

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033536.D
 Acq On : 21 Aug 2024 10:40
 Operator : MA/JU
 Sample : P3643-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 21 11:26:36 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

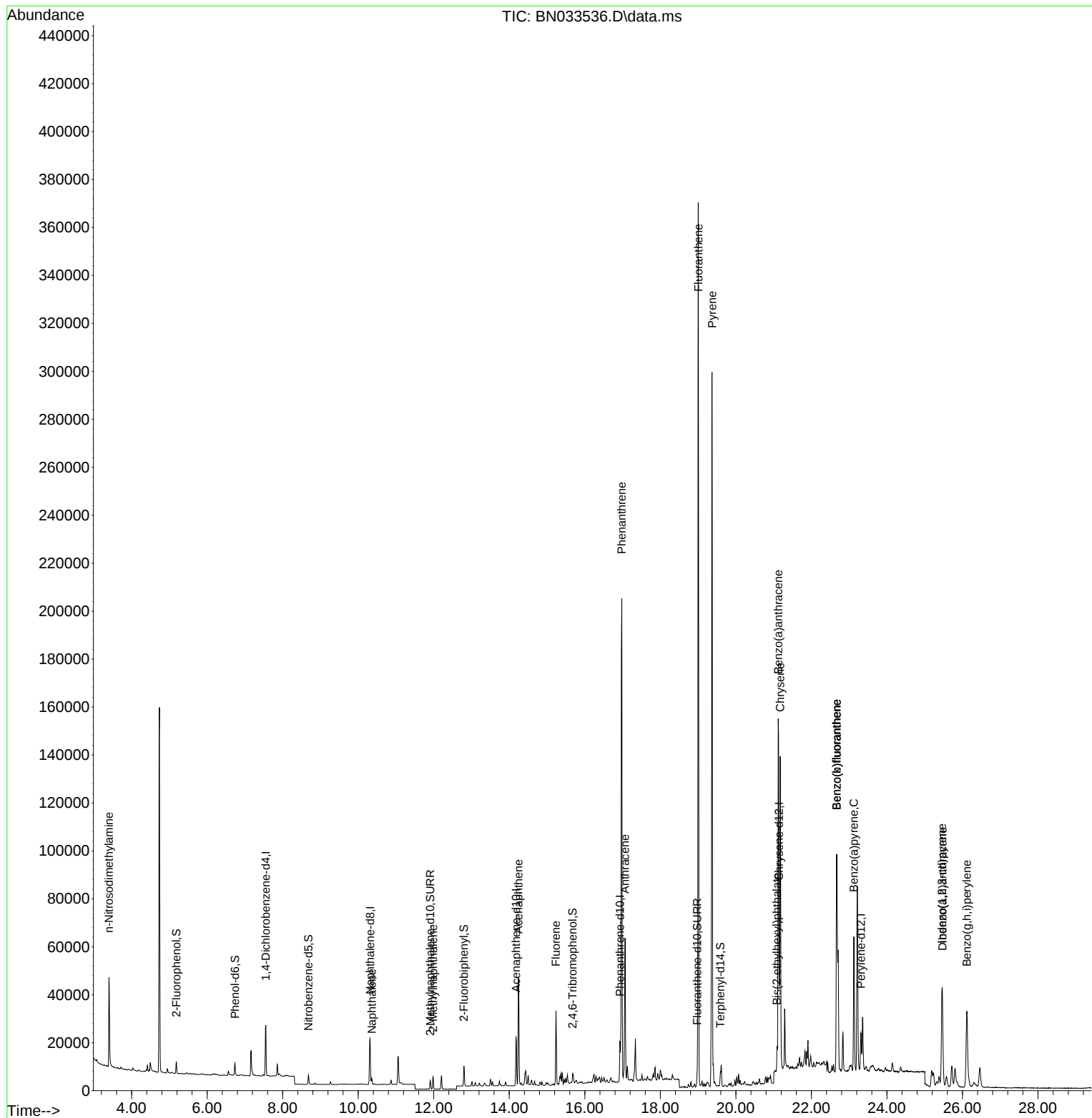
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	10059	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	26280	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	12154	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	23082	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	18303	0.400	ng	0.00
35) Perylene-d12	23.312	264	19480	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3534	0.111	ng	0.00
5) Phenol-d6	6.736	99	4345	0.114	ng	0.00
8) Nitrobenzene-d5	8.681	82	2817	0.129	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	4779	0.127	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	608	0.093	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	6714	0.135	ng	-0.01
27) Fluoranthene-d10	18.975	212	7165	0.129	ng	0.00
31) Terphenyl-d14	19.588	244	4838	0.116	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.399	42	5307	0.394	ng	# 1
9) Naphthalene	10.357	128	3008	0.043	ng	# 94
12) 2-Methylnaphthalene	11.983	142	3665	0.082	ng	98
17) Acenaphthene	14.242	154	22503	0.600	ng	97
18) Fluorene	15.236	166	18443	0.390	ng	99
25) Phenanthrene	16.979	178	227824	3.548	ng	100
26) Anthracene	17.066	178	61292	1.079	ng	98
28) Fluoranthene	19.003	202	309822	4.366	ng	100
30) Pyrene	19.370	202	265374	3.249	ng	# 94
32) Benzo(a)anthracene	21.121	228	132575	2.003	ng	98
33) Chrysene	21.175	228	114926	1.747	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	13600	0.325	ng	# 67
36) Indeno(1,2,3-cd)pyrene	25.461	276	62387	0.771	ng	95
37) Benzo(b)fluoranthene	22.668	252	144262	1.983	ng	# 95
38) Benzo(k)fluoranthene	22.668	252	144262	2.015	ng	# 93
39) Benzo(a)pyrene	23.125	252	67205	1.117	ng	96
40) Dibenzo(a,h)anthracene	25.469	278	14829	0.229	ng	94
41) Benzo(g,h,i)perylene	26.115	276	62037	0.897	ng	100

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

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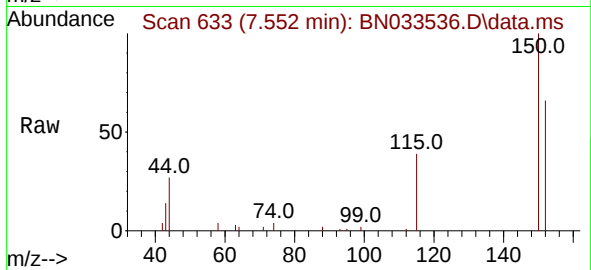
Quant Time: Aug 21 11:26:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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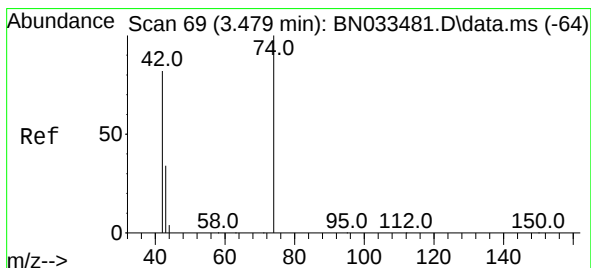
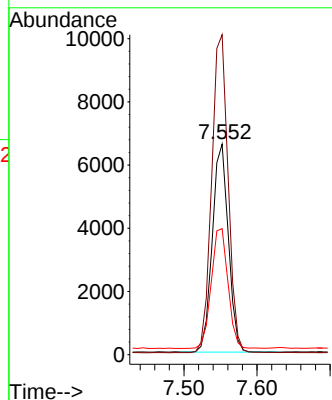
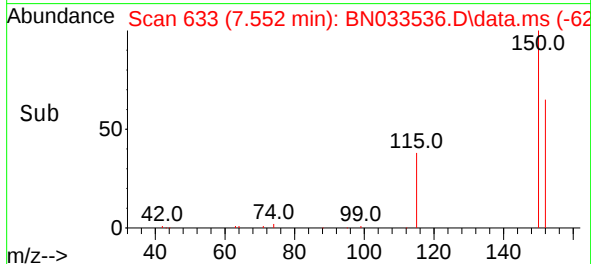


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Instrument :
BNA_N
ClientSampleId :

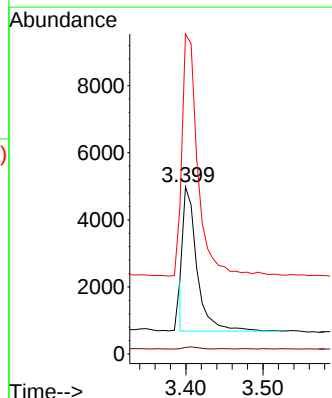
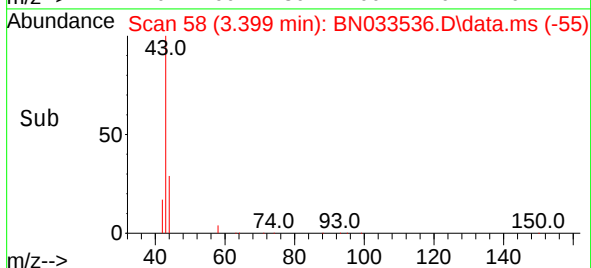
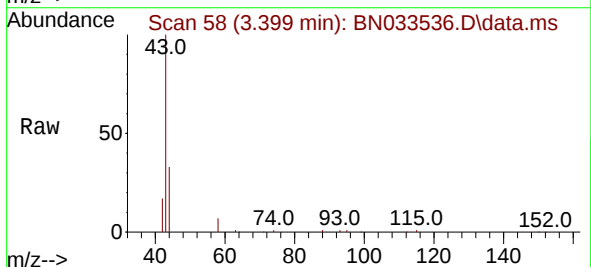


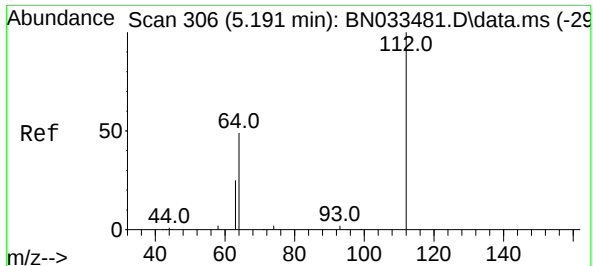
Tgt Ion:152 Resp: 10059
Ion Ratio Lower Upper
152 100
150 152.0 122.2 183.2
115 59.9 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.394 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.079 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Tgt Ion: 42 Resp: 5307
Ion Ratio Lower Upper
42 100
74 1.3 100.2 150.2#
44 175.8 5.3 7.9#

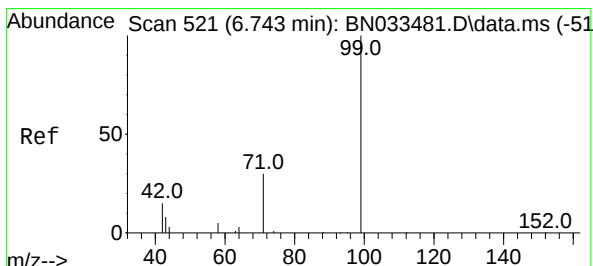
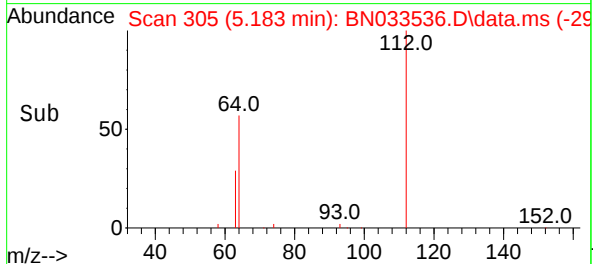
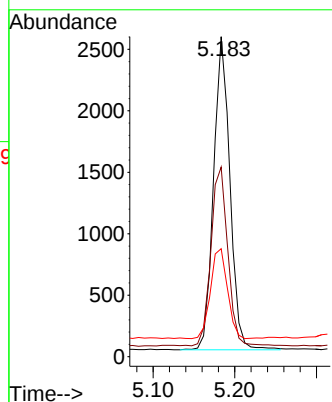
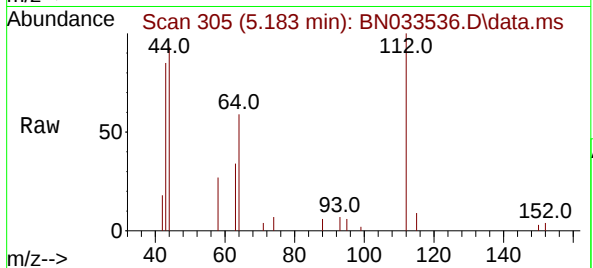




#4
2-Fluorophenol
Concen: 0.111 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

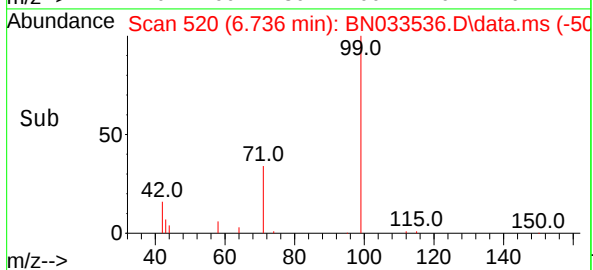
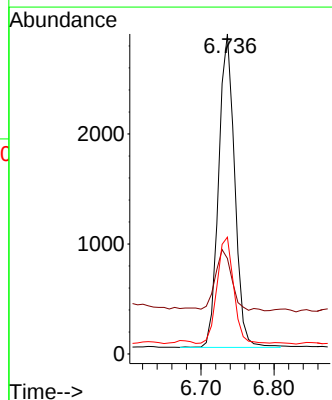
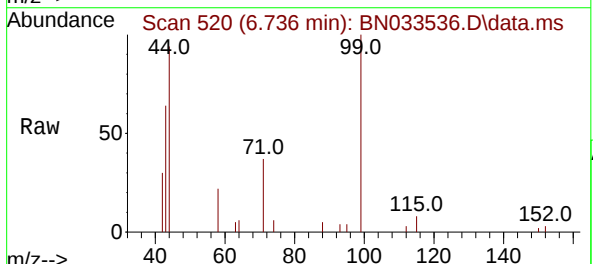
Instrument :
BNA_N
ClientSampleId :

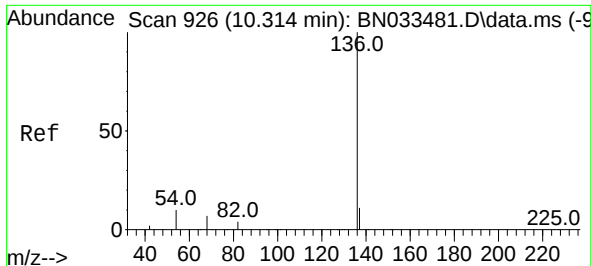
Tgt Ion:112 Resp: 3534
Ion Ratio Lower Upper
112 100
64 58.7 47.1 70.7
63 29.9 24.9 37.3



#5
Phenol-d6
Concen: 0.114 ng
RT: 6.736 min Scan# 520
Delta R.T. -0.007 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

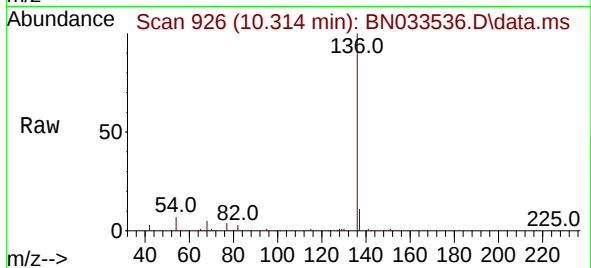
Tgt Ion: 99 Resp: 4345
Ion Ratio Lower Upper
99 100
42 20.0 16.6 24.8
71 34.9 26.2 39.4



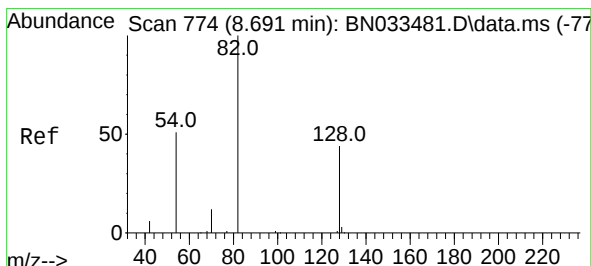
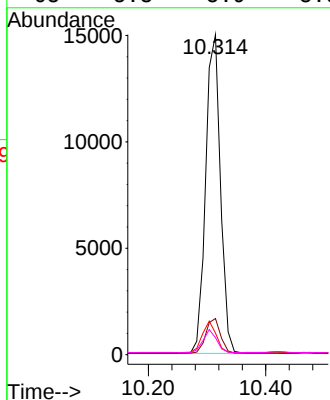
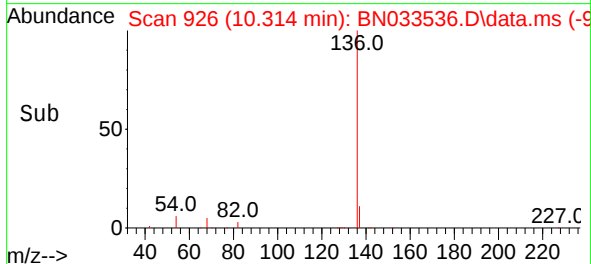


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Instrument :
BNA_N
ClientSampleId :

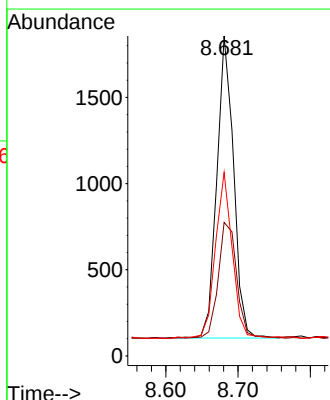
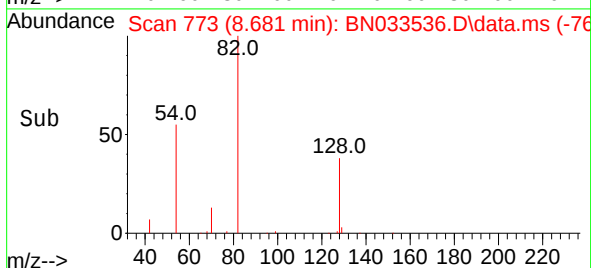
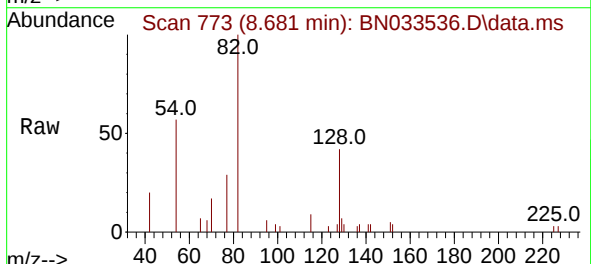


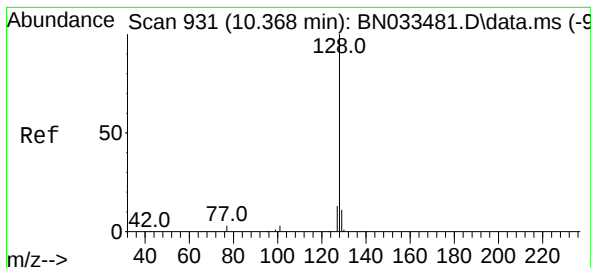
Tgt Ion:136 Resp: 26280
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 6.8 8.3 12.5#
68 5.3 5.9 8.9#



#8
Nitrobenzene-d5
Concen: 0.129 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Tgt Ion: 82 Resp: 2817
Ion Ratio Lower Upper
82 100
128 41.7 36.0 54.0
54 57.4 42.0 63.0





#9

Naphthalene

Concen: 0.043 ng

RT: 10.357 min Scan# 91

Delta R.T. -0.011 min BNA_N

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

Instrument :

BNA_N

ClientSampleId :

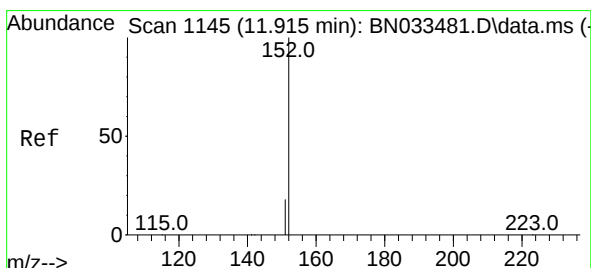
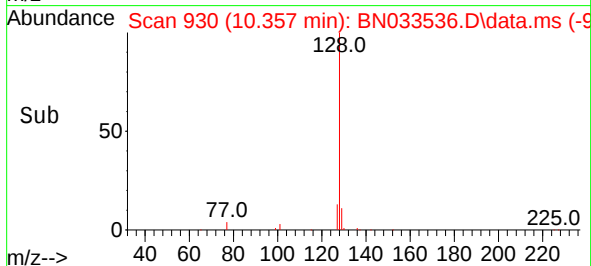
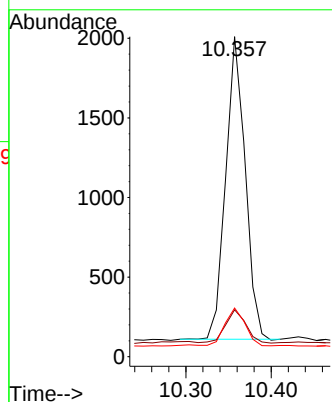
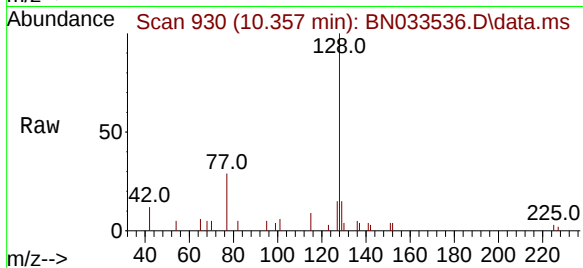
Tgt Ion:128 Resp: 3008

Ion Ratio Lower Upper

128 100

129 14.7 9.1 13.7#

127 15.2 10.7 16.1



#11

2-Methylnaphthalene-d10

Concen: 0.127 ng

RT: 11.907 min Scan# 1143

Delta R.T. -0.008 min

Lab File: BN033536.D

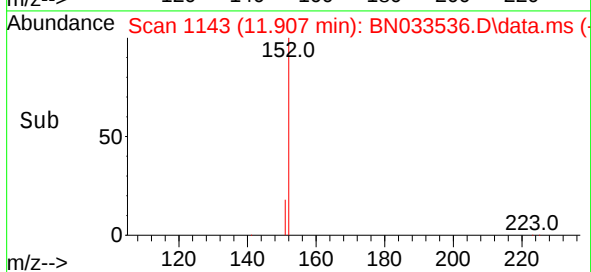
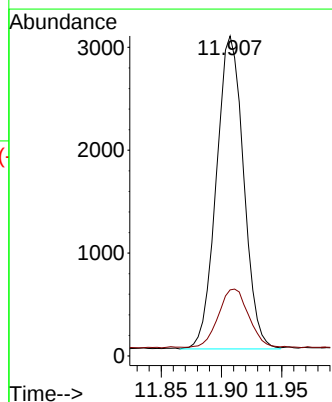
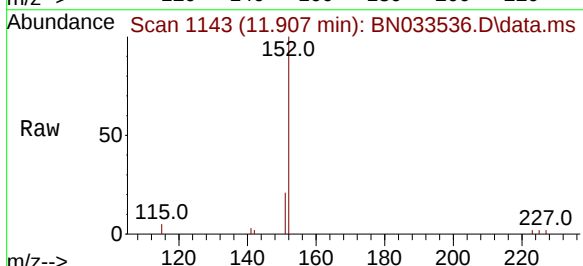
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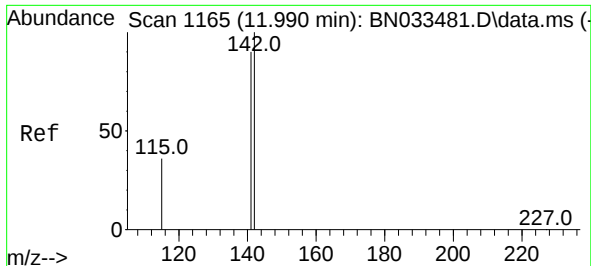
Tgt Ion:152 Resp: 4779

Ion Ratio Lower Upper

152 100

151 20.8 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.082 ng

RT: 11.983 min Scan# 1163

Delta R.T. -0.008 min

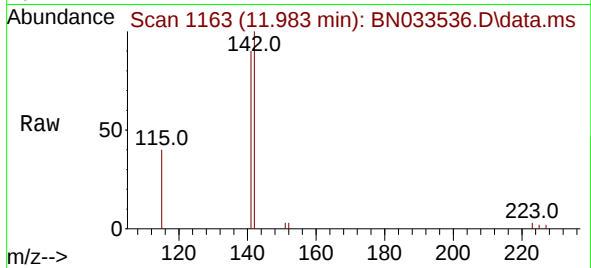
Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

Instrument :

BNA_N

ClientSampleId :



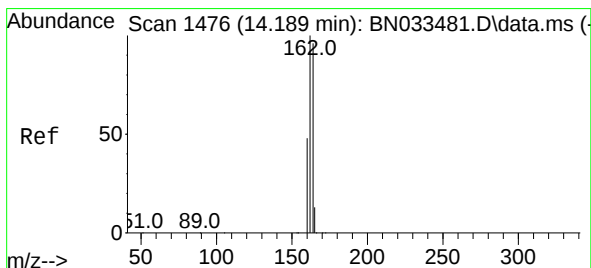
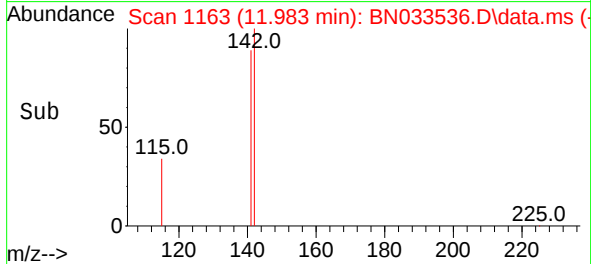
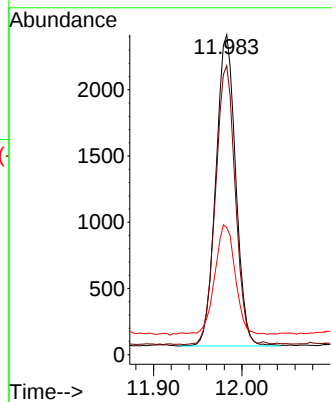
Tgt Ion:142 Resp: 3665

Ion Ratio Lower Upper

142 100

141 90.3 71.7 107.5

115 39.7 29.4 44.2



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.011 min

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

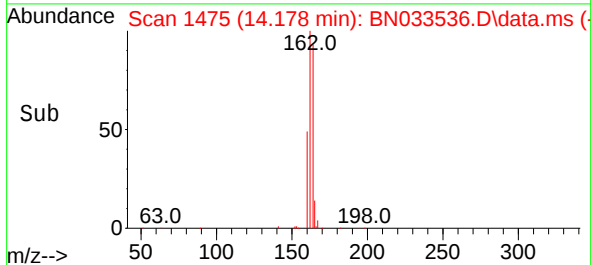
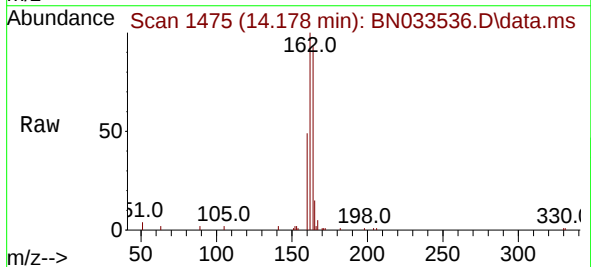
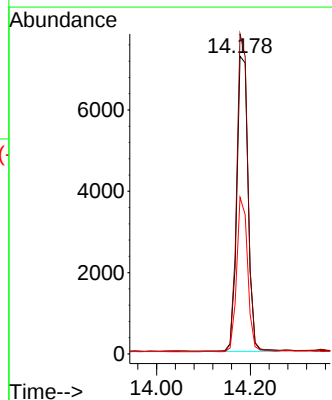
Tgt Ion:164 Resp: 12154

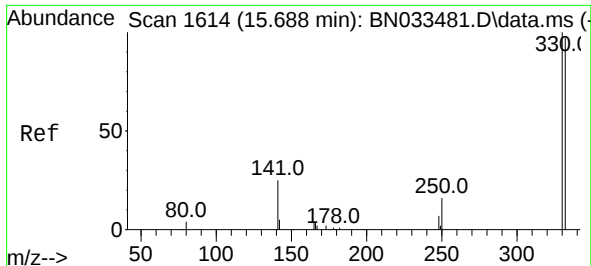
Ion Ratio Lower Upper

164 100

162 107.4 83.5 125.3

160 52.6 40.2 60.4

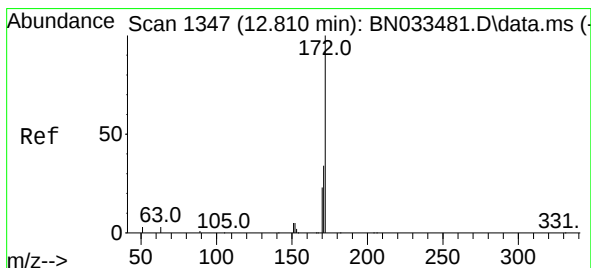
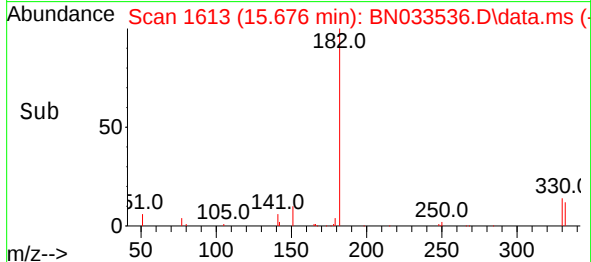
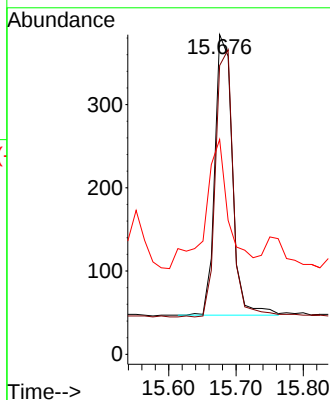
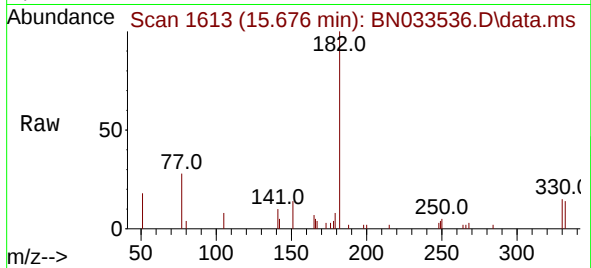




#14
2,4,6-Tribromophenol
Concen: 0.093 ng
RT: 15.676 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

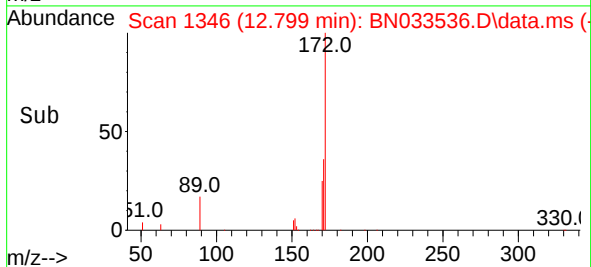
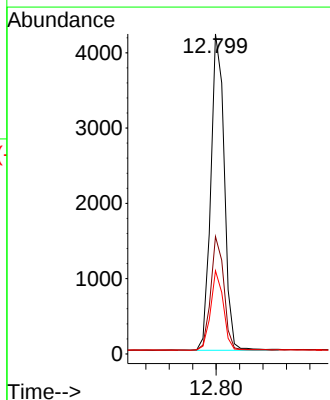
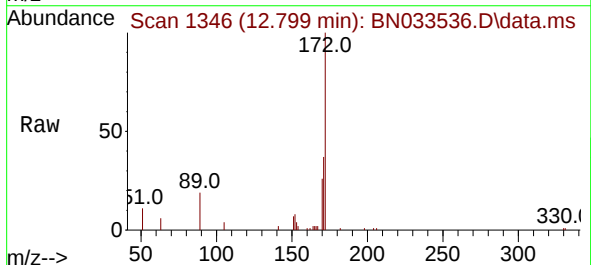
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BNA_N
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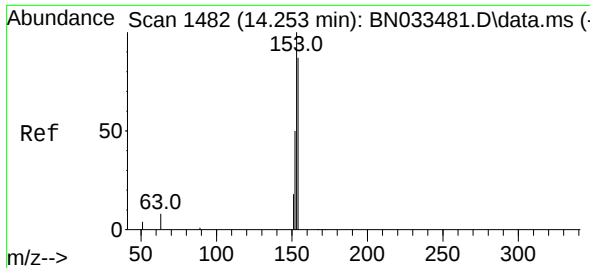
Tgt Ion:330 Resp: 608
Ion Ratio Lower Upper
330 100
332 95.2 77.5 116.3
141 61.3 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.135 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.011 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

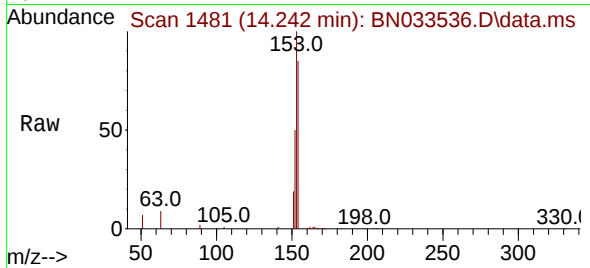
Tgt Ion:172 Resp: 6714
Ion Ratio Lower Upper
172 100
171 36.7 27.7 41.5
170 26.0 18.3 27.5



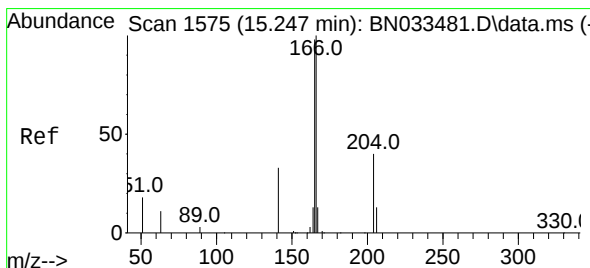
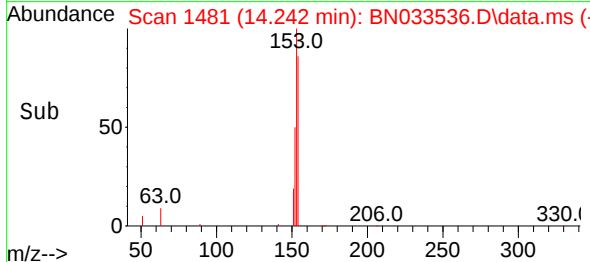
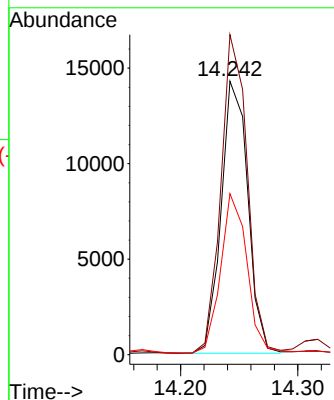


#17
Acenaphthene
Concen: 0.600 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Instrument :
BNA_N
ClientSampleId :

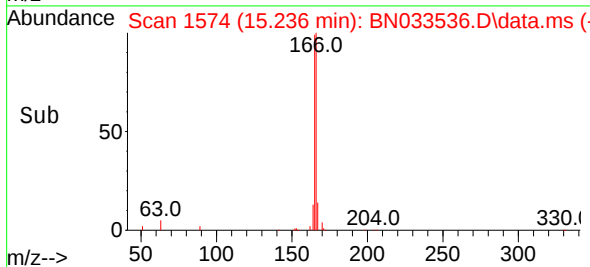
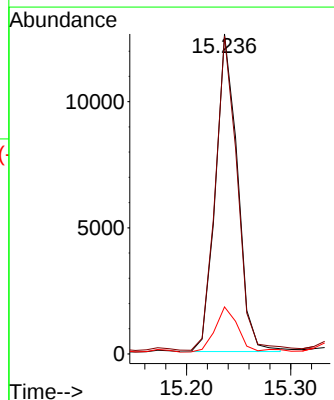
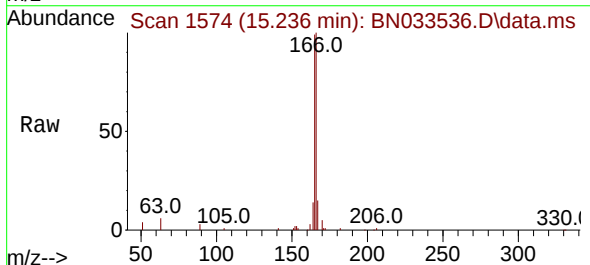


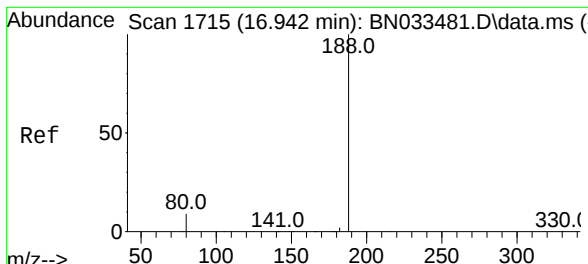
Tgt Ion:154 Resp: 22503
Ion Ratio Lower Upper
154 100
153 115.4 89.0 133.6
152 57.7 45.2 67.8



#18
Fluorene
Concen: 0.390 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Tgt Ion:166 Resp: 18443
Ion Ratio Lower Upper
166 100
165 97.8 78.2 117.4
167 15.1 10.6 16.0

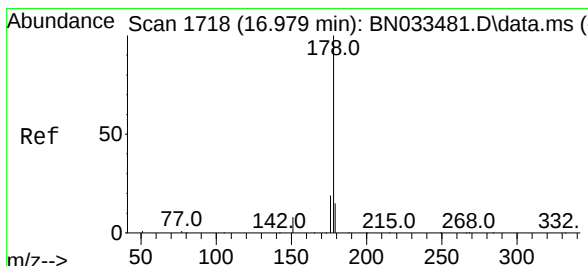
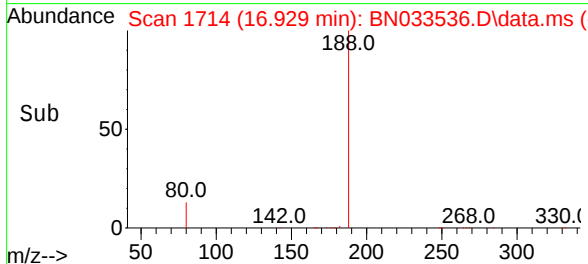
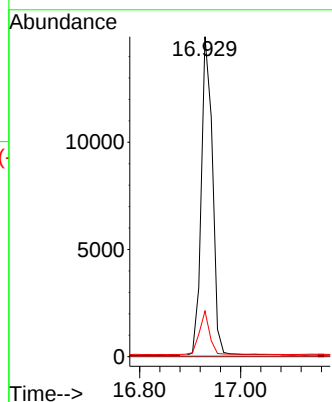
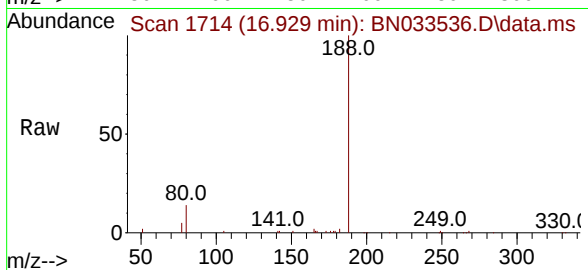




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

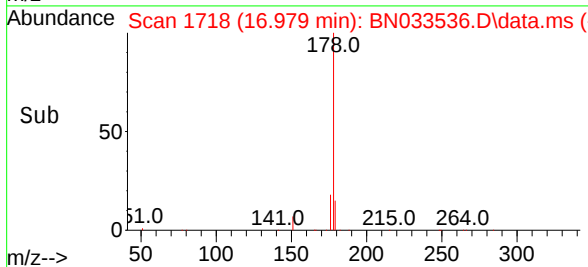
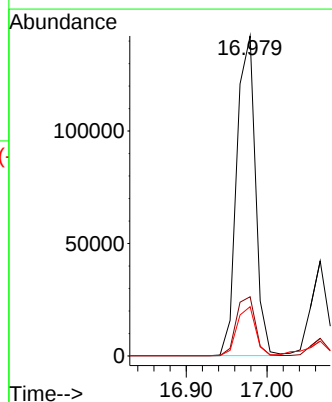
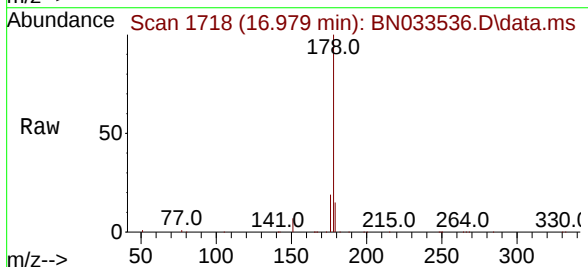
Instrument :
BNA_N
ClientSampleId :

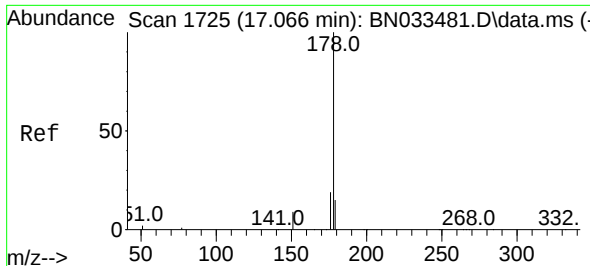
Tgt Ion:188 Resp: 23082
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 7.8 11.8#



#25
Phenanthrene
Concen: 3.548 ng
RT: 16.979 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

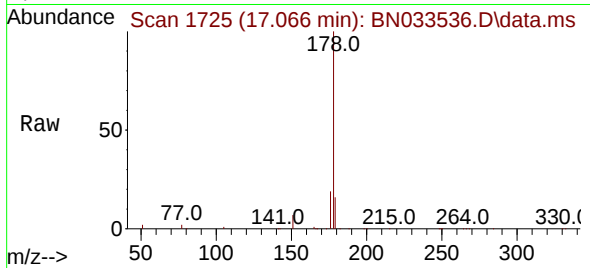
Tgt Ion:178 Resp: 227824
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.3 18.5



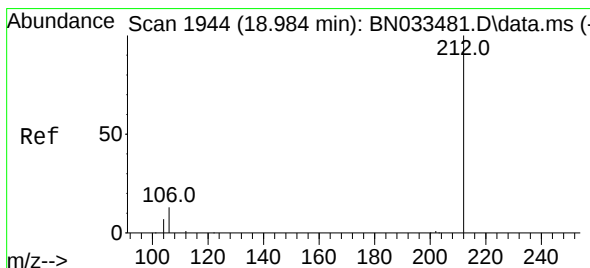
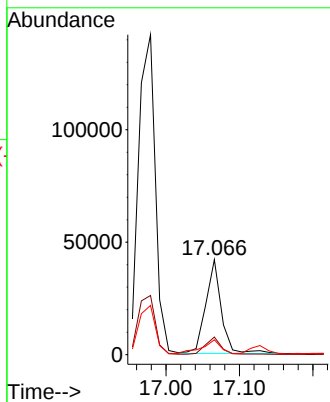
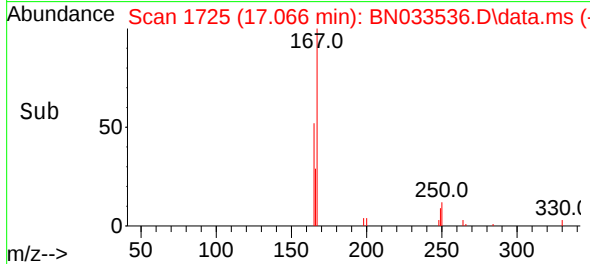


#26
 Anthracene
 Concen: 1.079 ng
 RT: 17.066 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN033536.D
 Acq: 21 Aug 2024 10:40

Instrument :
 BNA_N
 ClientSampleId :

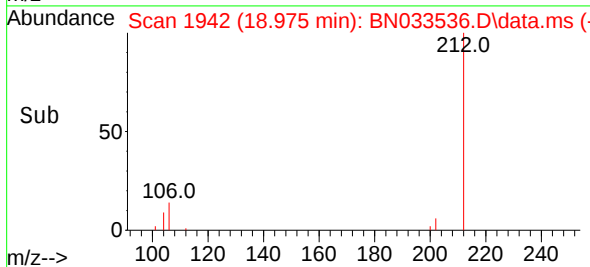
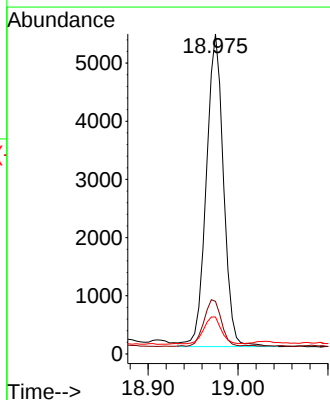
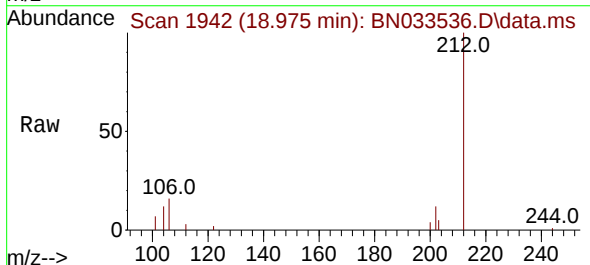


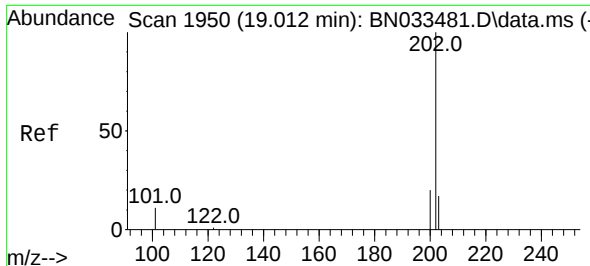
Tgt Ion:178 Resp: 61292
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 17.1 12.4 18.6



#27
 Fluoranthene-d10
 Concen: 0.129 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. -0.009 min
 Lab File: BN033536.D
 Acq: 21 Aug 2024 10:40

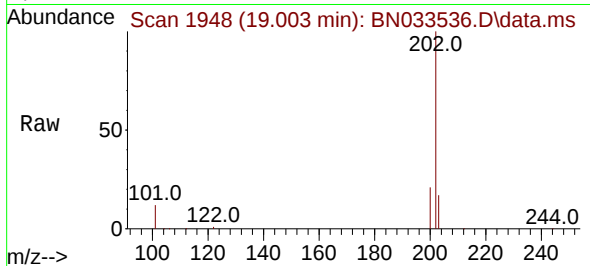
Tgt Ion:212 Resp: 7165
 Ion Ratio Lower Upper
 212 100
 106 15.1 12.3 18.5
 104 9.2 7.0 10.4



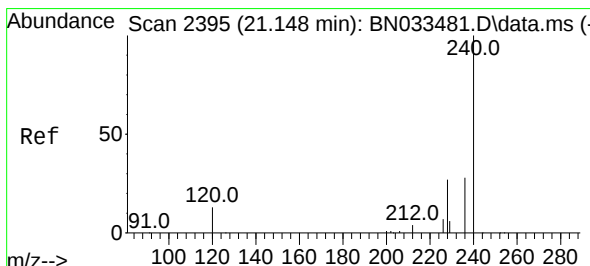
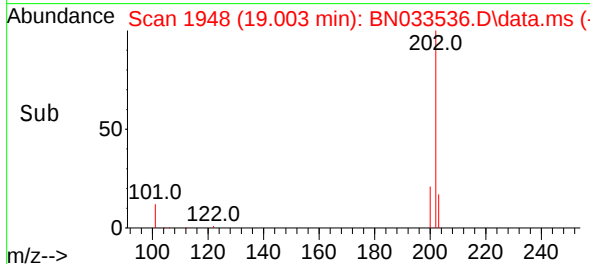
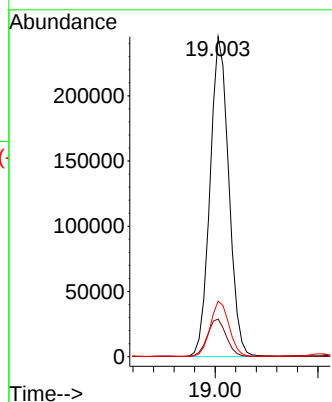


#28
Fluoranthene
Concen: 4.366 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Instrument :
BNA_N
ClientSampleId :

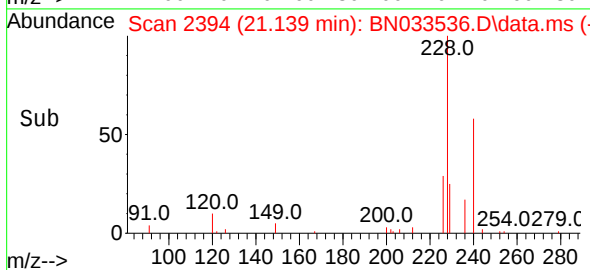
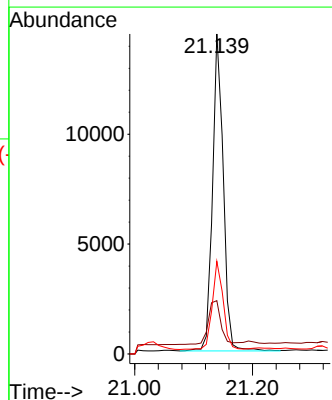
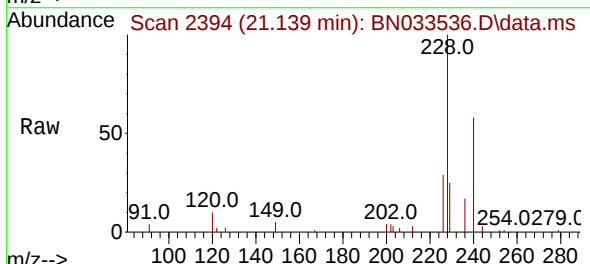


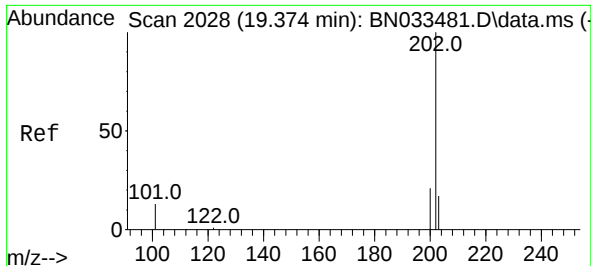
Tgt Ion:202 Resp: 309822
Ion Ratio Lower Upper
202 100
101 11.9 9.5 14.3
203 17.4 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Tgt Ion:240 Resp: 18303
Ion Ratio Lower Upper
240 100
120 16.7 12.4 18.6
236 29.0 23.0 34.6





#30

Pyrene

Concen: 3.249 ng

RT: 19.370 min Scan# 2028

Delta R.T. -0.005 min

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

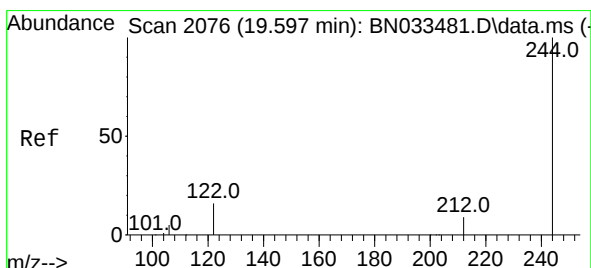
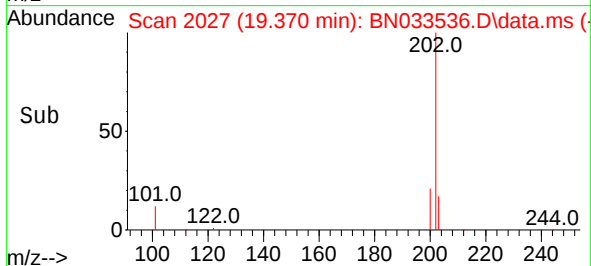
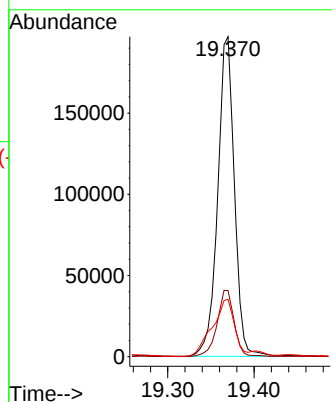
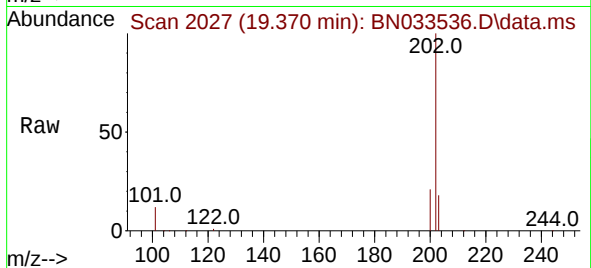
Instrument :

BNA_N

ClientSampleId :

Tgt Ion:202 Resp: 265374

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	23.4	14.2	21.4



#31

Terphenyl-d14

Concen: 0.116 ng

RT: 19.588 min Scan# 2074

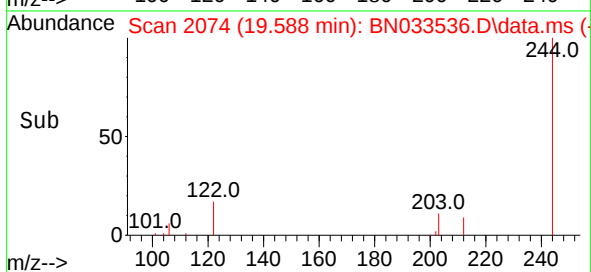
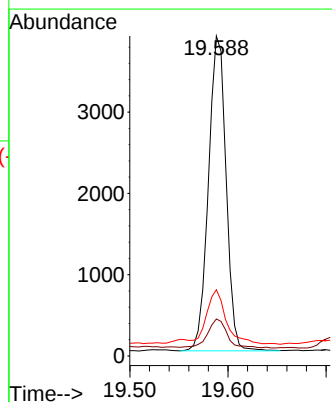
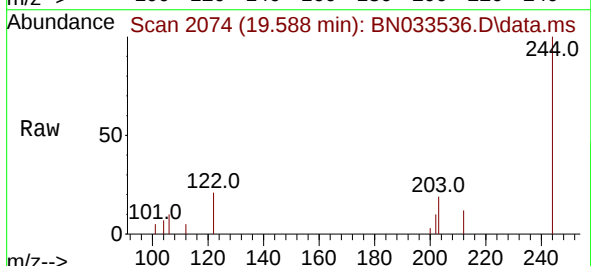
Delta R.T. -0.009 min

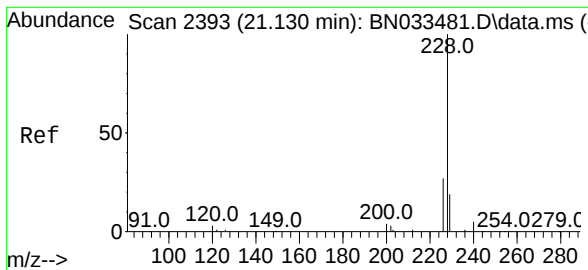
Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

Tgt Ion:244 Resp: 4838

Ion	Ratio	Lower	Upper
244	100		
212	11.5	7.8	11.6
122	20.7	13.3	19.9





#32

Benzo(a)anthracene

Concen: 2.003 ng

RT: 21.121 min Scan# 2392

Delta R.T. -0.009 min

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

Instrument :

BNA_N

ClientSampleId :

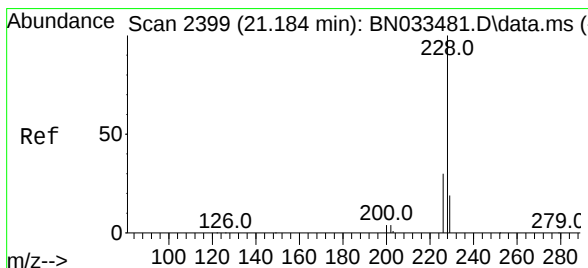
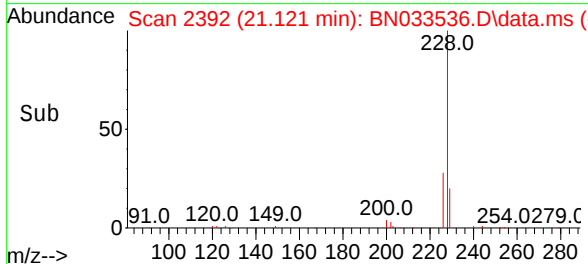
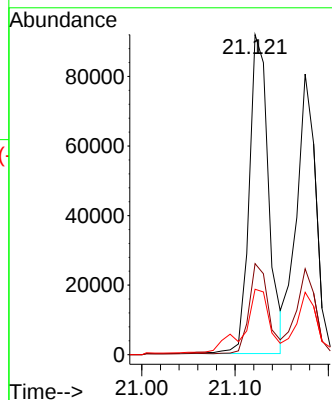
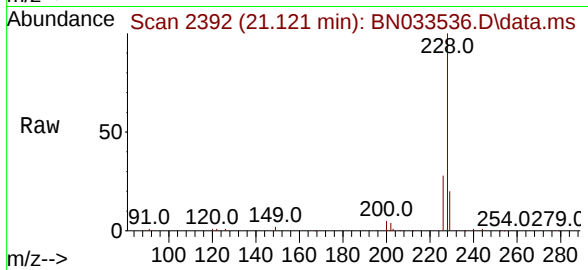
Tgt Ion:228 Resp: 132575

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.6

229 20.4 15.8 23.6



#33

Chrysene

Concen: 1.747 ng

RT: 21.175 min Scan# 2398

Delta R.T. -0.009 min

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

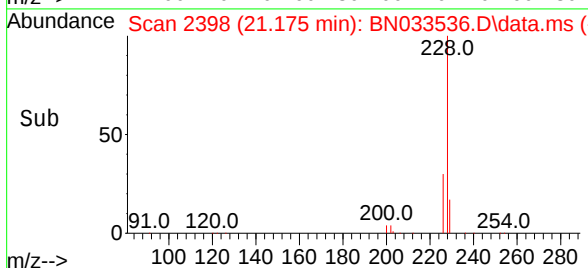
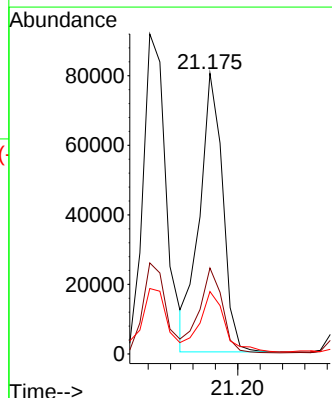
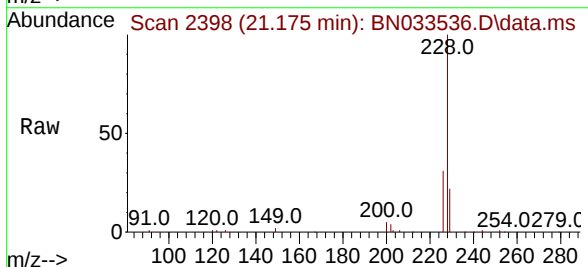
Tgt Ion:228 Resp: 114926

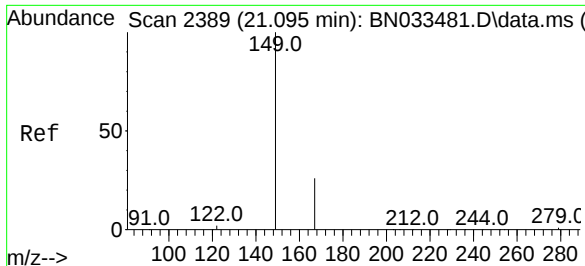
Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.8

229 22.3 15.6 23.4

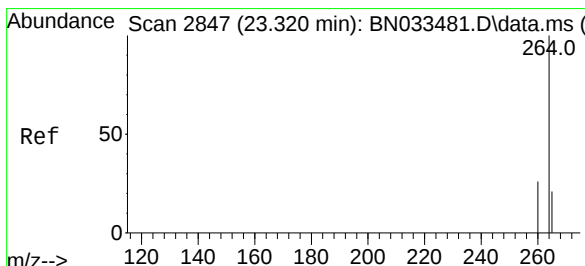
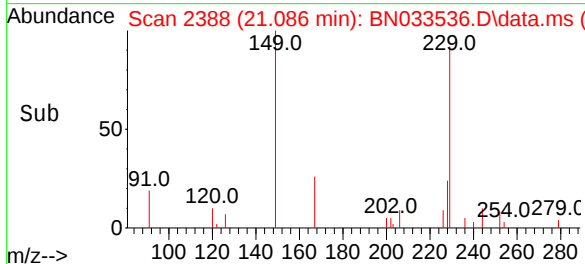
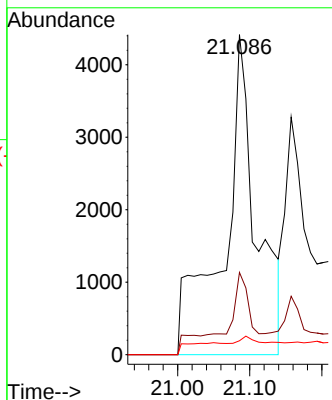
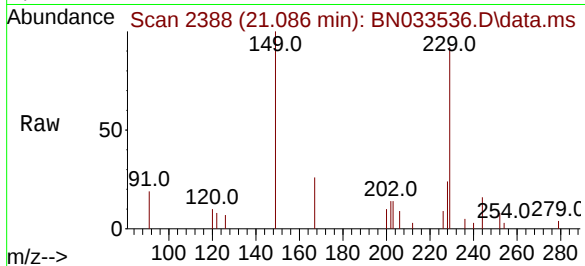




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.325 ng
 RT: 21.086 min Scan# 2388
 Delta R.T. -0.009 min
 Lab File: BN033536.D
 Acq: 21 Aug 2024 10:40

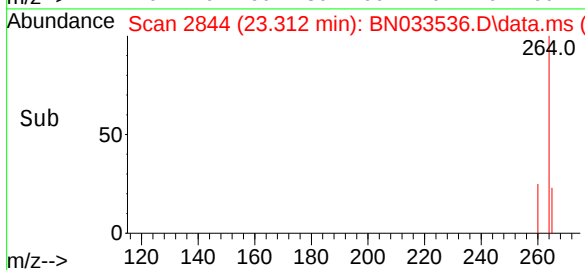
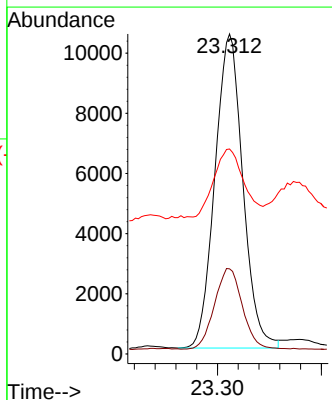
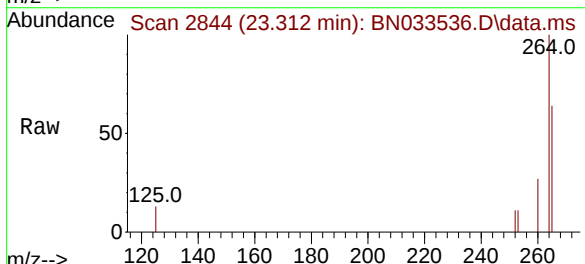
Instrument :
 BNA_N
 ClientSampleId :

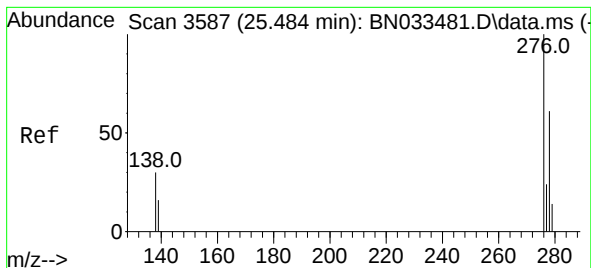
Tgt Ion:149 Resp: 13600
 Ion Ratio Lower Upper
 149 100
 167 8.5 21.5 32.3#
 279 1.6 2.2 3.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.312 min Scan# 2844
 Delta R.T. -0.009 min
 Lab File: BN033536.D
 Acq: 21 Aug 2024 10:40

Tgt Ion:264 Resp: 19480
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.8 31.2
 265 64.0 52.2 78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.771 ng

RT: 25.461 min Scan# 3579

Delta R.T. -0.023 min

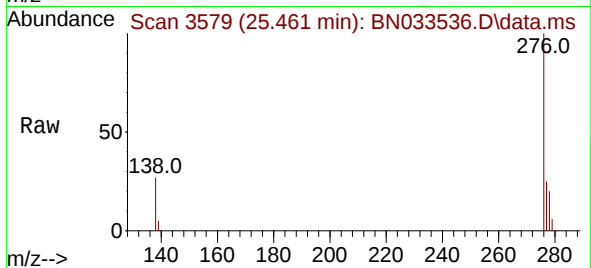
Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

Instrument :

BNA_N

ClientSampleId :



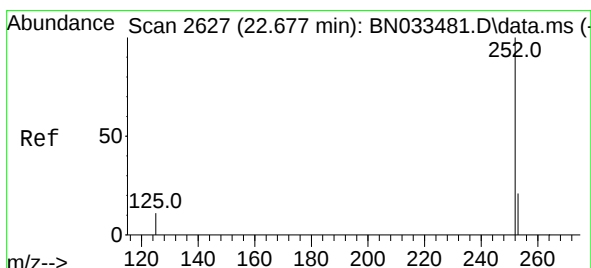
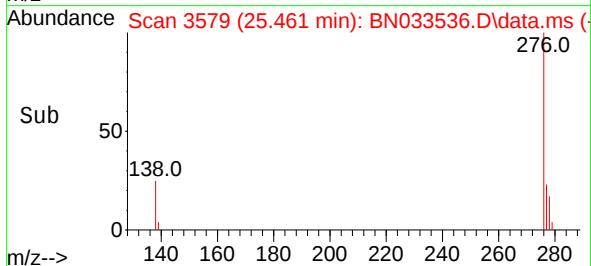
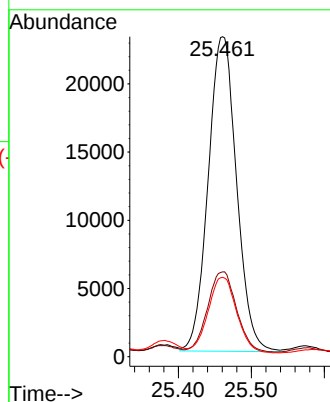
Tgt Ion:276 Resp: 62387

Ion Ratio Lower Upper

276 100

138 25.9 24.4 36.6

277 24.1 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 1.983 ng

RT: 22.668 min Scan# 2624

Delta R.T. -0.009 min

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

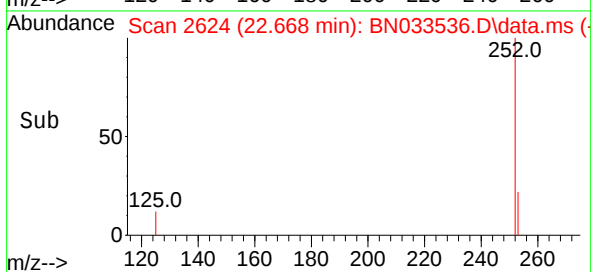
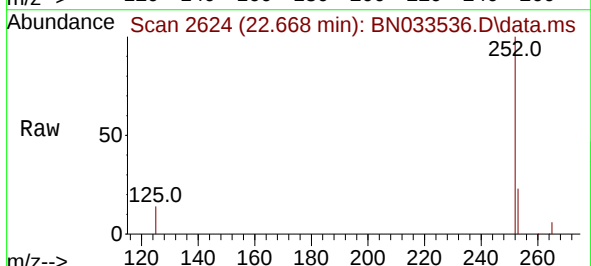
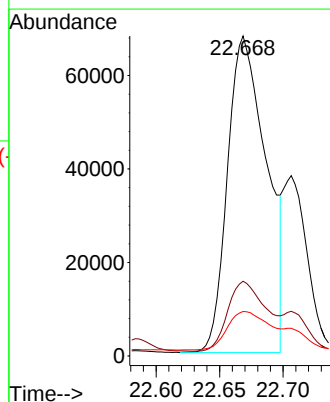
Tgt Ion:252 Resp: 144262

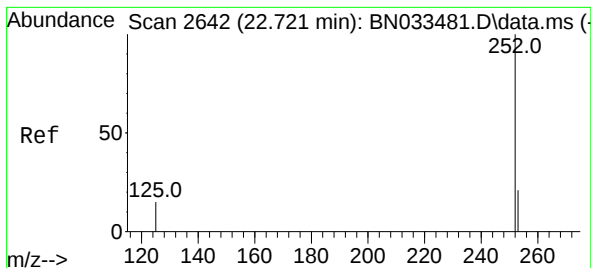
Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

125 13.9 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 2.015 ng

RT: 22.668 min Scan# 2

Delta R.T. -0.053 min

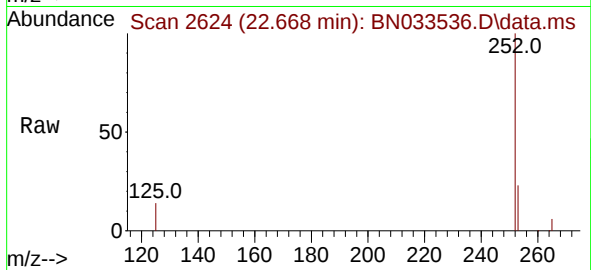
Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

Instrument :

BNA_N

ClientSampleId :



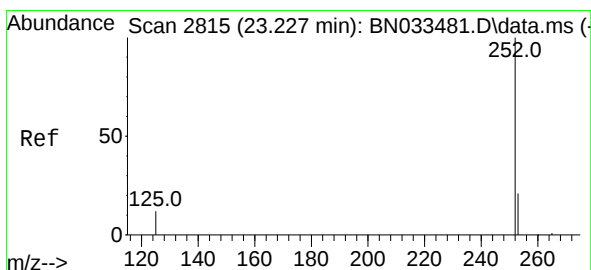
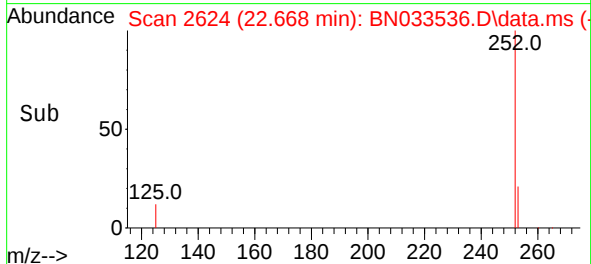
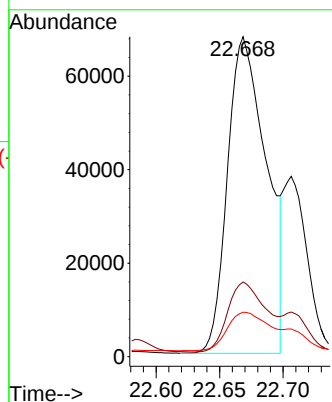
Tgt Ion:252 Resp: 144262

Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

125 13.9 15.8 23.8#



#39

Benzo(a)pyrene

Concen: 1.117 ng

RT: 23.125 min Scan# 2780

Delta R.T. -0.102 min

Lab File: BN033536.D

Acq: 21 Aug 2024 10:40

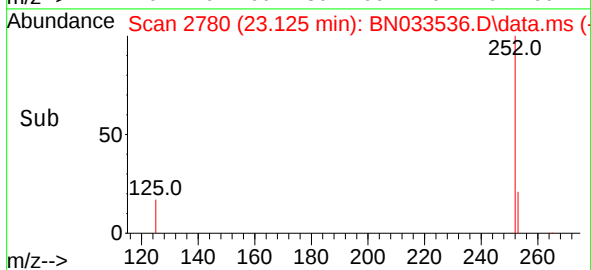
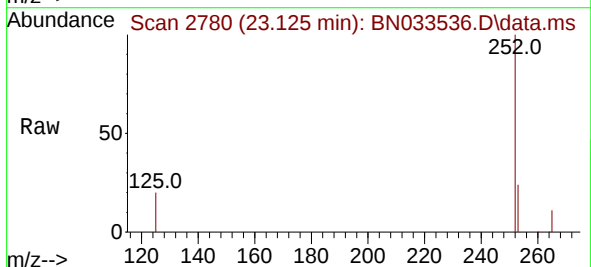
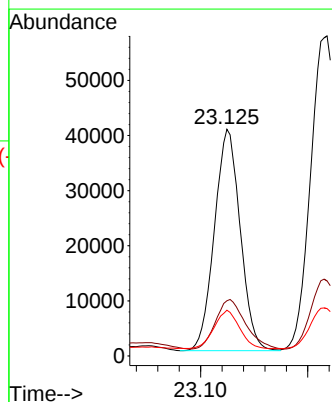
Tgt Ion:252 Resp: 67205

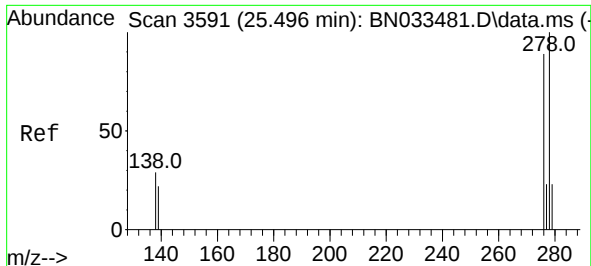
Ion Ratio Lower Upper

252 100

253 24.4 21.5 32.3

125 20.2 17.0 25.4

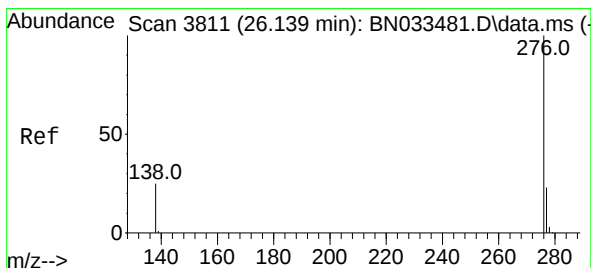
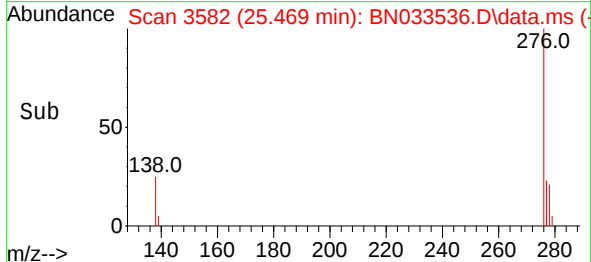
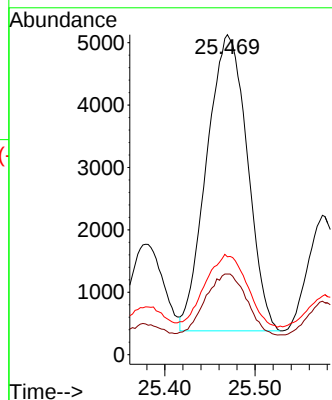
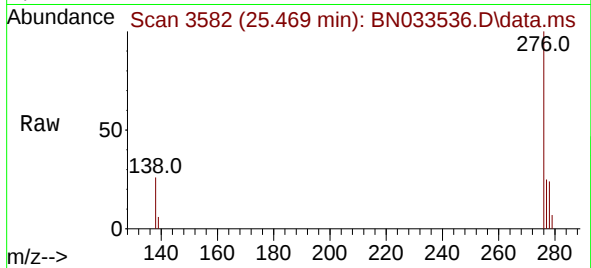




#40
Dibenzo(a,h)anthracene
Concen: 0.229 ng
RT: 25.469 min Scan# 3080
Delta R.T. -0.026 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 14829
Ion Ratio Lower Upper
278 100
139 25.2 19.1 28.7
279 30.6 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 0.897 ng
RT: 26.115 min Scan# 3803
Delta R.T. -0.023 min
Lab File: BN033536.D
Acq: 21 Aug 2024 10:40

Tgt Ion:276 Resp: 62037
Ion Ratio Lower Upper
276 100
277 24.6 19.7 29.5
138 27.2 21.8 32.6

