

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120924\
 Data File : BN035502.D
 Acq On : 09 Dec 2024 12:16
 Operator : RC/JU
 Sample : P5142-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TOWER-1

Quant Time: Dec 09 13:27:10 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)

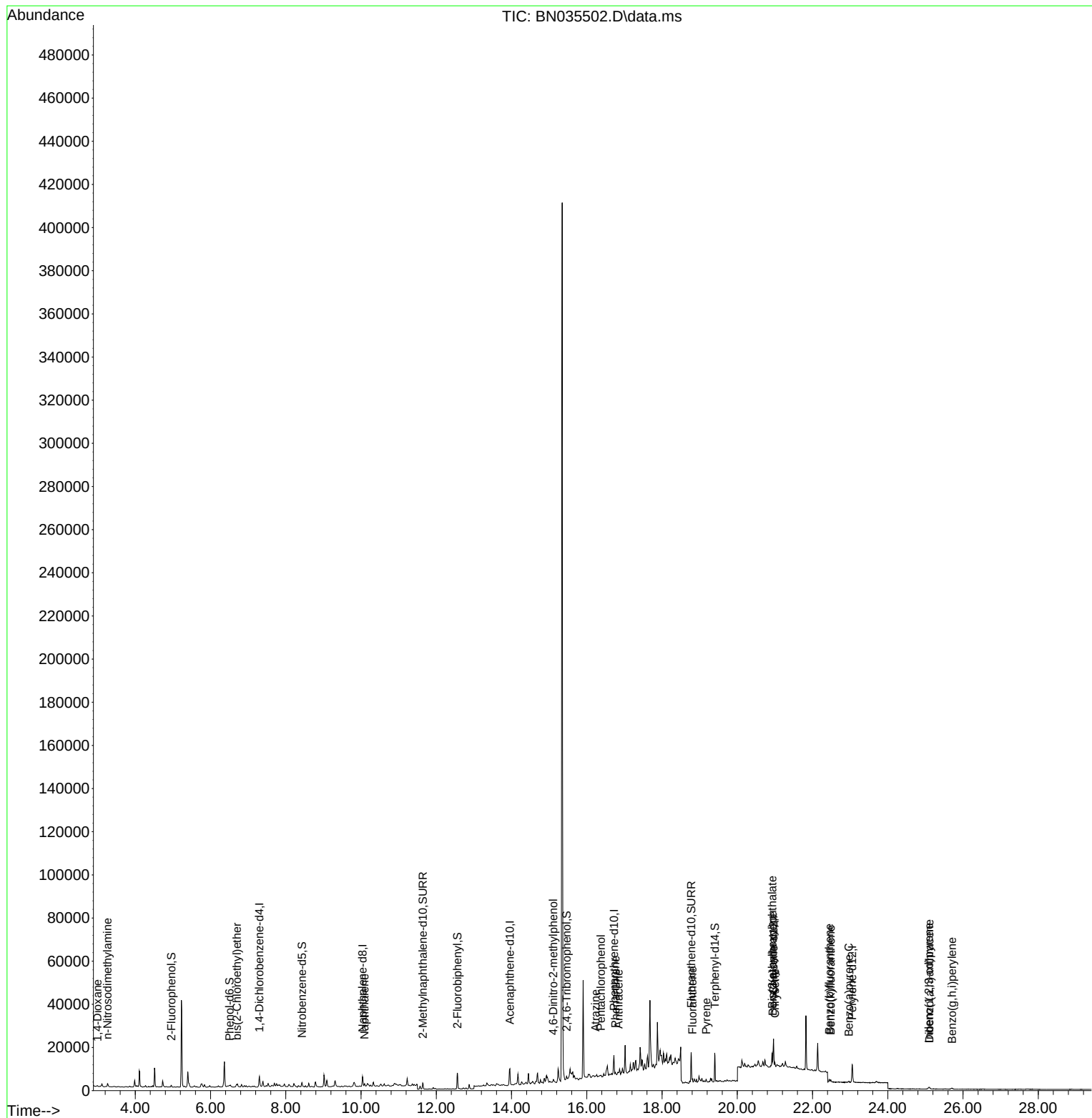
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.300	152	2170	0.400	ng	0.00
7) Naphthalene-d8	10.041	136	5734	0.400	ng	-0.01
13) Acenaphthene-d10	13.956	164	4922	0.400	ng	-0.01
19) Phenanthrene-d10	16.723	188	11976	0.400	ng	#-0.01
29) Chrysene-d12	20.964	240	11160	0.400	ng	# 0.00
35) Perylene-d12	23.055	264	10129	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.960	112	704	0.130	ng	0.00
5) Phenol-d6	6.506	99	579	0.089	ng	0.00
8) Nitrobenzene-d5	8.429	82	1874	0.535	ng	-0.01
11) 2-Methylnaphthalene-d10	11.641	152	3824	0.426	ng	-0.02
14) 2,4,6-Tribromophenol	15.464	330	1258	0.360	ng	-0.01
15) 2-Fluorobiphenyl	12.564	172	6512	0.350	ng	-0.01
27) Fluoranthene-d10	18.775	212	15399	0.454	ng	0.00
31) Terphenyl-d14	19.402	244	12062	0.548	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.996	88	410	0.198	ng	# 22
3) n-Nitrosodimethylamine	3.263	42	235	0.136	ng	# 1
6) bis(2-Chloroethyl)ether	6.701	93	318	0.058	ng	# 38
9) Naphthalene	10.094	128	520	0.034	ng	# 64
20) 4,6-Dinitro-2-methylph...	15.111	198	189	0.160	ng	# 1
23) Atrazine	16.226	200	194	0.039	ng	# 3
24) Pentachlorophenol	16.375	266	356	0.099	ng	88
25) Phenanthrene	16.760	178	776	0.024	ng	# 66
26) Anthracene	16.847	178	742	0.025	ng	# 59
28) Fluoranthene	18.808	202	1072	0.024	ng	# 89
30) Pyrene	19.175	202	1041	0.025	ng	# 94
32) Benzo(a)anthracene	20.946	228	1331	0.034	ng	# 59
33) Chrysene	21.000	228	1514	0.038	ng	# 66
34) Bis(2-ethylhexyl)phtha...	20.929	149	6307	0.409	ng	# 68
36) Indeno(1,2,3-cd)pyrene	25.090	276	1211	0.031	ng	98
37) Benzo(b)fluoranthene	22.444	252	1616	0.044	ng	# 16
38) Benzo(k)fluoranthene	22.485	252	1332	0.037	ng	# 4
39) Benzo(a)pyrene	22.965	252	825	0.027	ng	# 1
40) Dibenzo(a,h)anthracene	25.105	278	825	0.026	ng	# 12
41) Benzo(g,h,i)perylene	25.707	276	968	0.030	ng	# 56

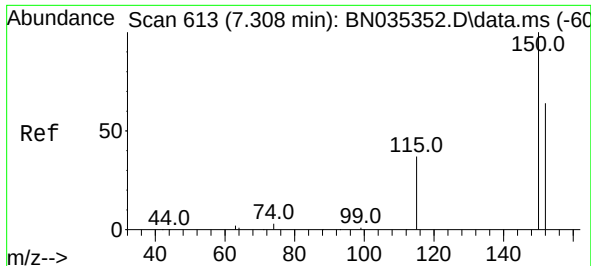
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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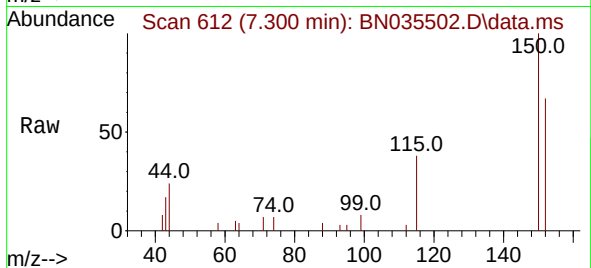
Quant Time: Dec 09 13:27:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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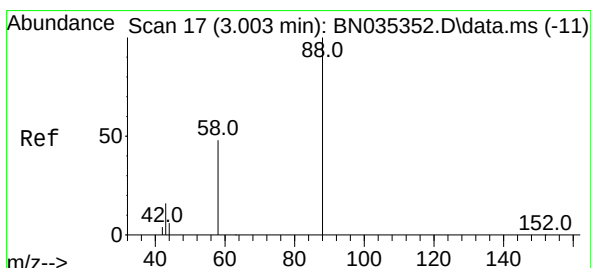
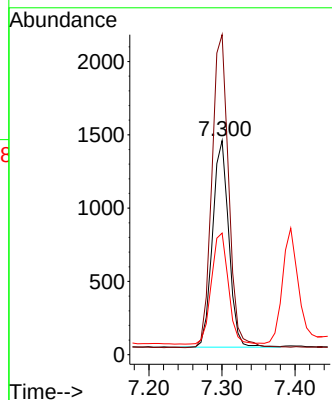
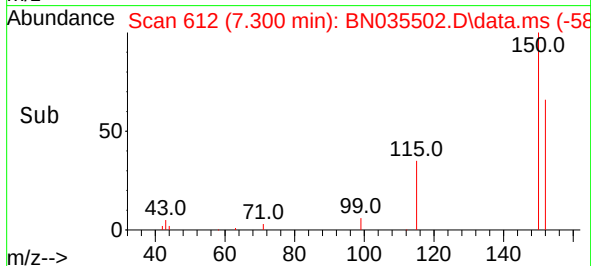


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.300 min Scan# 61
 Delta R.T. -0.008 min
 Lab File: BN035502.D
 Acq: 09 Dec 2024 12:16

Instrument :
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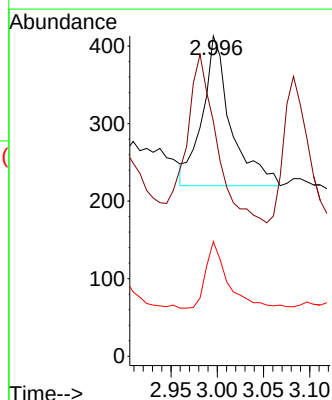
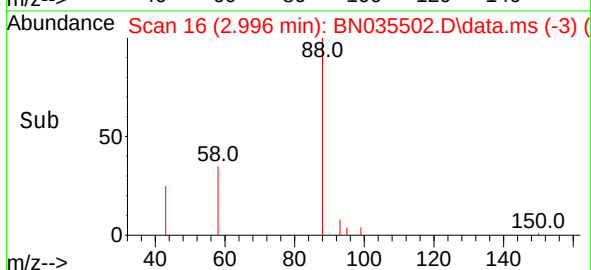
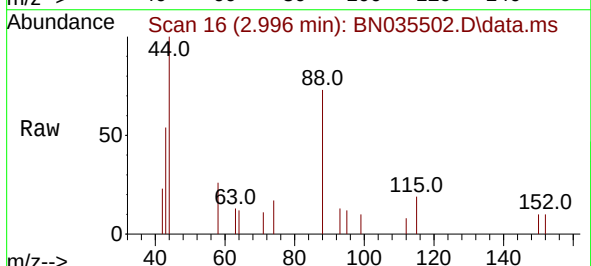


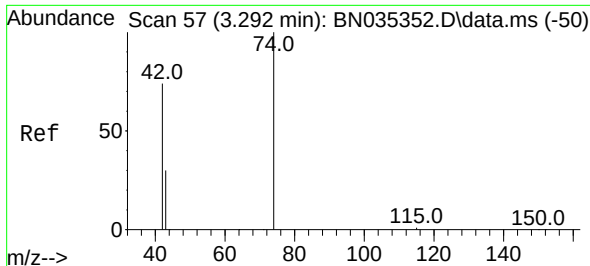
Tgt Ion:152 Resp: 2170
 Ion Ratio Lower Upper
 152 100
 150 149.4 124.0 186.0
 115 56.8 49.6 74.4



#2
 1,4-Dioxane
 Concen: 0.198 ng
 RT: 2.996 min Scan# 16
 Delta R.T. -0.007 min
 Lab File: BN035502.D
 Acq: 09 Dec 2024 12:16

Tgt Ion: 88 Resp: 410
 Ion Ratio Lower Upper
 88 100
 43 117.3 17.2 25.8#
 58 34.1 44.5 66.7#

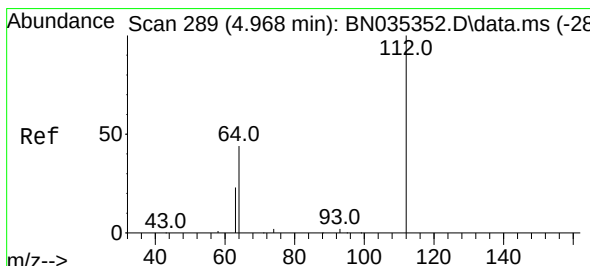
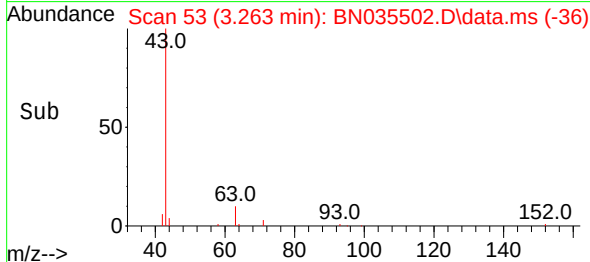
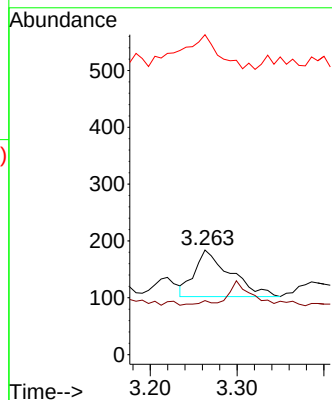
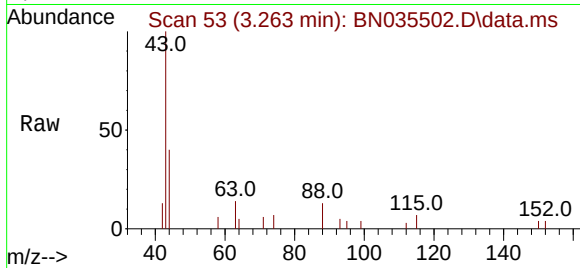




#3
n-Nitrosodimethylamine
Concen: 0.136 ng
RT: 3.263 min Scan# 51
Delta R.T. -0.029 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

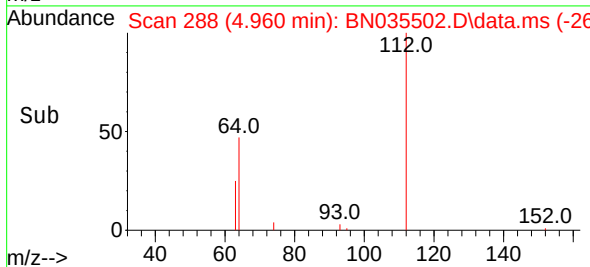
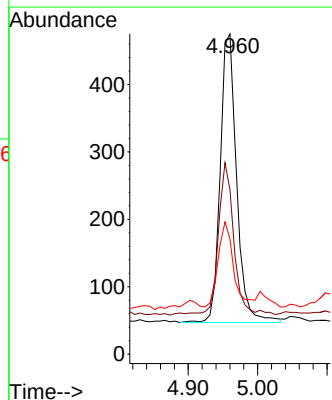
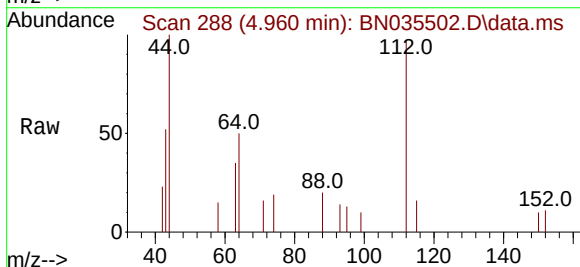
Instrument :
BNA_N
ClientSampleId :
TOWER-1

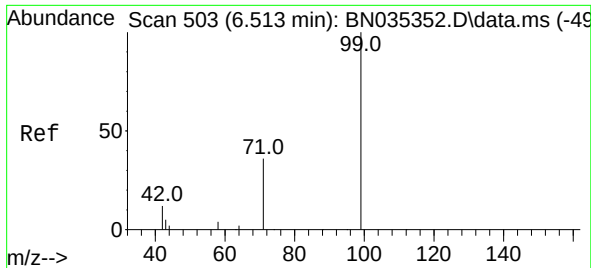
Tgt Ion: 42 Resp: 235
Ion Ratio Lower Upper
42 100
74 0.0 124.9 187.3#
44 83.0 2.2 3.4#



#4
2-Fluorophenol
Concen: 0.130 ng
RT: 4.960 min Scan# 288
Delta R.T. -0.008 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion: 112 Resp: 704
Ion Ratio Lower Upper
112 100
64 50.4 39.8 59.8
63 28.1 21.0 31.6

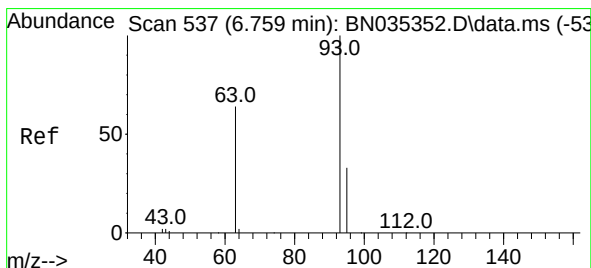
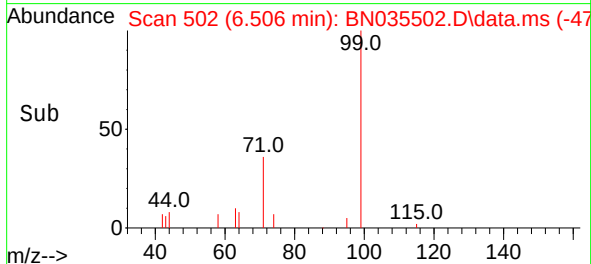
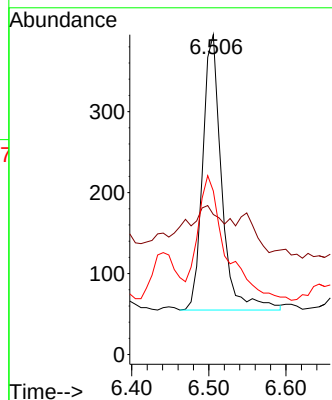
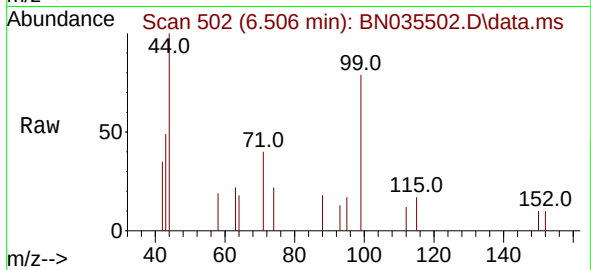




#5
Phenol-d6
Concen: 0.089 ng
RT: 6.506 min Scan# 503
Delta R.T. -0.008 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

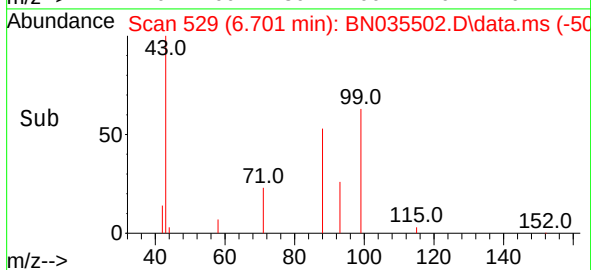
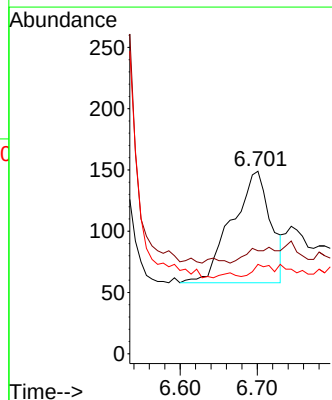
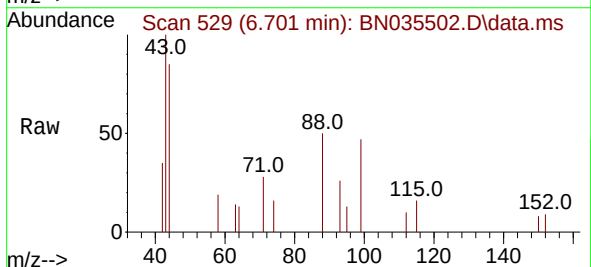
Instrument :
BNA_N
ClientSampleId :
TOWER-1

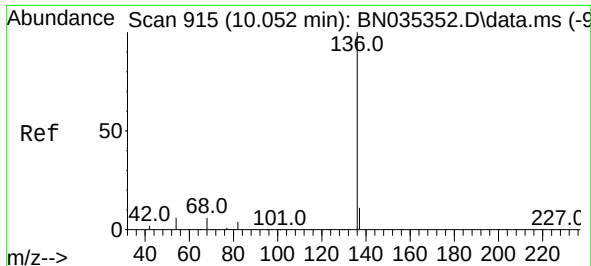
Tgt Ion: 99 Resp: 579
Ion Ratio Lower Upper
99 100
42 25.2 11.4 17.2#
71 67.4 29.3 43.9#



#6
bis(2-Chloroethyl)ether
Concen: 0.058 ng
RT: 6.701 min Scan# 529
Delta R.T. -0.058 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion: 93 Resp: 318
Ion Ratio Lower Upper
93 100
63 9.4 50.4 75.6#
95 5.0 25.7 38.5#

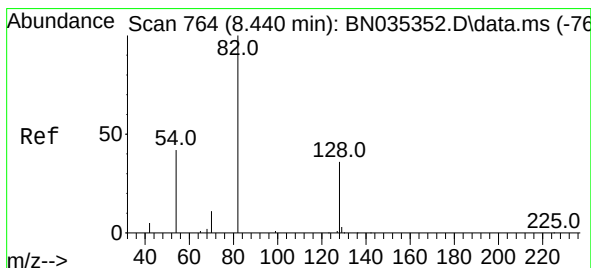
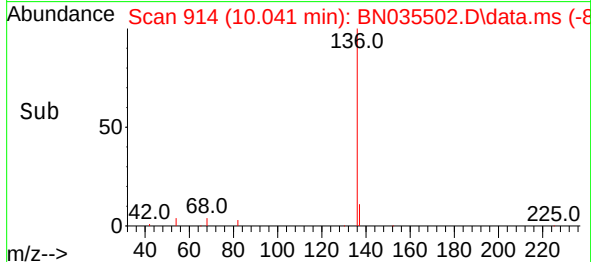
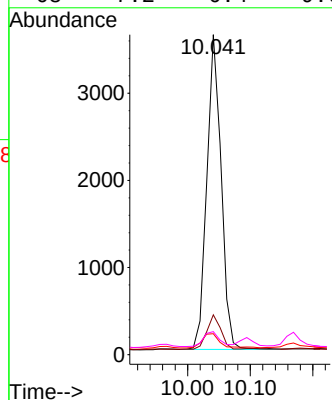
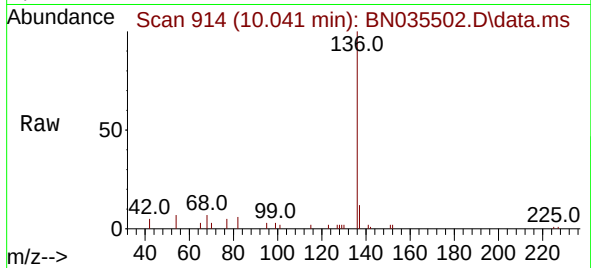




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.041 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

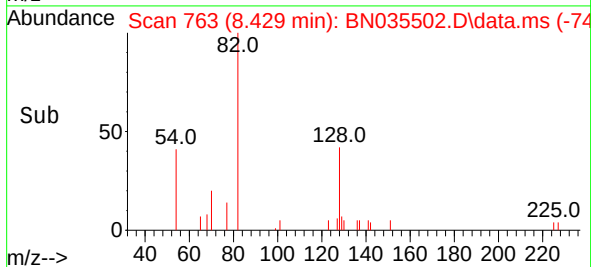
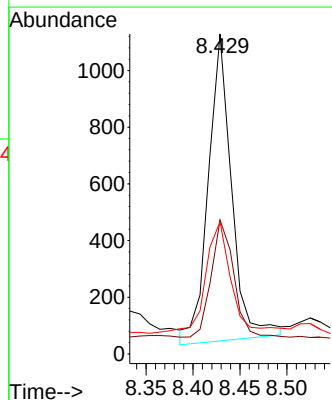
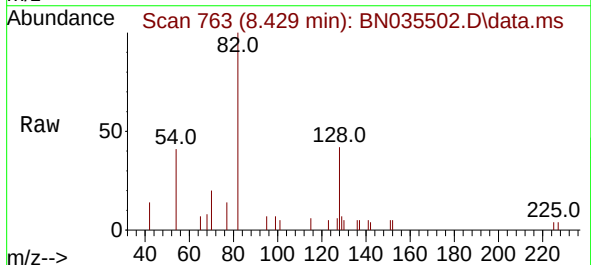
Instrument :
BNA_N
ClientSampleId :
TOWER-1

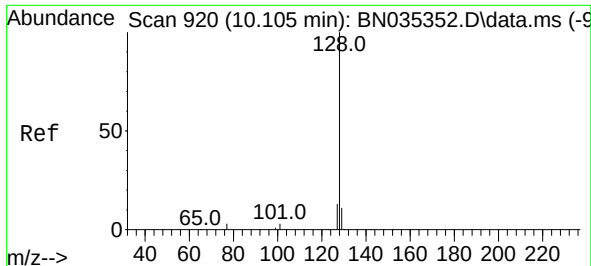
Tgt Ion:136	Resp:	5734
Ion Ratio	Lower	Upper
136	100	
137	12.5	10.2 15.2
54	6.5	6.1 9.1
68	7.2	6.4 9.6



#8
Nitrobenzene-d5
Concen: 0.535 ng
RT: 8.429 min Scan# 763
Delta R.T. -0.011 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion: 82	Resp:	1874
Ion Ratio	Lower	Upper
82	100	
128	41.9	33.4 50.0
54	41.4	36.7 55.1

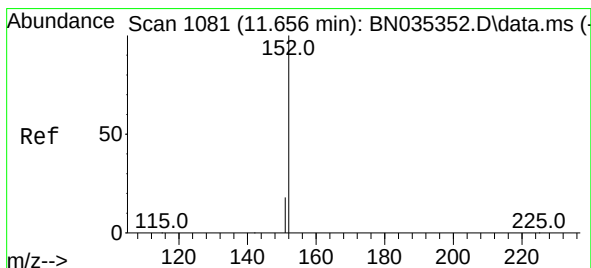
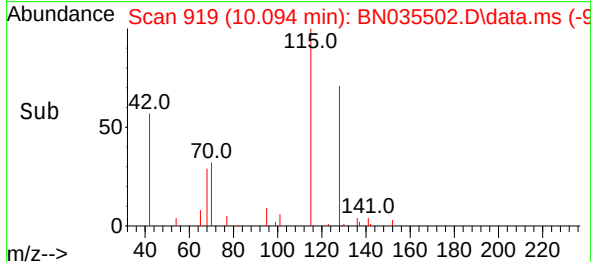
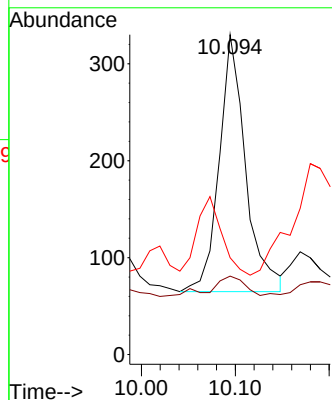
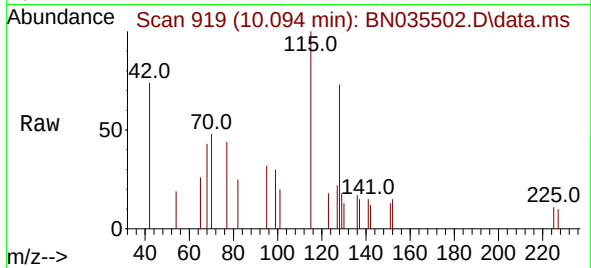




#9
Naphthalene
Concen: 0.034 ng
RT: 10.094 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

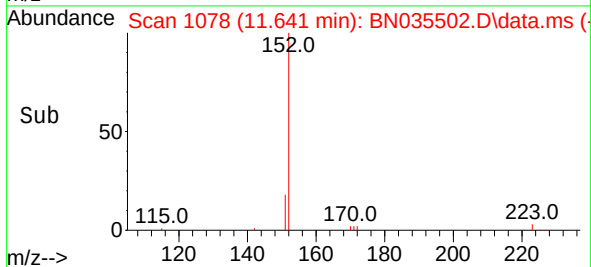
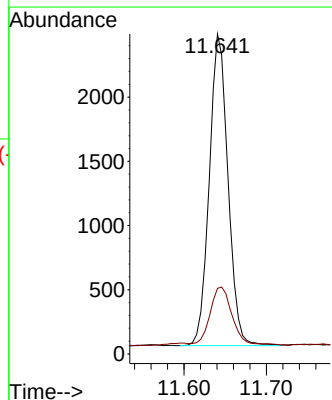
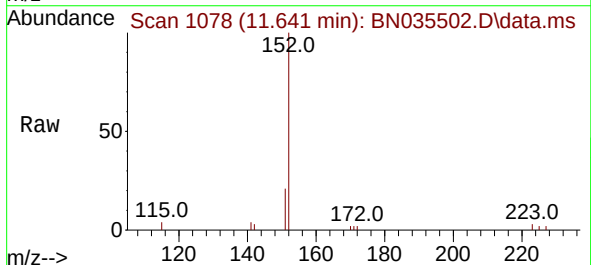
Instrument :
BNA_N
ClientSampleId :
TOWER-1

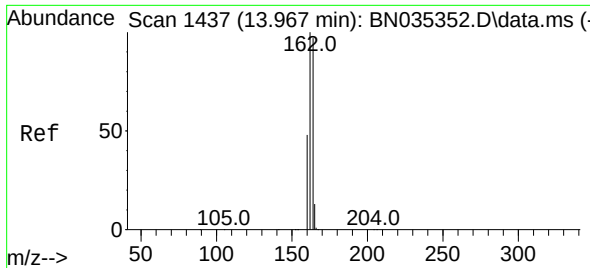
Tgt Ion:128 Resp: 520
Ion Ratio Lower Upper
128 100
129 24.5 9.8 14.6#
127 30.3 11.4 17.2#



#11
2-Methylnaphthalene-d10
Concen: 0.426 ng
RT: 11.641 min Scan# 1078
Delta R.T. -0.015 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion:152 Resp: 3824
Ion Ratio Lower Upper
152 100
151 22.5 16.6 25.0

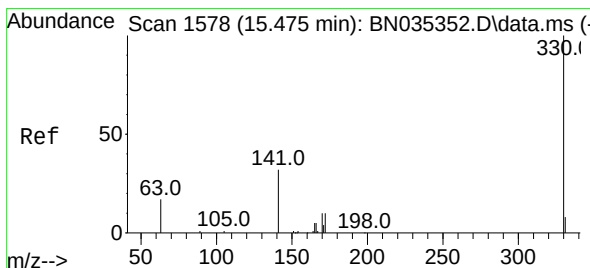
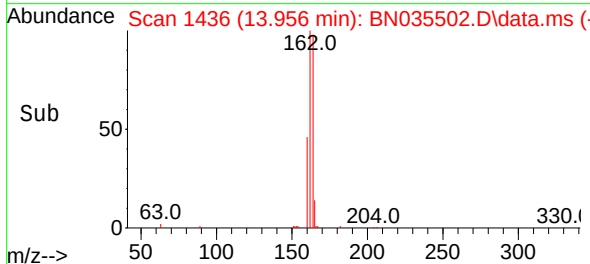
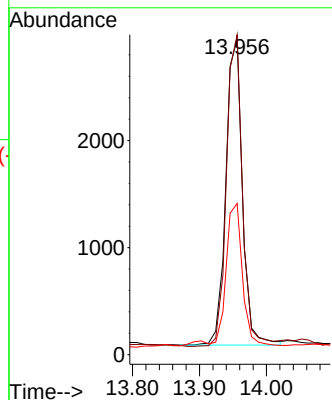
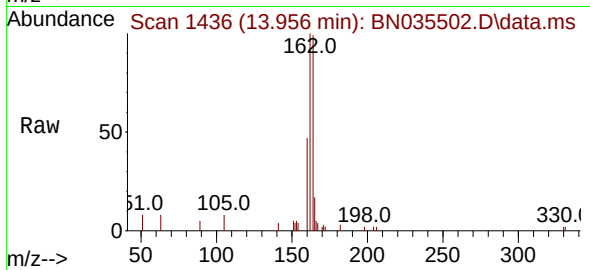




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.956 min Scan# 1436
Delta R.T. -0.011 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

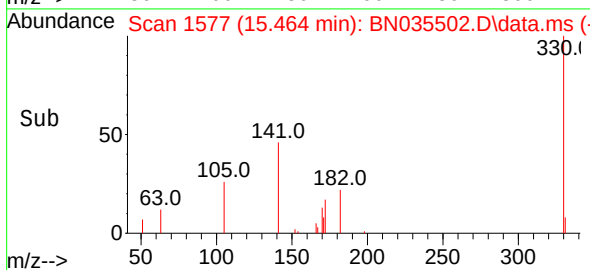
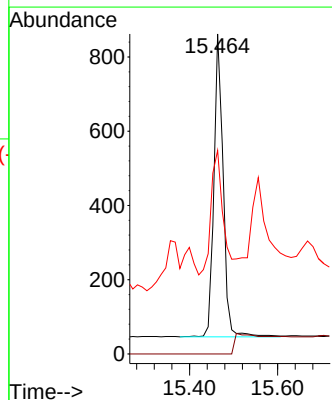
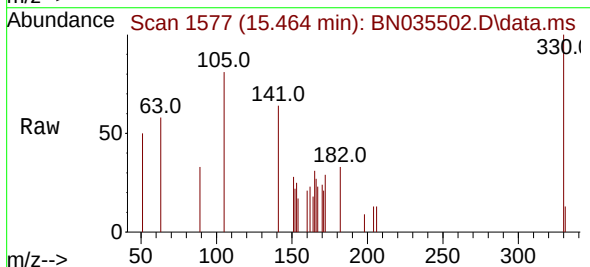
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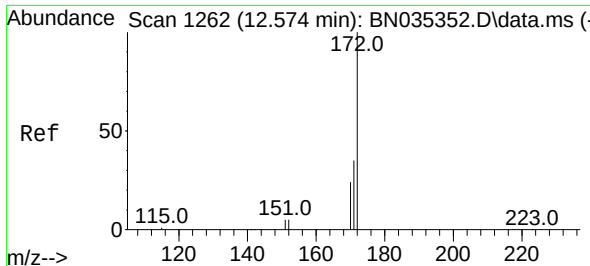
Tgt Ion:164 Resp: 4922
Ion Ratio Lower Upper
164 100
162 101.3 82.2 123.2
160 47.9 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 15.464 min Scan# 1577
Delta R.T. -0.011 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion:330 Resp: 1258
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 52.9 26.6 40.0#





#15

2-Fluorobiphenyl

Concen: 0.350 ng

RT: 12.564 min Scan# 1679

Delta R.T. -0.010 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1

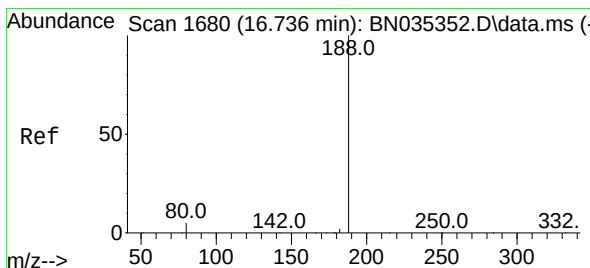
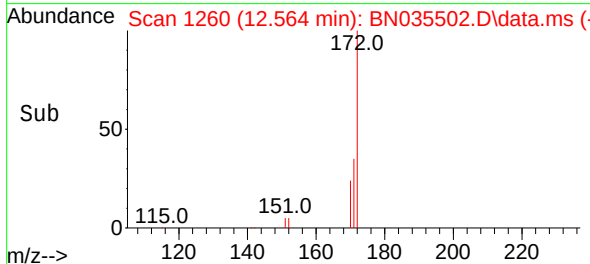
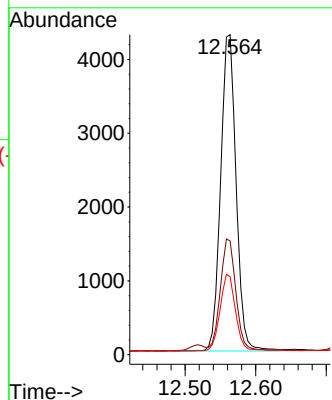
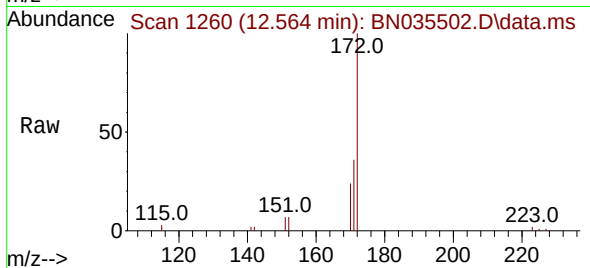
Tgt Ion:172 Resp: 6512

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.4

170 24.4 19.8 29.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.723 min Scan# 1679

Delta R.T. -0.013 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

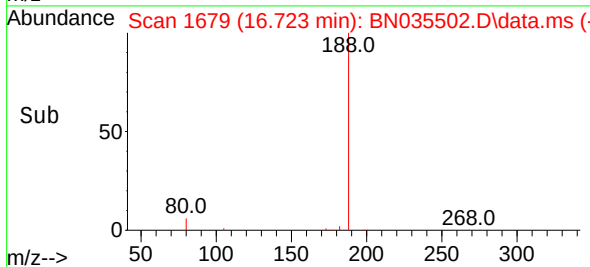
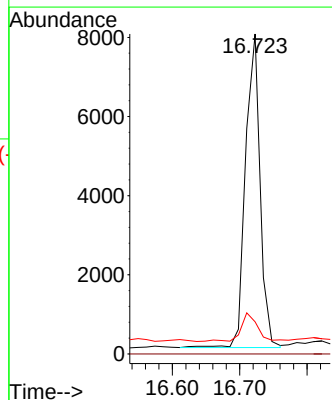
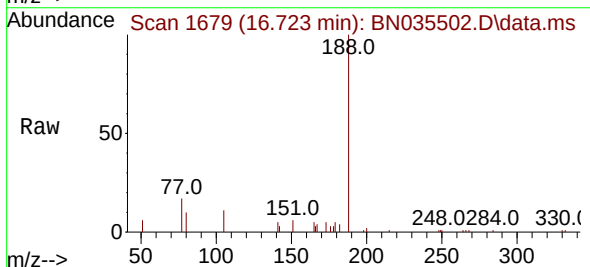
Tgt Ion:188 Resp: 11976

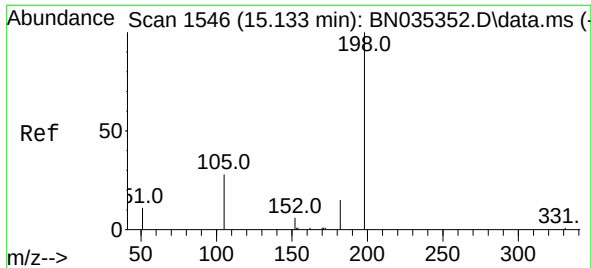
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 4.6 6.8#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.160 ng

RT: 15.111 min Scan# 1544

Delta R.T. -0.022 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1

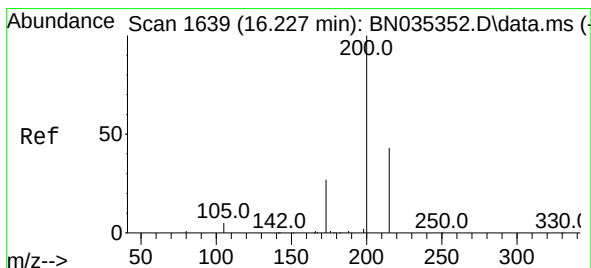
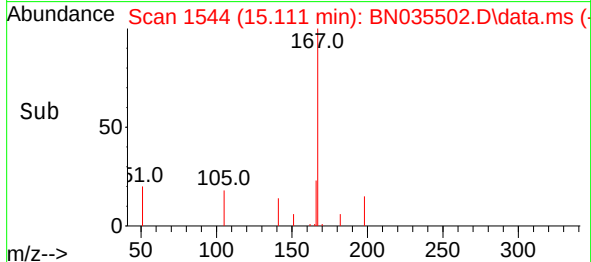
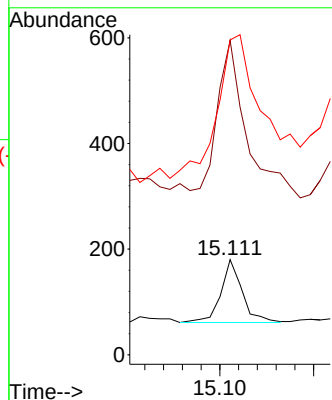
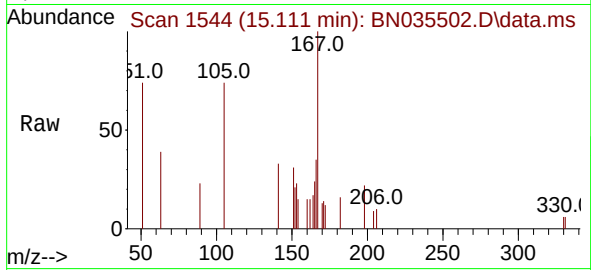
Tgt Ion:198 Resp: 189

Ion Ratio Lower Upper

198 100

51 330.6 46.5 69.7#

105 331.1 45.3 67.9#



#23

Atrazine

Concen: 0.039 ng

RT: 16.226 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

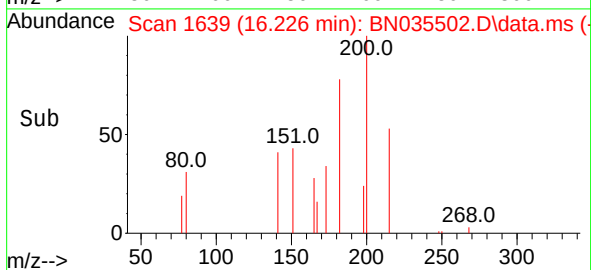
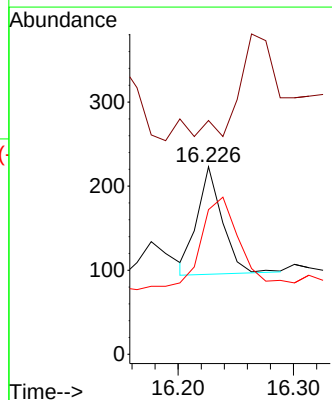
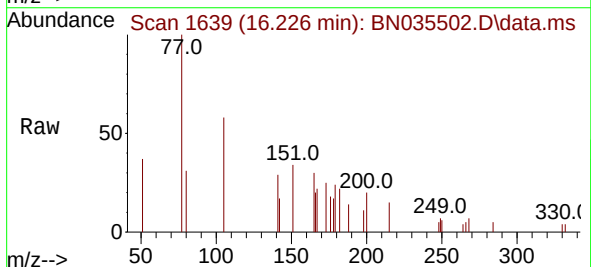
Tgt Ion:200 Resp: 194

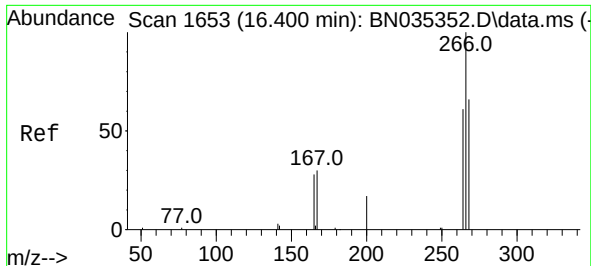
Ion Ratio Lower Upper

200 100

173 124.7 24.1 36.1#

215 77.1 36.9 55.3#

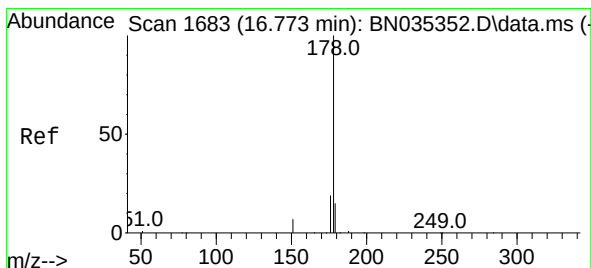
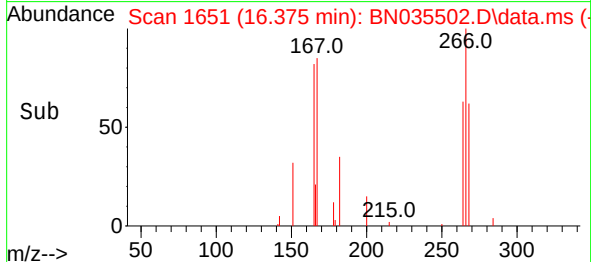
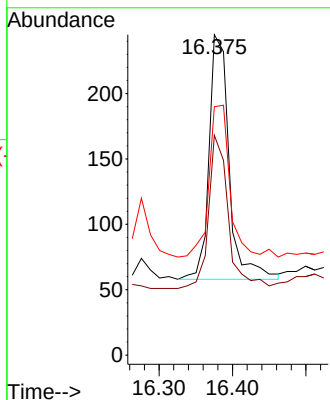
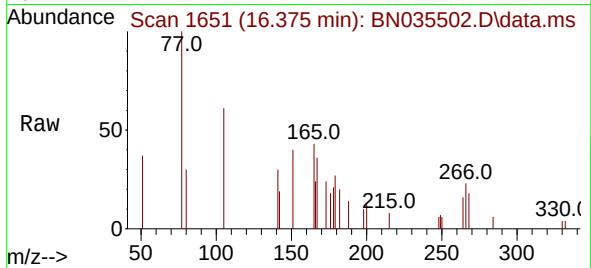




#24
Pentachlorophenol
Concen: 0.099 ng
RT: 16.375 min Scan# 1651
Delta R.T. -0.025 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

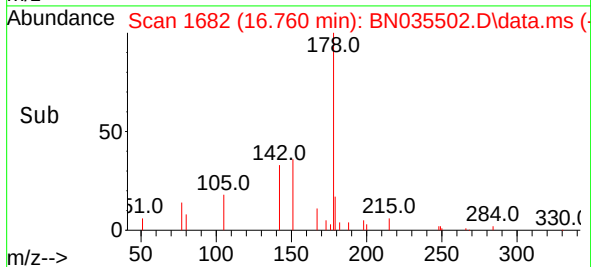
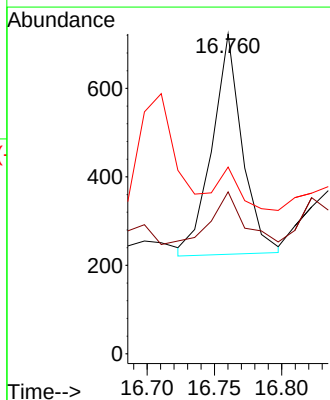
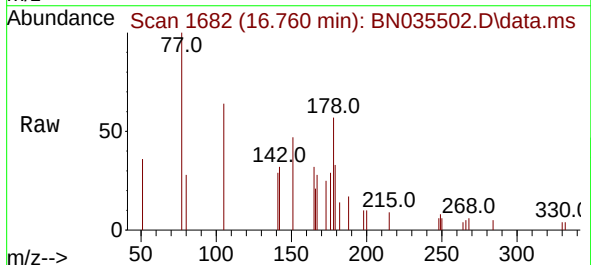
Instrument :
BNA_N
ClientSampleId :
TOWER-1

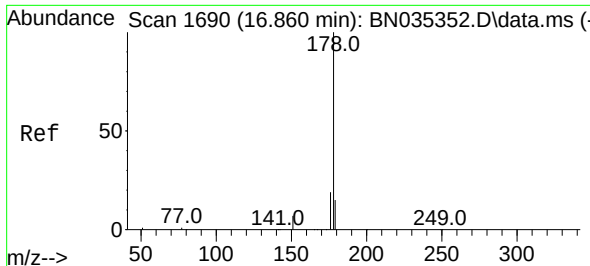
Tgt Ion:266 Resp: 356
Ion Ratio Lower Upper
266 100
264 61.2 42.3 63.5
268 63.5 43.3 64.9



#25
Phenanthrene
Concen: 0.024 ng
RT: 16.760 min Scan# 1682
Delta R.T. -0.013 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion:178 Resp: 776
Ion Ratio Lower Upper
178 100
176 33.8 15.4 23.2#
179 0.0 12.3 18.5#





#26

Anthracene

Concen: 0.025 ng

RT: 16.847 min Scan# 1689

Delta R.T. -0.013 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1

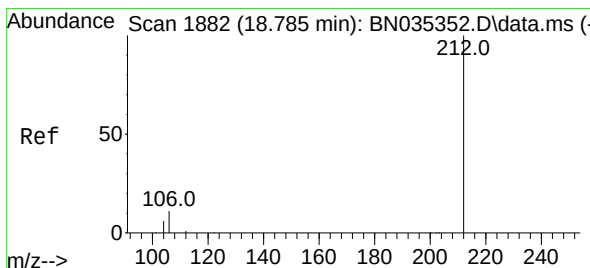
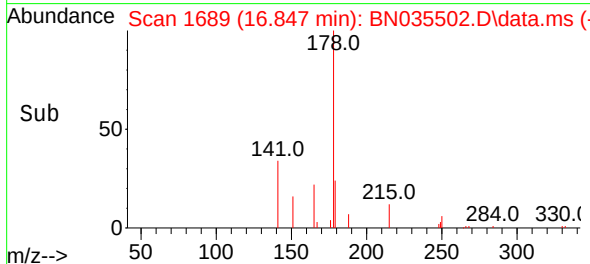
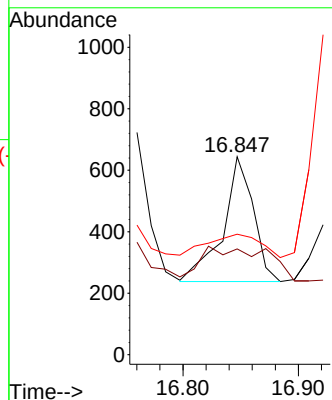
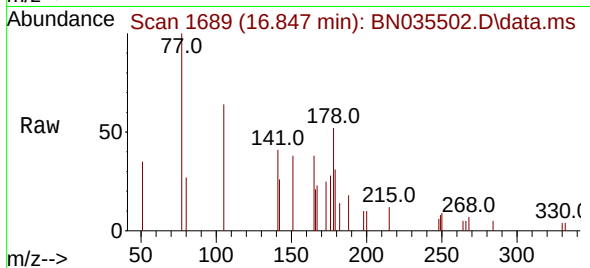
Tgt Ion:178 Resp: 742

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.6#

179 32.6 12.6 18.8#



#27

Fluoranthene-d10

Concen: 0.454 ng

RT: 18.775 min Scan# 1880

Delta R.T. -0.010 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

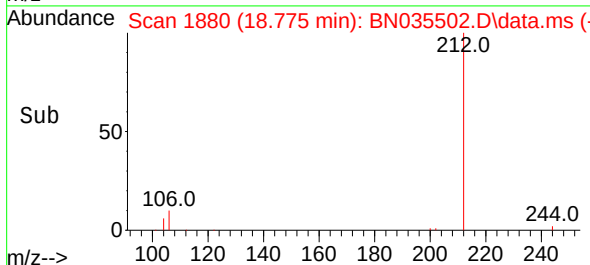
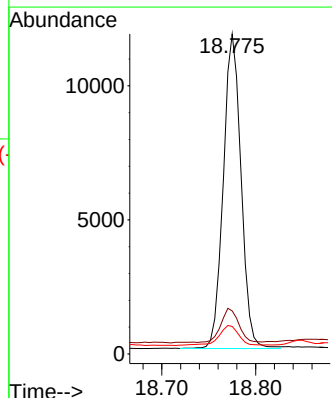
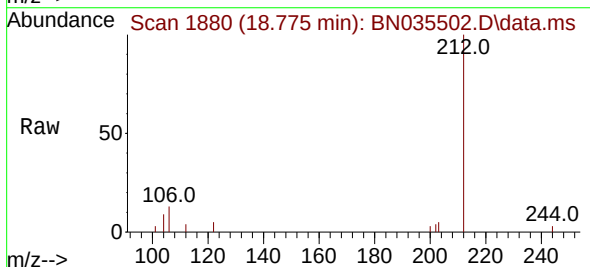
Tgt Ion:212 Resp: 15399

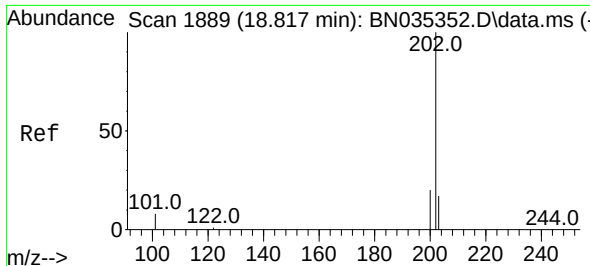
Ion Ratio Lower Upper

212 100

106 11.6 9.2 13.8

104 7.1 5.3 7.9

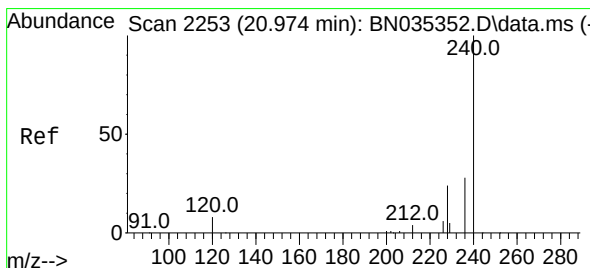
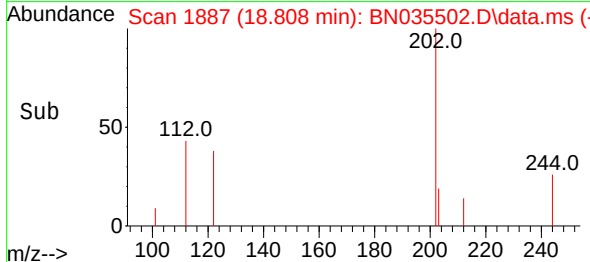
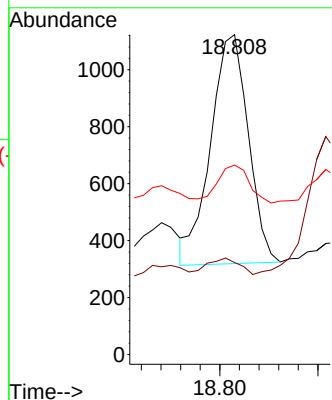
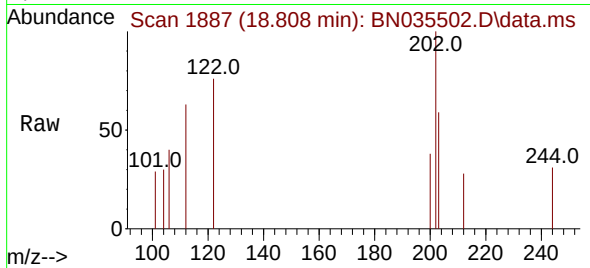




#28
Fluoranthene
Concen: 0.024 ng
RT: 18.808 min Scan# 1887
Delta R.T. -0.010 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

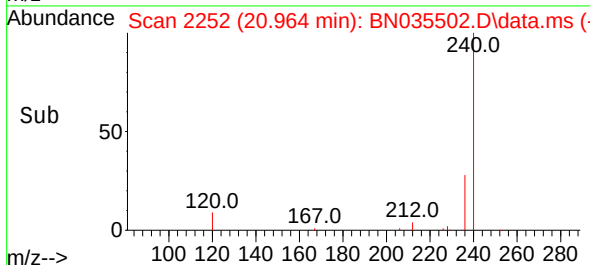
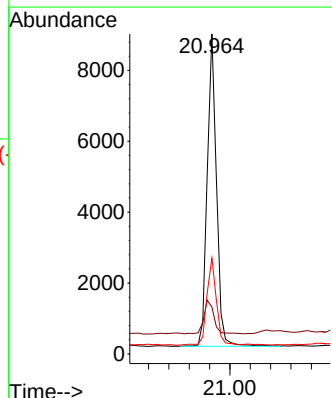
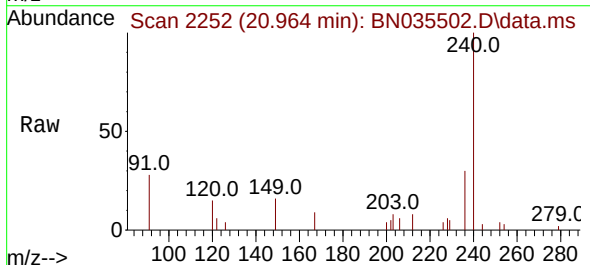
Instrument :
BNA_N
ClientSampleId :
TOWER-1

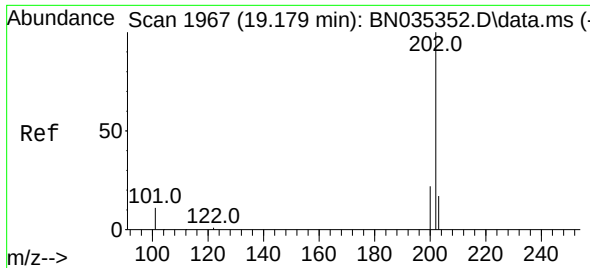
Tgt Ion:202 Resp: 1072
Ion Ratio Lower Upper
202 100
101 6.0 7.4 11.0#
203 12.1 13.7 20.5#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.964 min Scan# 2252
Delta R.T. -0.009 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion:240 Resp: 11160
Ion Ratio Lower Upper
240 100
120 14.7 7.9 11.9#
236 29.9 22.9 34.3

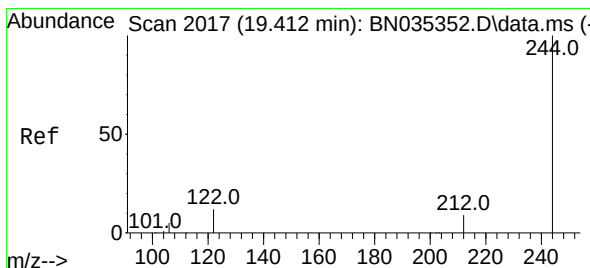
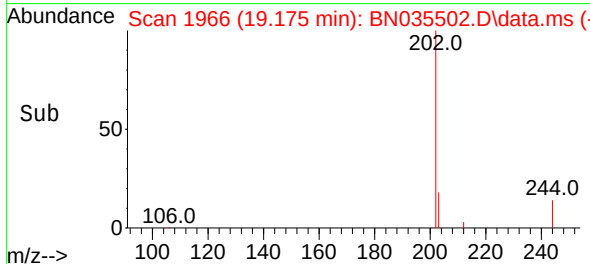
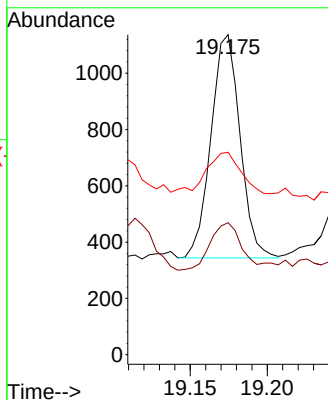
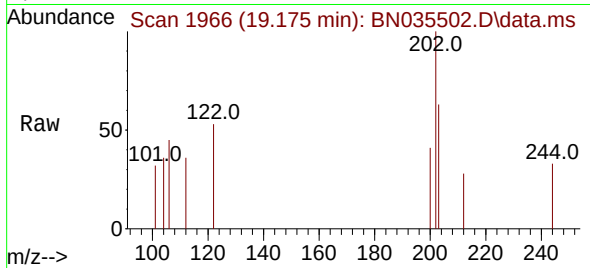




#30
Pyrene
Concen: 0.025 ng
RT: 19.175 min Scan# 1967
Delta R.T. -0.005 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

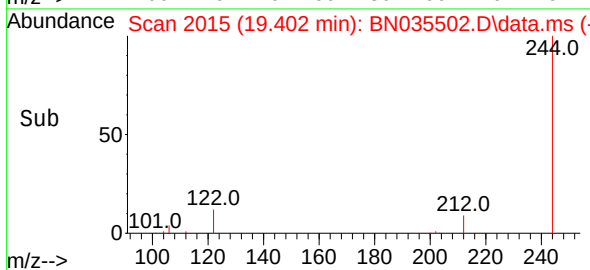
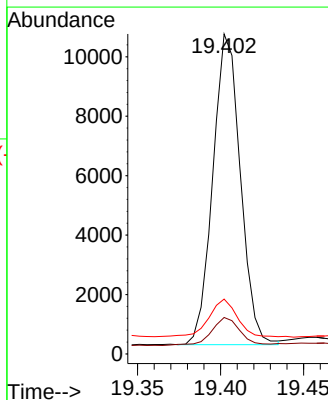
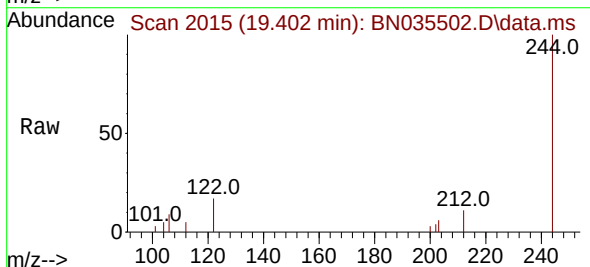
Instrument :
BNA_N
ClientSampleId :
TOWER-1

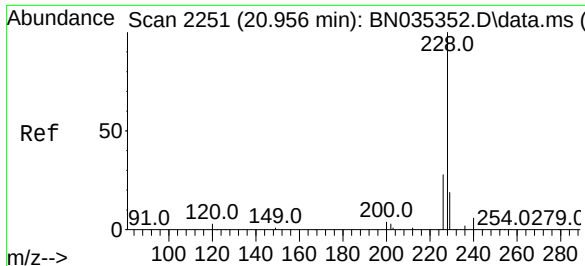
Tgt Ion:202 Resp: 1041
Ion Ratio Lower Upper
202 100
200 23.0 17.0 25.4
203 21.5 14.3 21.5#



#31
Terphenyl-d14
Concen: 0.548 ng
RT: 19.402 min Scan# 2015
Delta R.T. -0.010 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion:244 Resp: 12062
Ion Ratio Lower Upper
244 100
212 11.4 8.1 12.1
122 17.1 10.3 15.5#





#32

Benzo(a)anthracene

Concen: 0.034 ng

RT: 20.946 min Scan# 2250

Delta R.T. -0.009 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1

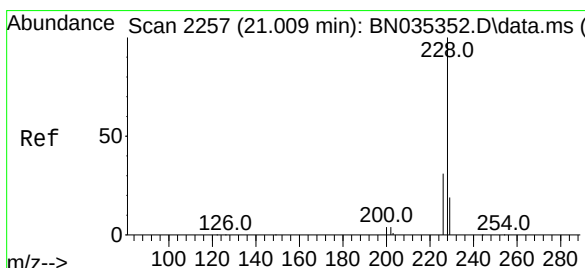
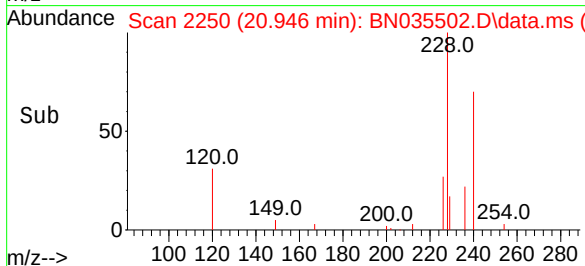
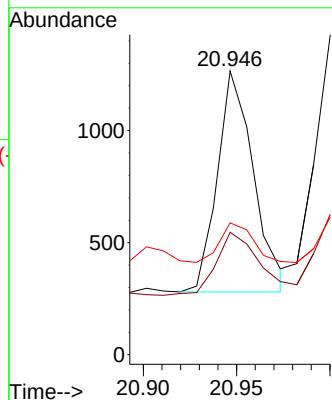
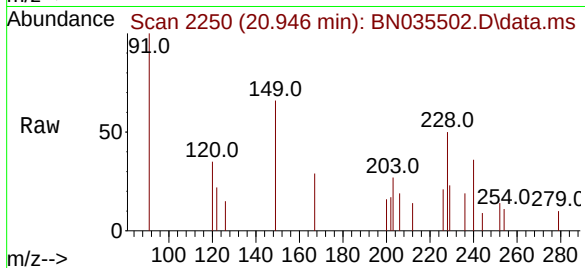
Tgt Ion:228 Resp: 1331

Ion Ratio Lower Upper

228 100

226 43.1 22.5 33.7#

229 46.4 15.8 23.8#



#33

Chrysene

Concen: 0.038 ng

RT: 21.000 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

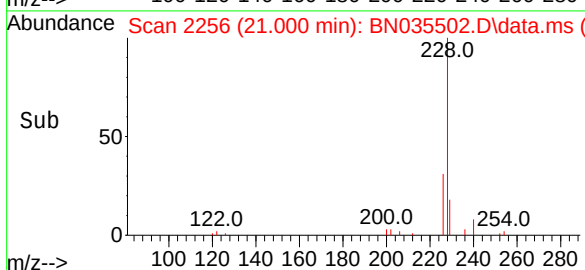
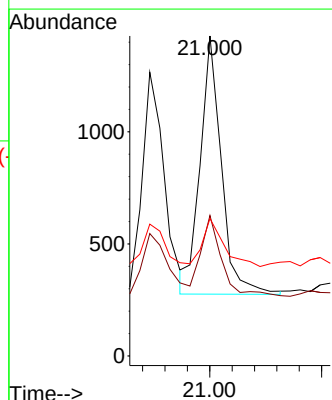
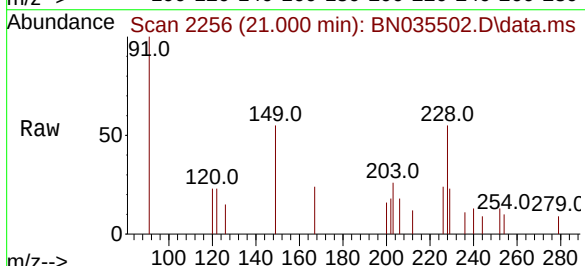
Tgt Ion:228 Resp: 1514

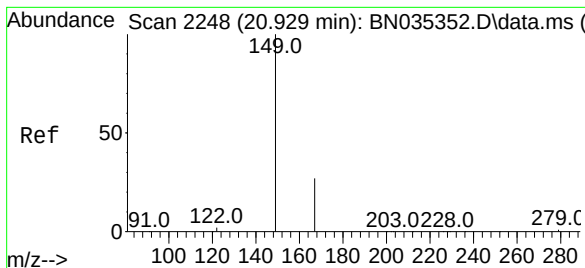
Ion Ratio Lower Upper

228 100

226 43.9 24.6 37.0#

229 42.9 15.9 23.9#

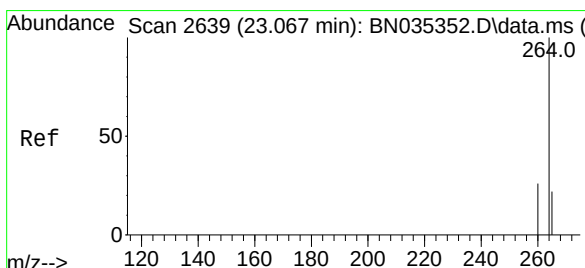
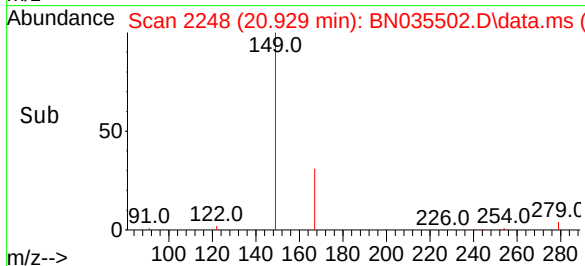
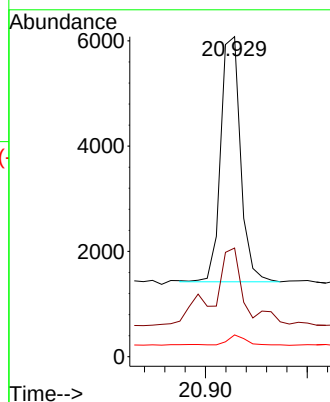
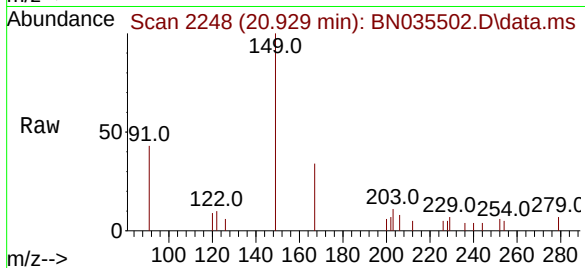




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.409 ng
RT: 20.929 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

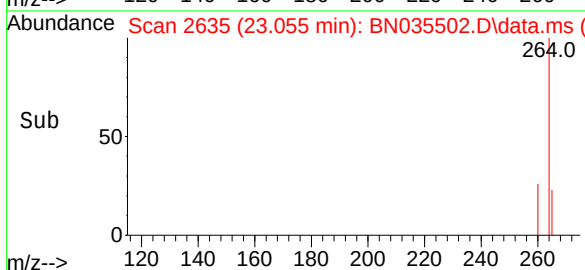
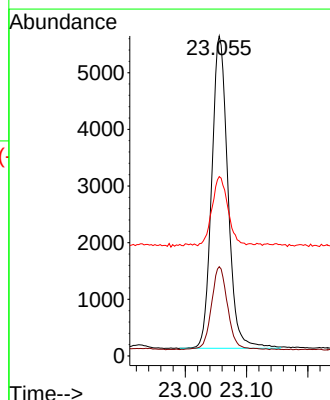
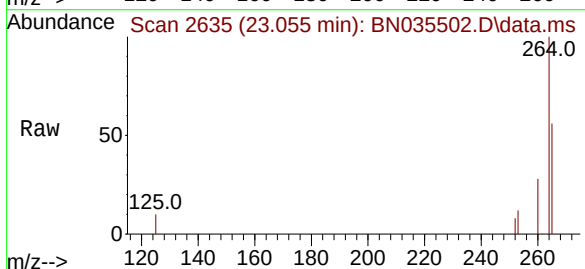
Instrument :
BNA_N
ClientSampleId :
TOWER-1

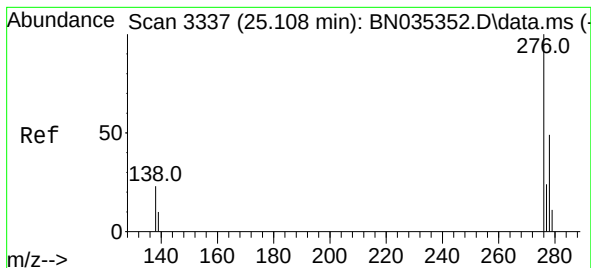
Tgt Ion:149 Resp: 6307
Ion Ratio Lower Upper
149 100
167 46.6 22.2 33.4#
279 4.0 2.7 4.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.055 min Scan# 2635
Delta R.T. -0.012 min
Lab File: BN035502.D
Acq: 09 Dec 2024 12:16

Tgt Ion:264 Resp: 10129
Ion Ratio Lower Upper
264 100
260 27.9 21.4 32.2
265 56.0 40.2 60.4





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.031 ng

RT: 25.090 min Scan# 3331

Delta R.T. -0.018 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1

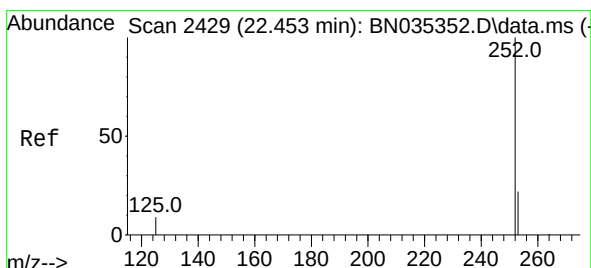
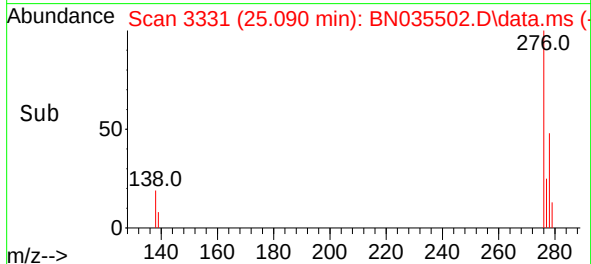
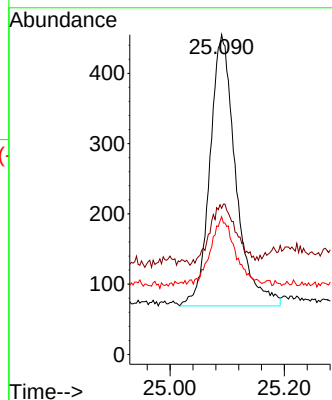
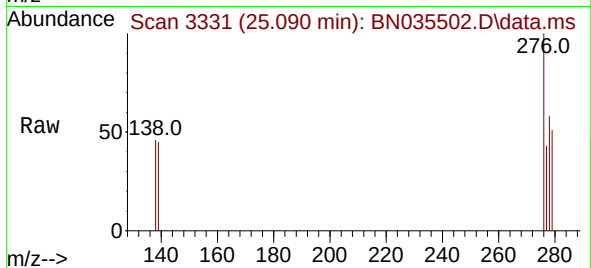
Tgt Ion:276 Resp: 1211

Ion Ratio Lower Upper

276 100

138 23.5 19.4 29.0

277 23.4 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.044 ng

RT: 22.444 min Scan# 2426

Delta R.T. -0.009 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

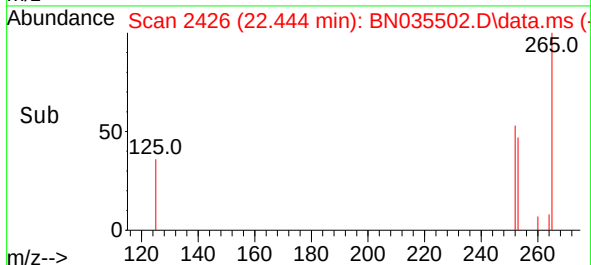
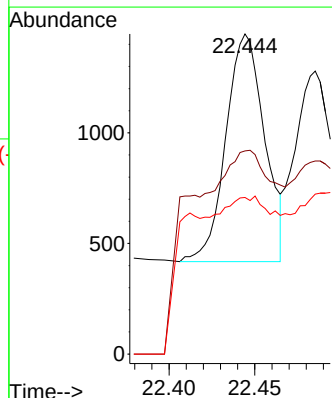
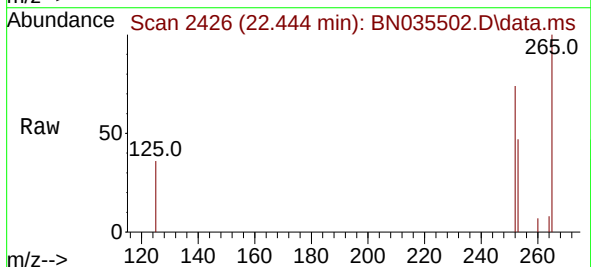
Tgt Ion:252 Resp: 1616

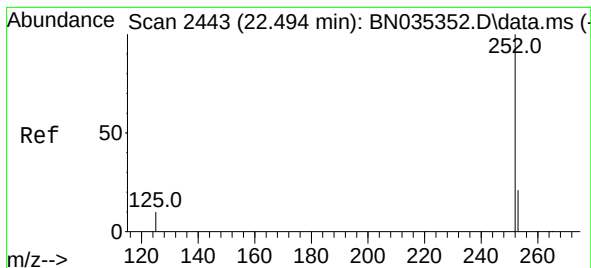
Ion Ratio Lower Upper

252 100

253 63.4 19.6 29.4#

125 48.9 9.6 14.4#





#38

Benzo(k)fluoranthene

Concen: 0.037 ng

RT: 22.485 min Scan# 2440

Delta R.T. -0.009 min

Lab File: BN035502.D

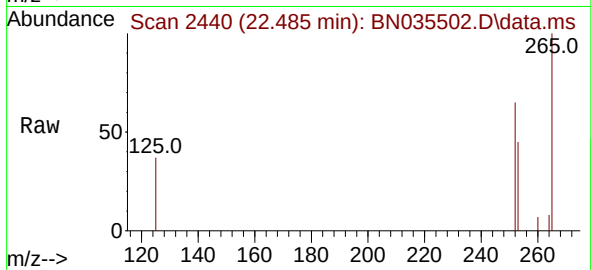
Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1



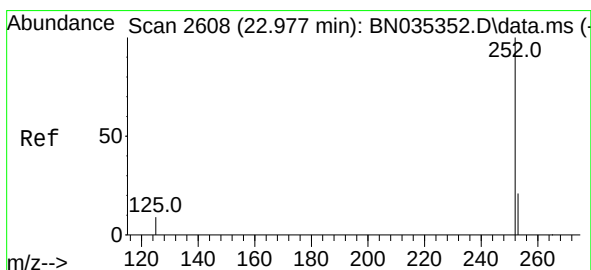
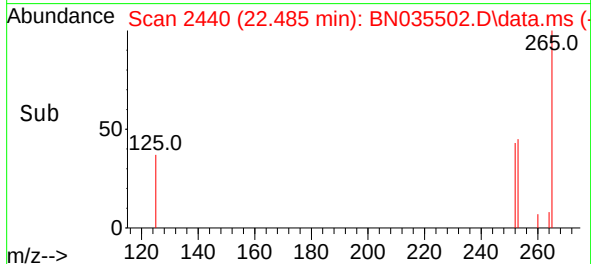
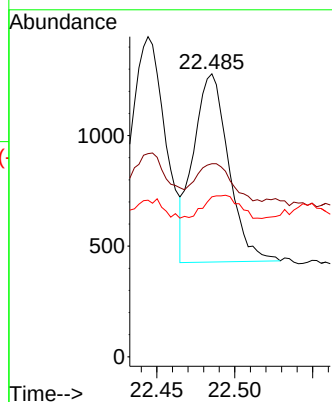
Tgt Ion:252 Resp: 1332

Ion Ratio Lower Upper

252 100

253 68.3 19.5 29.3#

125 56.5 10.2 15.4#



#39

Benzo(a)pyrene

Concen: 0.027 ng

RT: 22.965 min Scan# 2604

Delta R.T. -0.012 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

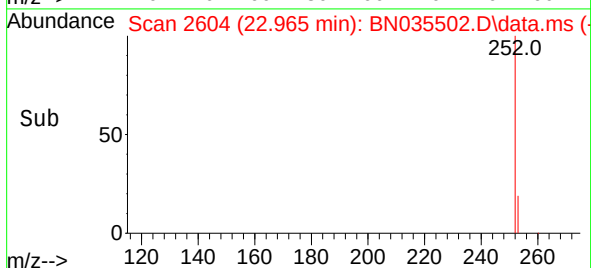
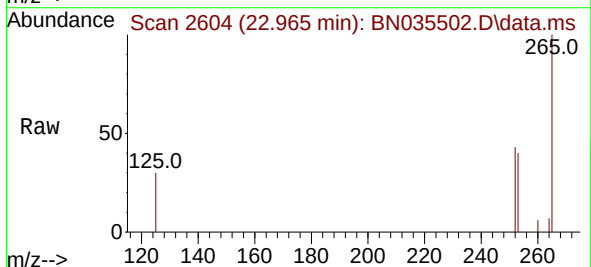
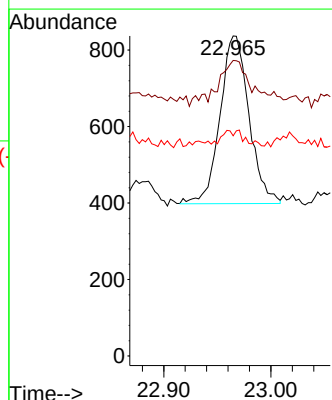
Tgt Ion:252 Resp: 825

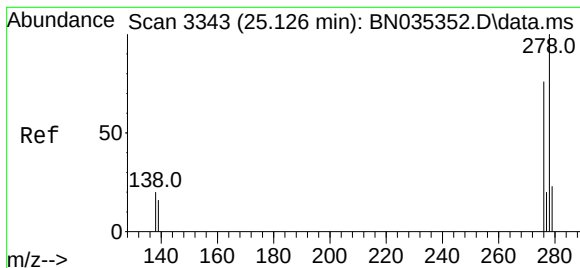
Ion Ratio Lower Upper

252 100

253 92.4 20.2 30.4#

125 68.8 10.9 16.3#





#40

Dibenzo(a,h)anthracene

Concen: 0.026 ng

RT: 25.105 min Scan# 34

Delta R.T. -0.021 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Instrument :

BNA_N

ClientSampleId :

TOWER-1

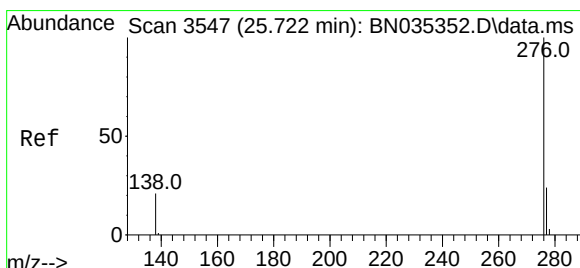
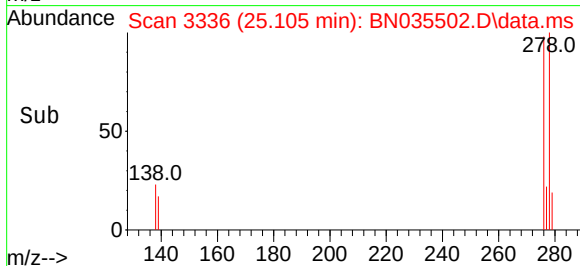
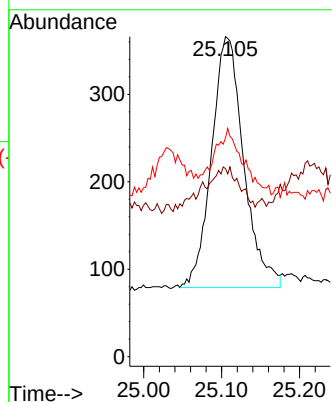
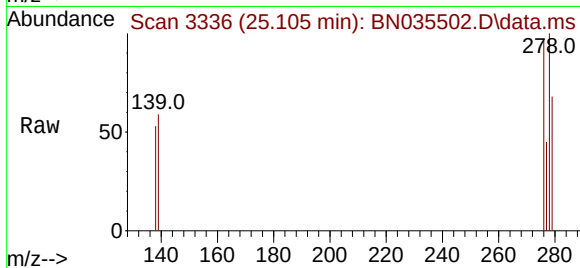
Tgt Ion:278 Resp: 825

Ion Ratio Lower Upper

278 100

139 58.7 14.2 21.4#

279 68.3 20.5 30.7#



#41

Benzo(g,h,i)perylene

Concen: 0.030 ng

RT: 25.707 min Scan# 3542

Delta R.T. -0.015 min

Lab File: BN035502.D

Acq: 09 Dec 2024 12:16

Tgt Ion:276 Resp: 968

Ion Ratio Lower Upper

276 100

277 43.1 19.9 29.9#

138 47.5 17.8 26.8#

