

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
 Data File : BN031461.D
 Acq On : 10 May 2024 13:09
 Operator : MA/JU
 Sample : P2252-11DL 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: May 10 13:36:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 02:12:24 2024
 Response via : Initial Calibration

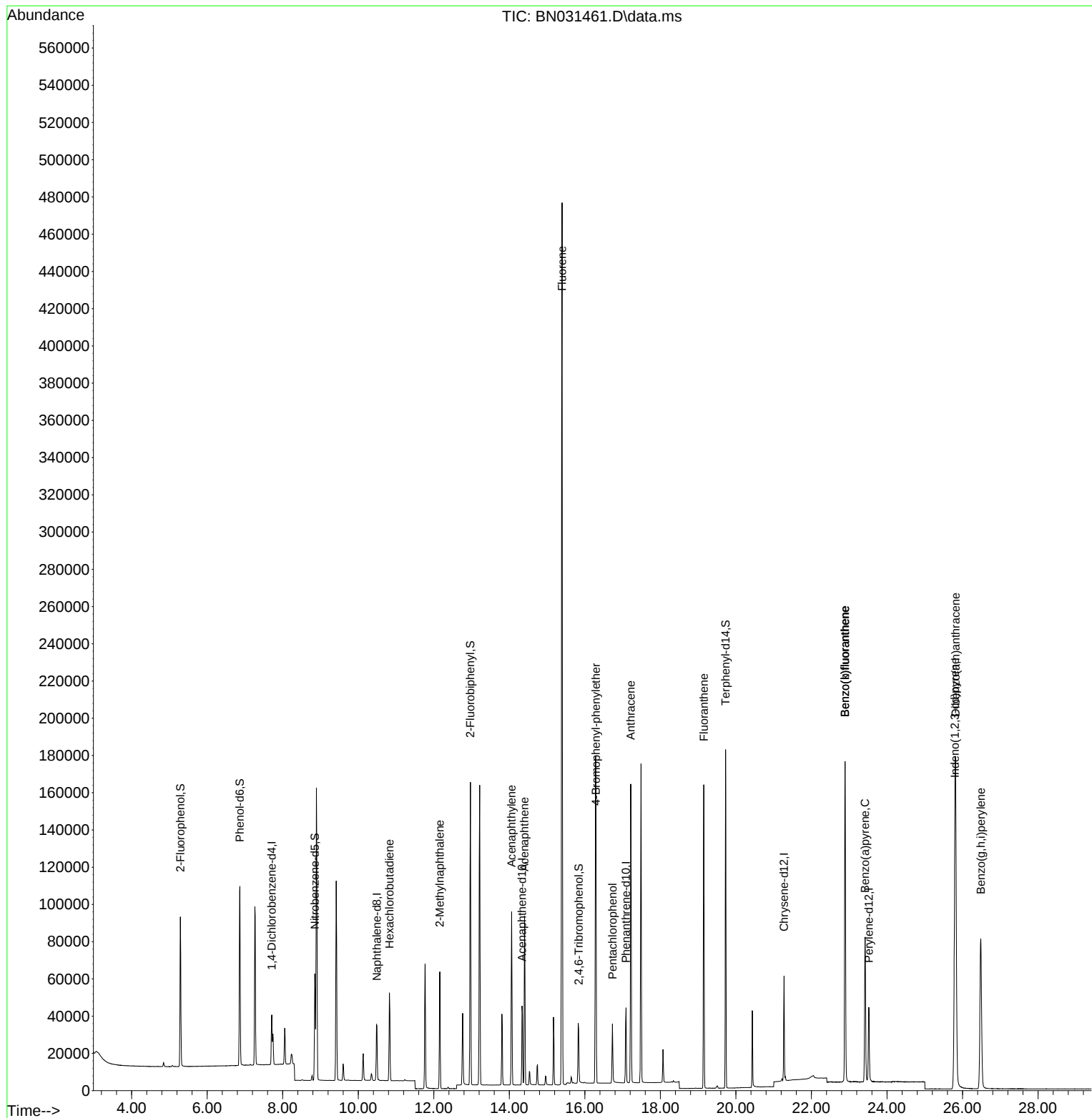
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	13168	0.400	ng	0.00
7) Naphthalene-d8	10.496	136	42906	0.400	ng	# 0.00
13) Acenaphthene-d10	14.338	164	25434	0.400	ng	-0.01
19) Phenanthrene-d10	17.091	188	56120	0.400	ng	# 0.00
29) Chrysene-d12	21.274	240	48760	0.400	ng	0.00
35) Perylene-d12	23.519	264	52346	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.292	112	66706	1.784	ng	0.00
5) Phenol-d6	6.866	99	95622	1.897	ng	0.00
8) Nitrobenzene-d5	8.851	82	45182	1.467	ng	-0.01
11) 2-Methylnaphthalene-d10	12.081	152	14	0.000	ng	-0.01
14) 2,4,6-Tribromophenol	15.837	330	20200	2.093	ng	0.00
15) 2-Fluorobiphenyl	12.970	172	139402	1.422	ng	-0.01
27) Fluoranthene-d10	19.123	212	53	0.000	ng	0.00
31) Terphenyl-d14	19.727	244	174217	1.460	ng	0.00
Target Compounds						
10) Hexachlorobutadiene	10.827	225	38569	1.844	ng	# 100
12) 2-Methylnaphthalene	12.160	142	44138	0.543	ng	98
16) Acenaphthylene	14.060	152	98648	0.771	ng	100
17) Acenaphthene	14.402	154	45077	0.565	ng	98
18) Fluorene	15.397	166	304561	2.917	ng	99
21) 4-Bromophenyl-phenylether	16.296	248	72208	2.197	ng	# 85
24) Pentachlorophenol	16.731	266	14385	1.228	ng	98
26) Anthracene	17.215	178	166795	1.073	ng	100
28) Fluoranthene	19.151	202	147141	0.771	ng	100
36) Indeno(1,2,3-cd)pyrene	25.797	276	167146	0.801	ng	95
37) Benzo(b)fluoranthene	22.890	252	225306	1.199	ng	97
38) Benzo(k)fluoranthene	22.890	252	225853	1.270	ng	97
39) Benzo(a)pyrene	23.420	252	111027	0.680	ng	98
40) Dibenzo(a,h)anthracene	25.814	278	246317	1.490	ng	97
41) Benzo(g,h,i)perylene	26.484	276	165659	0.931	ng	97

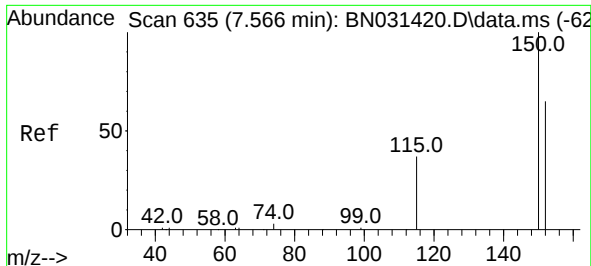
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
Data File : BN031461.D
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Operator : MA/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

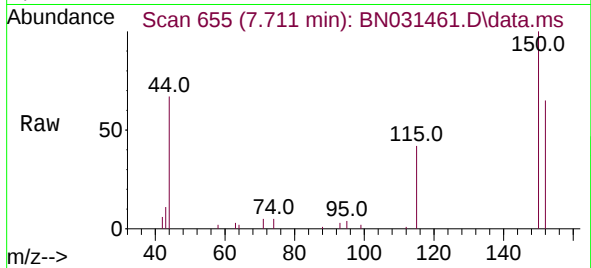
Quant Time: May 10 13:36:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration



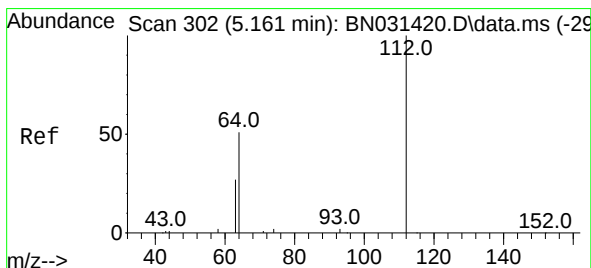
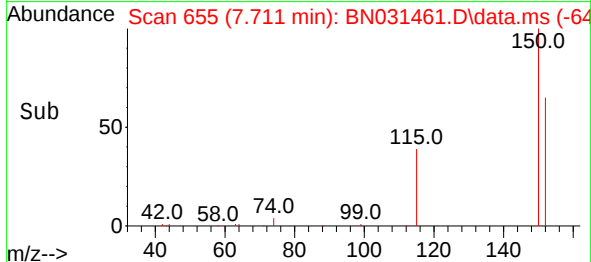
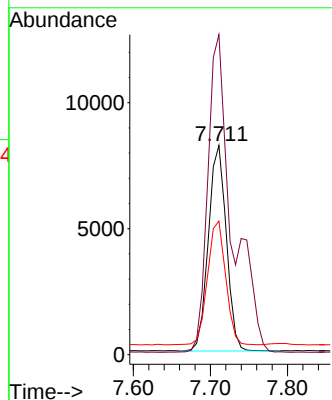


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.711 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

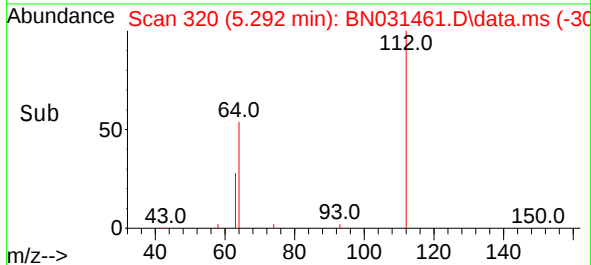
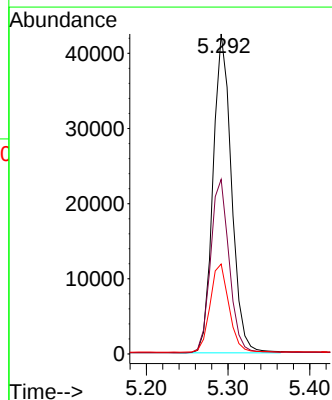
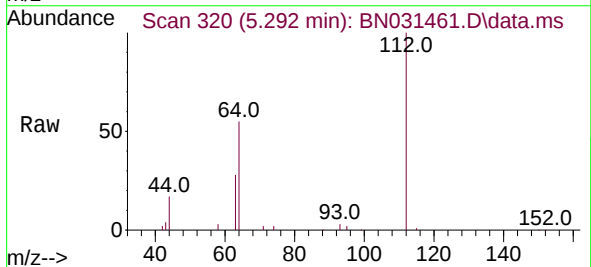


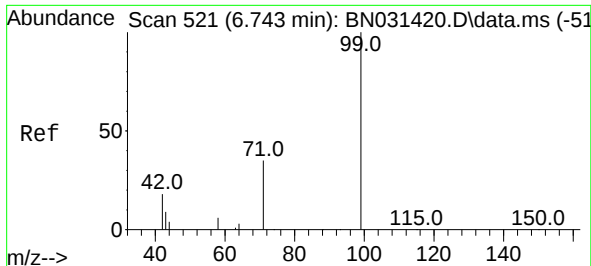
Tgt Ion:152 Resp: 13168
Ion Ratio Lower Upper
152 100
150 153.0 119.3 178.9
115 63.8 54.8 82.2



#4
2-Fluorophenol
Concen: 1.784 ng
RT: 5.292 min Scan# 320
Delta R.T. -0.007 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion:112 Resp: 66706
Ion Ratio Lower Upper
112 100
64 54.9 44.0 66.0
63 28.1 22.2 33.4

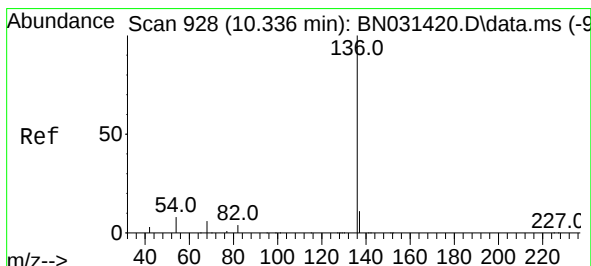
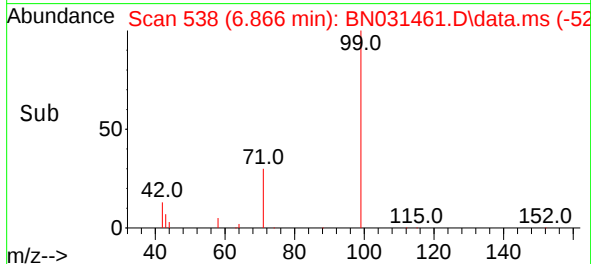
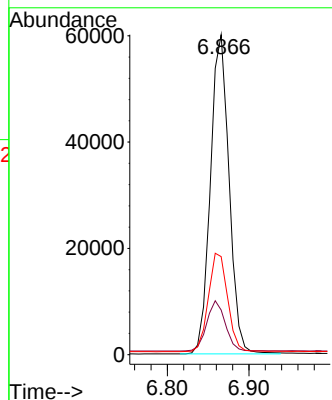
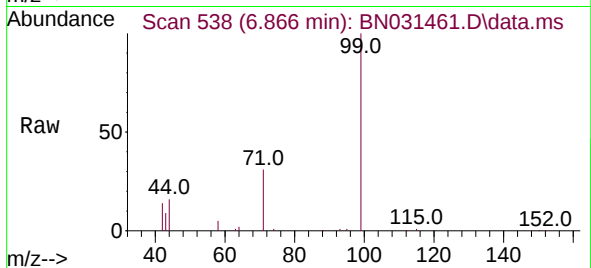




#5
Phenol-d6
Concen: 1.897 ng
RT: 6.866 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

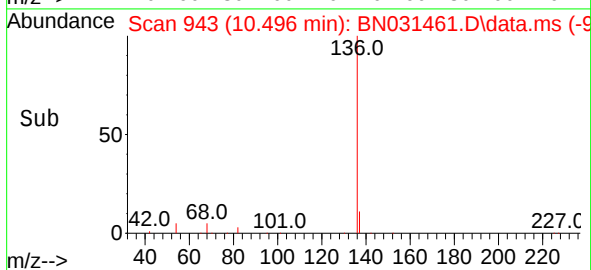
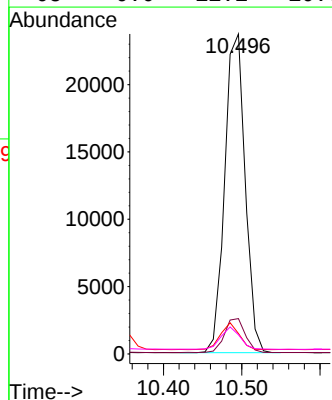
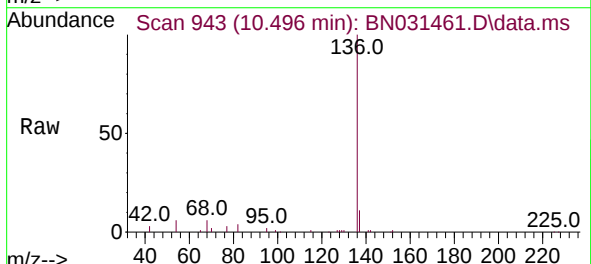
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

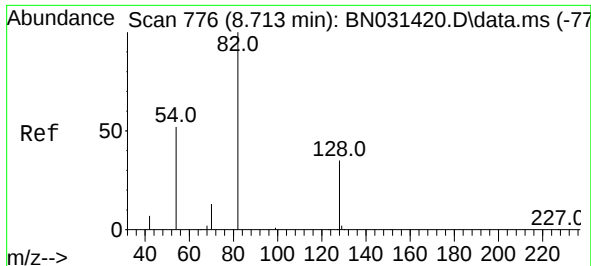
Tgt Ion: 99 Resp: 95622
Ion Ratio Lower Upper
99 100
42 15.7 13.5 20.3
71 31.9 26.1 39.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion: 136 Resp: 42906
Ion Ratio Lower Upper
136 100
137 11.1 10.1 15.1
54 6.4 10.5 15.7#
68 6.0 11.1 16.7#

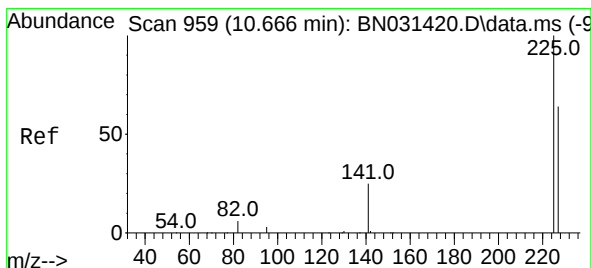
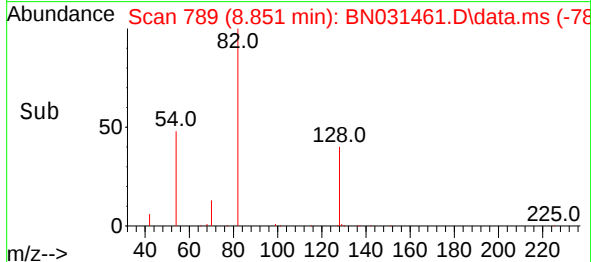
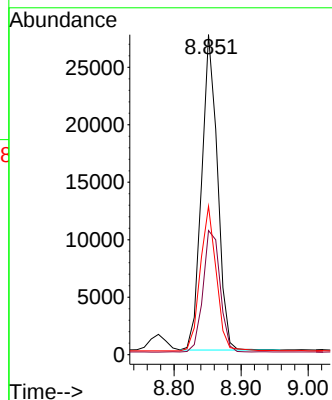
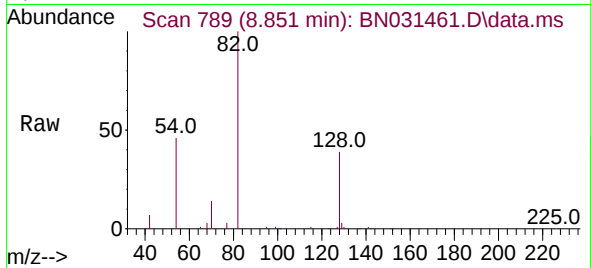




#8
Nitrobenzene-d5
Concen: 1.467 ng
RT: 8.851 min Scan# 711
Delta R.T. -0.011 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

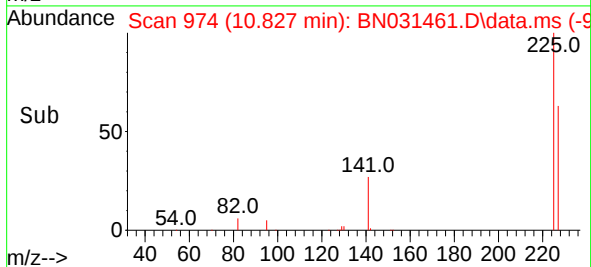
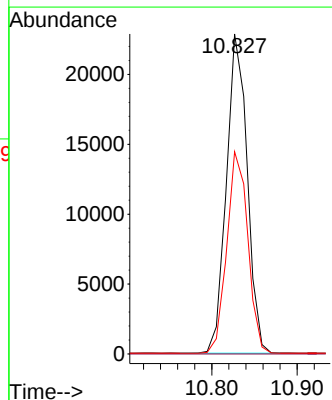
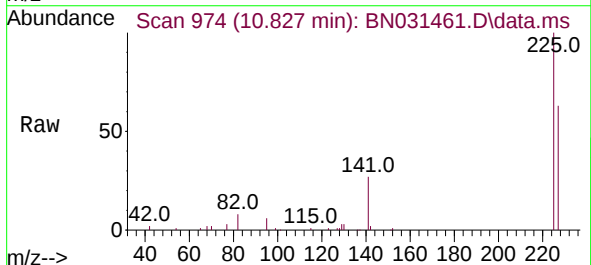
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

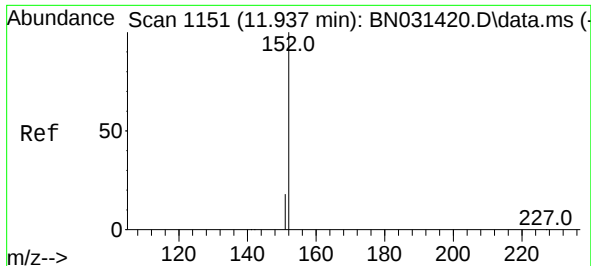
Tgt Ion: 82 Resp: 45182
Ion Ratio Lower Upper
82 100
128 38.8 29.0 43.6
54 46.4 37.2 55.8



#10
Hexachlorobutadiene
Concen: 1.844 ng
RT: 10.827 min Scan# 974
Delta R.T. -0.011 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion: 225 Resp: 38569
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.7 76.1





#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

RT: 12.081 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

Instrument :

BNA_N

ClientSampleId :

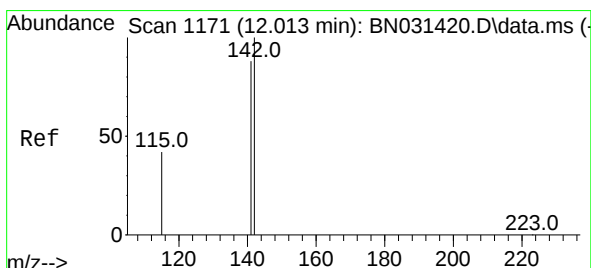
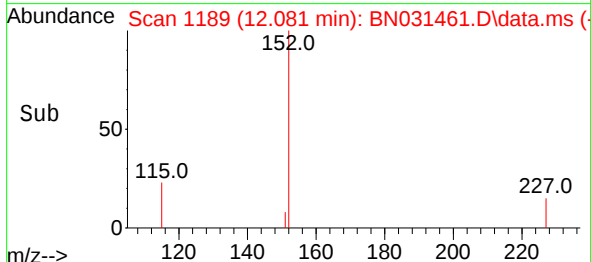
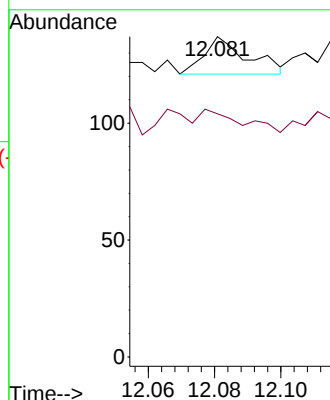
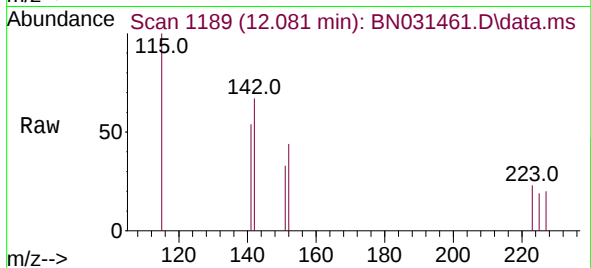
PT-BNA-SOILD

Tgt Ion:152 Resp: 14

Ion Ratio Lower Upper

152 100

151 64.3 16.6 25.0#



#12

2-Methylnaphthalene

Concen: 0.543 ng

RT: 12.160 min Scan# 1210

Delta R.T. -0.008 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

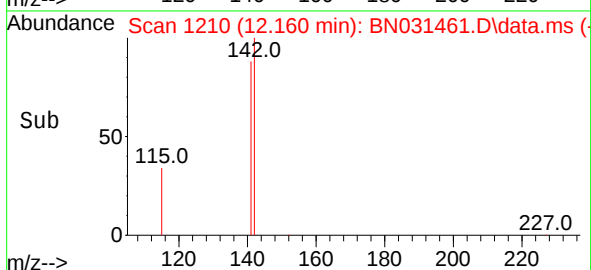
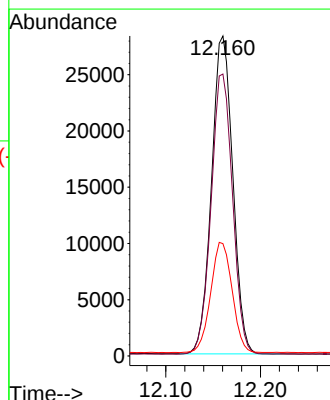
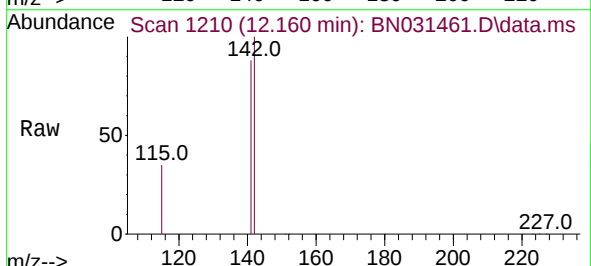
Tgt Ion:142 Resp: 44138

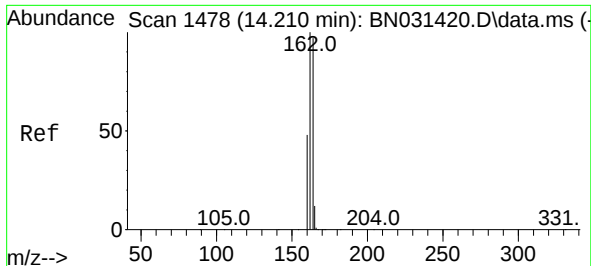
Ion Ratio Lower Upper

142 100

141 88.1 71.0 106.6

115 35.1 30.2 45.2

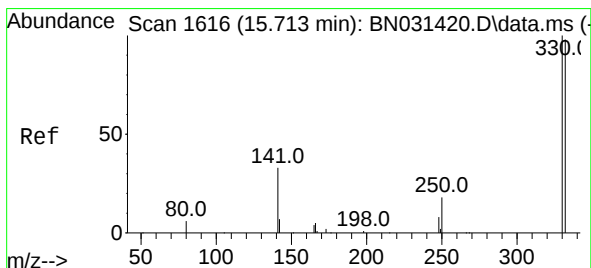
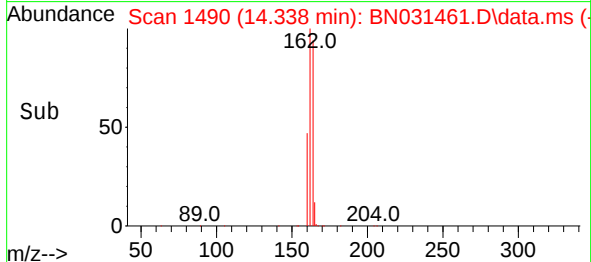
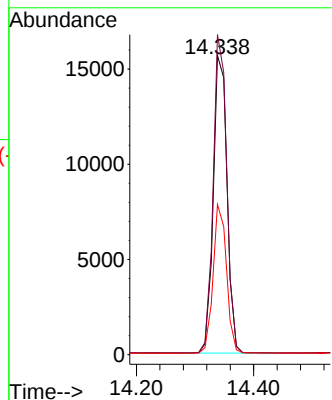
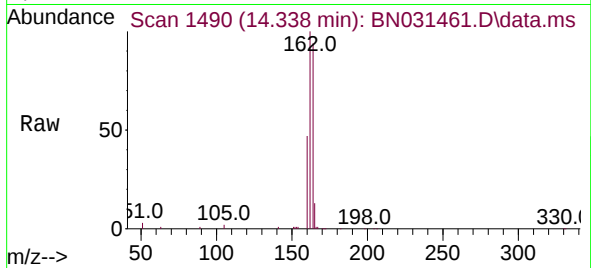




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.338 min Scan# 1478
Delta R.T. -0.011 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

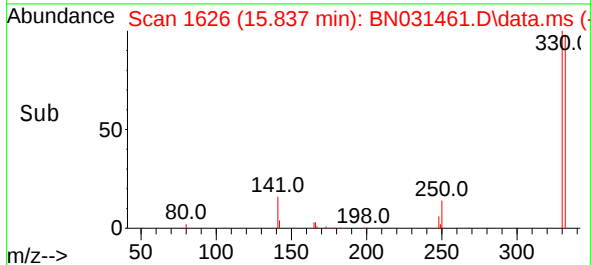
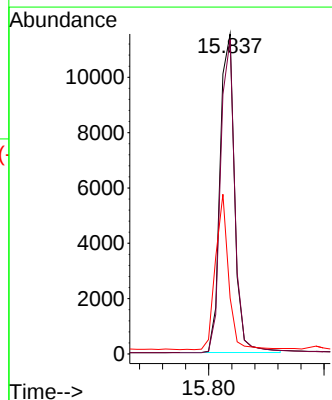
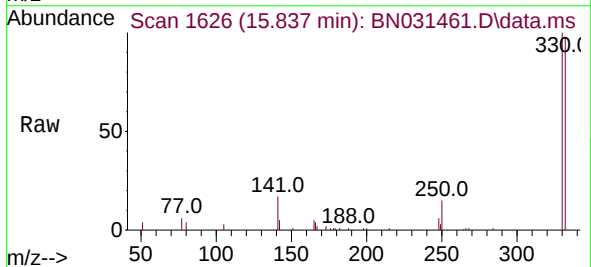
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

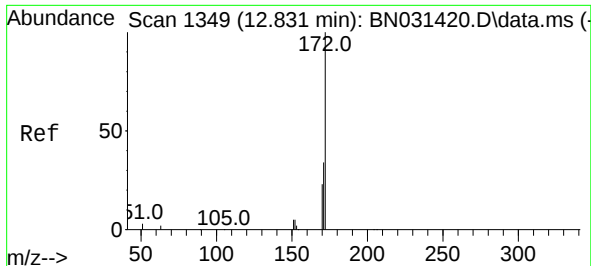
Tgt Ion:164 Resp: 25434
Ion Ratio Lower Upper
164 100
162 106.9 81.2 121.8
160 50.2 37.0 55.6



#14
2,4,6-Tribromophenol
Concen: 2.093 ng
RT: 15.837 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion:330 Resp: 20200
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 43.9 37.0 55.4





#15

2-Fluorobiphenyl

Concen: 1.422 ng

RT: 12.970 min Scan# 1362

Delta R.T. -0.011 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

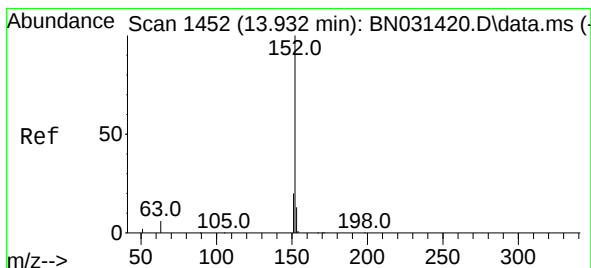
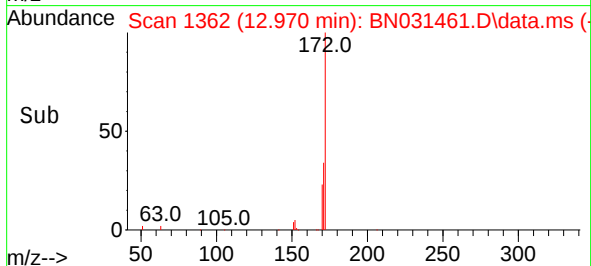
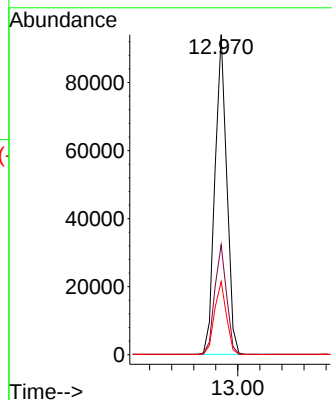
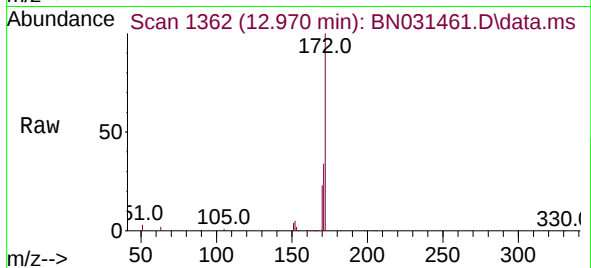
Tgt Ion:172 Resp: 139402

Ion Ratio Lower Upper

172 100

171 34.3 27.8 41.8

170 22.9 18.3 27.5



#16

Acenaphthylene

Concen: 0.771 ng

RT: 14.060 min Scan# 1464

Delta R.T. -0.011 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

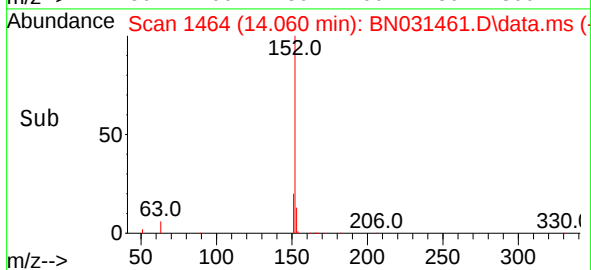
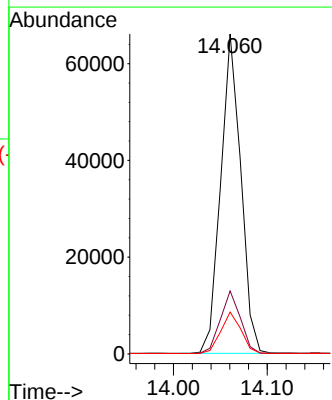
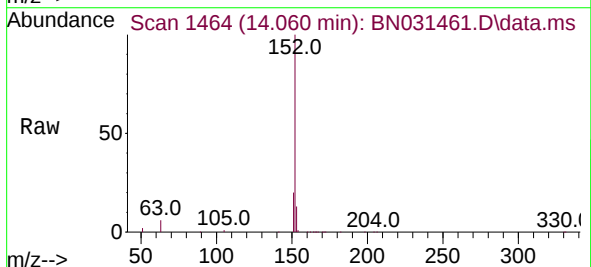
Tgt Ion:152 Resp: 98648

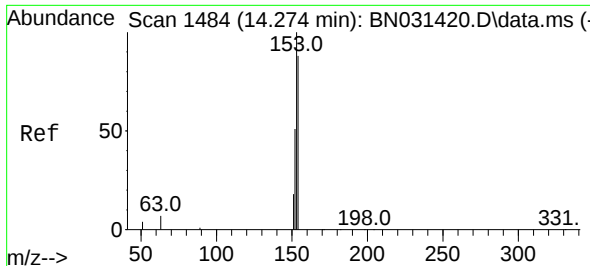
Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

153 13.0 10.5 15.7

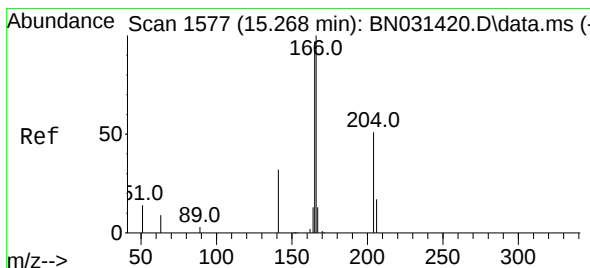
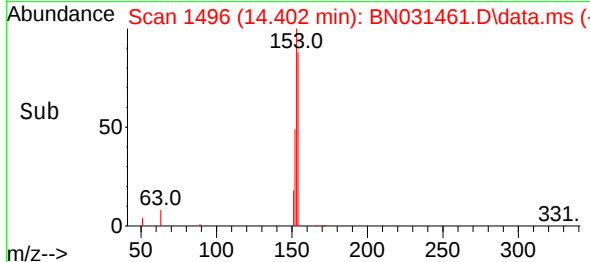
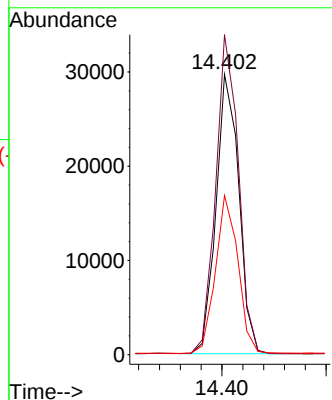
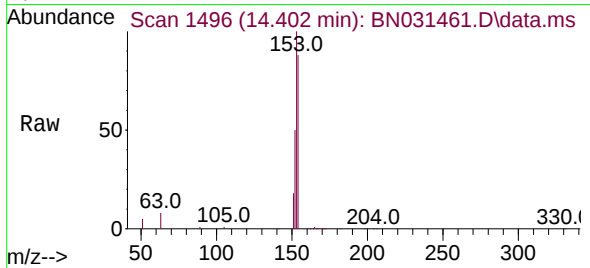




#17
Acenaphthene
Concen: 0.565 ng
RT: 14.402 min Scan# 1484
Delta R.T. -0.011 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

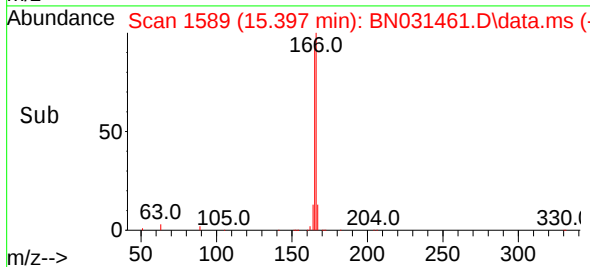
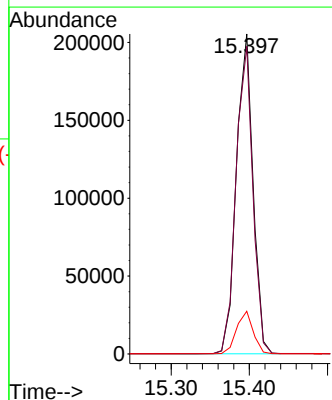
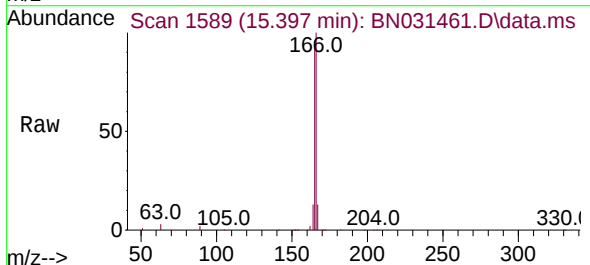
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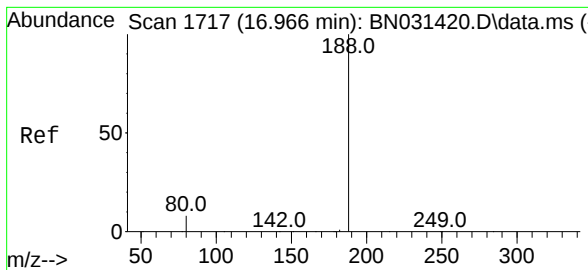
Tgt Ion:154 Resp: 45077
Ion Ratio Lower Upper
154 100
153 113.3 89.1 133.7
152 55.6 42.6 64.0



#18
Fluorene
Concen: 2.917 ng
RT: 15.397 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion:166 Resp: 304561
Ion Ratio Lower Upper
166 100
165 97.1 78.2 117.2
167 13.3 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.091 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

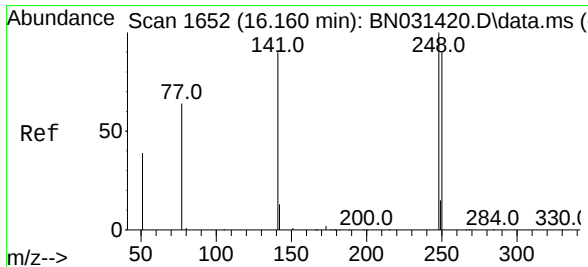
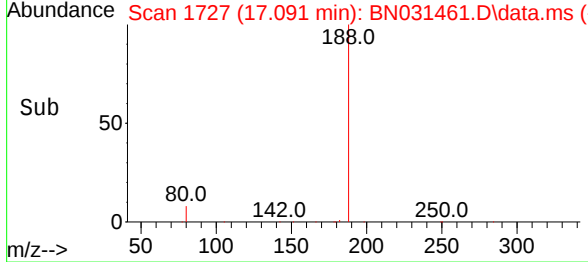
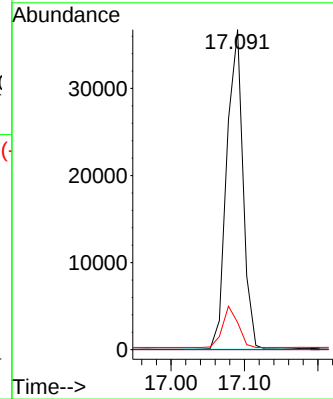
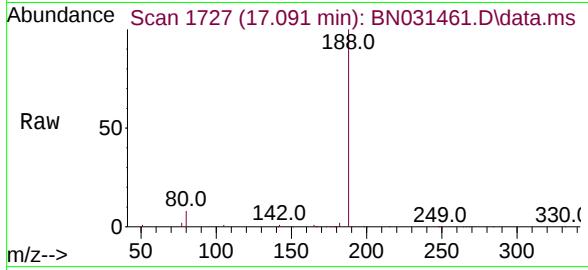
Tgt Ion:188 Resp: 56120

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.5 9.6 14.4#



#21

4-Bromophenyl-phenylether

Concen: 2.197 ng

RT: 16.296 min Scan# 1663

Delta R.T. -0.000 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

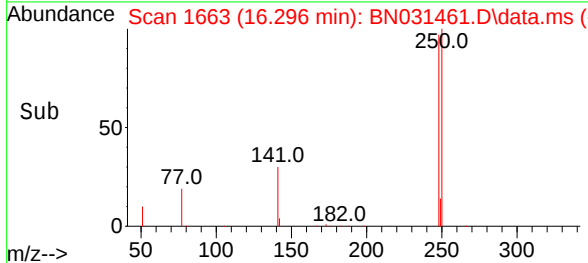
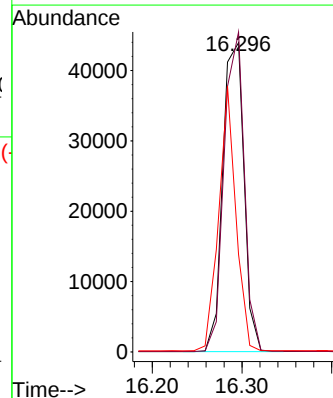
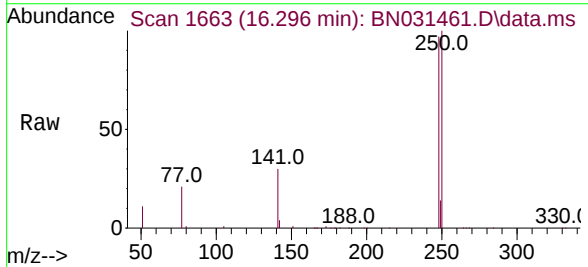
Tgt Ion:248 Resp: 72208

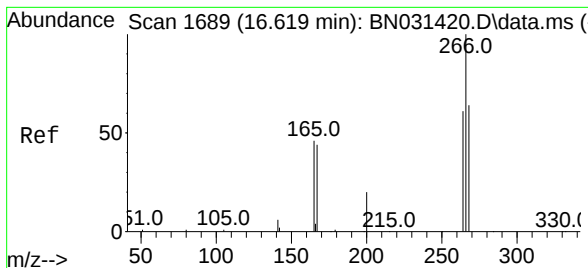
Ion Ratio Lower Upper

248 100

250 103.5 77.9 116.9

141 31.5 43.4 65.2#





#24

Pentachlorophenol

Concen: 1.228 ng

RT: 16.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD

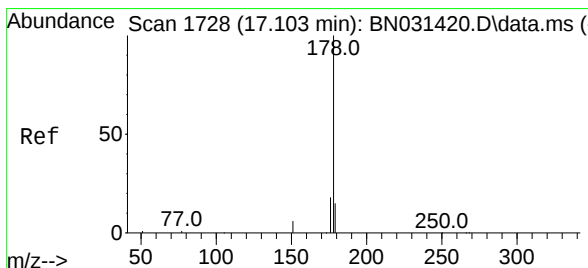
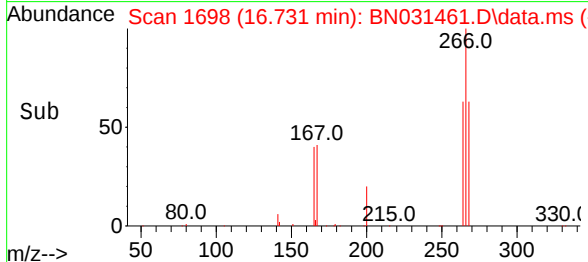
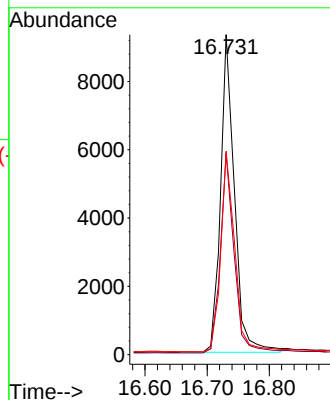
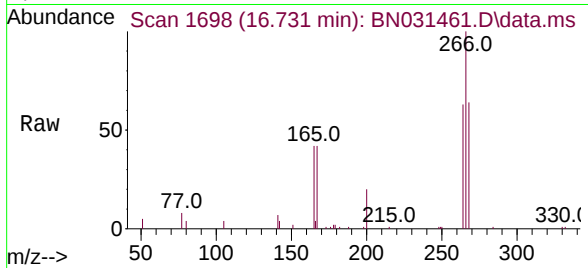
Tgt Ion:266 Resp: 14385

Ion Ratio Lower Upper

266 100

264 62.6 50.6 75.8

268 63.7 49.0 73.4



#26

Anthracene

Concen: 1.073 ng

RT: 17.215 min Scan# 1737

Delta R.T. -0.013 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

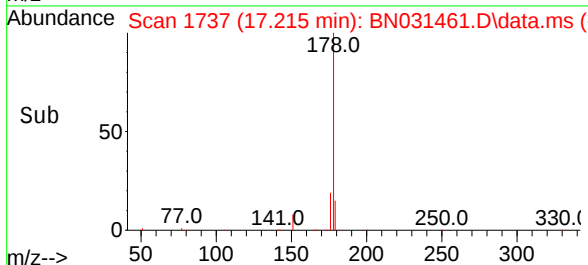
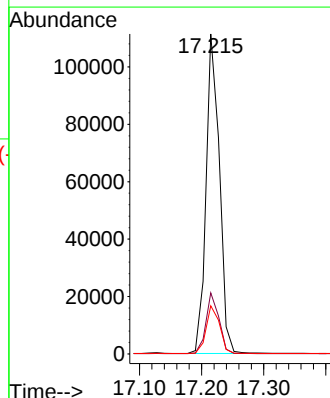
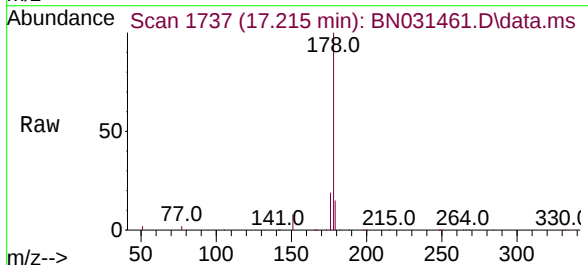
Tgt Ion:178 Resp: 166795

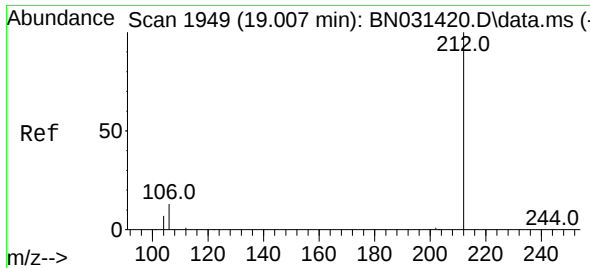
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.2 12.4 18.6

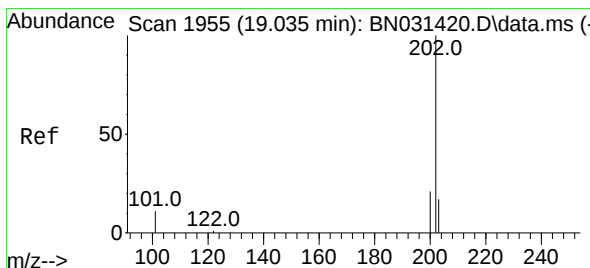
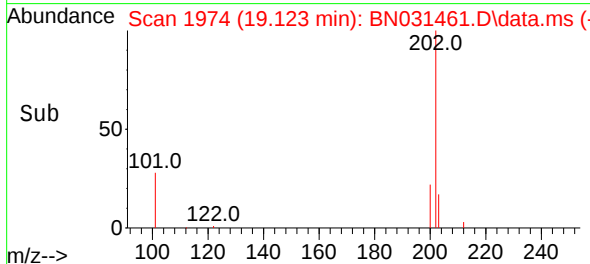
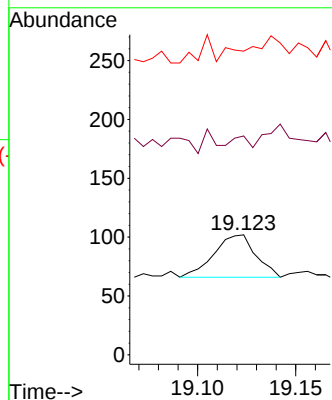
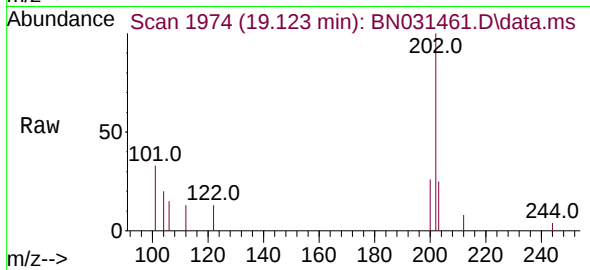




#27
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.123 min Scan# 1974
Delta R.T. 0.004 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

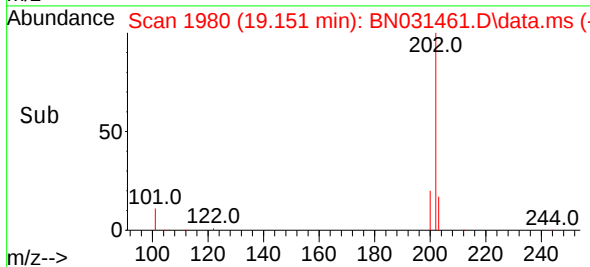
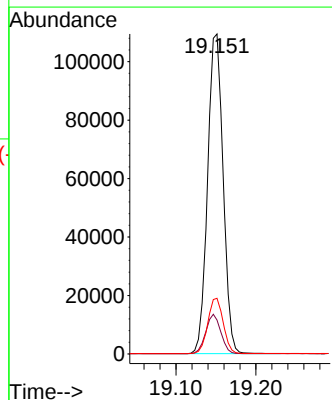
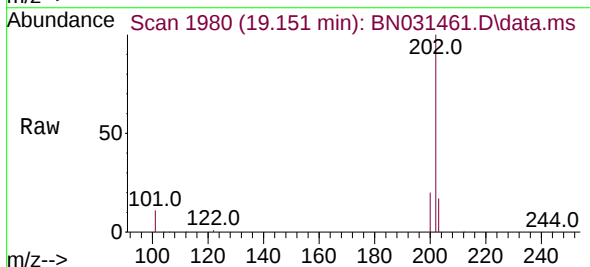
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

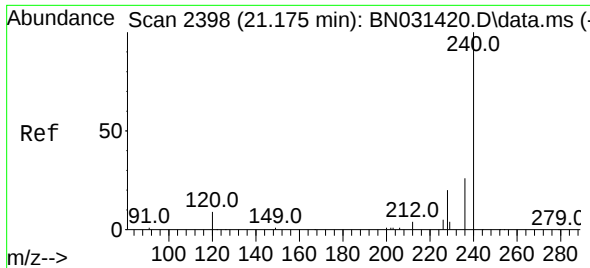
Tgt Ion:212 Resp: 53
Ion Ratio Lower Upper
212 100
106 9.4 12.0 18.0#
104 0.0 6.9 10.3#



#28
Fluoranthene
Concen: 0.771 ng
RT: 19.151 min Scan# 1980
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion:202 Resp: 147141
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 17.2 13.8 20.8

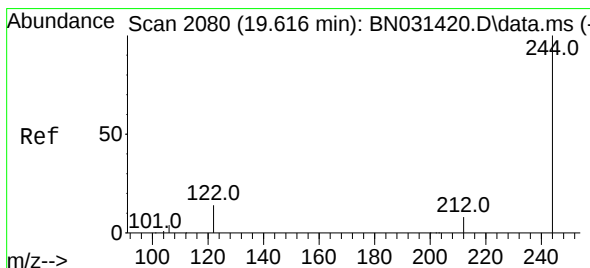
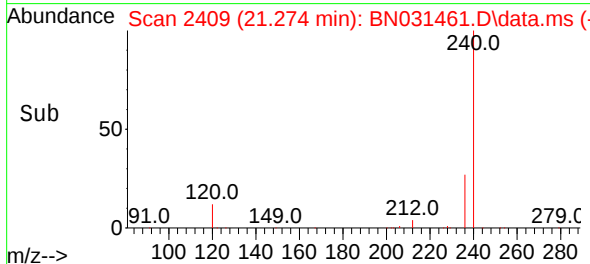
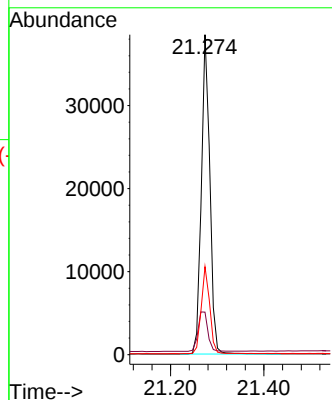
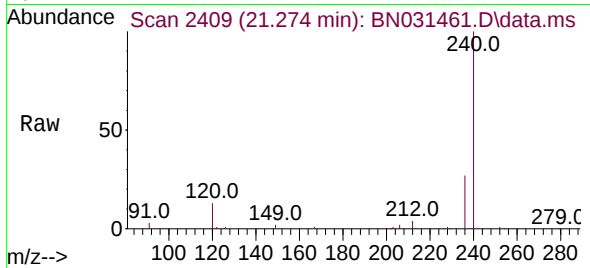




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.274 min Scan# 2104
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

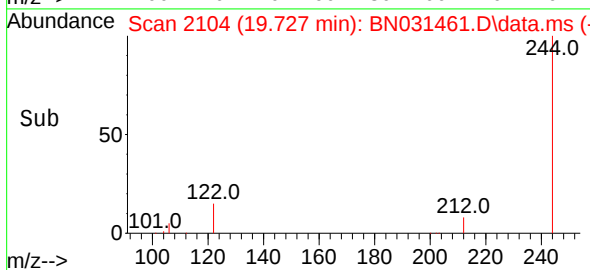
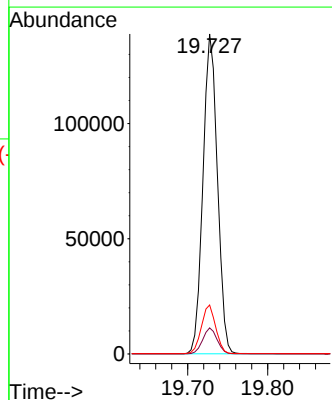
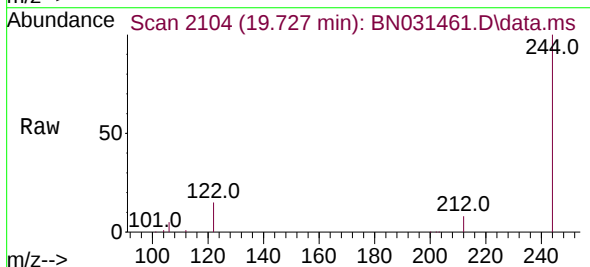
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

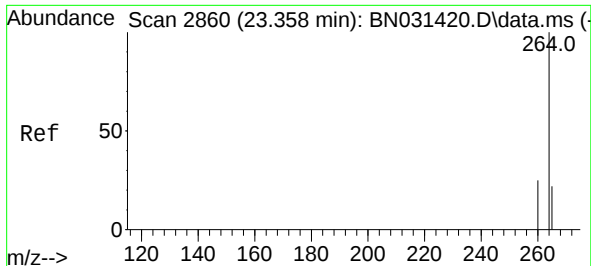
Tgt Ion:240 Resp: 48760
Ion Ratio Lower Upper
240 100
120 13.3 11.4 17.2
236 27.5 22.2 33.4



#31
Terphenyl-d14
Concen: 1.460 ng
RT: 19.727 min Scan# 2104
Delta R.T. -0.005 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion:244 Resp: 174217
Ion Ratio Lower Upper
244 100
212 8.2 6.5 9.7
122 15.3 11.4 17.2





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.519 min Scan# 20

Delta R.T. -0.000 min

Lab File: BN031461.D

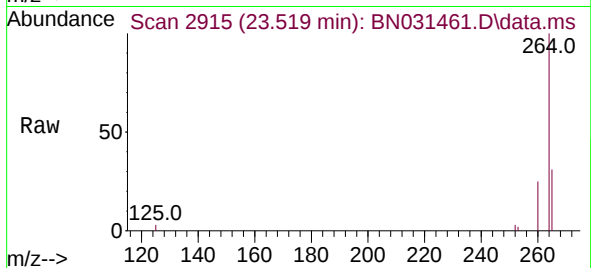
Acq: 10 May 2024 13:09

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD



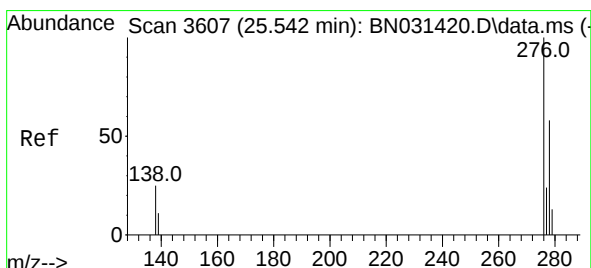
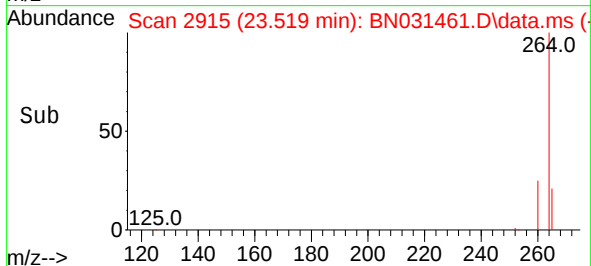
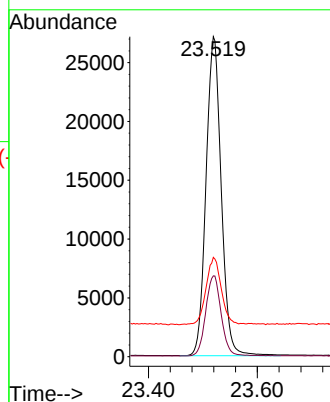
Tgt Ion:264 Resp: 52346

Ion Ratio Lower Upper

264 100

260 25.2 20.6 31.0

265 31.0 24.0 36.0



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.801 ng

RT: 25.797 min Scan# 3694

Delta R.T. 0.003 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

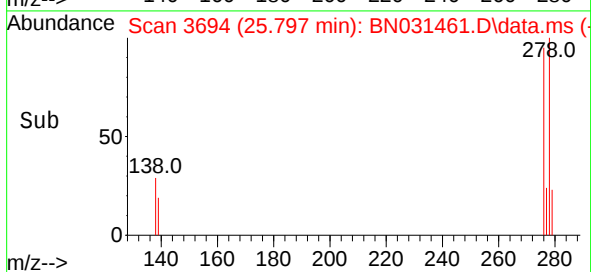
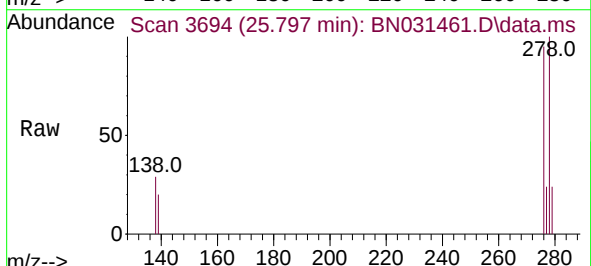
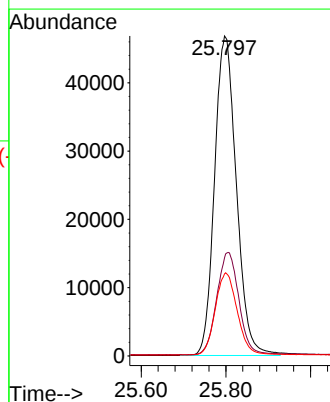
Tgt Ion:276 Resp: 167146

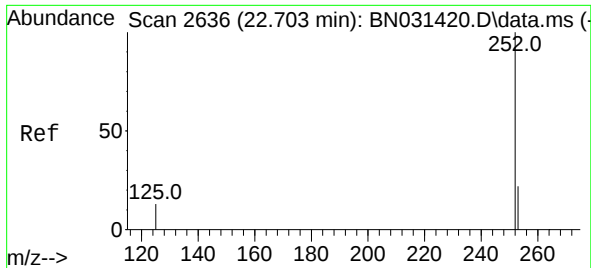
Ion Ratio Lower Upper

276 100

138 32.4 23.0 34.6

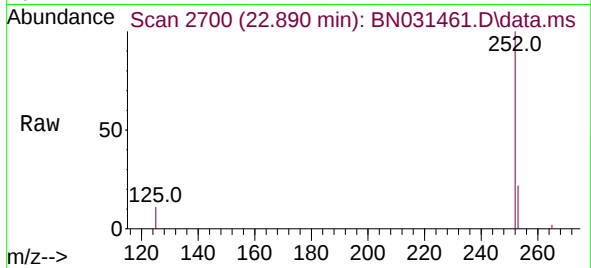
277 25.9 19.9 29.9



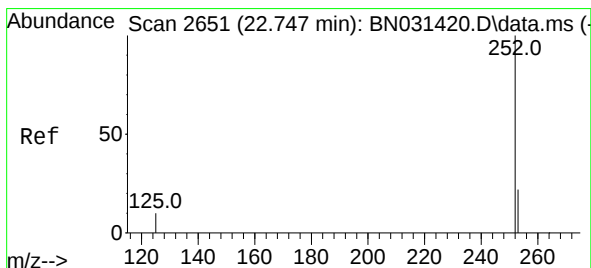
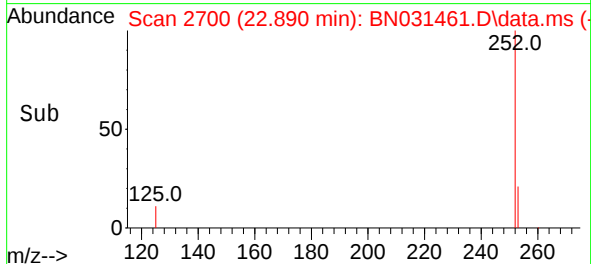
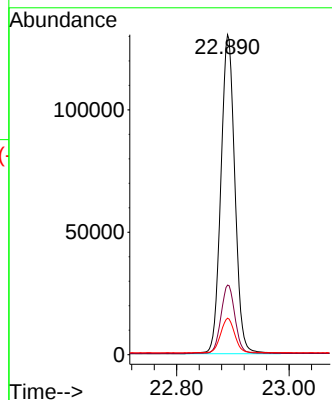


#37
Benzo(b)fluoranthene
Concen: 1.199 ng
RT: 22.890 min Scan# 21
Delta R.T. 0.044 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

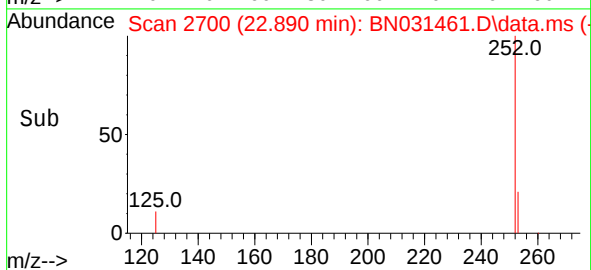
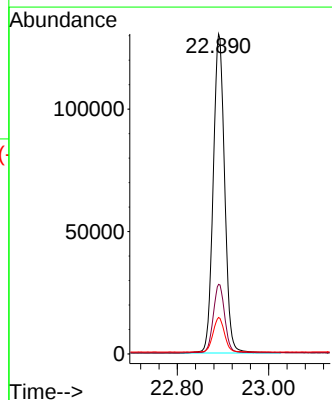
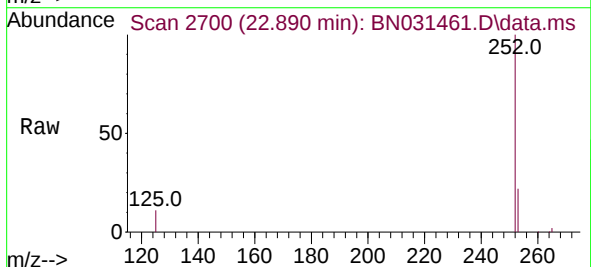


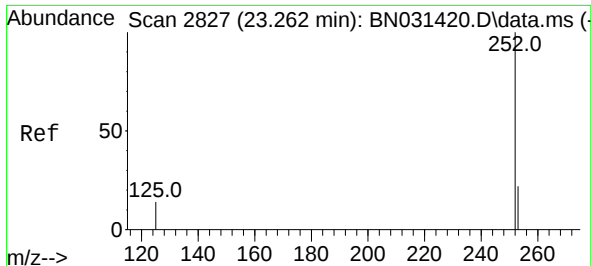
Tgt Ion:252 Resp: 225306
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.4
125 11.4 10.5 15.7



#38
Benzo(k)fluoranthene
Concen: 1.270 ng
RT: 22.890 min Scan# 2700
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Tgt Ion:252 Resp: 225853
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 11.4 11.0 16.6





#39

Benzo(a)pyrene

Concen: 0.680 ng

RT: 23.420 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN031461.D

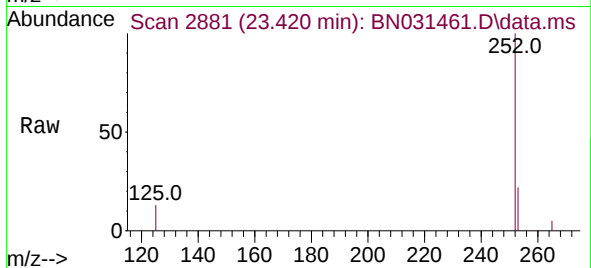
Acq: 10 May 2024 13:09

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL



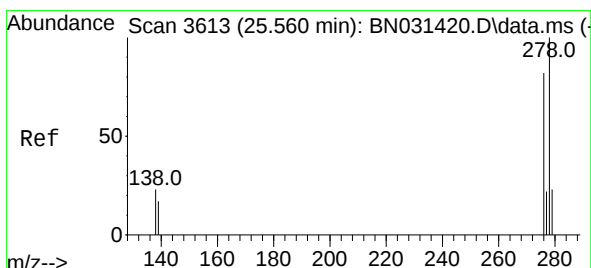
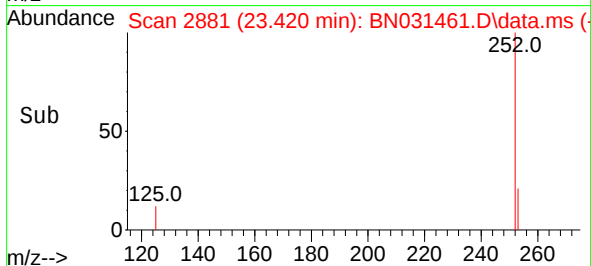
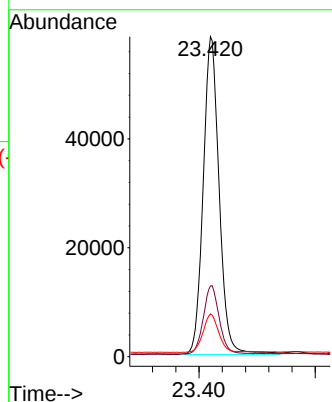
Tgt Ion:252 Resp: 111027

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 13.3 11.9 17.9



#40

Dibenzo(a,h)anthracene

Concen: 1.490 ng

RT: 25.814 min Scan# 3700

Delta R.T. -0.006 min

Lab File: BN031461.D

Acq: 10 May 2024 13:09

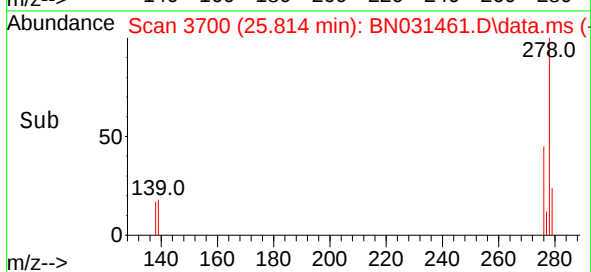
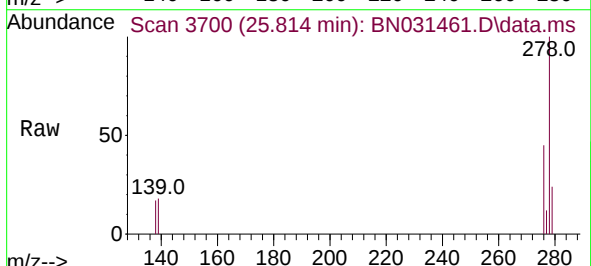
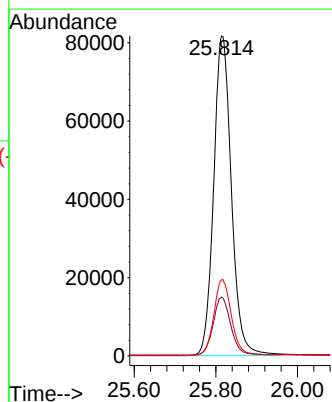
Tgt Ion:278 Resp: 246317

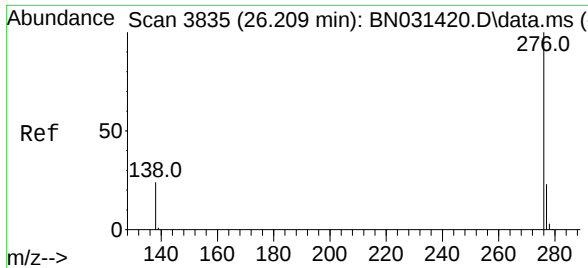
Ion Ratio Lower Upper

278 100

139 18.4 15.9 23.9

279 23.8 19.8 29.8





#41
Benzo(g,h,i)perylene
Concen: 0.931 ng
RT: 26.484 min Scan# 3929
Delta R.T. -0.000 min
Lab File: BN031461.D
Acq: 10 May 2024 13:09

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

Tgt Ion:276 Resp: 165659
Ion Ratio Lower Upper
276 100
277 23.3 19.4 29.0
138 23.6 20.4 30.6

