

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
 Data File : BN035075.D
 Acq On : 13 Nov 2024 20:26
 Operator : RC/JU
 Sample : P4767-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

Quant Time: Nov 14 02:07:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 17:18:14 2024
 Response via : Initial Calibration

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

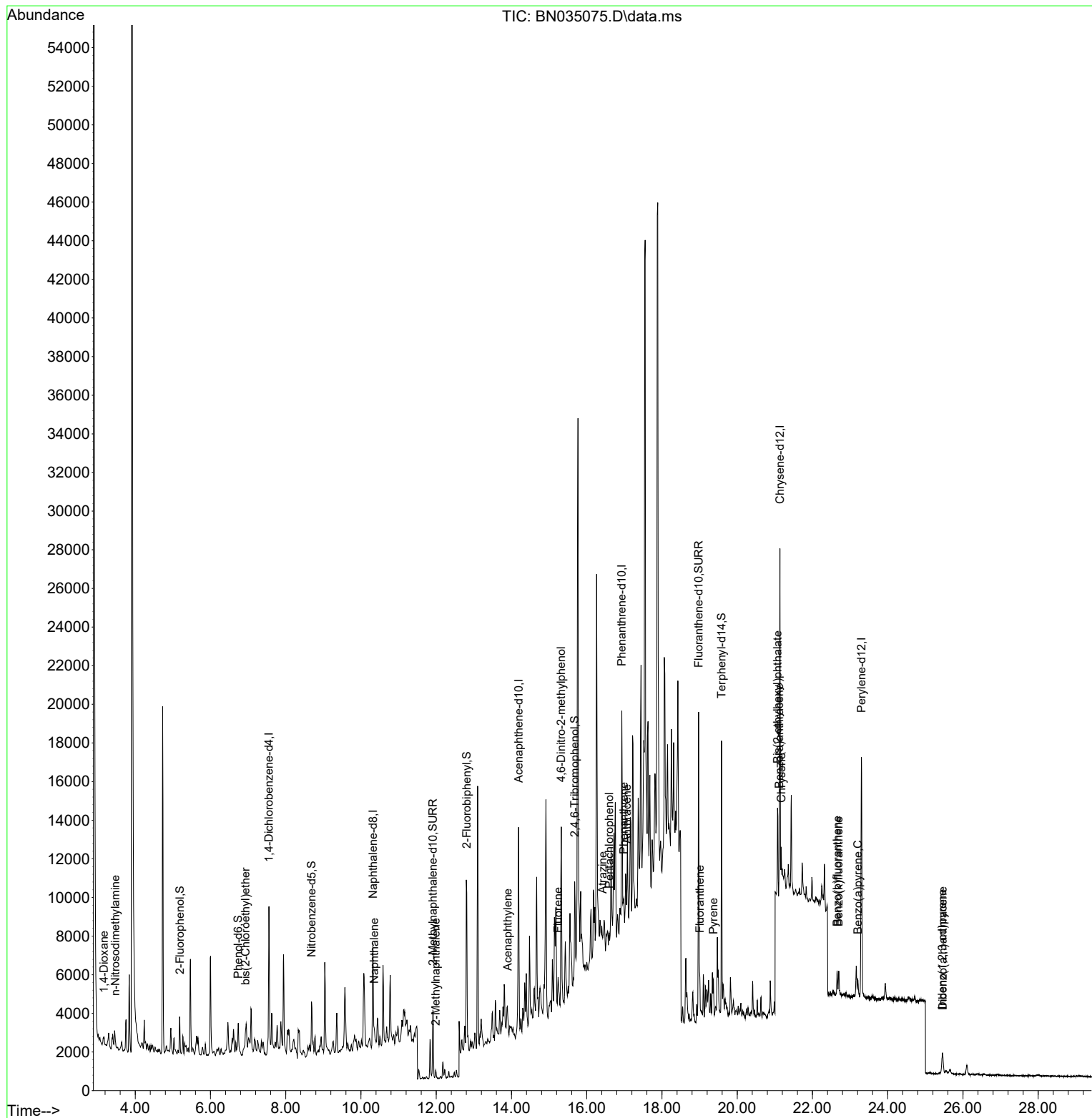
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	2522	0.400	ng	0.00
7) Naphthalene-d8	10.319	136	6876	0.400	ng	# 0.00
13) Acenaphthene-d10	14.190	164	6216	0.400	ng	0.00
19) Phenanthrene-d10	16.932	188	14098	0.400	ng	# 0.00
29) Chrysene-d12	21.134	240	15444	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	15147	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1546	0.241	ng	0.00
5) Phenol-d6	6.737	99	1382	0.172	ng	0.00
8) Nitrobenzene-d5	8.685	82	2372	0.396	ng	-0.01
11) 2-Methylnaphthalene-d10	11.912	152	4855	0.396	ng	0.00
14) 2,4,6-Tribromophenol	15.679	330	3022	0.674	ng	0.00
15) 2-Fluorobiphenyl	12.811	172	8123	0.322	ng	0.00
27) Fluoranthene-d10	18.973	212	17863	0.414	ng	0.00
31) Terphenyl-d14	19.587	244	14238	0.439	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.169	88	334	0.146	ng	# 1
3) n-Nitrosodimethylamine	3.473	42	251	0.118	ng	# 60
6) bis(2-Chloroethyl)ether	6.932	93	411	0.068	ng	# 50
9) Naphthalene	10.351	128	915	0.051	ng	# 68
12) 2-Methylnaphthalene	11.988	142	308	0.023	ng	# 69
16) Acenaphthylene	13.901	152	585	0.022	ng	99
18) Fluorene	15.238	166	818	0.032	ng	# 8
20) 4,6-Dinitro-2-methylph...	15.323	198	219	0.075	ng	# 1
23) Atrazine	16.424	200	338	0.042	ng	# 15
24) Pentachlorophenol	16.597	266	368	0.084	ng	90
25) Phenanthrene	16.982	178	1438	0.039	ng	# 63
26) Anthracene	17.069	178	1195	0.035	ng	# 69
28) Fluoranthene	19.006	202	1630	0.032	ng	# 90
30) Pyrene	19.368	202	1794	0.035	ng	# 85
32) Benzo(a)anthracene	21.116	228	1997	0.037	ng	# 63
33) Chrysene	21.169	228	1984	0.037	ng	# 62
34) Bis(2-ethylhexyl)phtha...	21.071	149	4072	0.144	ng	# 85
36) Indeno(1,2,3-cd)pyrene	25.452	276	1338	0.022	ng	95
37) Benzo(b)fluoranthene	22.657	252	1597	0.031	ng	# 6
38) Benzo(k)fluoranthene	22.698	252	1457	0.029	ng	# 2
39) Benzo(a)pyrene	23.203	252	1167	0.026	ng	# 1
40) Dibenzo(a,h)anthracene	25.463	278	1062	0.022	ng	# 8

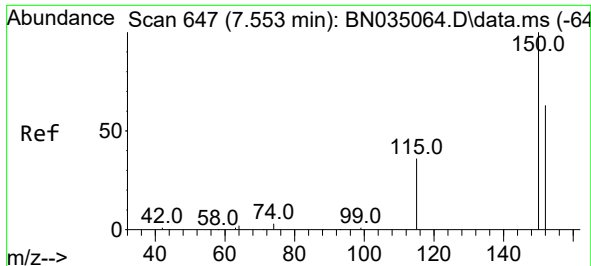
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
Data File : BN035075.D
Acq On : 13 Nov 2024 20:26
Operator : RC/JU
Sample : P4767-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TOWER-2

Quant Time: Nov 14 02:07:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
Response via : Initial Calibration

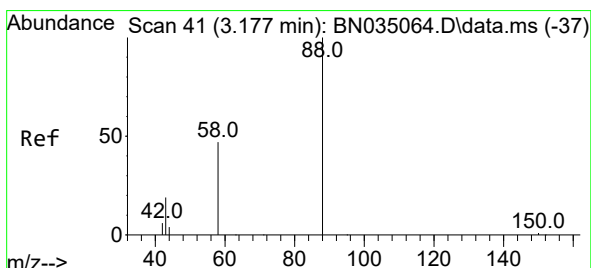
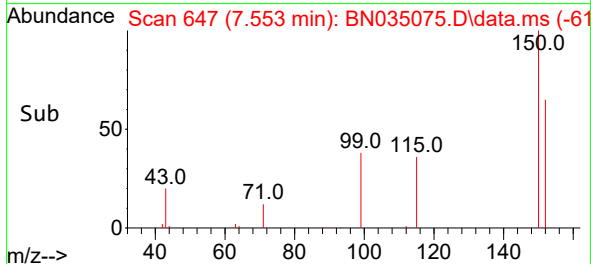
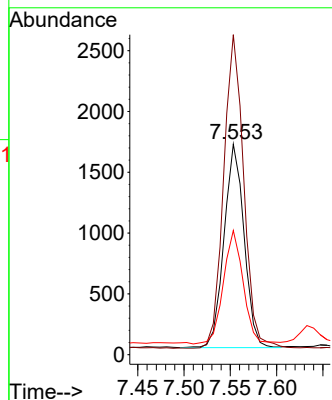
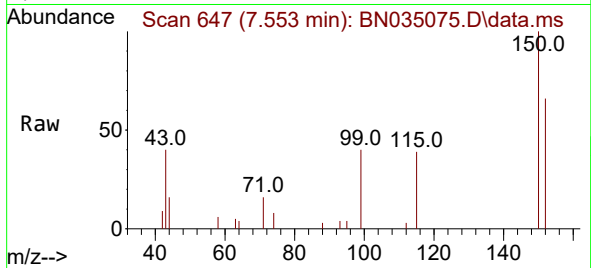




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.553 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN035075.D
 Acq: 13 Nov 2024 20:26

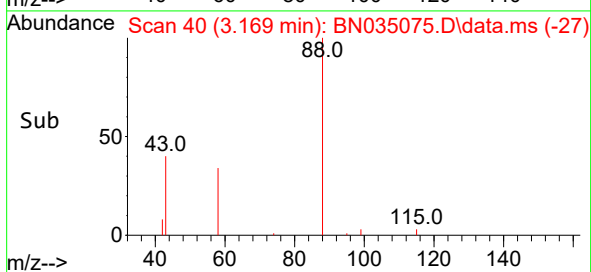
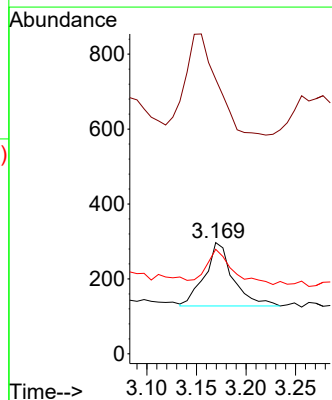
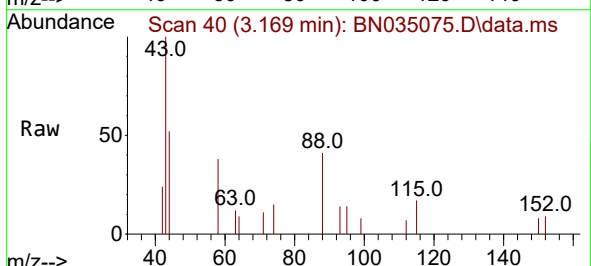
Instrument :
 BNA_N
 ClientSampleId :
 TOWER-2

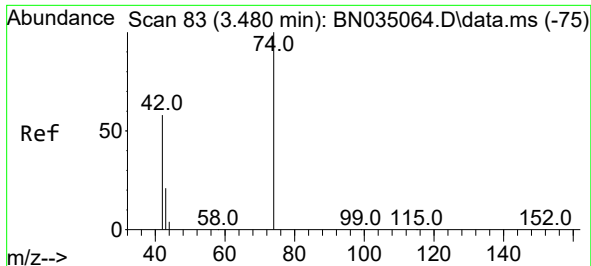
Tgt Ion:152 Resp: 2522
 Ion Ratio Lower Upper
 152 100
 150 152.0 124.5 186.7
 115 58.9 47.8 71.6



#2
 1,4-Dioxane
 Concen: 0.146 ng
 RT: 3.169 min Scan# 40
 Delta R.T. -0.007 min
 Lab File: BN035075.D
 Acq: 13 Nov 2024 20:26

Tgt Ion: 88 Resp: 334
 Ion Ratio Lower Upper
 88 100
 43 179.9 16.9 25.3#
 58 50.9 39.0 58.4

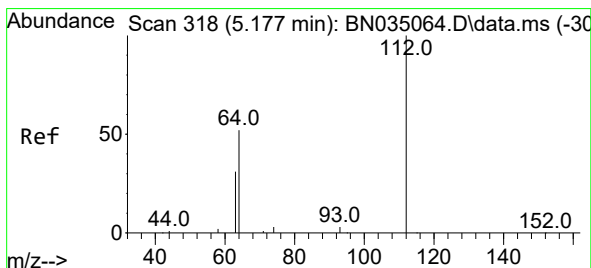
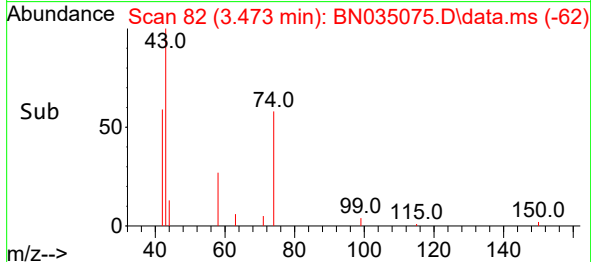
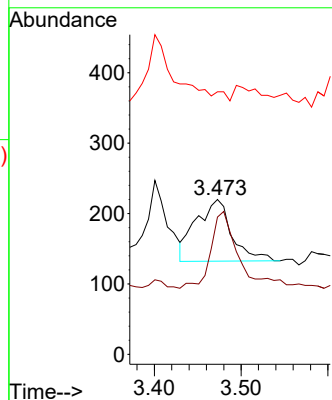
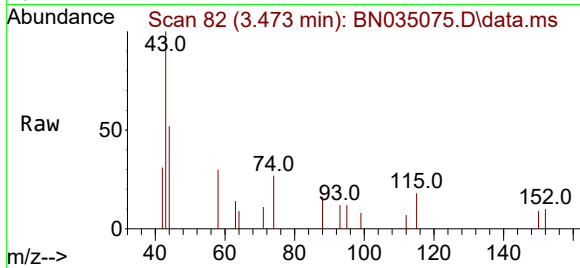




#3
n-Nitrosodimethylamine
Concen: 0.118 ng
RT: 3.473 min Scan# 81
Delta R.T. -0.007 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

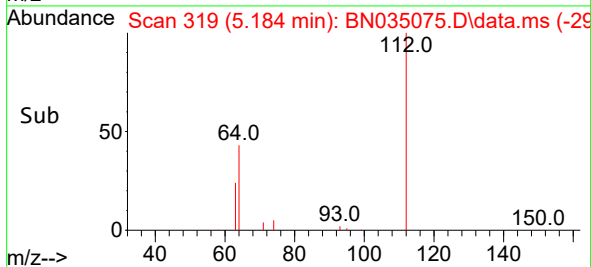
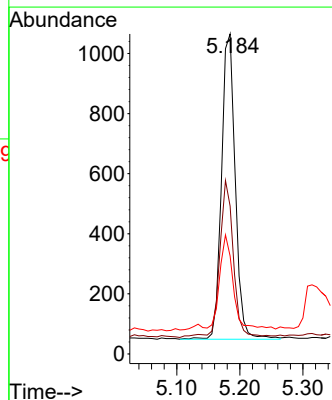
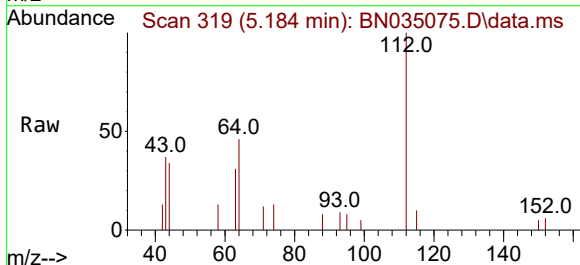
Instrument :
BNA_N
ClientSampleId :
TOWER-2

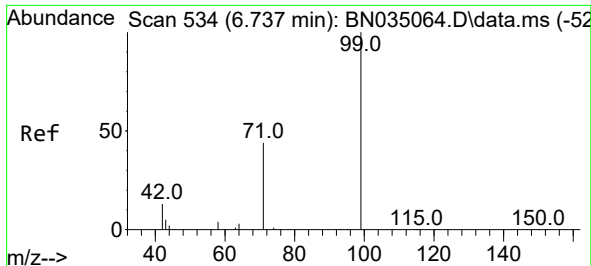
Tgt Ion: 42 Resp: 251
Ion Ratio Lower Upper
42 100
74 99.2 120.8 181.2#
44 0.0 2.9 4.3#



#4
2-Fluorophenol
Concen: 0.241 ng
RT: 5.184 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Tgt Ion: 112 Resp: 1546
Ion Ratio Lower Upper
112 100
64 51.1 39.7 59.5
63 29.6 23.0 34.4

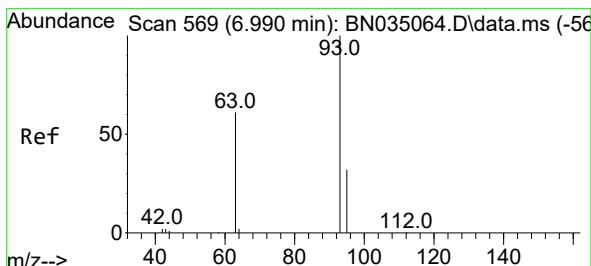
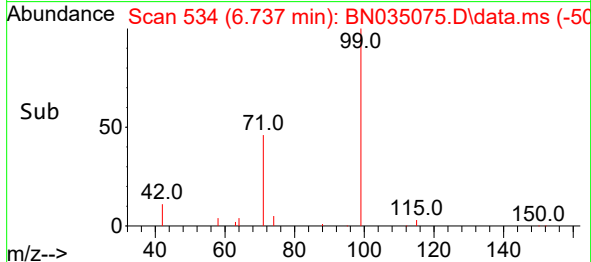
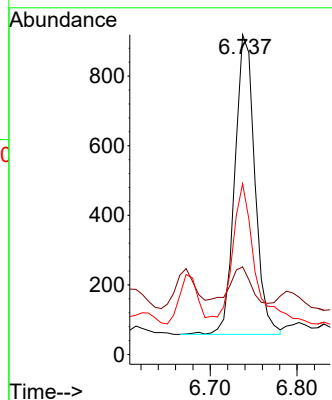
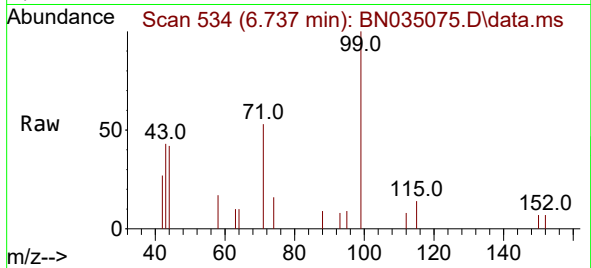




#5
Phenol-d6
Concen: 0.172 ng
RT: 6.737 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

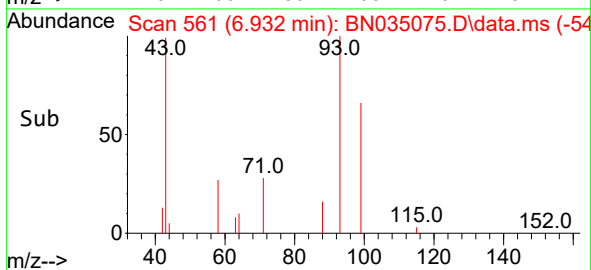
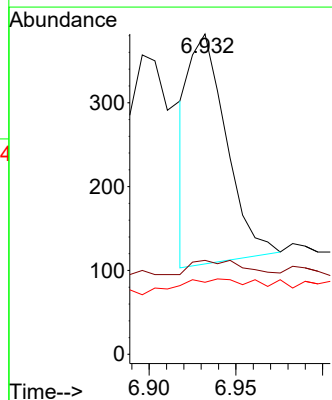
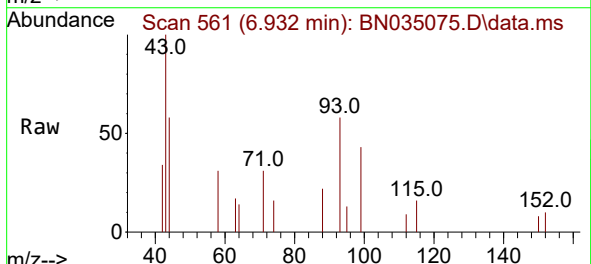
Instrument :
BNA_N
ClientSampleId :
TOWER-2

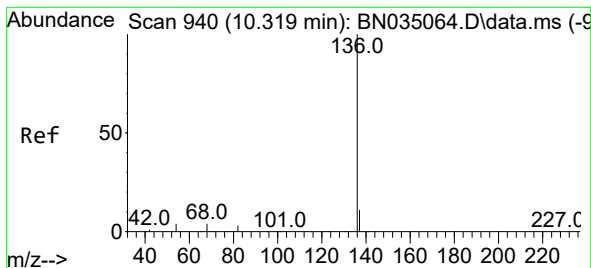
Tgt Ion: 99 Resp: 1382
Ion Ratio Lower Upper
99 100
42 14.3 11.4 17.0
71 55.5 34.6 51.8#



#6
bis(2-Chloroethyl)ether
Concen: 0.068 ng
RT: 6.932 min Scan# 561
Delta R.T. -0.058 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Tgt Ion: 93 Resp: 411
Ion Ratio Lower Upper
93 100
63 18.2 47.4 71.2#
95 10.0 26.2 39.4#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.319 min Scan# 94

Delta R.T. -0.000 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

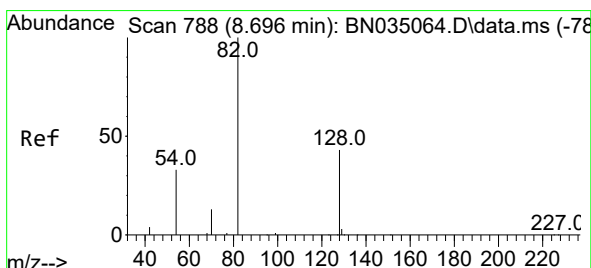
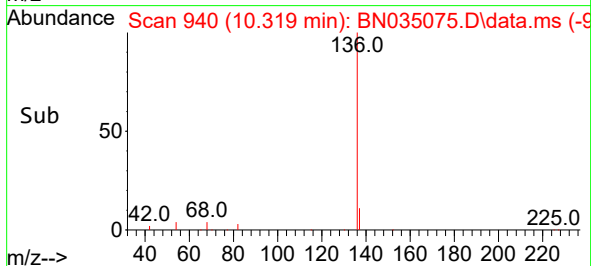
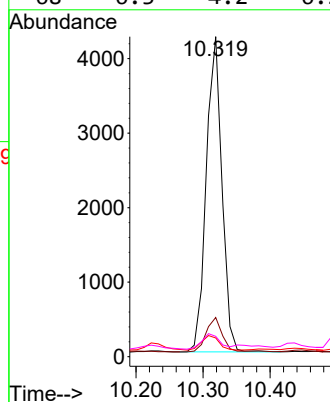
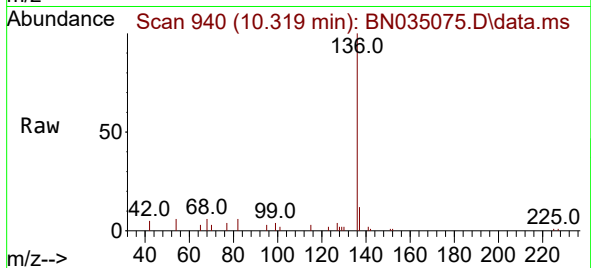
Instrument :

BNA_N

ClientSampleId :

TOWER-2

Tgt Ion:	136	Resp:	6876
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	5.8	4.0	6.0
68	6.3	4.2	6.2



#8

Nitrobenzene-d5

Concen: 0.396 ng

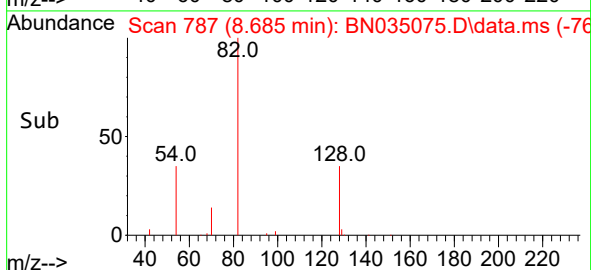
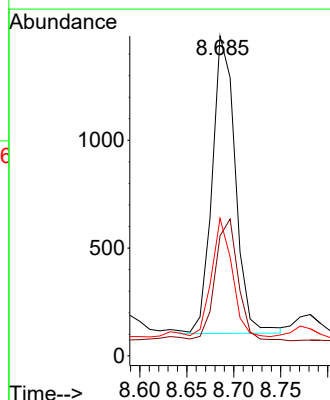
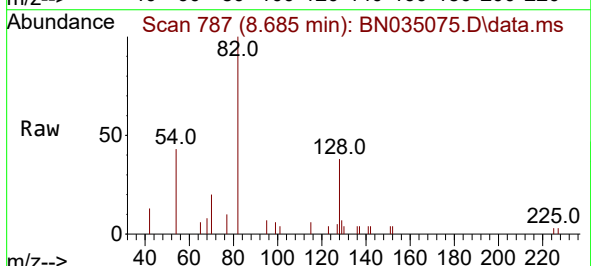
RT: 8.685 min Scan# 787

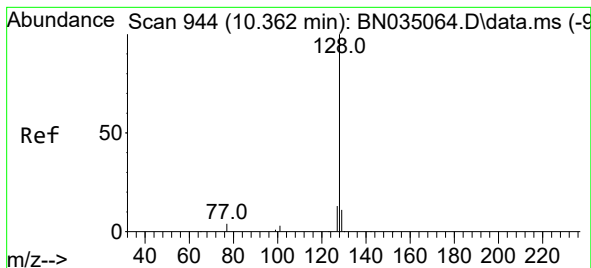
Delta R.T. -0.011 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Tgt Ion:	82	Resp:	2372
Ion	Ratio	Lower	Upper
82	100		
128	37.5	36.5	54.7
54	43.0	28.7	43.1





#9

Naphthalene

Concen: 0.051 ng

RT: 10.351 min Scan# 944

Delta R.T. -0.011 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

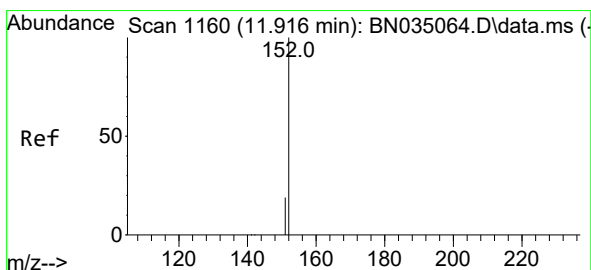
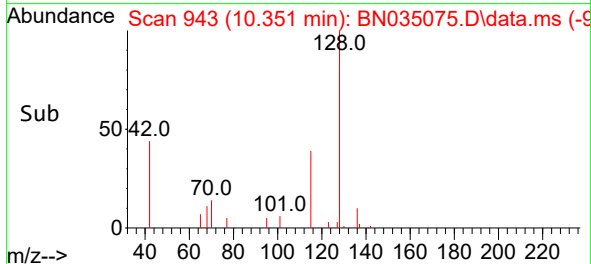
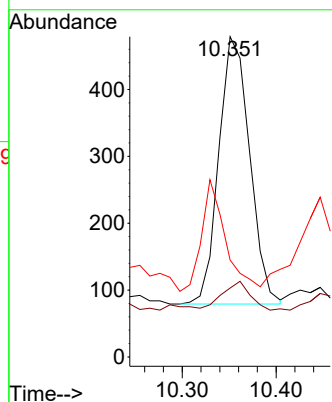
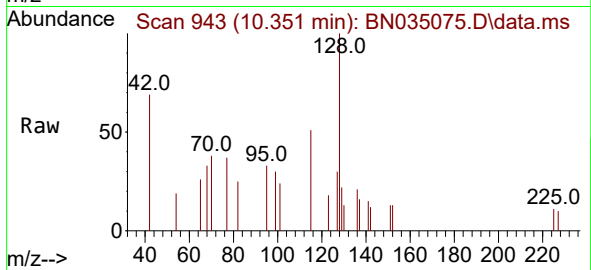
Tgt Ion:128 Resp: 915

Ion Ratio Lower Upper

128 100

129 21.5 9.6 14.4#

127 30.3 11.6 17.4#



#11

2-Methylnaphthalene-d10

Concen: 0.396 ng

RT: 11.912 min Scan# 1159

Delta R.T. -0.004 min

Lab File: BN035075.D

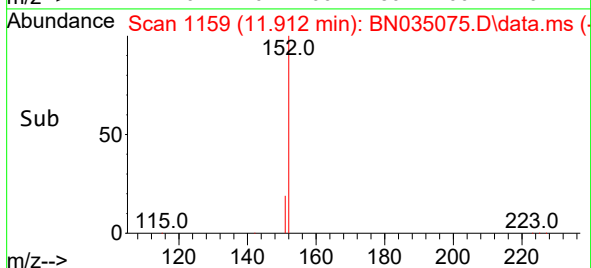
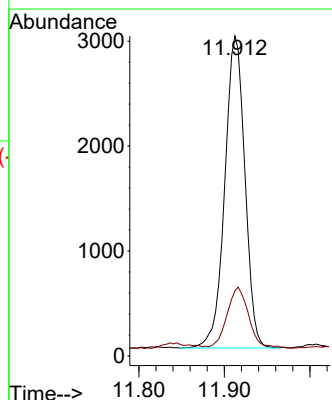
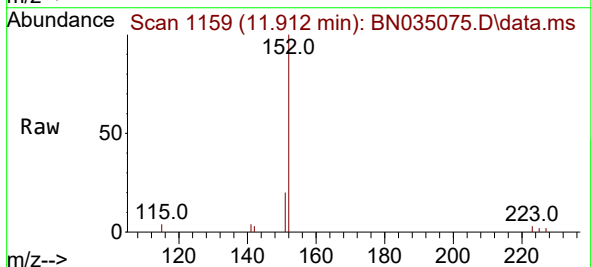
Acq: 13 Nov 2024 20:26

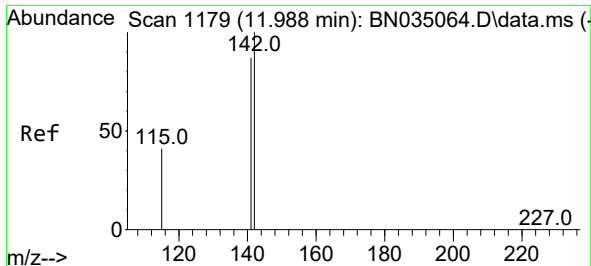
Tgt Ion:152 Resp: 4855

Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.4

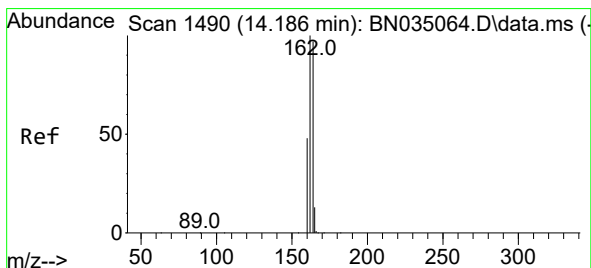
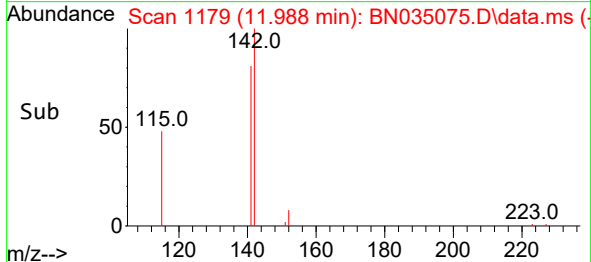
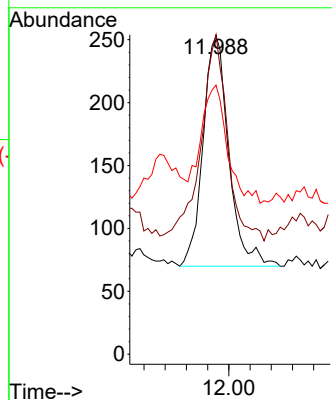
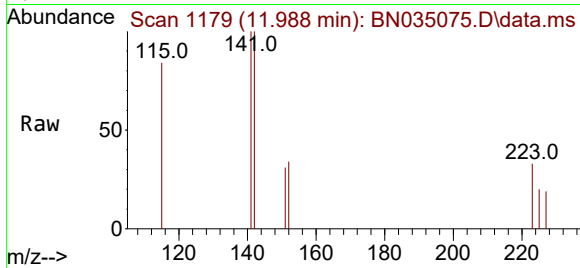




#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 11.988 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

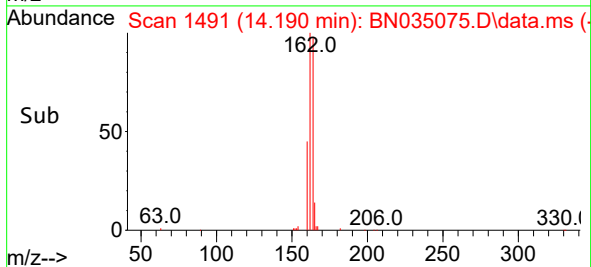
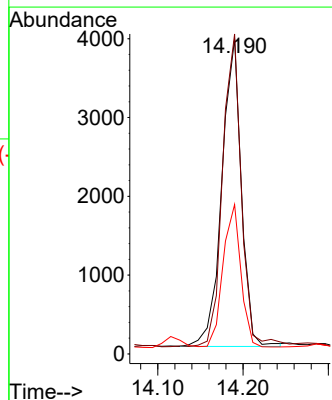
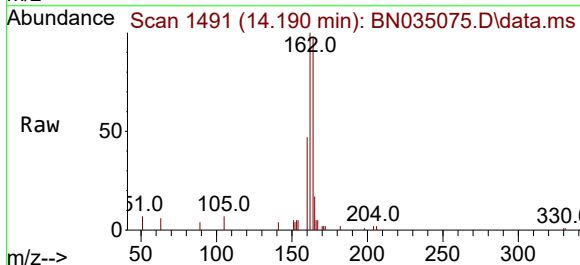
Instrument :
BNA_N
ClientSampleId :
TOWER-2

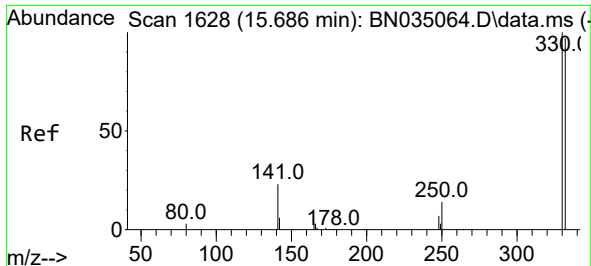
Tgt Ion:142 Resp: 308
Ion Ratio Lower Upper
142 100
141 100.4 70.1 105.1
115 84.6 34.4 51.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.190 min Scan# 1491
Delta R.T. 0.004 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

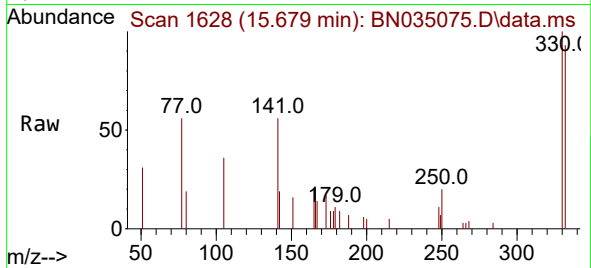
Tgt Ion:164 Resp: 6216
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.2
160 47.4 40.2 60.4



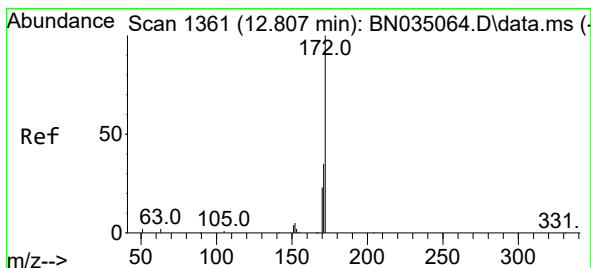
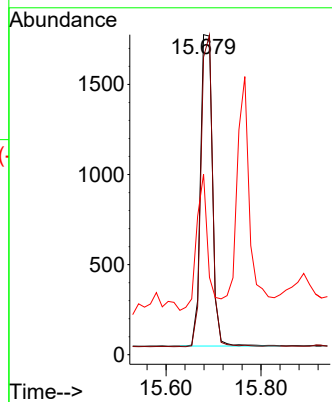
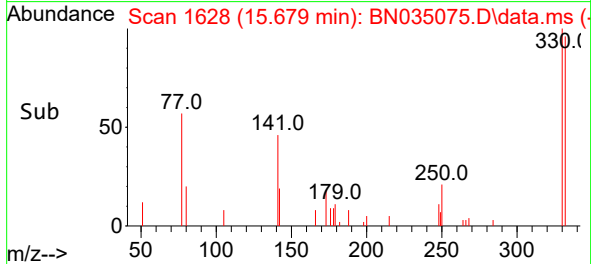


#14
2,4,6-Tribromophenol
Concen: 0.674 ng
RT: 15.679 min Scan# 1628
Delta R.T. -0.007 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

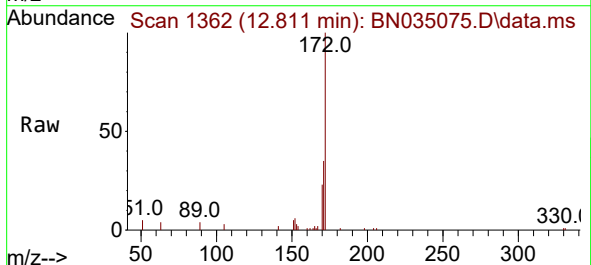
Instrument :
BNA_N
ClientSampleId :
TOWER-2



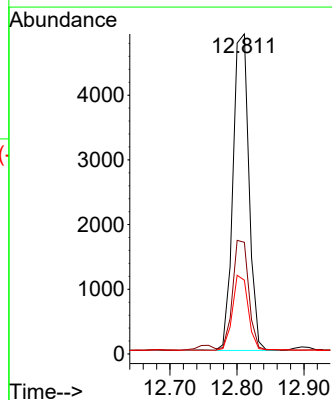
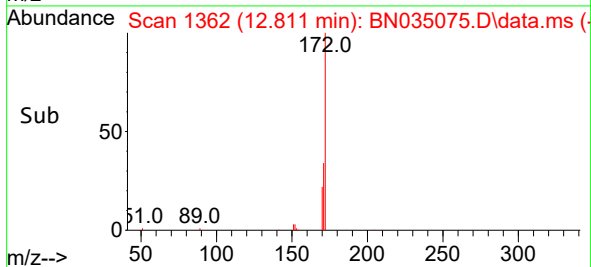
Tgt Ion:330 Resp: 3022
Ion Ratio Lower Upper
330 100
332 96.3 76.9 115.3
141 41.4 29.6 44.4

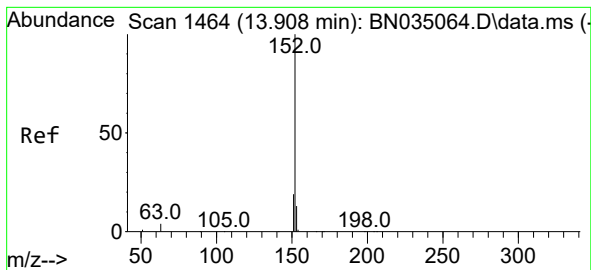


#15
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 12.811 min Scan# 1362
Delta R.T. 0.004 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26



Tgt Ion:172 Resp: 8123
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.0 19.0 28.6





#16

Acenaphthylene

Concen: 0.022 ng

RT: 13.901 min Scan# 1464

Delta R.T. -0.007 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

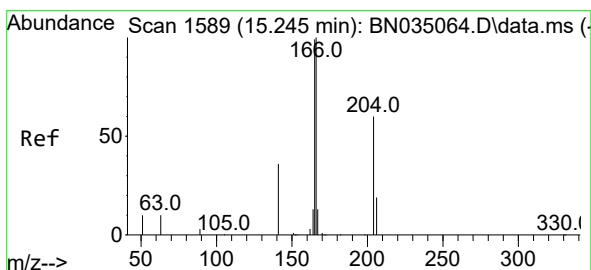
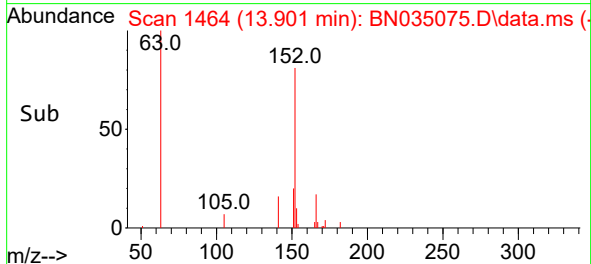
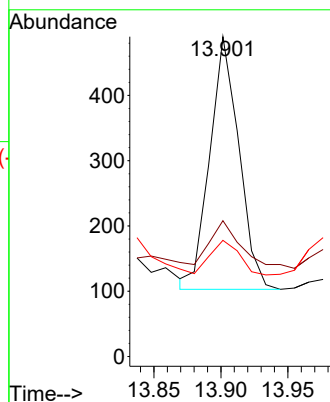
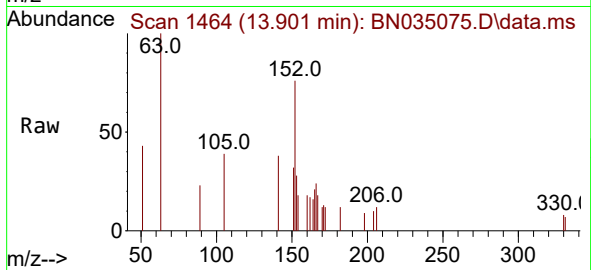
Tgt Ion:152 Resp: 585

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 13.5 10.2 15.4



#18

Fluorene

Concen: 0.032 ng

RT: 15.238 min Scan# 1589

Delta R.T. -0.007 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

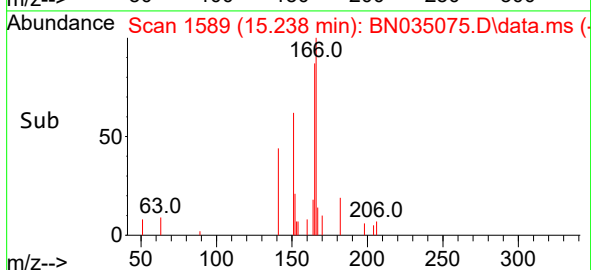
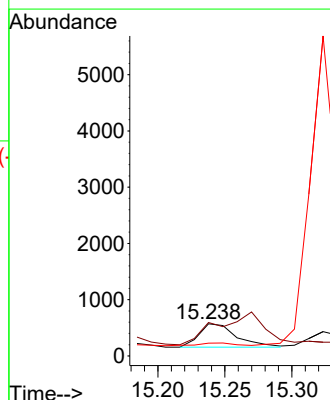
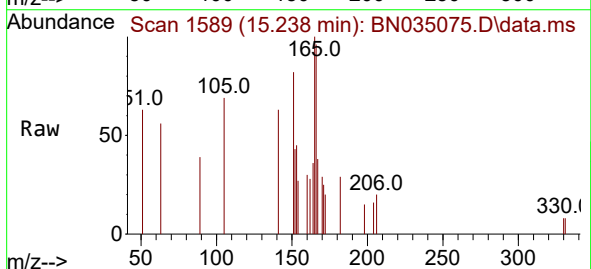
Tgt Ion:166 Resp: 818

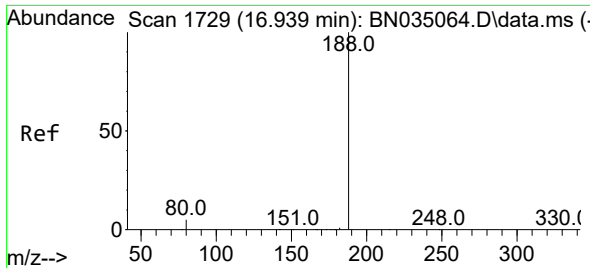
Ion Ratio Lower Upper

166 100

165 0.0 79.1 118.7#

167 0.0 10.6 16.0#

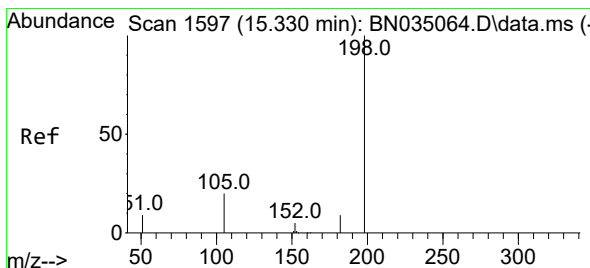
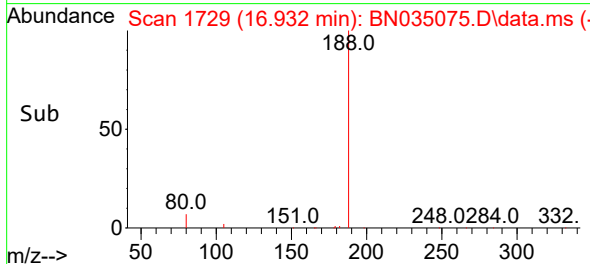
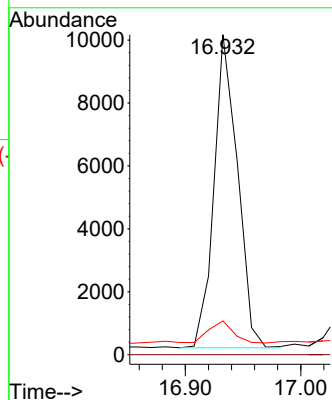
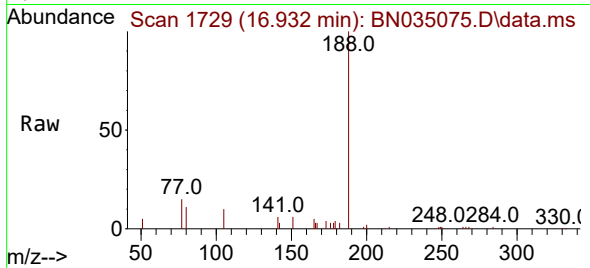




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1729
Delta R.T. -0.007 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

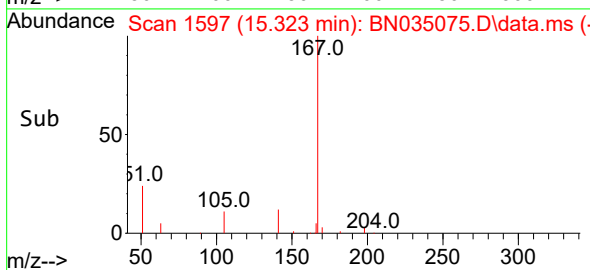
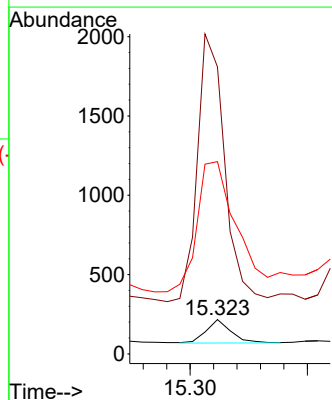
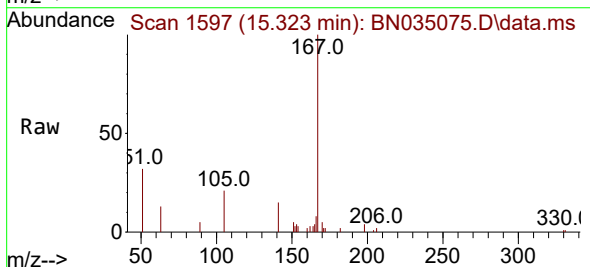
Instrument :
BNA_N
ClientSampleId :
TOWER-2

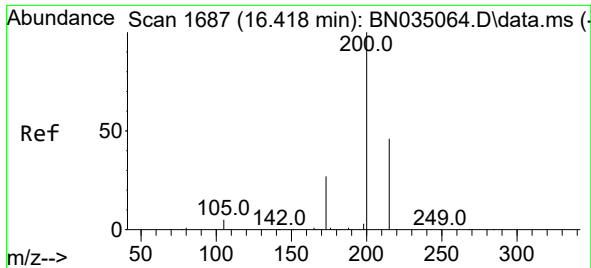
Tgt Ion:188 Resp: 14098
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.6 4.3 6.5#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.075 ng
RT: 15.323 min Scan# 1597
Delta R.T. -0.007 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Tgt Ion:198 Resp: 219
Ion Ratio Lower Upper
198 100
51 837.5 29.9 44.9#
105 561.1 23.7 35.5#

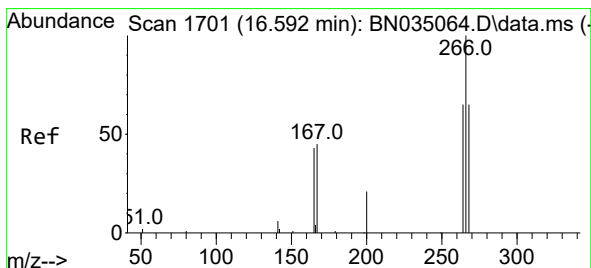
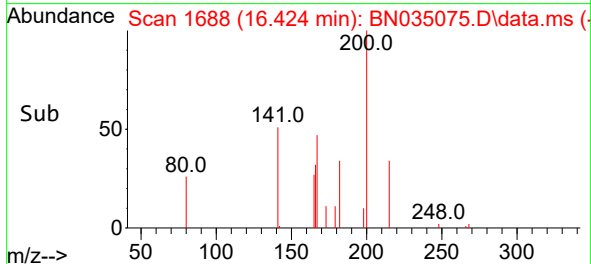
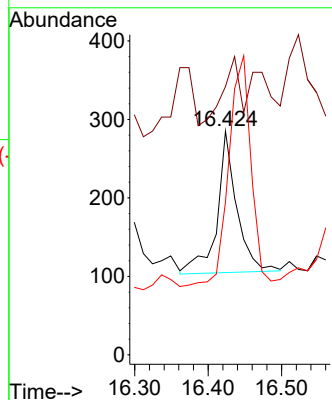
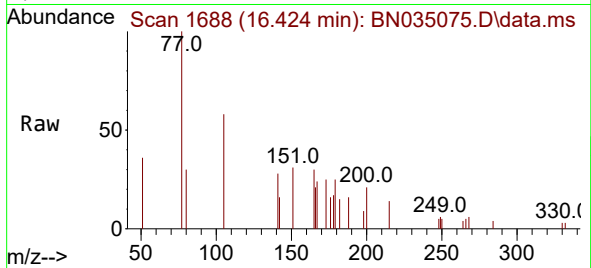




#23
Atrazine
Concen: 0.042 ng
RT: 16.424 min Scan# 1688
Delta R.T. 0.005 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

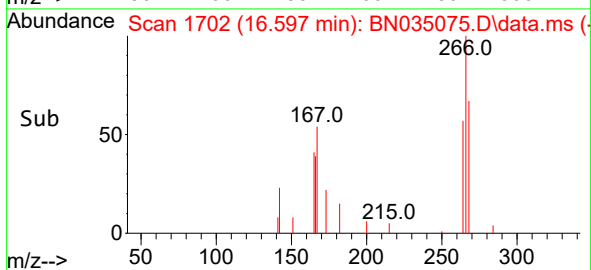
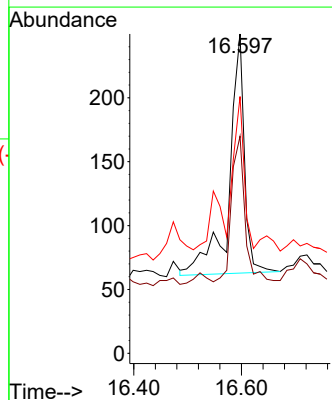
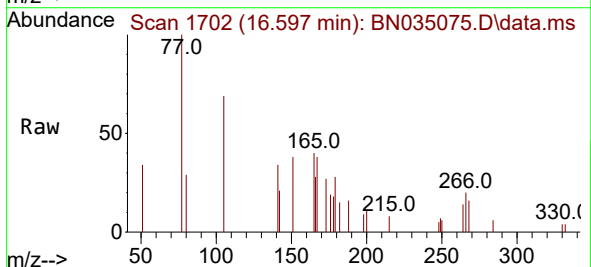
Instrument :
BNA_N
ClientSampleId :
TOWER-2

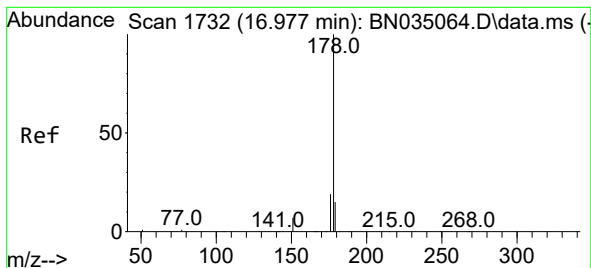
Tgt Ion:200 Resp: 338
Ion Ratio Lower Upper
200 100
173 120.0 22.6 33.8#
215 68.4 37.8 56.6#



#24
Pentachlorophenol
Concen: 0.084 ng
RT: 16.597 min Scan# 1702
Delta R.T. 0.005 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Tgt Ion:266 Resp: 368
Ion Ratio Lower Upper
266 100
264 52.7 49.4 74.0
268 72.0 52.6 79.0





#25

Phenanthrene

Concen: 0.039 ng

RT: 16.982 min Scan# 1

Delta R.T. 0.005 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

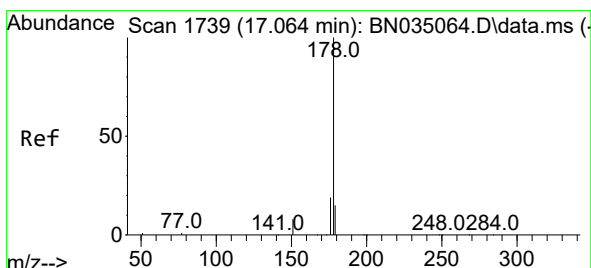
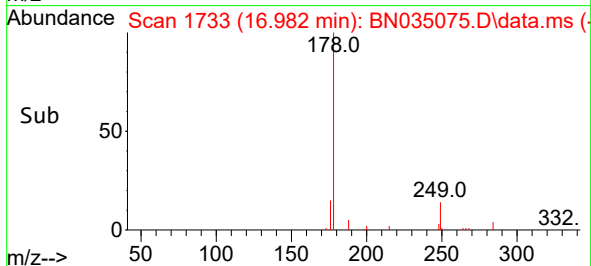
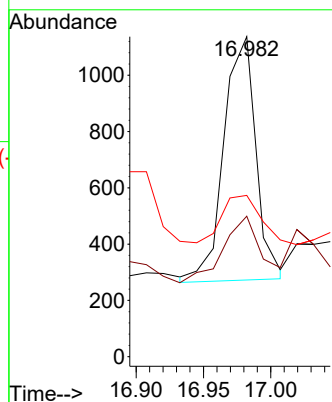
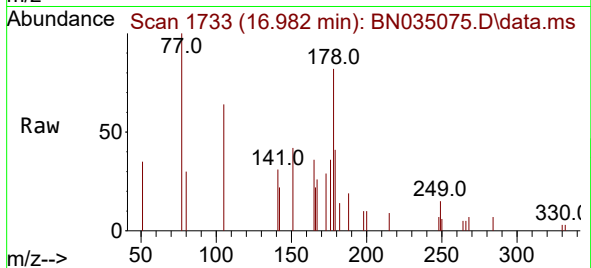
Tgt Ion:178 Resp: 1438

Ion Ratio Lower Upper

178 100

176 32.6 15.2 22.8#

179 35.0 12.6 18.8#



#26

Anthracene

Concen: 0.035 ng

RT: 17.069 min Scan# 1740

Delta R.T. 0.005 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

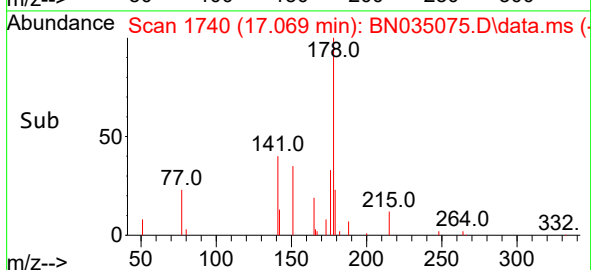
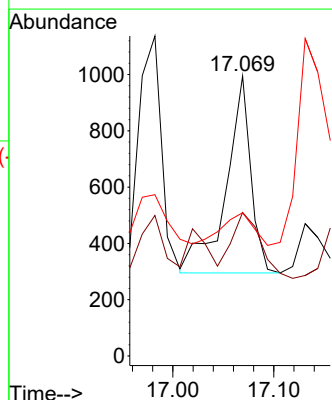
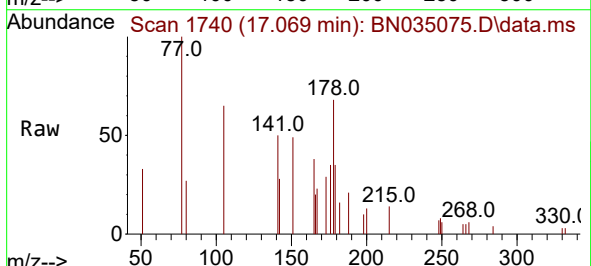
Tgt Ion:178 Resp: 1195

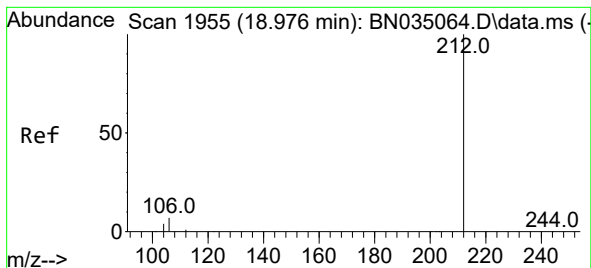
Ion Ratio Lower Upper

178 100

176 38.9 14.6 22.0#

179 20.8 12.2 18.2#





#27

Fluoranthene-d10

Concen: 0.414 ng

RT: 18.973 min Scan# 1956

Delta R.T. -0.002 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

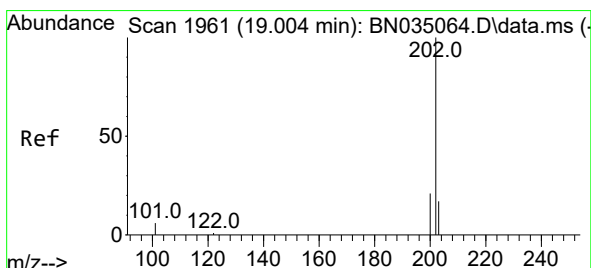
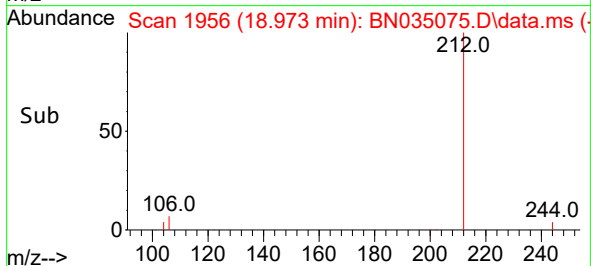
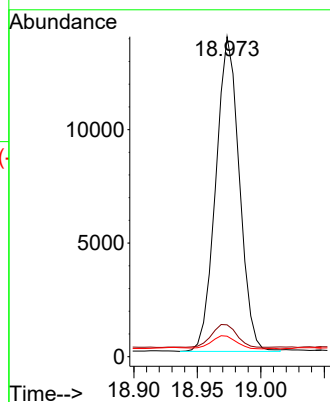
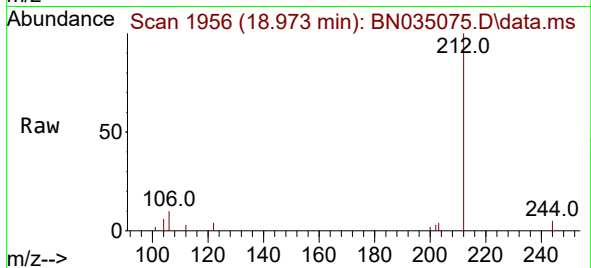
Tgt Ion:212 Resp: 17863

Ion Ratio Lower Upper

212 100

106 7.9 6.0 9.0

104 4.3 3.5 5.3



#28

Fluoranthene

Concen: 0.032 ng

RT: 19.006 min Scan# 1963

Delta R.T. 0.002 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

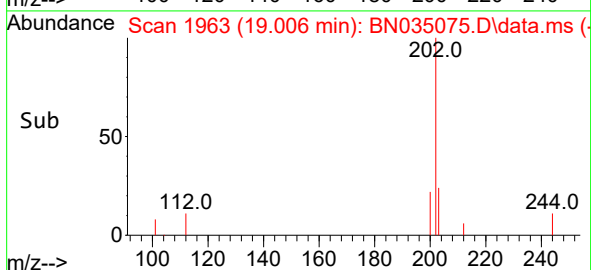
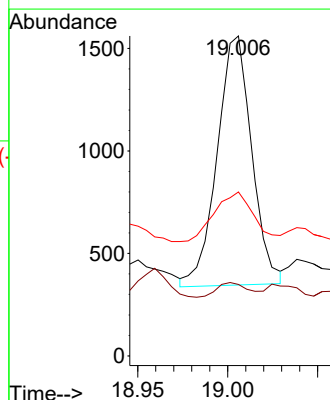
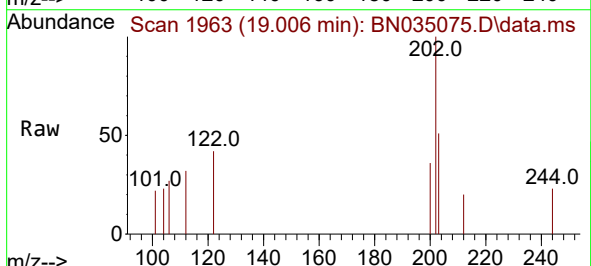
Tgt Ion:202 Resp: 1630

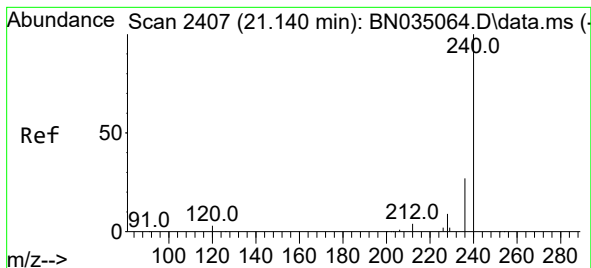
Ion Ratio Lower Upper

202 100

101 5.1 5.2 7.8#

203 22.5 13.8 20.8#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.134 min Scan# 2408

Delta R.T. -0.007 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

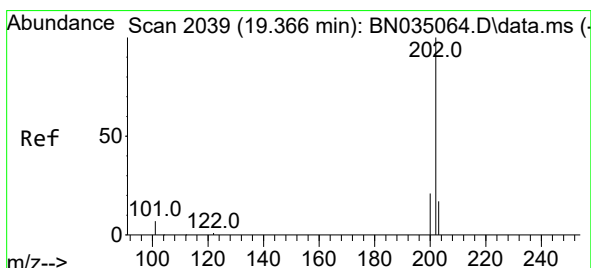
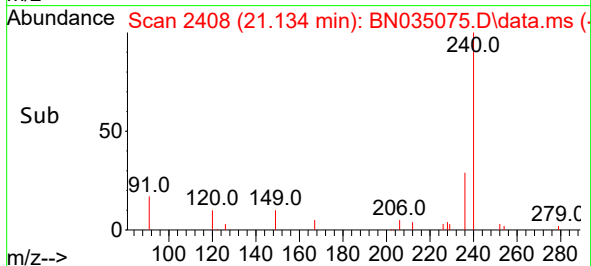
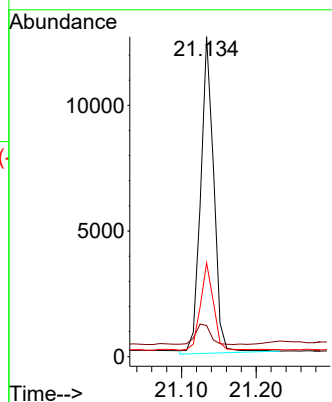
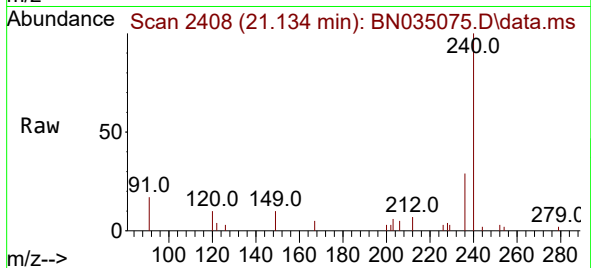
Tgt Ion:240 Resp: 15444

Ion Ratio Lower Upper

240 100

120 9.7 3.8 5.6#

236 29.3 22.2 33.2



#30

Pyrene

Concen: 0.035 ng

RT: 19.368 min Scan# 2041

Delta R.T. 0.002 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

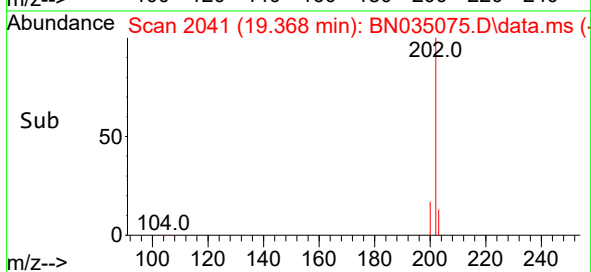
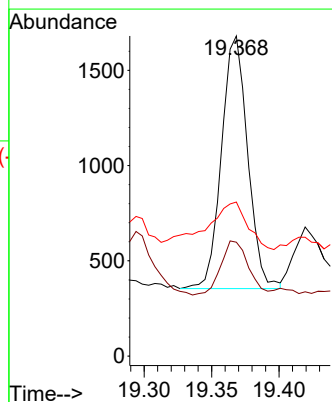
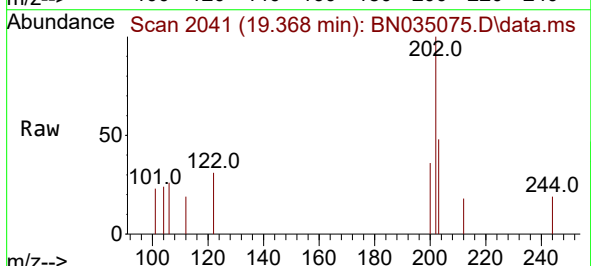
Tgt Ion:202 Resp: 1794

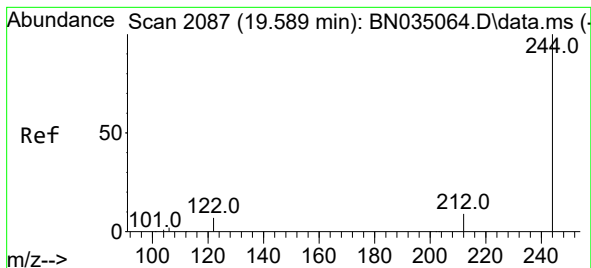
Ion Ratio Lower Upper

202 100

200 22.2 16.7 25.1

203 30.8 14.2 21.4#





#31

Terphenyl-d14

Concen: 0.439 ng

RT: 19.587 min Scan# 2087

Delta R.T. -0.002 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

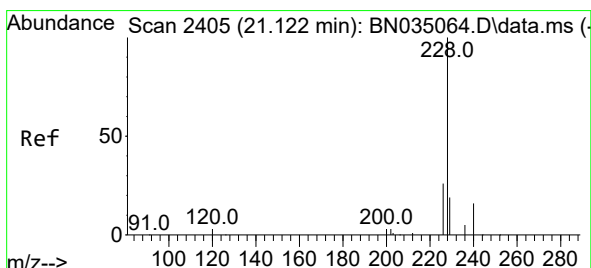
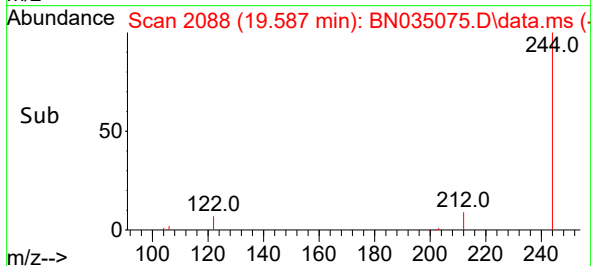
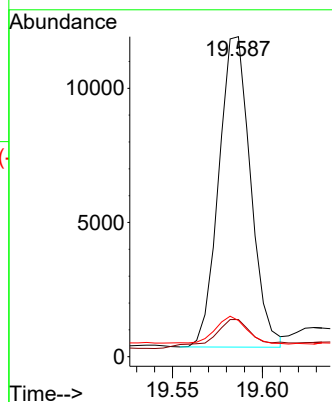
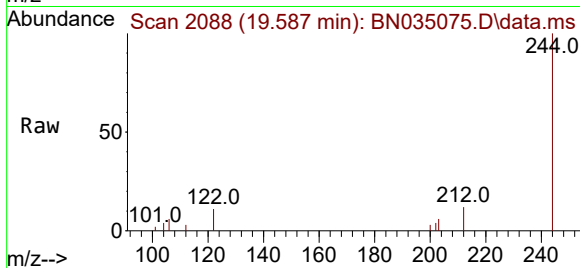
Tgt Ion:244 Resp: 14238

Ion Ratio Lower Upper

244 100

212 11.6 7.6 11.4#

122 11.3 6.1 9.1#



#32

Benzo(a)anthracene

Concen: 0.037 ng

RT: 21.116 min Scan# 2406

Delta R.T. -0.007 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

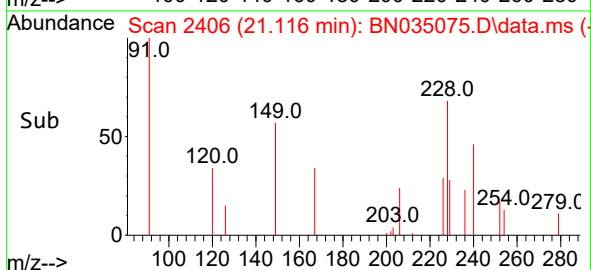
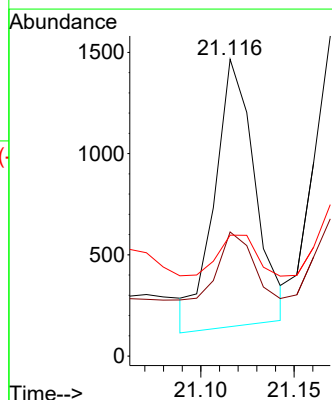
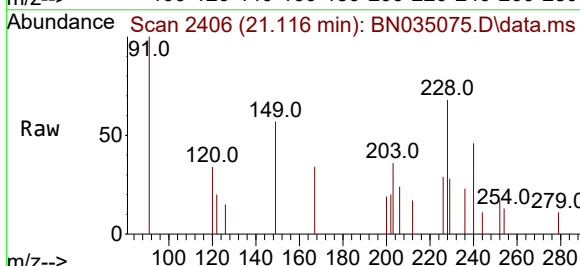
Tgt Ion:228 Resp: 1997

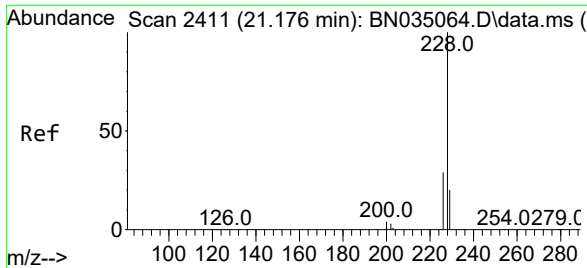
Ion Ratio Lower Upper

228 100

226 41.8 21.4 32.0#

229 40.7 15.7 23.5#





#33

Chrysene

Concen: 0.037 ng

RT: 21.169 min Scan# 2411

Delta R.T. -0.007 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2

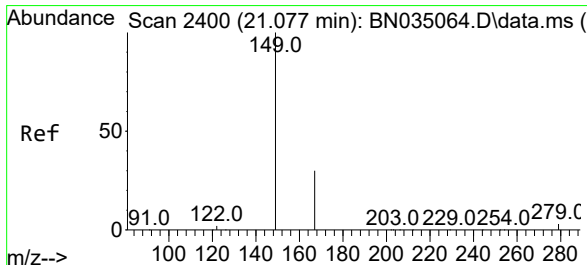
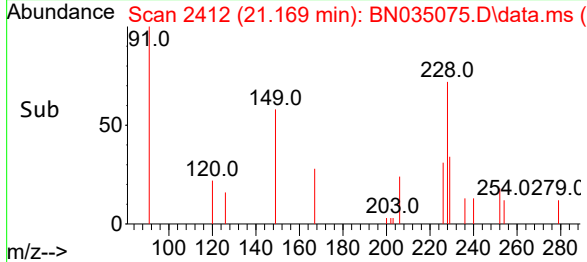
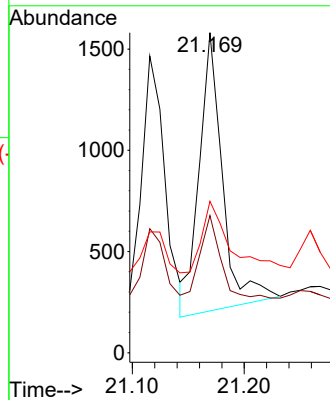
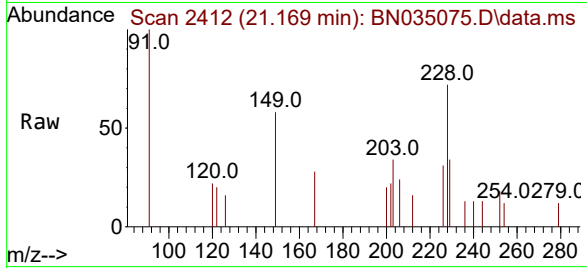
Tgt Ion:228 Resp: 1984

Ion Ratio Lower Upper

228 100

226 42.9 23.7 35.5#

229 47.3 16.2 24.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.071 min Scan# 2401

Delta R.T. -0.007 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

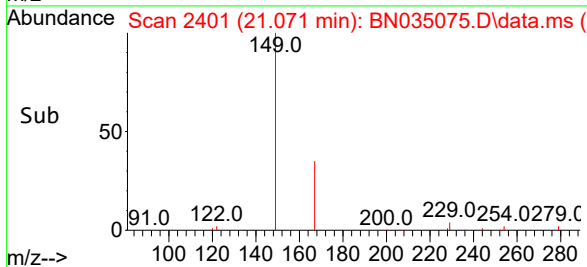
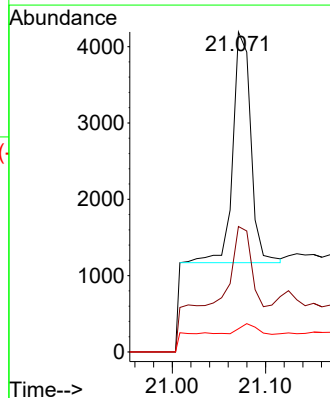
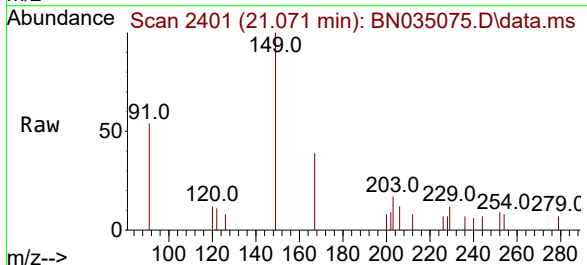
Tgt Ion:149 Resp: 4072

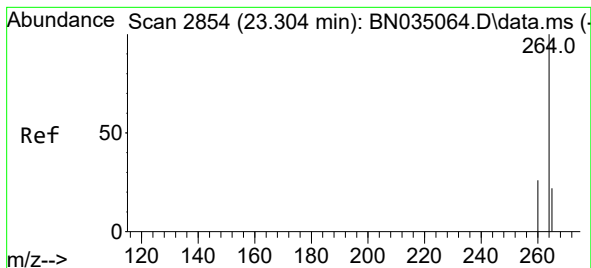
Ion Ratio Lower Upper

149 100

167 38.2 23.2 34.8#

279 4.3 3.2 4.8





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.300 min Scan# 21

Delta R.T. -0.004 min

Lab File: BN035075.D

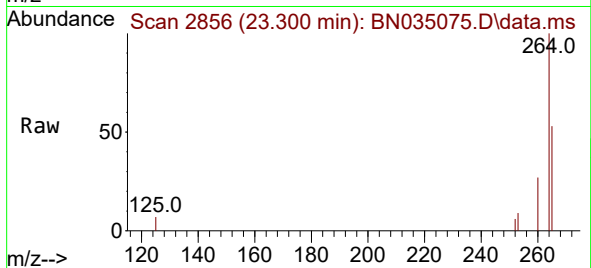
Acq: 13 Nov 2024 20:26

Instrument :

BNA_N

ClientSampleId :

TOWER-2



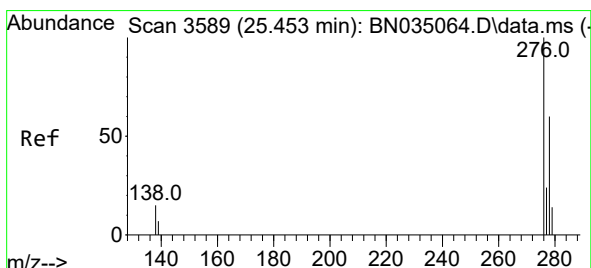
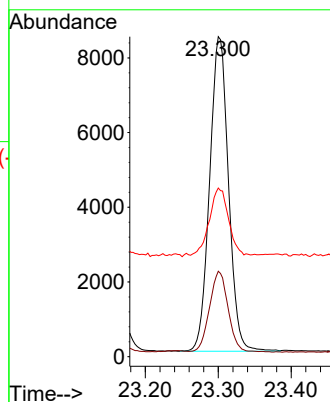
Tgt Ion:264 Resp: 15147

Ion Ratio Lower Upper

264 100

260 26.7 20.9 31.3

265 52.7 35.4 53.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 25.452 min Scan# 3592

Delta R.T. -0.001 min

Lab File: BN035075.D

Acq: 13 Nov 2024 20:26

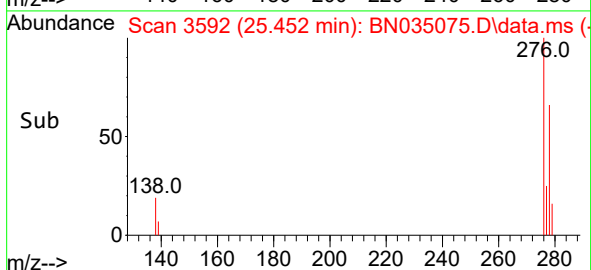
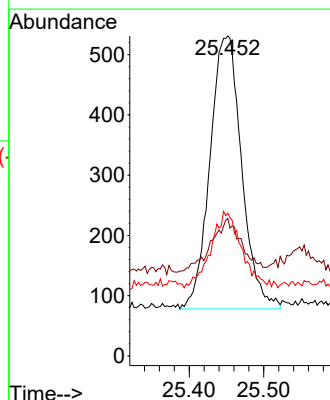
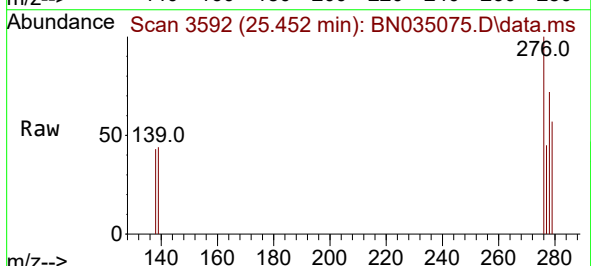
Tgt Ion:276 Resp: 1338

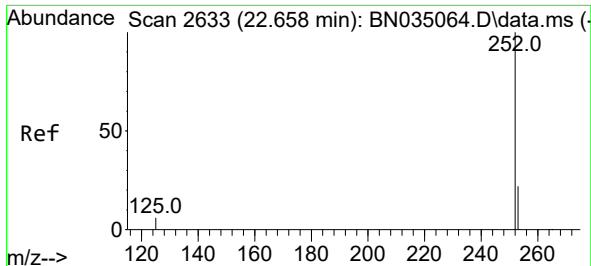
Ion Ratio Lower Upper

276 100

138 19.1 13.0 19.4

277 26.7 19.8 29.6

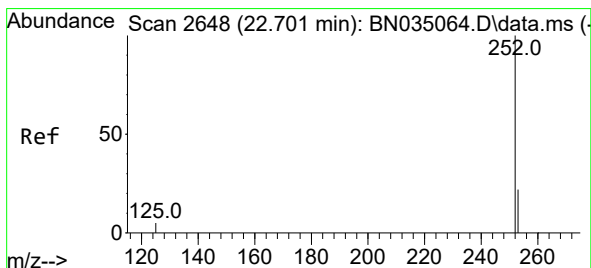
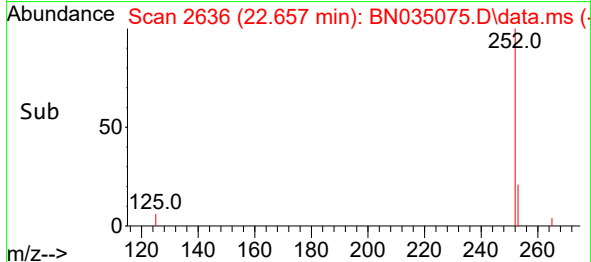
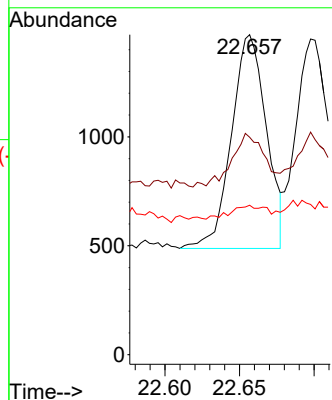
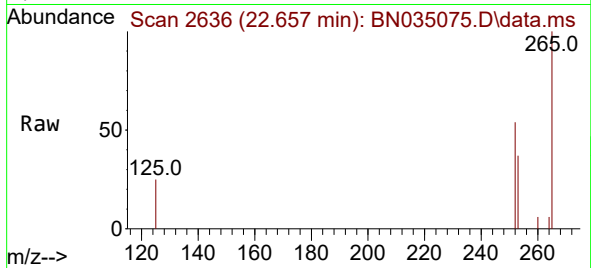




#37
Benzo(b)fluoranthene
Concen: 0.031 ng
RT: 22.657 min Scan# 2636
Delta R.T. -0.001 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

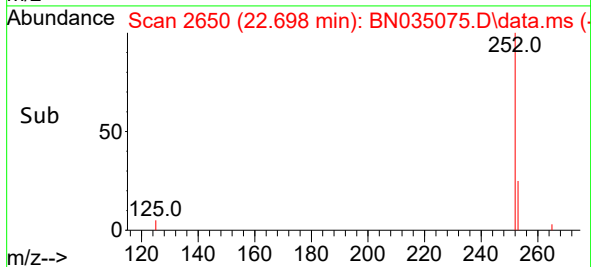
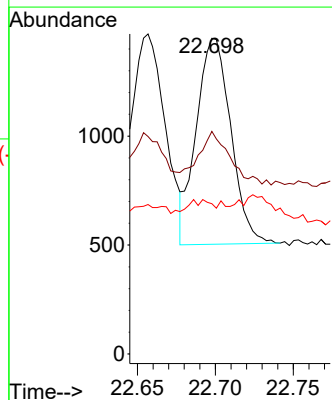
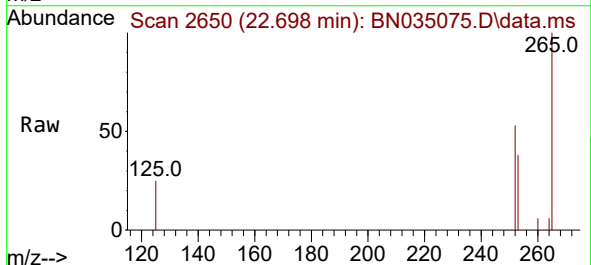
Instrument :
BNA_N
ClientSampleId :
TOWER-2

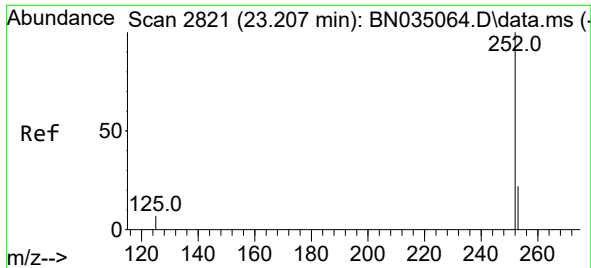
Tgt Ion:252 Resp: 1597
Ion Ratio Lower Upper
252 100
253 67.9 19.3 28.9#
125 46.7 6.2 9.2#



#38
Benzo(k)fluoranthene
Concen: 0.029 ng
RT: 22.698 min Scan# 2650
Delta R.T. -0.004 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Tgt Ion:252 Resp: 1457
Ion Ratio Lower Upper
252 100
253 70.5 19.5 29.3#
125 47.6 6.5 9.7#

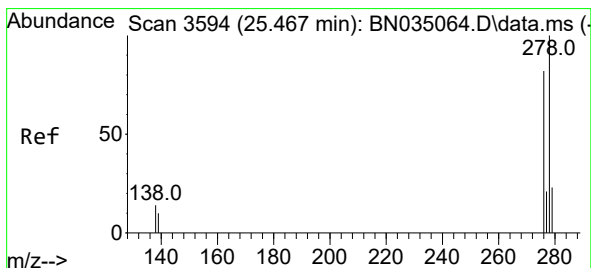
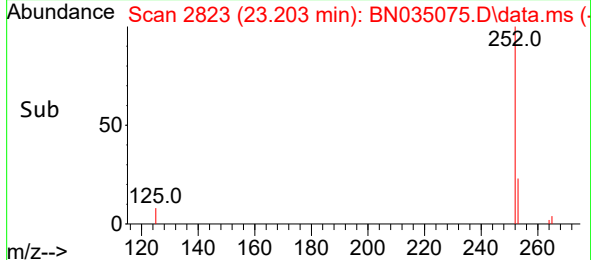
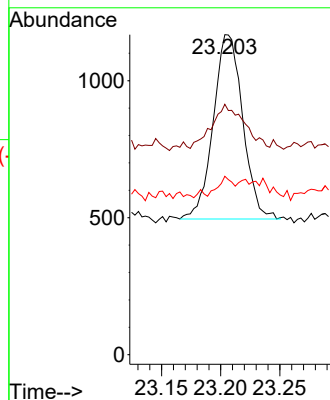
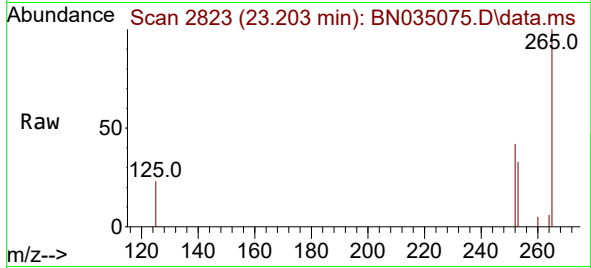




#39
Benzo(a)pyrene
Concen: 0.026 ng
RT: 23.203 min Scan# 2823
Delta R.T. -0.004 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Instrument :
BNA_N
ClientSampleId :
TOWER-2

Tgt Ion:252 Resp: 1167
Ion Ratio Lower Upper
252 100
253 78.3 20.1 30.1#
125 55.7 7.5 11.3#



#40
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 25.463 min Scan# 3596
Delta R.T. -0.004 min
Lab File: BN035075.D
Acq: 13 Nov 2024 20:26

Tgt Ion:278 Resp: 1062
Ion Ratio Lower Upper
278 100
139 50.1 9.3 13.9#
279 68.7 19.7 29.5#

