

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033535.D
 Acq On : 21 Aug 2024 10:04
 Operator : MA/JU
 Sample : P3643-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 21 10:49:57 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)

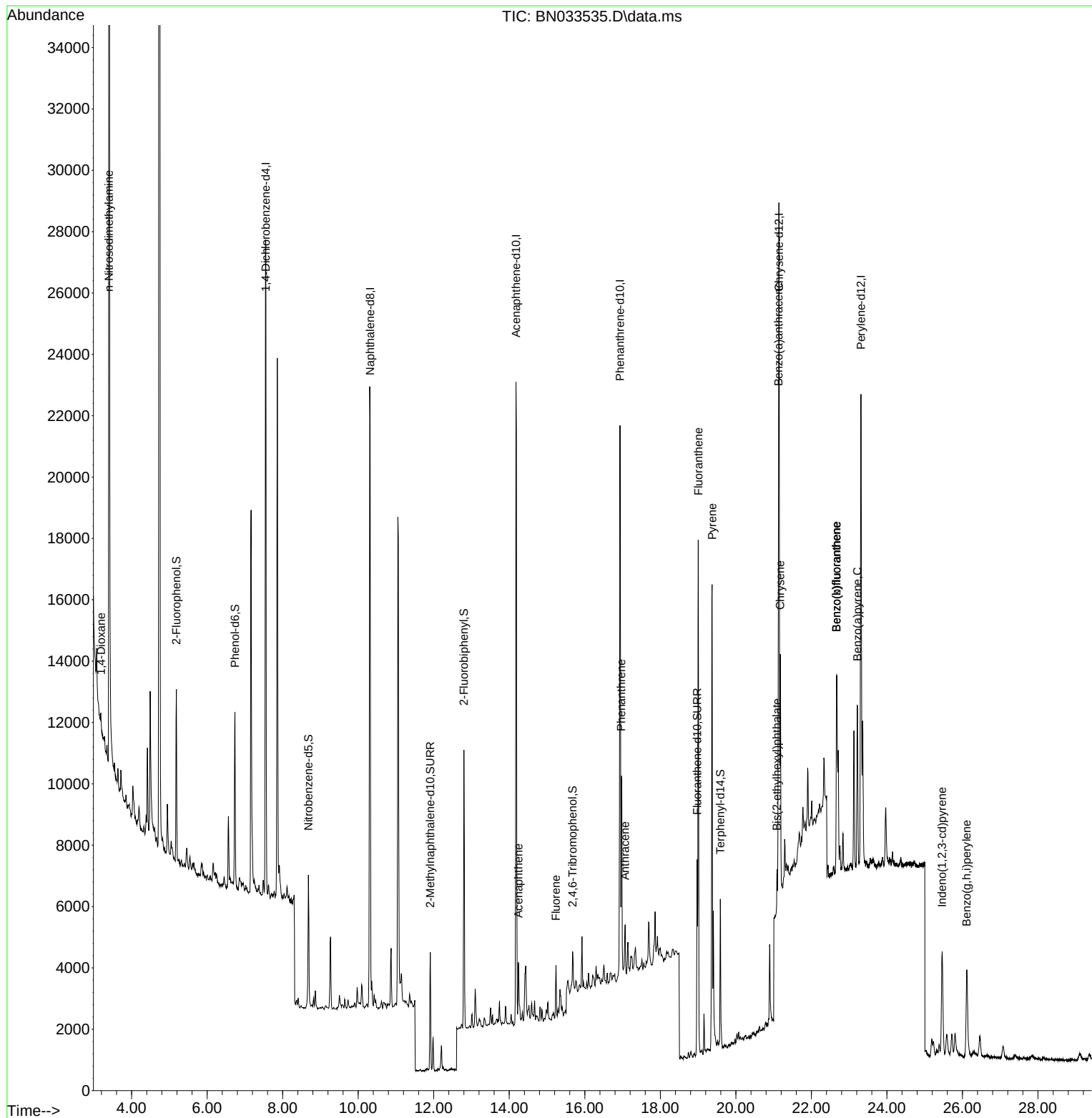
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	10294	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	27191	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	12637	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	23917	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	17698	0.400	ng	0.00
35) Perylene-d12	23.312	264	19491	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4054	0.124	ng	0.00
5) Phenol-d6	6.736	99	4927	0.127	ng	0.00
8) Nitrobenzene-d5	8.681	82	3164	0.140	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	5076	0.130	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	708	0.104	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	7083	0.137	ng	-0.01
27) Fluoranthene-d10	18.975	212	6767	0.118	ng	0.00
31) Terphenyl-d14	19.588	244	4293	0.107	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.190	88	329	0.028	ng	# 70
3) n-Nitrosodimethylamine	3.400	42	7341	0.533	ng	# 1
17) Acenaphthene	14.242	154	824	0.021	ng	88
18) Fluorene	15.236	166	1003	0.020	ng	# 89
25) Phenanthrene	16.967	178	7399	0.111	ng	100
26) Anthracene	17.066	178	1484	0.025	ng	# 92
28) Fluoranthene	19.003	202	14645	0.199	ng	99
30) Pyrene	19.370	202	13847	0.175	ng	# 95
32) Benzo(a)anthracene	21.130	228	7196	0.112	ng	# 93
33) Chrysene	21.175	228	7172	0.113	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.086	149	8535	0.211	ng	# 66
36) Indeno(1,2,3-cd)pyrene	25.461	276	5016	0.062	ng	96
37) Benzo(b)fluoranthene	22.666	252	10447	0.144	ng	# 74
38) Benzo(k)fluoranthene	22.666	252	10447	0.146	ng	# 77
39) Benzo(a)pyrene	23.215	252	7190	0.119	ng	# 73
41) Benzo(g,h,i)perylene	26.110	276	5535	0.080	ng	# 86

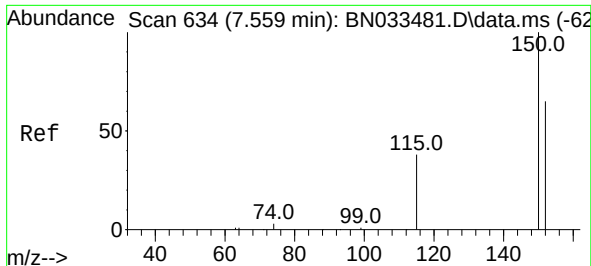
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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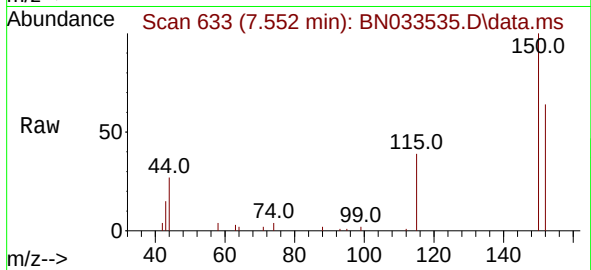
Quant Time: Aug 21 10:49:57 2024
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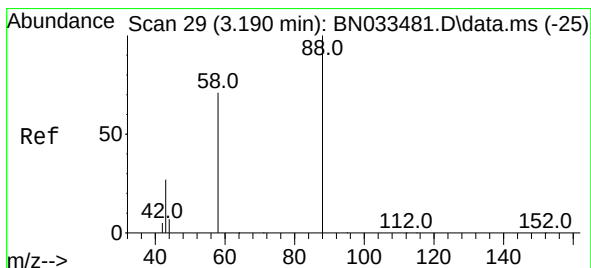
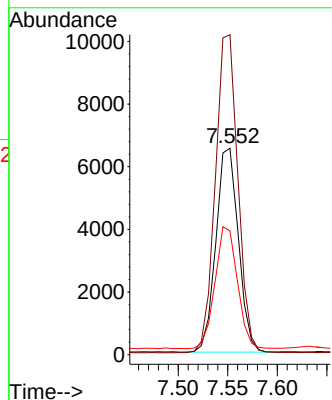
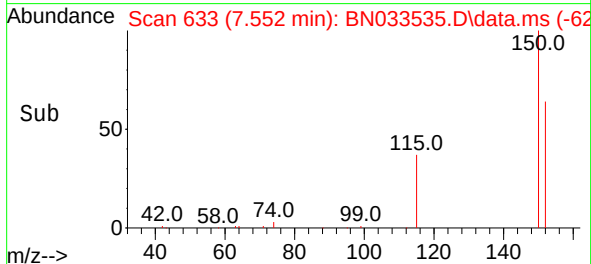


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.552 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

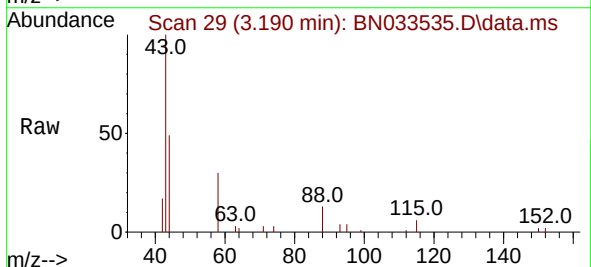
Instrument :
 BNA_N
 ClientSampleId :



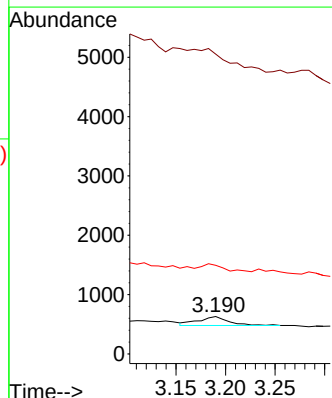
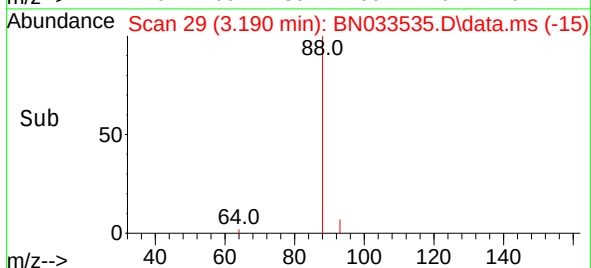
Tgt Ion:152 Resp: 10294
 Ion Ratio Lower Upper
 152 100
 150 155.1 122.2 183.2
 115 60.0 47.2 70.8

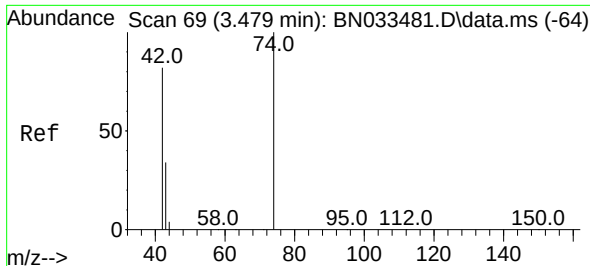


#2
 1,4-Dioxane
 Concen: 0.028 ng
 RT: 3.190 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04



Tgt Ion: 88 Resp: 329
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.0 37.4#
 58 60.8 62.5 93.7#

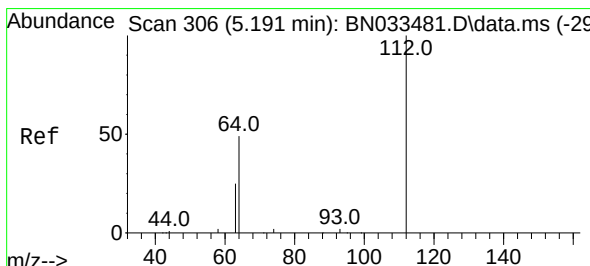
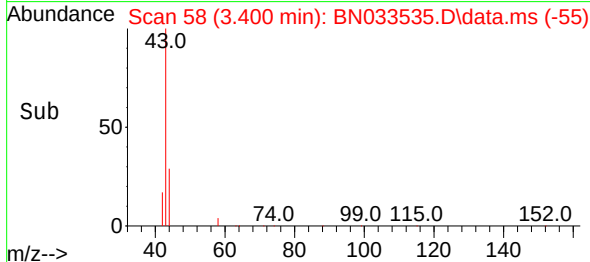
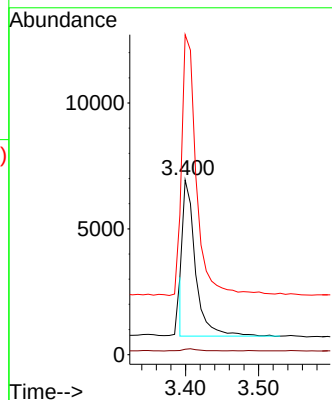
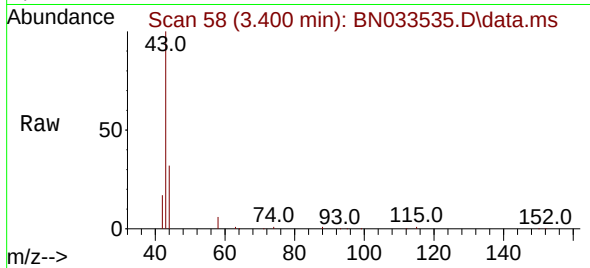




#3
 n-Nitrosodimethylamine
 Concen: 0.533 ng
 RT: 3.400 min Scan# 51
 Delta R.T. -0.079 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

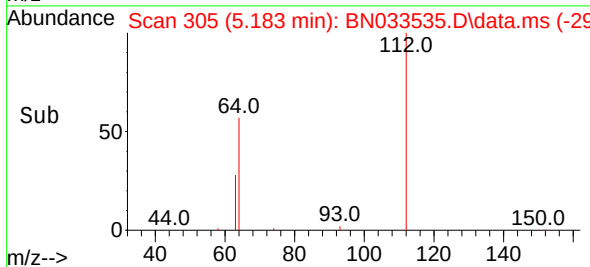
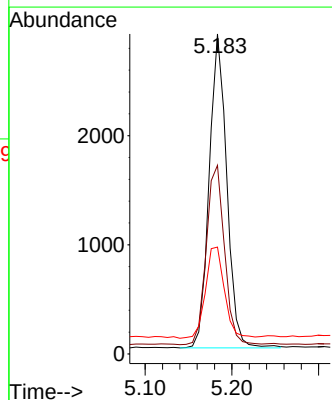
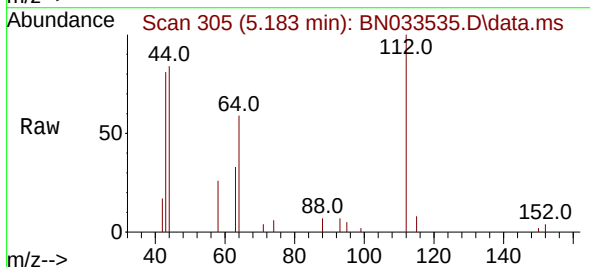
Instrument :
 BNA_N
 ClientSampleId :

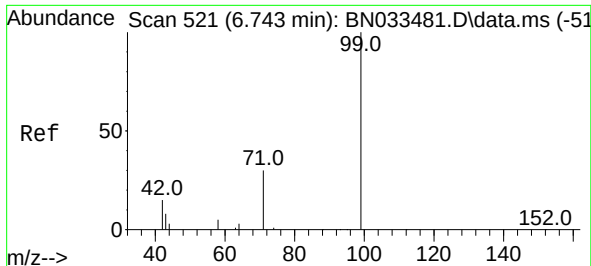
Tgt Ion: 42 Resp: 7341
 Ion Ratio Lower Upper
 42 100
 74 1.4 100.2 150.2#
 44 173.9 5.3 7.9#



#4
 2-Fluorophenol
 Concen: 0.124 ng
 RT: 5.183 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

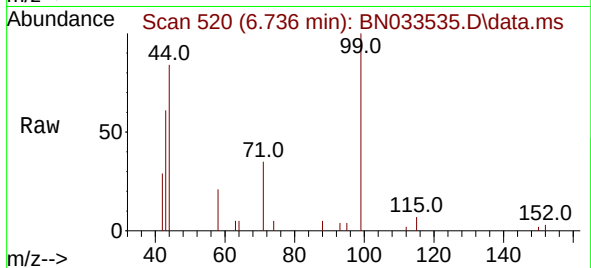
Tgt Ion: 112 Resp: 4054
 Ion Ratio Lower Upper
 112 100
 64 59.0 47.1 70.7
 63 31.4 24.9 37.3



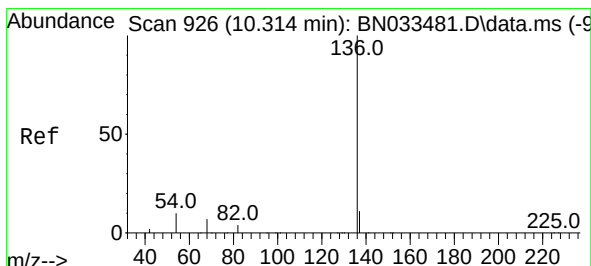
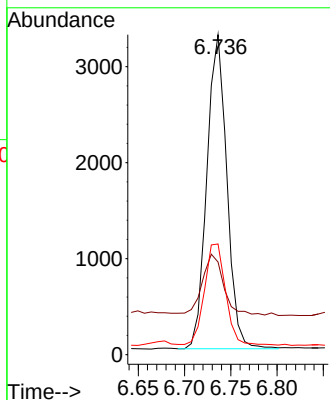
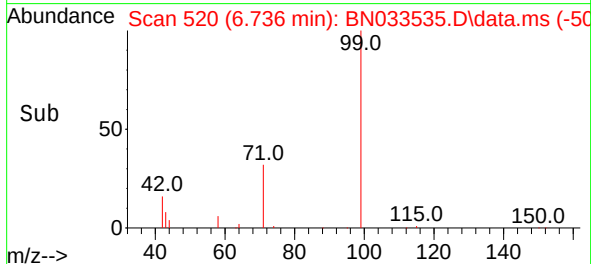


#5
Phenol-d6
Concen: 0.127 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

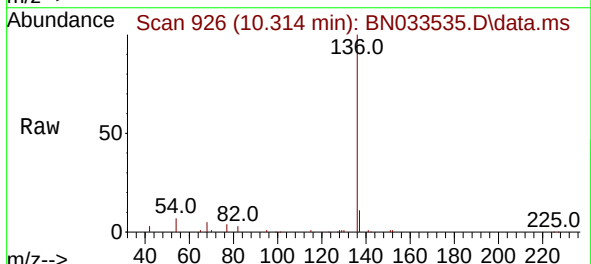
Instrument :
BNA_N
ClientSampleId :



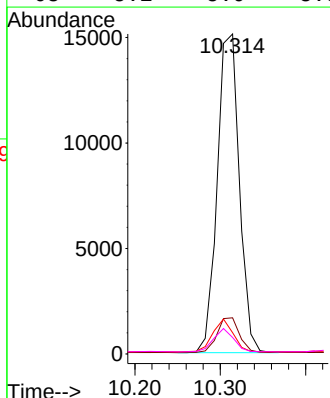
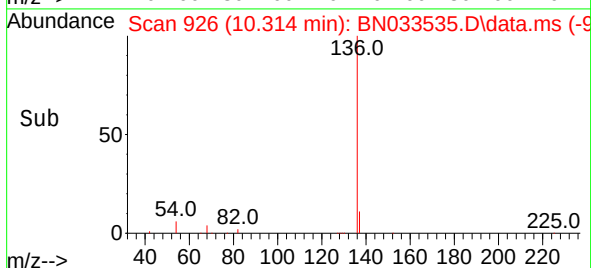
Tgt Ion: 99 Resp: 4927
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 34.1 26.2 39.4

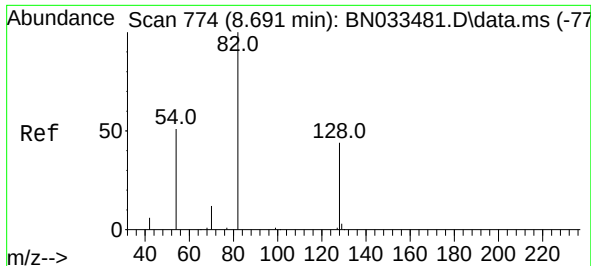


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. 0.000 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04



Tgt Ion: 136 Resp: 27191
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 6.6 8.3 12.5#
68 5.2 5.9 8.9#

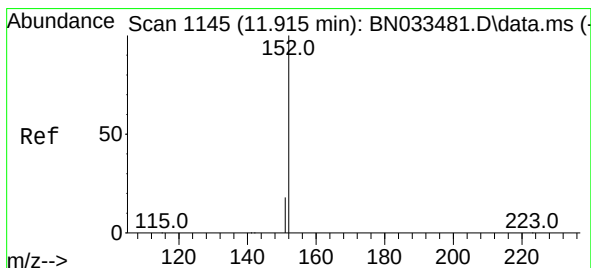
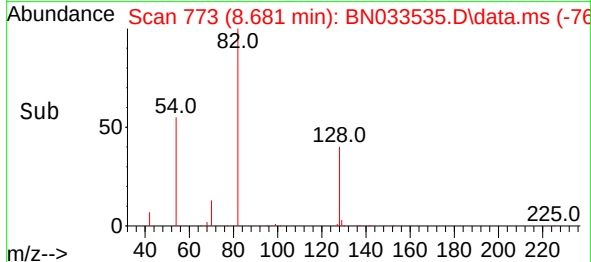
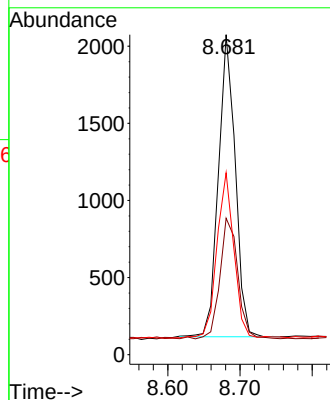
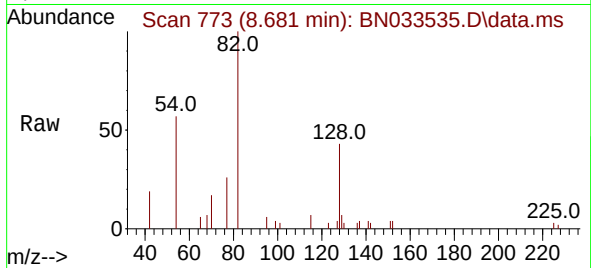




#8
 Nitrobenzene-d5
 Concen: 0.140 ng
 RT: 8.681 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

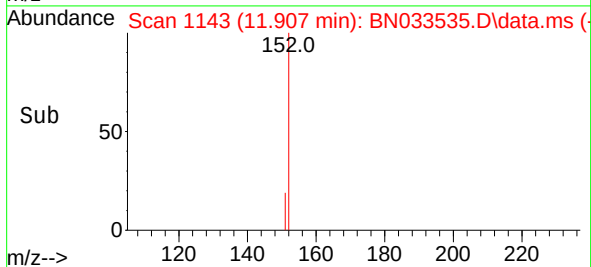
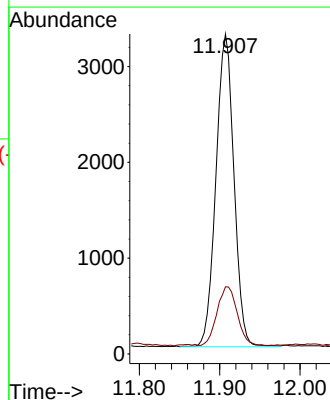
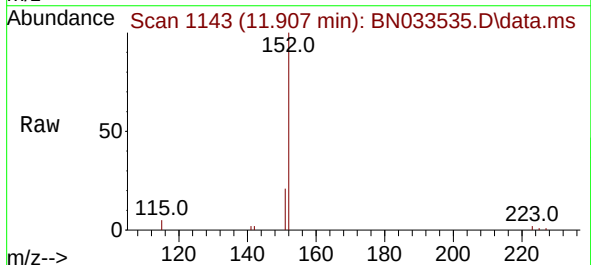
Instrument :
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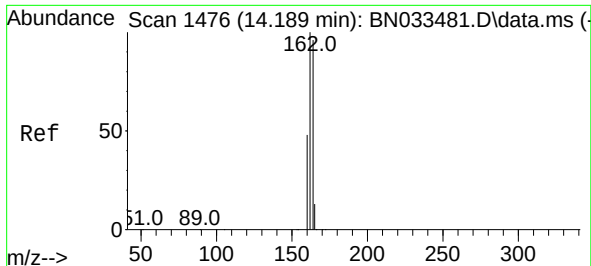
Tgt Ion: 82 Resp: 3164
 Ion Ratio Lower Upper
 82 100
 128 42.7 36.0 54.0
 54 56.9 42.0 63.0



#11
 2-Methylnaphthalene-d10
 Concen: 0.130 ng
 RT: 11.907 min Scan# 1143
 Delta R.T. -0.007 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

Tgt Ion: 152 Resp: 5076
 Ion Ratio Lower Upper
 152 100
 151 20.9 16.6 25.0

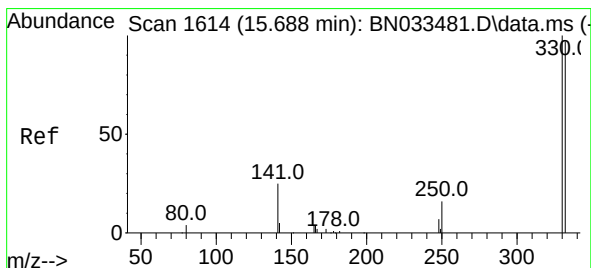
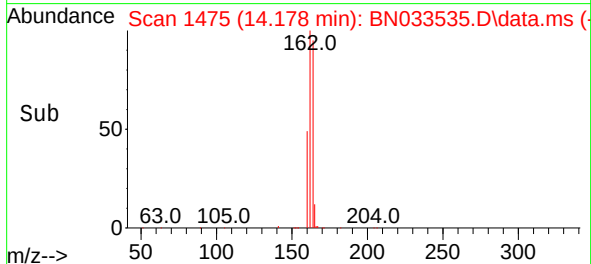
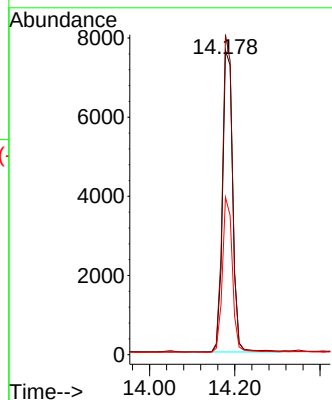
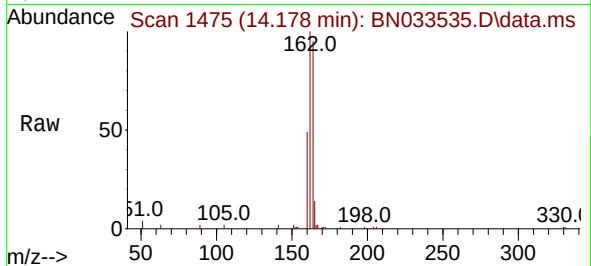




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

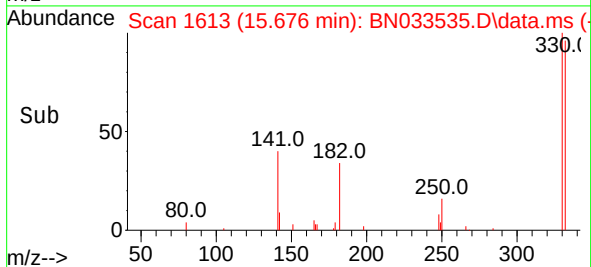
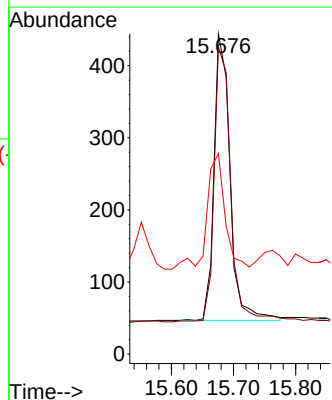
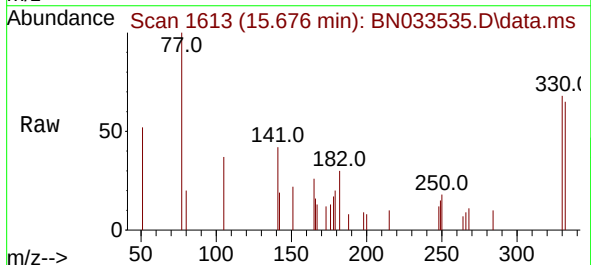
Instrument :
BNA_N
ClientSampleId :

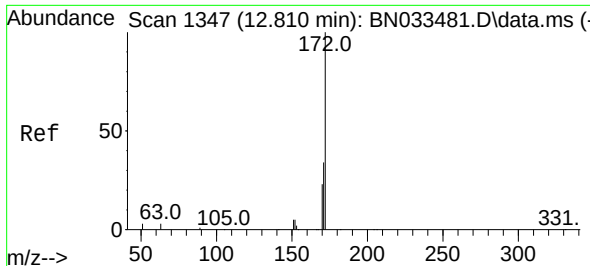
Tgt Ion:164 Resp: 12637
Ion Ratio Lower Upper
164 100
162 105.2 83.5 125.3
160 51.8 40.2 60.4



#14
2,4,6-Tribromophenol
Concen: 0.104 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

Tgt Ion:330 Resp: 708
Ion Ratio Lower Upper
330 100
332 99.3 77.5 116.3
141 45.6 33.9 50.9





#15

2-Fluorobiphenyl

Concen: 0.137 ng

RT: 12.799 min Scan# 1480

Delta R.T. -0.011 min

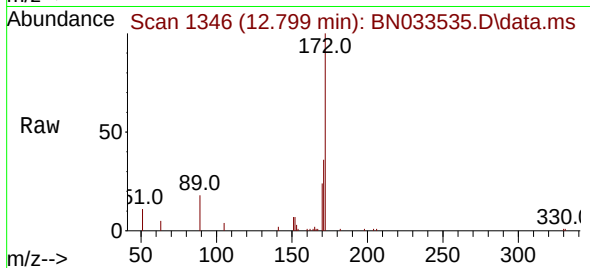
Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :



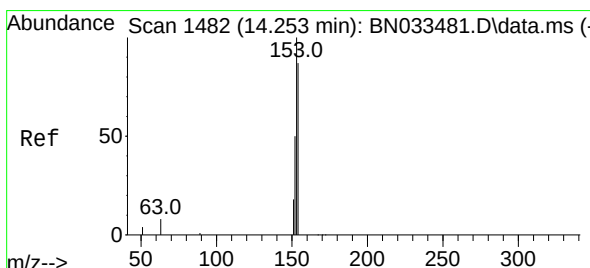
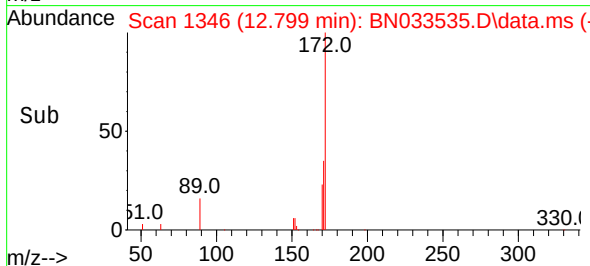
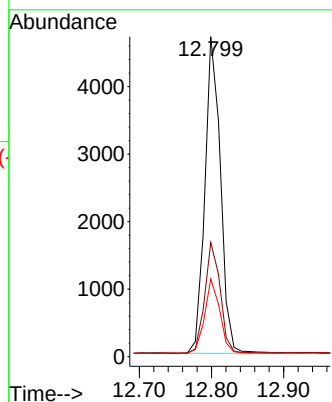
Tgt Ion:172 Resp: 7083

Ion Ratio Lower Upper

172 100

171 35.7 27.7 41.5

170 24.3 18.3 27.5



#17

Acenaphthene

Concen: 0.021 ng

RT: 14.242 min Scan# 1481

Delta R.T. -0.011 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

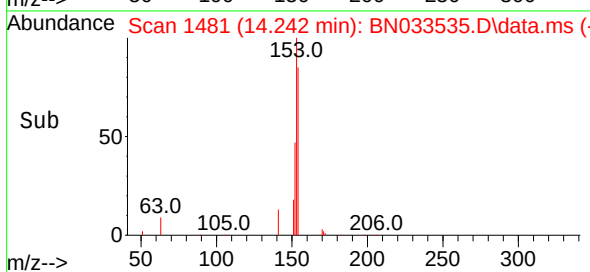
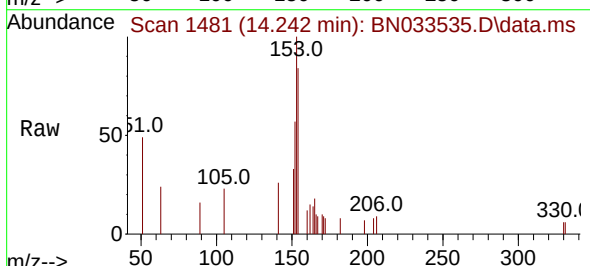
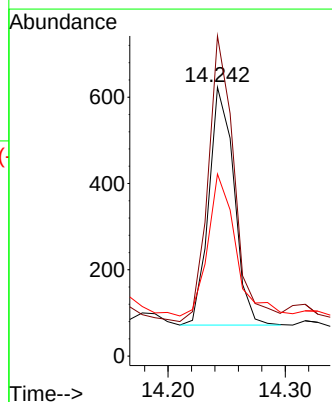
Tgt Ion:154 Resp: 824

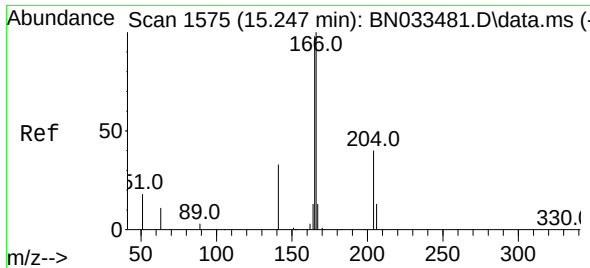
Ion Ratio Lower Upper

154 100

153 124.2 89.0 133.6

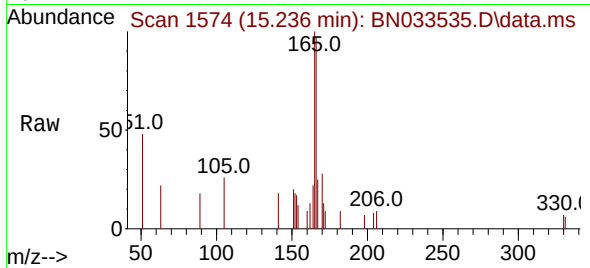
152 65.7 45.2 67.8



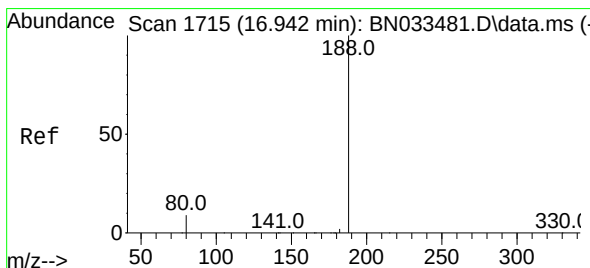
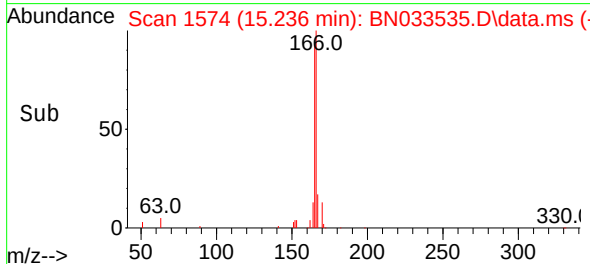
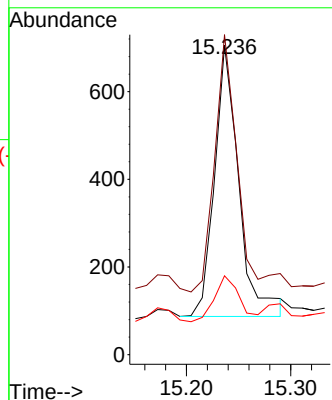


#18
Fluorene
Concen: 0.020 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

Instrument :
BNA_N
ClientSampleId :

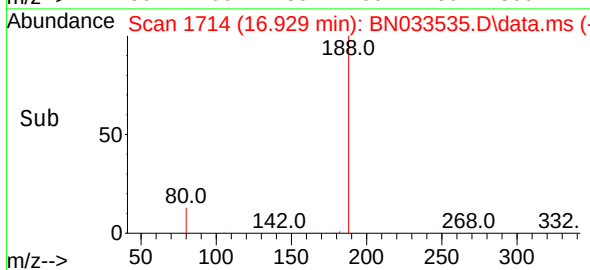
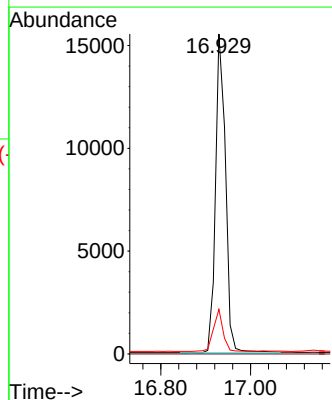
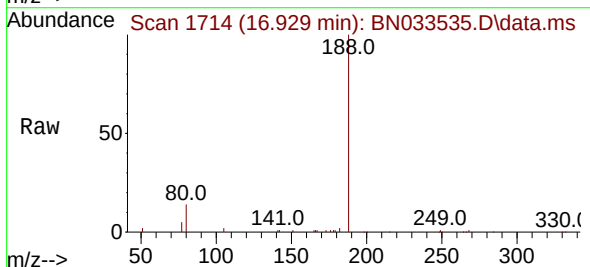


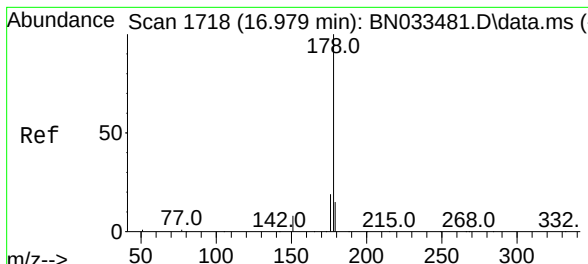
Tgt Ion:166 Resp: 1003
Ion Ratio Lower Upper
166 100
165 87.2 78.2 117.4
167 17.6 10.6 16.0#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

Tgt Ion:188 Resp: 23917
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.0 7.8 11.8#

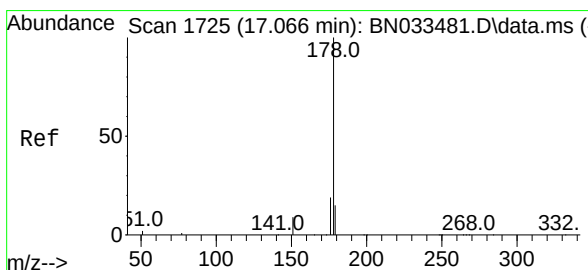
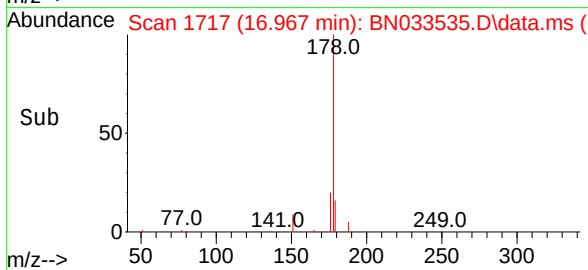
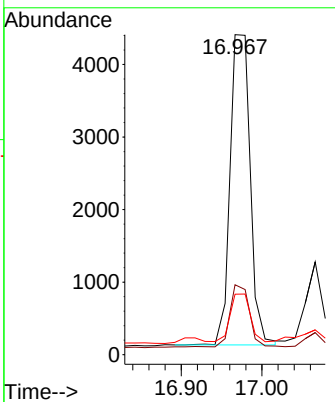
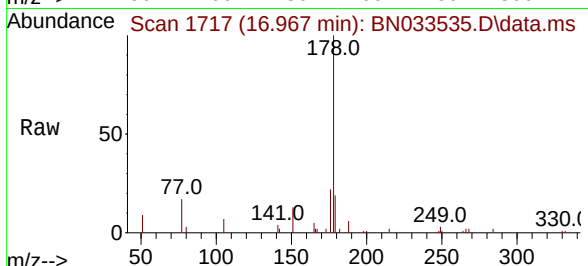




#25
 Phenanthrene
 Concen: 0.111 ng
 RT: 16.967 min Scan# 1717
 Delta R.T. -0.012 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

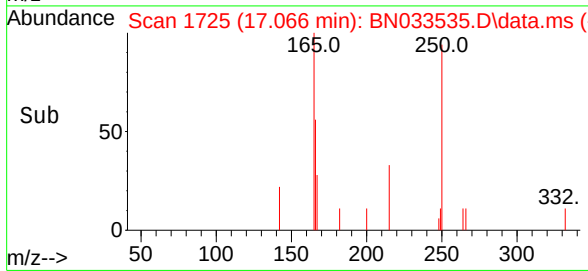
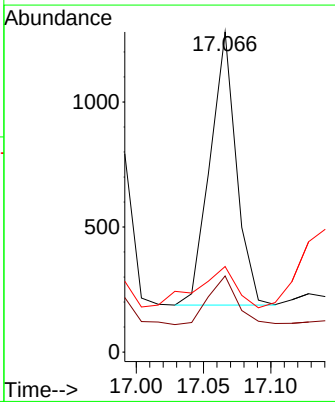
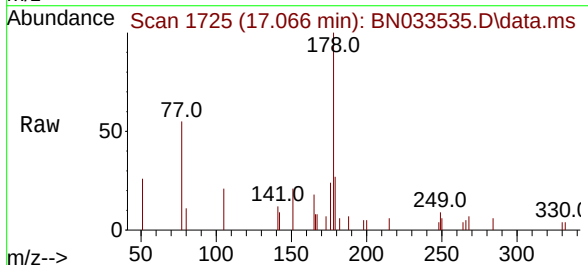
Instrument :
 BNA_N
 ClientSampleId :

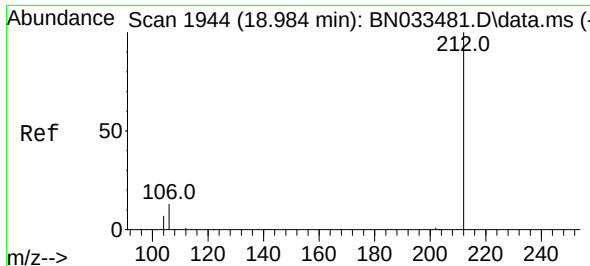
Tgt Ion:	178	Resp:	7399
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.3	22.9
179	15.2	12.3	18.5



#26
 Anthracene
 Concen: 0.025 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. 0.000 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

Tgt Ion:	178	Resp:	1484
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.0	22.6
179	22.4	12.4	18.6#

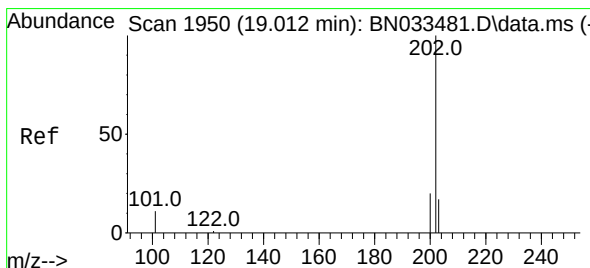
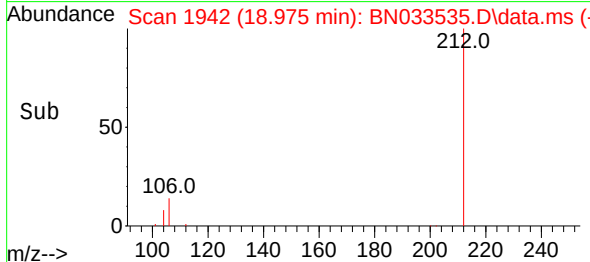
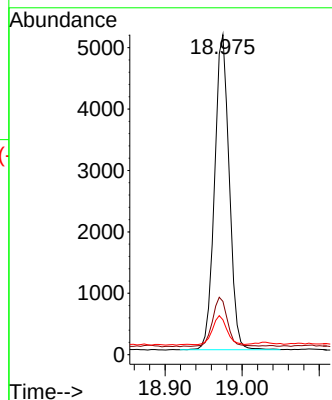
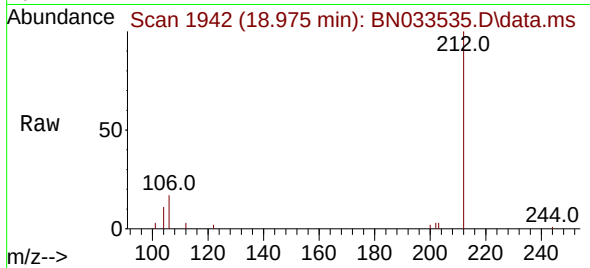




#27
Fluoranthene-d10
Concen: 0.118 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

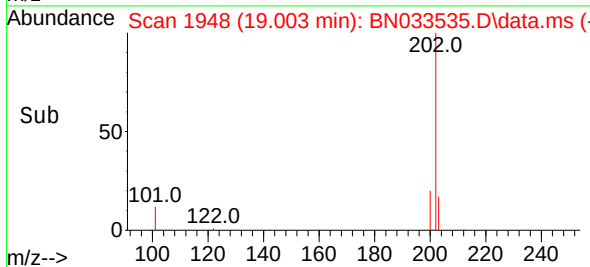
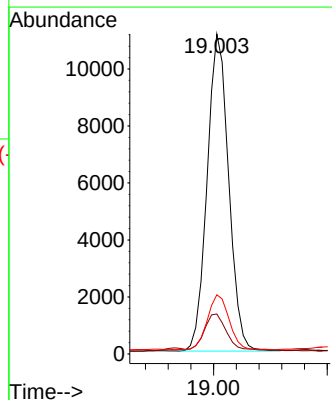
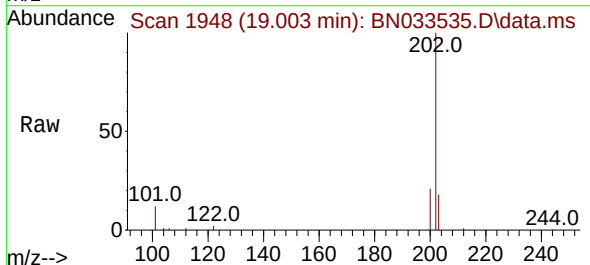
Instrument :
BNA_N
ClientSampleId :

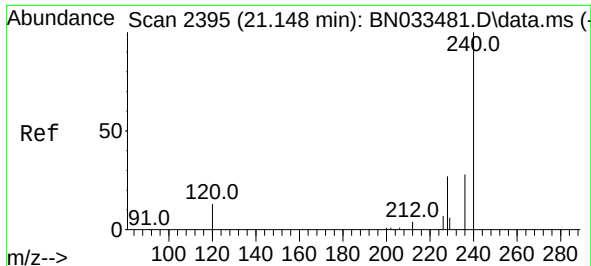
Tgt Ion:212 Resp: 6767
Ion Ratio Lower Upper
212 100
106 16.1 12.3 18.5
104 8.9 7.0 10.4



#28
Fluoranthene
Concen: 0.199 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033535.D
Acq: 21 Aug 2024 10:04

Tgt Ion:202 Resp: 14645
Ion Ratio Lower Upper
202 100
101 12.4 9.5 14.3
203 17.4 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 24

Delta R.T. -0.009 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :

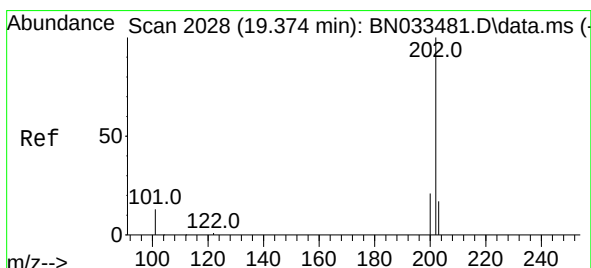
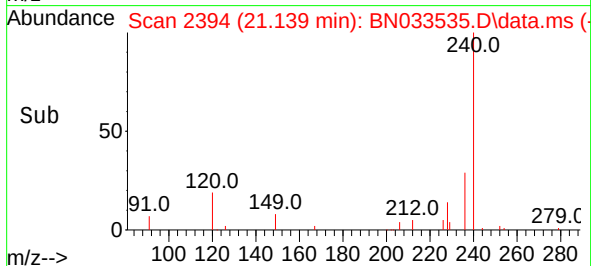
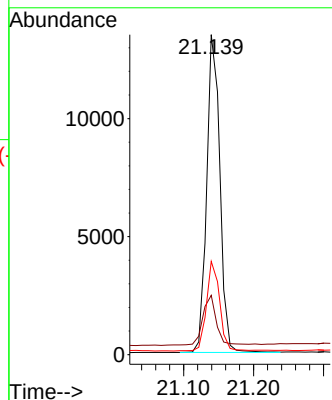
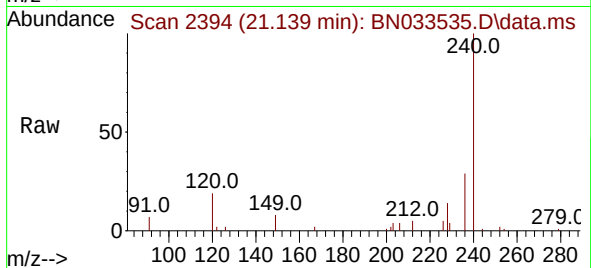
Tgt Ion:240 Resp: 17698

Ion Ratio Lower Upper

240 100

120 18.6 12.4 18.6

236 29.2 23.0 34.6



#30

Pyrene

Concen: 0.175 ng

RT: 19.370 min Scan# 2027

Delta R.T. -0.005 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

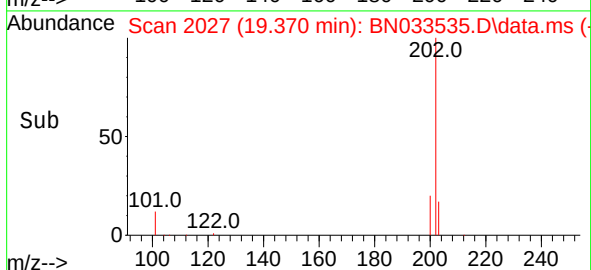
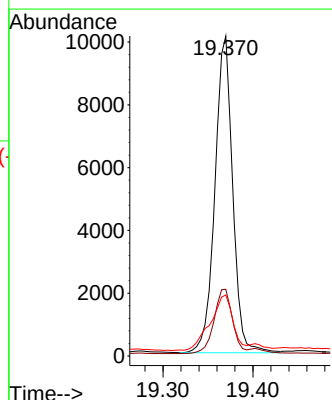
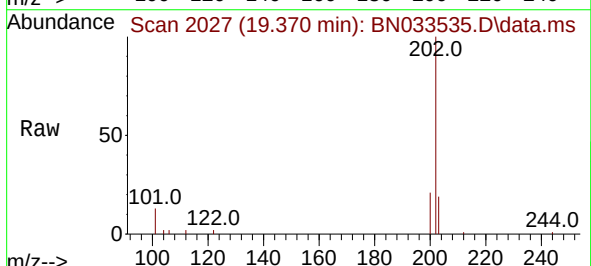
Tgt Ion:202 Resp: 13847

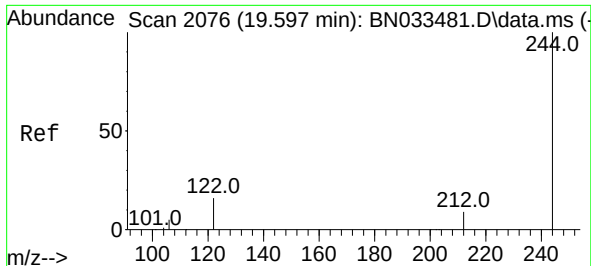
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

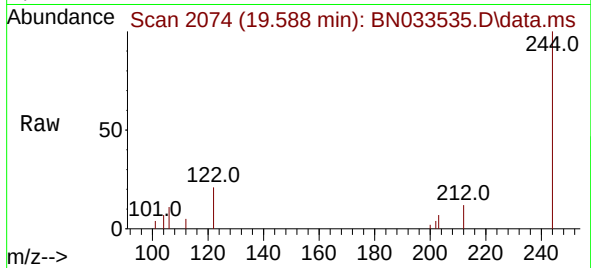
203 22.4 14.2 21.4#



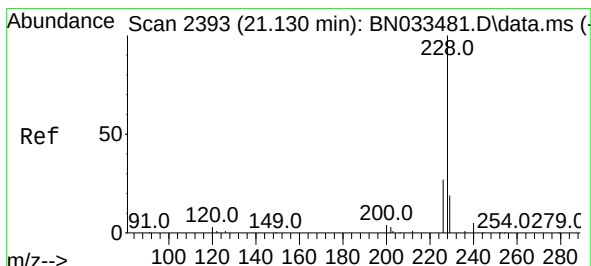
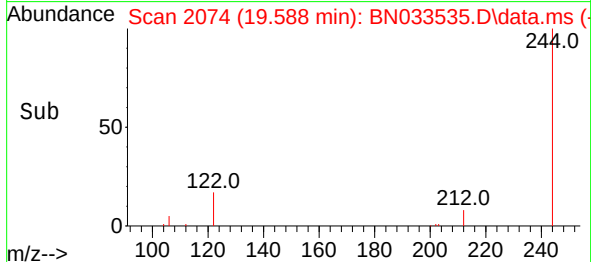
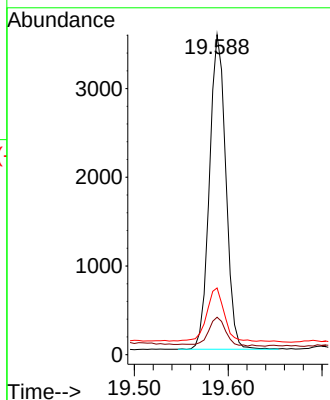


#31
 Terphenyl-d14
 Concen: 0.107 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

Instrument :
 BNA_N
 ClientSampleId :

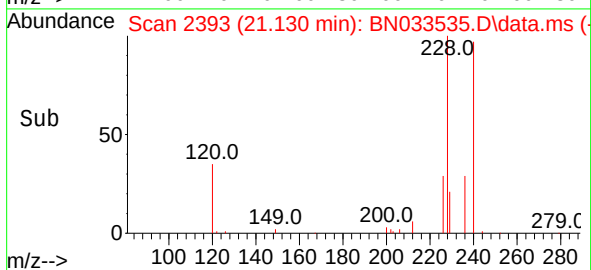
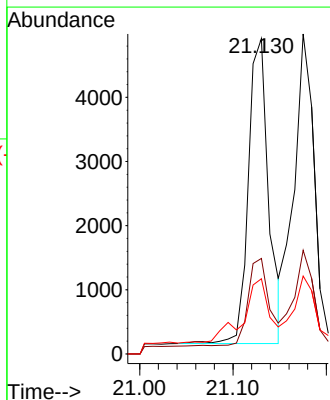
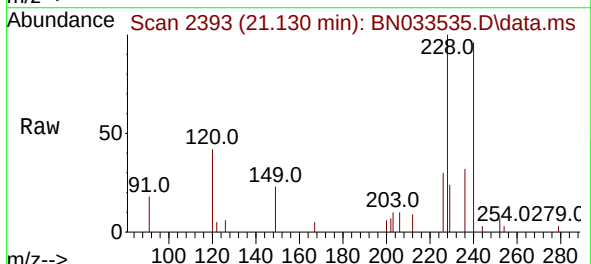


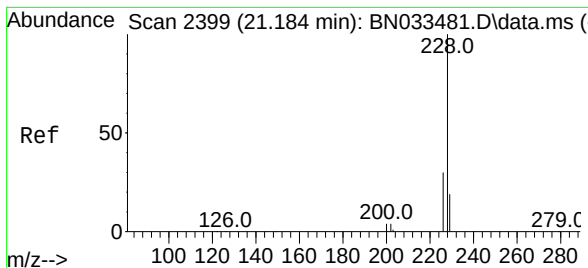
Tgt Ion:244 Resp: 4293
 Ion Ratio Lower Upper
 244 100
 212 11.7 7.8 11.6#
 122 20.9 13.3 19.9#



#32
 Benzo(a)anthracene
 Concen: 0.112 ng
 RT: 21.130 min Scan# 2393
 Delta R.T. 0.000 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

Tgt Ion:228 Resp: 7196
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.8 32.6
 229 23.8 15.8 23.6#





#33

Chrysene

Concen: 0.113 ng

RT: 21.175 min Scan# 24

Delta R.T. -0.009 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :

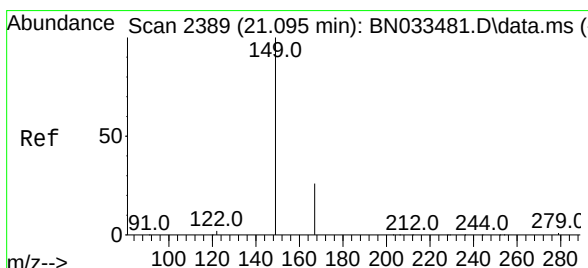
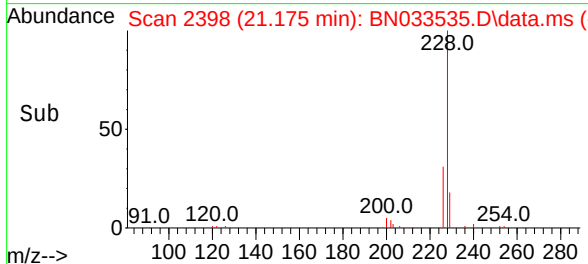
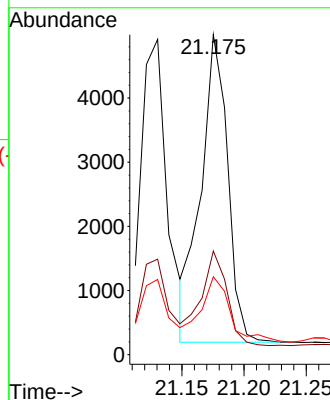
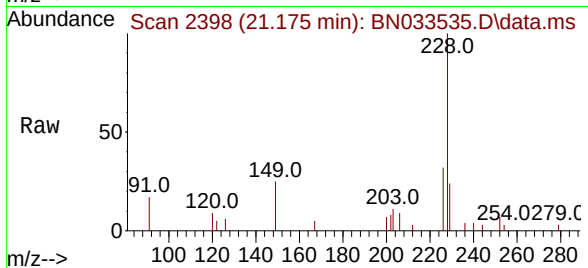
Tgt Ion:228 Resp: 7172

Ion Ratio Lower Upper

228 100

226 32.4 23.8 35.8

229 24.4 15.6 23.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.211 ng

RT: 21.086 min Scan# 2388

Delta R.T. -0.009 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

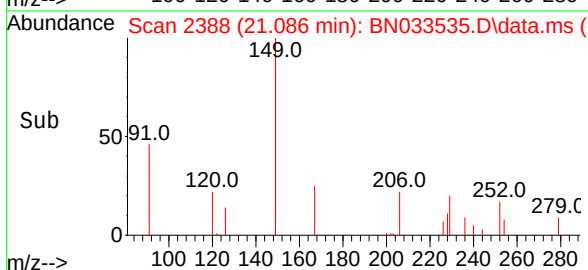
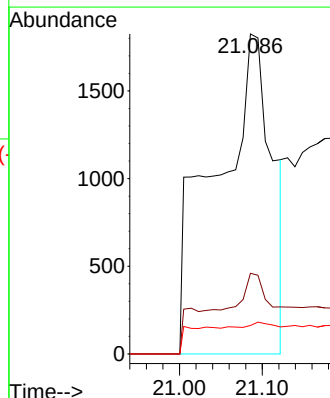
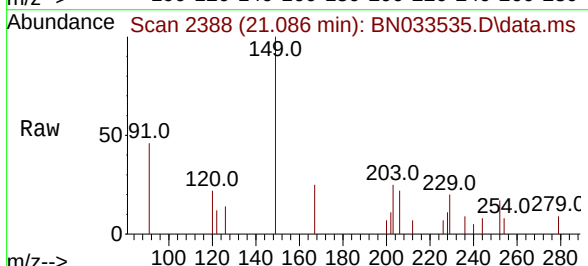
Tgt Ion:149 Resp: 8535

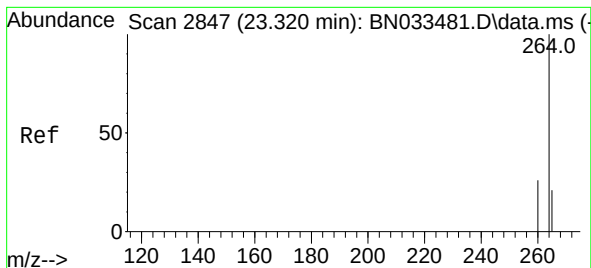
Ion Ratio Lower Upper

149 100

167 8.0 21.5 32.3#

279 0.0 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.312 min Scan# 21

Delta R.T. -0.009 min

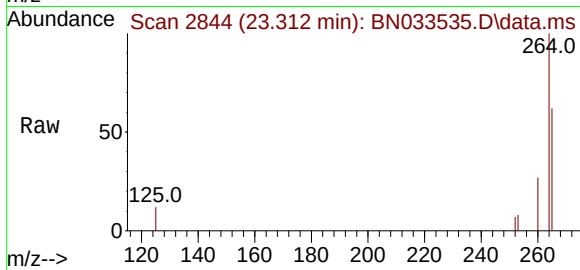
Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :



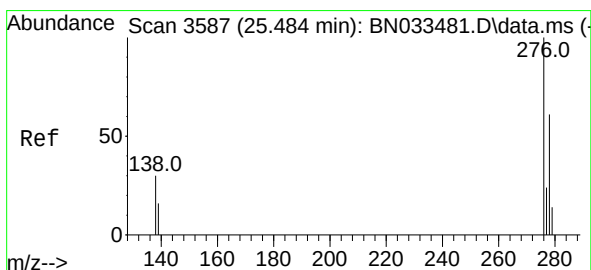
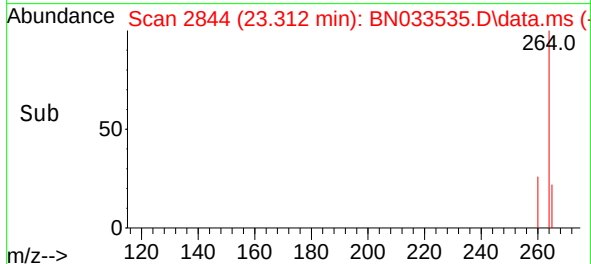
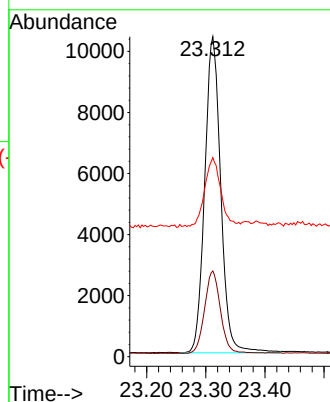
Tgt Ion:264 Resp: 19491

Ion Ratio Lower Upper

264 100

260 26.8 20.8 31.2

265 62.2 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.062 ng

RT: 25.461 min Scan# 3579

Delta R.T. -0.023 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

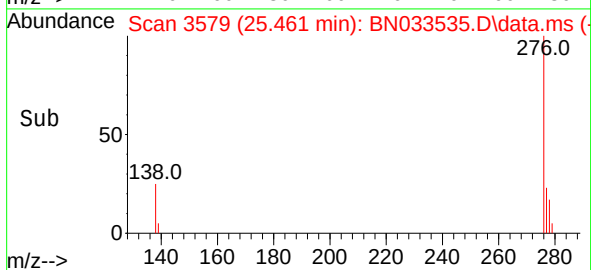
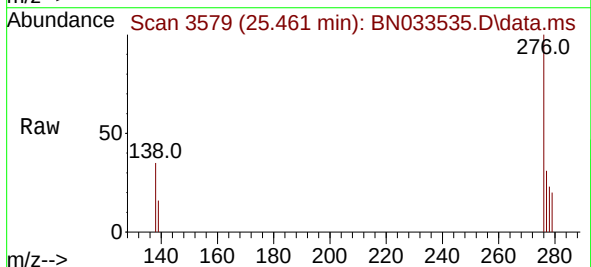
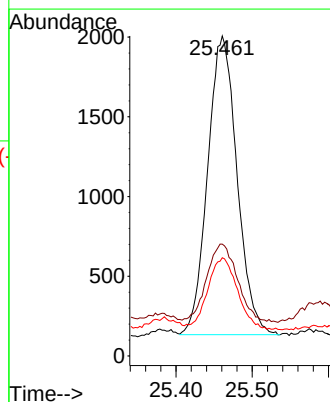
Tgt Ion:276 Resp: 5016

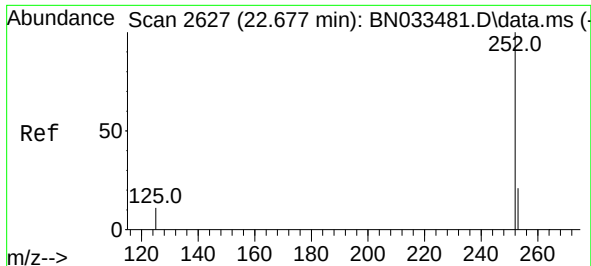
Ion Ratio Lower Upper

276 100

138 26.6 24.4 36.6

277 24.2 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.144 ng

RT: 22.666 min Scan# 2623

Delta R.T. -0.012 min

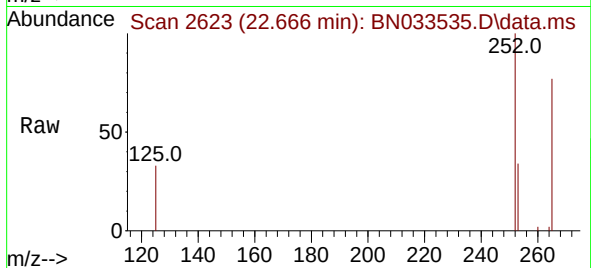
Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

Instrument :

BNA_N

ClientSampleId :



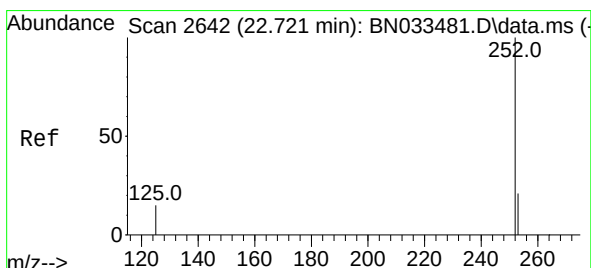
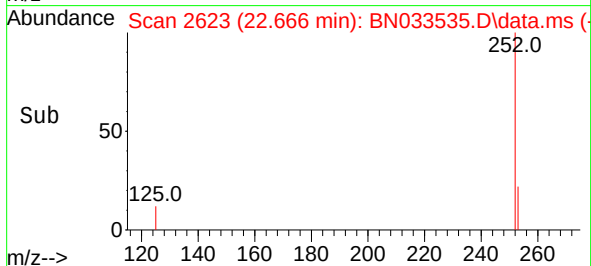
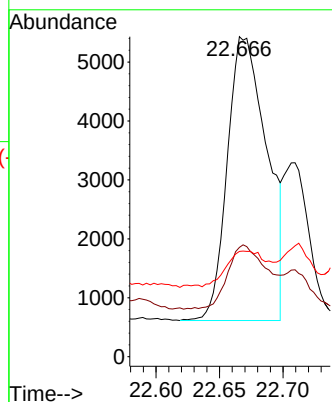
Tgt Ion:252 Resp: 10447

Ion Ratio Lower Upper

252 100

253 34.1 19.8 29.8#

125 32.9 13.9 20.9#



#38

Benzo(k)fluoranthene

Concen: 0.146 ng

RT: 22.666 min Scan# 2623

Delta R.T. -0.055 min

Lab File: BN033535.D

Acq: 21 Aug 2024 10:04

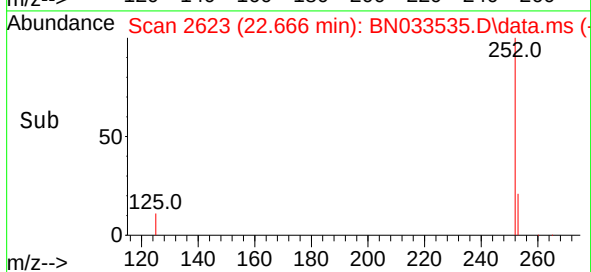
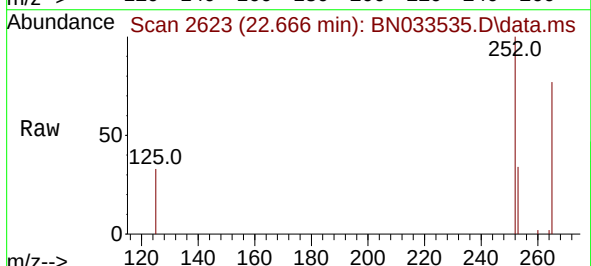
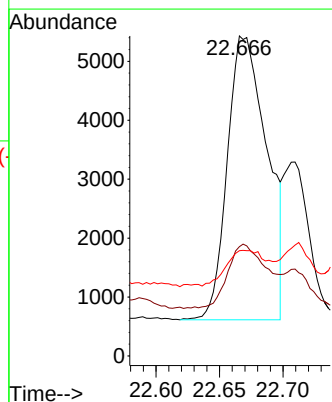
Tgt Ion:252 Resp: 10447

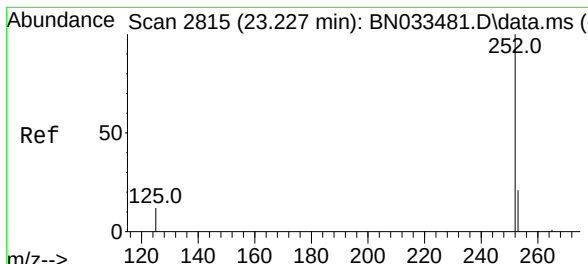
Ion Ratio Lower Upper

252 100

253 34.1 19.8 29.8#

125 32.9 15.8 23.8#



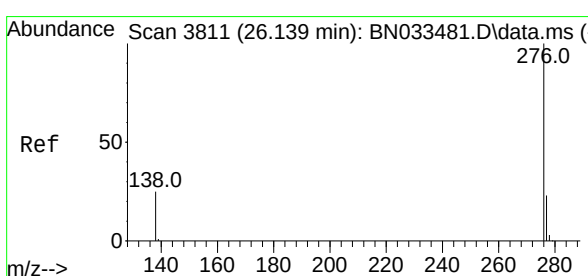
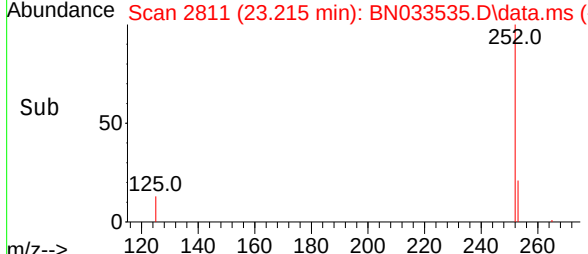
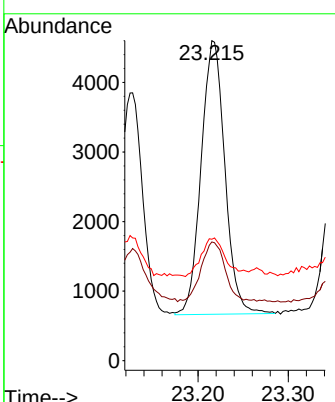
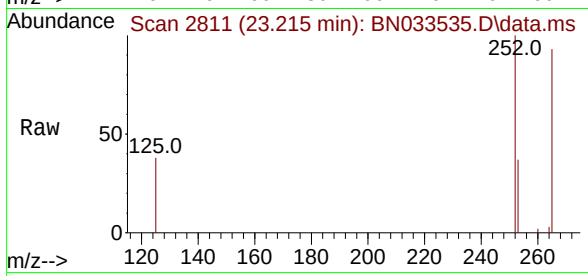


#39
 Benzo(a)pyrene
 Concen: 0.119 ng
 RT: 23.215 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:252 Resp: 7190

Ion	Ratio	Lower	Upper
252	100		
253	37.1	21.5	32.3#
125	38.0	17.0	25.4#



#41
 Benzo(g,h,i)perylene
 Concen: 0.080 ng
 RT: 26.110 min Scan# 3801
 Delta R.T. -0.029 min
 Lab File: BN033535.D
 Acq: 21 Aug 2024 10:04

Tgt Ion:276 Resp: 5535

Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.7	29.5#
138	35.9	21.8	32.6#

