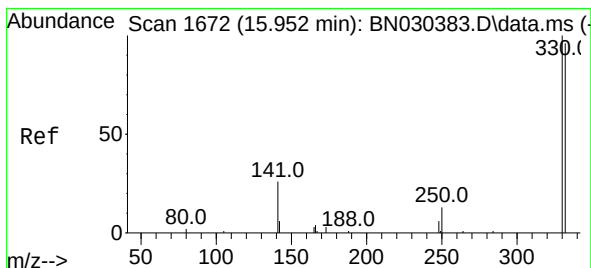
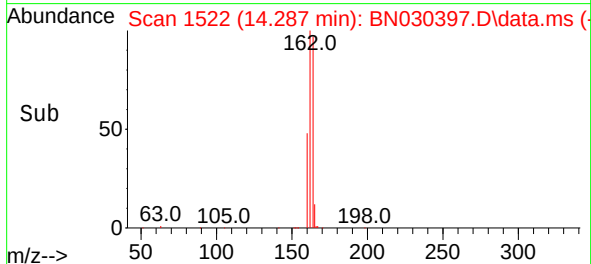
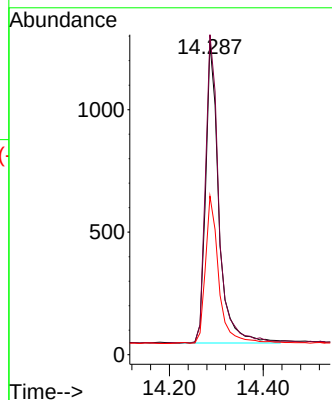
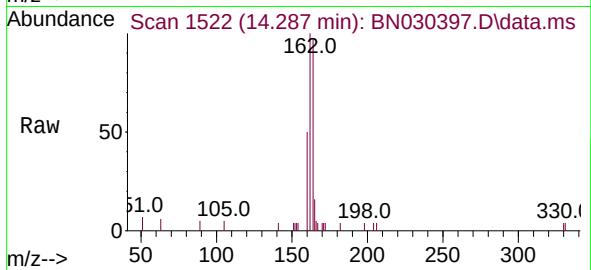




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.287 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

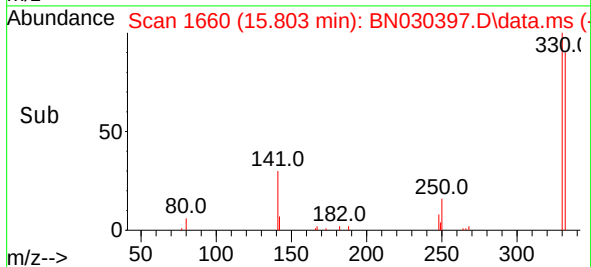
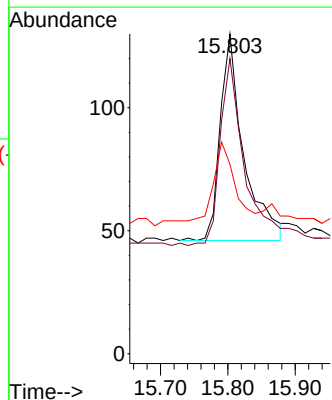
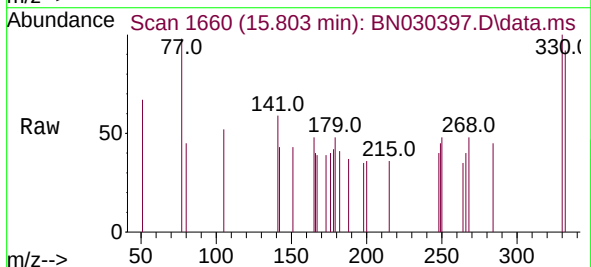
Instrument :
BNA_N
ClientSampleId :
M6-CONCRETE

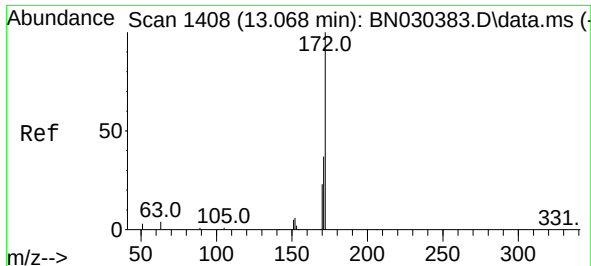
Tgt Ion:164 Resp: 2395
Ion Ratio Lower Upper
164 100
162 102.6 82.6 124.0
160 50.8 39.5 59.3



#14
2,4,6-Tribromophenol
Concen: 0.146 ng
RT: 15.803 min Scan# 1660
Delta R.T. 0.012 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Tgt Ion:330 Resp: 204
Ion Ratio Lower Upper
330 100
332 94.1 77.2 115.8
141 32.8 31.4 47.2

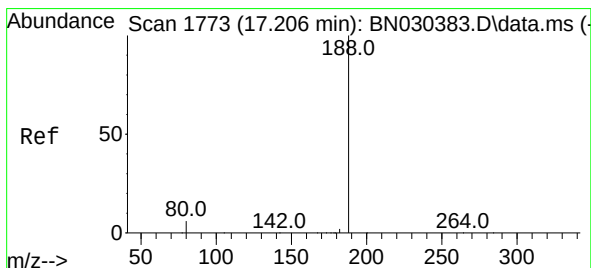
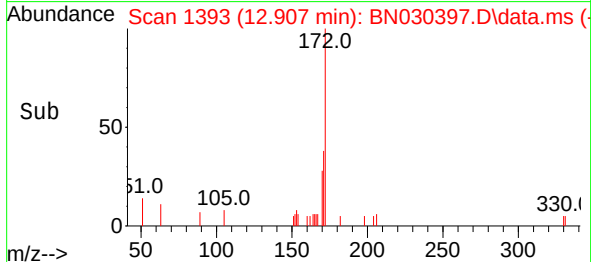
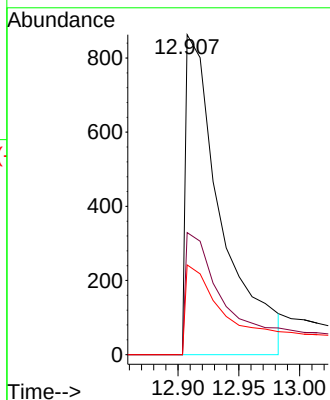
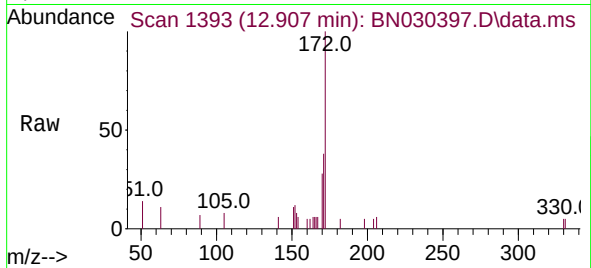




#15
2-Fluorobiphenyl
Concen: 0.173 ng
RT: 12.907 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

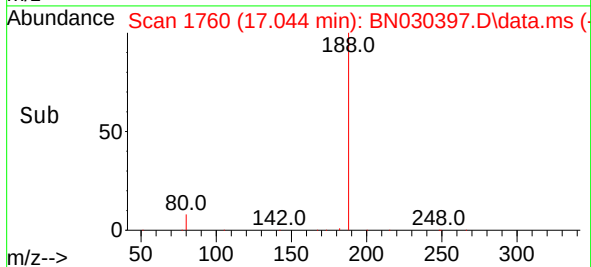
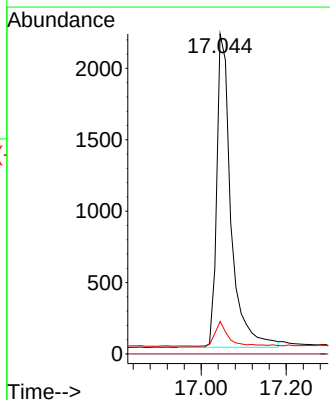
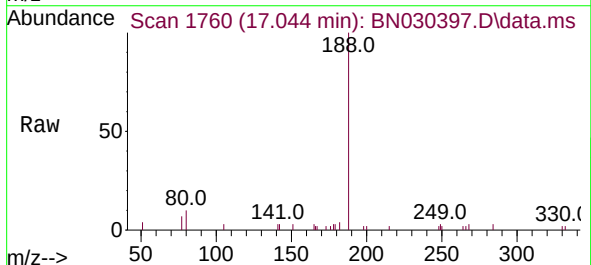
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ClientSampleId :
M6-CONCRETE

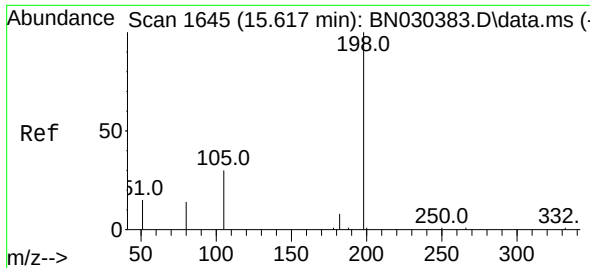
Tgt Ion:172 Resp: 1667
Ion Ratio Lower Upper
172 100
171 38.1 31.0 46.6
170 28.0 20.6 31.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.044 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Tgt Ion:188 Resp: 5099
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 6.4 9.6#

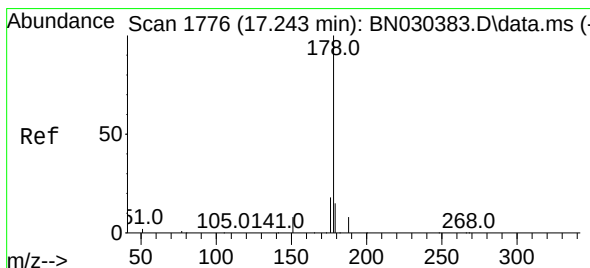
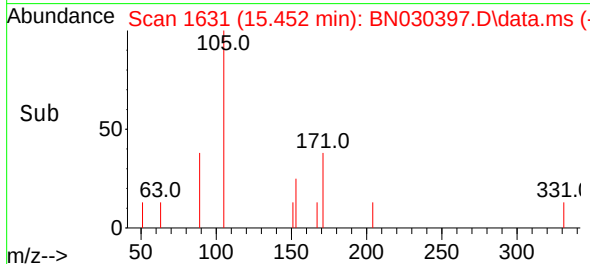
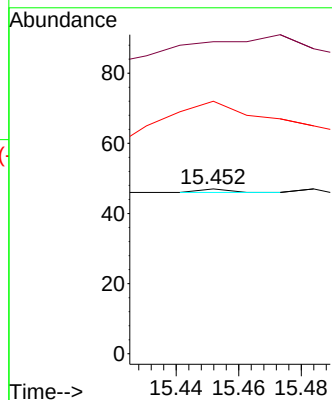
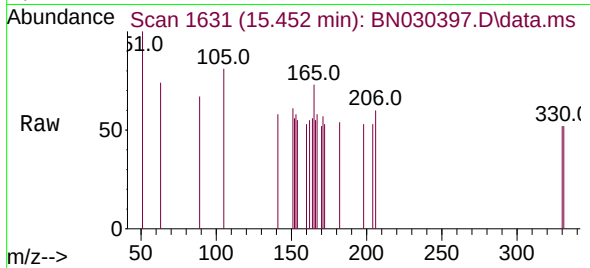




#20
4,6-Dinitro-2-methylphenol
Concen: 0.180 ng
RT: 15.452 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

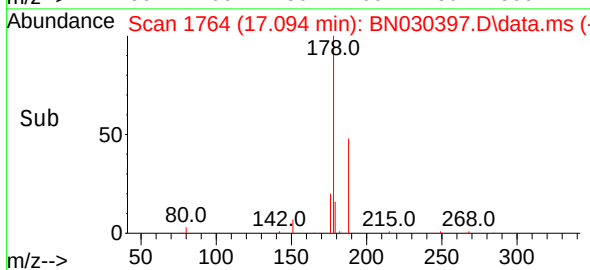
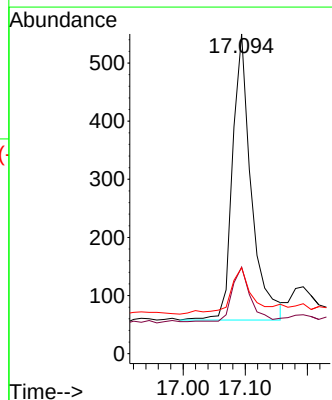
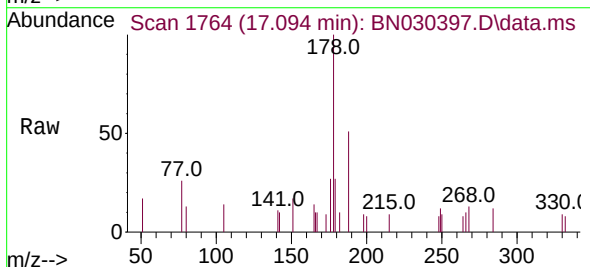
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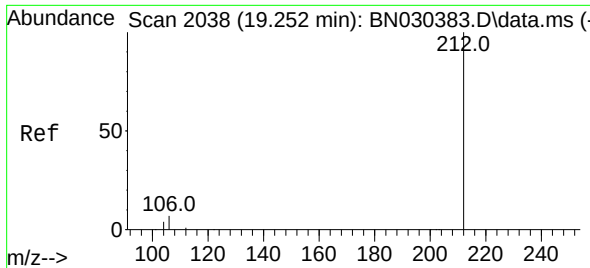
Tgt Ion:198 Resp: 1
Ion Ratio Lower Upper
198 100
51 189.4 110.8 166.2#
105 153.2 51.7 77.5#



#25
Phenanthrene
Concen: 0.076 ng
RT: 17.094 min Scan# 1764
Delta R.T. 0.012 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Tgt Ion:178 Resp: 1034
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 18.6 12.1 18.1#

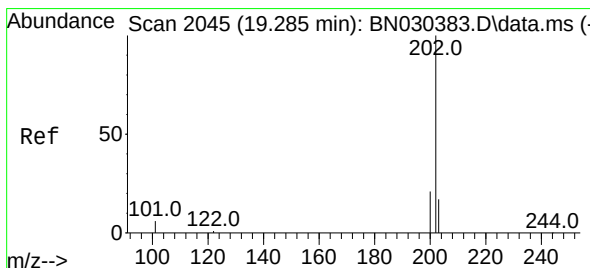
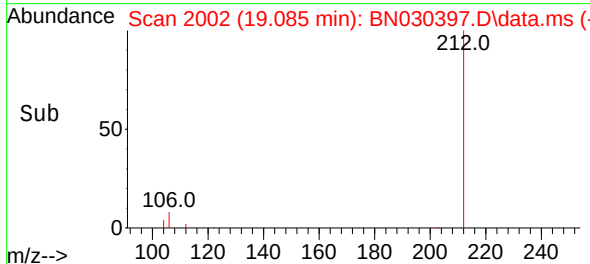
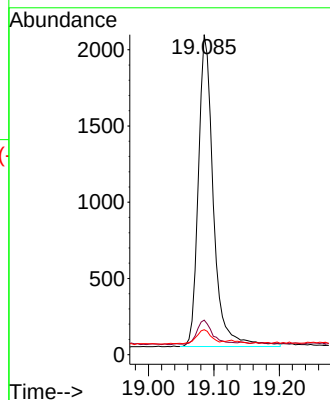
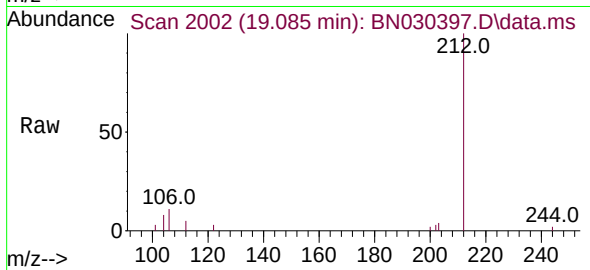




#27
Fluoranthene-d10
Concen: 0.221 ng
RT: 19.085 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

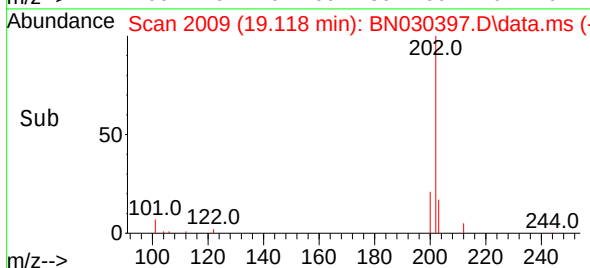
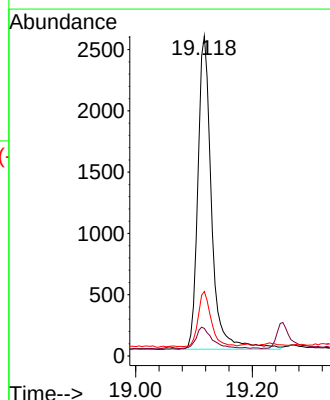
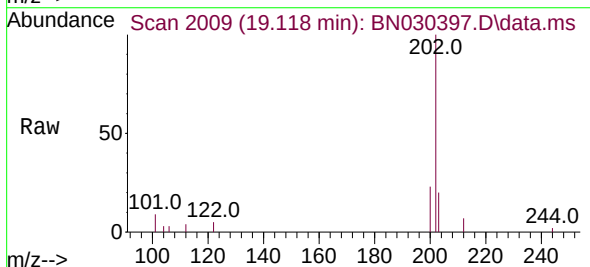
Instrument :
BNA_N
ClientSampleId :
M6-CONCRETE

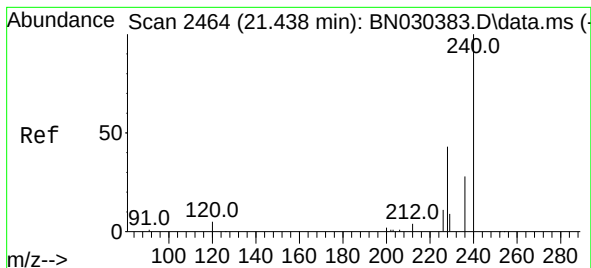
Tgt Ion:212 Resp: 3263
Ion Ratio Lower Upper
212 100
106 7.9 6.0 9.0
104 4.4 3.4 5.0



#28
Fluoranthene
Concen: 0.227 ng
RT: 19.118 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Tgt Ion:202 Resp: 4154
Ion Ratio Lower Upper
202 100
101 8.0 4.6 6.8#
203 16.5 13.4 20.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.259 min Scan# 2464

Delta R.T. 0.009 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

Instrument :

BNA_N

ClientSampleId :

M6-CONCRETE

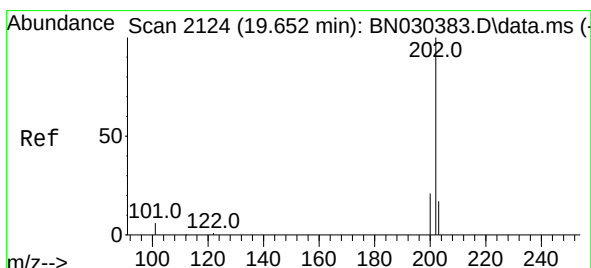
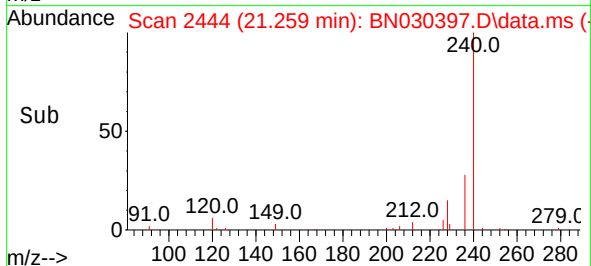
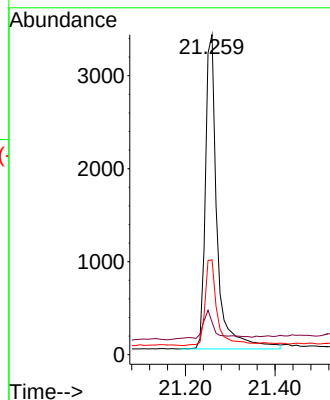
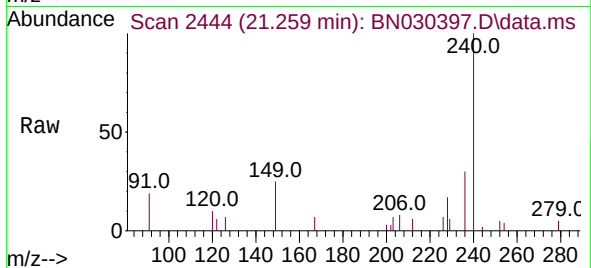
Tgt Ion:240 Resp: 6164

Ion Ratio Lower Upper

240 100

120 10.1 6.7 10.1#

236 29.7 23.8 35.8



#30

Pyrene

Concen: 0.145 ng

RT: 19.480 min Scan# 2087

Delta R.T. -0.000 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

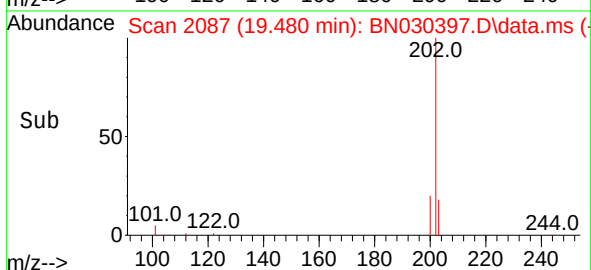
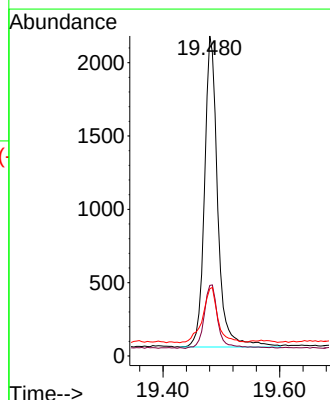
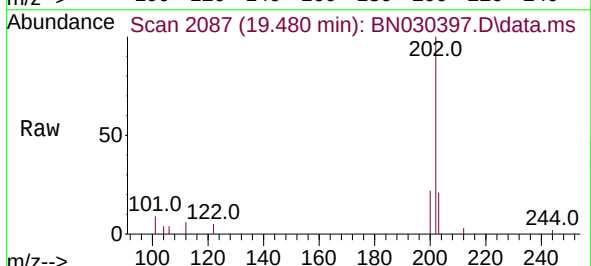
Tgt Ion:202 Resp: 3344

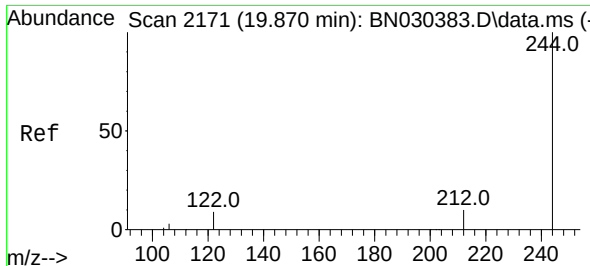
Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 20.4 13.8 20.8

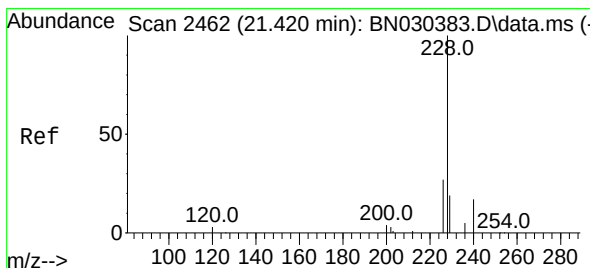
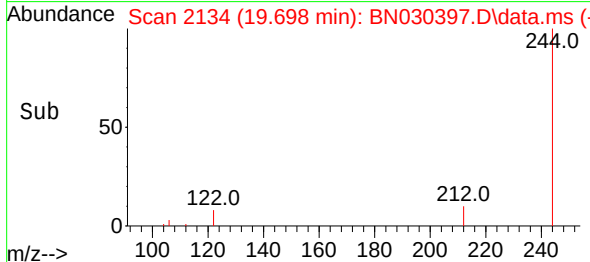
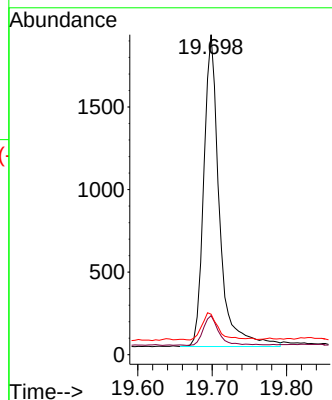
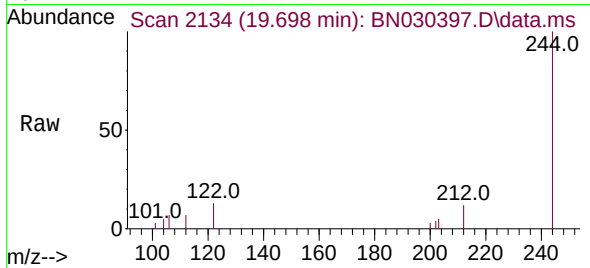




#31
Terphenyl-d14
Concen: 0.197 ng
RT: 19.698 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

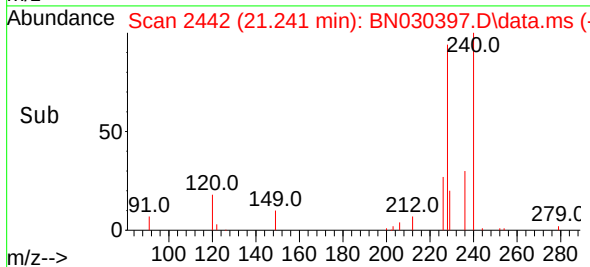
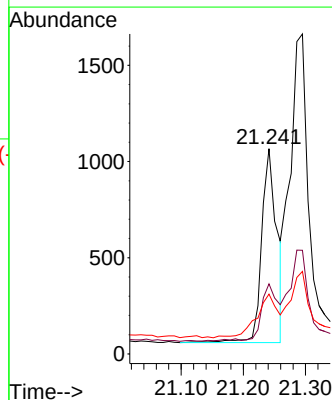
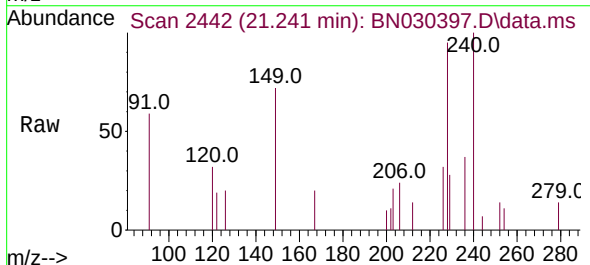
Instrument :
BNA_N
ClientSampleId :
M6-CONCRETE

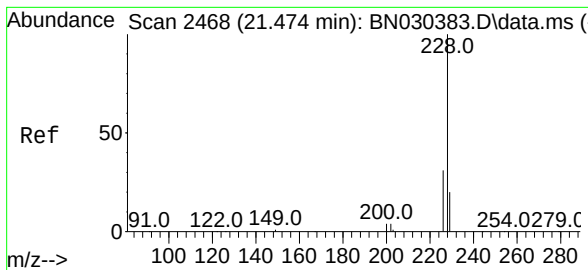
Tgt Ion:244	Resp:	2752
Ion Ratio	Lower	Upper
244	100	
212	12.2	9.8 14.6
122	12.6	8.6 12.8



#32
Benzo(a)anthracene
Concen: 0.084 ng
RT: 21.241 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN030397.D
Acq: 14 Mar 2024 14:46

Tgt Ion:228	Resp:	1720
Ion Ratio	Lower	Upper
228	100	
226	34.1	22.2 33.2#
229	29.1	16.4 24.6#





#33

Chrysene

Concen: 0.140 ng

RT: 21.295 min Scan# 2448

Delta R.T. 0.009 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

Instrument :

BNA_N

ClientSampleId :

M6-CONCRETE

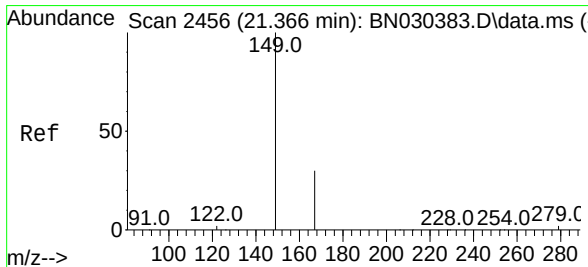
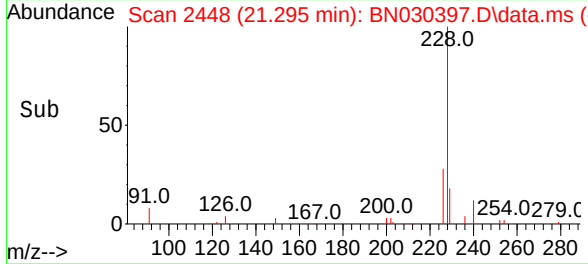
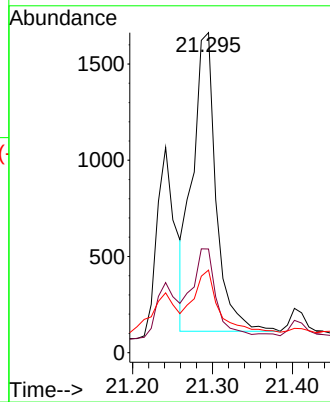
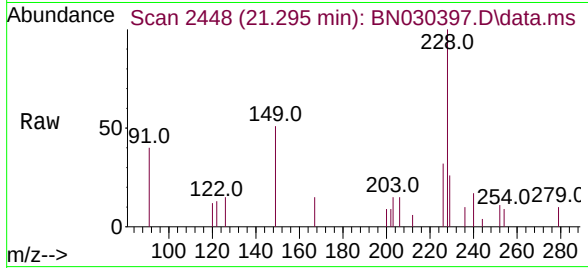
Tgt Ion:228 Resp: 3174

Ion Ratio Lower Upper

228 100

226 32.4 25.0 37.6

229 25.8 16.9 25.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.196 ng

RT: 21.188 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

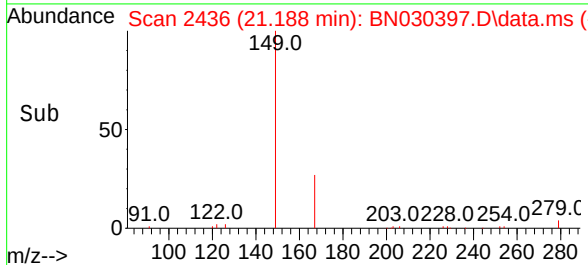
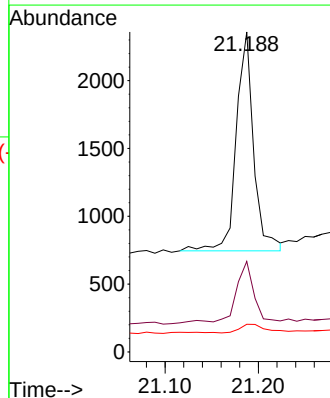
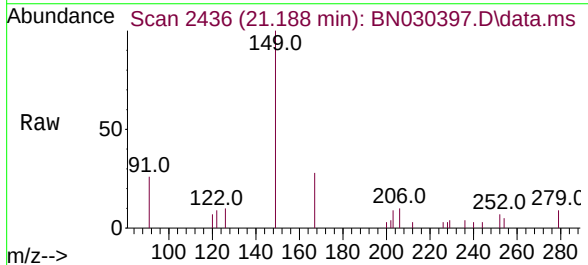
Tgt Ion:149 Resp: 2099

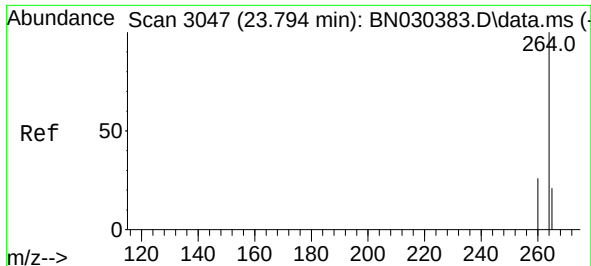
Ion Ratio Lower Upper

149 100

167 28.8 23.8 35.6

279 6.1 5.1 7.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.484 min Scan# 20

Delta R.T. -0.006 min

Lab File: BN030397.D

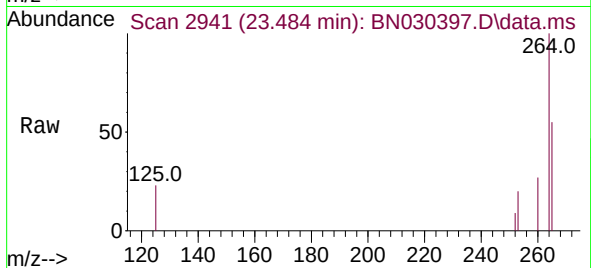
Acq: 14 Mar 2024 14:46

Instrument :

BNA_N

ClientSampleId :

M6-CONCRETE



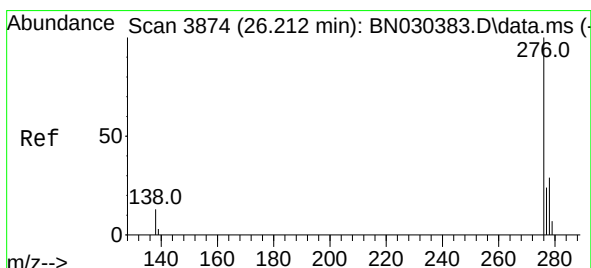
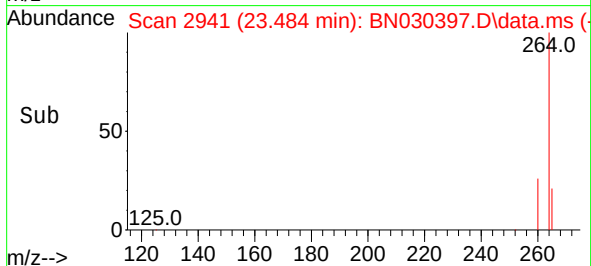
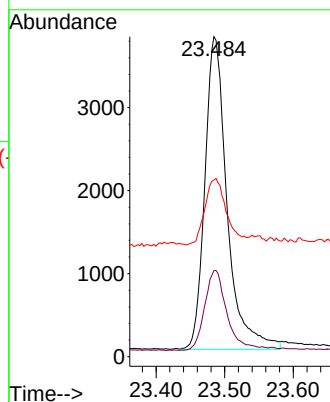
Tgt Ion:264 Resp: 8498

Ion Ratio Lower Upper

264 100

260 26.9 21.8 32.8

265 55.2 50.6 75.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.075 ng

RT: 25.730 min Scan# 3709

Delta R.T. -0.009 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

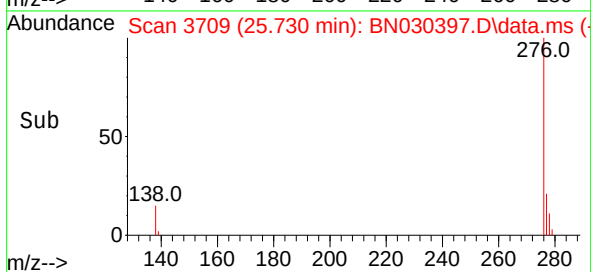
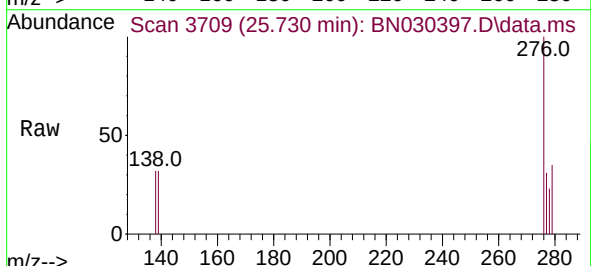
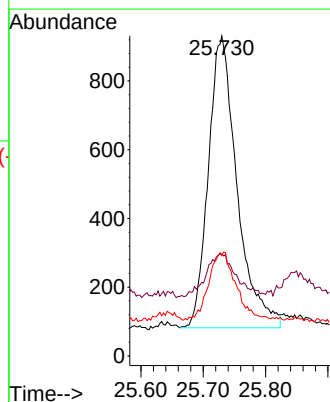
Tgt Ion:276 Resp: 2714

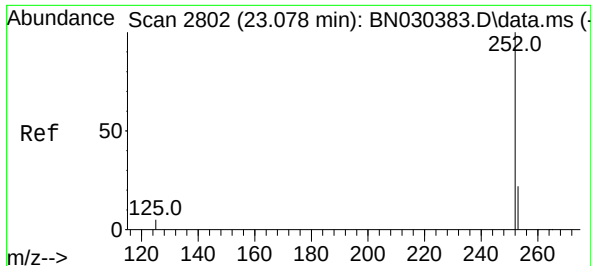
Ion Ratio Lower Upper

276 100

138 14.4 5.1 7.7#

277 22.2 18.4 27.6





#37

Benzo(b)fluoranthene

Concen: 0.184 ng

RT: 22.821 min Scan# 2714

Delta R.T. -0.000 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

Instrument :

BNA_N

ClientSampleId :

M6-CONCRETE

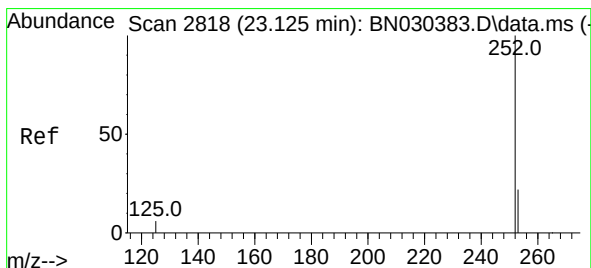
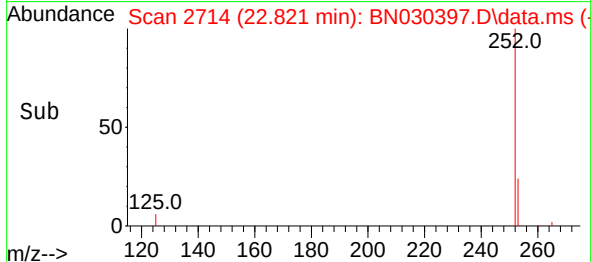
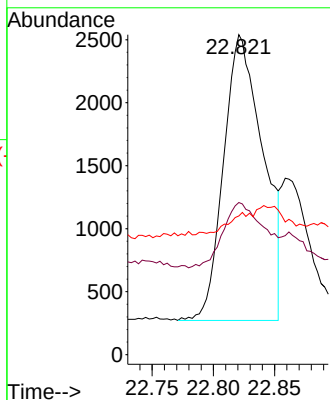
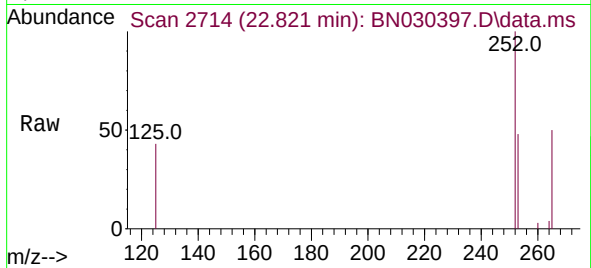
Tgt Ion:252 Resp: 5102

Ion Ratio Lower Upper

252 100

253 47.6 26.7 40.1#

125 43.3 6.8 10.2#



#38

Benzo(k)fluoranthene

Concen: 0.049 ng

RT: 22.821 min Scan# 2714

Delta R.T. -0.044 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

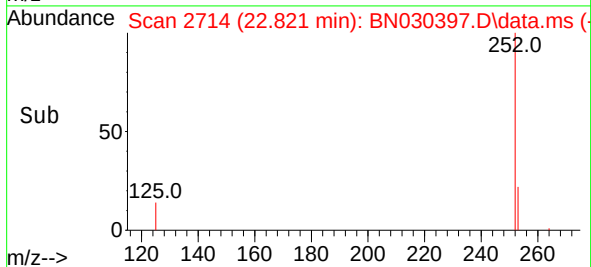
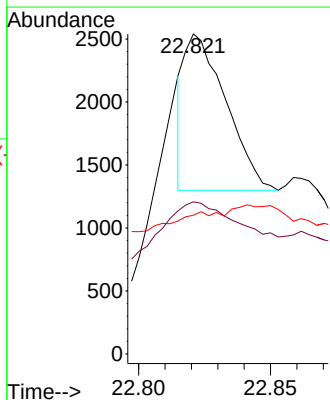
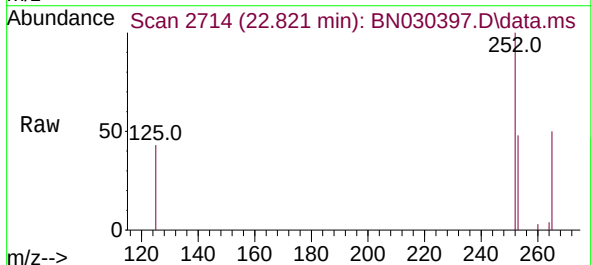
Tgt Ion:252 Resp: 1361

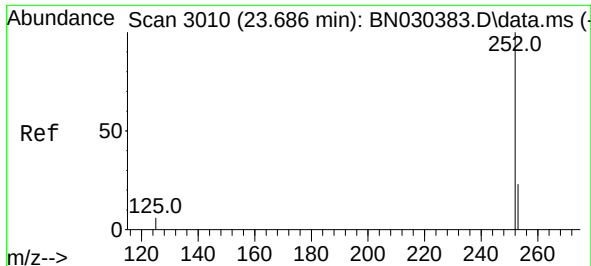
Ion Ratio Lower Upper

252 100

253 47.6 26.6 39.8#

125 43.3 7.2 10.8#





#39

Benzo(a)pyrene

Concen: 0.090 ng

RT: 23.394 min Scan# 20

Delta R.T. -0.003 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

Instrument :

BNA_N

ClientSampleId :

M6-CONCRETE

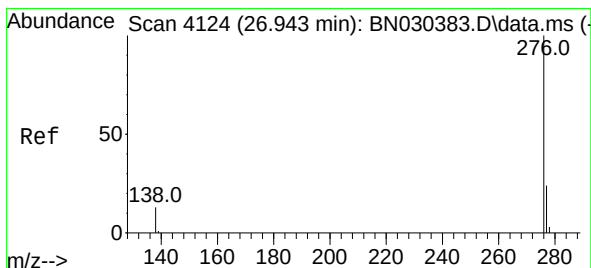
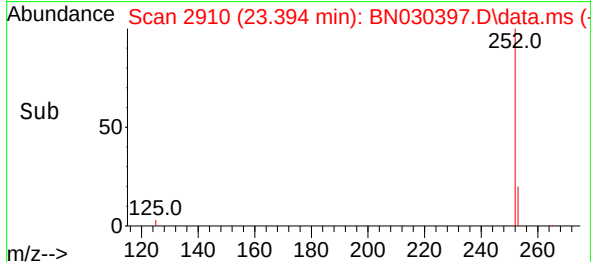
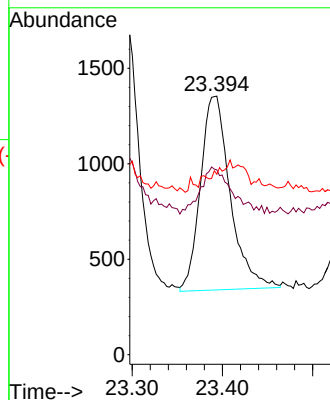
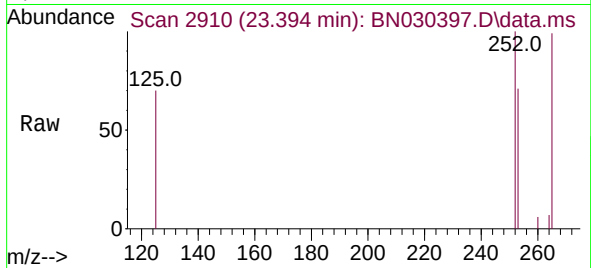
Tgt Ion:252 Resp: 2326

Ion Ratio Lower Upper

252 100

253 71.5 31.5 47.3#

125 69.8 8.6 12.8#



#41

Benzo(g,h,i)perylene

Concen: 0.094 ng

RT: 26.414 min Scan# 3943

Delta R.T. -0.000 min

Lab File: BN030397.D

Acq: 14 Mar 2024 14:46

Tgt Ion:276 Resp: 3189

Ion Ratio Lower Upper

276 100

277 30.5 20.9 31.3

138 32.1 13.0 19.4#

