

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120924\
 Data File : BN035503.D
 Acq On : 09 Dec 2024 12:52
 Operator : RC/JU
 Sample : P5142-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

Quant Time: Dec 09 13:27:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

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

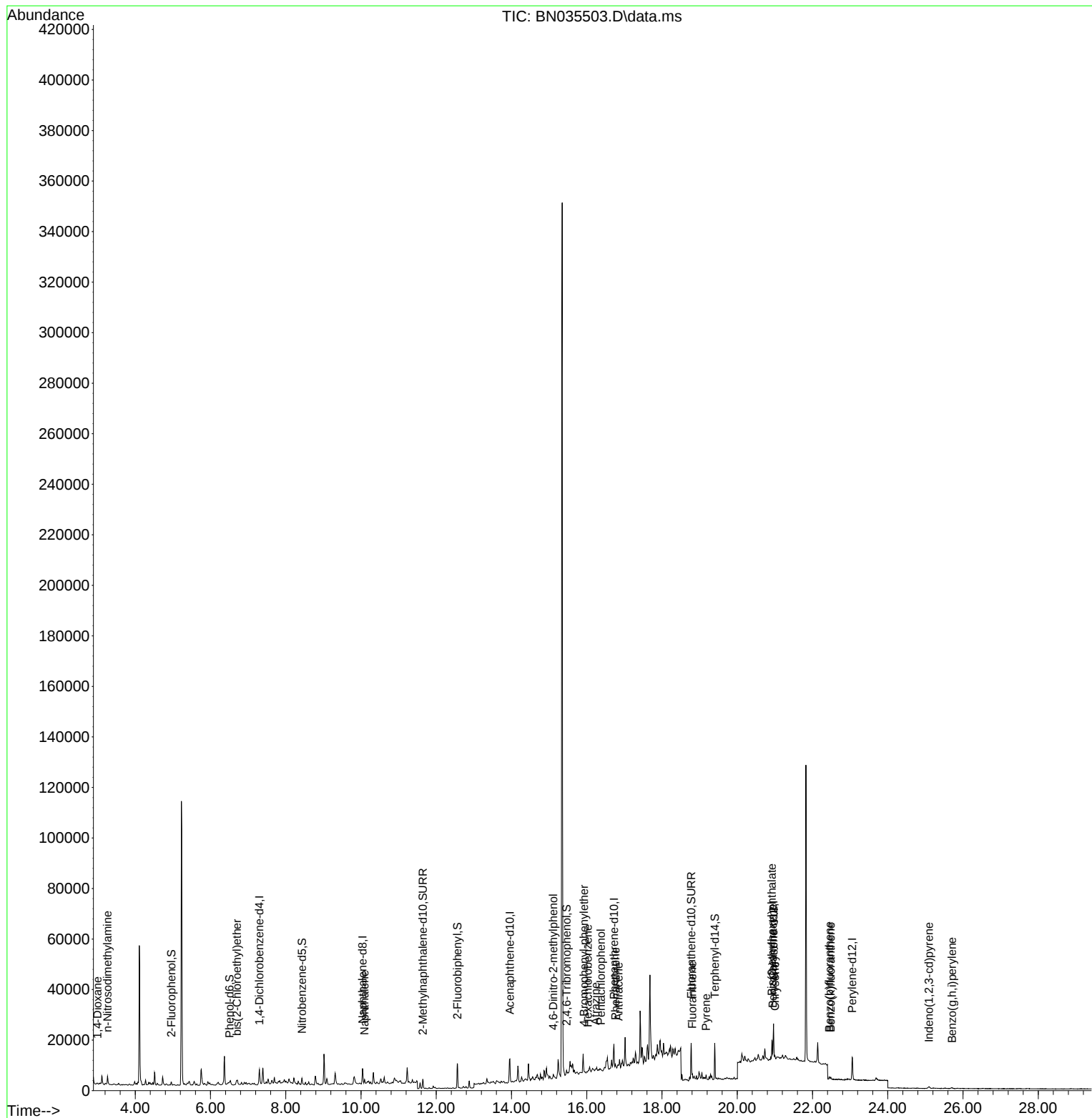
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.300	152	2555	0.400	ng	0.00
7) Naphthalene-d8	10.041	136	7813	0.400	ng	-0.01
13) Acenaphthene-d10	13.957	164	6050	0.400	ng	-0.01
19) Phenanthrene-d10	16.723	188	13058	0.400	ng	#-0.01
29) Chrysene-d12	20.965	240	11506	0.400	ng	# 0.00
35) Perylene-d12	23.056	264	10509	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.960	112	893	0.140	ng	0.00
5) Phenol-d6	6.506	99	867	0.113	ng	0.00
8) Nitrobenzene-d5	8.429	82	2393	0.501	ng	-0.01
11) 2-Methylnaphthalene-d10	11.641	152	5007	0.409	ng	-0.02
14) 2,4,6-Tribromophenol	15.464	330	1610	0.375	ng	-0.01
15) 2-Fluorobiphenyl	12.564	172	8694	0.380	ng	-0.01
27) Fluoranthene-d10	18.775	212	15522	0.419	ng	0.00
31) Terphenyl-d14	19.402	244	12958	0.571	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.996	88	375	0.154	ng	# 73
3) n-Nitrosodimethylamine	3.263	42	359	0.176	ng	# 1
6) bis(2-Chloroethyl)ether	6.701	93	264	0.041	ng	# 37
9) Naphthalene	10.095	128	808	0.039	ng	# 69
20) 4,6-Dinitro-2-methylph...	15.111	198	239	0.186	ng	# 1
21) 4-Bromophenyl-phenylether	15.929	248	170	0.022	ng	# 1
22) Hexachlorobenzene	16.028	284	194	0.022	ng	# 56
23) Atrazine	16.227	200	352	0.065	ng	# 1
24) Pentachlorophenol	16.376	266	214	0.055	ng	# 64
25) Phenanthrene	16.760	178	1028	0.029	ng	# 65
26) Anthracene	16.847	178	859	0.026	ng	# 62
28) Fluoranthene	18.803	202	1599	0.033	ng	# 86
30) Pyrene	19.170	202	1242	0.029	ng	# 85
32) Benzo(a)anthracene	20.947	228	1008	0.025	ng	# 37
33) Chrysene	21.000	228	1094	0.026	ng	# 50
34) Bis(2-ethylhexyl)phtha...	20.920	149	7732	0.486	ng	# 74
36) Indeno(1,2,3-cd)pyrene	25.091	276	876	0.021	ng	98
37) Benzo(b)fluoranthene	22.445	252	1285	0.033	ng	# 1
38) Benzo(k)fluoranthene	22.486	252	1023	0.027	ng	# 1
41) Benzo(g,h,i)perylene	25.707	276	685	0.020	ng	# 22

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

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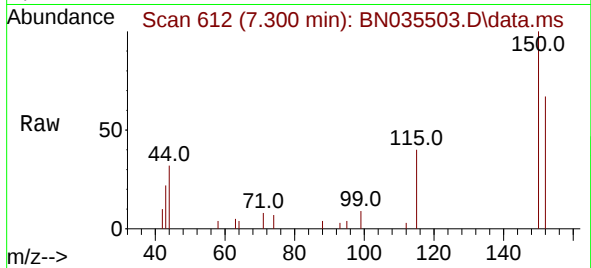
Quant Time: Dec 09 13:27:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
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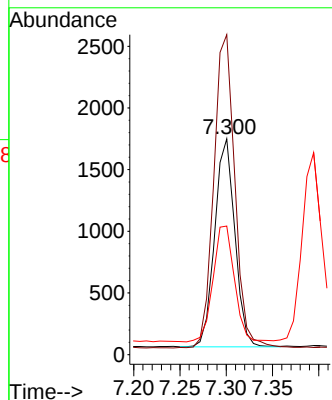
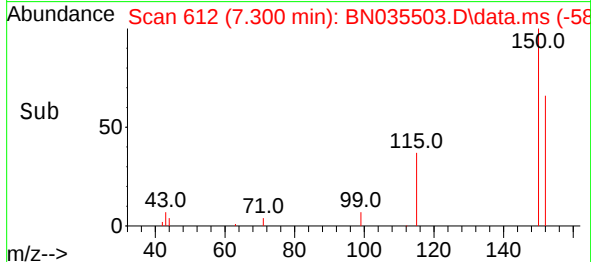


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.300 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

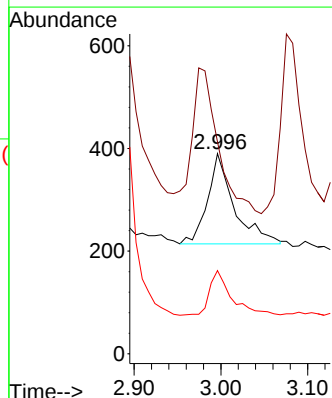
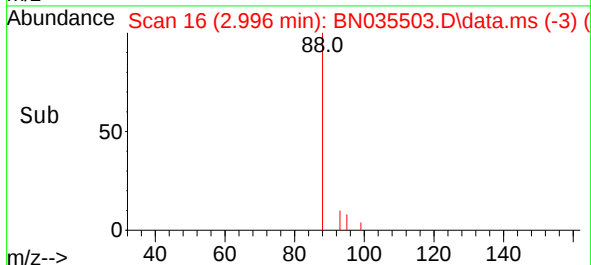
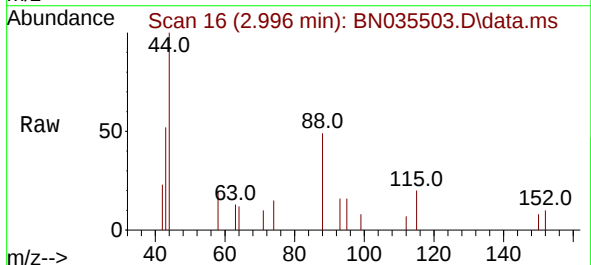


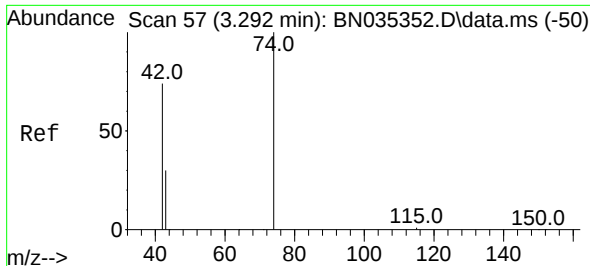
Tgt Ion:152 Resp: 2555
 Ion Ratio Lower Upper
 152 100
 150 148.2 124.0 186.0
 115 59.6 49.6 74.4



#2
 1,4-Dioxane
 Concen: 0.154 ng
 RT: 2.996 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

Tgt Ion: 88 Resp: 375
 Ion Ratio Lower Upper
 88 100
 43 0.0 17.2 25.8#
 58 40.8 44.5 66.7#

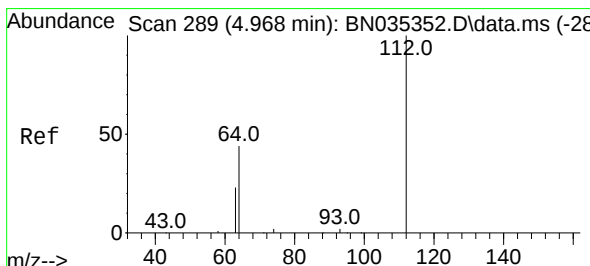
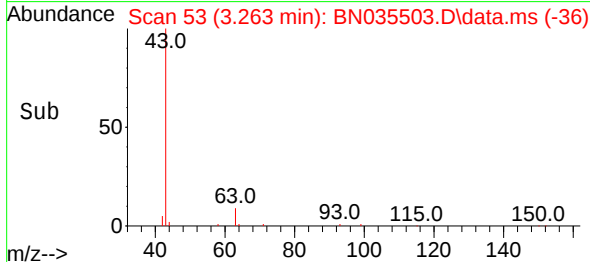
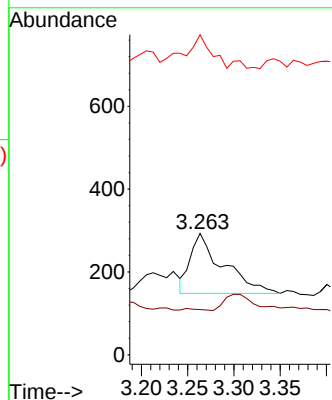
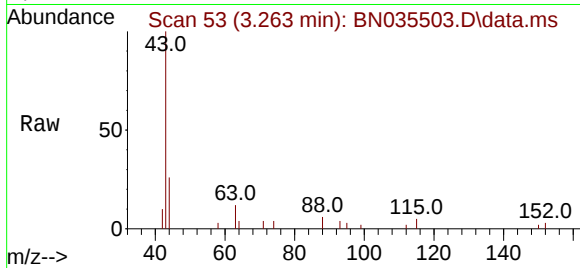




#3
 n-Nitrosodimethylamine
 Concen: 0.176 ng
 RT: 3.263 min Scan# 51
 Delta R.T. -0.029 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

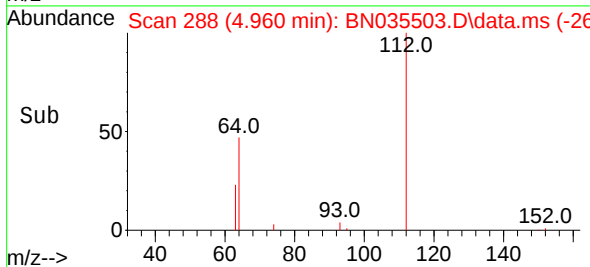
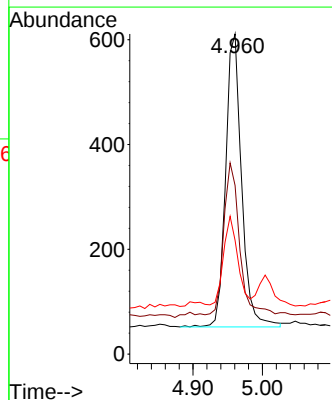
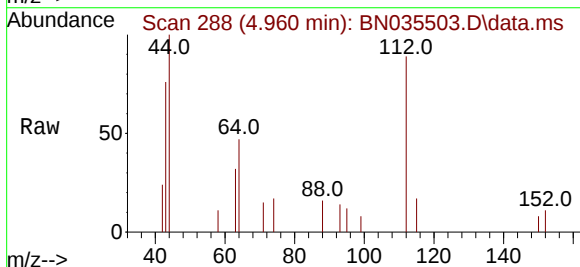
Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

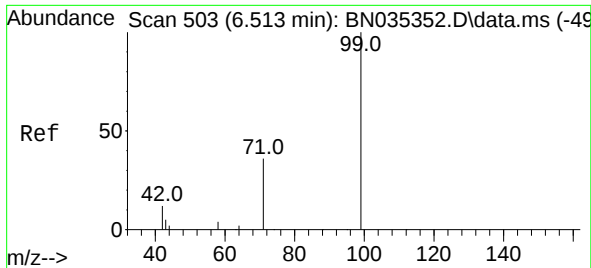
Tgt Ion: 42 Resp: 359
 Ion Ratio Lower Upper
 42 100
 74 0.0 124.9 187.3#
 44 45.7 2.2 3.4#



#4
 2-Fluorophenol
 Concen: 0.140 ng
 RT: 4.960 min Scan# 288
 Delta R.T. -0.007 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

Tgt Ion: 112 Resp: 893
 Ion Ratio Lower Upper
 112 100
 64 52.3 39.8 59.8
 63 28.1 21.0 31.6

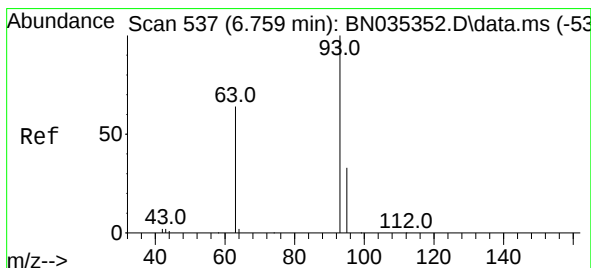
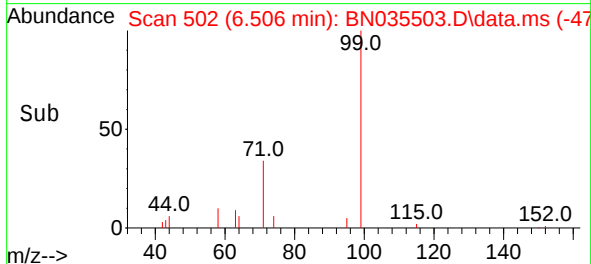
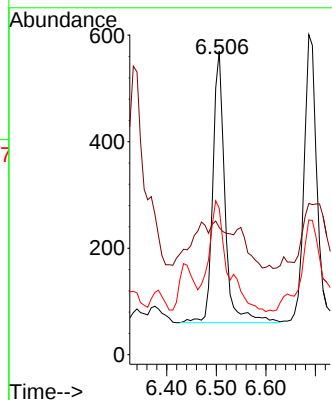
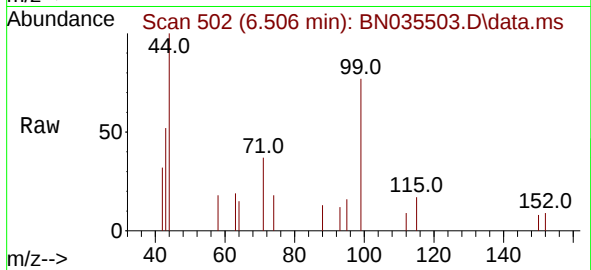




#5
Phenol-d6
Concen: 0.113 ng
RT: 6.506 min Scan# 503
Delta R.T. -0.007 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

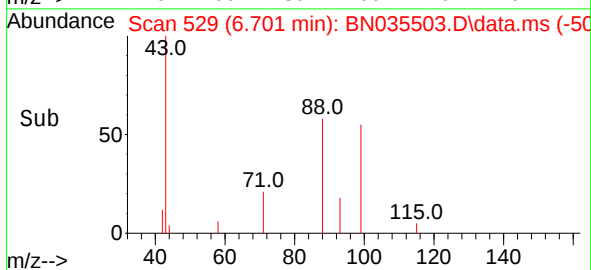
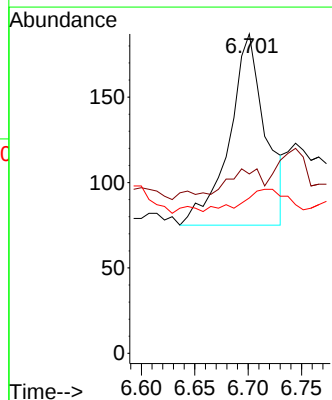
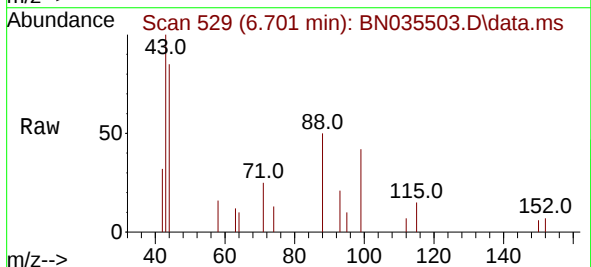
Instrument :
BNA_N
ClientSampleId :
TOWER-2

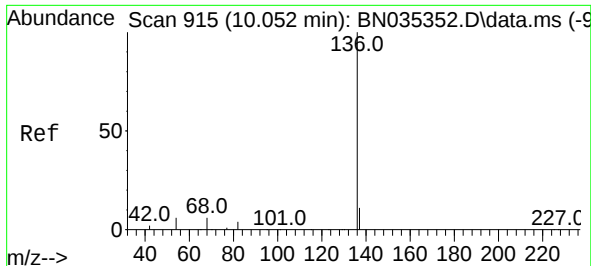
Tgt Ion: 99 Resp: 867
Ion Ratio Lower Upper
99 100
42 0.0 11.4 17.2#
71 64.6 29.3 43.9#



#6
bis(2-Chloroethyl)ether
Concen: 0.041 ng
RT: 6.701 min Scan# 529
Delta R.T. -0.058 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion: 93 Resp: 264
Ion Ratio Lower Upper
93 100
63 12.1 50.4 75.6#
95 0.0 25.7 38.5#

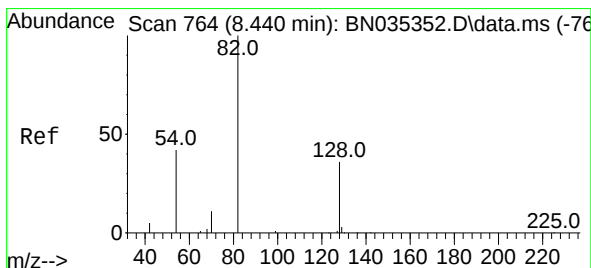
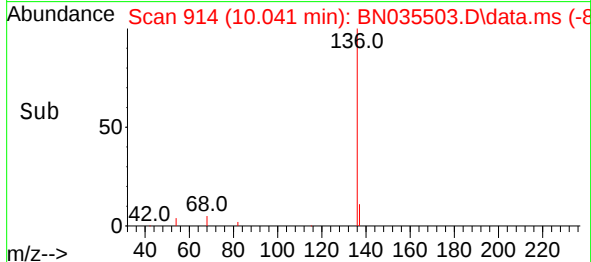
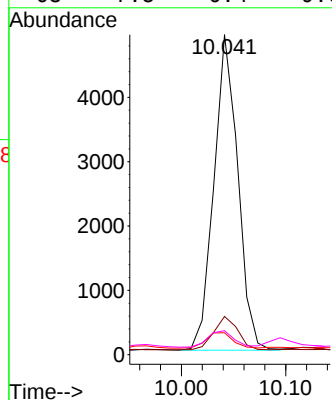
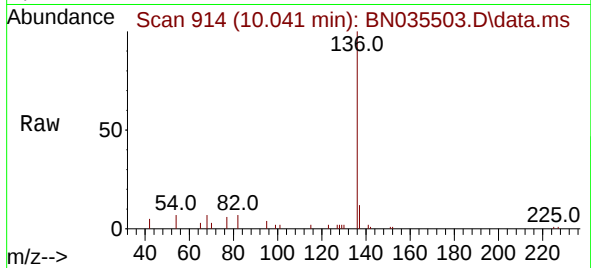




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.041 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

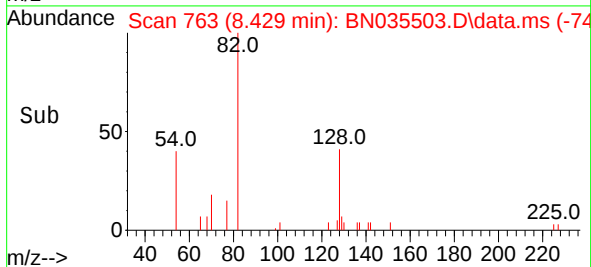
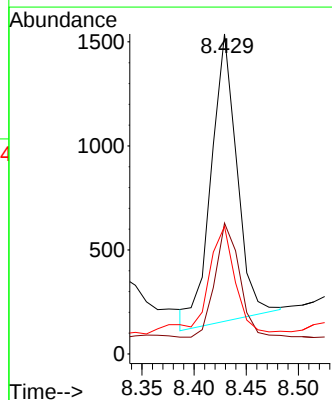
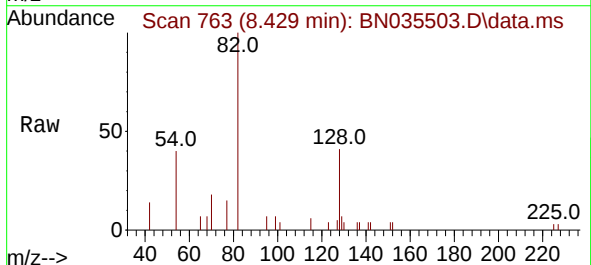
Instrument :
BNA_N
ClientSampleId :
TOWER-2

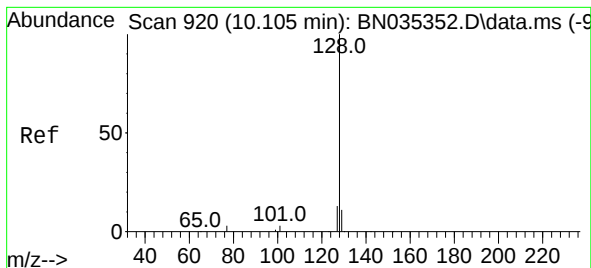
Tgt Ion:136	Resp:	7813
Ion	Ratio	Lower Upper
136	100	
137	12.0	10.2 15.2
54	6.8	6.1 9.1
68	7.5	6.4 9.6



#8
Nitrobenzene-d5
Concen: 0.501 ng
RT: 8.429 min Scan# 763
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion: 82	Resp:	2393
Ion	Ratio	Lower Upper
82	100	
128	40.9	33.4 50.0
54	39.9	36.7 55.1





#9

Naphthalene

Concen: 0.039 ng

RT: 10.095 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

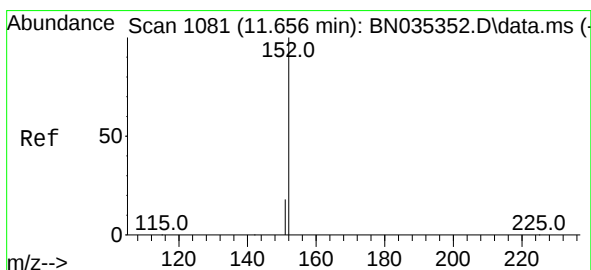
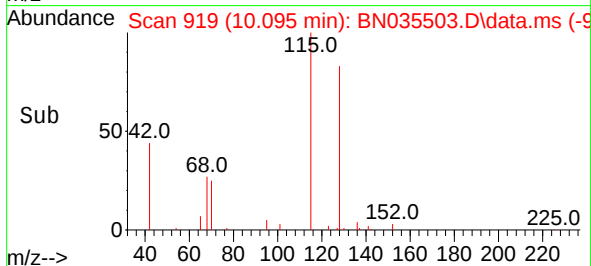
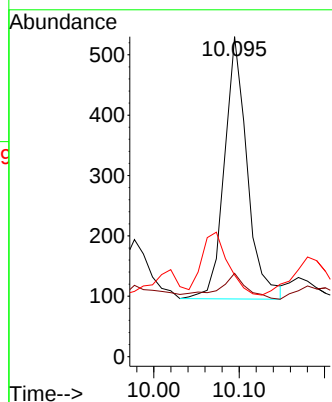
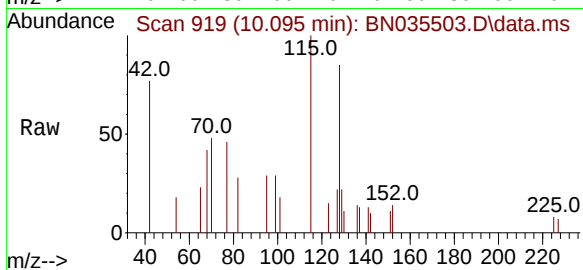
Tgt Ion:128 Resp: 808

Ion Ratio Lower Upper

128 100

129 26.0 9.8 14.6#

127 25.5 11.4 17.2#



#11

2-Methylnaphthalene-d10

Concen: 0.409 ng

RT: 11.641 min Scan# 1078

Delta R.T. -0.015 min

Lab File: BN035503.D

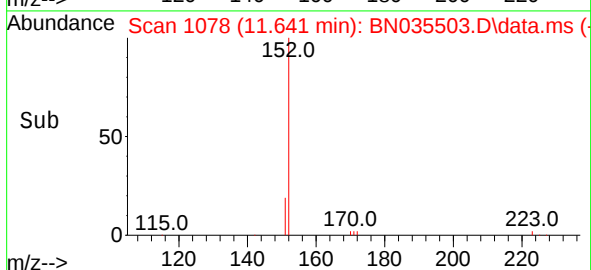
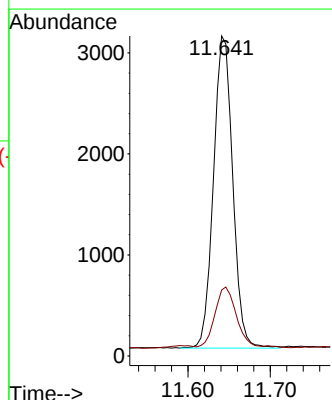
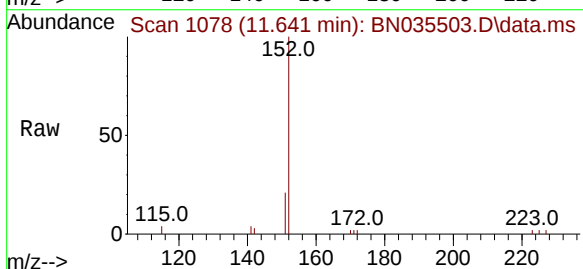
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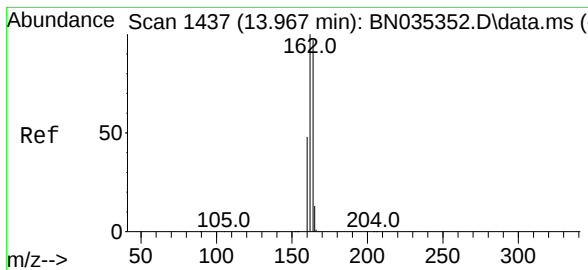
Tgt Ion:152 Resp: 5007

Ion Ratio Lower Upper

152 100

151 21.1 16.6 25.0

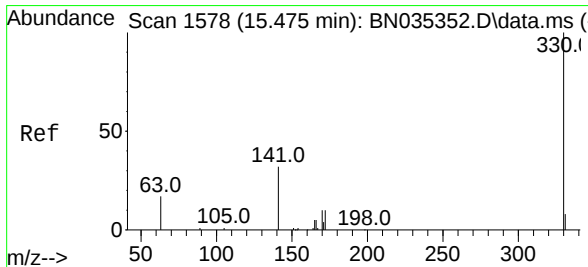
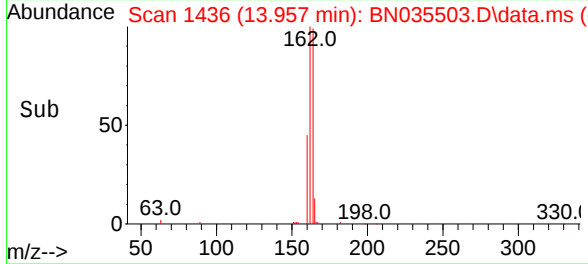
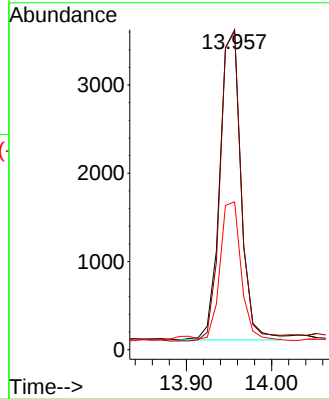
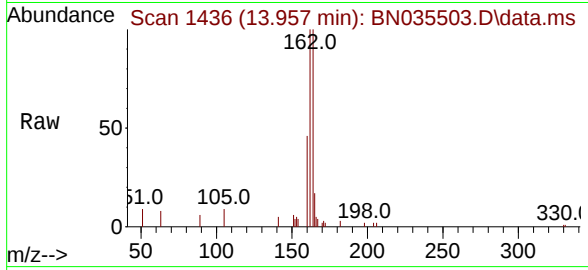




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.957 min Scan# 1436
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

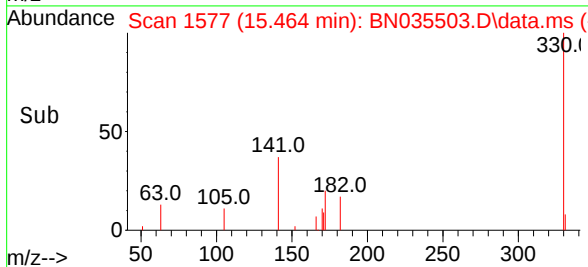
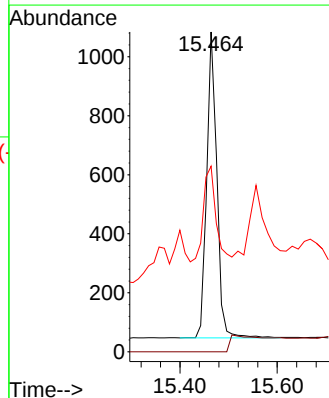
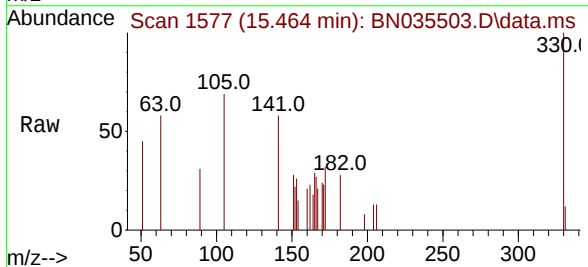
Instrument :
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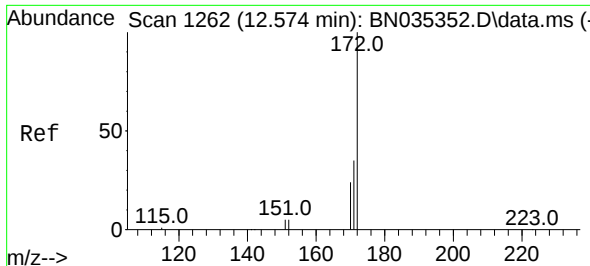
Tgt Ion:164 Resp: 6050
Ion Ratio Lower Upper
164 100
162 100.4 82.2 123.2
160 46.4 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.464 min Scan# 1577
Delta R.T. -0.011 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:330 Resp: 1610
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 40.5 26.6 40.0#

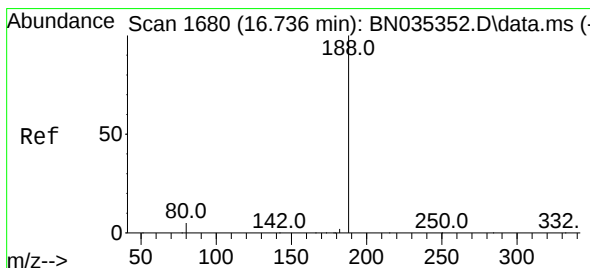
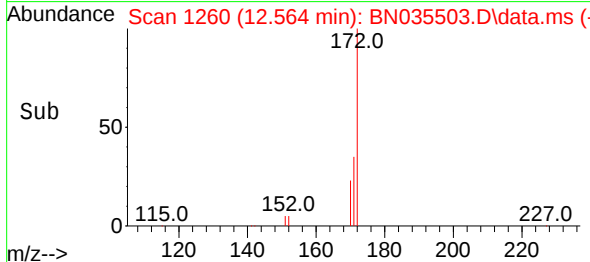
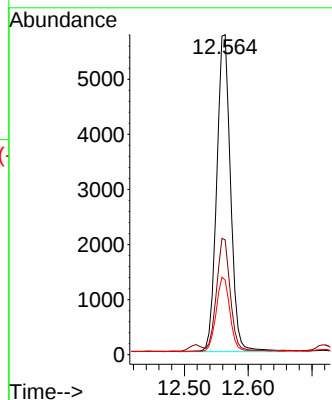
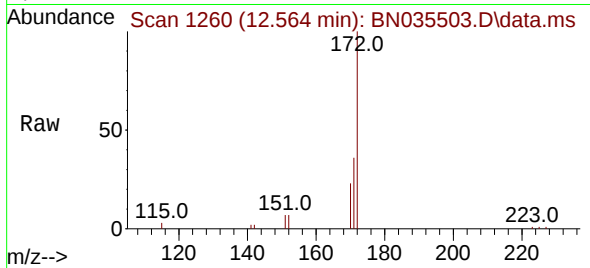




#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 12.564 min Scan# 1679
Delta R.T. -0.010 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

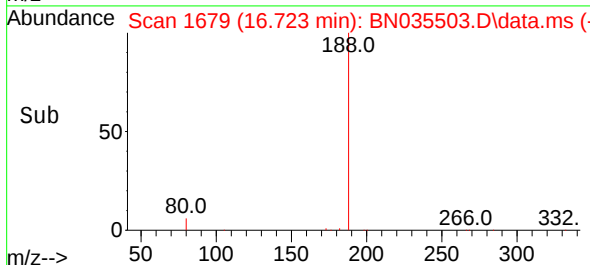
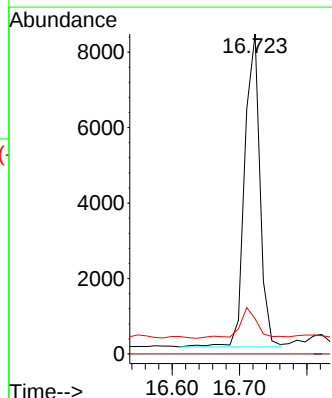
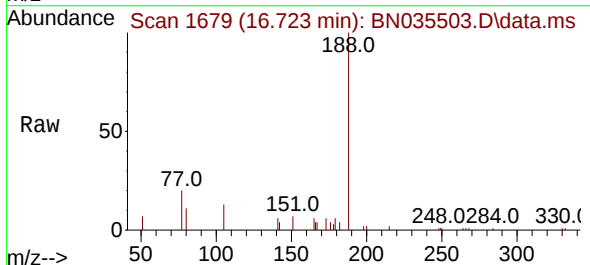
Instrument :
BNA_N
ClientSampleId :
TOWER-2

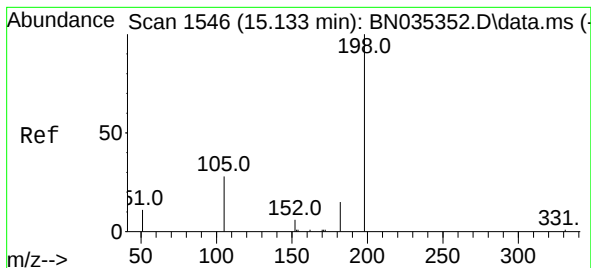
Tgt Ion:172 Resp: 8694
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.3 19.8 29.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:188 Resp: 13058
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 4.6 6.8#

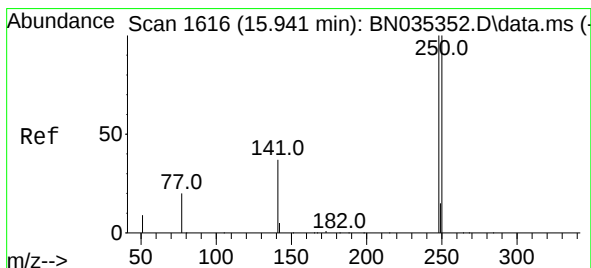
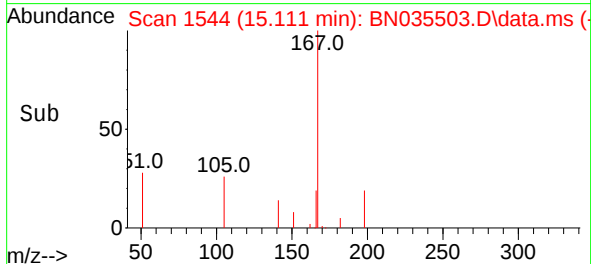
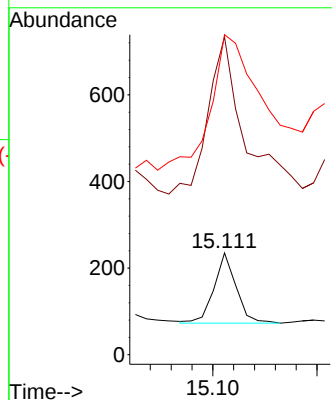
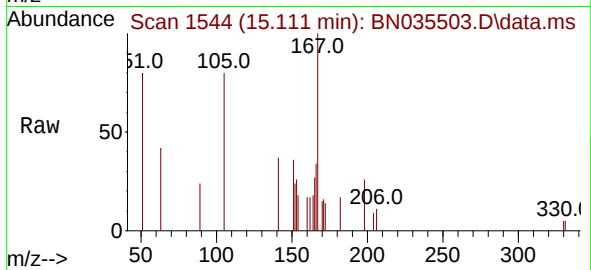




#20
4,6-Dinitro-2-methylphenol
Concen: 0.186 ng
RT: 15.111 min Scan# 1544
Delta R.T. -0.022 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

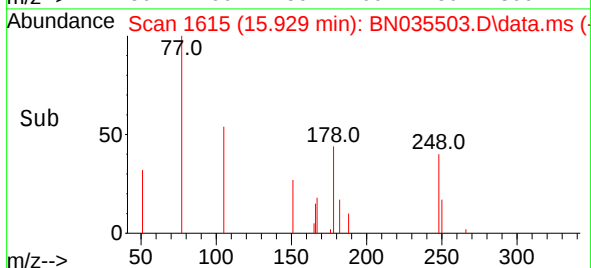
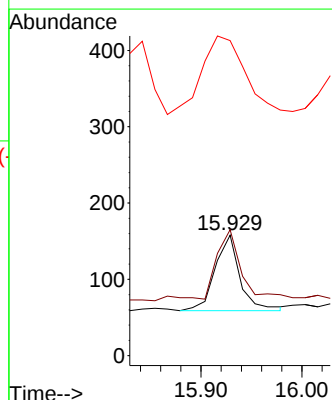
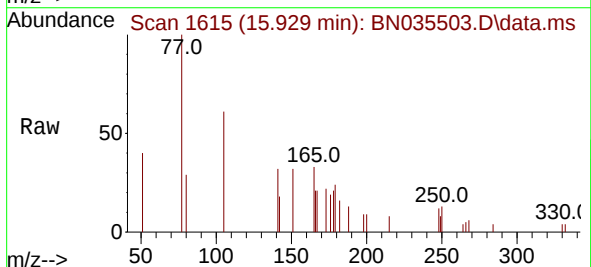
Instrument :
BNA_N
ClientSampleId :
TOWER-2

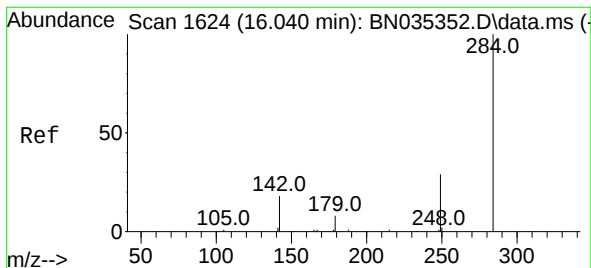
Tgt Ion:198 Resp: 239
Ion Ratio Lower Upper
198 100
51 312.3 46.5 69.7#
105 314.5 45.3 67.9#



#21
4-Bromophenyl-phenylether
Concen: 0.022 ng
RT: 15.929 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:248 Resp: 170
Ion Ratio Lower Upper
248 100
250 104.4 80.6 120.8
141 261.4 31.5 47.3#





#22

Hexachlorobenzene

Concen: 0.022 ng

RT: 16.028 min Scan# 1623

Delta R.T. -0.012 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

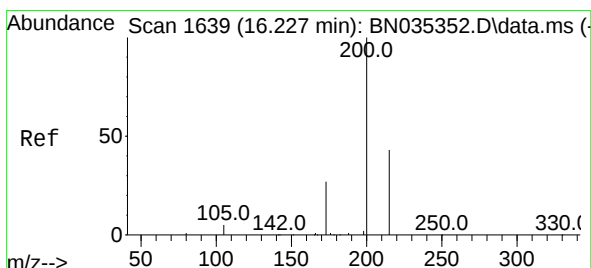
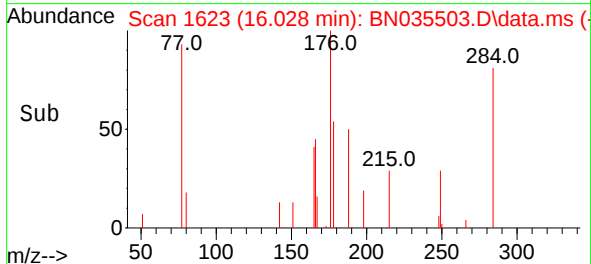
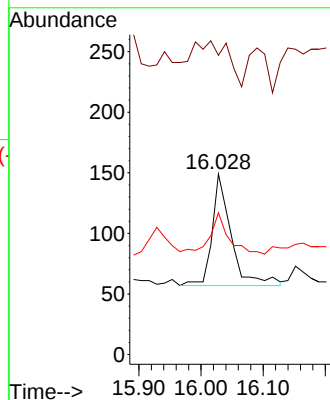
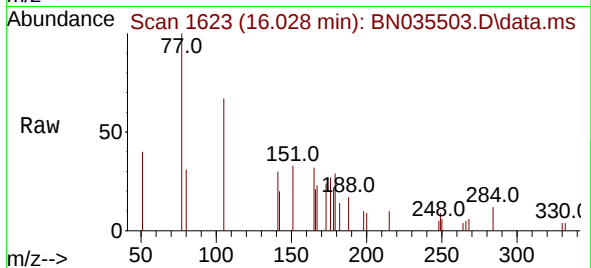
Tgt Ion:284 Resp: 194

Ion Ratio Lower Upper

284 100

142 78.4 26.7 40.1#

249 34.0 24.6 36.8



#23

Atrazine

Concen: 0.065 ng

RT: 16.227 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

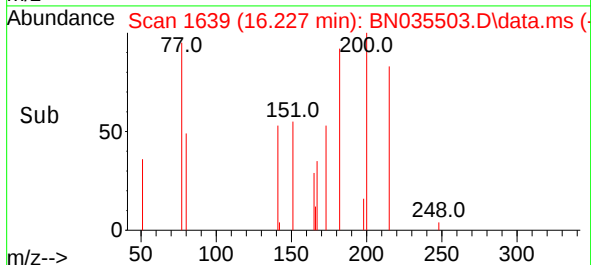
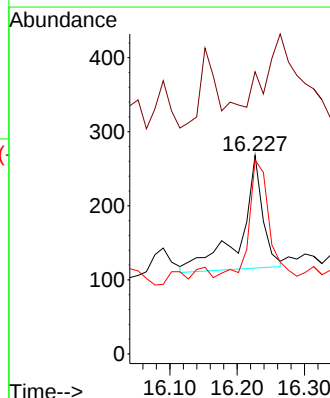
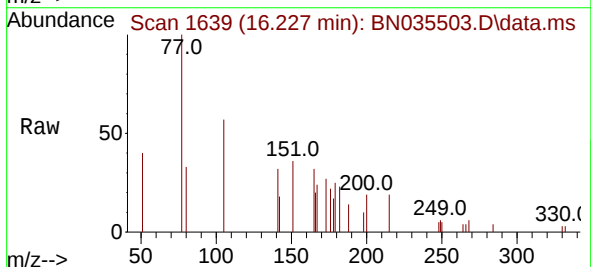
Tgt Ion:200 Resp: 352

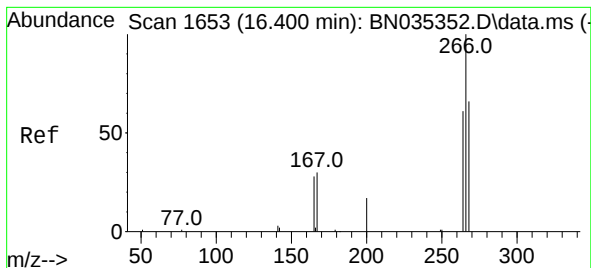
Ion Ratio Lower Upper

200 100

173 142.2 24.1 36.1#

215 97.8 36.9 55.3#





#24

Pentachlorophenol

Concen: 0.055 ng

RT: 16.376 min Scan# 1651

Delta R.T. -0.025 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

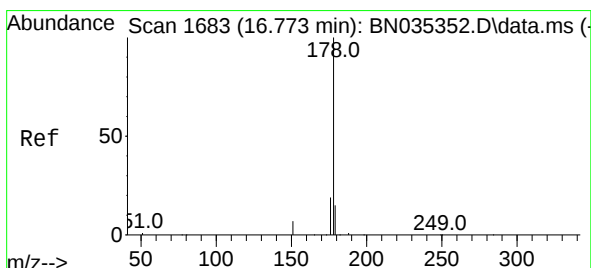
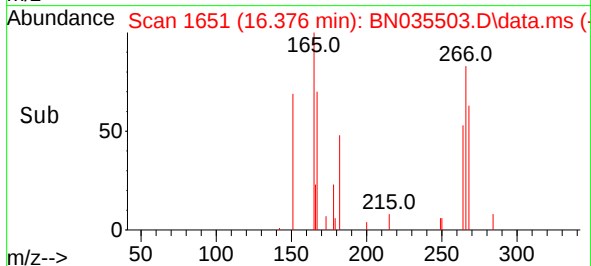
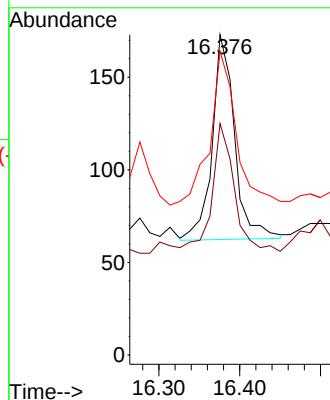
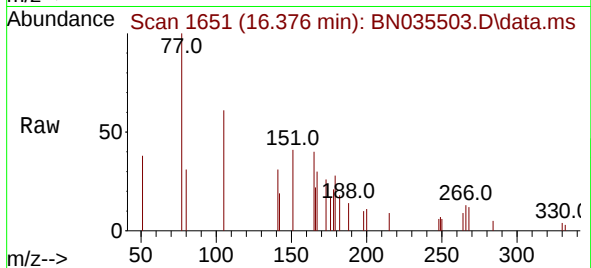
Tgt Ion:266 Resp: 214

Ion Ratio Lower Upper

266 100

264 68.7 42.3 63.5#

268 89.7 43.3 64.9#



#25

Phenanthrene

Concen: 0.029 ng

RT: 16.760 min Scan# 1682

Delta R.T. -0.012 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

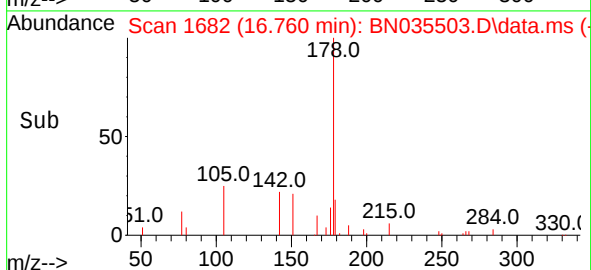
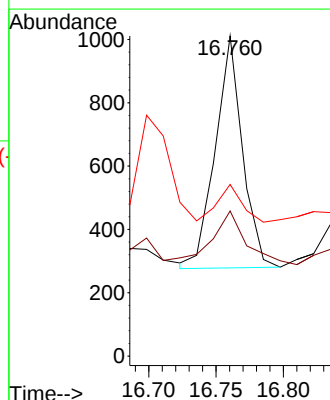
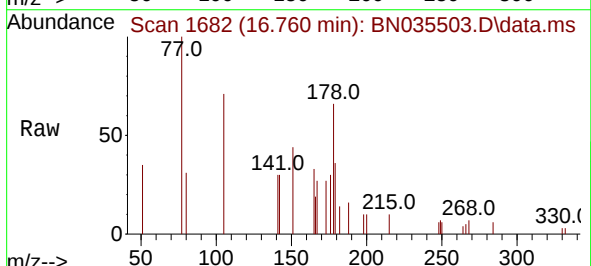
Tgt Ion:178 Resp: 1028

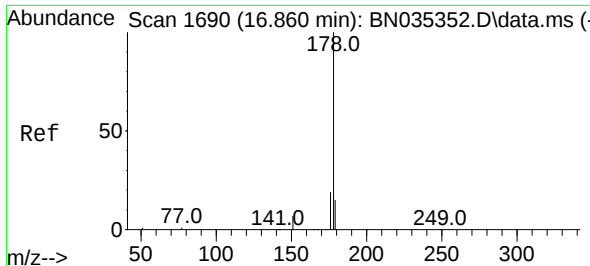
Ion Ratio Lower Upper

178 100

176 39.3 15.4 23.2#

179 25.5 12.3 18.5#





#26

Anthracene

Concen: 0.026 ng

RT: 16.847 min Scan# 1689

Delta R.T. -0.012 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

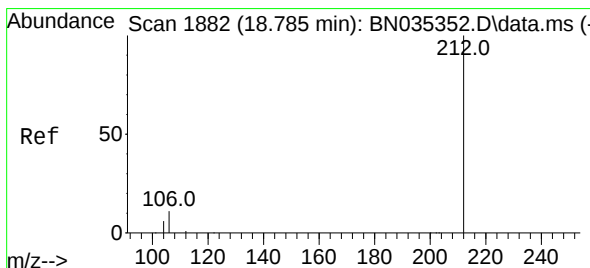
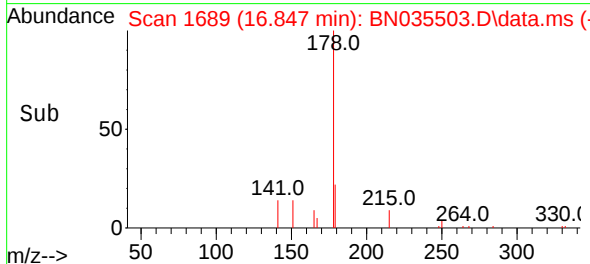
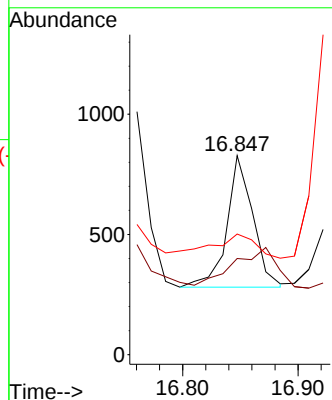
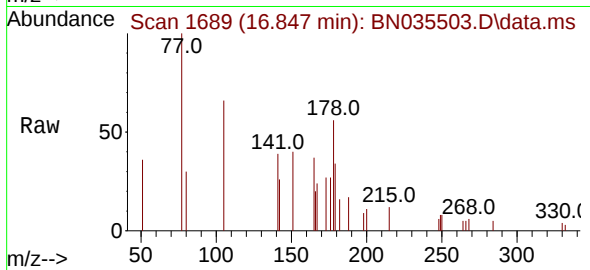
Tgt Ion:178 Resp: 859

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

179 29.7 12.6 18.8#



#27

Fluoranthene-d10

Concen: 0.419 ng

RT: 18.775 min Scan# 1880

Delta R.T. -0.009 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

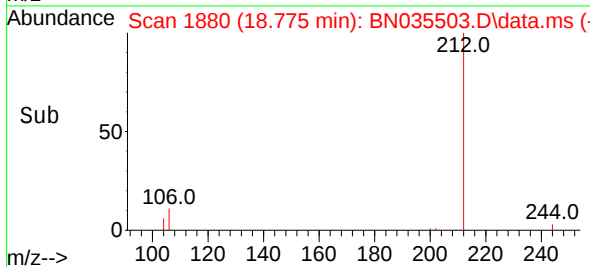
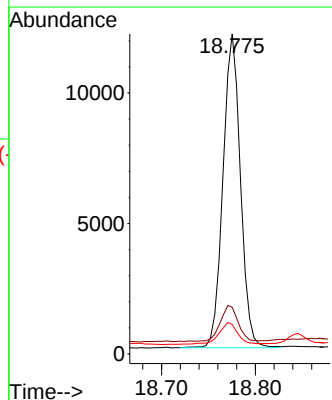
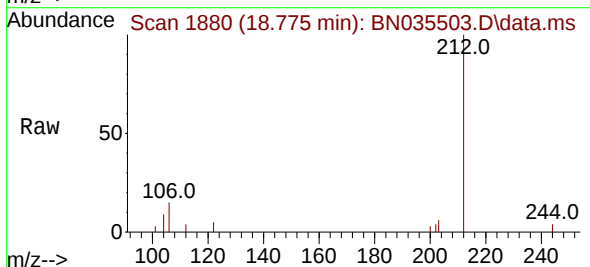
Tgt Ion:212 Resp: 15522

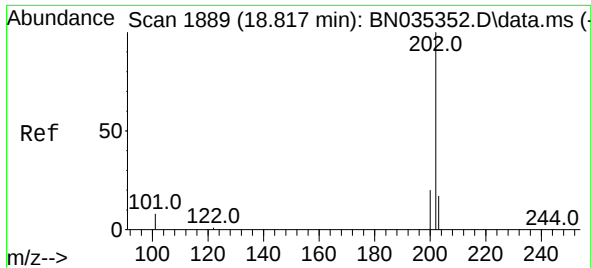
Ion Ratio Lower Upper

212 100

106 11.9 9.2 13.8

104 7.9 5.3 7.9

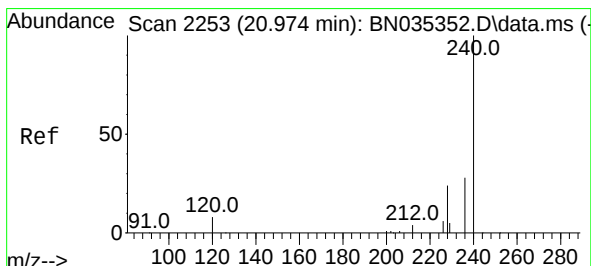
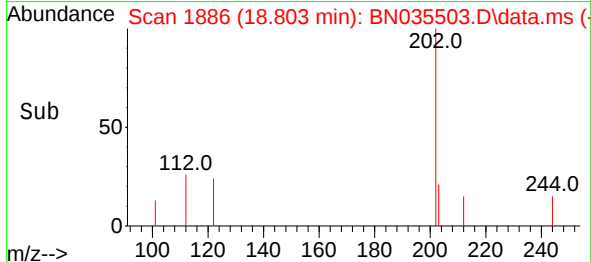
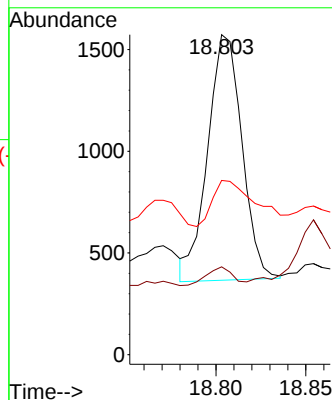
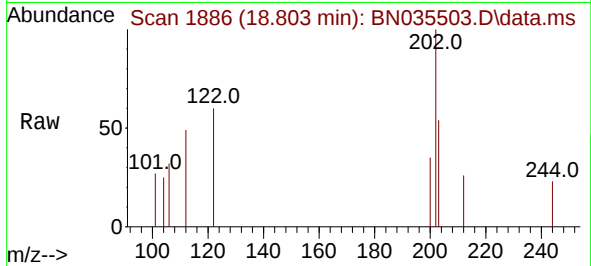




#28
Fluoranthene
Concen: 0.033 ng
RT: 18.803 min Scan# 1886
Delta R.T. -0.014 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

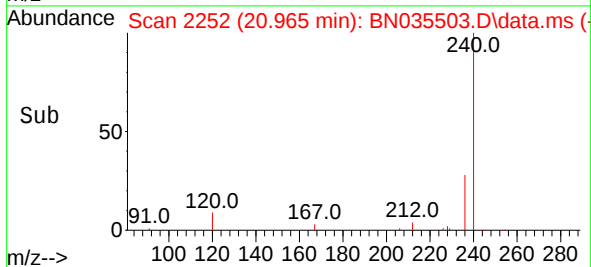
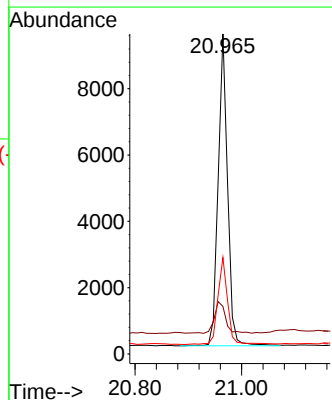
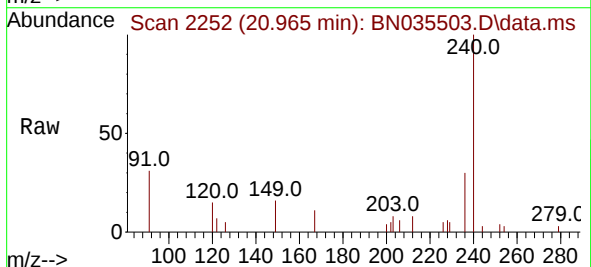
Instrument :
BNA_N
ClientSampleId :
TOWER-2

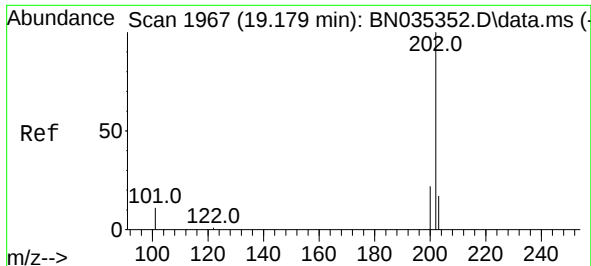
Tgt Ion:202 Resp: 1599
Ion Ratio Lower Upper
202 100
101 6.1 7.4 11.0#
203 24.3 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.965 min Scan# 2252
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:240 Resp: 11506
Ion Ratio Lower Upper
240 100
120 14.8 7.9 11.9#
236 30.1 22.9 34.3

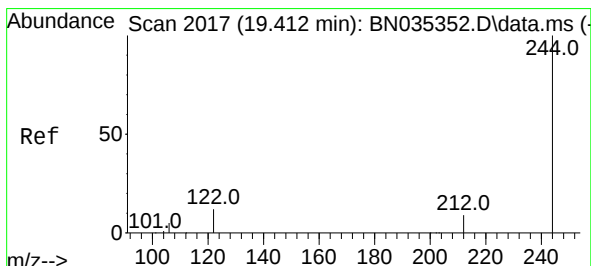
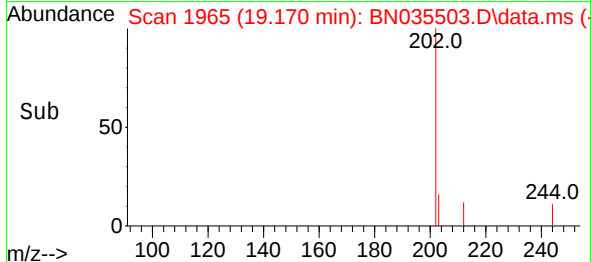
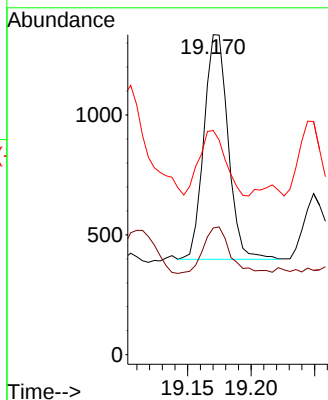
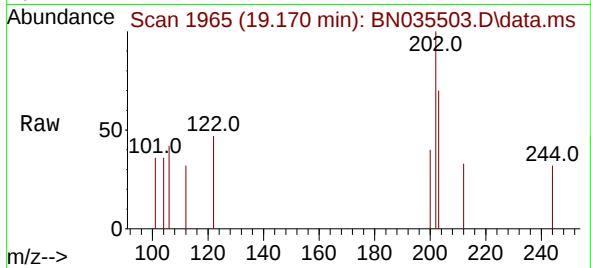




#30
Pyrene
Concen: 0.029 ng
RT: 19.170 min Scan# 1965
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

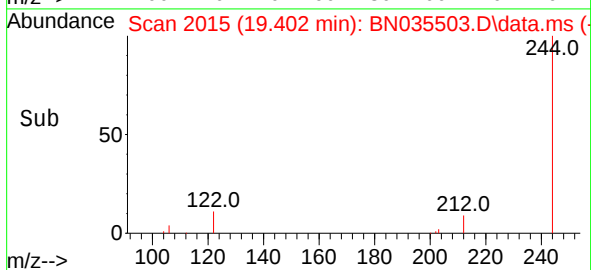
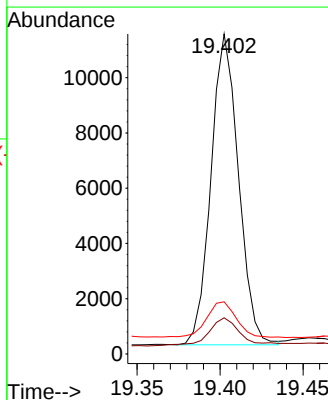
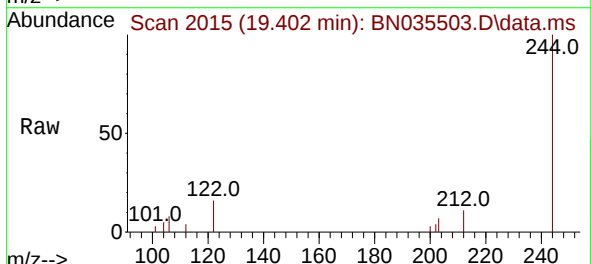
Instrument :
BNA_N
ClientSampleId :
TOWER-2

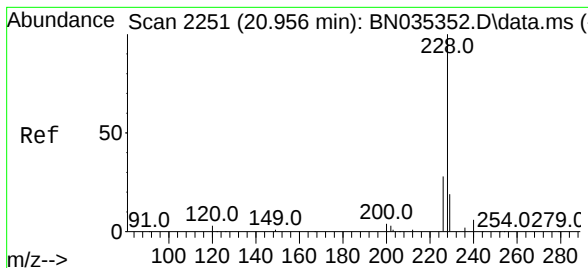
Tgt Ion:202 Resp: 1242
Ion Ratio Lower Upper
202 100
200 22.4 17.0 25.4
203 31.3 14.3 21.5#



#31
Terphenyl-d14
Concen: 0.571 ng
RT: 19.402 min Scan# 2015
Delta R.T. -0.009 min
Lab File: BN035503.D
Acq: 09 Dec 2024 12:52

Tgt Ion:244 Resp: 12958
Ion Ratio Lower Upper
244 100
212 11.3 8.1 12.1
122 16.3 10.3 15.5#





#32

Benzo(a)anthracene

Concen: 0.025 ng

RT: 20.947 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

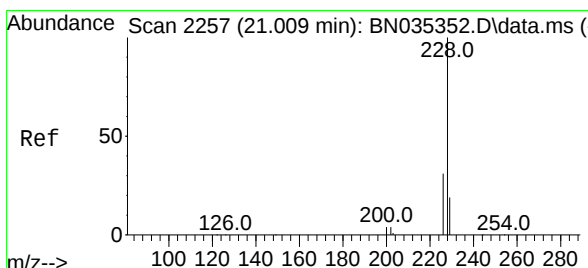
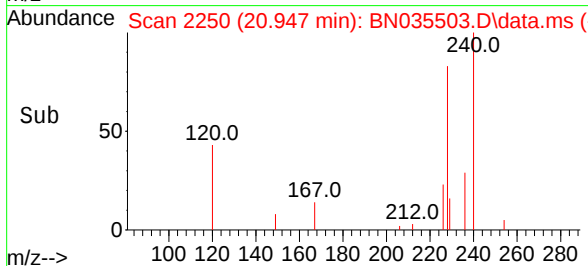
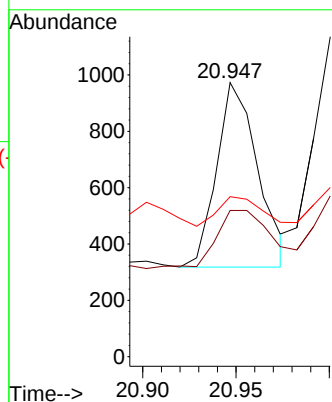
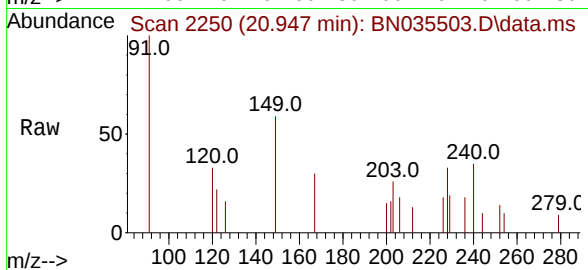
Tgt Ion:228 Resp: 1008

Ion Ratio Lower Upper

228 100

226 53.3 22.5 33.7#

229 58.4 15.8 23.8#



#33

Chrysene

Concen: 0.026 ng

RT: 21.000 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

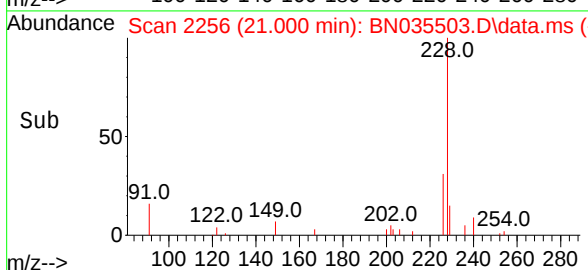
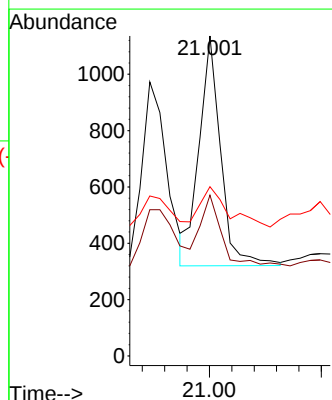
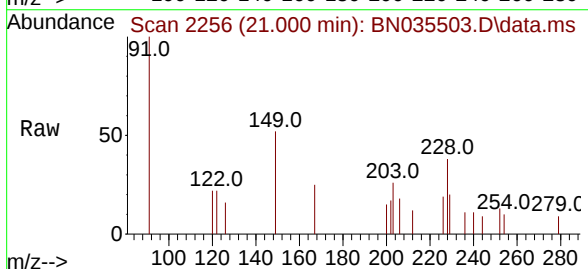
Tgt Ion:228 Resp: 1094

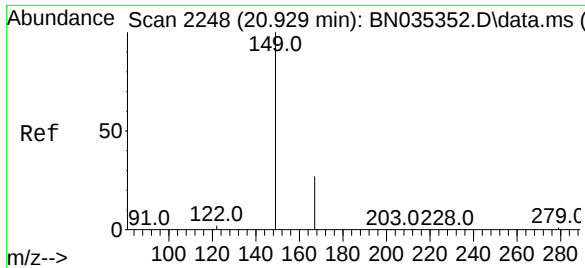
Ion Ratio Lower Upper

228 100

226 50.3 24.6 37.0#

229 52.9 15.9 23.9#

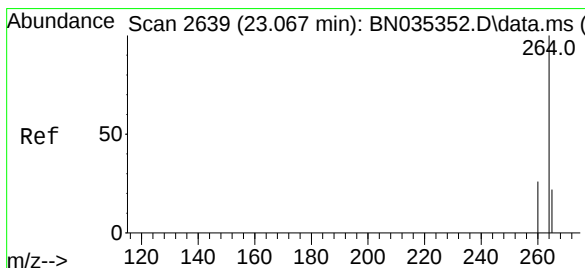
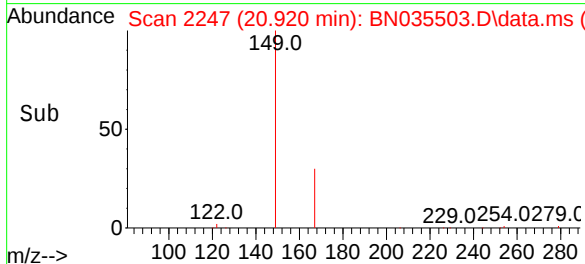
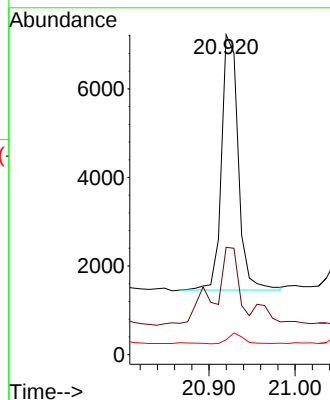
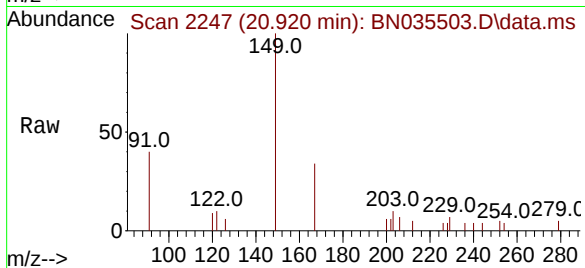




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.486 ng
 RT: 20.920 min Scan# 214
 Delta R.T. -0.009 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

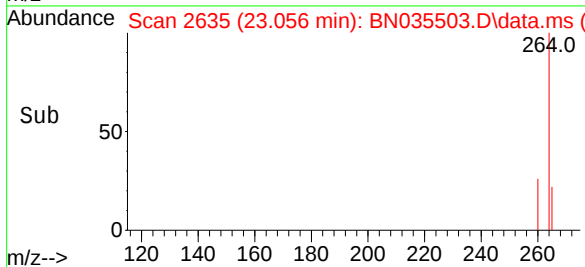
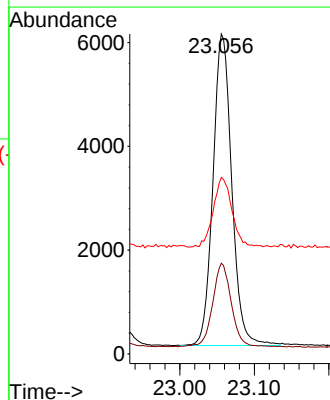
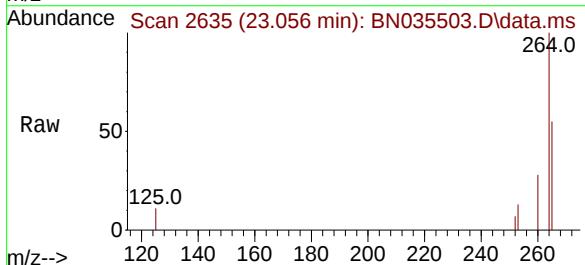
Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

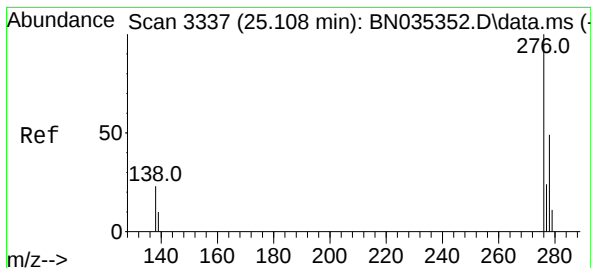
Tgt Ion:149 Resp: 7732
 Ion Ratio Lower Upper
 149 100
 167 42.8 22.2 33.4#
 279 3.9 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.056 min Scan# 2635
 Delta R.T. -0.012 min
 Lab File: BN035503.D
 Acq: 09 Dec 2024 12:52

Tgt Ion:264 Resp: 10509
 Ion Ratio Lower Upper
 264 100
 260 28.4 21.4 32.2
 265 55.2 40.2 60.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.021 ng

RT: 25.091 min Scan# 3331

Delta R.T. -0.018 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2

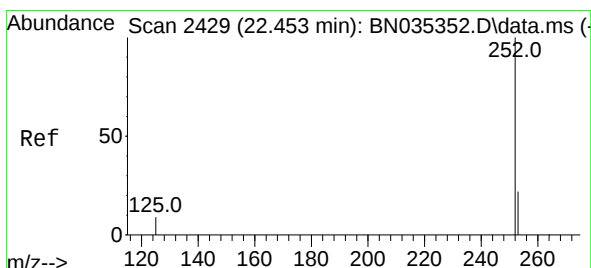
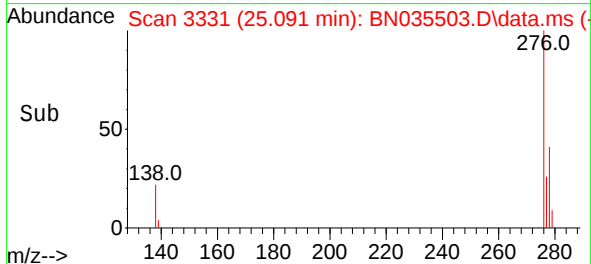
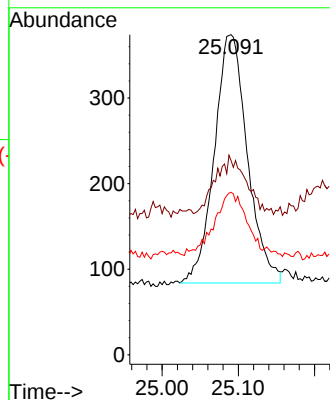
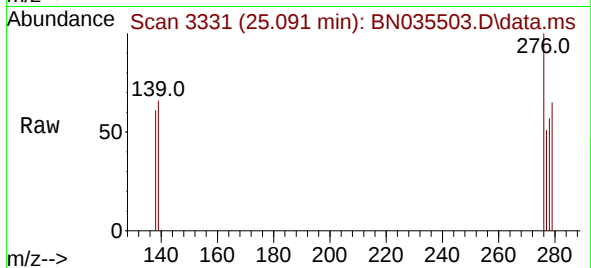
Tgt Ion:276 Resp: 876

Ion Ratio Lower Upper

276 100

138 22.0 19.4 29.0

277 24.7 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.033 ng

RT: 22.445 min Scan# 2426

Delta R.T. -0.009 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

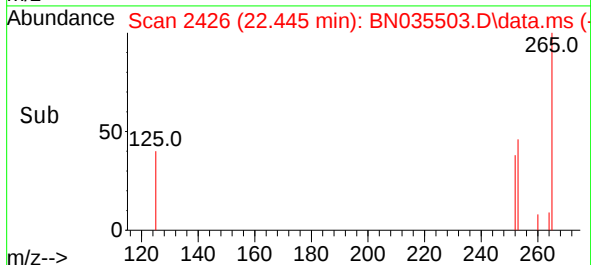
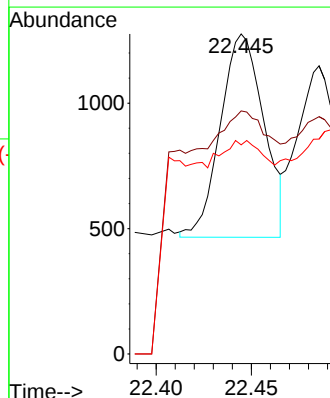
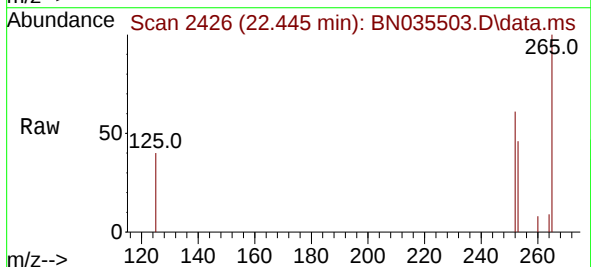
Tgt Ion:252 Resp: 1285

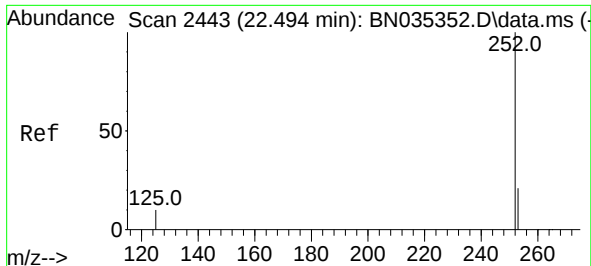
Ion Ratio Lower Upper

252 100

253 75.9 19.6 29.4#

125 65.4 9.6 14.4#





#38

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 22.486 min Scan# 2443

Delta R.T. -0.009 min

Lab File: BN035503.D

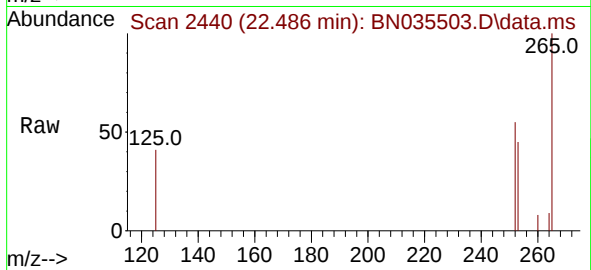
Acq: 09 Dec 2024 12:52

Instrument :

BNA_N

ClientSampleId :

TOWER-2



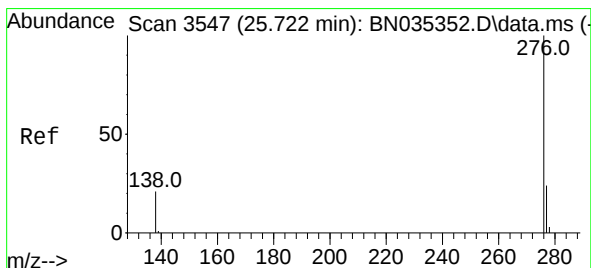
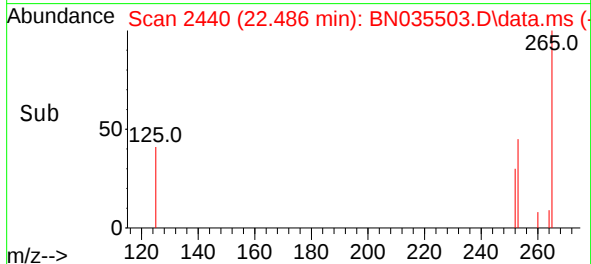
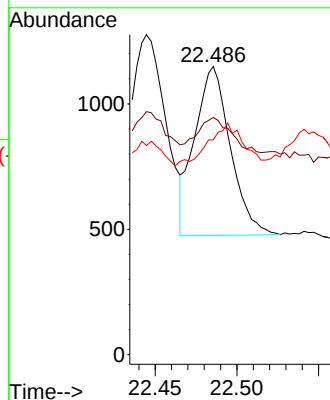
Tgt Ion:252 Resp: 1023

Ion Ratio Lower Upper

252 100

253 82.3 19.5 29.3#

125 74.6 10.2 15.4#



#41

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 25.707 min Scan# 3542

Delta R.T. -0.015 min

Lab File: BN035503.D

Acq: 09 Dec 2024 12:52

Tgt Ion:276 Resp: 685

Ion Ratio Lower Upper

276 100

277 55.9 19.9 29.9#

138 68.1 17.8 26.8#

