

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111324\
 Data File : BN035073.D
 Acq On : 13 Nov 2024 19:14
 Operator : RC/JU
 Sample : P4765-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DSN002

Quant Time: Nov 14 02:06:48 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)

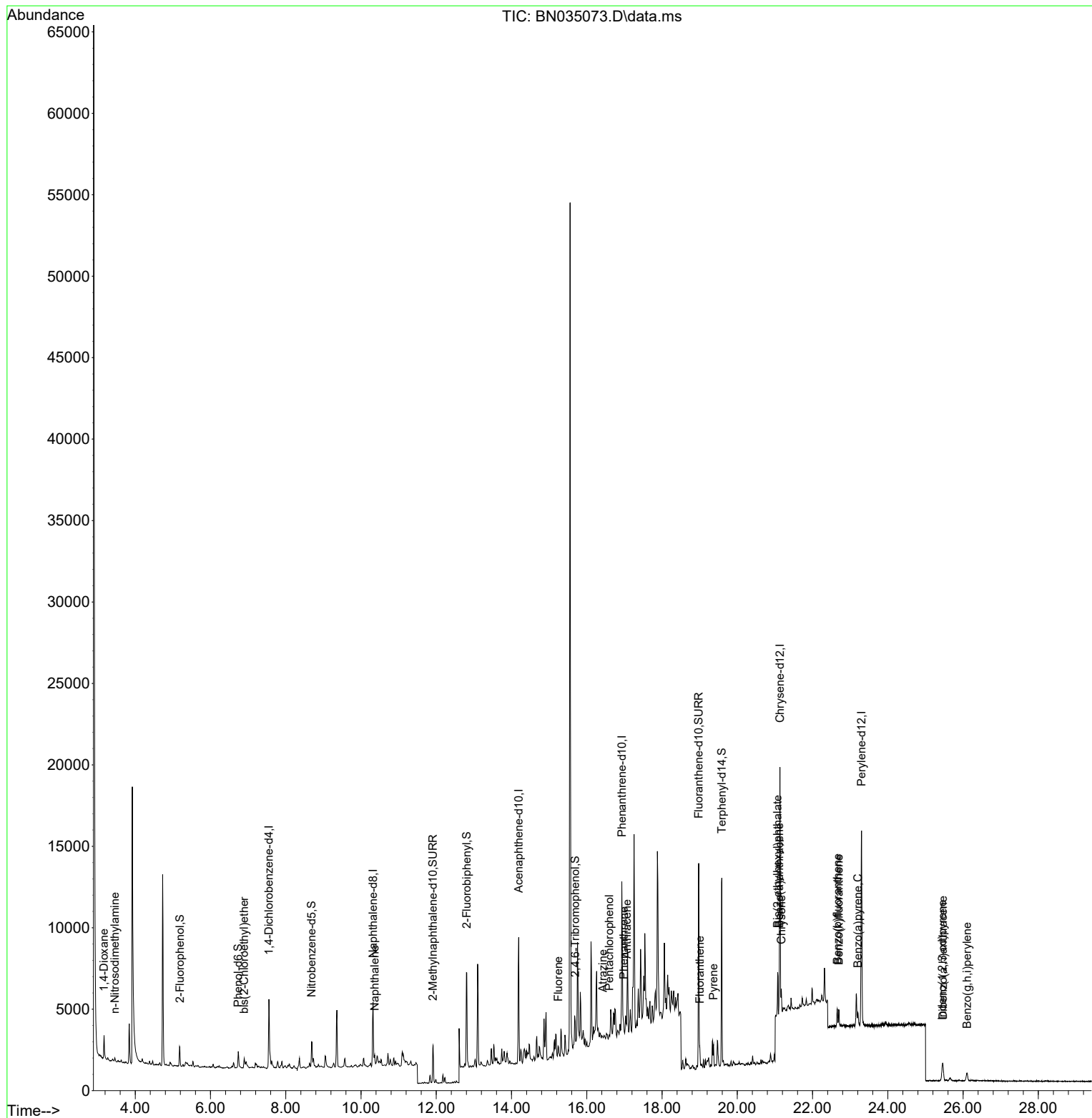
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	1971	0.400	ng	0.00
7) Naphthalene-d8	10.319	136	5137	0.400	ng	0.00
13) Acenaphthene-d10	14.190	164	4364	0.400	ng	0.00
19) Phenanthrene-d10	16.932	188	11127	0.400	ng	# 0.00
29) Chrysene-d12	21.133	240	12967	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	14627	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1015	0.203	ng	0.00
5) Phenol-d6	6.737	99	940	0.150	ng	0.00
8) Nitrobenzene-d5	8.685	82	1566	0.350	ng	-0.01
11) 2-Methylnaphthalene-d10	11.912	152	3164	0.346	ng	0.00
14) 2,4,6-Tribromophenol	15.691	330	1139	0.362	ng	0.00
15) 2-Fluorobiphenyl	12.811	172	5594	0.316	ng	0.00
27) Fluoranthene-d10	18.973	212	14344	0.421	ng	0.00
31) Terphenyl-d14	19.587	244	11606	0.427	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.169	88	1117	0.624	ng	# 91
3) n-Nitrosodimethylamine	3.458	42	49	0.029	ng	# 1
6) bis(2-Chloroethyl)ether	6.896	93	1040	0.221	ng	# 35
9) Naphthalene	10.361	128	345	0.026	ng	# 52
18) Fluorene	15.238	166	429	0.024	ng	96
23) Atrazine	16.423	200	130	0.020	ng	# 9
24) Pentachlorophenol	16.597	266	109	0.032	ng	95
25) Phenanthrene	16.982	178	813	0.028	ng	# 85
26) Anthracene	17.069	178	665	0.025	ng	# 83
28) Fluoranthene	19.006	202	988	0.025	ng	97
30) Pyrene	19.368	202	1196	0.028	ng	# 92
32) Benzo(a)anthracene	21.116	228	1371	0.030	ng	# 78
33) Chrysene	21.169	228	1374	0.031	ng	# 78
34) Bis(2-ethylhexyl)phtha...	21.071	149	2672	0.113	ng	# 86
36) Indeno(1,2,3-cd)pyrene	25.449	276	1343	0.023	ng	97
37) Benzo(b)fluoranthene	22.657	252	1309	0.027	ng	# 24
38) Benzo(k)fluoranthene	22.698	252	1227	0.025	ng	# 20
39) Benzo(a)pyrene	23.203	252	1187	0.027	ng	# 9
40) Dibenzo(a,h)anthracene	25.463	278	1113	0.024	ng	# 37
41) Benzo(g,h,i)perylene	26.104	276	1008	0.020	ng	# 62

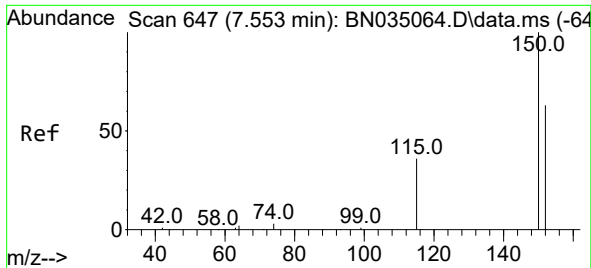
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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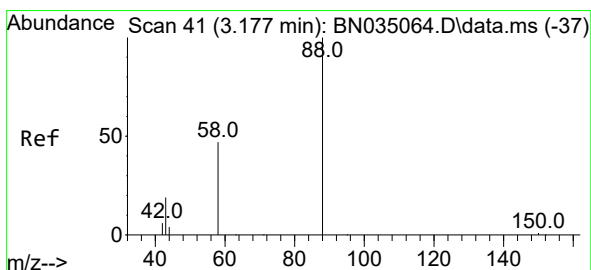
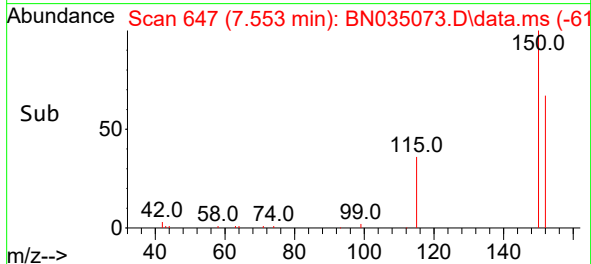
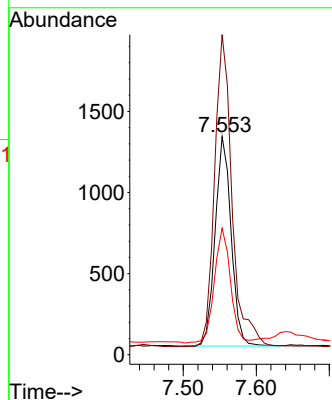
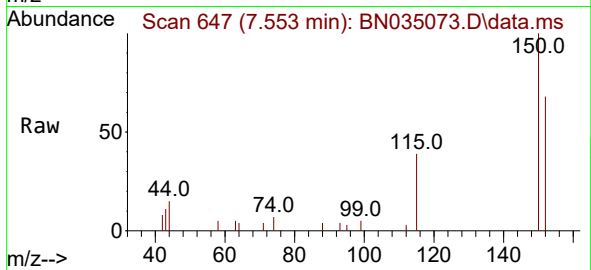




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.553 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN035073.D
 Acq: 13 Nov 2024 19:14

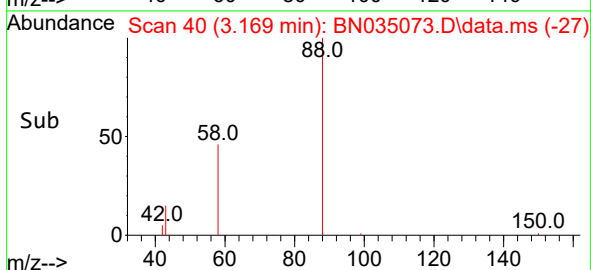
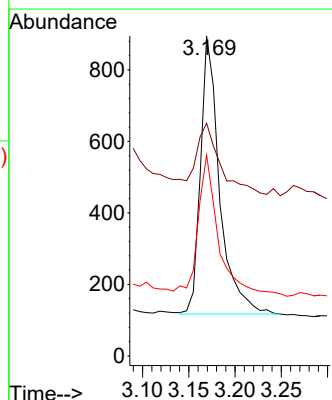
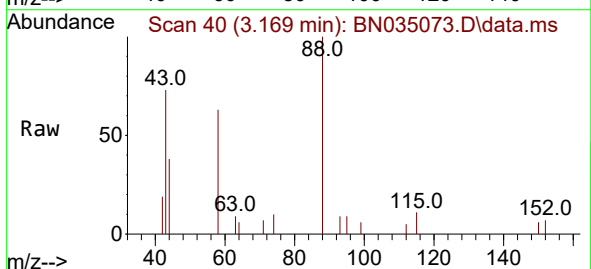
Instrument :
 BNA_N
 ClientSampleId :
 DSN002

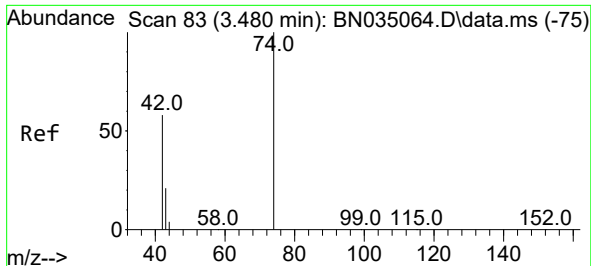
Tgt Ion:152 Resp: 1971
 Ion Ratio Lower Upper
 152 100
 150 146.7 124.5 186.7
 115 57.9 47.8 71.6



#2
 1,4-Dioxane
 Concen: 0.624 ng
 RT: 3.169 min Scan# 40
 Delta R.T. -0.007 min
 Lab File: BN035073.D
 Acq: 13 Nov 2024 19:14

Tgt Ion: 88 Resp: 1117
 Ion Ratio Lower Upper
 88 100
 43 31.1 16.9 25.3#
 58 50.9 39.0 58.4

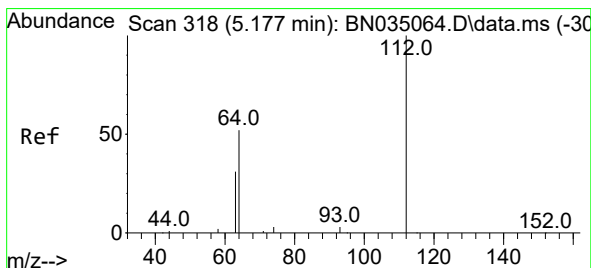
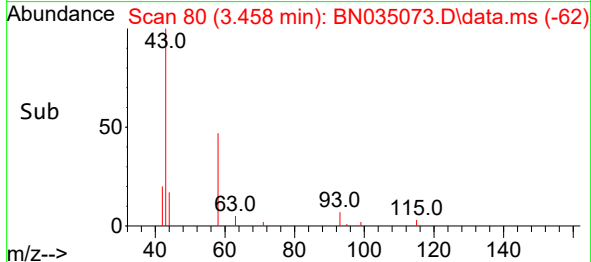
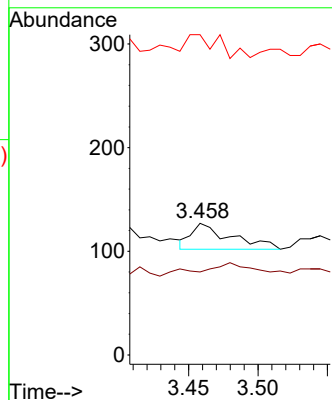
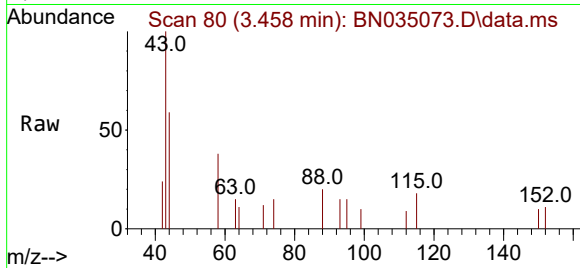




#3
n-Nitrosodimethylamine
Concen: 0.029 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.022 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

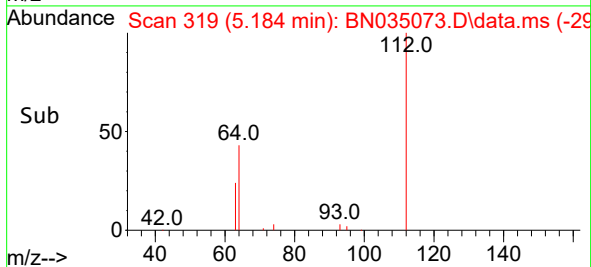
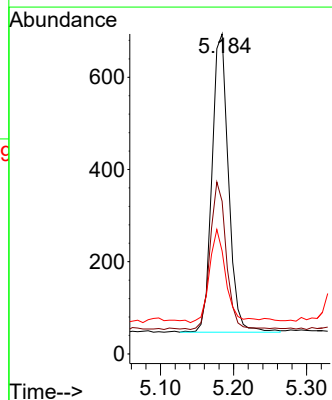
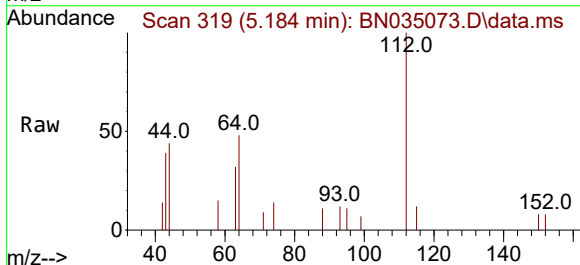
Instrument :
BNA_N
ClientSampleId :
DSN002

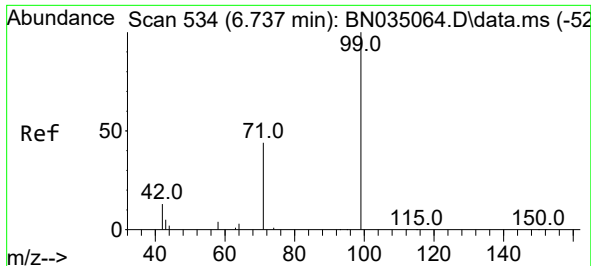
Tgt Ion: 42 Resp: 49
Ion Ratio Lower Upper
42 100
74 18.4 120.8 181.2#
44 98.0 2.9 4.3#



#4
2-Fluorophenol
Concen: 0.203 ng
RT: 5.184 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion: 112 Resp: 1015
Ion Ratio Lower Upper
112 100
64 48.5 39.7 59.5
63 31.2 23.0 34.4

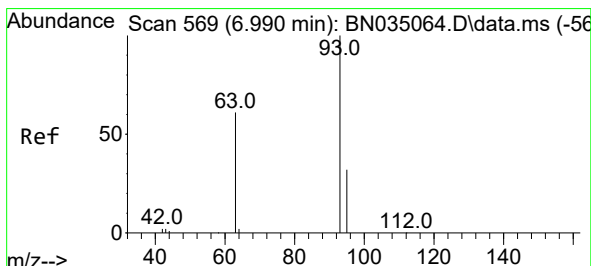
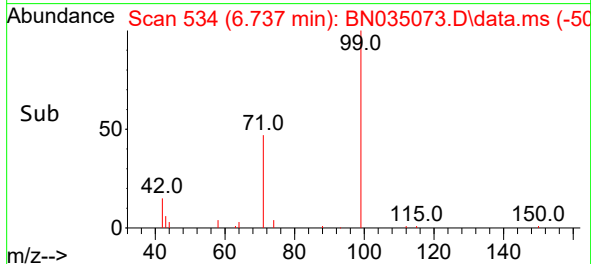
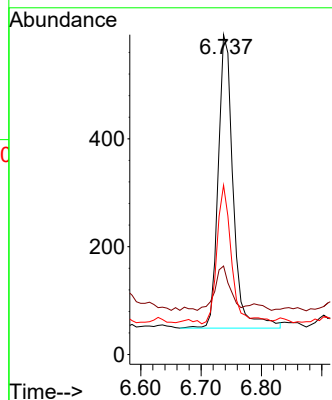
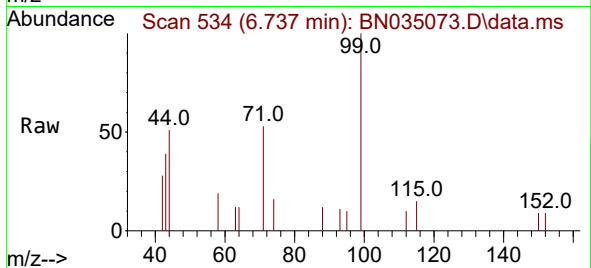




#5
Phenol-d6
Concen: 0.150 ng
RT: 6.737 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

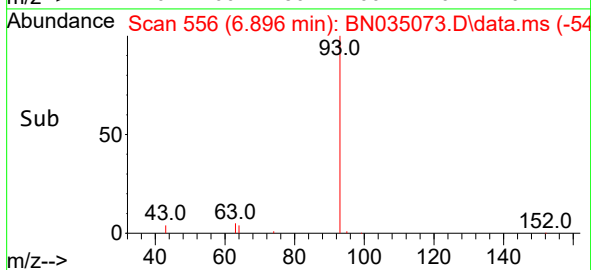
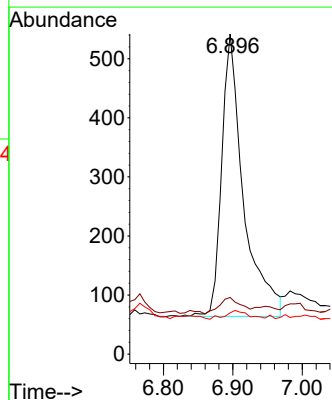
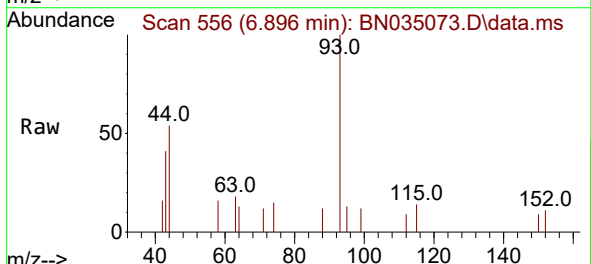
Instrument :
BNA_N
ClientSampleId :
DSN002

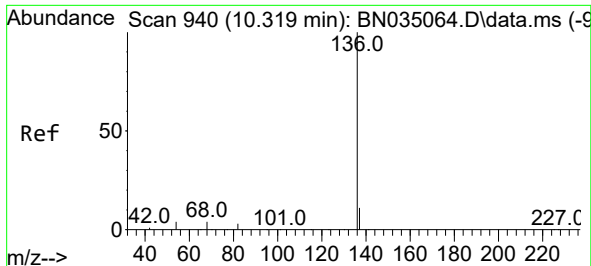
Tgt Ion: 99 Resp: 940
Ion Ratio Lower Upper
99 100
42 15.1 11.4 17.0
71 46.4 34.6 51.8



#6
bis(2-Chloroethyl)ether
Concen: 0.221 ng
RT: 6.896 min Scan# 556
Delta R.T. -0.094 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion: 93 Resp: 1040
Ion Ratio Lower Upper
93 100
63 5.8 47.4 71.2#
95 3.3 26.2 39.4#

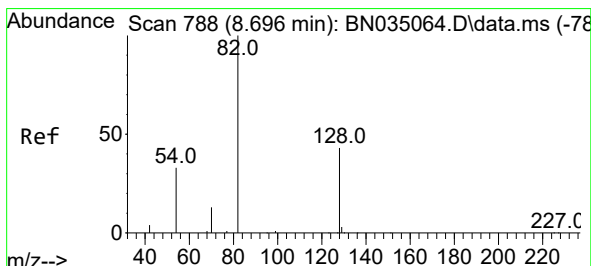
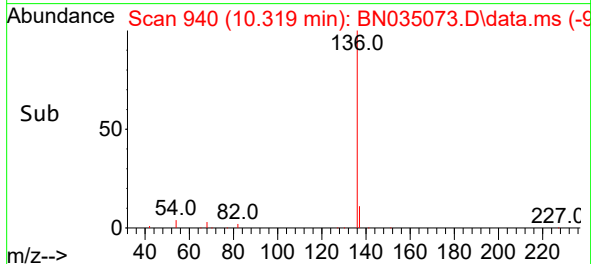
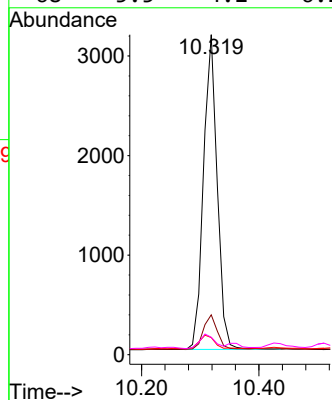
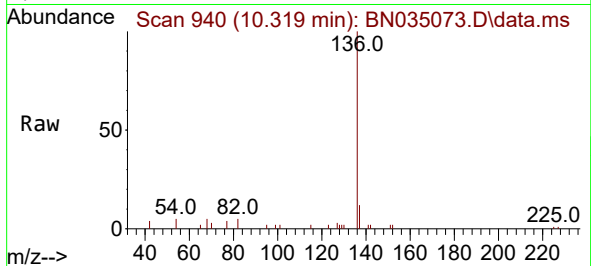




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

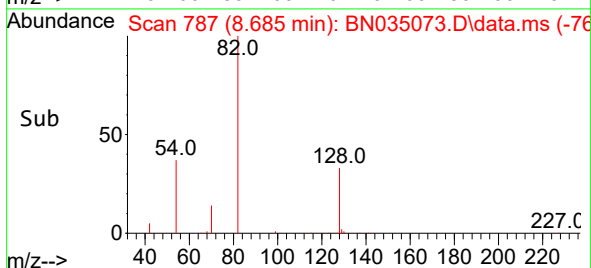
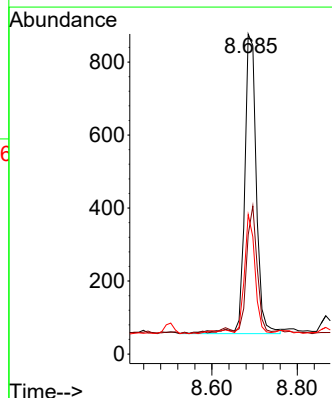
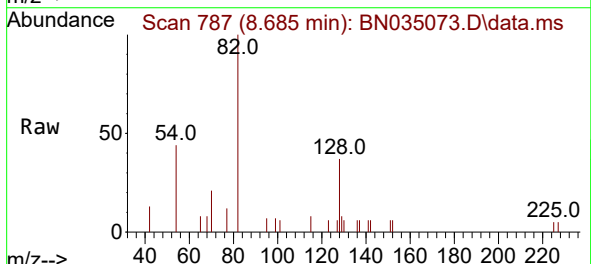
Instrument :
BNA_N
ClientSampleId :
DSN002

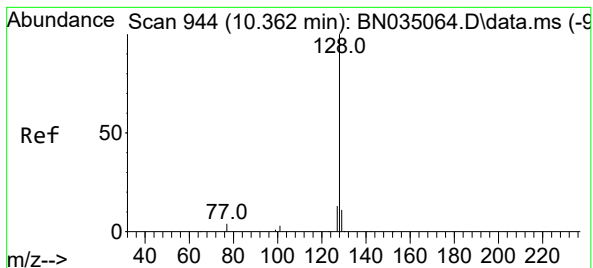
Tgt Ion:	136	Resp:	5137
Ion Ratio	Lower	Upper	
136	100		
137	12.5	9.8	14.8
54	5.4	4.0	6.0
68	5.5	4.2	6.2



#8
Nitrobenzene-d5
Concen: 0.350 ng
RT: 8.685 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion:	82	Resp:	1566
Ion Ratio	Lower	Upper	
82	100		
128	37.3	36.5	54.7
54	43.6	28.7	43.1





#9

Naphthalene

Concen: 0.026 ng

RT: 10.361 min Scan# 944

Delta R.T. -0.000 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002

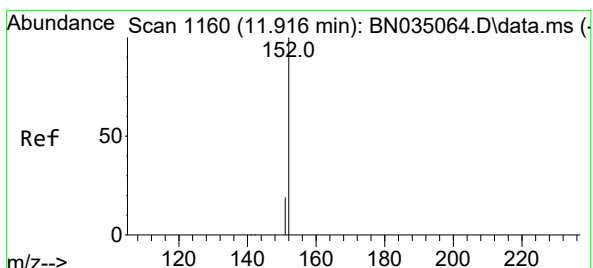
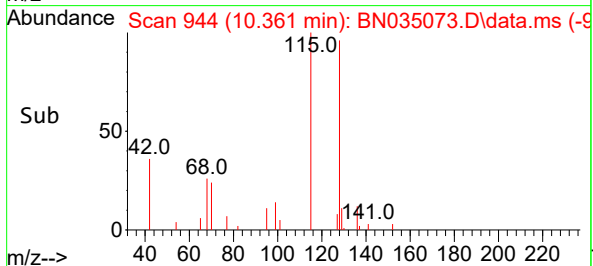
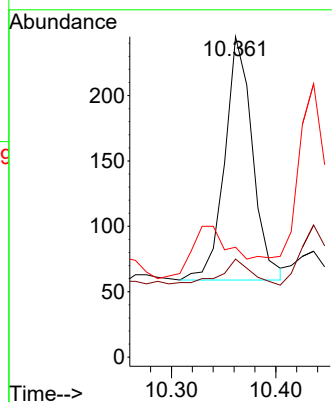
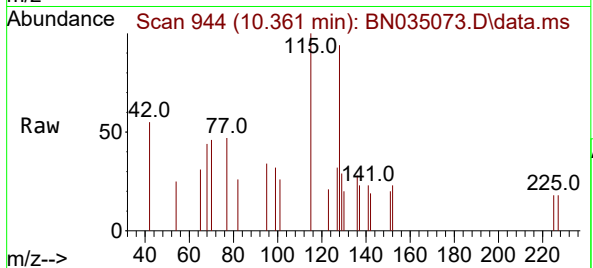
Tgt Ion:128 Resp: 345

Ion Ratio Lower Upper

128 100

129 30.6 9.6 14.4#

127 34.3 11.6 17.4#



#11

2-Methylnaphthalene-d10

Concen: 0.346 ng

RT: 11.912 min Scan# 1159

Delta R.T. -0.004 min

Lab File: BN035073.D

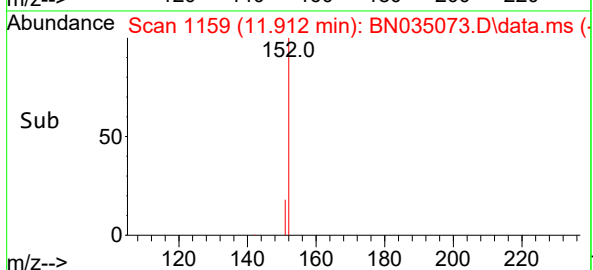
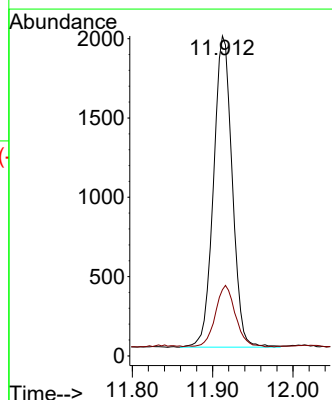
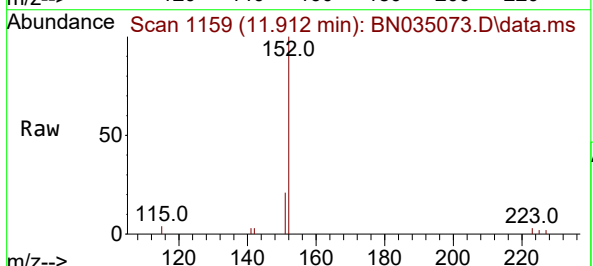
Acq: 13 Nov 2024 19:14

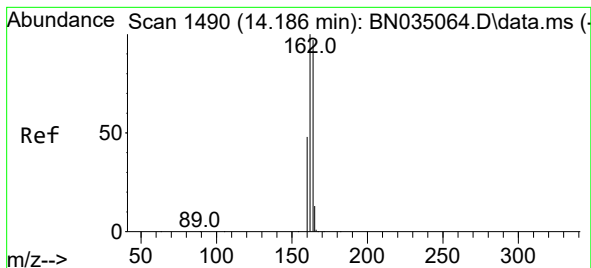
Tgt Ion:152 Resp: 3164

Ion Ratio Lower Upper

152 100

151 21.0 16.2 24.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.190 min Scan# 1490

Delta R.T. 0.004 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002

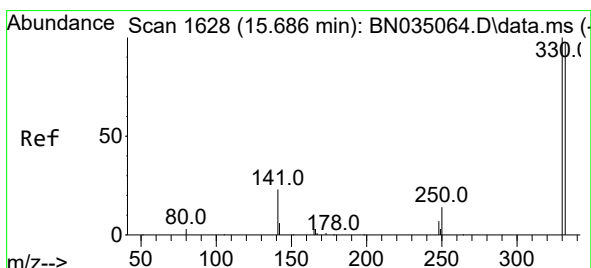
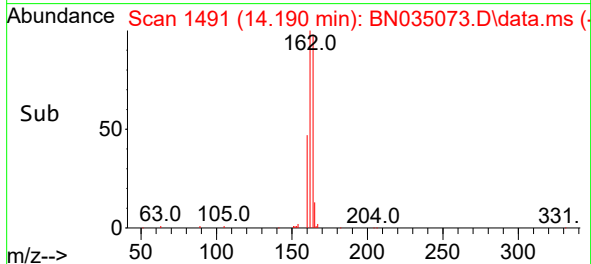
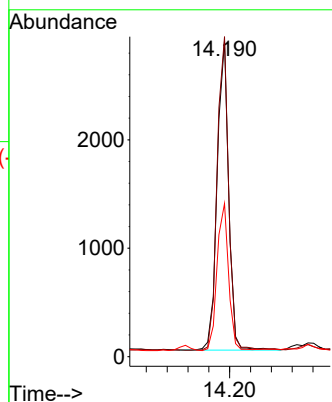
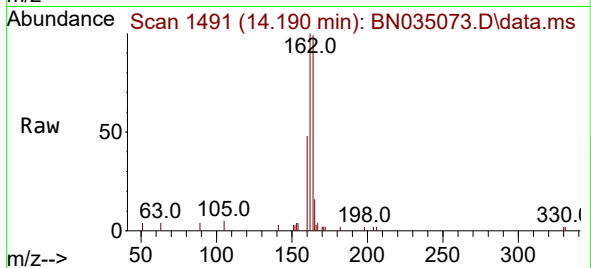
Tgt Ion:164 Resp: 4364

Ion Ratio Lower Upper

164 100

162 101.3 82.2 123.2

160 48.5 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.362 ng

RT: 15.691 min Scan# 1629

Delta R.T. 0.005 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

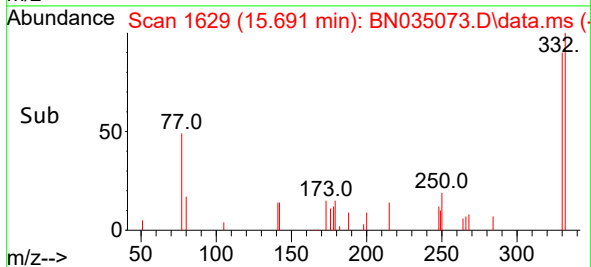
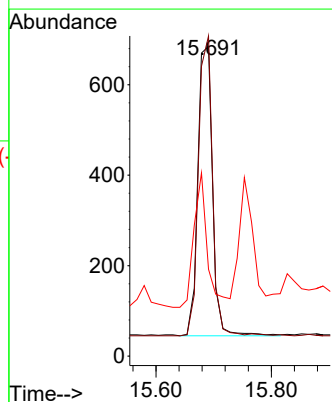
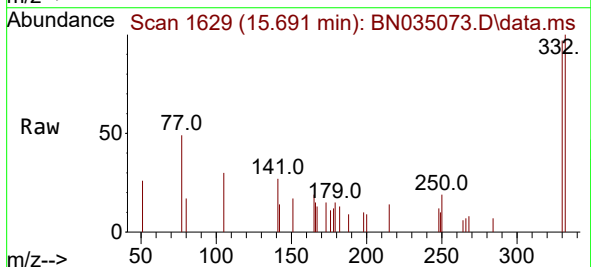
Tgt Ion:330 Resp: 1139

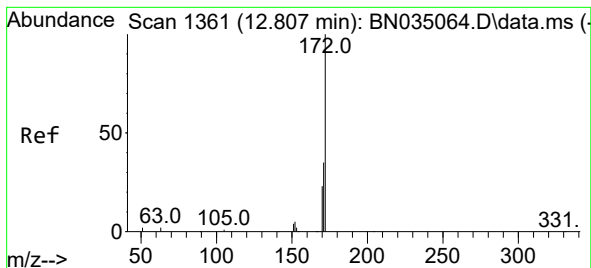
Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

141 42.4 29.6 44.4





#15

2-Fluorobiphenyl

Concen: 0.316 ng

RT: 12.811 min Scan# 1

Delta R.T. 0.004 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

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DSN002

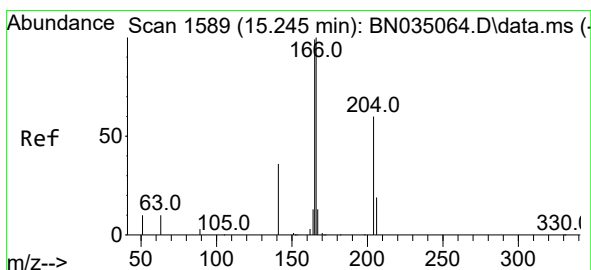
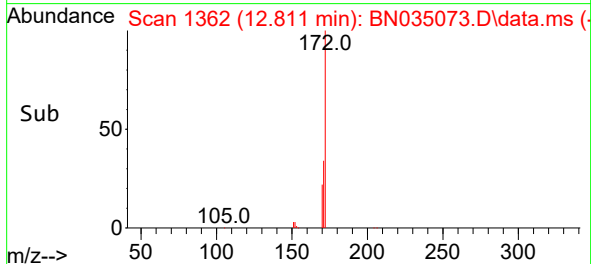
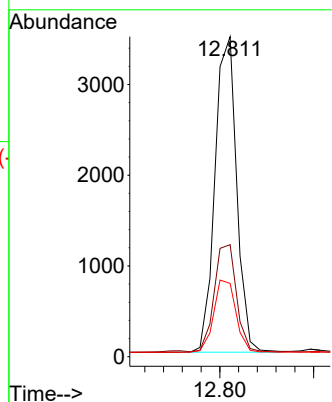
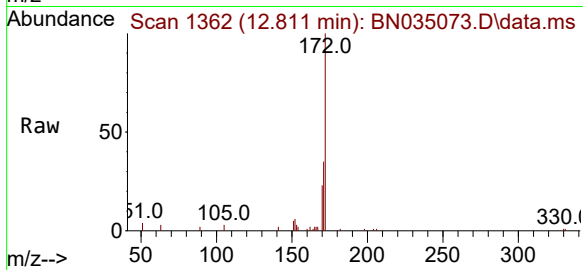
Tgt Ion:172 Resp: 5594

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.9 19.0 28.6



#18

Fluorene

Concen: 0.024 ng

RT: 15.238 min Scan# 1589

Delta R.T. -0.007 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

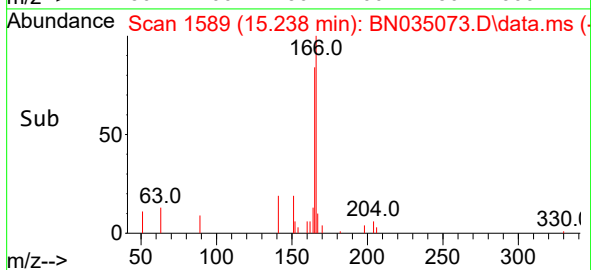
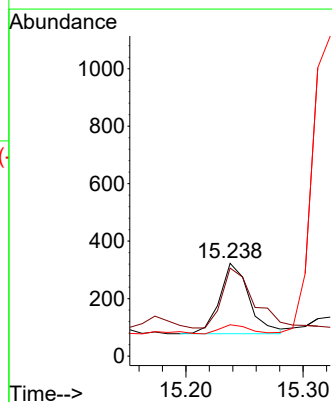
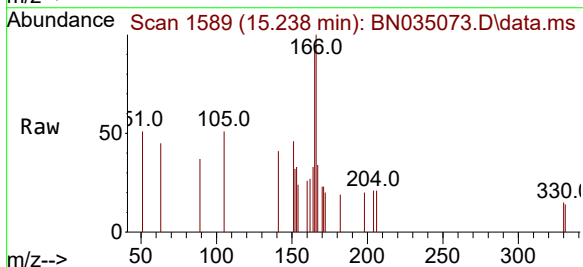
Tgt Ion:166 Resp: 429

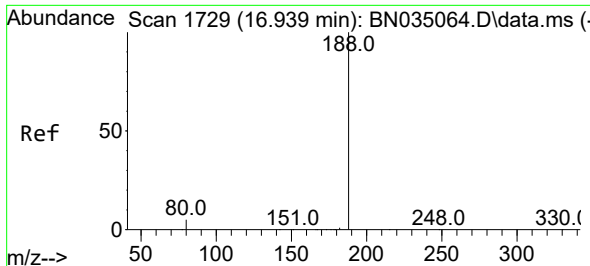
Ion Ratio Lower Upper

166 100

165 94.4 79.1 118.7

167 13.1 10.6 16.0

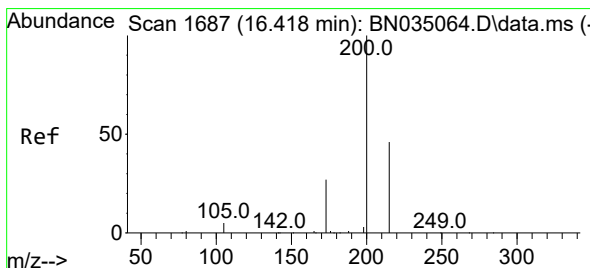
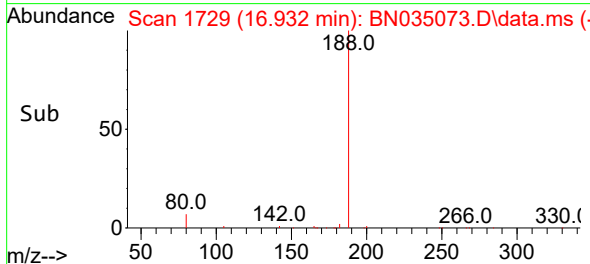
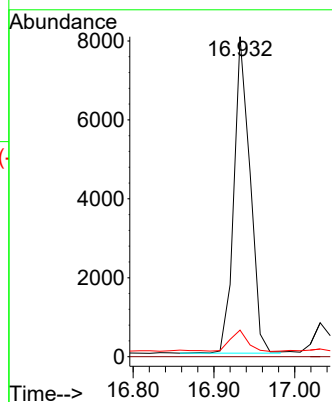
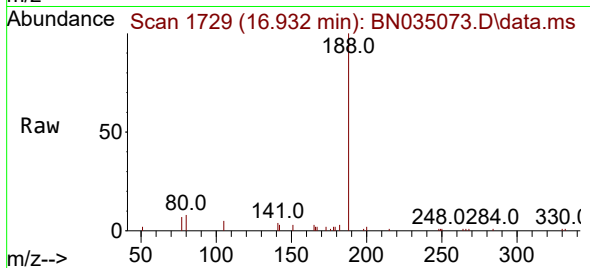




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

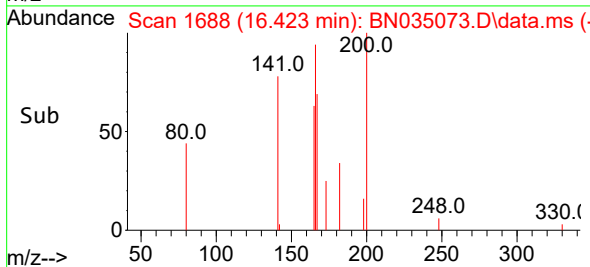
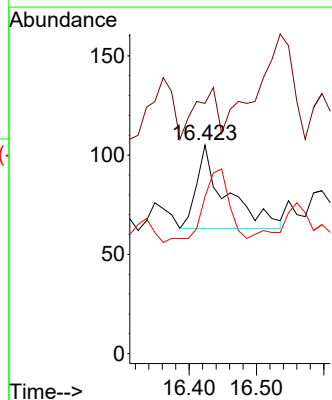
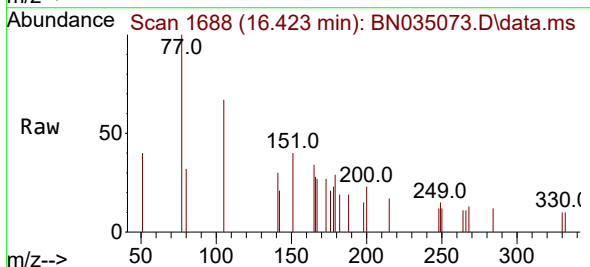
Instrument :
BNA_N
ClientSampleId :
DSN002

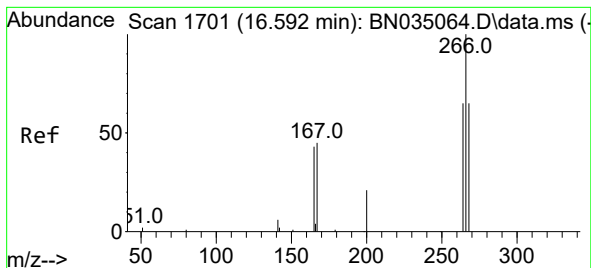
Tgt Ion:188 Resp: 11127
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 4.3 6.5#



#23
Atrazine
Concen: 0.020 ng
RT: 16.423 min Scan# 1688
Delta R.T. 0.005 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion:200 Resp: 130
Ion Ratio Lower Upper
200 100
173 120.0 22.6 33.8#
215 75.2 37.8 56.6#





#24

Pentachlorophenol

Concen: 0.032 ng

RT: 16.597 min Scan# 1701

Delta R.T. 0.005 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002

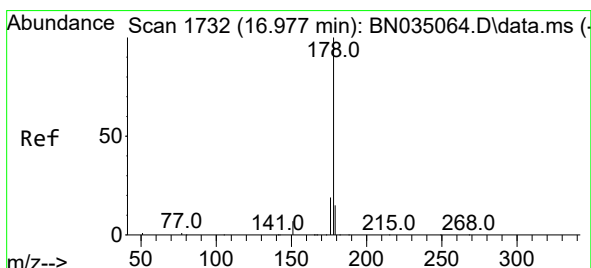
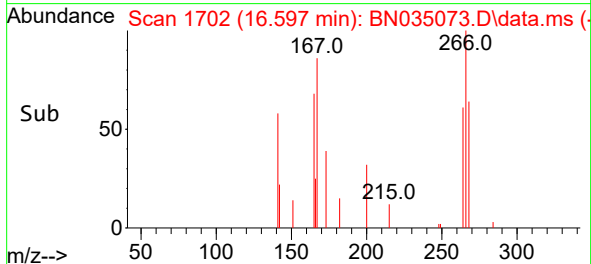
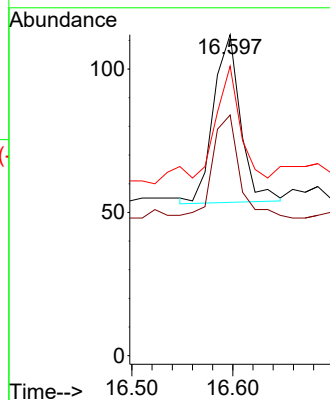
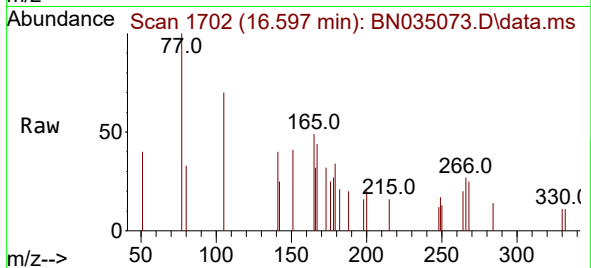
Tgt Ion:266 Resp: 109

Ion Ratio Lower Upper

266 100

264 60.6 49.4 74.0

268 72.5 52.6 79.0



#25

Phenanthrene

Concen: 0.028 ng

RT: 16.982 min Scan# 1733

Delta R.T. 0.005 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

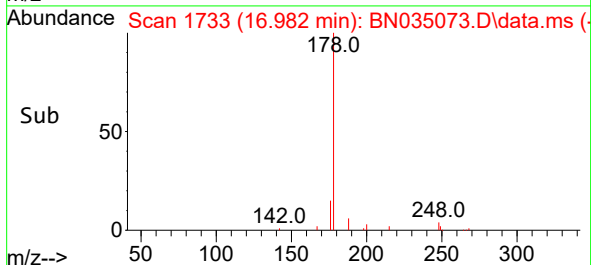
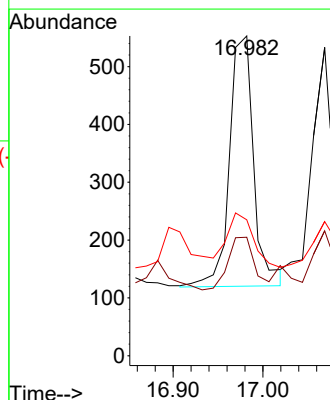
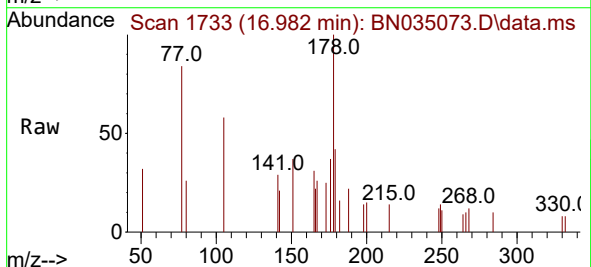
Tgt Ion:178 Resp: 813

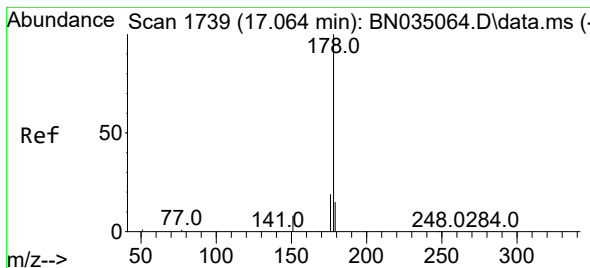
Ion Ratio Lower Upper

178 100

176 24.5 15.2 22.8#

179 23.1 12.6 18.8#





#26

Anthracene

Concen: 0.025 ng

RT: 17.069 min Scan# 1740

Delta R.T. 0.005 min

Lab File: BN035073.D

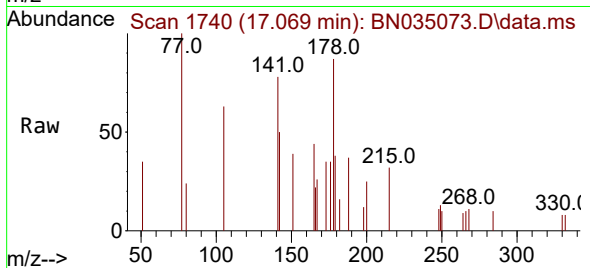
Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002



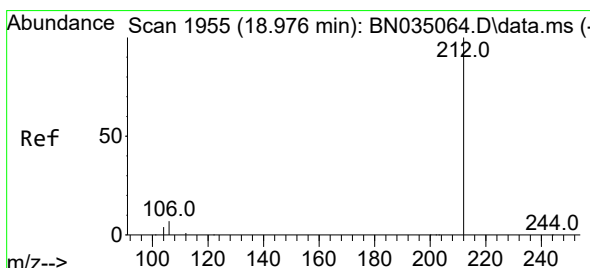
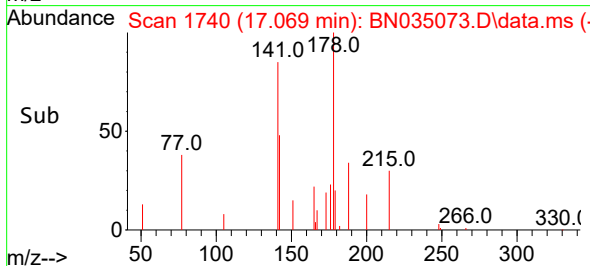
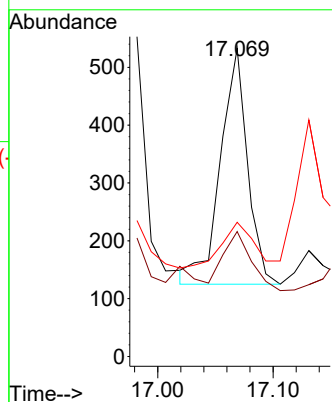
Tgt Ion:178 Resp: 665

Ion	Ratio	Lower	Upper
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178	100		
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176	25.7	14.6	22.0#
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179	22.6	12.2	18.2#
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#27

Fluoranthene-d10

Concen: 0.421 ng

RT: 18.973 min Scan# 1956

Delta R.T. -0.002 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

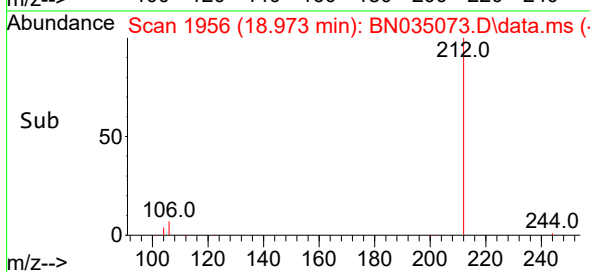
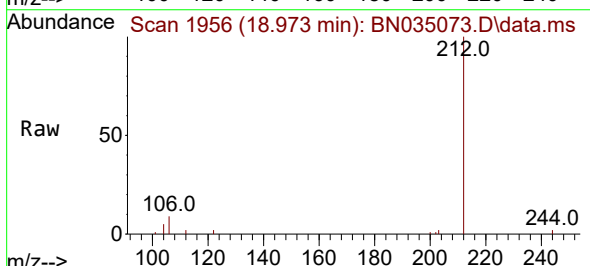
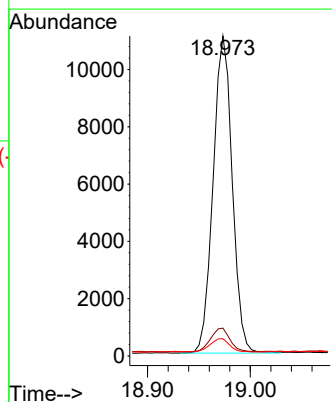
Tgt Ion:212 Resp: 14344

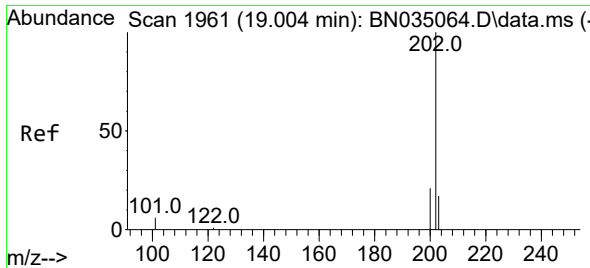
Ion	Ratio	Lower	Upper
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212	100		
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106	7.6	6.0	9.0
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104	4.2	3.5	5.3
-----	-----	-----	-----

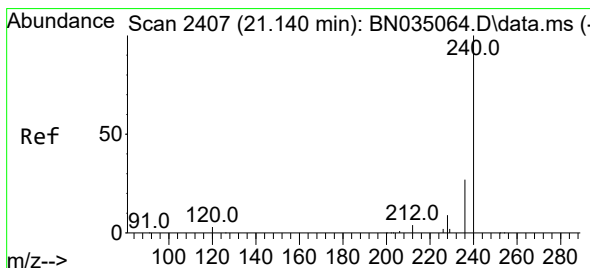
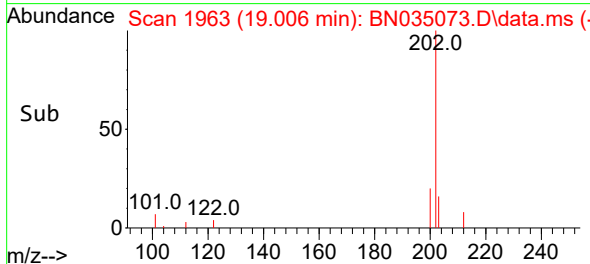
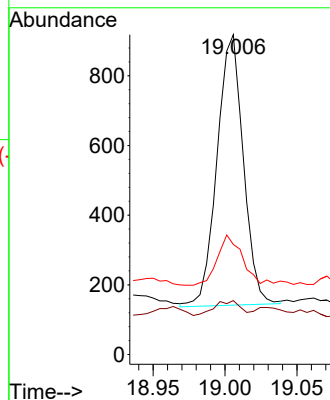
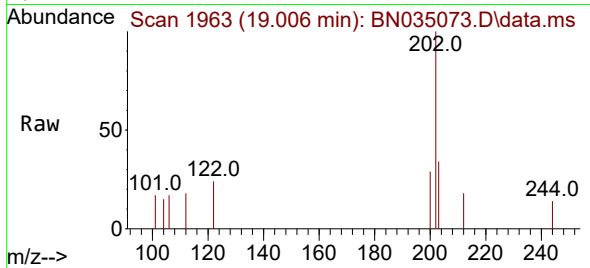




#28
Fluoranthene
Concen: 0.025 ng
RT: 19.006 min Scan# 1961
Delta R.T. 0.002 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

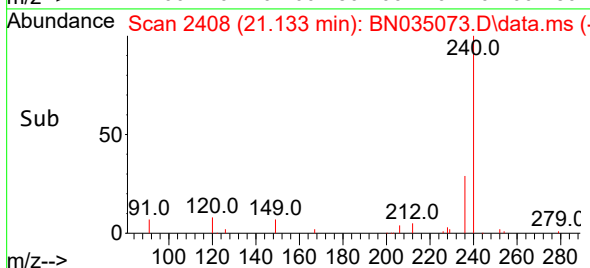
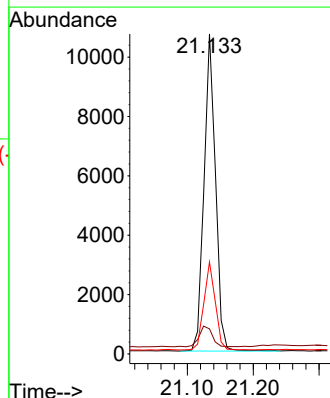
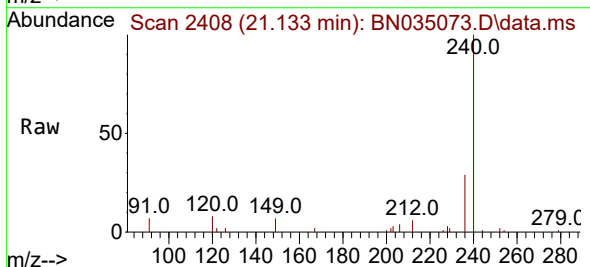
Instrument :
BNA_N
ClientSampleId :
DSN002

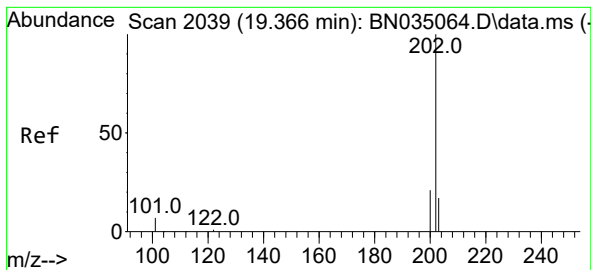
Tgt Ion:202 Resp: 988
Ion Ratio Lower Upper
202 100
101 5.3 5.2 7.8
203 18.6 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 2408
Delta R.T. -0.007 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion:240 Resp: 12967
Ion Ratio Lower Upper
240 100
120 7.8 3.8 5.6#
236 28.8 22.2 33.2





#30

Pyrene

Concen: 0.028 ng

RT: 19.368 min Scan# 2039

Delta R.T. 0.002 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002

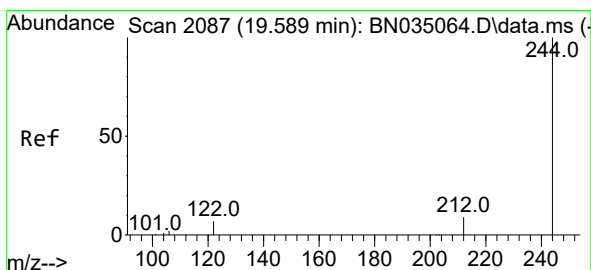
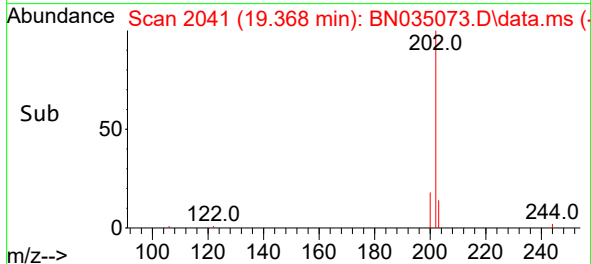
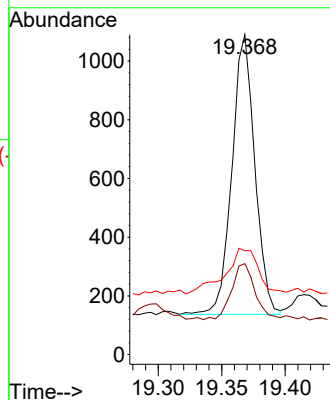
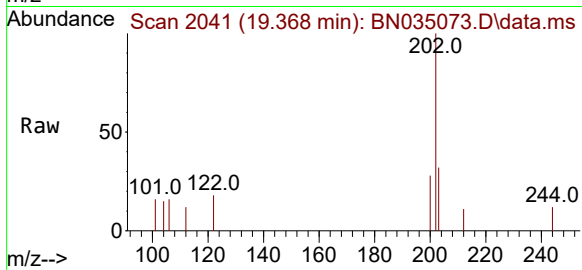
Tgt Ion:202 Resp: 1196

Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

203 24.4 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.427 ng

RT: 19.587 min Scan# 2088

Delta R.T. -0.002 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

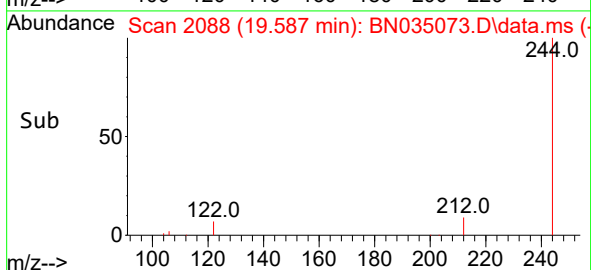
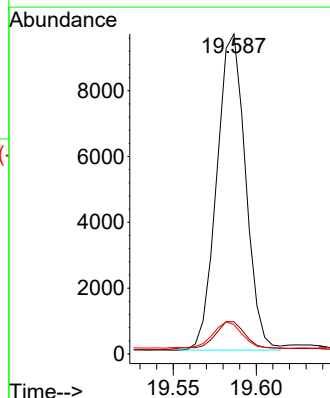
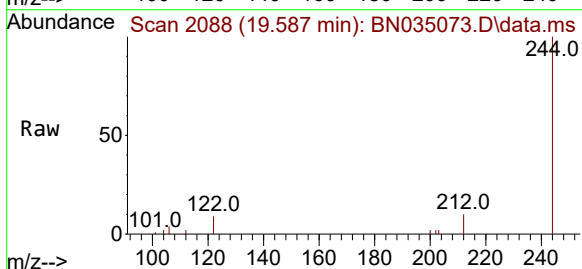
Tgt Ion:244 Resp: 11606

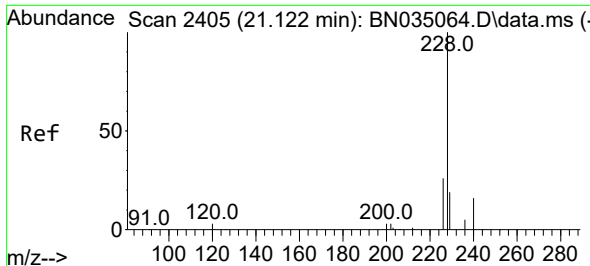
Ion Ratio Lower Upper

244 100

212 10.0 7.6 11.4

122 9.2 6.1 9.1#

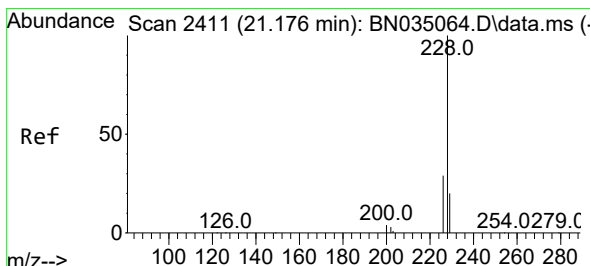
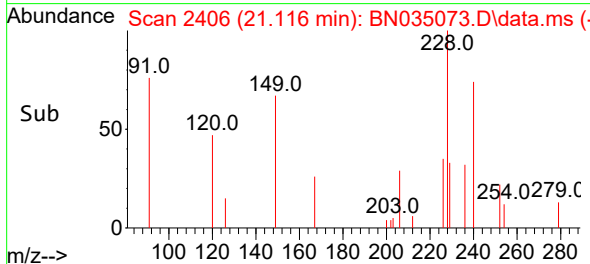
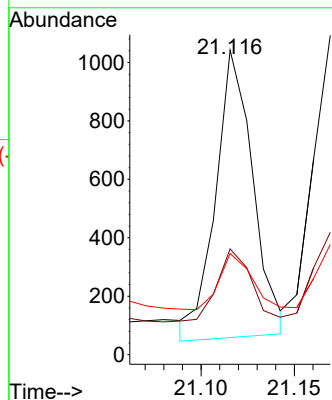
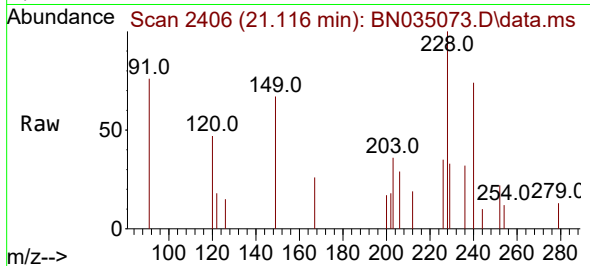




#32
Benzo(a)anthracene
Concen: 0.030 ng
RT: 21.116 min Scan# 2406
Delta R.T. -0.007 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

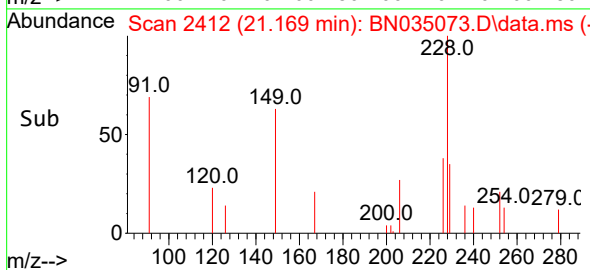
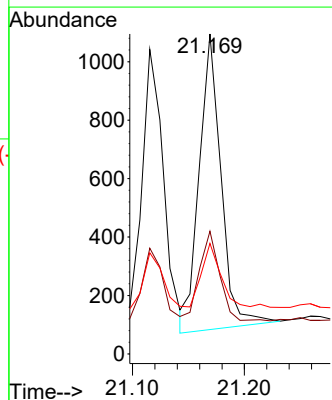
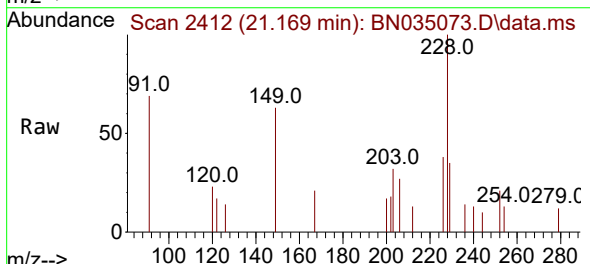
Instrument :
BNA_N
ClientSampleId :
DSN002

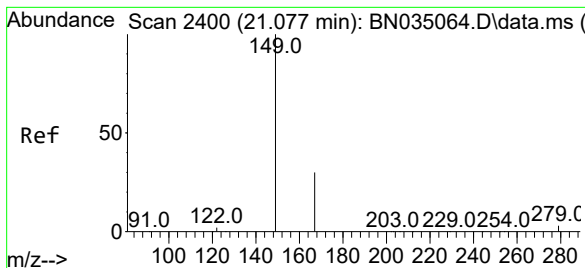
Tgt Ion:228 Resp: 1371
Ion Ratio Lower Upper
228 100
226 34.7 21.4 32.0#
229 33.2 15.7 23.5#



#33
Chrysene
Concen: 0.031 ng
RT: 21.169 min Scan# 2412
Delta R.T. -0.007 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion:228 Resp: 1374
Ion Ratio Lower Upper
228 100
226 38.4 23.7 35.5#
229 34.5 16.2 24.4#

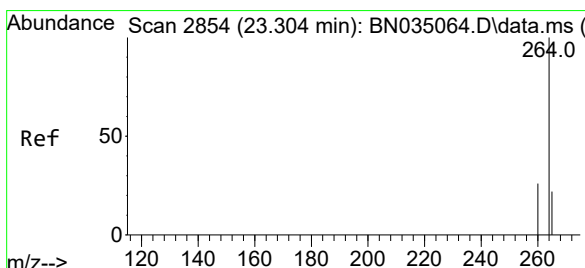
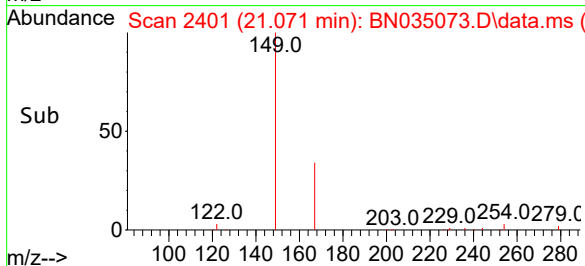
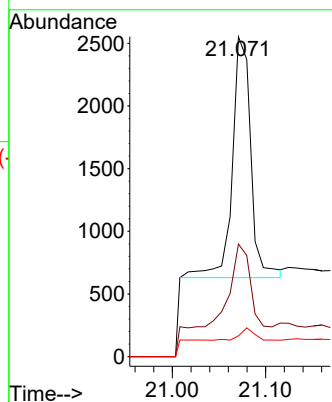
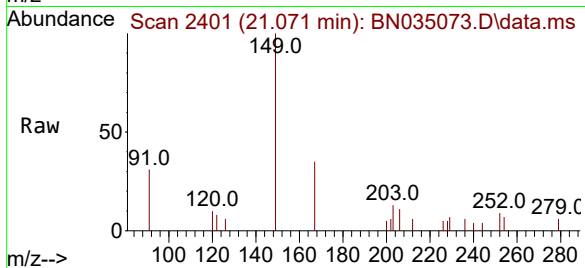




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.113 ng
 RT: 21.071 min Scan# 2401
 Delta R.T. -0.007 min
 Lab File: BN035073.D
 Acq: 13 Nov 2024 19:14

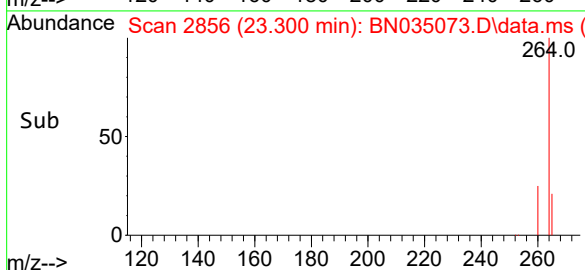
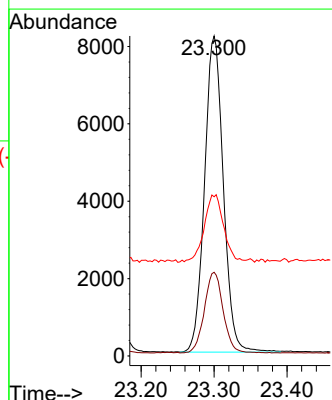
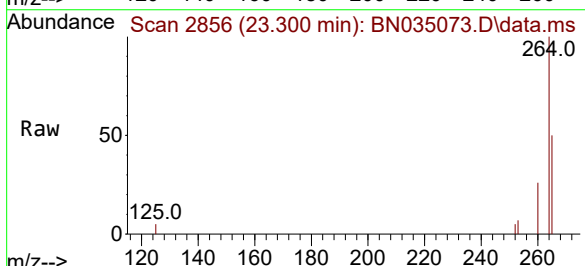
Instrument :
 BNA_N
 ClientSampleId :
 DSN002

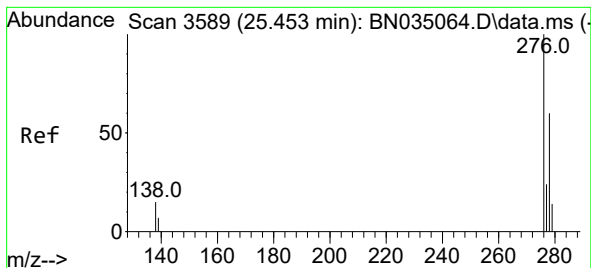
Tgt Ion:149 Resp: 2672
 Ion Ratio Lower Upper
 149 100
 167 37.5 23.2 34.8#
 279 3.9 3.2 4.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.300 min Scan# 2856
 Delta R.T. -0.004 min
 Lab File: BN035073.D
 Acq: 13 Nov 2024 19:14

Tgt Ion:264 Resp: 14627
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.9 31.3
 265 49.8 35.4 53.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.449 min Scan# 3591

Delta R.T. -0.004 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002

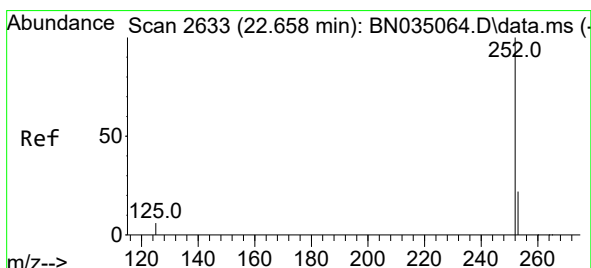
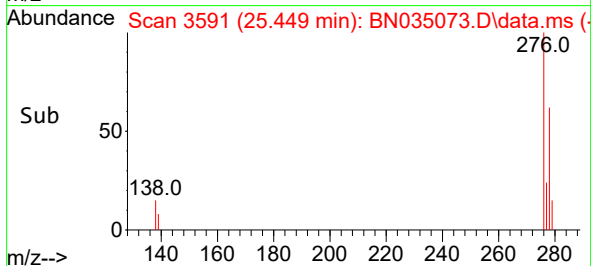
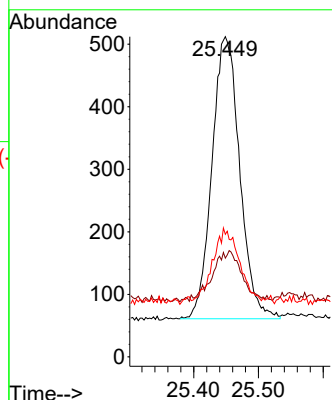
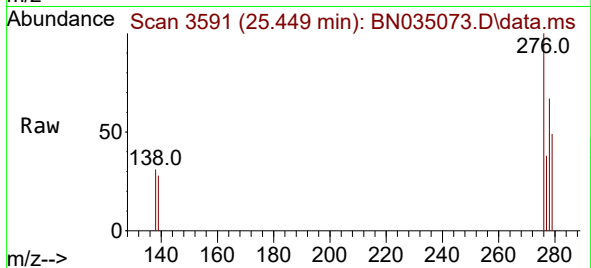
Tgt Ion:276 Resp: 1343

Ion Ratio Lower Upper

276 100

138 18.6 13.0 19.4

277 25.2 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.027 ng

RT: 22.657 min Scan# 2636

Delta R.T. -0.001 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

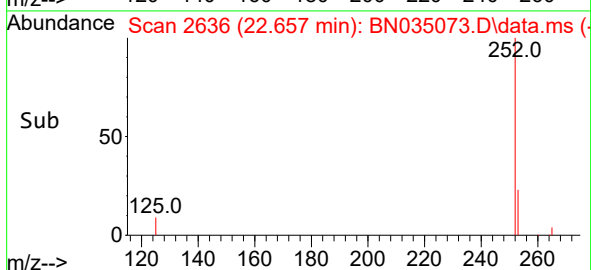
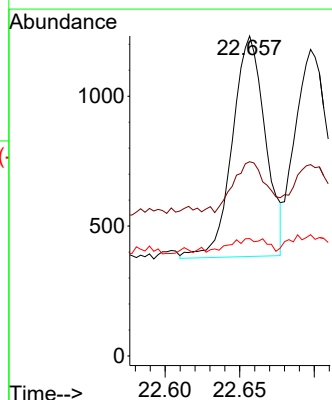
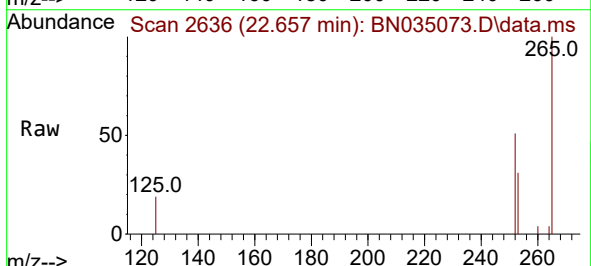
Tgt Ion:252 Resp: 1309

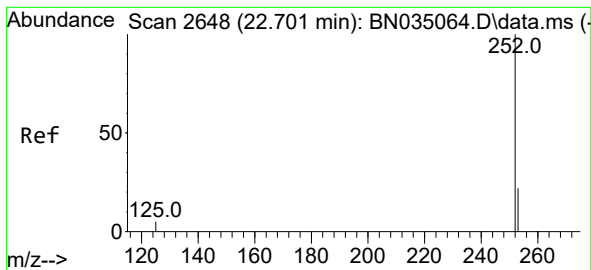
Ion Ratio Lower Upper

252 100

253 60.7 19.3 28.9#

125 36.7 6.2 9.2#





#38

Benzo(k)fluoranthene

Concen: 0.025 ng

RT: 22.698 min Scan# 2650

Delta R.T. -0.004 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

Instrument :

BNA_N

ClientSampleId :

DSN002

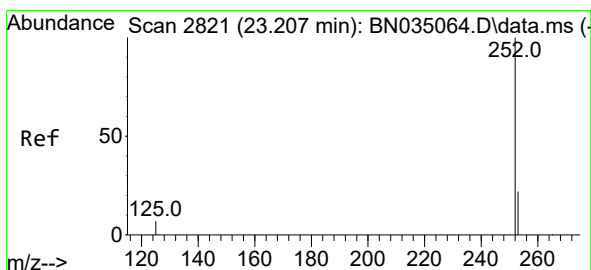
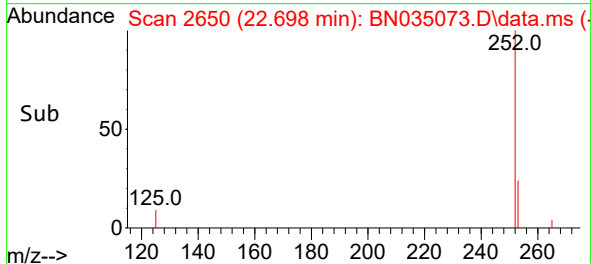
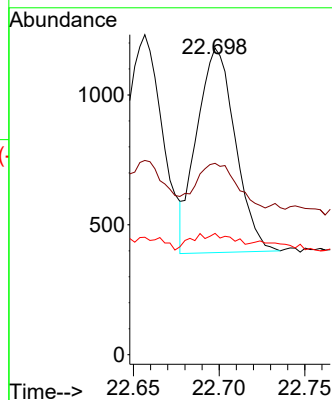
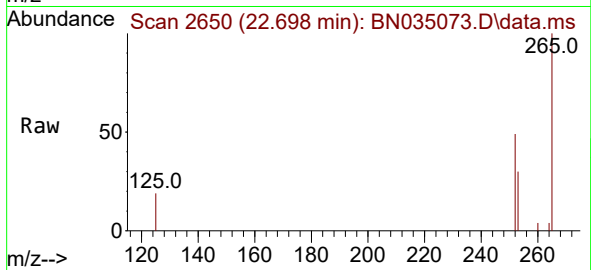
Tgt Ion:252 Resp: 1227

Ion Ratio Lower Upper

252 100

253 62.5 19.5 29.3#

125 39.6 6.5 9.7#



#39

Benzo(a)pyrene

Concen: 0.027 ng

RT: 23.203 min Scan# 2823

Delta R.T. -0.004 min

Lab File: BN035073.D

Acq: 13 Nov 2024 19:14

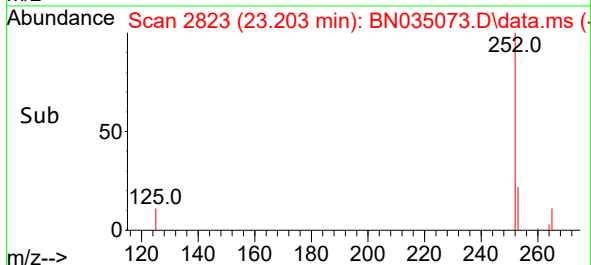
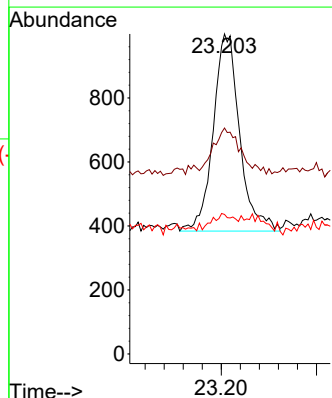
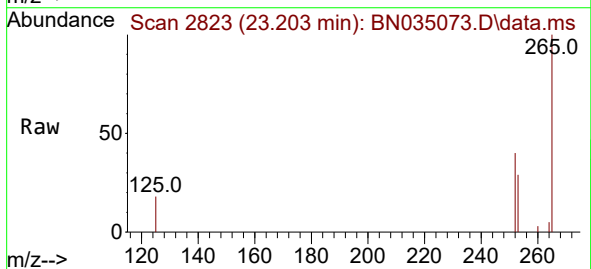
Tgt Ion:252 Resp: 1187

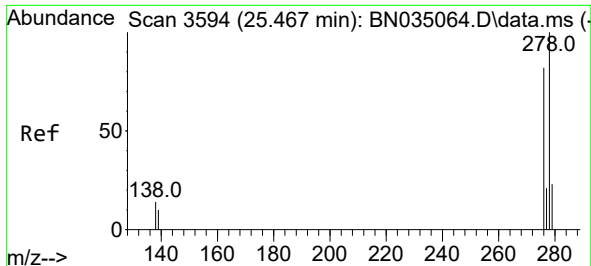
Ion Ratio Lower Upper

252 100

253 70.6 20.1 30.1#

125 43.6 7.5 11.3#

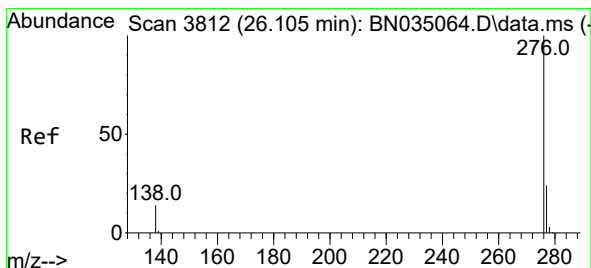
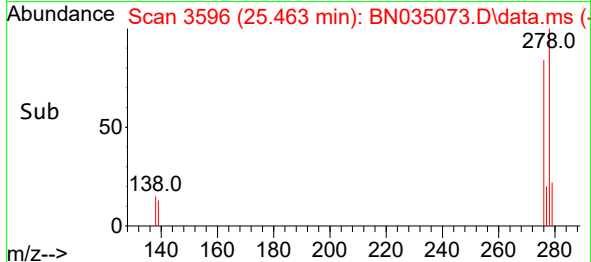
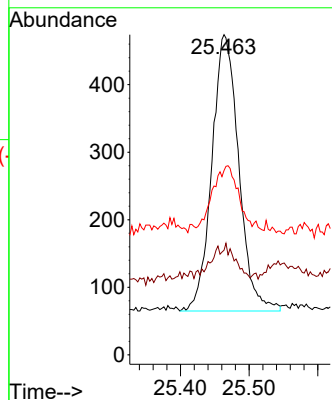
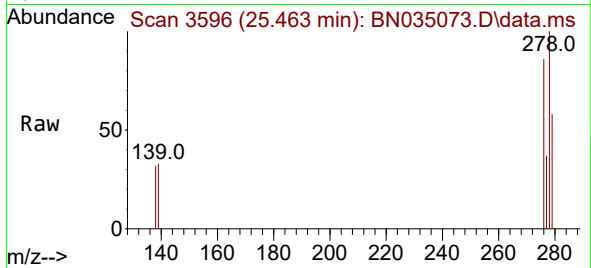




#40
Dibenzo(a,h)anthracene
Concen: 0.024 ng
RT: 25.463 min Scan# 3113
Delta R.T. -0.004 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Instrument :
BNA_N
ClientSampleId :
DSN002

Tgt Ion:278 Resp: 1113
Ion Ratio Lower Upper
278 100
139 32.7 9.3 13.9#
279 57.6 19.7 29.5#



#41
Benzo(g,h,i)perylene
Concen: 0.020 ng
RT: 26.104 min Scan# 3815
Delta R.T. -0.001 min
Lab File: BN035073.D
Acq: 13 Nov 2024 19:14

Tgt Ion:276 Resp: 1008
Ion Ratio Lower Upper
276 100
277 42.0 19.9 29.9#
138 33.3 11.6 17.4#

