

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033538.D
 Acq On : 21 Aug 2024 11:53
 Operator : MA/JU
 Sample : P3643-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 21 12:57:10 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

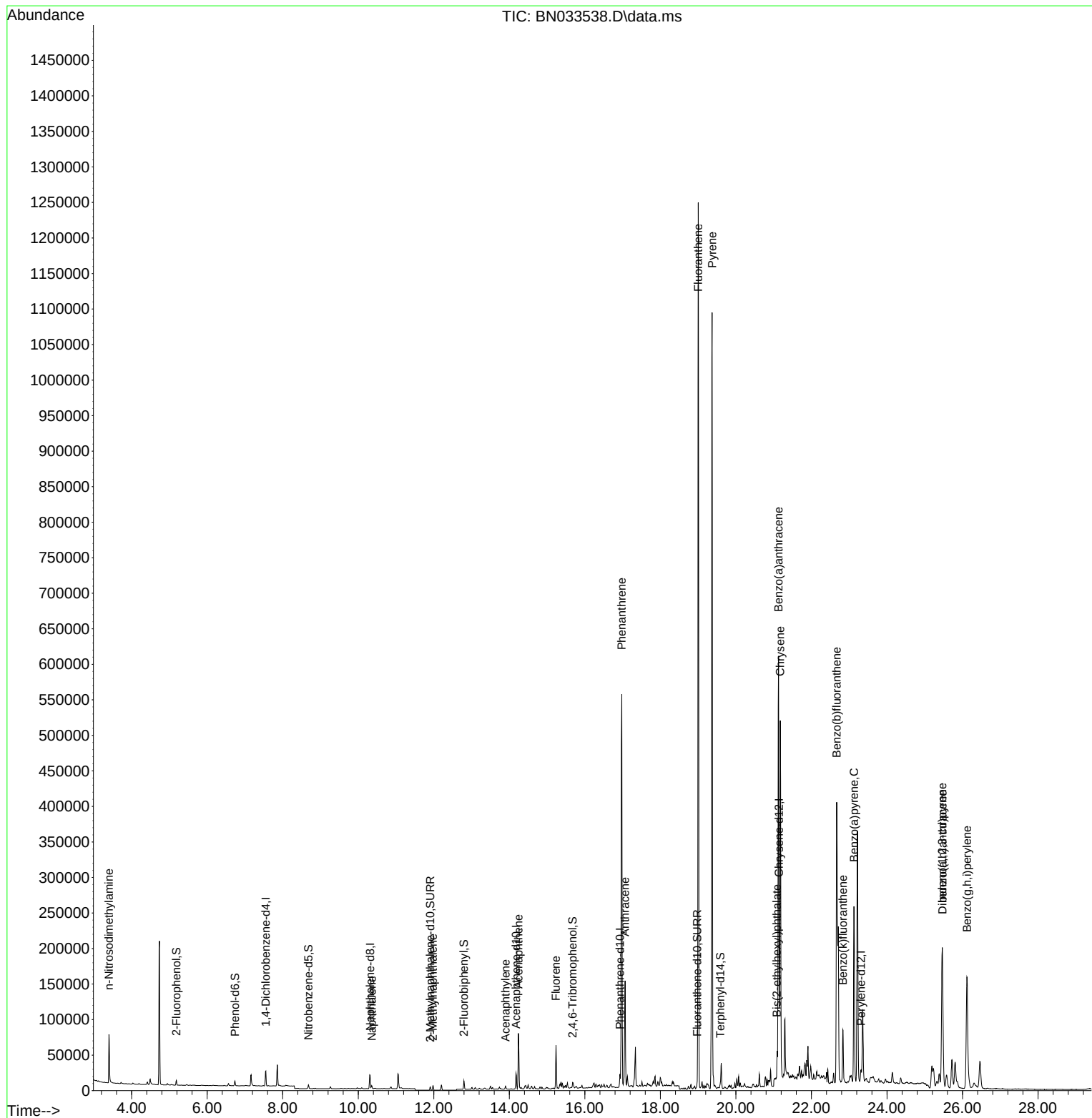
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	9975	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	26508	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	12623	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	23903	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	19394	0.400	ng	# 0.00
35) Perylene-d12	23.312	264	20944	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4928	0.155	ng	0.00
5) Phenol-d6	6.736	99	5922	0.157	ng	0.00
8) Nitrobenzene-d5	8.681	82	3942	0.179	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	6293	0.166	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	891	0.131	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	8801	0.171	ng	-0.01
27) Fluoranthene-d10	18.975	212	8556	0.149	ng	0.00
31) Terphenyl-d14	19.588	244	5947	0.135	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.399	42	9043	0.678	ng	# 1
9) Naphthalene	10.357	128	5160	0.073	ng	96
12) 2-Methylnaphthalene	11.979	142	4488	0.100	ng	98
16) Acenaphthylene	13.900	152	3720	0.067	ng	# 94
17) Acenaphthene	14.242	154	37976	0.975	ng	98
18) Fluorene	15.236	166	35979	0.733	ng	98
25) Phenanthrene	16.979	178	616448	9.270	ng	100
26) Anthracene	17.066	178	146486	2.490	ng	97
28) Fluoranthene	19.003	202	1103776	15.020	ng	100
30) Pyrene	19.370	202	956242	11.047	ng	# 93
32) Benzo(a)anthracene	21.130	228	524191	7.476	ng	99
33) Chrysene	21.175	228	466751	6.697	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	10543	0.238	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.466	276	297012	3.416	ng	95
37) Benzo(b)fluoranthene	22.668	252	621827	7.950	ng	# 93
38) Benzo(k)fluoranthene	22.832	252	77758	1.010	ng	94
39) Benzo(a)pyrene	23.127	252	307379	4.750	ng	93
40) Dibenzo(a,h)anthracene	25.472	278	68839	0.990	ng	98
41) Benzo(g,h,i)perylene	26.118	276	297289	3.998	ng	99

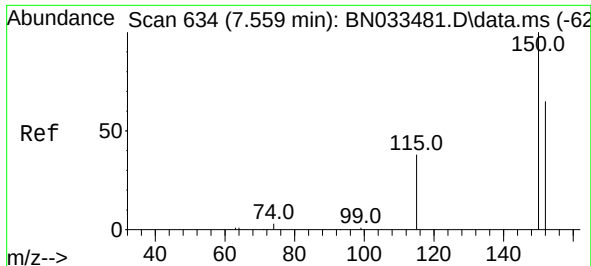
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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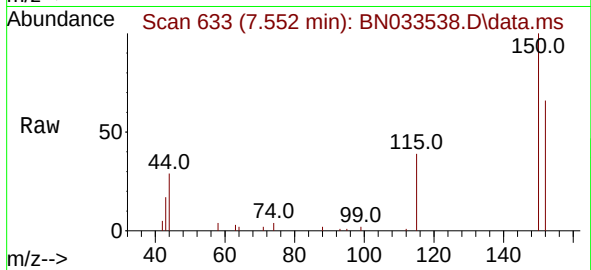
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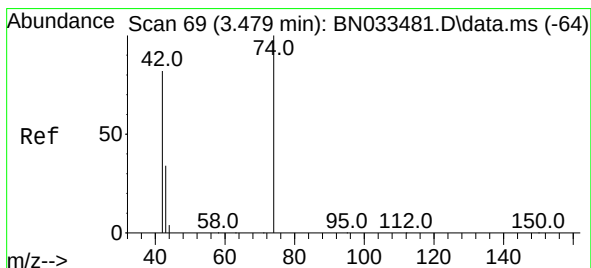
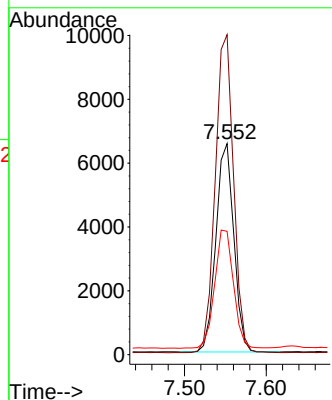
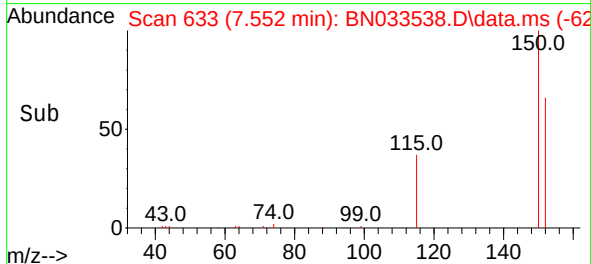


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :

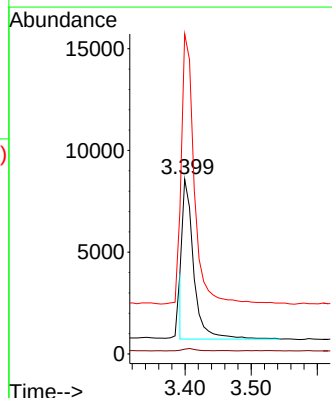
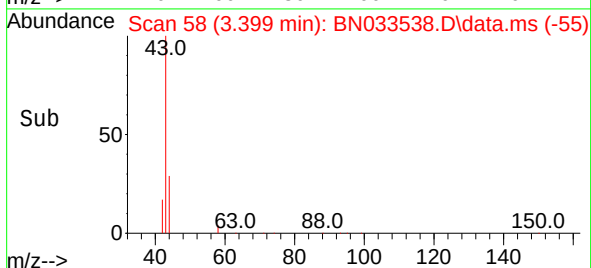
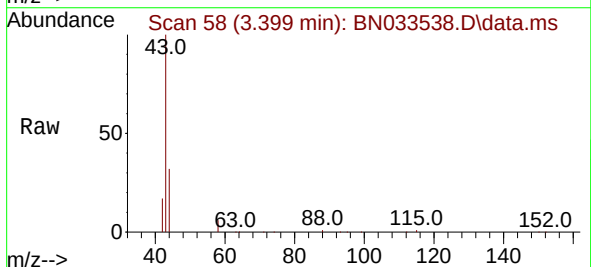


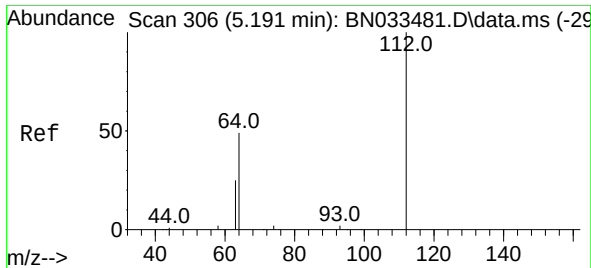
Tgt Ion:152 Resp: 9975
Ion Ratio Lower Upper
152 100
150 151.6 122.2 183.2
115 58.4 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.678 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion: 42 Resp: 9043
Ion Ratio Lower Upper
42 100
74 1.3 100.2 150.2#
44 173.6 5.3 7.9#

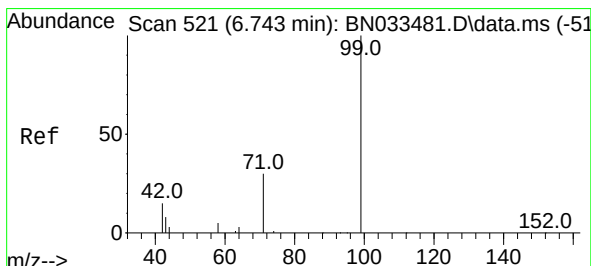
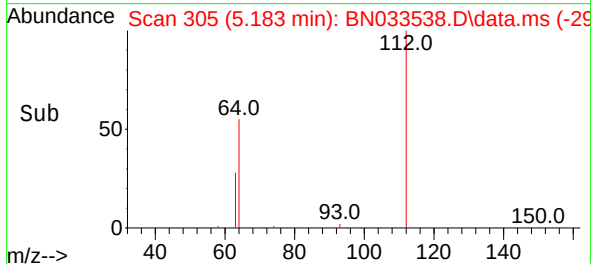
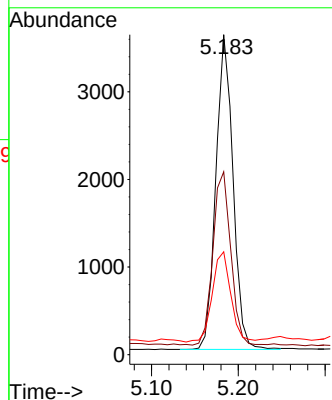
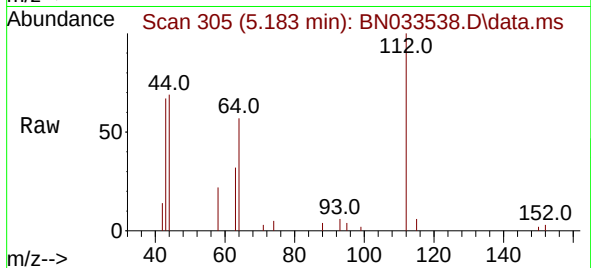




#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

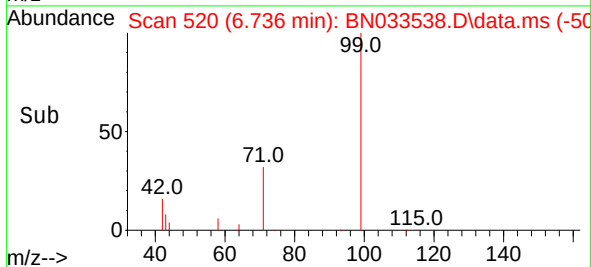
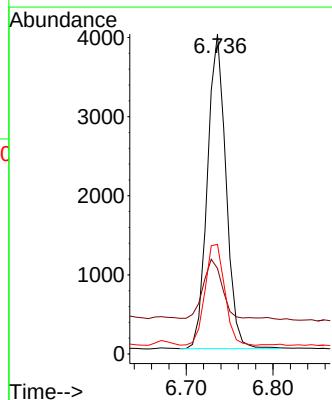
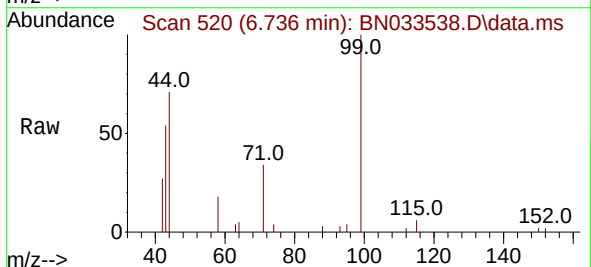
Instrument :
BNA_N
ClientSampleId :

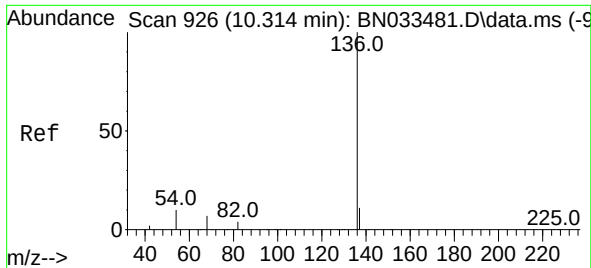
Tgt Ion:112 Resp: 4928
Ion Ratio Lower Upper
112 100
64 57.3 47.1 70.7
63 30.9 24.9 37.3



#5
Phenol-d6
Concen: 0.157 ng
RT: 6.736 min Scan# 520
Delta R.T. -0.007 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion: 99 Resp: 5922
Ion Ratio Lower Upper
99 100
42 20.4 16.6 24.8
71 34.2 26.2 39.4

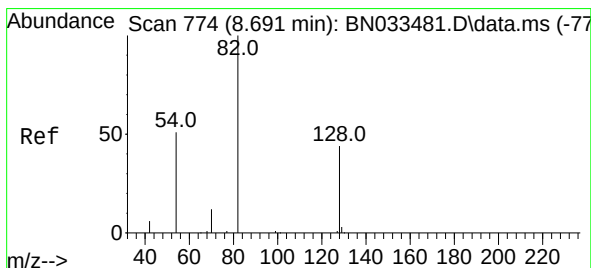
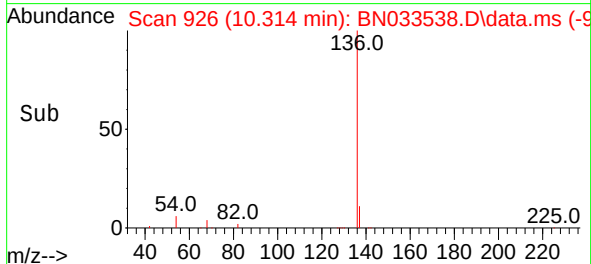
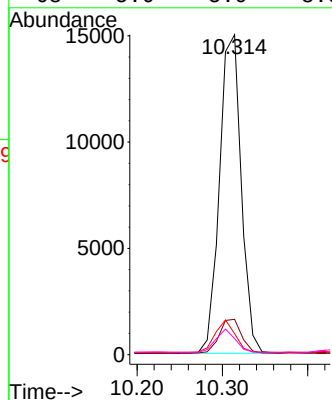
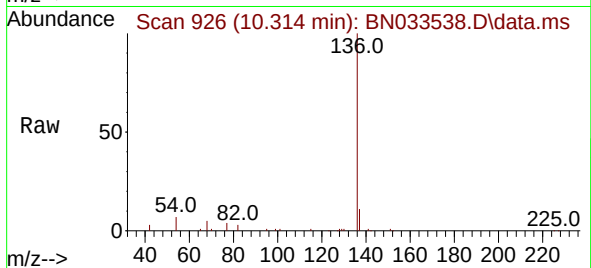




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

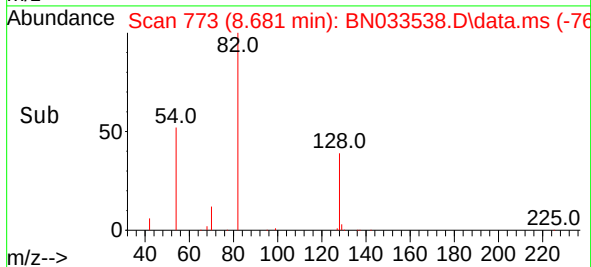
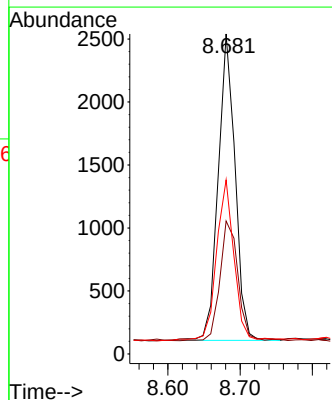
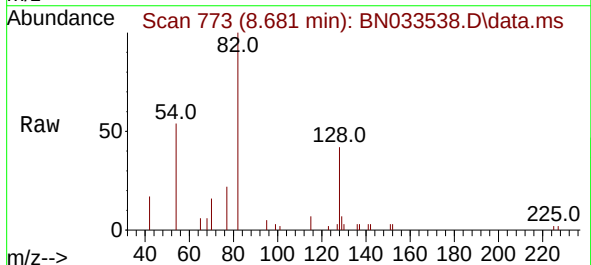
Instrument :
BNA_N
ClientSampleId :

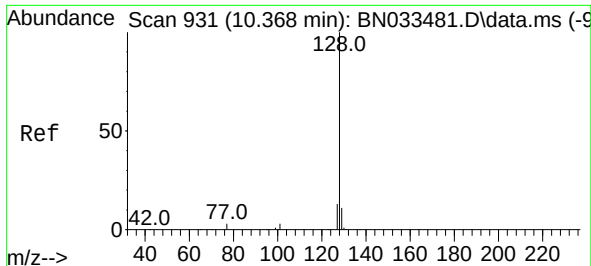
Tgt Ion:	136	Resp:	26508
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	6.6	8.3	12.5#
68	5.0	5.9	8.9#



#8
Nitrobenzene-d5
Concen: 0.179 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion:	82	Resp:	3942
Ion Ratio	Lower	Upper	
82	100		
128	41.5	36.0	54.0
54	54.4	42.0	63.0

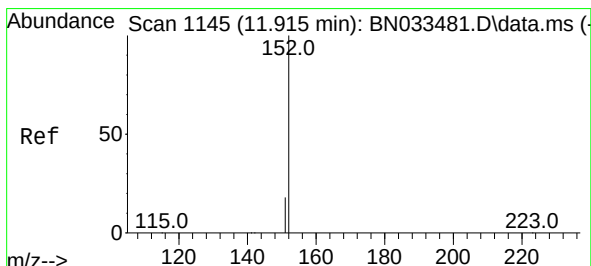
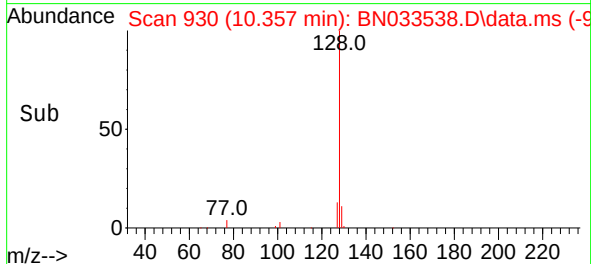
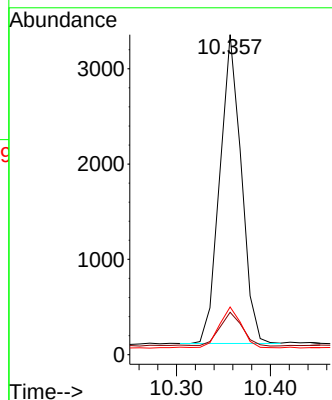
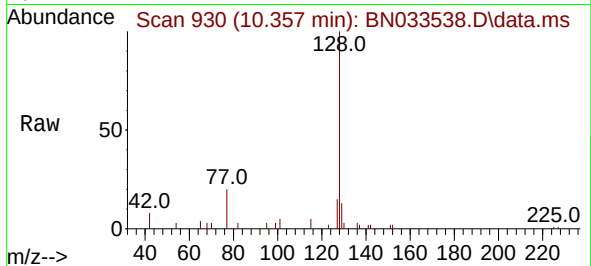




#9
Naphthalene
Concen: 0.073 ng
RT: 10.357 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

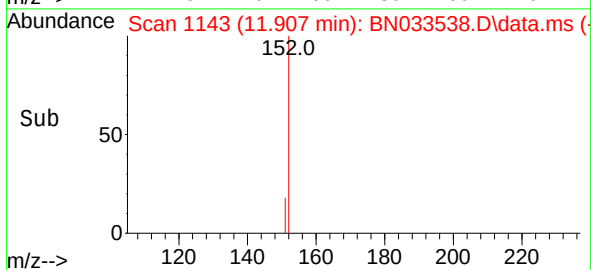
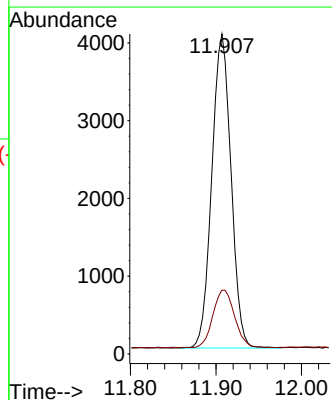
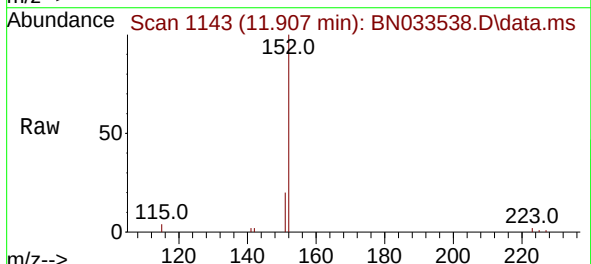
Instrument :
BNA_N
ClientSampleId :

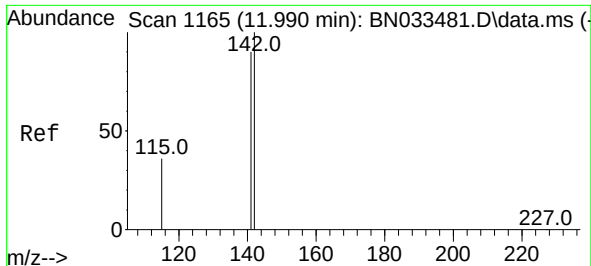
Tgt Ion:128 Resp: 5160
Ion Ratio Lower Upper
128 100
129 13.3 9.1 13.7
127 14.9 10.7 16.1



#11
2-Methylnaphthalene-d10
Concen: 0.166 ng
RT: 11.907 min Scan# 1143
Delta R.T. -0.008 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion:152 Resp: 6293
Ion Ratio Lower Upper
152 100
151 20.7 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.100 ng

RT: 11.979 min Scan# 1162

Delta R.T. -0.011 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :

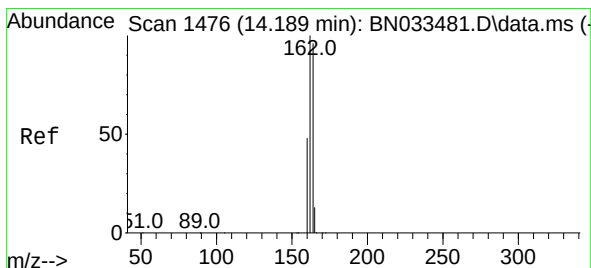
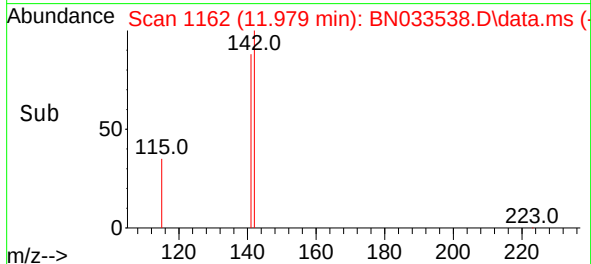
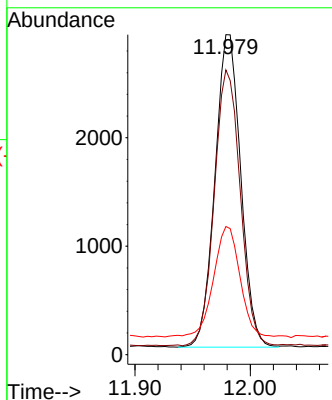
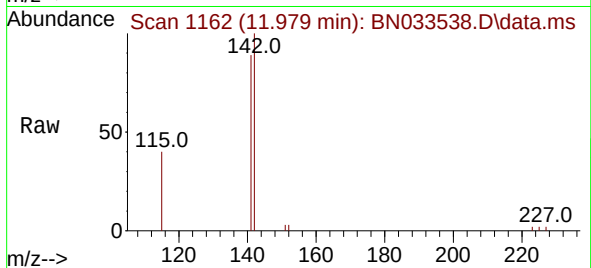
Tgt Ion:142 Resp: 4488

Ion Ratio Lower Upper

142 100

141 89.0 71.7 107.5

115 40.1 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: BN033538.D

Acq: 21 Aug 2024 11:53

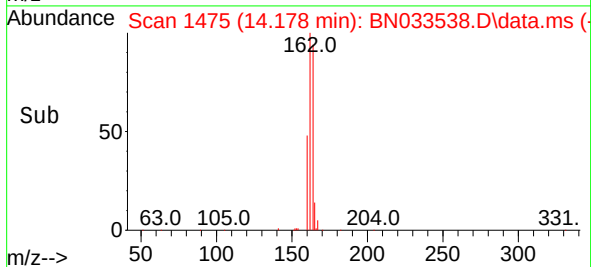
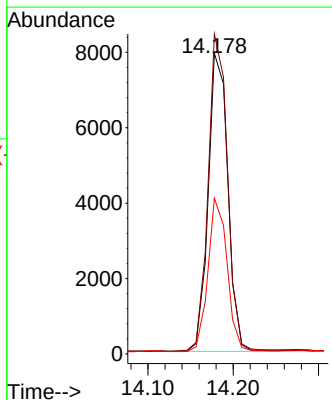
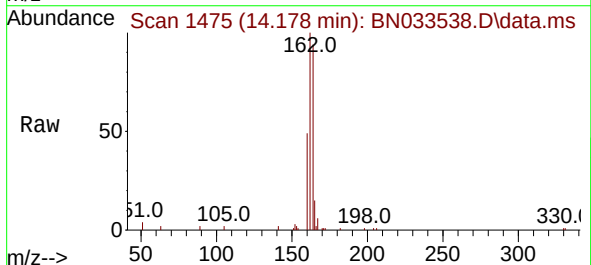
Tgt Ion:164 Resp: 12623

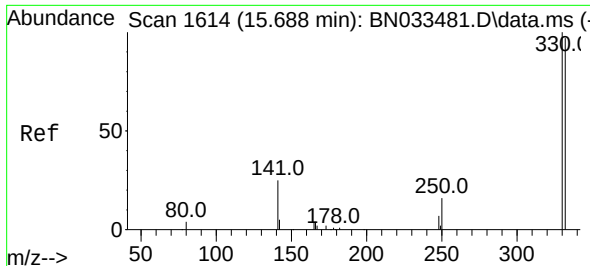
Ion Ratio Lower Upper

164 100

162 106.4 83.5 125.3

160 51.8 40.2 60.4

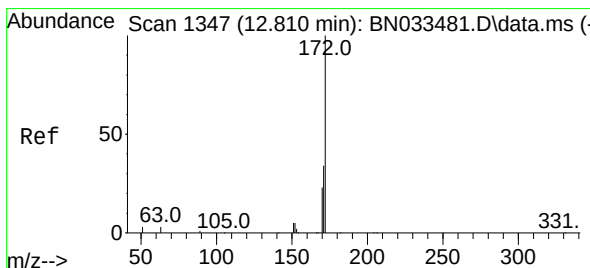
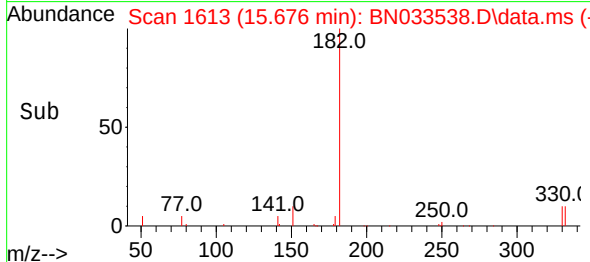
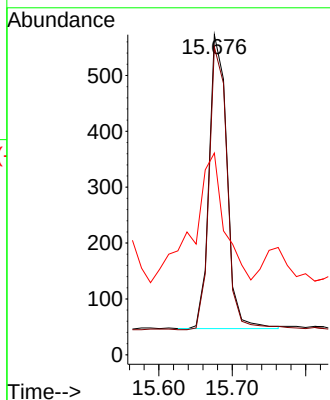
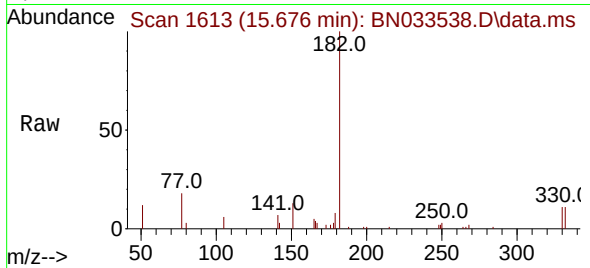




#14
2,4,6-Tribromophenol
Concen: 0.131 ng
RT: 15.676 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

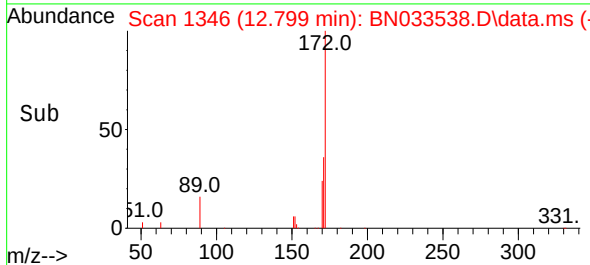
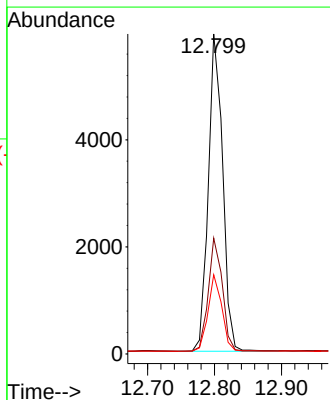
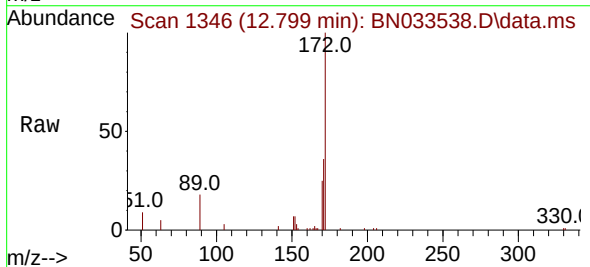
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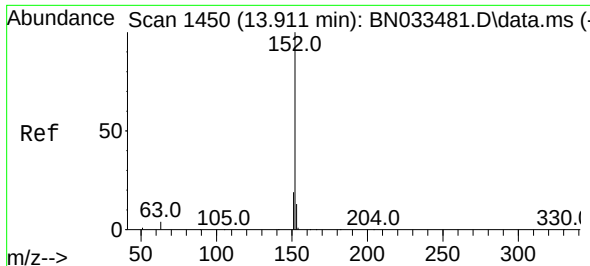
Tgt Ion:330 Resp: 891
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 71.2 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.171 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

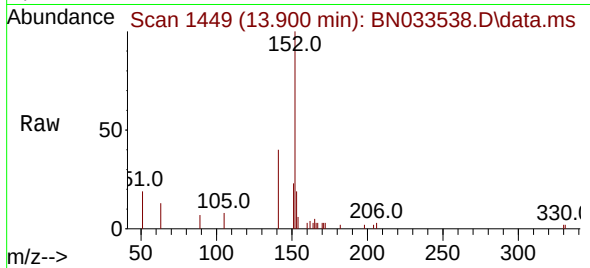
Tgt Ion:172 Resp: 8801
Ion Ratio Lower Upper
172 100
171 36.2 27.7 41.5
170 24.8 18.3 27.5



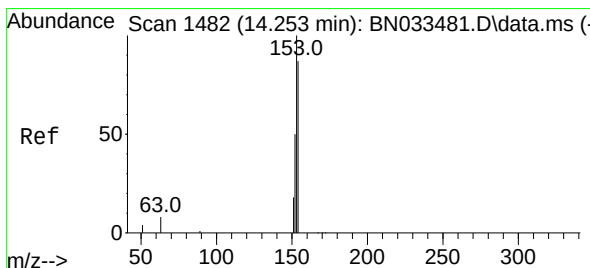
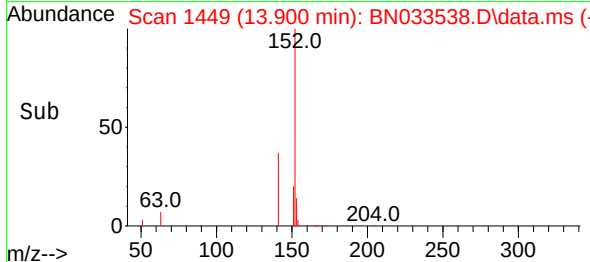
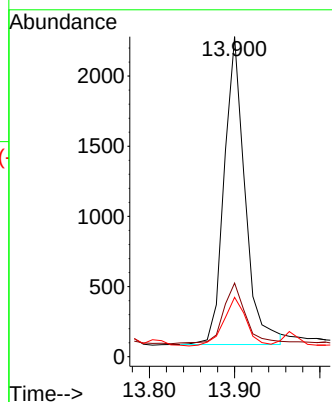


#16
Acenaphthylene
Concen: 0.067 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :

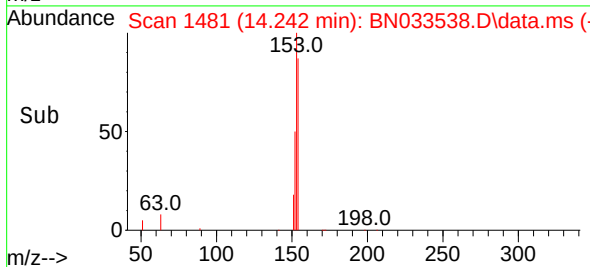
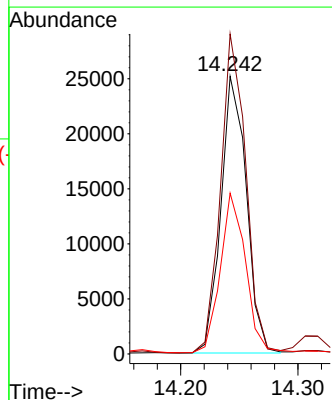
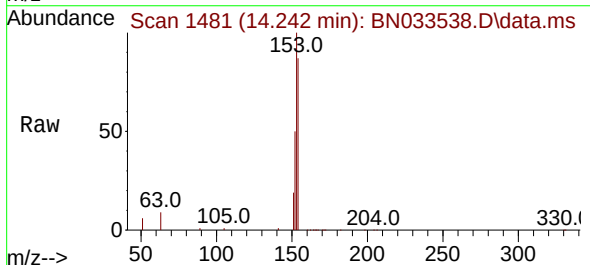


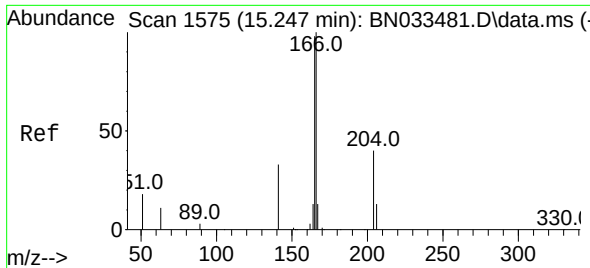
Tgt Ion:152 Resp: 3720
Ion Ratio Lower Upper
152 100
151 20.8 15.7 23.5
153 17.1 10.3 15.5#



#17
Acenaphthene
Concen: 0.975 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

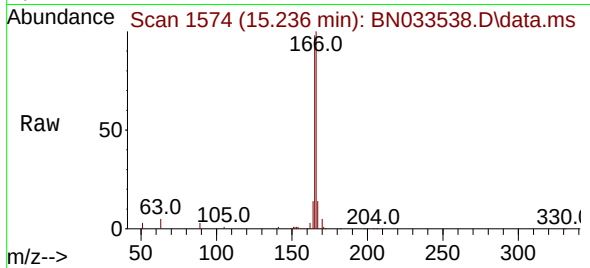
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Ion Ratio Lower Upper
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153 114.0 89.0 133.6
152 57.1 45.2 67.8



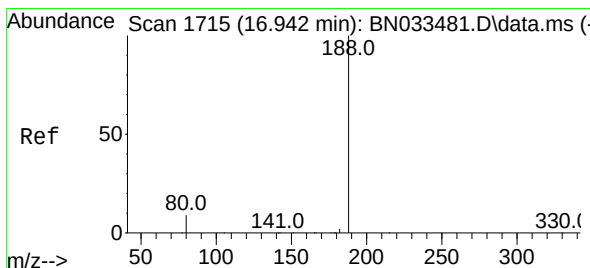
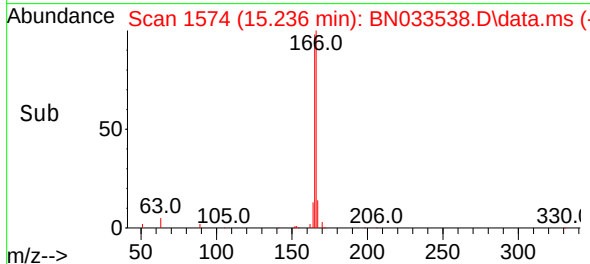
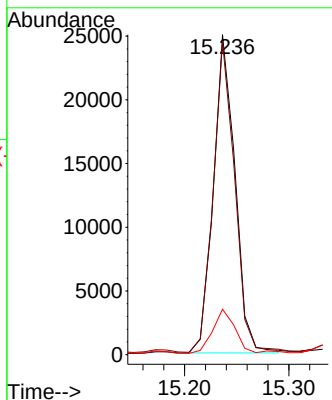


#18
Fluorene
Concen: 0.733 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :

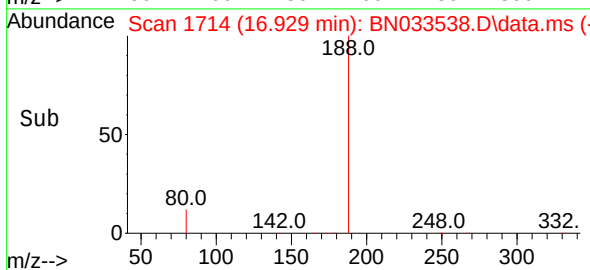
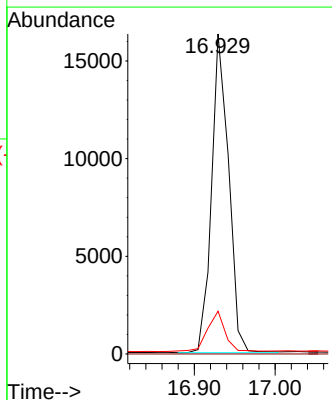
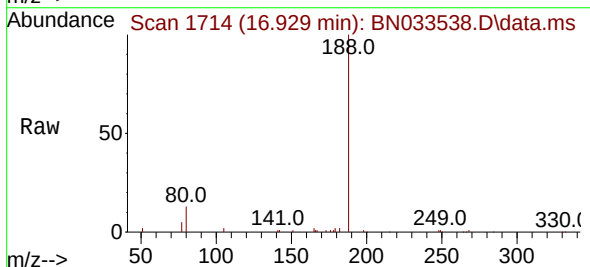


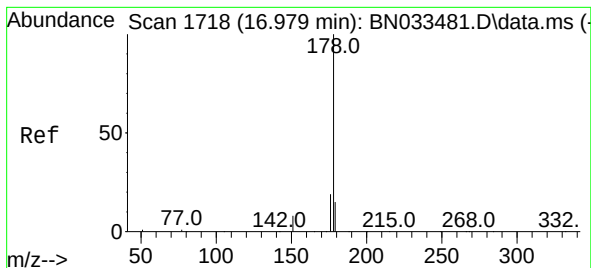
Tgt Ion:166 Resp: 35979
Ion Ratio Lower Upper
166 100
165 96.2 78.2 117.4
167 14.8 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion:188 Resp: 23903
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.3 7.8 11.8#





#25

Phenanthrene

Concen: 9.270 ng

RT: 16.979 min Scan# 1718

Delta R.T. -0.000 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :

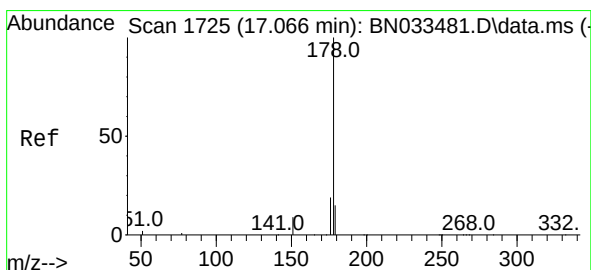
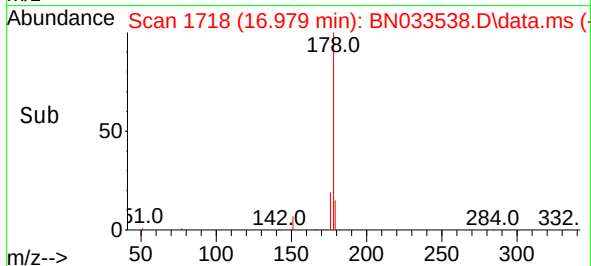
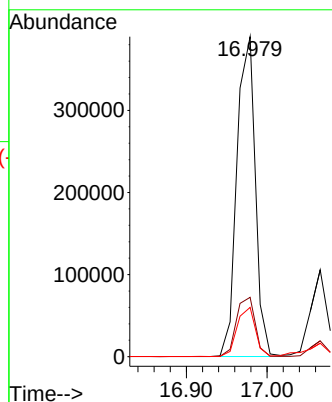
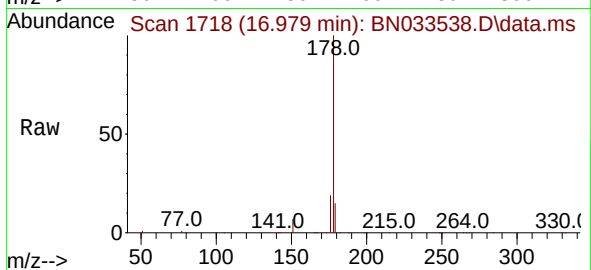
Tgt Ion:178 Resp: 616448

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.3 12.3 18.5



#26

Anthracene

Concen: 2.490 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.000 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

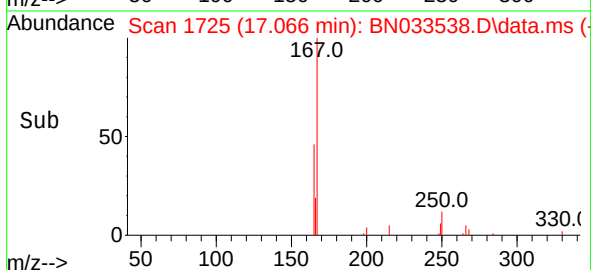
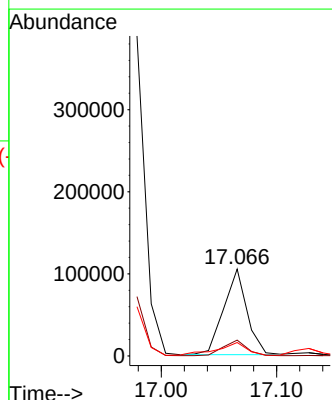
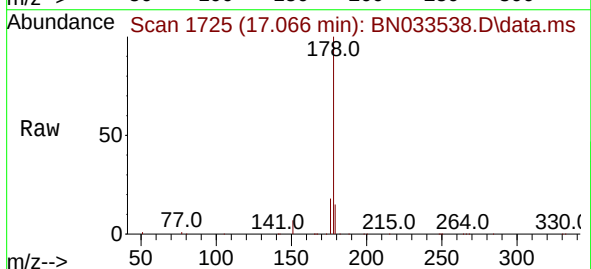
Tgt Ion:178 Resp: 146486

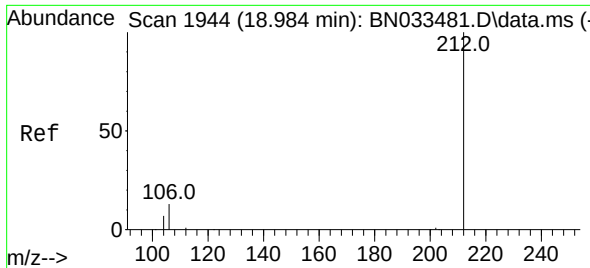
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.6

179 18.3 12.4 18.6

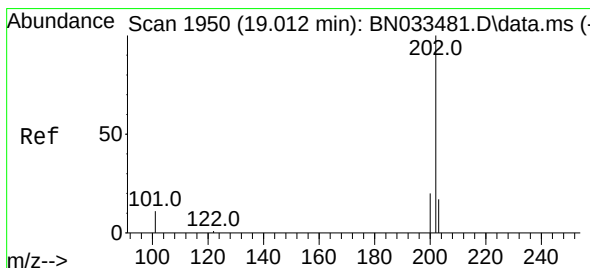
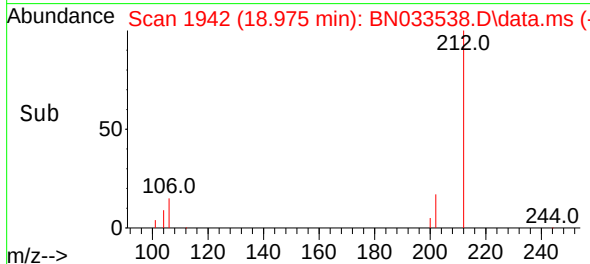
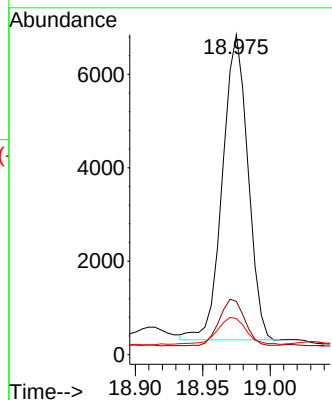
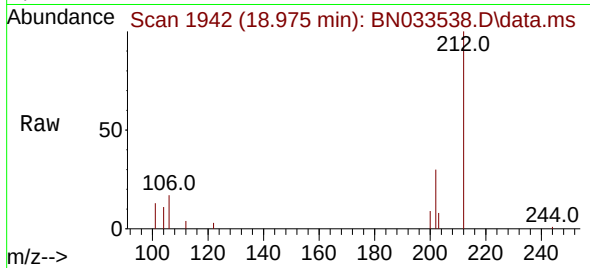




#27
Fluoranthene-d10
Concen: 0.149 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

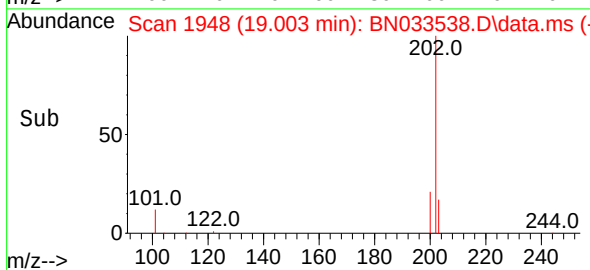
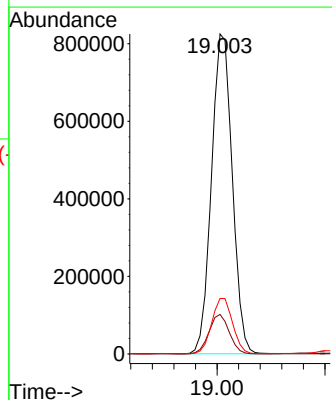
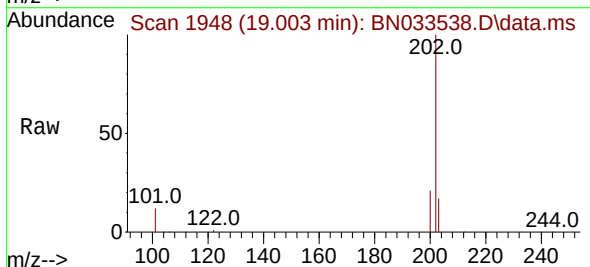
Instrument :
BNA_N
ClientSampleId :

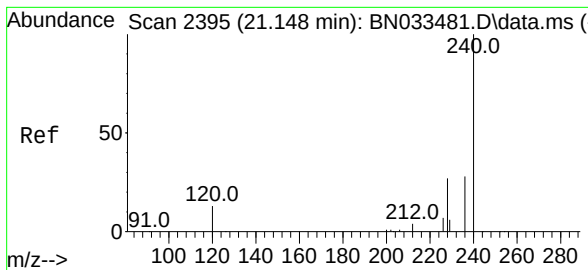
Tgt Ion	212	Resp	8556
Ion Ratio	Lower	Upper	
212	100		
106	15.5	12.3	18.5
104	10.8	7.0	10.4#



#28
Fluoranthene
Concen: 15.020 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

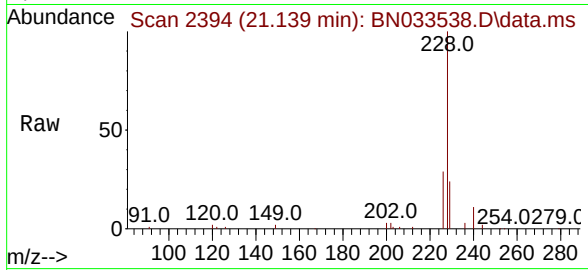
Tgt Ion	202	Resp	1103776
Ion Ratio	Lower	Upper	
202	100		
101	12.0	9.5	14.3
203	17.4	13.8	20.6



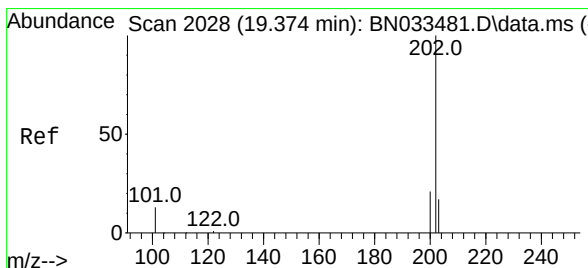
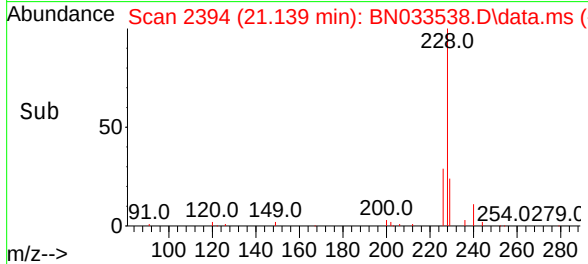
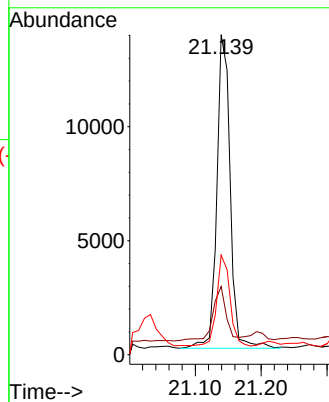


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :

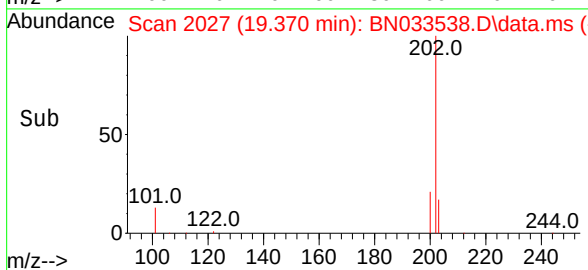
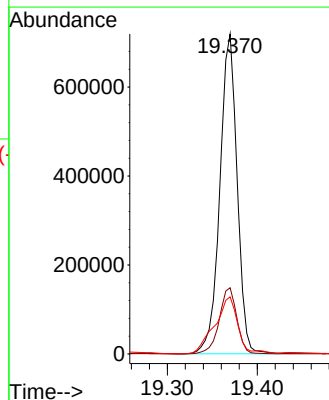
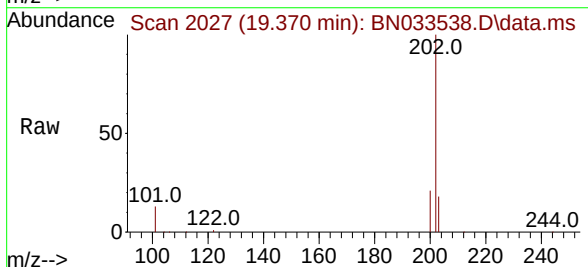


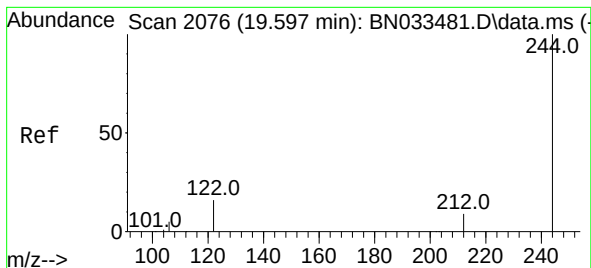
Tgt Ion:240 Resp: 19394
Ion Ratio Lower Upper
240 100
120 21.3 12.4 18.6#
236 31.1 23.0 34.6



#30
Pyrene
Concen: 11.047 ng
RT: 19.370 min Scan# 2027
Delta R.T. -0.005 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion:202 Resp: 956242
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 23.8 14.2 21.4#





#31

Terphenyl-d14

Concen: 0.135 ng

RT: 19.588 min Scan# 2076

Delta R.T. -0.009 min

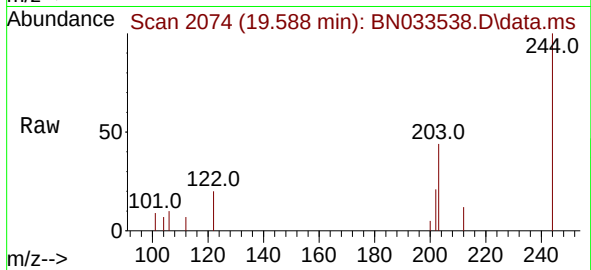
Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :



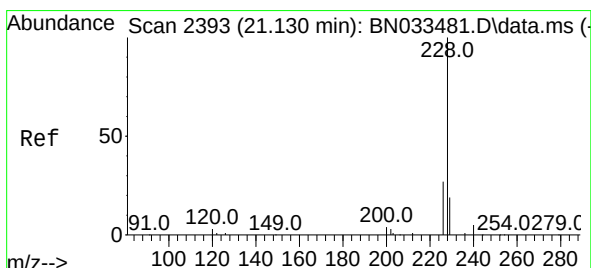
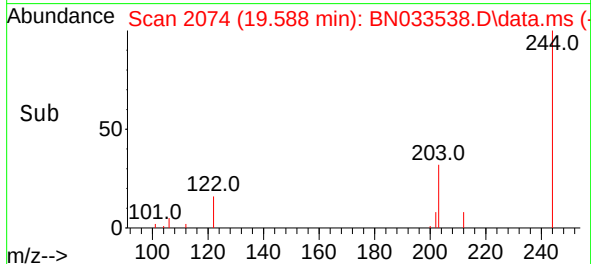
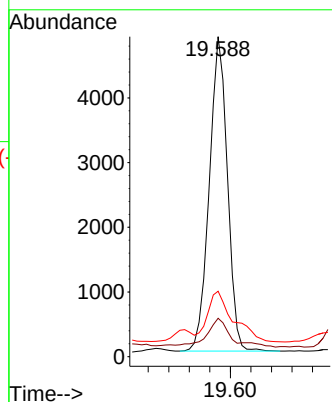
Tgt Ion:244 Resp: 5947

Ion Ratio Lower Upper

244 100

212 12.0 7.8 11.6#

122 20.4 13.3 19.9#



#32

Benzo(a)anthracene

Concen: 7.476 ng

RT: 21.130 min Scan# 2393

Delta R.T. -0.000 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

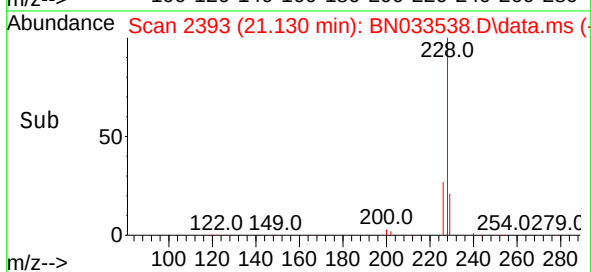
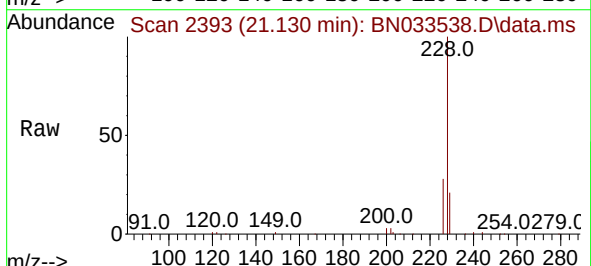
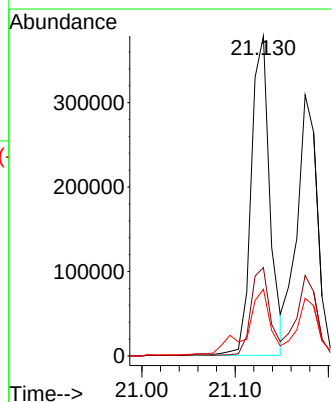
Tgt Ion:228 Resp: 524191

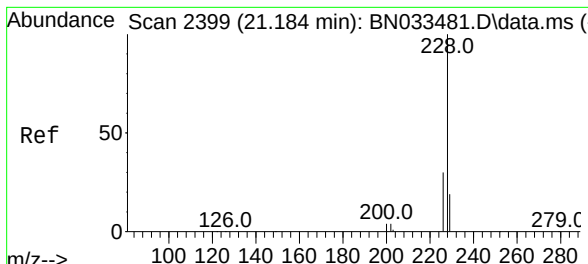
Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

229 20.8 15.8 23.6





#33

Chrysene

Concen: 6.697 ng

RT: 21.175 min Scan# 24

Delta R.T. -0.009 min

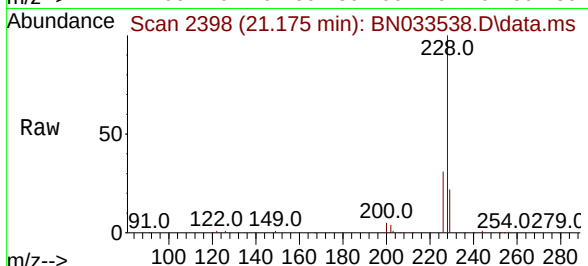
Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :



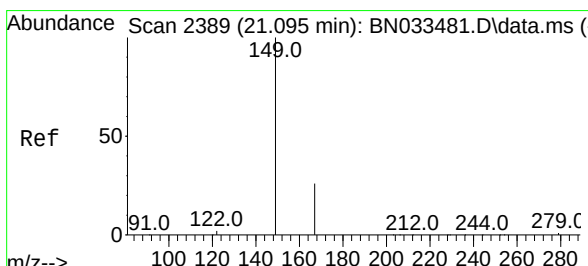
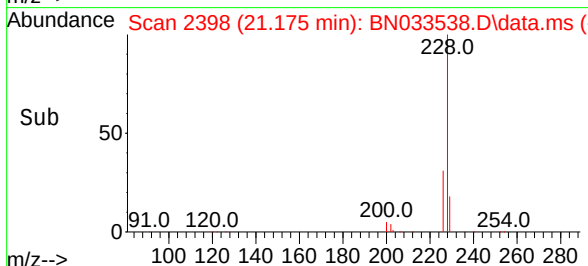
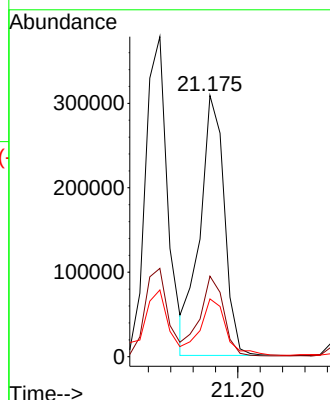
Tgt Ion:228 Resp: 466751

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.8

229 22.1 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.238 ng

RT: 21.086 min Scan# 2388

Delta R.T. -0.009 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

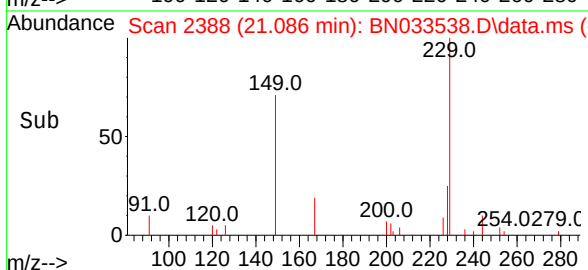
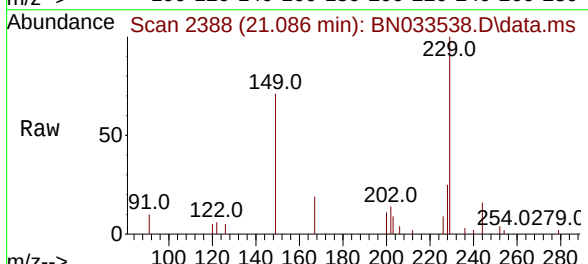
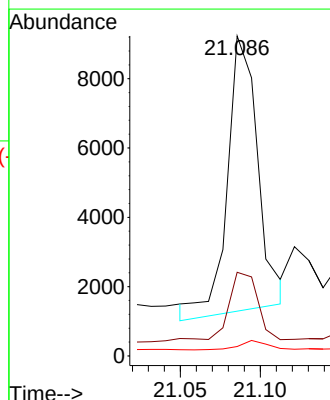
Tgt Ion:149 Resp: 10543

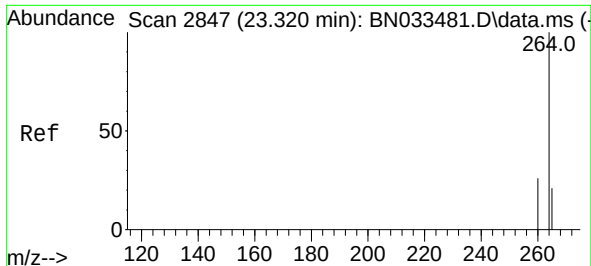
Ion Ratio Lower Upper

149 100

167 26.3 21.5 32.3

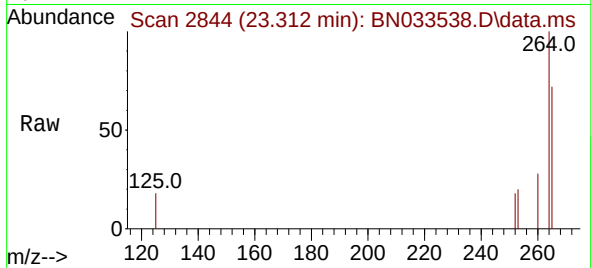
279 4.6 2.2 3.2#



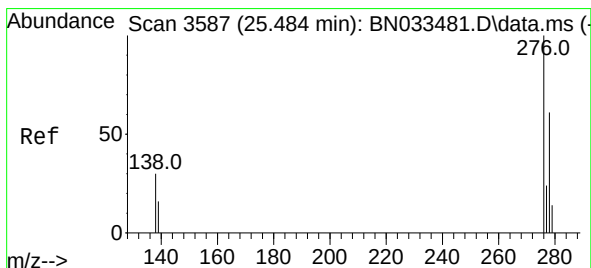
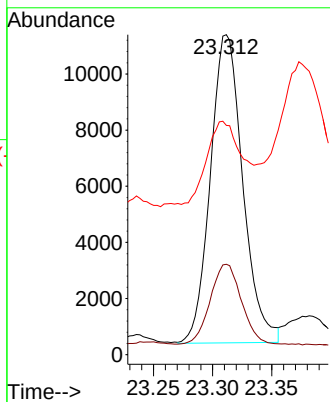
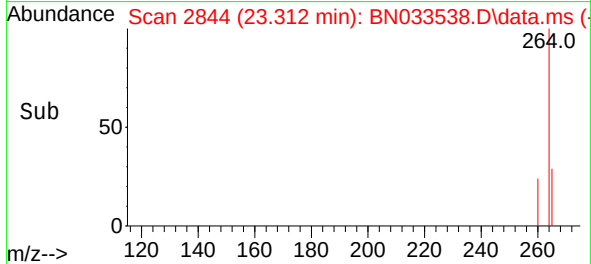


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.312 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :

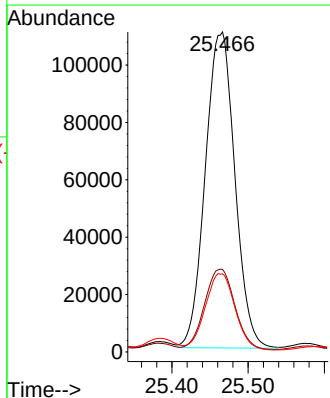
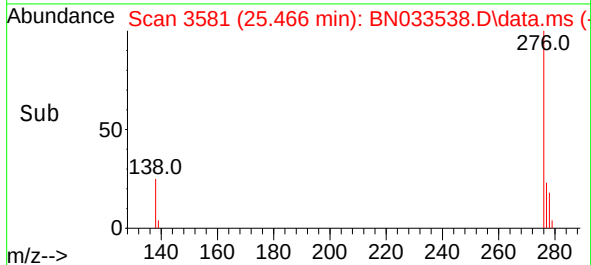
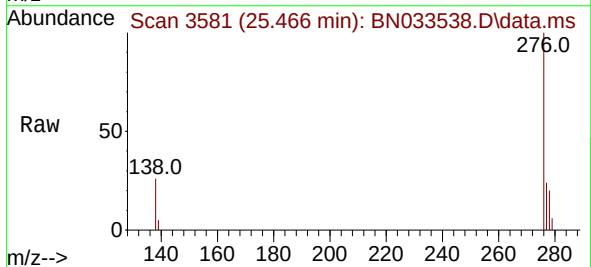


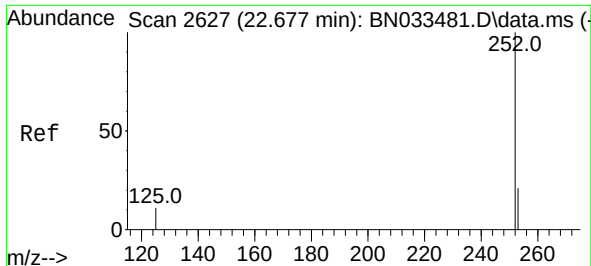
Tgt Ion:264 Resp: 20944
Ion Ratio Lower Upper
264 100
260 28.3 20.8 31.2
265 71.7 52.2 78.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 3.416 ng
RT: 25.466 min Scan# 3581
Delta R.T. -0.018 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Tgt Ion:276 Resp: 297012
Ion Ratio Lower Upper
276 100
138 26.0 24.4 36.6
277 24.3 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 7.950 ng

RT: 22.668 min Scan# 2624

Delta R.T. -0.009 min

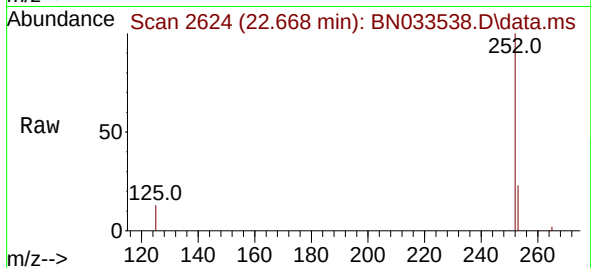
Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :



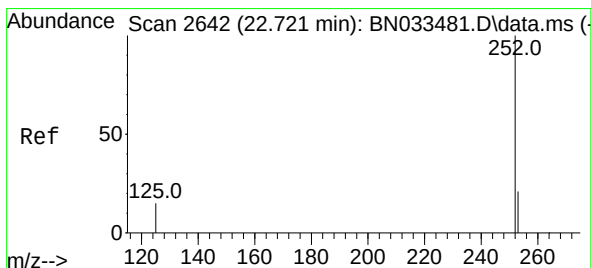
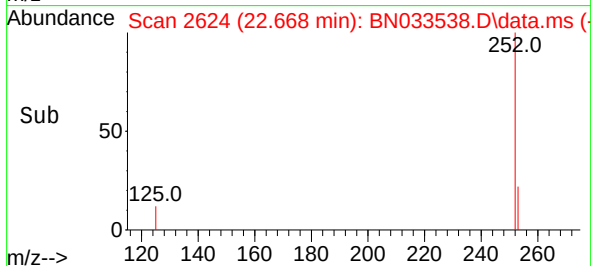
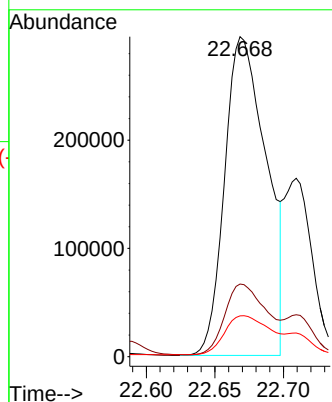
Tgt Ion:252 Resp: 621827

Ion Ratio Lower Upper

252 100

253 22.7 19.8 29.8

125 12.7 13.9 20.9#



#38

Benzo(k)fluoranthene

Concen: 1.010 ng

RT: 22.832 min Scan# 2680

Delta R.T. 0.111 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

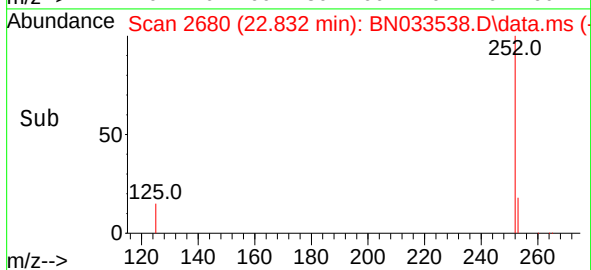
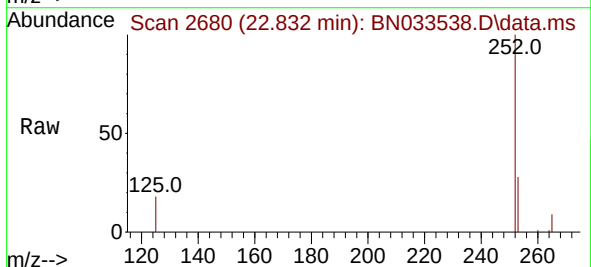
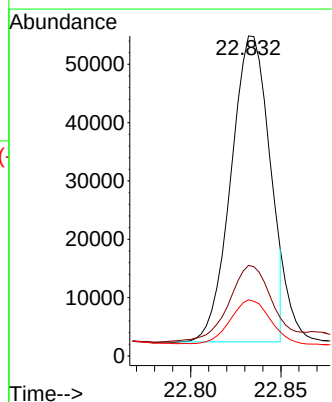
Tgt Ion:252 Resp: 77758

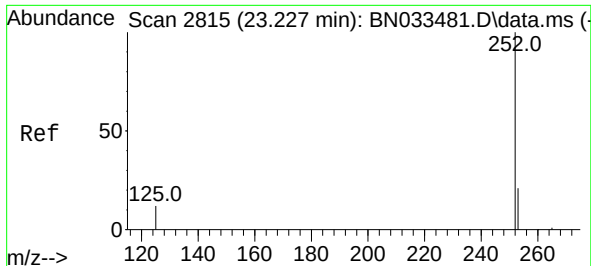
Ion Ratio Lower Upper

252 100

253 28.3 19.8 29.8

125 17.6 15.8 23.8





#39

Benzo(a)pyrene

Concen: 4.750 ng

RT: 23.127 min Scan# 21

Delta R.T. -0.099 min

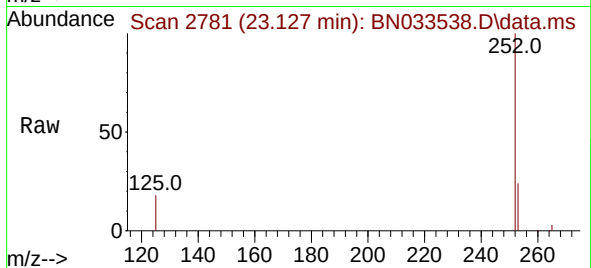
Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

Instrument :

BNA_N

ClientSampleId :



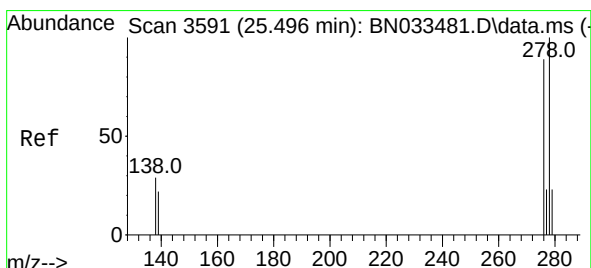
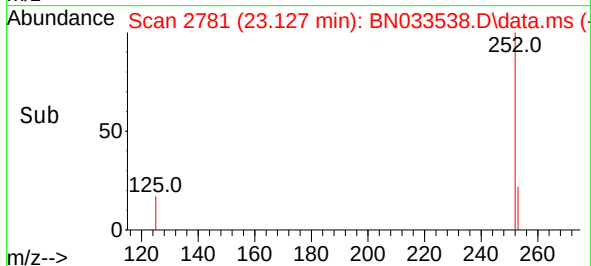
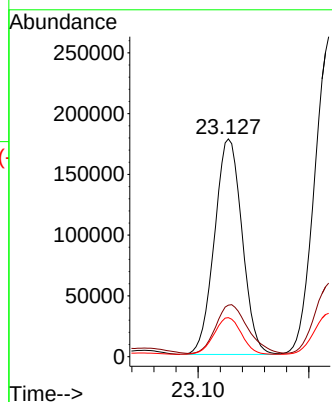
Tgt Ion:252 Resp: 307379

Ion Ratio Lower Upper

252 100

253 23.7 21.5 32.3

125 17.9 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.990 ng

RT: 25.472 min Scan# 3583

Delta R.T. -0.023 min

Lab File: BN033538.D

Acq: 21 Aug 2024 11:53

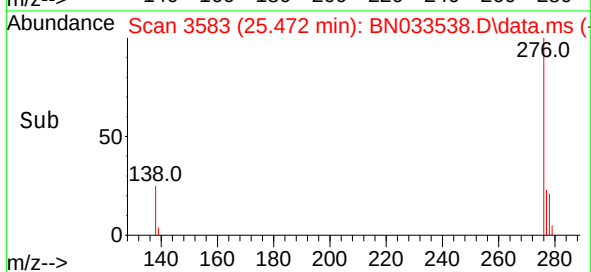
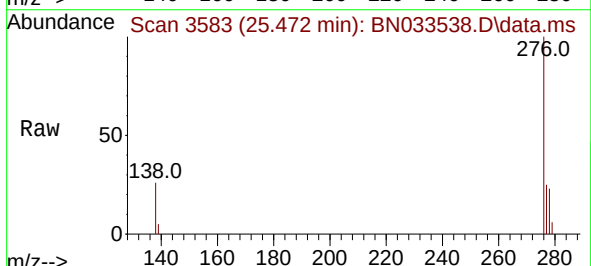
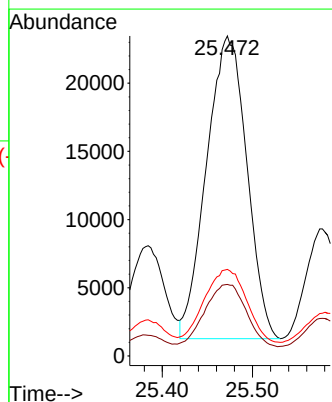
Tgt Ion:278 Resp: 68839

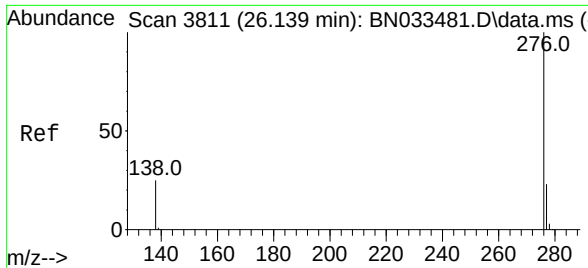
Ion Ratio Lower Upper

278 100

139 22.4 19.1 28.7

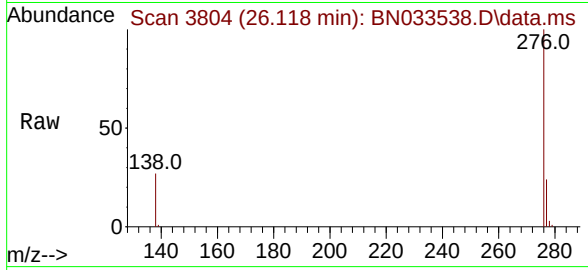
279 27.0 21.0 31.4





#41
Benzo(g,h,i)perylene
Concen: 3.998 ng
RT: 26.118 min Scan# 3804
Delta R.T. -0.021 min
Lab File: BN033538.D
Acq: 21 Aug 2024 11:53

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:	276	Resp:	297289
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.7	29.5
138	26.6	21.8	32.6

