

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081924\
 Data File : BN033503.D
 Acq On : 20 Aug 2024 13:23
 Operator : MA/JU
 Sample : P3580-01DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 20 14:10:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

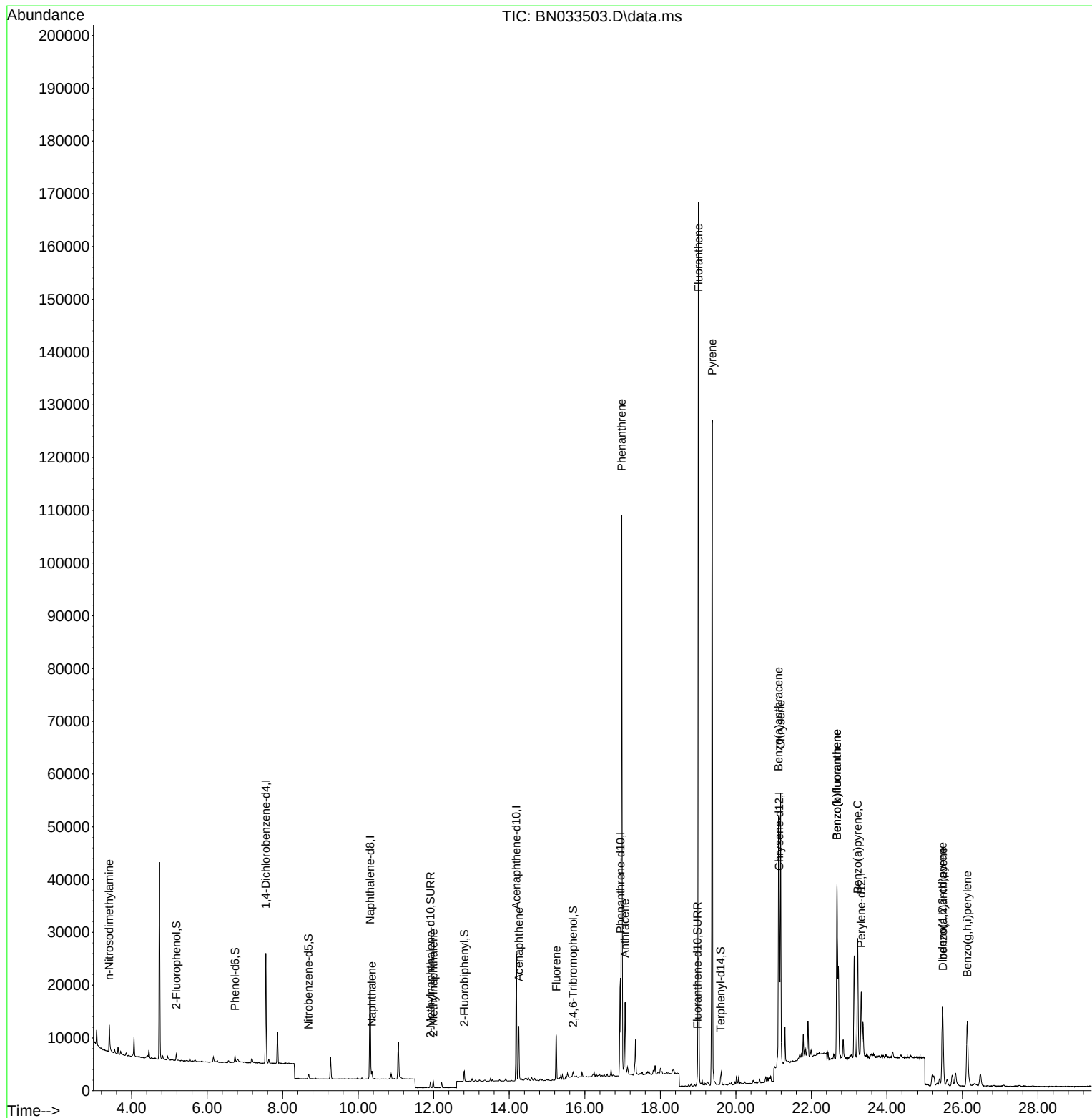
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	9571	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	26290	0.400	ng	# 0.00
13) Acenaphthene-d10	14.189	164	13221	0.400	ng	0.00
19) Phenanthrene-d10	16.942	188	27566	0.400	ng	0.00
29) Chrysene-d12	21.148	240	16690	0.400	ng	0.00
35) Perylene-d12	23.320	264	15739	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	929	0.031	ng	0.00
5) Phenol-d6	6.736	99	1094	0.030	ng	0.00
8) Nitrobenzene-d5	8.681	82	726	0.033	ng	-0.01
11) 2-Methylnaphthalene-d10	11.911	152	1218	0.032	ng	0.00
14) 2,4,6-Tribromophenol	15.688	330	177	0.025	ng	0.00
15) 2-Fluorobiphenyl	12.810	172	1762	0.033	ng	0.00
27) Fluoranthene-d10	18.980	212	1899	0.029	ng	0.00
31) Terphenyl-d14	19.593	244	1245	0.033	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.407	42	1036	0.081	ng	# 1
9) Naphthalene	10.357	128	1999	0.028	ng	# 89
12) 2-Methylnaphthalene	11.987	142	919	0.021	ng	# 92
17) Acenaphthene	14.253	154	5143	0.126	ng	97
18) Fluorene	15.247	166	6217	0.121	ng	99
25) Phenanthrene	16.979	178	106097	1.383	ng	100
26) Anthracene	17.066	178	15303	0.226	ng	96
28) Fluoranthene	19.008	202	146296	1.726	ng	100
30) Pyrene	19.375	202	113436	1.523	ng	# 95
32) Benzo(a)anthracene	21.130	228	39592	0.656	ng	99
33) Chrysene	21.184	228	41091	0.685	ng	98
36) Indeno(1,2,3-cd)pyrene	25.472	276	22482	0.344	ng	95
37) Benzo(b)fluoranthene	22.677	252	49617	0.844	ng	98
38) Benzo(k)fluoranthene	22.677	252	49617	0.858	ng	96
39) Benzo(a)pyrene	23.224	252	30409	0.625	ng	95
40) Dibenzo(a,h)anthracene	25.481	278	4888	0.094	ng	# 81
41) Benzo(g,h,i)perylene	26.127	276	23354	0.418	ng	98

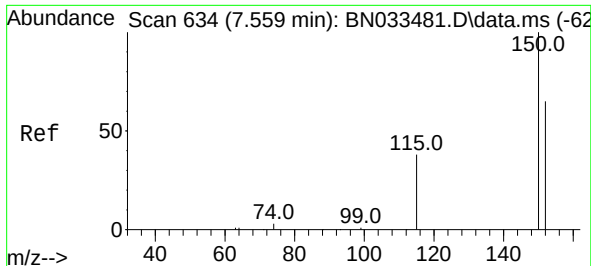
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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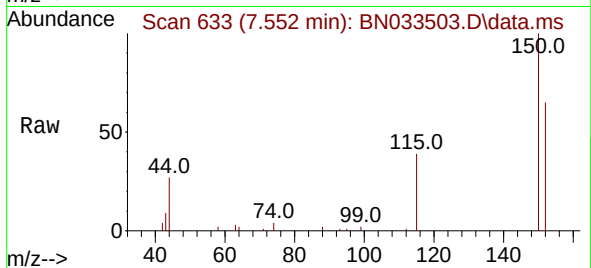
Quant Time: Aug 20 14:10:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
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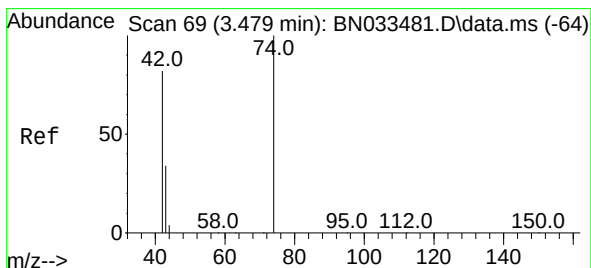
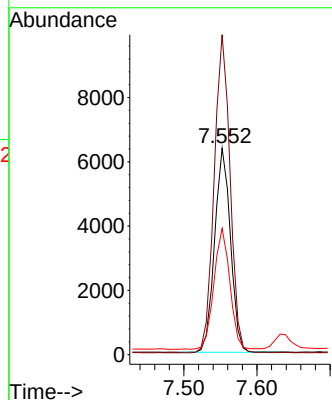
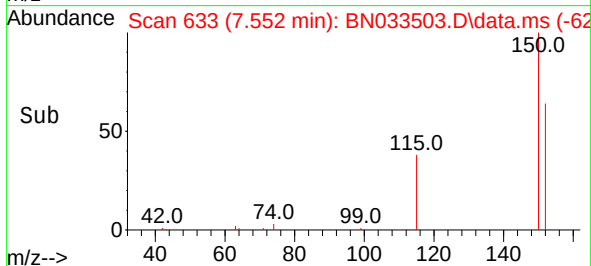


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Instrument :
BNA_N
ClientSampleId :

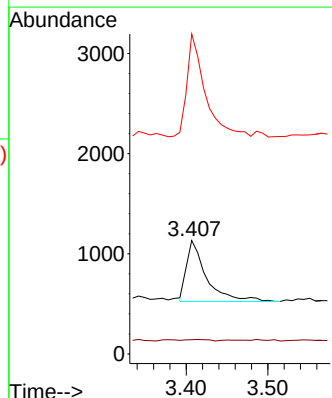
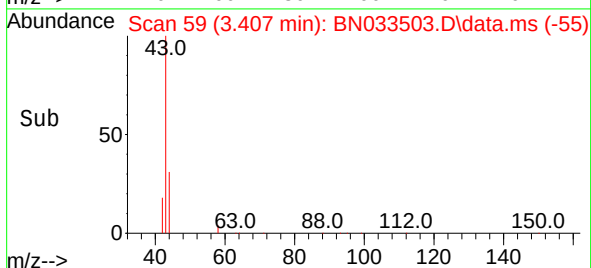
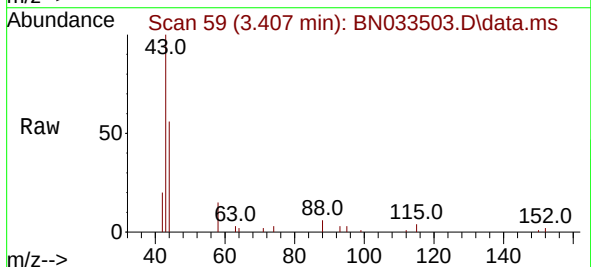


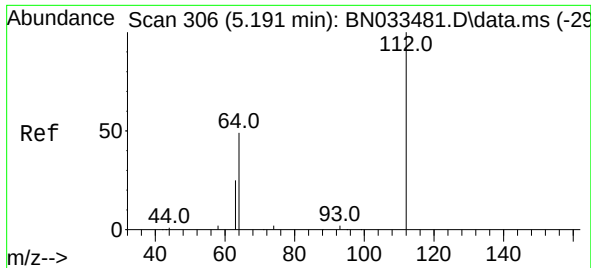
Tgt Ion:152 Resp: 9571
Ion Ratio Lower Upper
152 100
150 154.9 122.2 183.2
115 61.1 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.081 ng
RT: 3.407 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion: 42 Resp: 1036
Ion Ratio Lower Upper
42 100
74 2.5 100.2 150.2#
44 147.8 5.3 7.9#

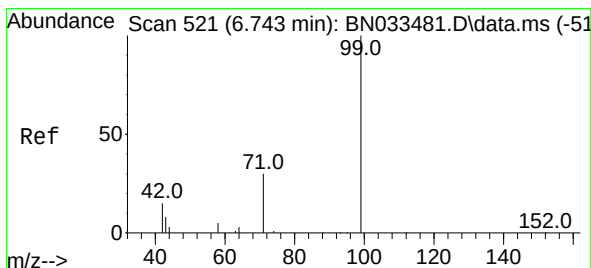
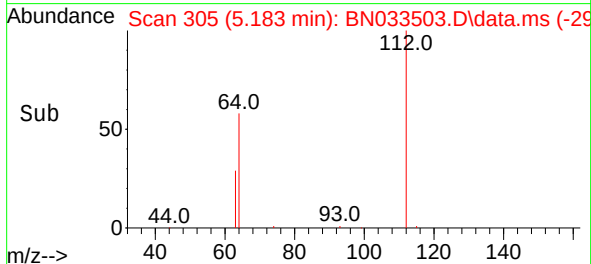
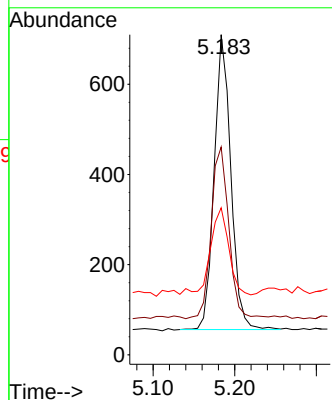
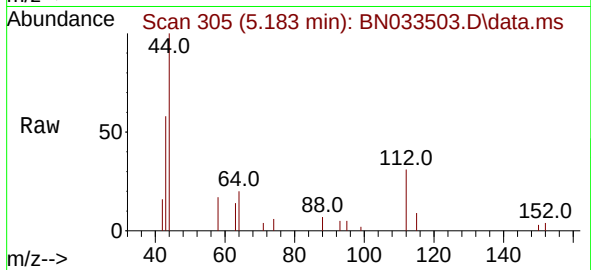




#4
2-Fluorophenol
Concen: 0.031 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

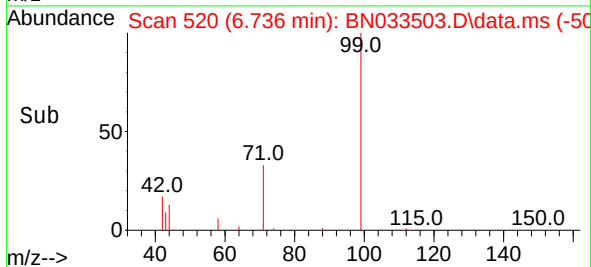
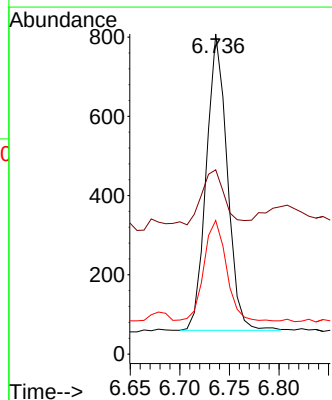
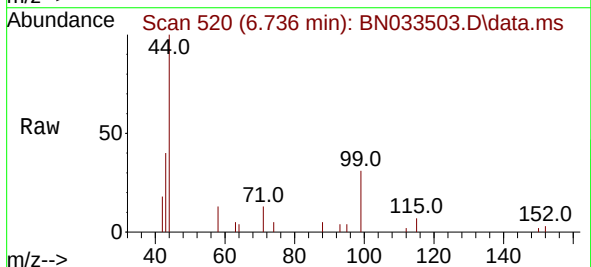
Instrument :
BNA_N
ClientSampleId :

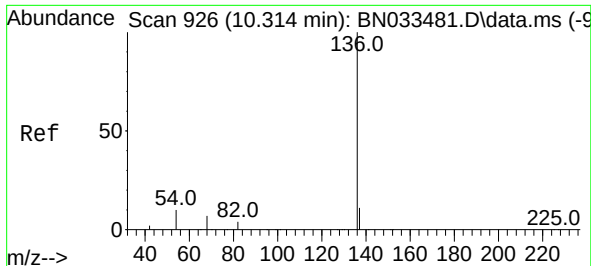
Tgt Ion:112 Resp: 929
Ion Ratio Lower Upper
112 100
64 61.7 47.1 70.7
63 32.4 24.9 37.3



#5
Phenol-d6
Concen: 0.030 ng
RT: 6.736 min Scan# 520
Delta R.T. -0.007 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion: 99 Resp: 1094
Ion Ratio Lower Upper
99 100
42 20.8 16.6 24.8
71 36.1 26.2 39.4

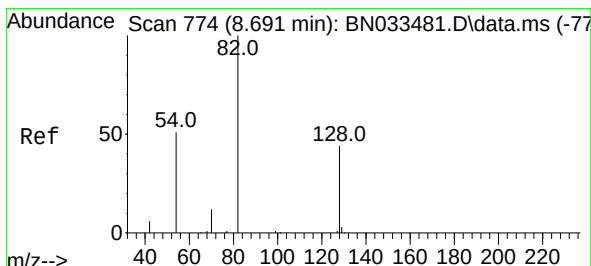
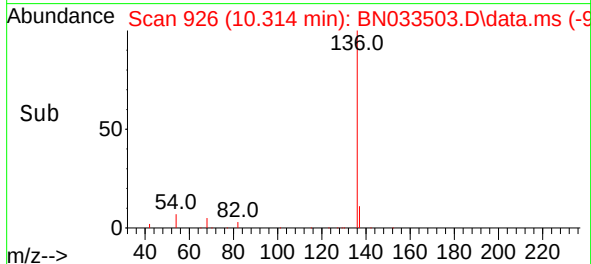
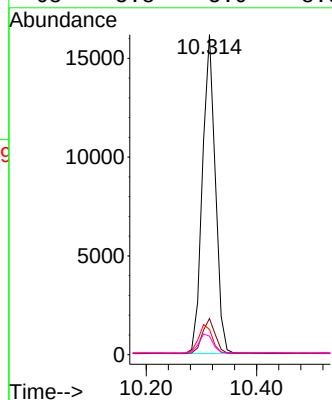
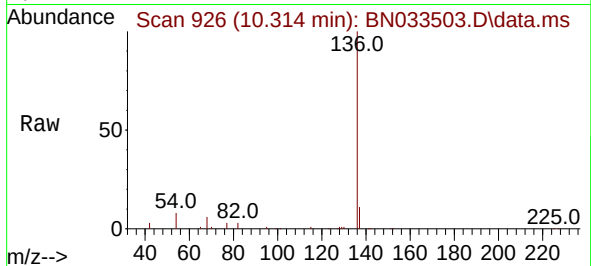




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

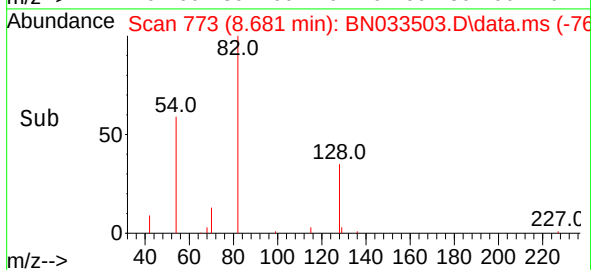
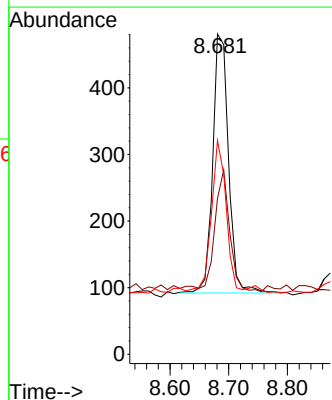
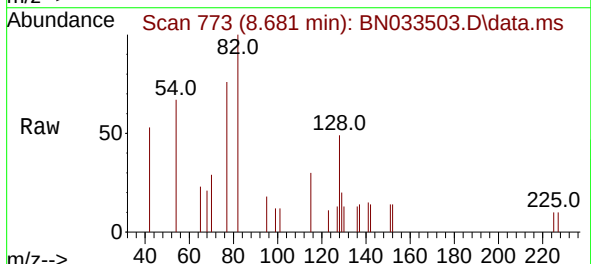
Instrument :
BNA_N
ClientSampleId :

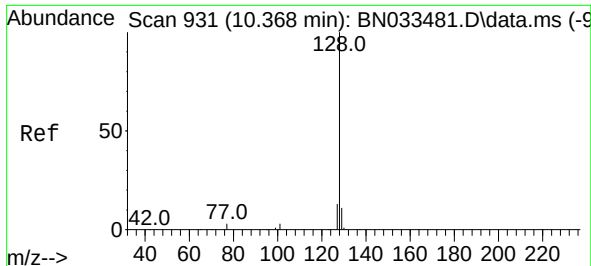
Tgt Ion:	136	Resp:	26290
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	7.9	8.3	12.5#
68	5.8	5.9	8.9#



#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion:	82	Resp:	726
Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.0	54.0
54	66.7	42.0	63.0#

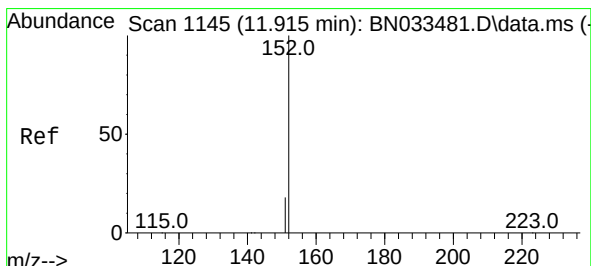
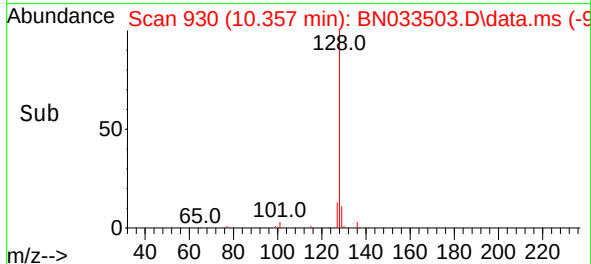
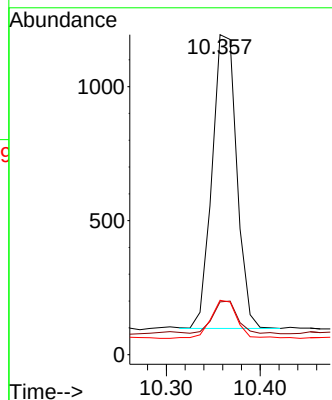
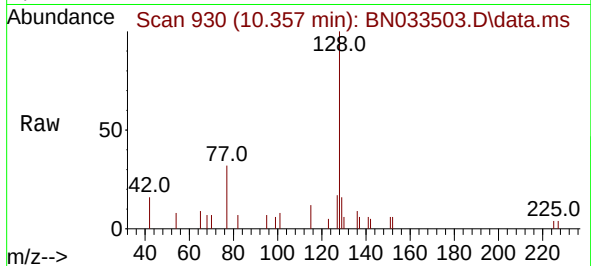




#9
Naphthalene
Concen: 0.028 ng
RT: 10.357 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

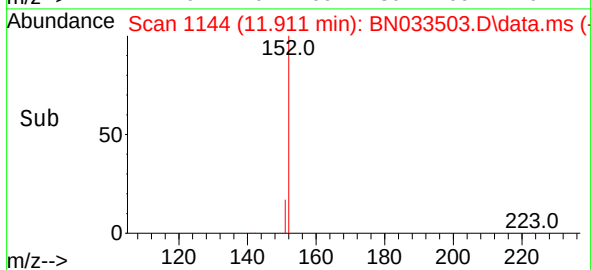
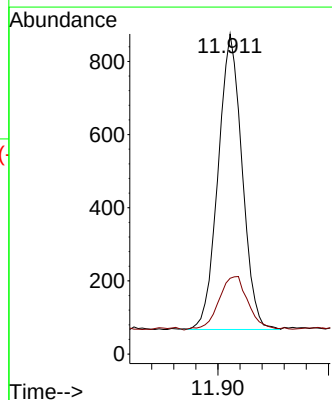
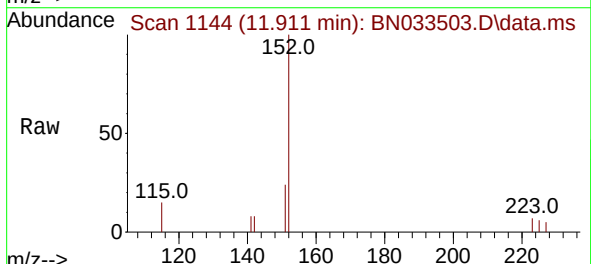
Instrument :
BNA_N
ClientSampleId :

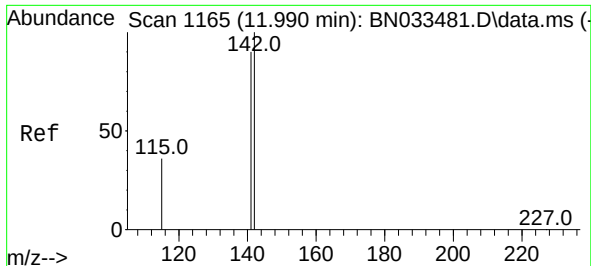
Tgt Ion:128 Resp: 1999
Ion Ratio Lower Upper
128 100
129 16.5 9.1 13.7#
127 17.0 10.7 16.1#



#11
2-Methylnaphthalene-d10
Concen: 0.032 ng
RT: 11.911 min Scan# 1144
Delta R.T. -0.004 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion:152 Resp: 1218
Ion Ratio Lower Upper
152 100
151 22.3 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.021 ng

RT: 11.987 min Scan# 1164

Delta R.T. -0.004 min

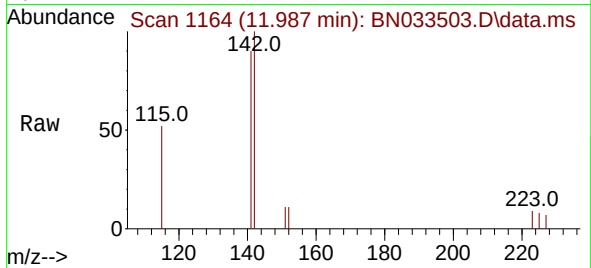
Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

Instrument :

BNA_N

ClientSampleId :



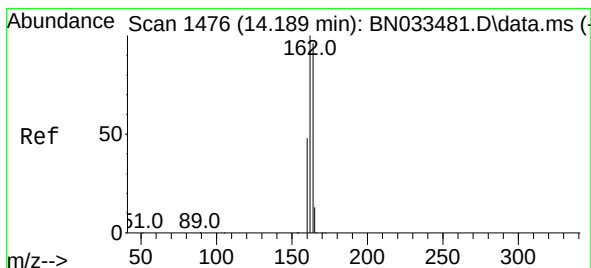
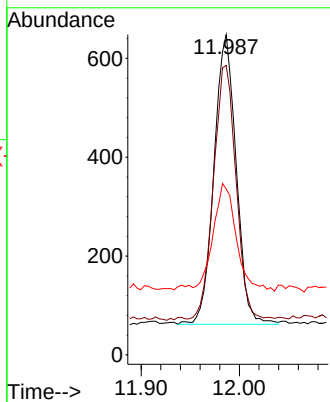
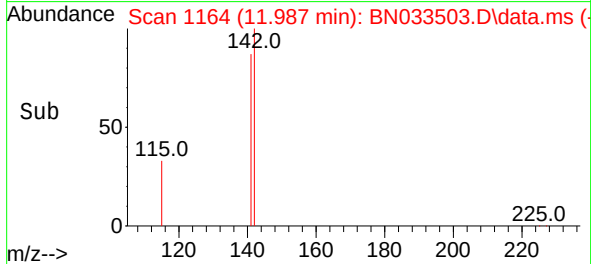
Tgt Ion:142 Resp: 919

Ion Ratio Lower Upper

142 100

141 90.4 71.7 107.5

115 51.9 29.4 44.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.189 min Scan# 1476

Delta R.T. 0.000 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

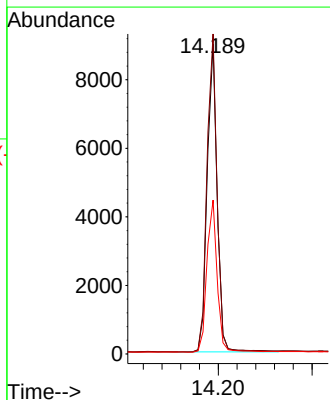
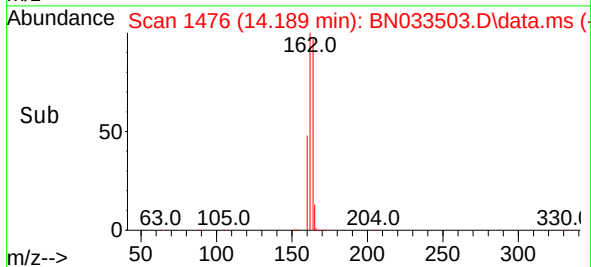
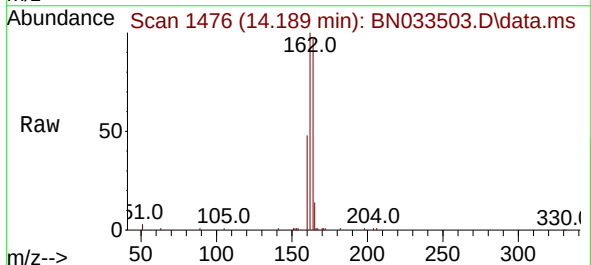
Tgt Ion:164 Resp: 13221

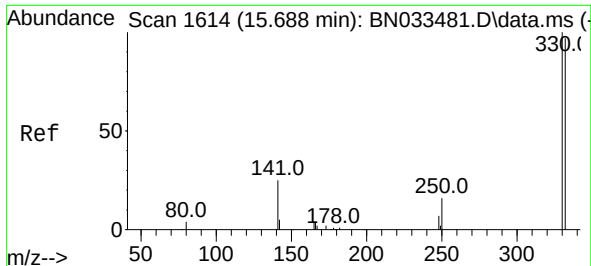
Ion Ratio Lower Upper

164 100

162 103.3 83.5 125.3

160 49.7 40.2 60.4

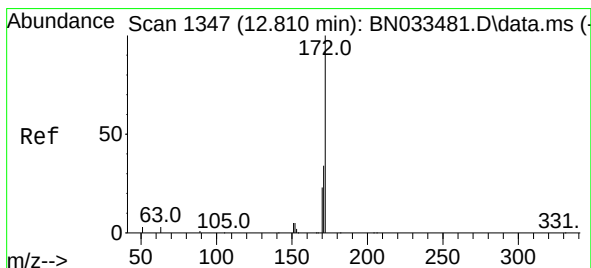
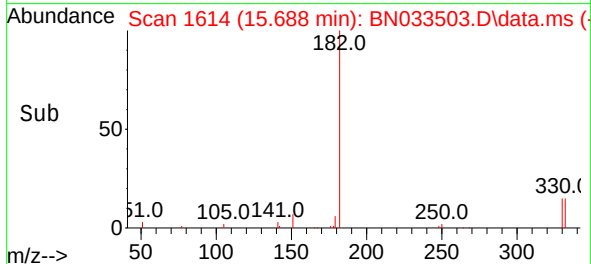
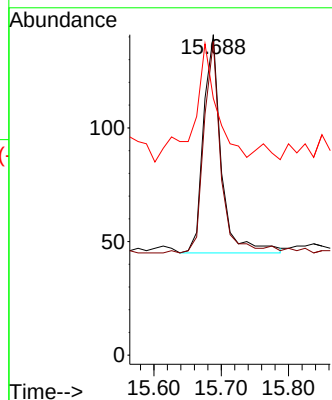
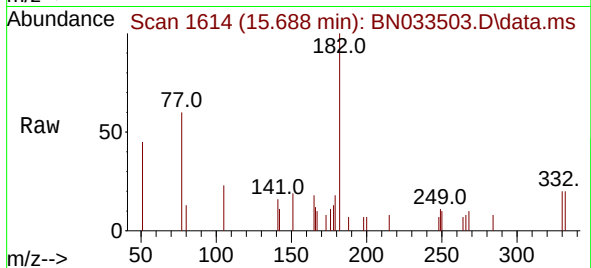




#14
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 15.688 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

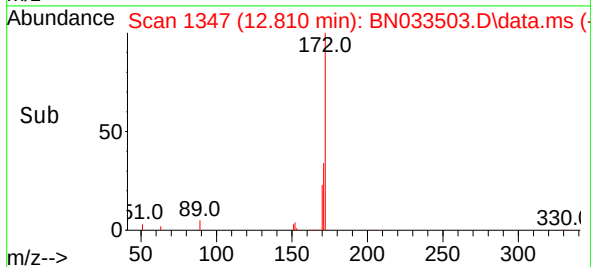
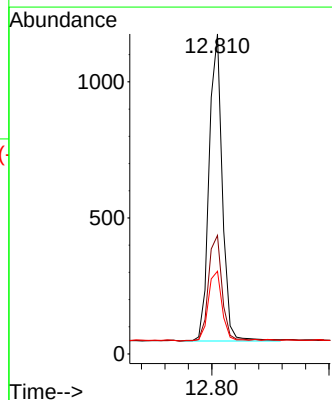
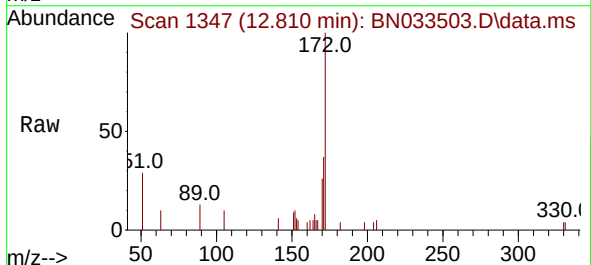
Instrument :
BNA_N
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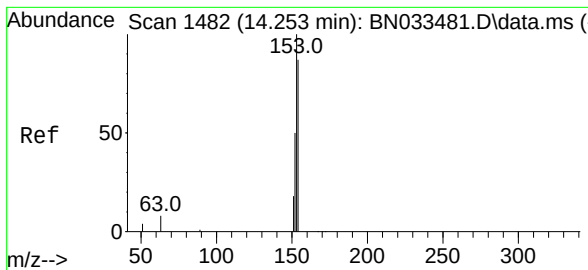
Tgt Ion:330 Resp: 177
Ion Ratio Lower Upper
330 100
332 90.4 77.5 116.3
141 59.9 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 12.810 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

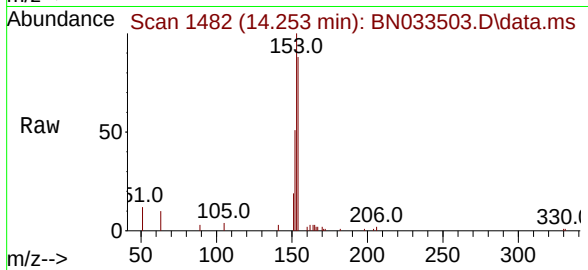
Tgt Ion:172 Resp: 1762
Ion Ratio Lower Upper
172 100
171 37.1 27.7 41.5
170 25.9 18.3 27.5



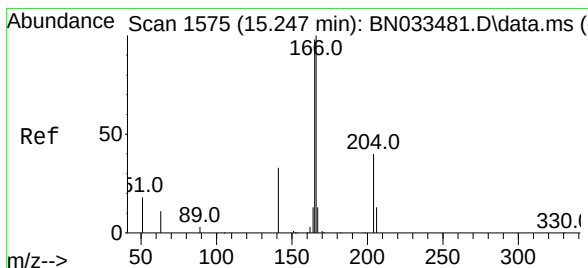
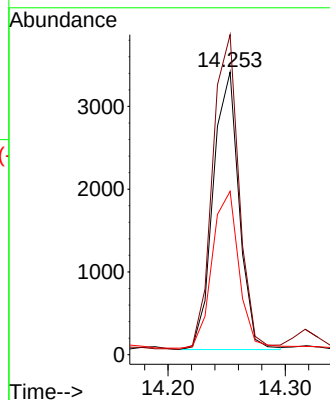
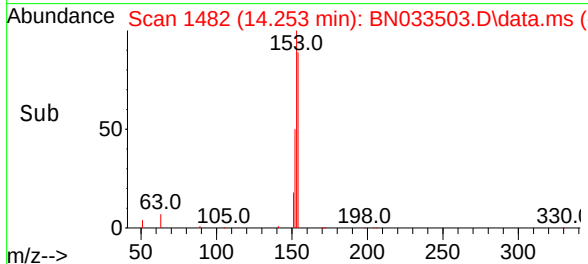


#17
Acenaphthene
Concen: 0.126 ng
RT: 14.253 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

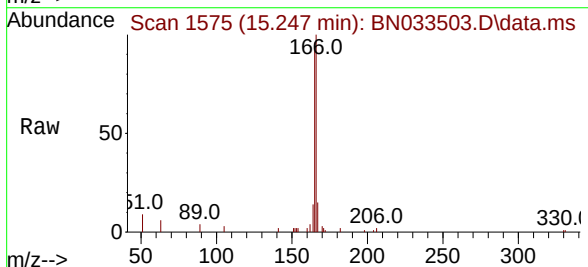
Instrument :
BNA_N
ClientSampleId :



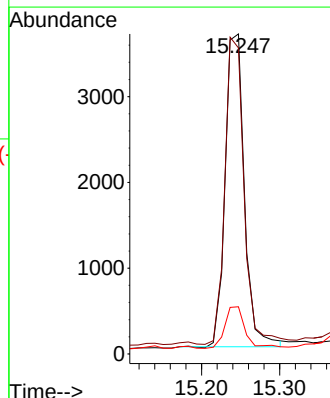
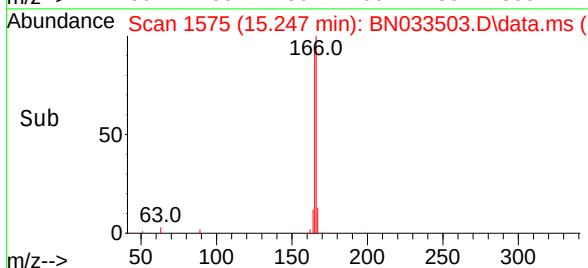
Tgt Ion:154 Resp: 5143
Ion Ratio Lower Upper
154 100
153 115.2 89.0 133.6
152 58.4 45.2 67.8

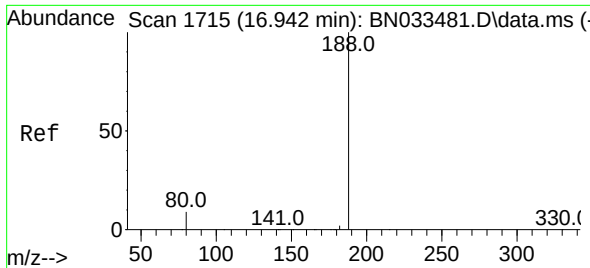


#18
Fluorene
Concen: 0.121 ng
RT: 15.247 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23



Tgt Ion:166 Resp: 6217
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.4
167 14.1 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.942 min Scan# 1715

Delta R.T. 0.000 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

Instrument :

BNA_N

ClientSampleId :

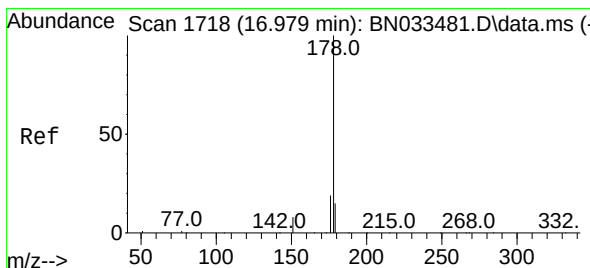
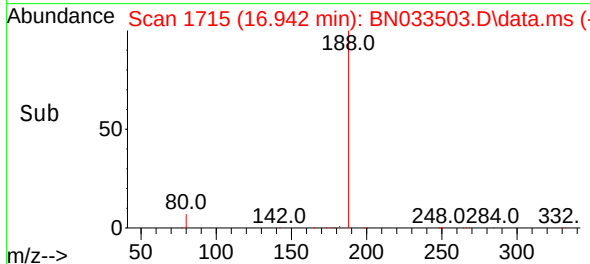
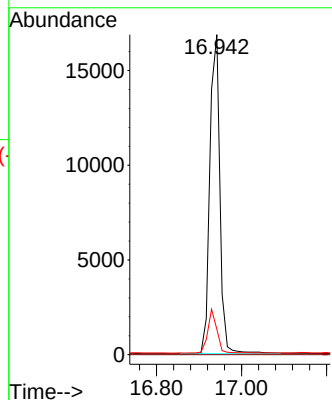
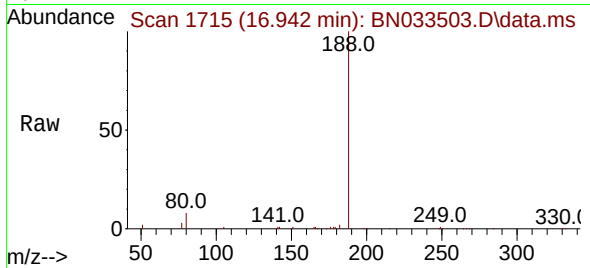
Tgt Ion:188 Resp: 27566

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.0 7.8 11.8



#25

Phenanthrene

Concen: 1.383 ng

RT: 16.979 min Scan# 1718

Delta R.T. 0.000 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

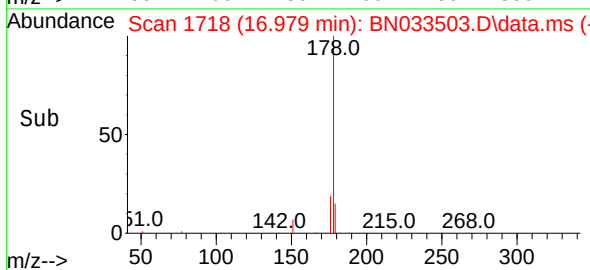
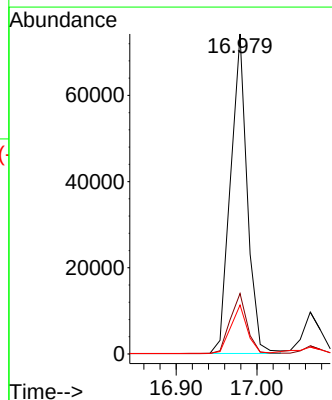
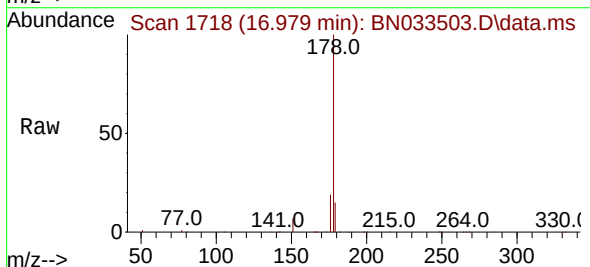
Tgt Ion:178 Resp: 106097

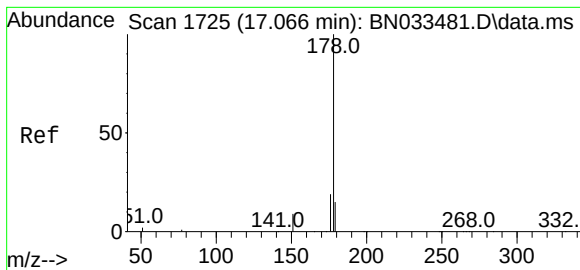
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.1 12.3 18.5

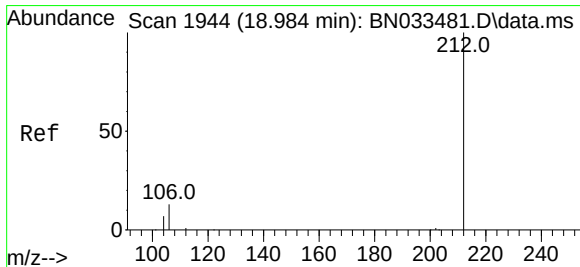
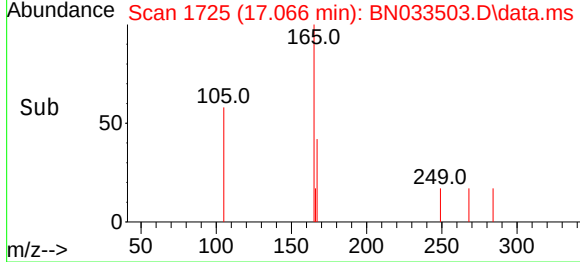
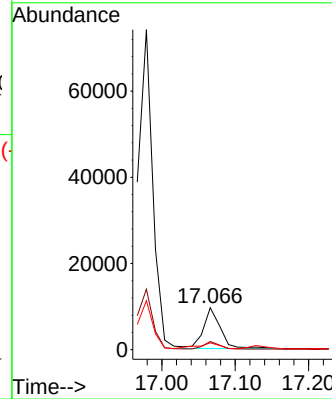
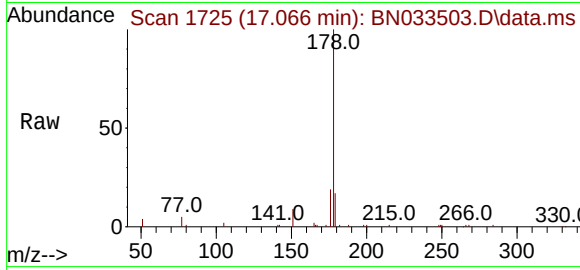




#26
 Anthracene
 Concen: 0.226 ng
 RT: 17.066 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN033503.D
 Acq: 20 Aug 2024 13:23

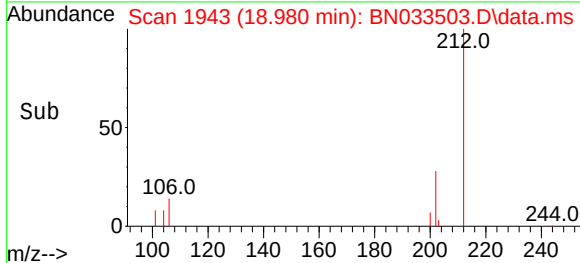
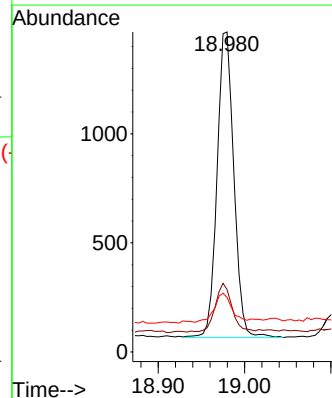
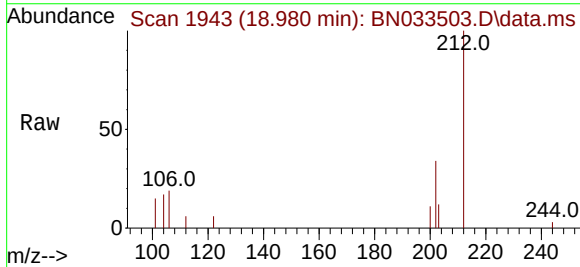
Instrument :
 BNA_N
 ClientSampleId :

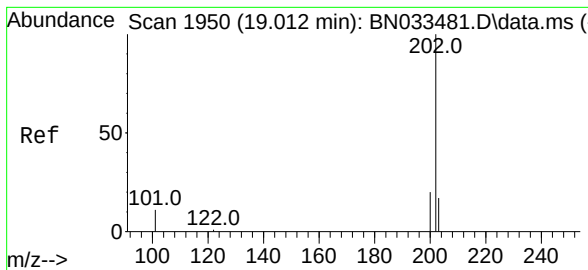
Tgt Ion:	178	Resp:	15303
Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.6
179	18.0	12.4	18.6



#27
 Fluoranthene-d10
 Concen: 0.029 ng
 RT: 18.980 min Scan# 1943
 Delta R.T. -0.005 min
 Lab File: BN033503.D
 Acq: 20 Aug 2024 13:23

Tgt Ion:	212	Resp:	1899
Ion	Ratio	Lower	Upper
212	100		
106	16.0	12.3	18.5
104	9.7	7.0	10.4

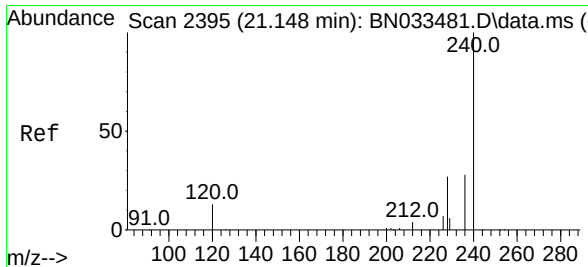
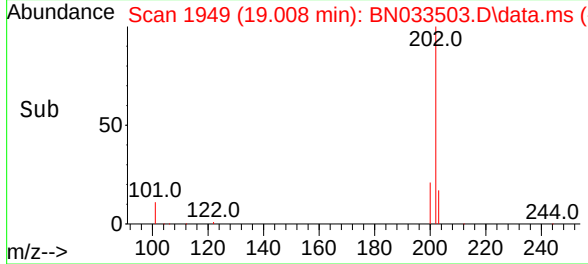
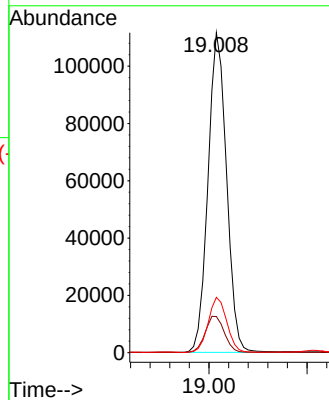
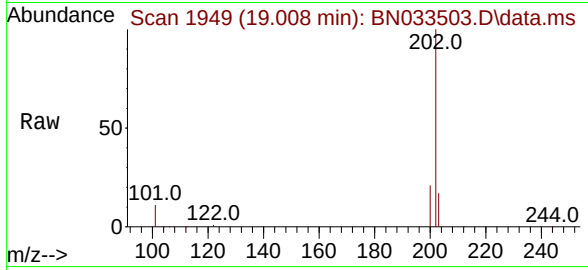




#28
Fluoranthene
Concen: 1.726 ng
RT: 19.008 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

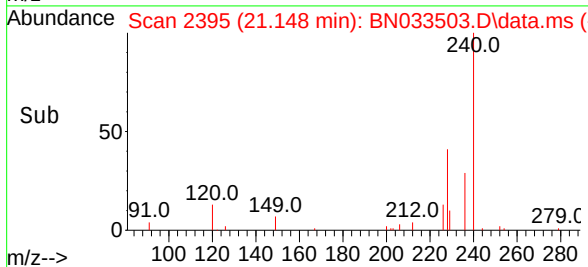
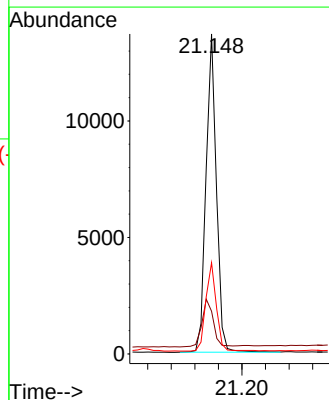
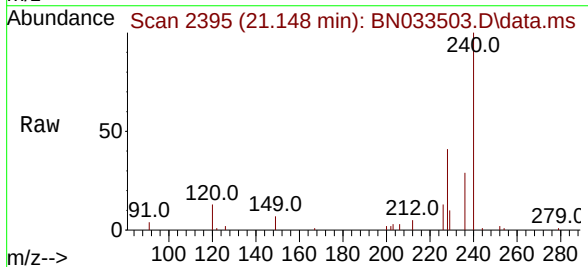
Instrument : BNA_N
ClientSampleId :

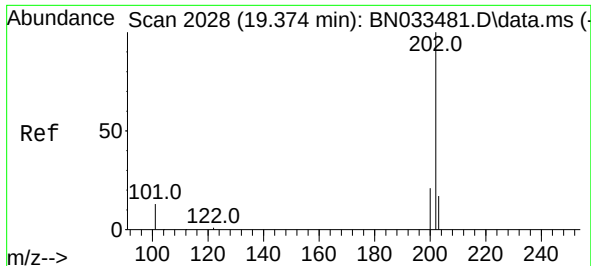
Tgt Ion:	202	Resp:	146296
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.5	14.3
203	17.2	13.8	20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.148 min Scan# 2395
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion:	240	Resp:	16690
Ion Ratio	Lower	Upper	
240	100		
120	13.4	12.4	18.6
236	28.5	23.0	34.6

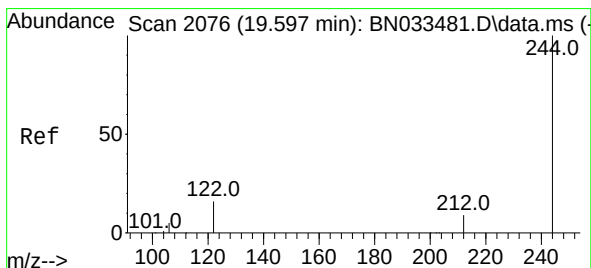
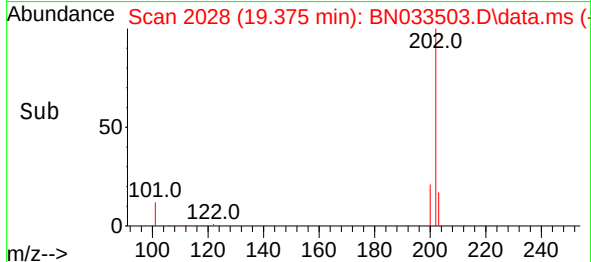
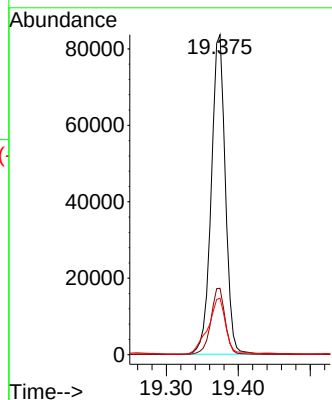
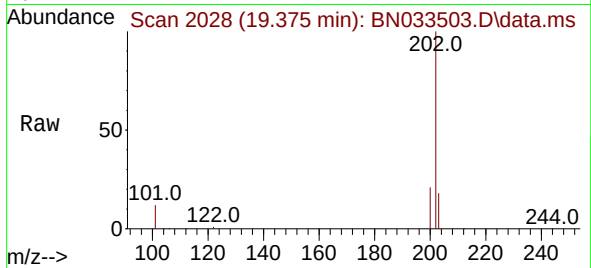




#30
Pyrene
Concen: 1.523 ng
RT: 19.375 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

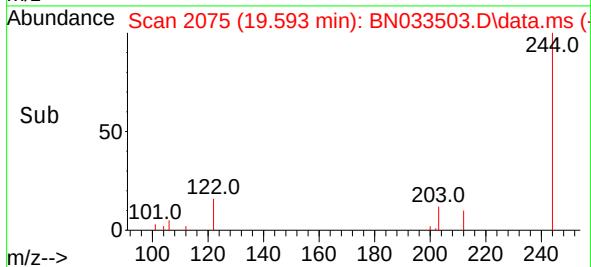
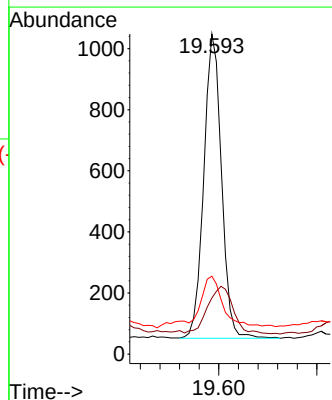
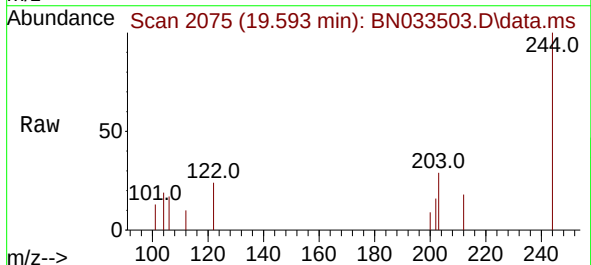
Instrument :
BNA_N
ClientSampleId :

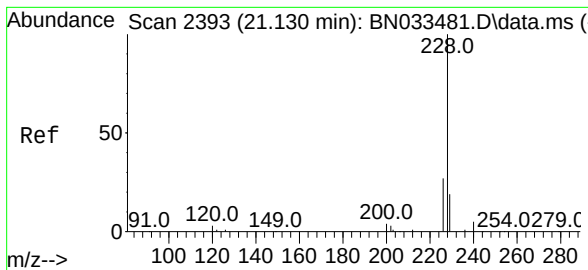
Tgt Ion:202 Resp: 113436
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 21.9 14.2 21.4#



#31
Terphenyl-d14
Concen: 0.033 ng
RT: 19.593 min Scan# 2075
Delta R.T. -0.005 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion:244 Resp: 1245
Ion Ratio Lower Upper
244 100
212 17.6 7.8 11.6#
122 24.3 13.3 19.9#





#32

Benzo(a)anthracene

Concen: 0.656 ng

RT: 21.130 min Scan# 2393

Delta R.T. 0.000 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

Instrument :

BNA_N

ClientSampleId :

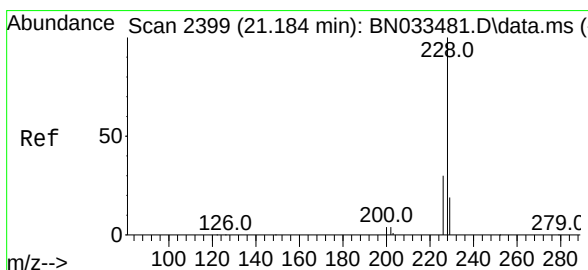
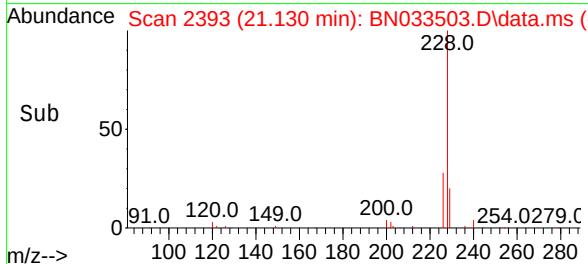
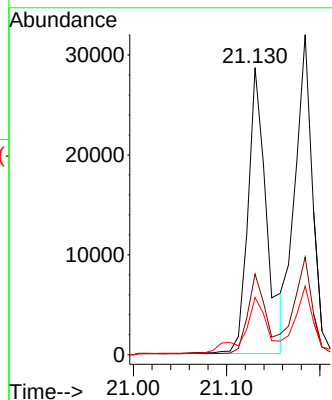
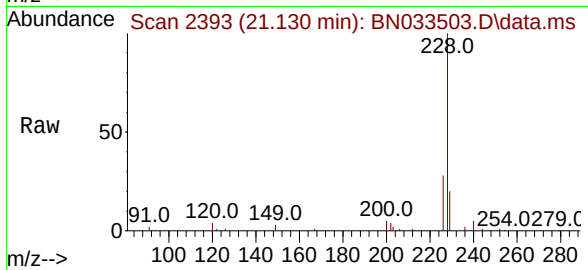
Tgt Ion:228 Resp: 39592

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.6

229 19.9 15.8 23.6



#33

Chrysene

Concen: 0.685 ng

RT: 21.184 min Scan# 2399

Delta R.T. 0.000 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

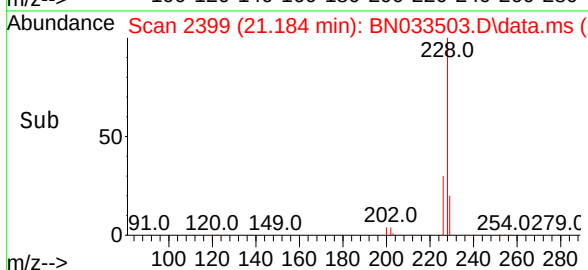
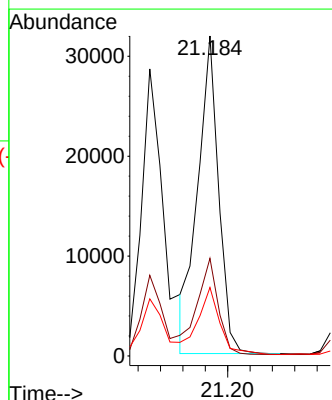
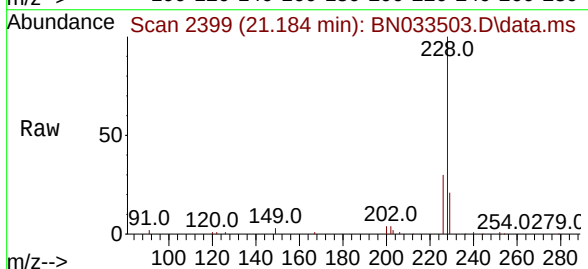
Tgt Ion:228 Resp: 41091

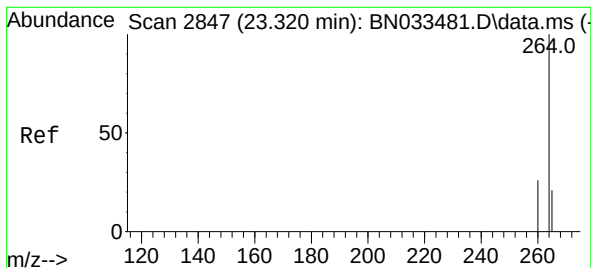
Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.8

229 21.4 15.6 23.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.320 min Scan# 21

Delta R.T. 0.000 min

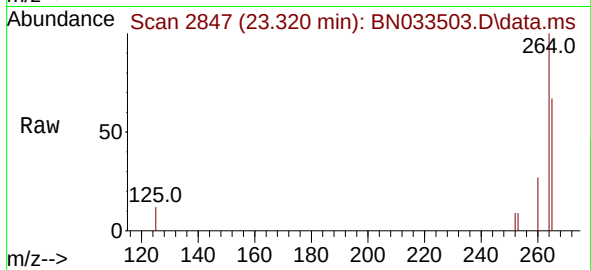
Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

Instrument :

BNA_N

ClientSampleId :



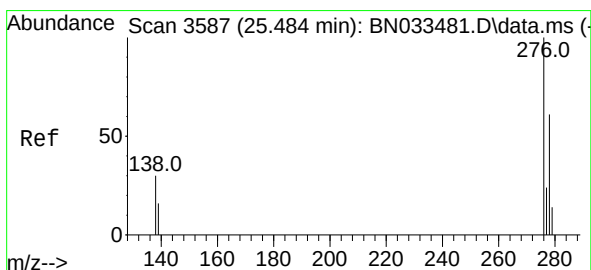
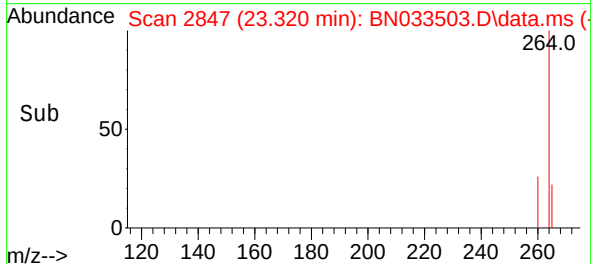
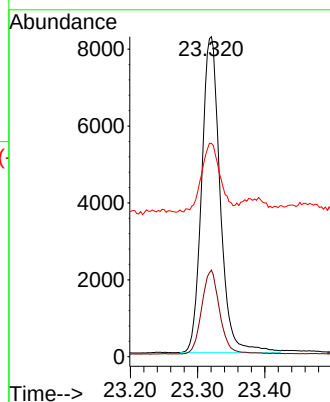
Tgt Ion:264 Resp: 15739

Ion Ratio Lower Upper

264 100

260 27.1 20.8 31.2

265 66.6 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.344 ng

RT: 25.472 min Scan# 3583

Delta R.T. -0.012 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

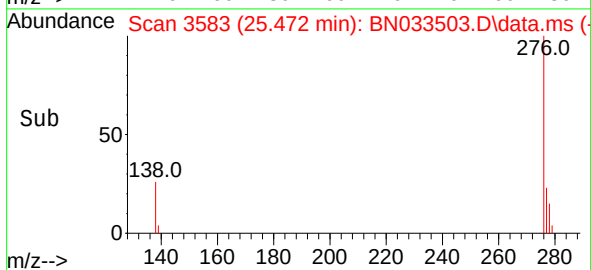
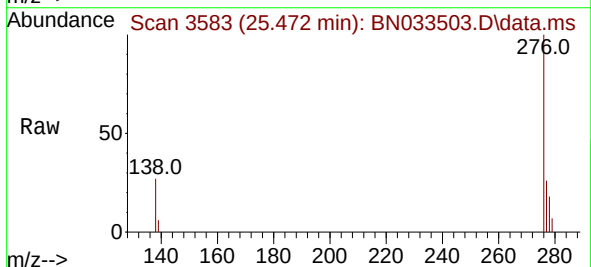
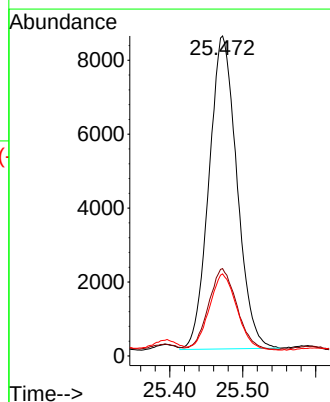
Tgt Ion:276 Resp: 22482

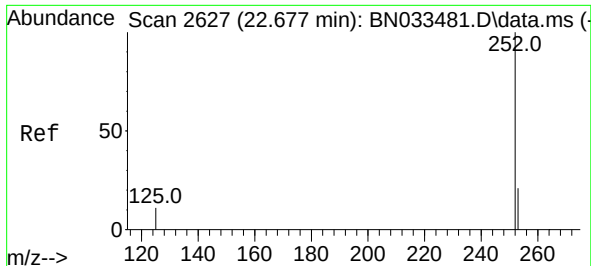
Ion Ratio Lower Upper

276 100

138 25.9 24.4 36.6

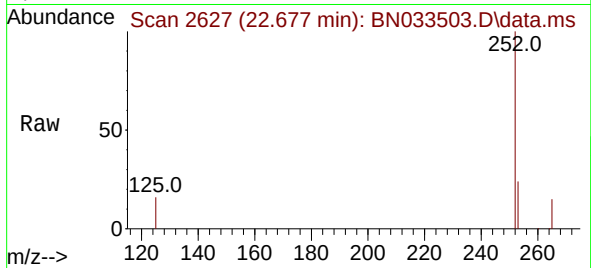
277 24.3 19.8 29.6



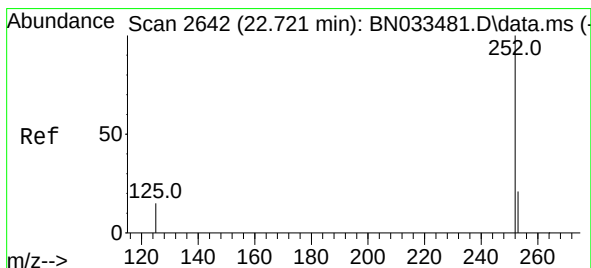
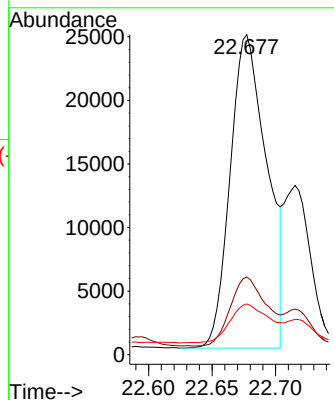


#37
Benzo(b)fluoranthene
Concen: 0.844 ng
RT: 22.677 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Instrument :
BNA_N
ClientSampleId :

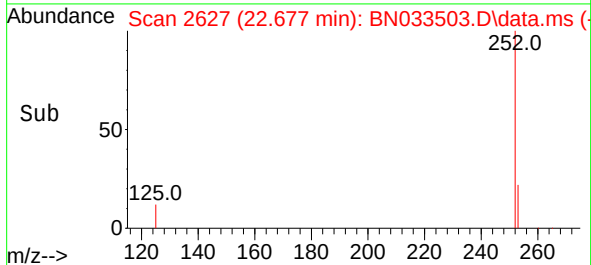
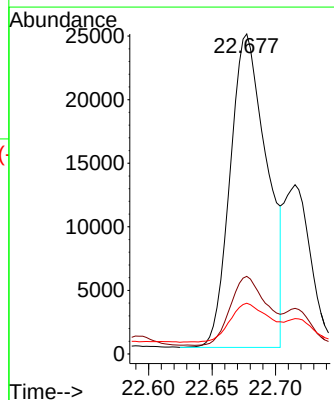
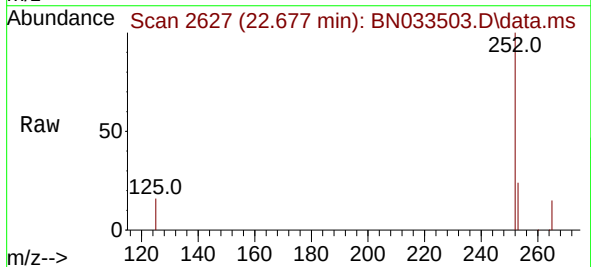


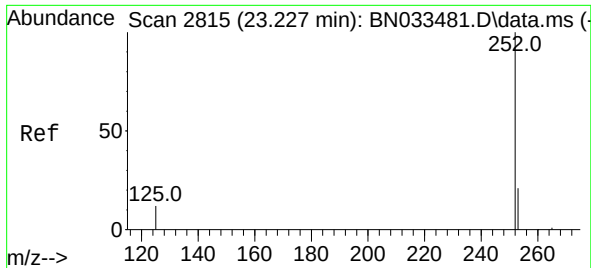
Tgt Ion:252 Resp: 49617
Ion Ratio Lower Upper
252 100
253 24.2 19.8 29.8
125 15.9 13.9 20.9



#38
Benzo(k)fluoranthene
Concen: 0.858 ng
RT: 22.677 min Scan# 2627
Delta R.T. -0.044 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Tgt Ion:252 Resp: 49617
Ion Ratio Lower Upper
252 100
253 24.2 19.8 29.8
125 15.9 15.8 23.8





#39

Benzo(a)pyrene

Concen: 0.625 ng

RT: 23.224 min Scan# 21

Delta R.T. -0.003 min

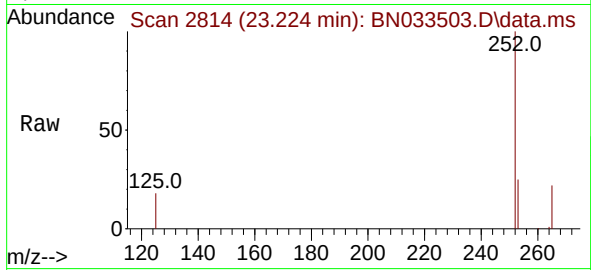
Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

Instrument :

BNA_N

ClientSampleId :



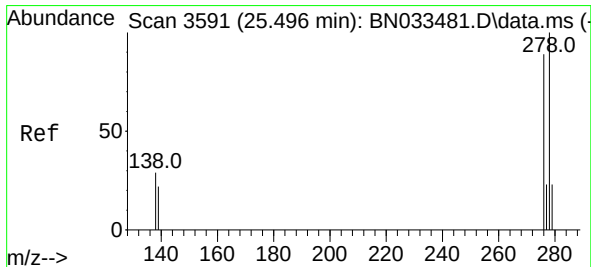
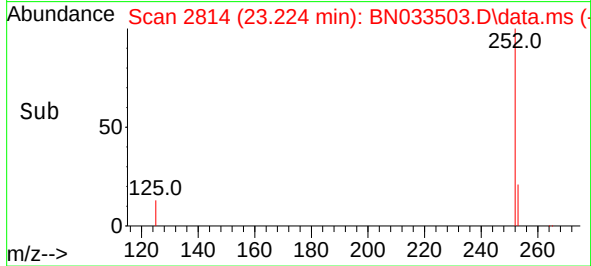
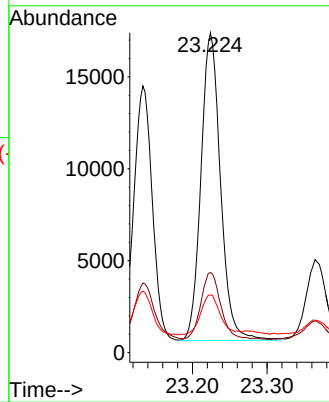
Tgt Ion:252 Resp: 30409

Ion Ratio Lower Upper

252 100

253 25.1 21.5 32.3

125 18.0 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.094 ng

RT: 25.481 min Scan# 3586

Delta R.T. -0.015 min

Lab File: BN033503.D

Acq: 20 Aug 2024 13:23

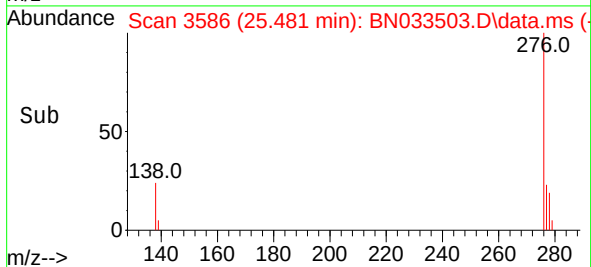
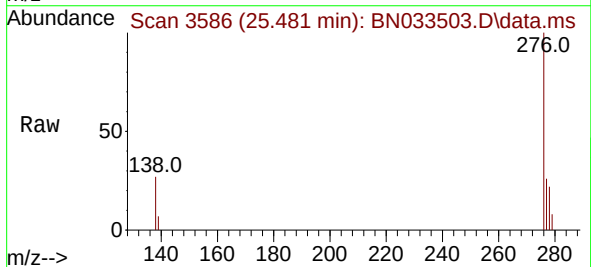
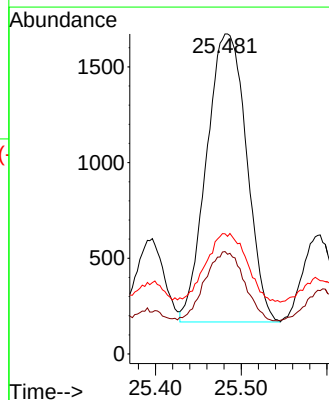
Tgt Ion:278 Resp: 4888

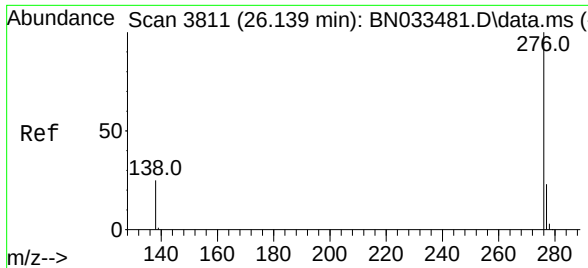
Ion Ratio Lower Upper

278 100

139 32.0 19.1 28.7#

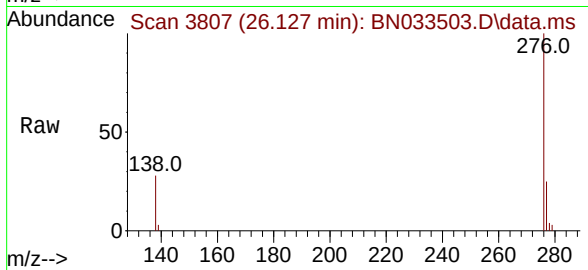
279 37.6 21.0 31.4#





#41
Benzo(g,h,i)perylene
Concen: 0.418 ng
RT: 26.127 min Scan# 30
Delta R.T. -0.012 min
Lab File: BN033503.D
Acq: 20 Aug 2024 13:23

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:	276	Resp:	23354
Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.7	29.5
138	28.2	21.8	32.6

