

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050224\
 Data File : BN031371.D
 Acq On : 02 May 2024 14:13
 Operator : MA/JU
 Sample : PB160640BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB160640BL

Quant Time: May 02 16:24:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 02 15:02:22 2024
 Response via : Initial Calibration

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

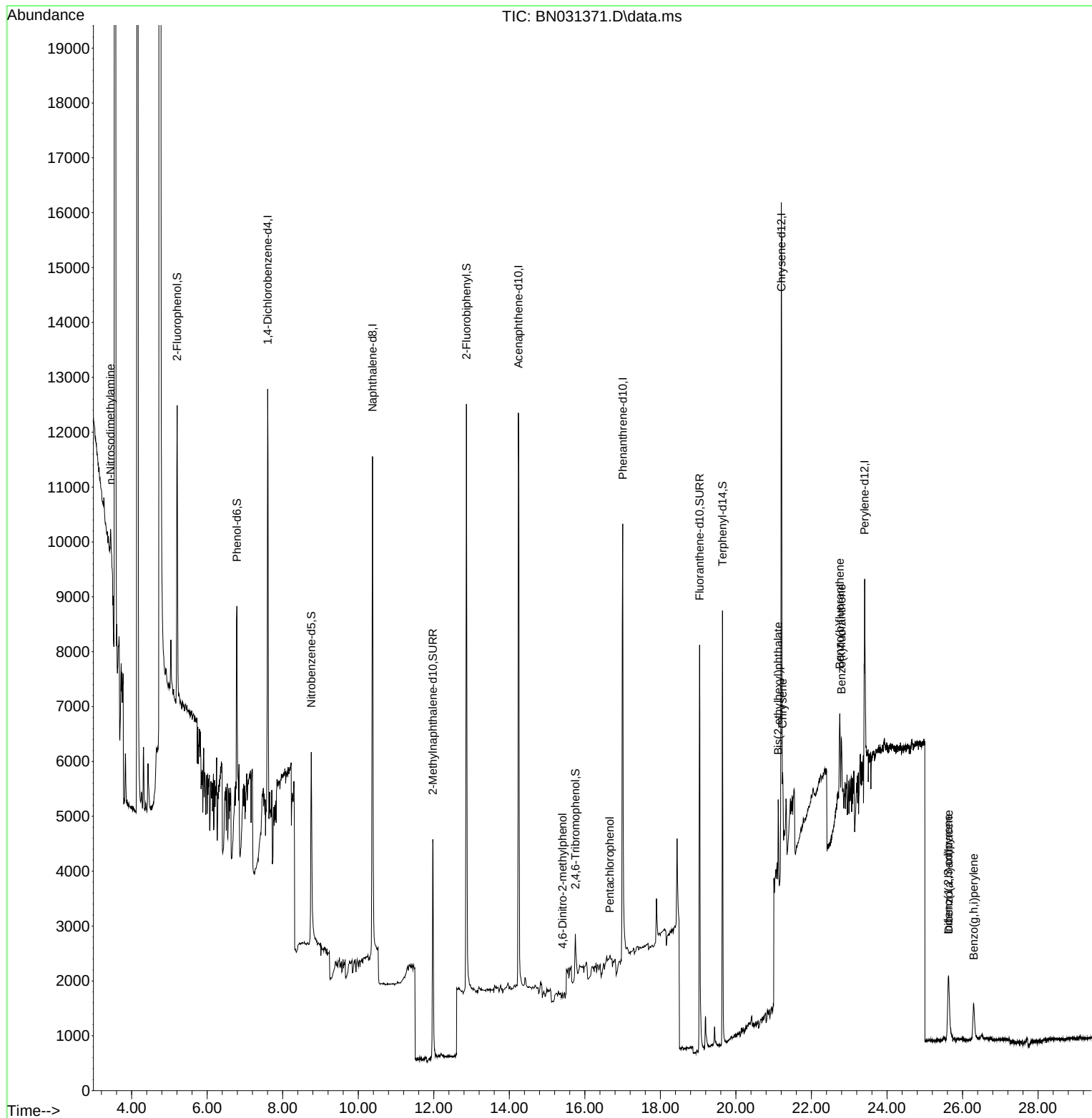
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.603	152	3939	0.400	ng	0.00
7) Naphthalene-d8	10.378	136	12777	0.400	ng	# 0.00
13) Acenaphthene-d10	14.242	164	6685	0.400	ng	0.00
19) Phenanthrene-d10	17.004	188	13350	0.400	ng	0.00
29) Chrysene-d12	21.202	240	11006	0.400	ng	# 0.00
35) Perylene-d12	23.408	264	4526	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.205	112	4319	0.492	ng	0.00
5) Phenol-d6	6.787	99	3960	0.373	ng	0.00
8) Nitrobenzene-d5	8.755	82	3442	0.389	ng	0.00
11) 2-Methylnaphthalene-d10	11.975	152	5957	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.750	330	695	0.268	ng	0.00
15) 2-Fluorobiphenyl	12.863	172	9765	0.435	ng	0.00
27) Fluoranthene-d10	19.040	212	9190	0.256	ng	0.00
31) Terphenyl-d14	19.644	244	8203	0.321	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.443	42	572	0.126	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.407	198	13	0.108	ng	# 1
24) Pentachlorophenol	16.656	266	47	0.140	ng	# 10
33) Chrysene	21.238	228	1027	0.025	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.121	149	1638	0.093	ng	96
36) Indeno(1,2,3-cd)pyrene	25.621	276	1707	0.081	ng	95
37) Benzo(b)fluoranthene	22.750	252	2095	0.112	ng	# 27
38) Benzo(k)fluoranthene	22.791	252	1824	0.100	ng	# 14
40) Dibenzo(a,h)anthracene	25.636	278	1336	0.079	ng	# 13
41) Benzo(g,h,i)perylene	26.297	276	1480	0.080	ng	# 58

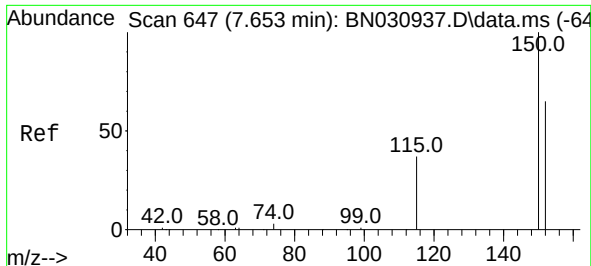
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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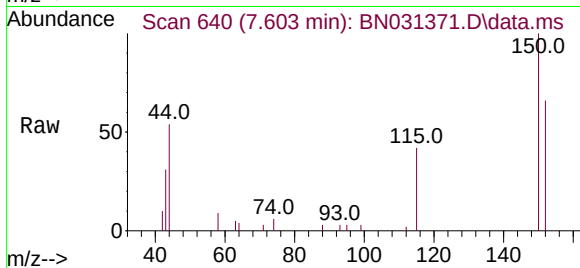
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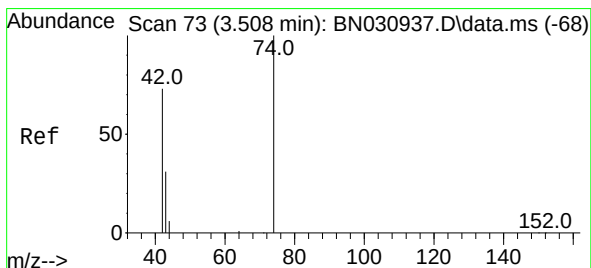
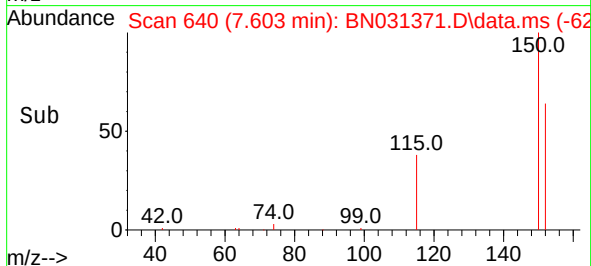
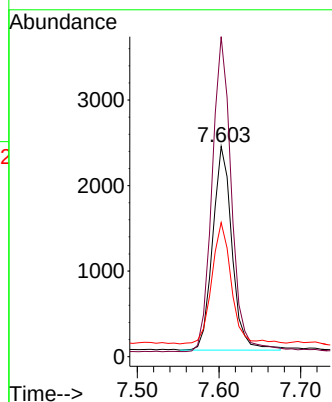


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.603 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

Instrument :
BNA_N
ClientSampleId :
PB160640BL

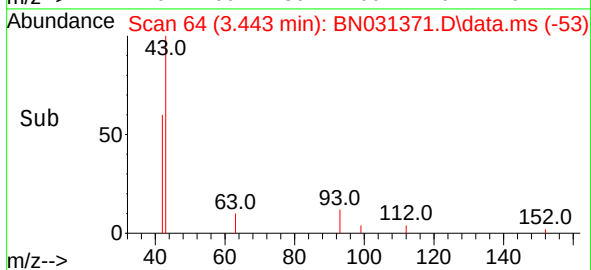
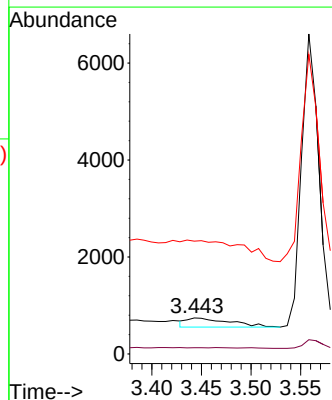
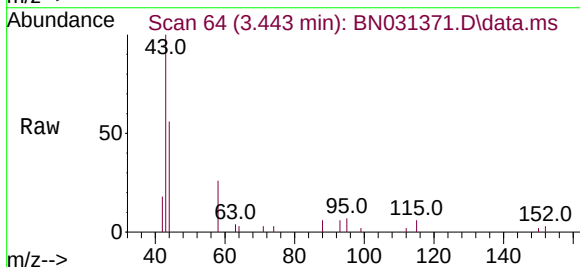


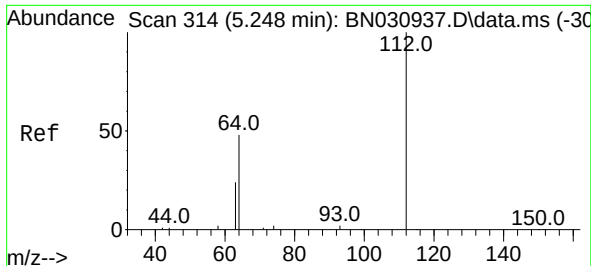
Tgt Ion:152 Resp: 3939
Ion Ratio Lower Upper
152 100
150 152.2 121.7 182.5
115 63.8 47.8 71.8



#3
n-Nitrosodimethylamine
Concen: 0.126 ng
RT: 3.443 min Scan# 64
Delta R.T. -0.022 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

Tgt Ion: 42 Resp: 572
Ion Ratio Lower Upper
42 100
74 1.7 103.1 154.7#
44 0.0 7.0 10.6#

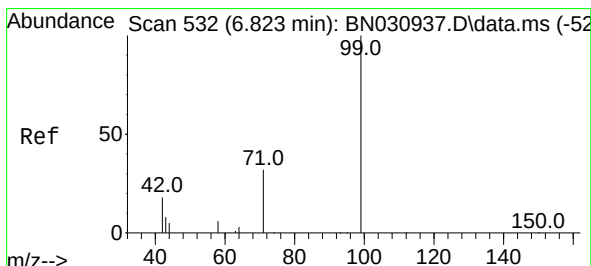
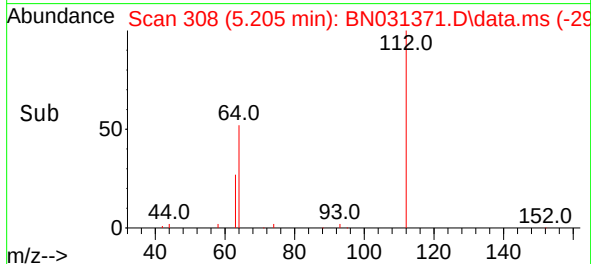
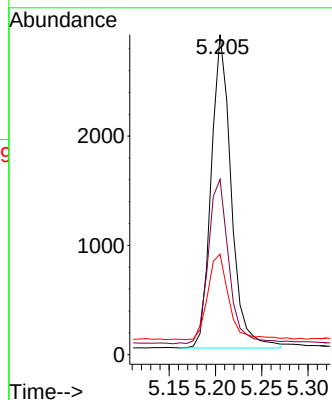
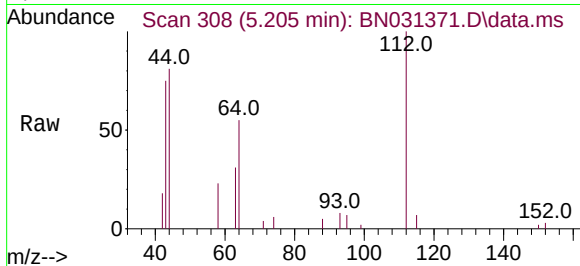




#4
2-Fluorophenol
Concen: 0.492 ng
RT: 5.205 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

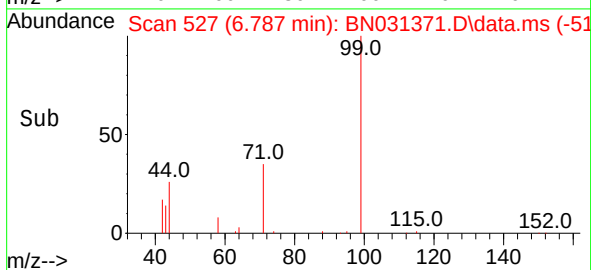
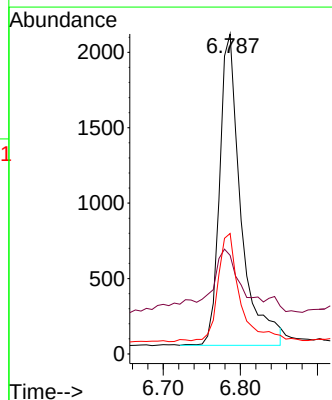
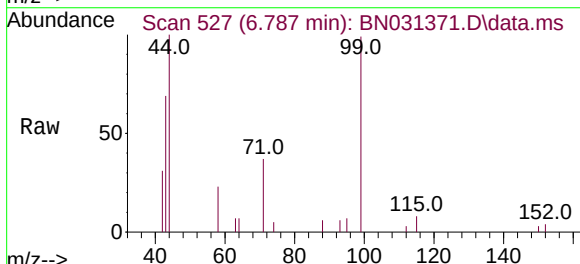
Instrument :
BNA_N
ClientSampleId :
PB160640BL

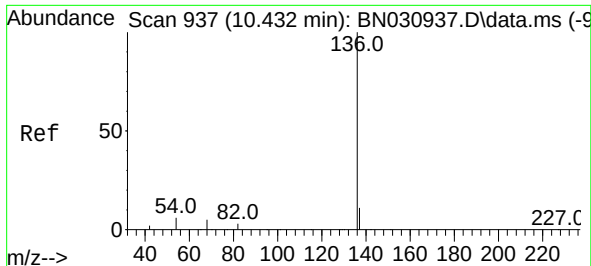
Tgt Ion:112 Resp: 4319
Ion Ratio Lower Upper
112 100
64 54.1 43.4 65.2
63 28.3 22.2 33.2



#5
Phenol-d6
Concen: 0.373 ng
RT: 6.787 min Scan# 527
Delta R.T. 0.007 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

Tgt Ion: 99 Resp: 3960
Ion Ratio Lower Upper
99 100
42 20.6 16.4 24.6
71 34.6 26.3 39.5

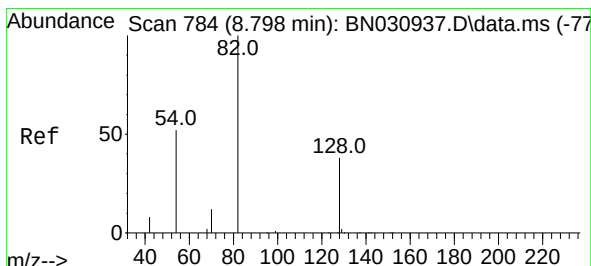
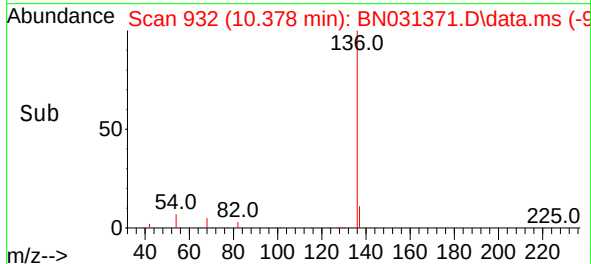
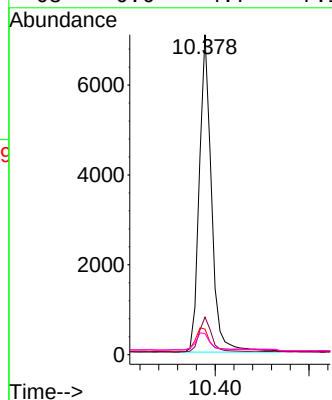
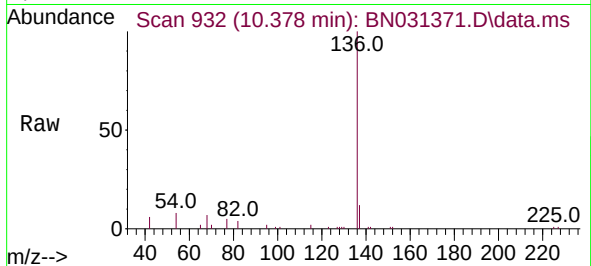




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.378 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

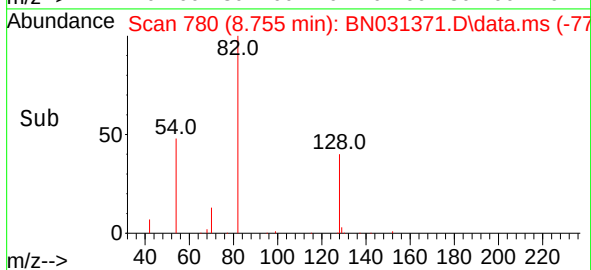
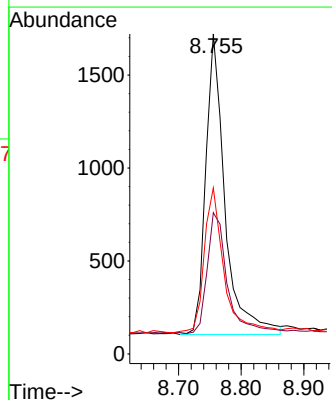
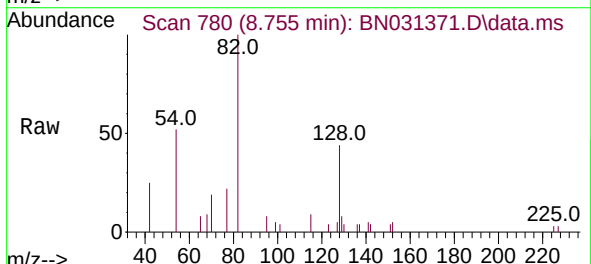
Instrument :
BNA_N
ClientSampleId :
PB160640BL

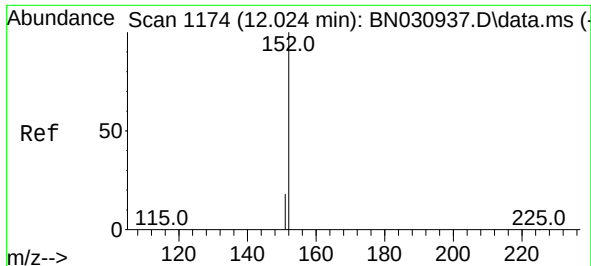
Tgt Ion:136 Resp: 12777
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 8.0 5.3 7.9#
68 6.6 4.7 7.1



#8
Nitrobenzene-d5
Concen: 0.389 ng
RT: 8.755 min Scan# 780
Delta R.T. 0.000 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

Tgt Ion: 82 Resp: 3442
Ion Ratio Lower Upper
82 100
128 44.2 33.7 50.5
54 51.9 43.7 65.5





#11

2-Methylnaphthalene-d10

Concen: 0.303 ng

RT: 11.975 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

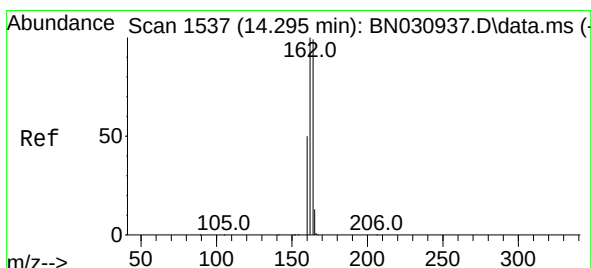
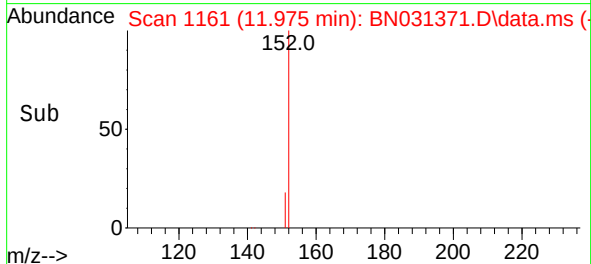
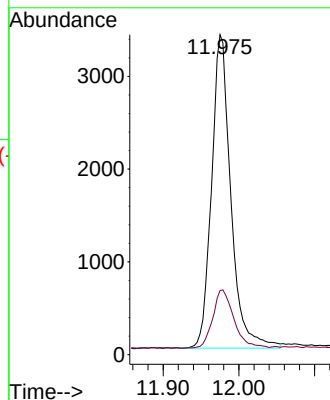
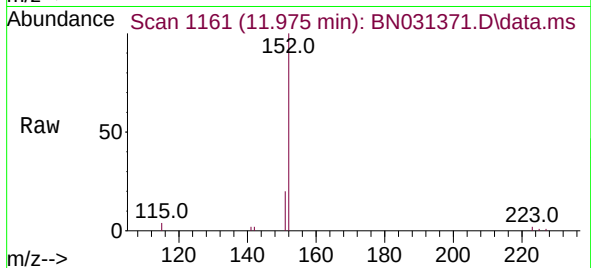
PB160640BL

Tgt Ion:152 Resp: 5957

Ion Ratio Lower Upper

152 100

151 20.7 16.7 25.1



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.242 min Scan# 1481

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

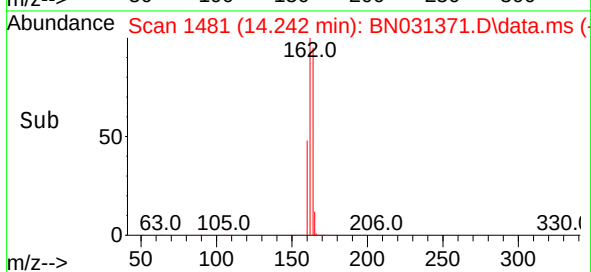
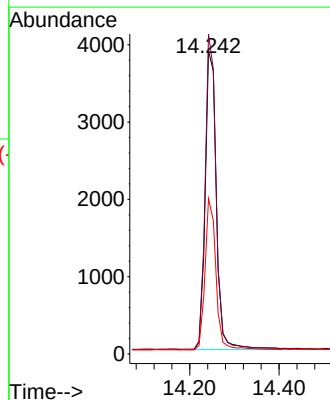
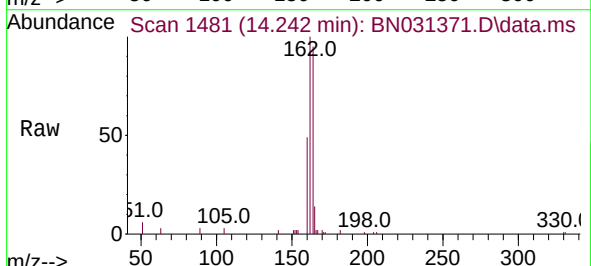
Tgt Ion:164 Resp: 6685

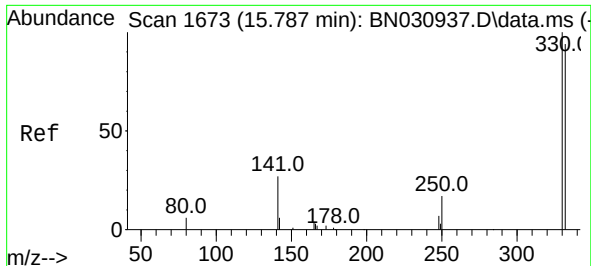
Ion Ratio Lower Upper

164 100

162 105.5 80.6 121.0

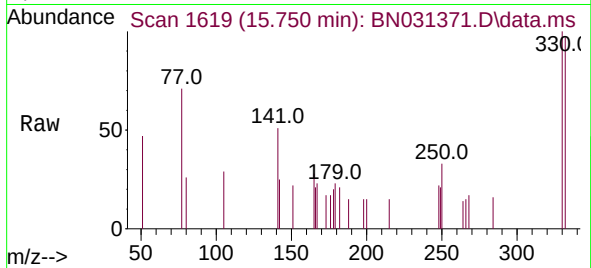
160 51.2 40.7 61.1



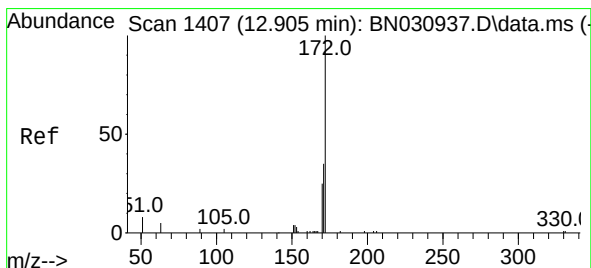
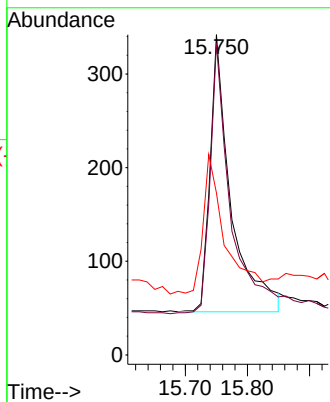
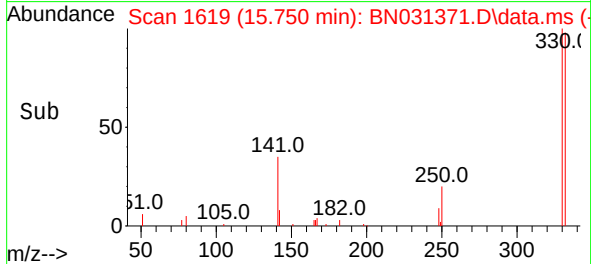


#14
2,4,6-Tribromophenol
Concen: 0.268 ng
RT: 15.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13

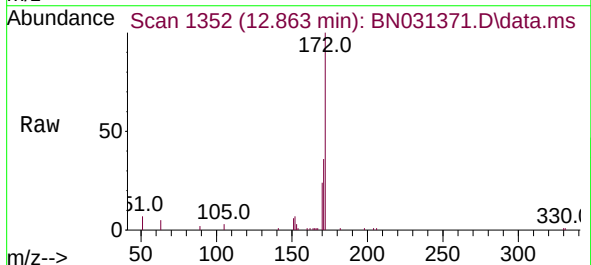
Instrument :
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PB160640BL



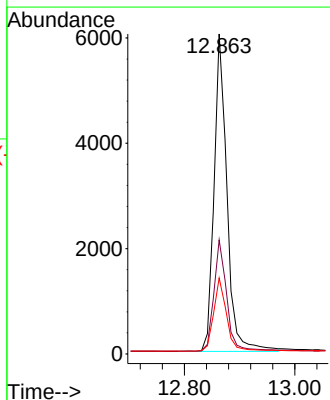
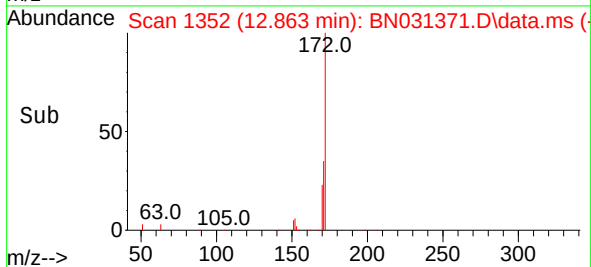
Tgt Ion:330 Resp: 695
Ion Ratio Lower Upper
330 100
332 95.5 74.2 111.2
141 51.5 37.2 55.8

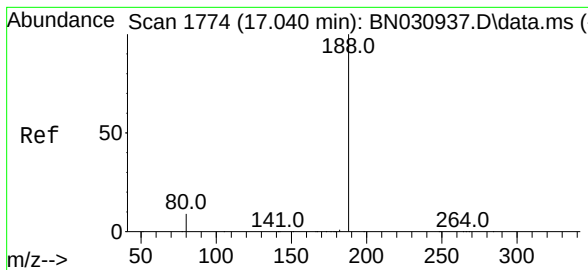


#15
2-Fluorobiphenyl
Concen: 0.435 ng
RT: 12.863 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BN031371.D
Acq: 02 May 2024 14:13



Tgt Ion:172 Resp: 9765
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.7 19.8 29.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.004 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL

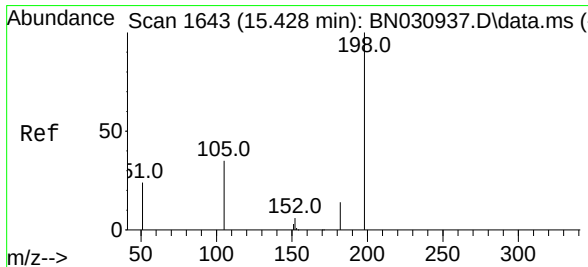
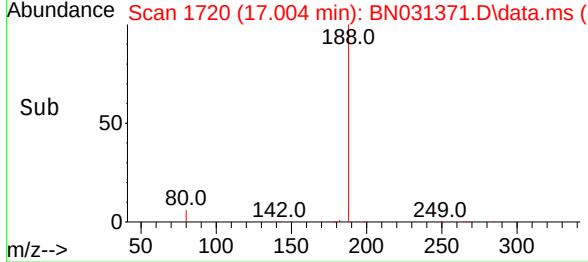
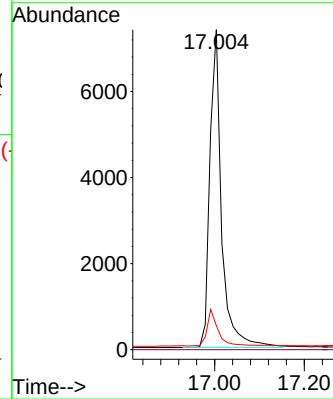
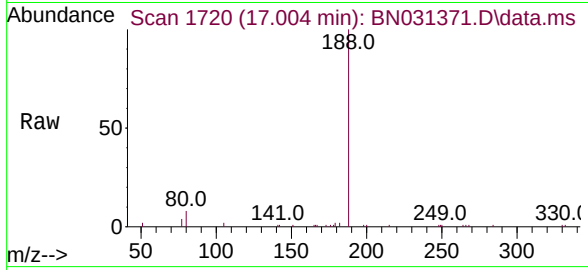
Tgt Ion:188 Resp: 13350

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.5 7.4 11.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.108 ng

RT: 15.407 min Scan# 1590

Delta R.T. 0.011 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

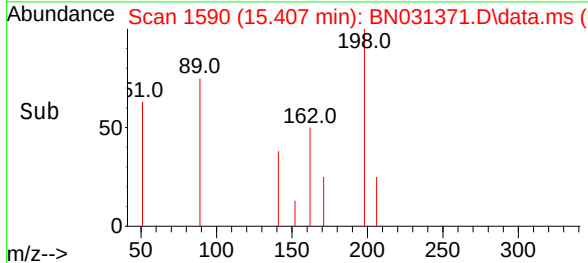
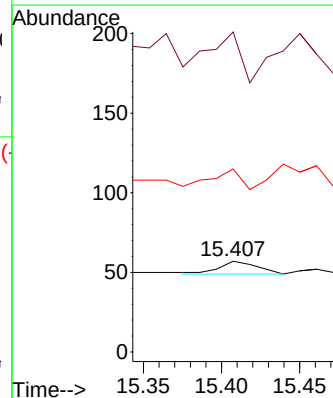
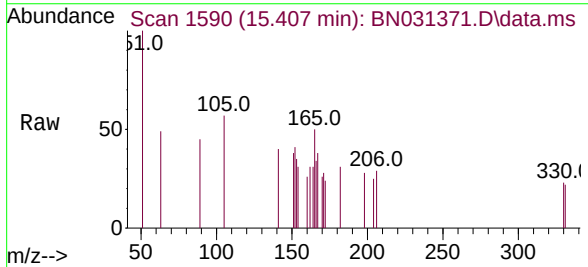
Tgt Ion:198 Resp: 13

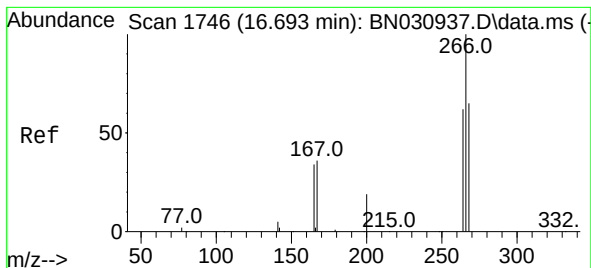
Ion Ratio Lower Upper

198 100

51 352.6 65.2 97.8#

105 201.8 41.0 61.4#





#24

Pentachlorophenol

Concen: 0.140 ng

RT: 16.656 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL

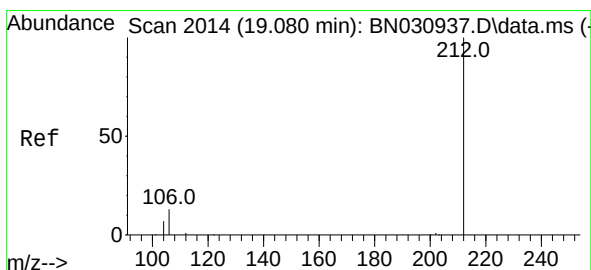
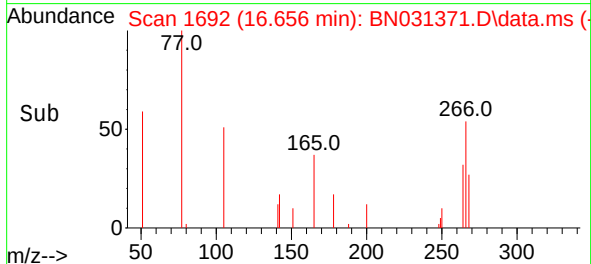
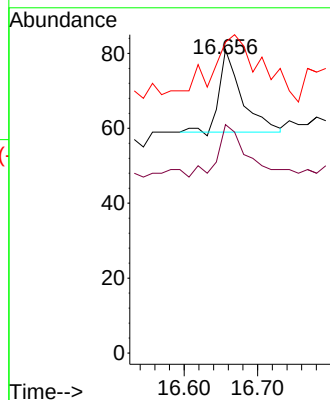
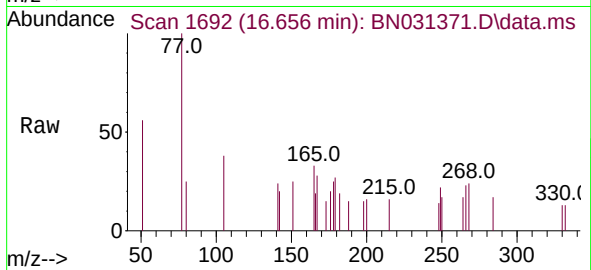
Tgt Ion:266 Resp: 47

Ion Ratio Lower Upper

266 100

264 87.2 50.2 75.2#

268 180.9 52.3 78.5#



#27

Fluoranthene-d10

Concen: 0.256 ng

RT: 19.040 min Scan# 1956

Delta R.T. 0.005 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

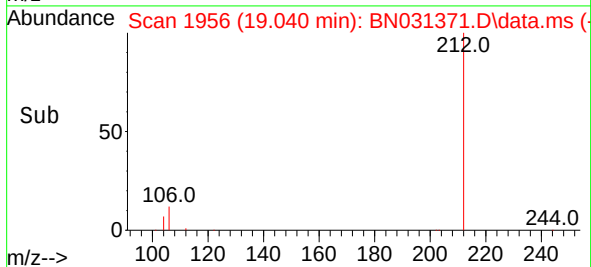
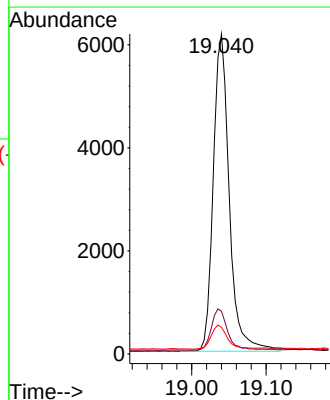
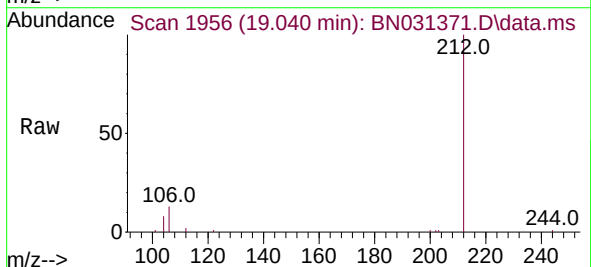
Tgt Ion:212 Resp: 9190

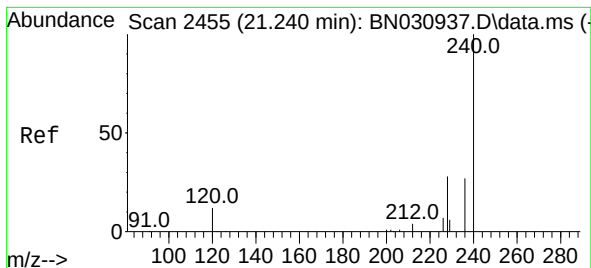
Ion Ratio Lower Upper

212 100

106 13.3 12.0 18.0

104 7.7 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.202 min Scan# 2455

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL

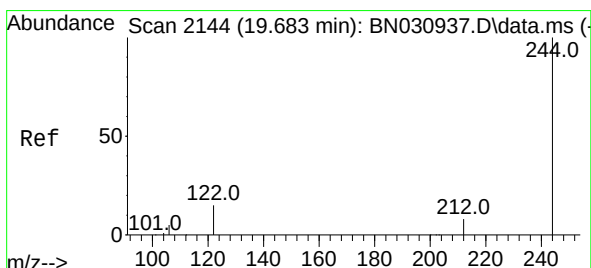
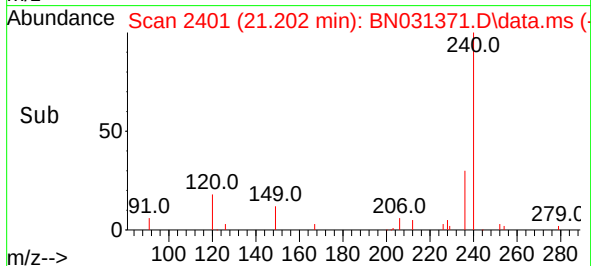
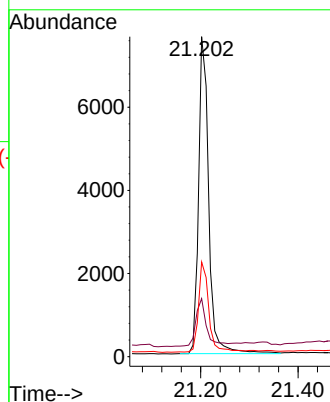
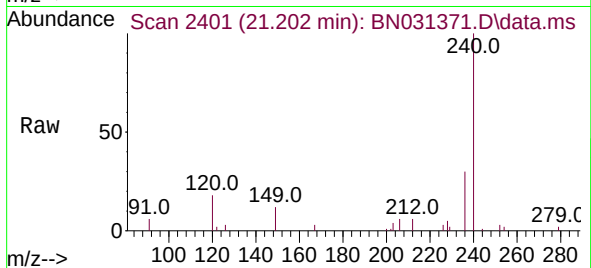
Tgt Ion:240 Resp: 11006

Ion Ratio Lower Upper

240 100

120 18.2 11.0 16.4#

236 29.6 22.3 33.5



#31

Terphenyl-d14

Concen: 0.321 ng

RT: 19.644 min Scan# 2086

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

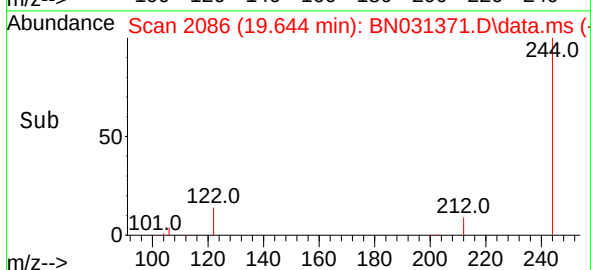
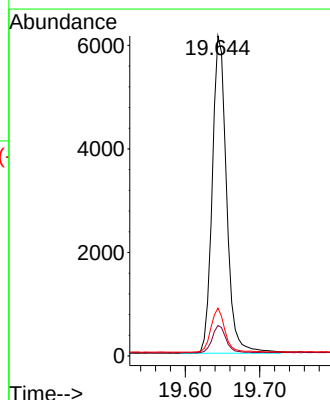
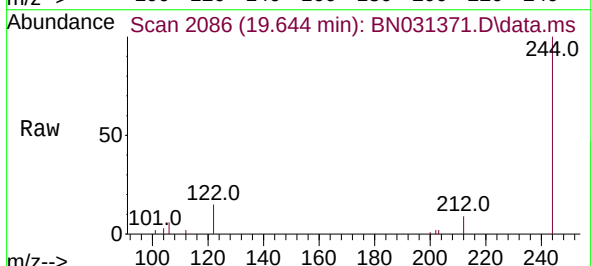
Tgt Ion:244 Resp: 8203

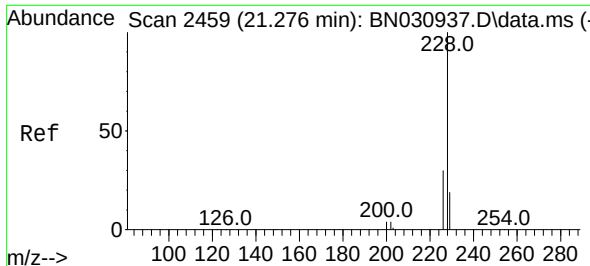
Ion Ratio Lower Upper

244 100

212 9.5 7.2 10.8

122 15.0 12.7 19.1





#33

Chrysene

Concen: 0.025 ng

RT: 21.238 min Scan# 2405

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL

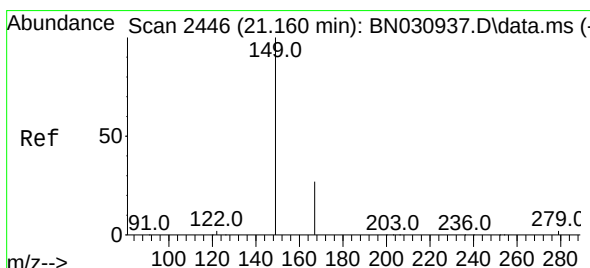
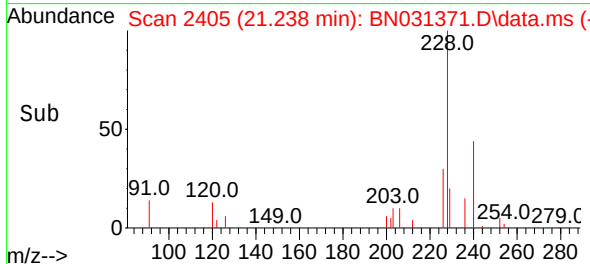
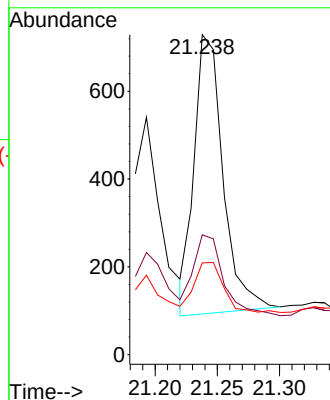
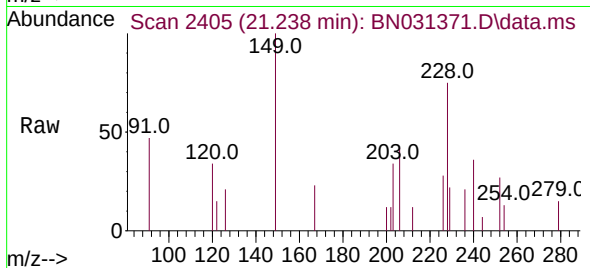
Tgt Ion:228 Resp: 1027

Ion Ratio Lower Upper

228 100

226 37.4 23.9 35.9#

229 28.7 15.8 23.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.093 ng

RT: 21.121 min Scan# 2392

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

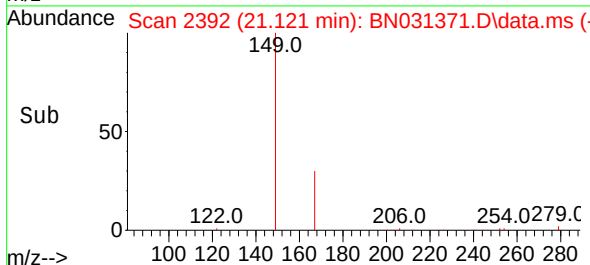
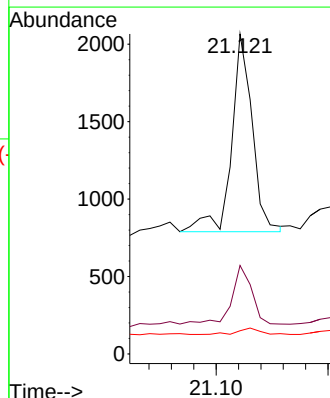
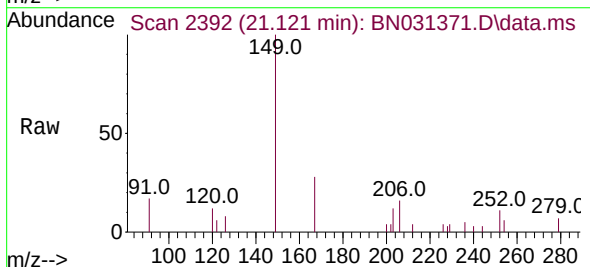
Tgt Ion:149 Resp: 1638

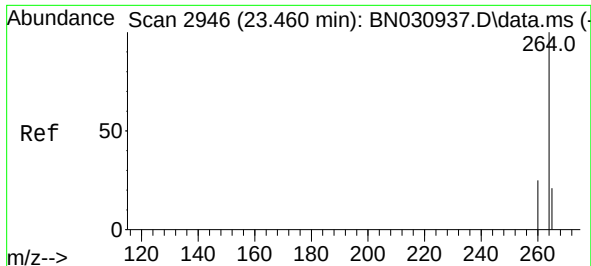
Ion Ratio Lower Upper

149 100

167 28.6 21.0 31.4

279 3.4 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.408 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN031371.D

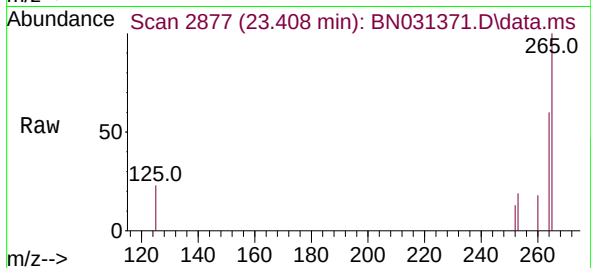
Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL



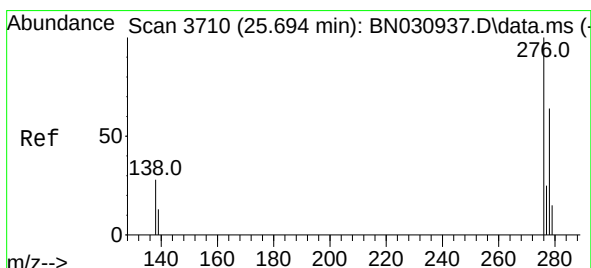
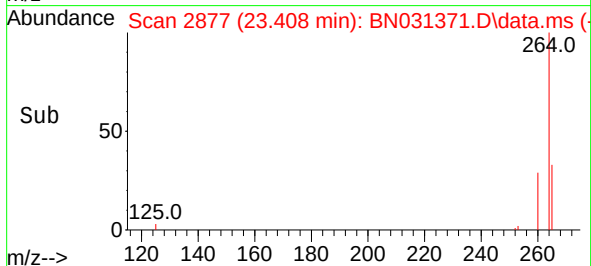
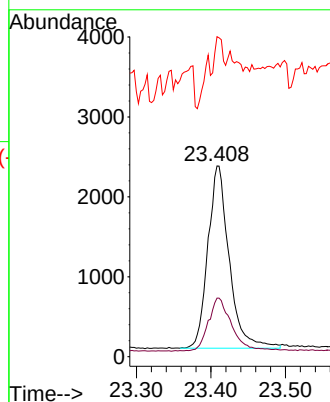
Tgt Ion:264 Resp: 4526

Ion Ratio Lower Upper

264 100

260 30.7 20.6 31.0

265 167.7 53.3 79.9#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.081 ng

RT: 25.621 min Scan# 3634

Delta R.T. 0.003 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

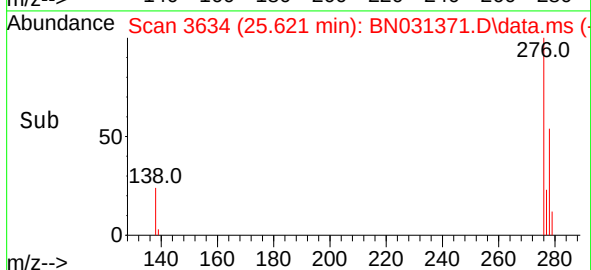
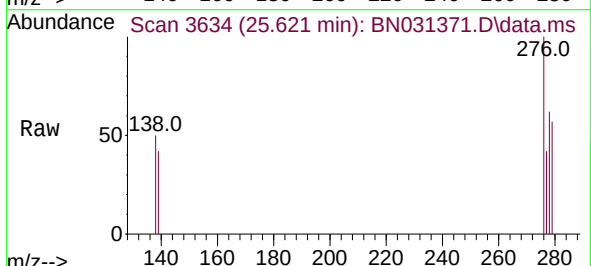
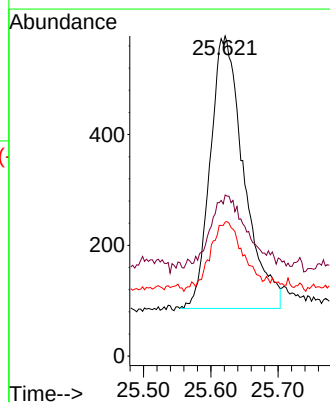
Tgt Ion:276 Resp: 1707

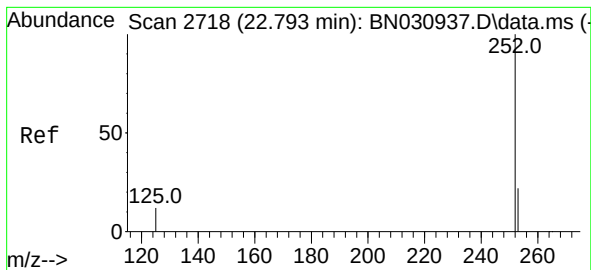
Ion Ratio Lower Upper

276 100

138 26.3 23.1 34.7

277 22.5 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.112 ng

RT: 22.750 min Scan# 2095

Delta R.T. 0.003 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL

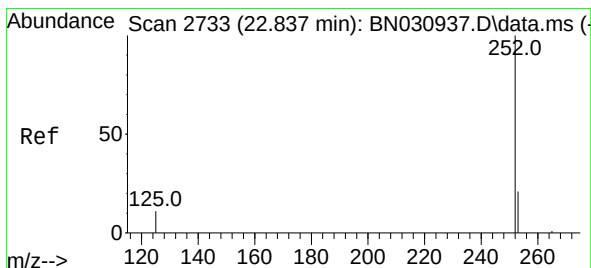
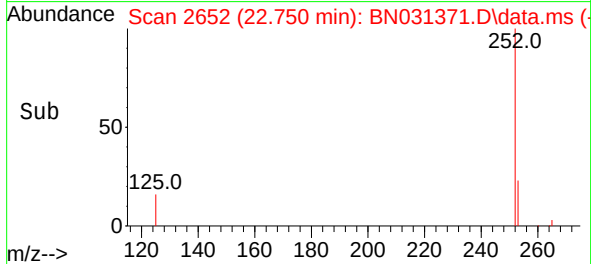
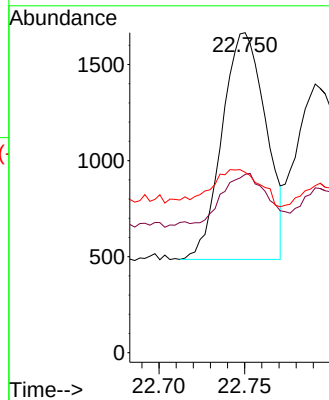
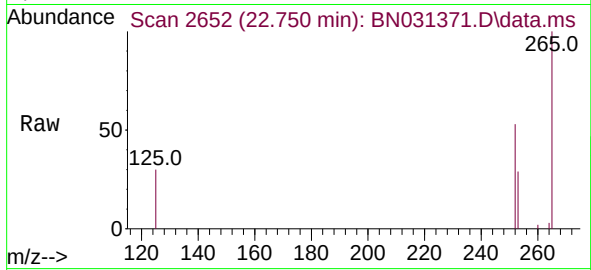
Tgt Ion:252 Resp: 2095

Ion Ratio Lower Upper

252 100

253 55.7 20.2 30.2#

125 56.4 13.4 20.2#



#38

Benzo(k)fluoranthene

Concen: 0.100 ng

RT: 22.791 min Scan# 2666

Delta R.T. 0.000 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

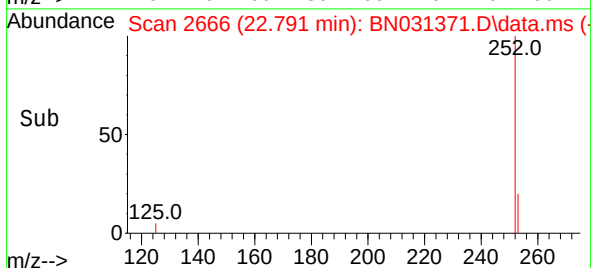
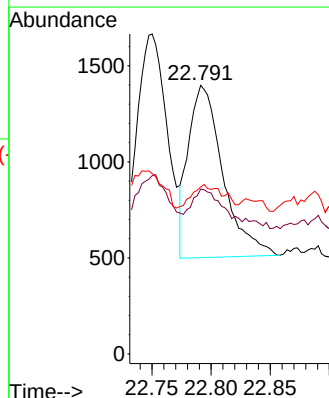
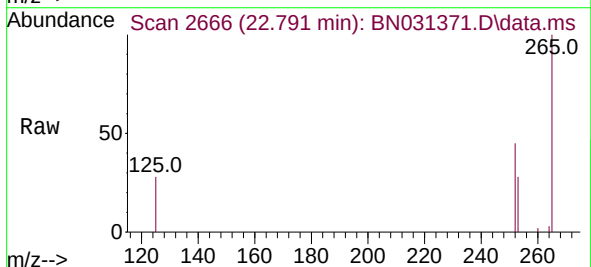
Tgt Ion:252 Resp: 1824

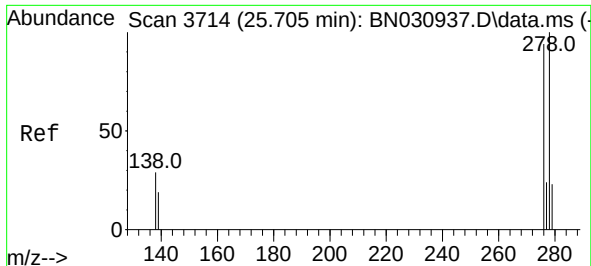
Ion Ratio Lower Upper

252 100

253 61.3 19.9 29.9#

125 62.2 13.2 19.8#





#40

Dibenzo(a,h)anthracene

Concen: 0.079 ng

RT: 25.636 min Scan# 3

Delta R.T. 0.003 min

Lab File: BN031371.D

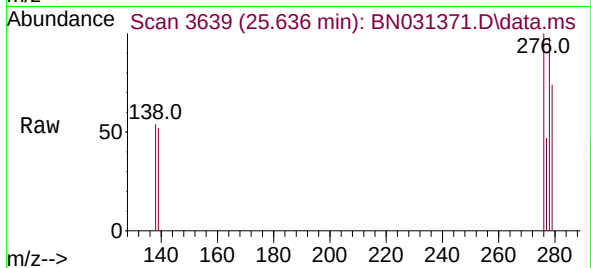
Acq: 02 May 2024 14:13

Instrument :

BNA_N

ClientSampleId :

PB160640BL



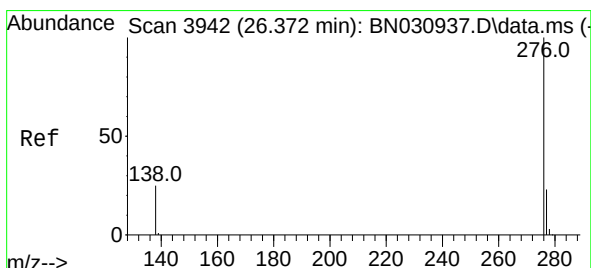
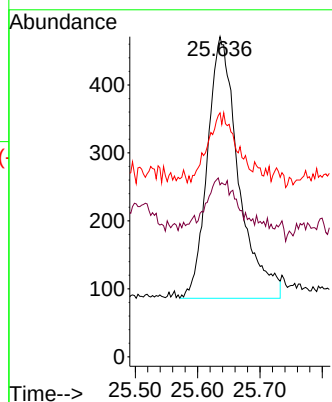
Tgt Ion:278 Resp: 1336

Ion Ratio Lower Upper

278 100

139 53.7 16.3 24.5#

279 76.2 20.6 31.0#



#41

Benzo(g,h,i)perylene

Concen: 0.080 ng

RT: 26.297 min Scan# 3865

Delta R.T. 0.003 min

Lab File: BN031371.D

Acq: 02 May 2024 14:13

Tgt Ion:276 Resp: 1480

Ion Ratio Lower Upper

276 100

277 42.1 19.4 29.2#

138 50.4 21.0 31.4#

