

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032138.D
 Acq On : 21 Jun 2024 19:10
 Operator : MA/JU
 Sample : P3002-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-196-GW-580-582

Quant Time: Jun 22 00:33:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 11:30:34 2024
 Response via : Initial Calibration

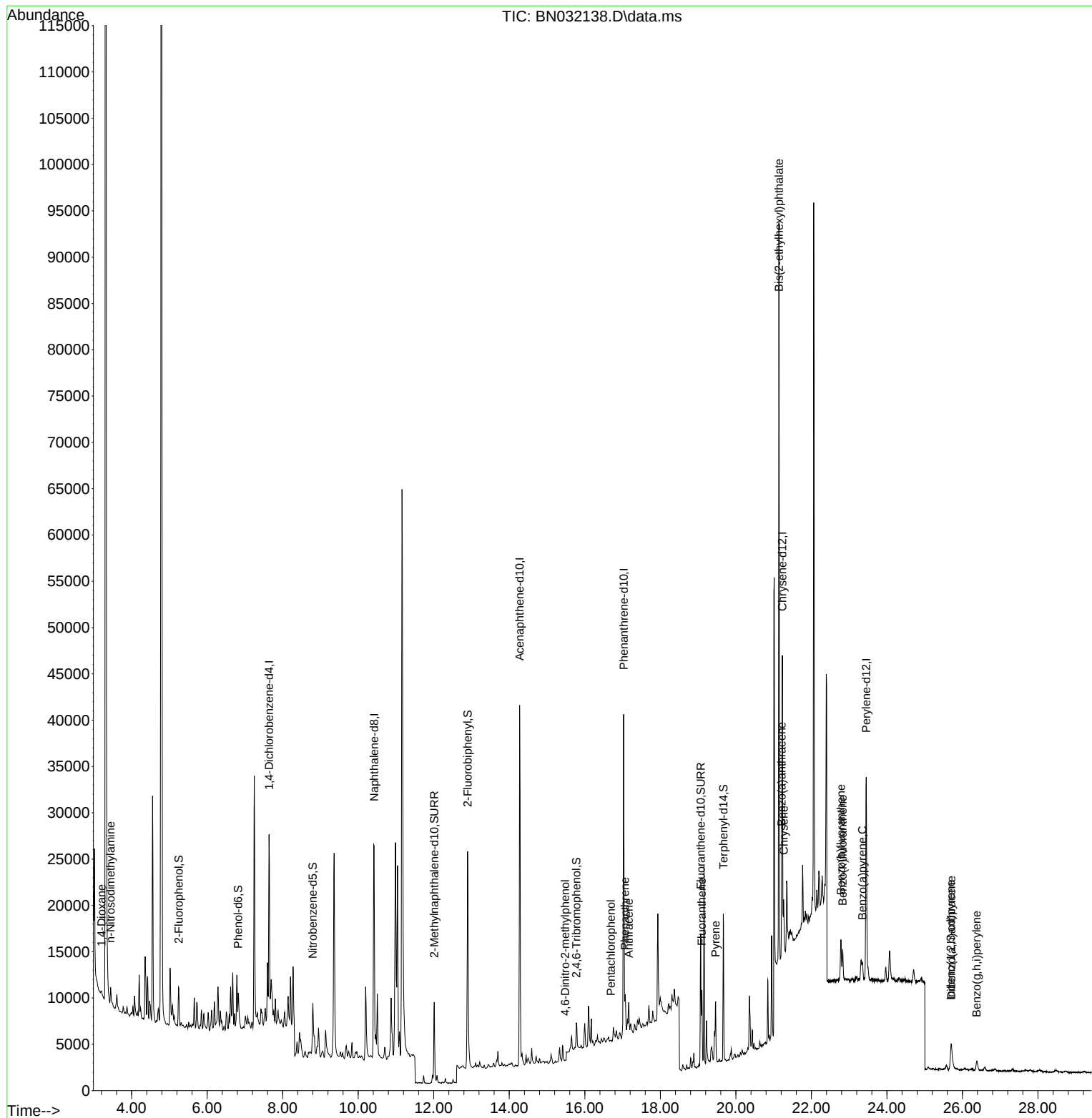
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	11050	0.400	ng	0.00
7) Naphthalene-d8	10.421	136	36962	0.400	ng	# 0.00
13) Acenaphthene-d10	14.274	164	23123	0.400	ng	-0.01
19) Phenanthrene-d10	17.029	188	46916	0.400	ng	# 0.00
29) Chrysene-d12	21.229	240	28409	0.400	ng	# 0.00
35) Perylene-d12	23.449	264	28632	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.248	112	3734	0.119	ng	0.00
5) Phenol-d6	6.823	99	4885	0.119	ng	0.00
8) Nitrobenzene-d5	8.798	82	5889	0.192	ng	0.00
11) 2-Methylnaphthalene-d10	12.013	152	13240	0.225	ng	0.00
14) 2,4,6-Tribromophenol	15.775	330	1688	0.152	ng	-0.01
15) 2-Fluorobiphenyl	12.895	172	21968	0.250	ng	-0.01
27) Fluoranthene-d10	19.068	212	16226	0.127	ng	0.00
31) Terphenyl-d14	19.667	244	15007	0.216	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.204	88	570	0.042	ng	# 76
3) n-Nitrosodimethylamine	3.443	42	278	0.022	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.482	198	6	0.175	ng	# 1
24) Pentachlorophenol	16.694	266	98	0.176	ng	# 81
25) Phenanthrene	17.066	178	4401	0.034	ng	96
26) Anthracene	17.165	178	4185	0.035	ng	# 92
28) Fluoranthene	19.096	202	6414	0.041	ng	# 80
30) Pyrene	19.463	202	5898	0.052	ng	# 94
32) Benzo(a)anthracene	21.211	228	4549	0.043	ng	# 83
33) Chrysene	21.265	228	4591	0.045	ng	# 83
34) Bis(2-ethylhexyl)phtha...	21.139	149	66815	0.915	ng	100
36) Indeno(1,2,3-cd)pyrene	25.694	276	3384	0.032	ng	# 82
37) Benzo(b)fluoranthene	22.782	252	5292	0.051	ng	# 1
38) Benzo(k)fluoranthene	22.826	252	3895	0.039	ng	# 1
39) Benzo(a)pyrene	23.353	252	2397	0.027	ng	# 1
40) Dibenzo(a,h)anthracene	25.706	278	2644	0.031	ng	# 1
41) Benzo(g,h,i)perylene	26.376	276	2324	0.026	ng	# 29

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

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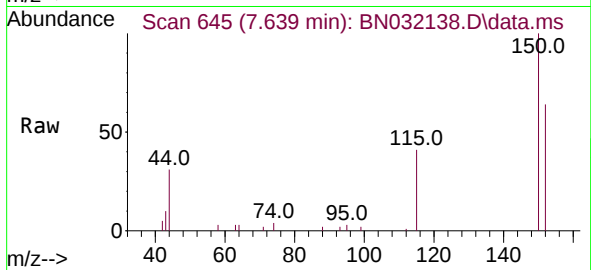
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN061024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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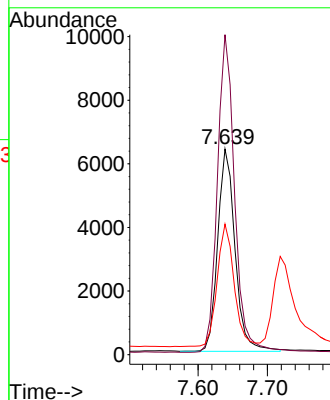
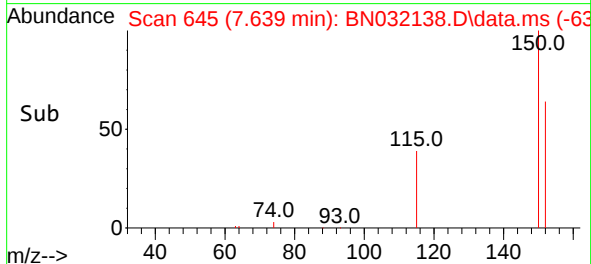


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.639 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN032138.D
 Acq: 21 Jun 2024 19:10

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-196-GW-580-582

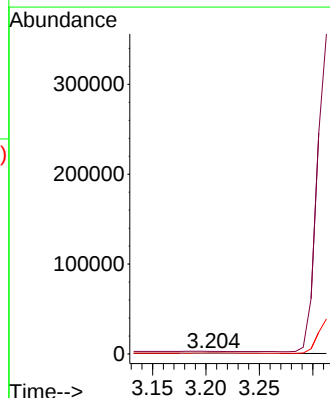
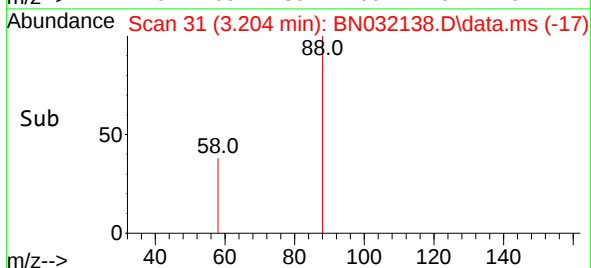
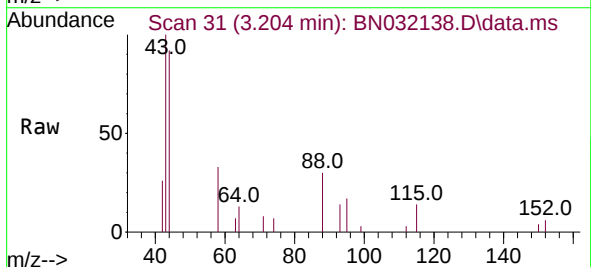


Tgt Ion:152 Resp: 11050
 Ion Ratio Lower Upper
 152 100
 150 155.6 121.0 181.4
 115 63.5 49.4 74.0



#2
 1,4-Dioxane
 Concen: 0.042 ng
 RT: 3.204 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN032138.D
 Acq: 21 Jun 2024 19:10

Tgt Ion: 88 Resp: 570
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.7 34.1#
 58 72.5 51.3 76.9

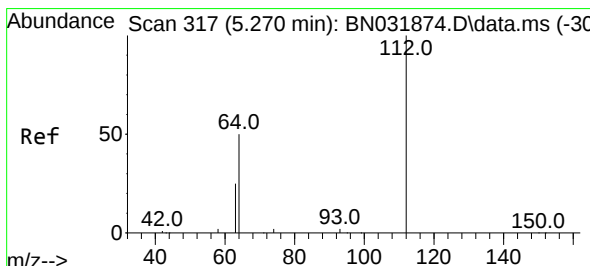
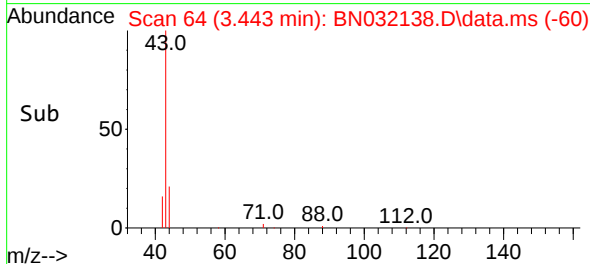
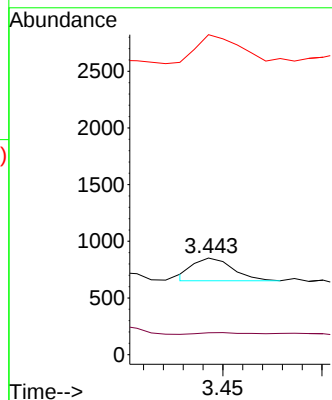
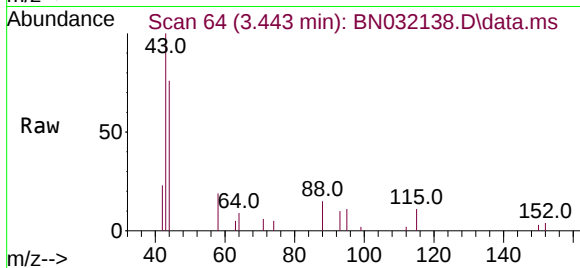




#3
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.443 min Scan# 64
Delta R.T. -0.072 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

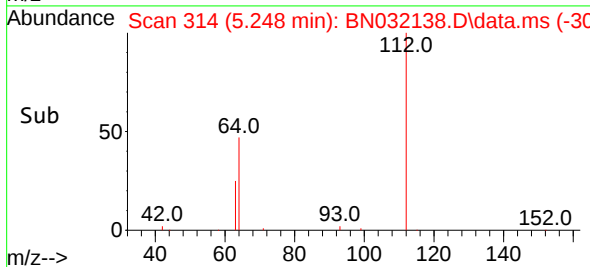
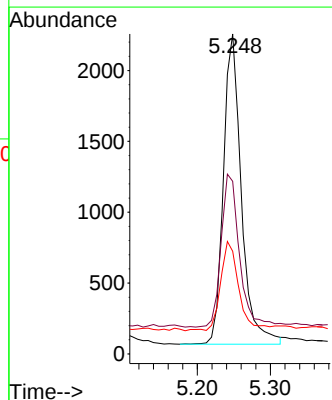
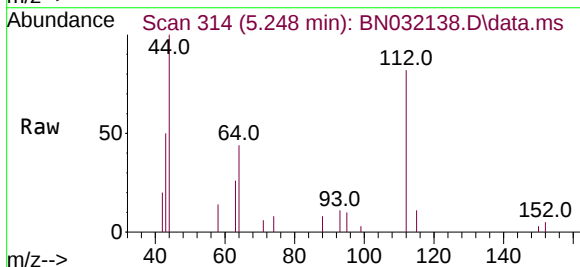
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-580-582

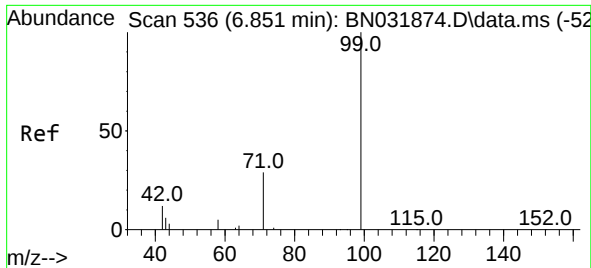
Tgt Ion: 42 Resp: 278
Ion Ratio Lower Upper
42 100
74 9.4 125.2 187.8#
44 134.9 6.9 10.3#



#4
2-Fluorophenol
Concen: 0.119 ng
RT: 5.248 min Scan# 314
Delta R.T. 0.000 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Tgt Ion: 112 Resp: 3734
Ion Ratio Lower Upper
112 100
64 50.1 42.4 63.6
63 29.4 22.1 33.1

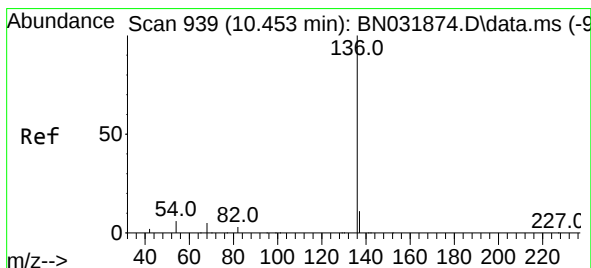
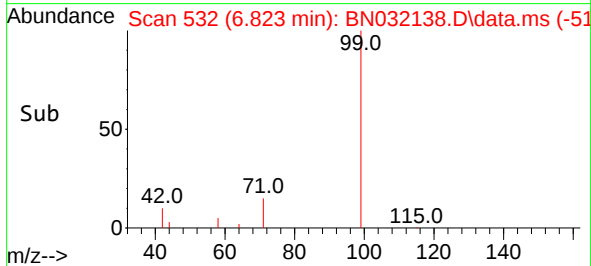
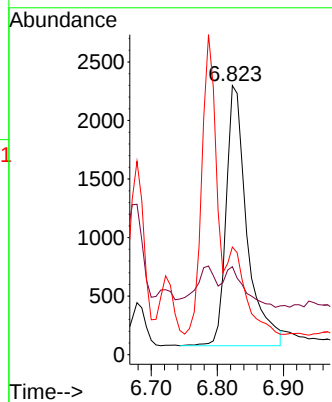
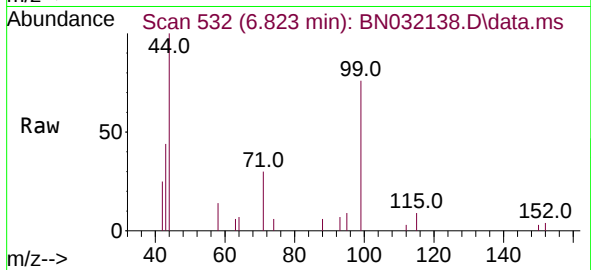




#5
Phenol-d6
Concen: 0.119 ng
RT: 6.823 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

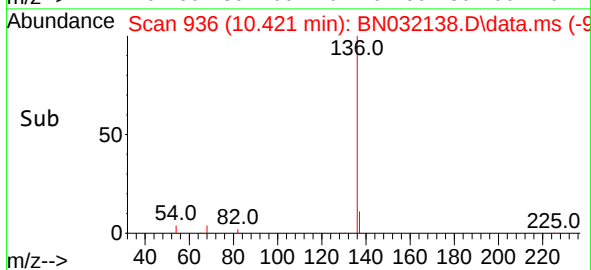
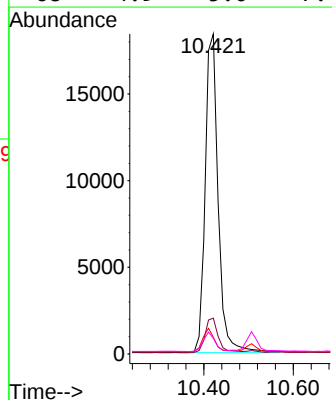
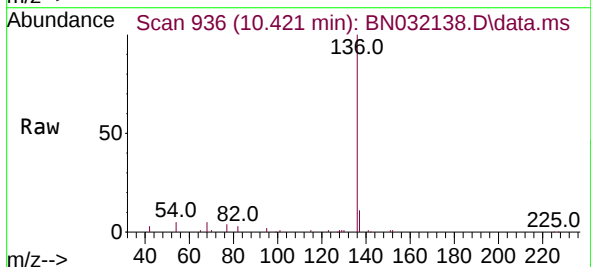
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-580-582

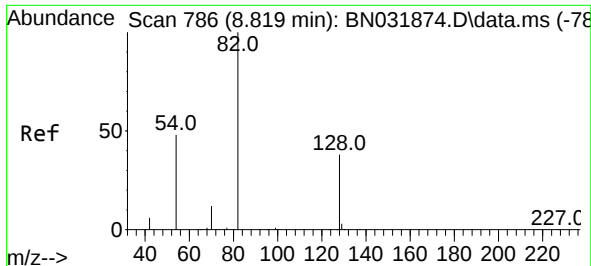
Tgt Ion: 99 Resp: 4885
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 0.0 25.4 38.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.421 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Tgt Ion: 136 Resp: 36962
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 5.3 5.6 8.4#
68 4.9 5.0 7.4#

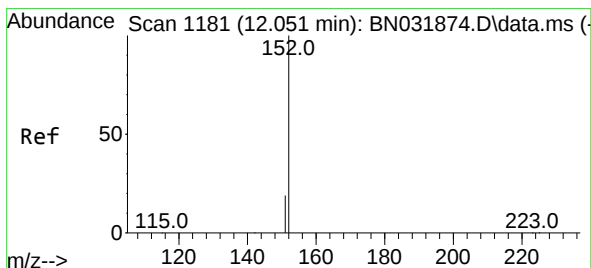
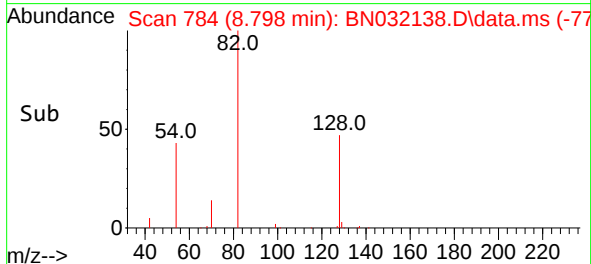
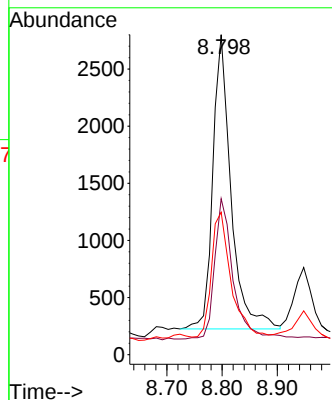
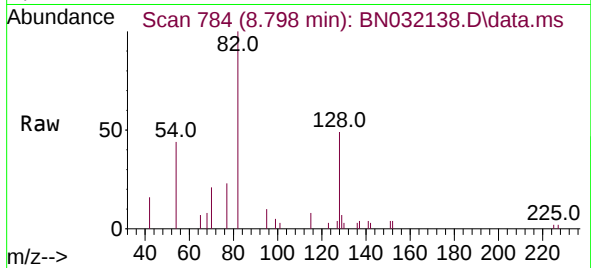




#8
Nitrobenzene-d5
Concen: 0.192 ng
RT: 8.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

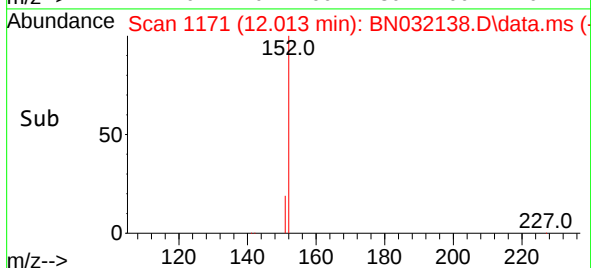
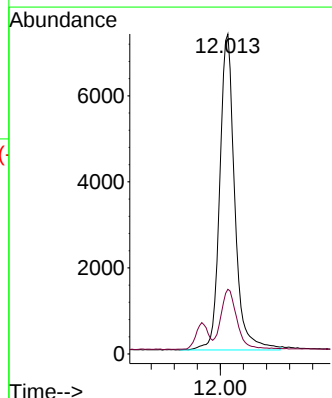
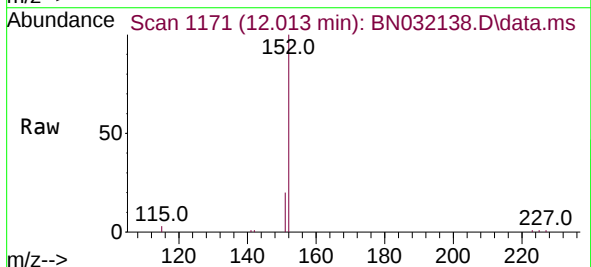
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-580-582

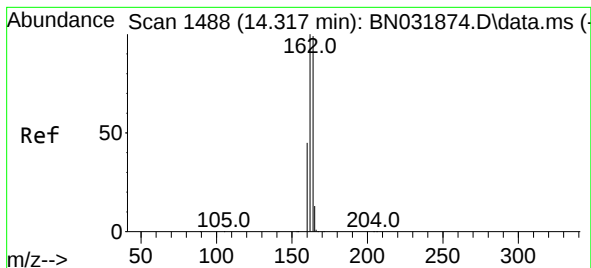
Tgt Ion: 82 Resp: 5889
Ion Ratio Lower Upper
82 100
128 48.8 32.1 48.1#
54 44.5 39.7 59.5



#11
2-Methylnaphthalene-d10
Concen: 0.225 ng
RT: 12.013 min Scan# 1171
Delta R.T. -0.008 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Tgt Ion: 152 Resp: 13240
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.274 min Scan# 1488

Delta R.T. -0.011 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582

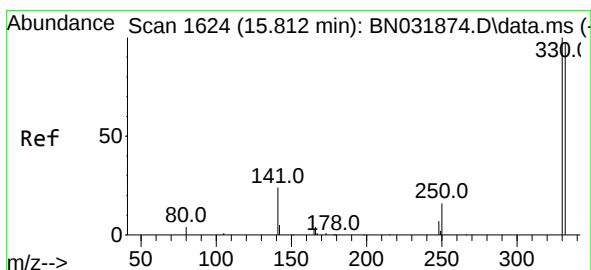
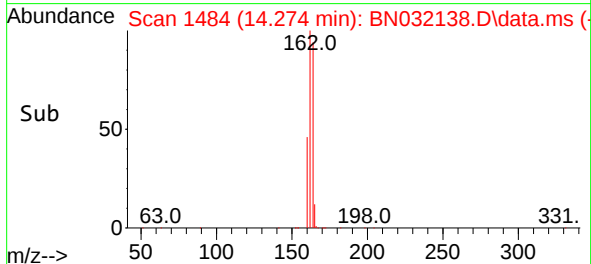
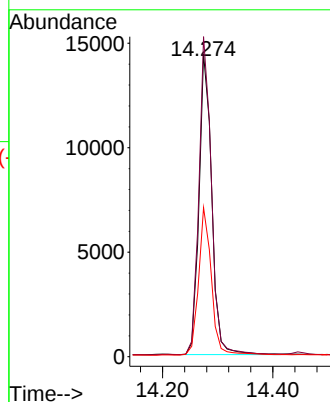
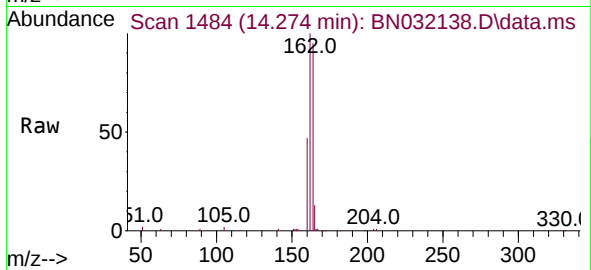
Tgt Ion:164 Resp: 23123

Ion Ratio Lower Upper

164 100

162 105.7 80.7 121.1

160 49.3 36.2 54.4



#14

2,4,6-Tribromophenol

Concen: 0.152 ng

RT: 15.775 min Scan# 1621

Delta R.T. -0.012 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

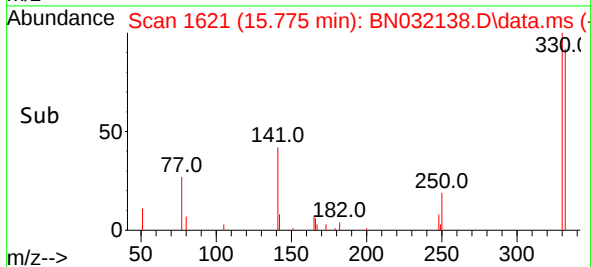
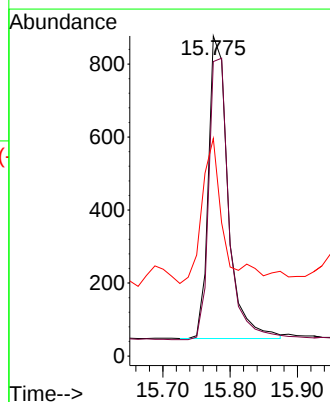
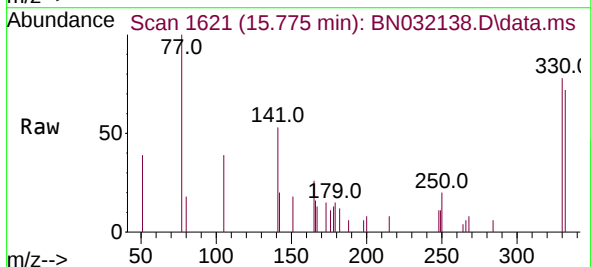
Tgt Ion:330 Resp: 1688

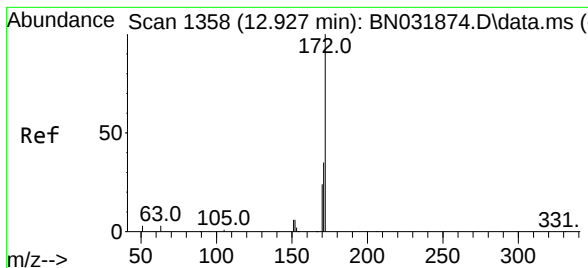
Ion Ratio Lower Upper

330 100

332 95.3 77.5 116.3

141 45.9 34.7 52.1





#15

2-Fluorobiphenyl

Concen: 0.250 ng

RT: 12.895 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582

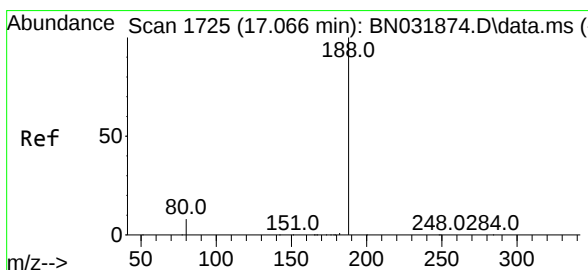
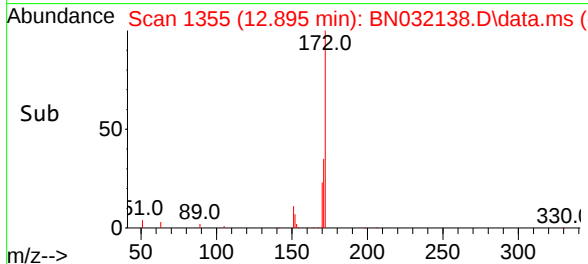
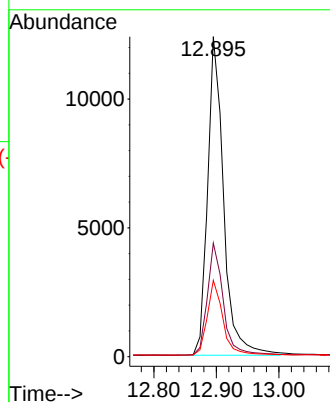
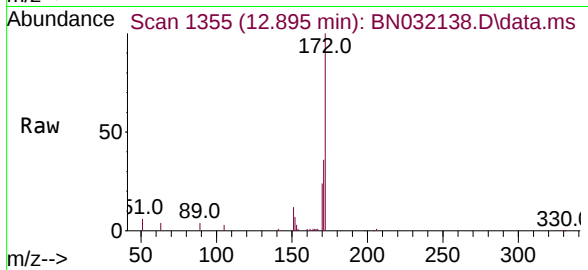
Tgt Ion:172 Resp: 21968

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.9 19.2 28.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.029 min Scan# 1722

Delta R.T. 0.000 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

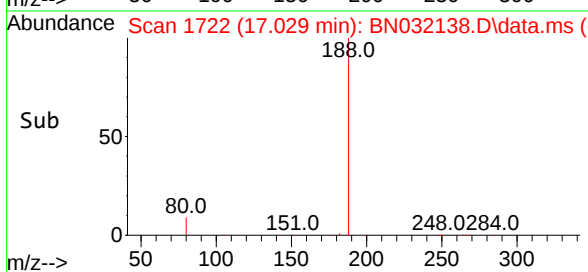
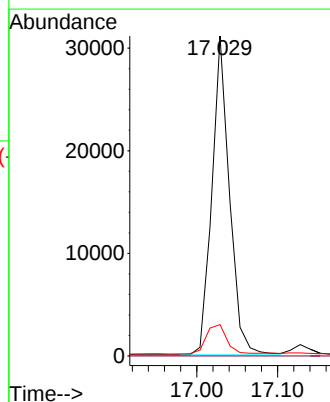
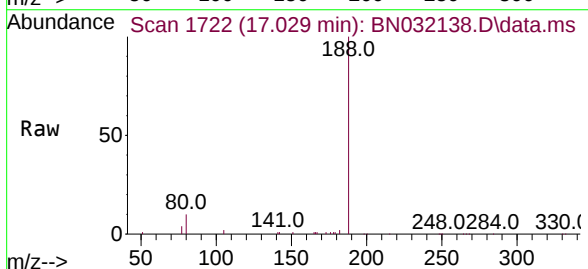
Tgt Ion:188 Resp: 46916

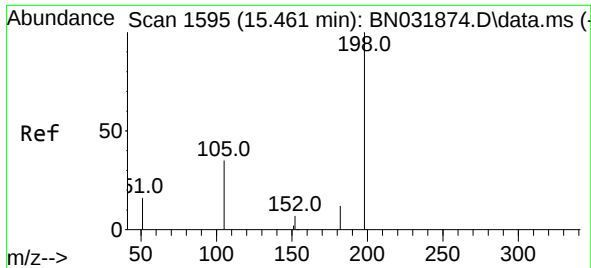
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 6.4 9.6#

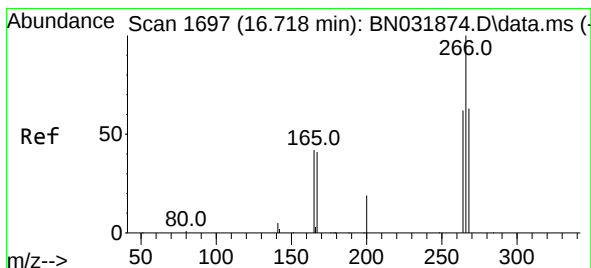
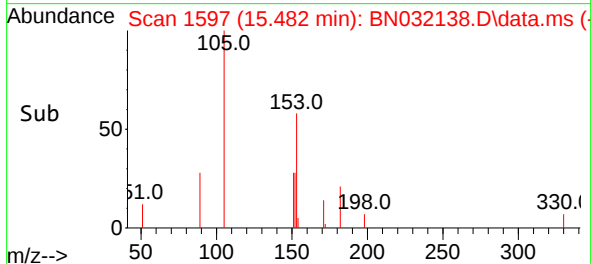
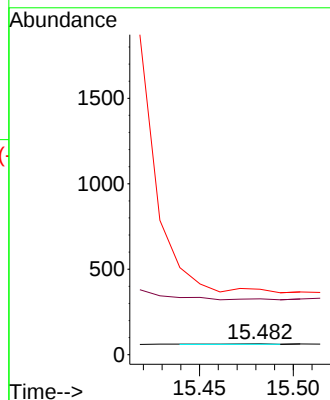
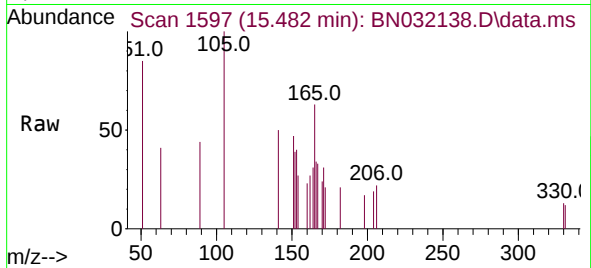




#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.482 min Scan# 11
Delta R.T. 0.043 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

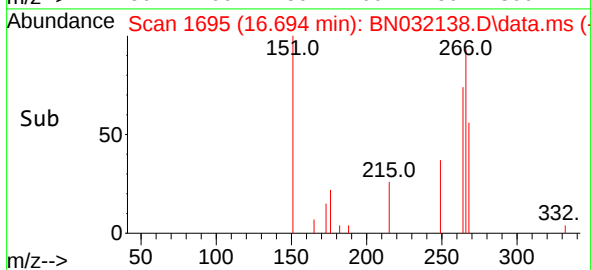
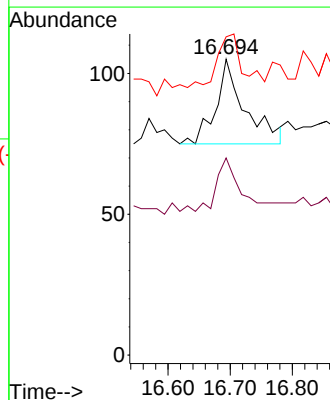
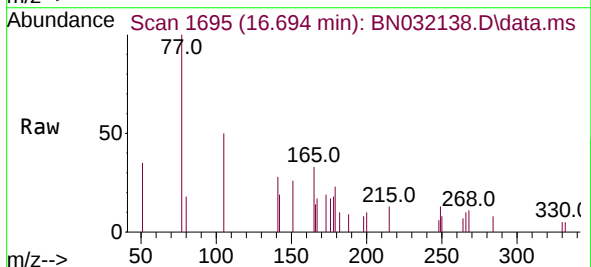
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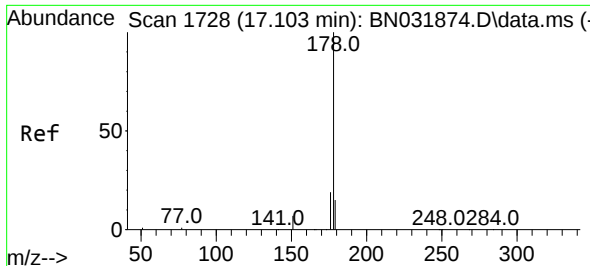
Tgt Ion:198	Resp:	6	
Ion	Ratio	Lower	Upper
198	100		
51	510.9	42.7	64.1#
105	598.4	41.8	62.8#



#24
Pentachlorophenol
Concen: 0.176 ng
RT: 16.694 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Tgt Ion:266	Resp:	98	
Ion	Ratio	Lower	Upper
266	100		
264	49.0	50.0	75.0#
268	48.0	51.0	76.6#

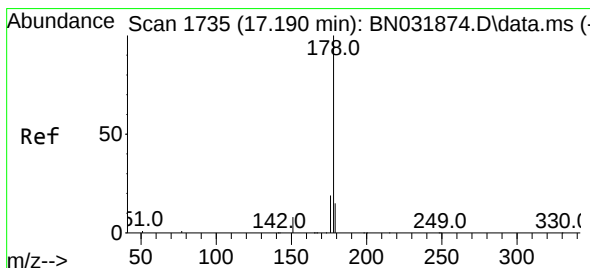
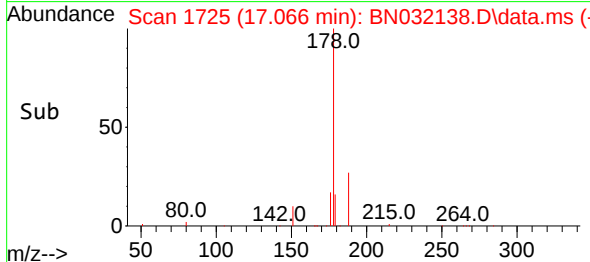
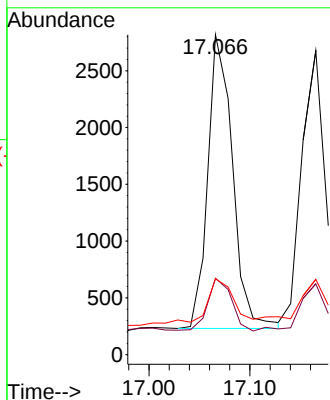
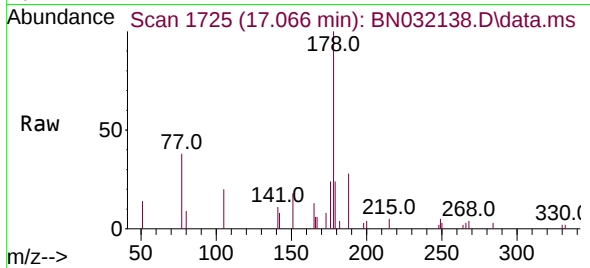




#25
Phenanthrene
Concen: 0.034 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.012 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

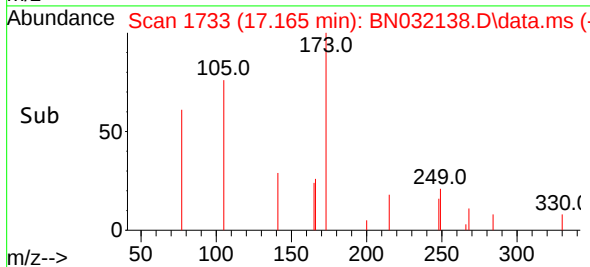
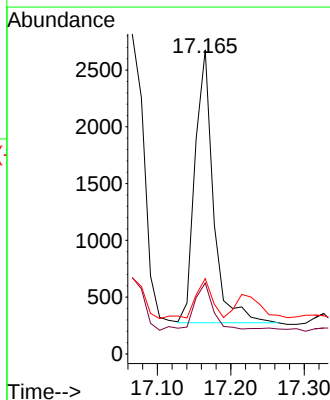
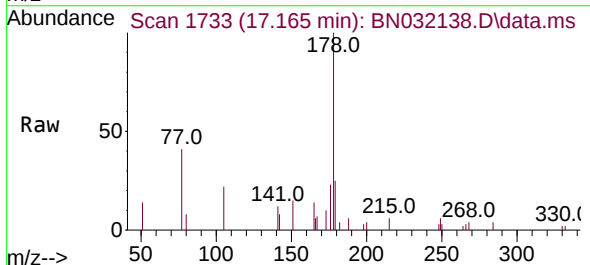
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-580-582

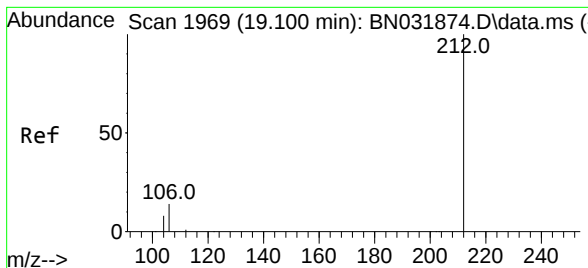
Tgt Ion:178 Resp: 4401
Ion Ratio Lower Upper
178 100
176 17.1 15.4 23.0
179 16.7 12.2 18.2



#26
Anthracene
Concen: 0.035 ng
RT: 17.165 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Tgt Ion:178 Resp: 4185
Ion Ratio Lower Upper
178 100
176 15.2 14.8 22.2
179 11.8 12.2 18.2#





#27

Fluoranthene-d10

Concen: 0.127 ng

RT: 19.068 min Scan# 1968

Delta R.T. -0.005 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582

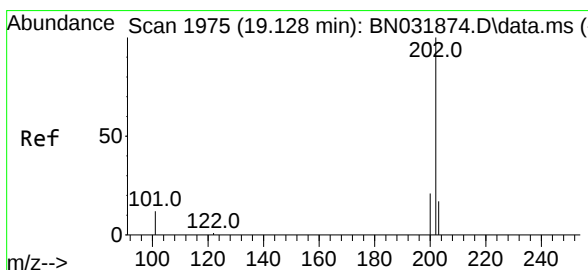
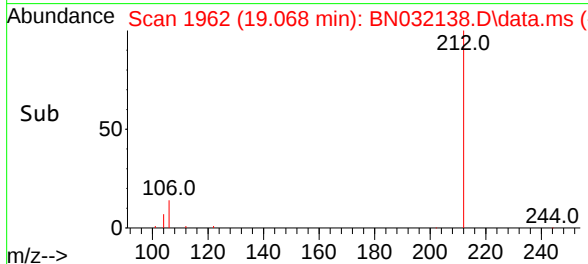
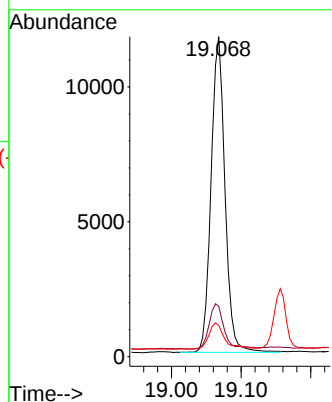
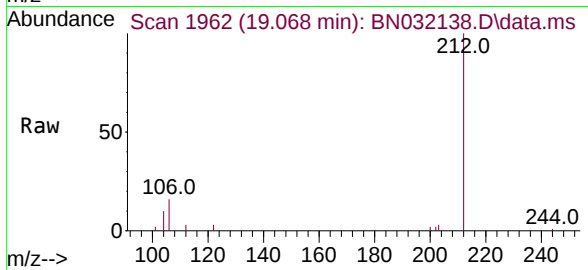
Tgt Ion:212 Resp: 16226

Ion Ratio Lower Upper

212 100

106 15.4 11.8 17.8

104 9.2 6.6 10.0



#28

Fluoranthene

Concen: 0.041 ng

RT: 19.096 min Scan# 1968

Delta R.T. -0.005 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

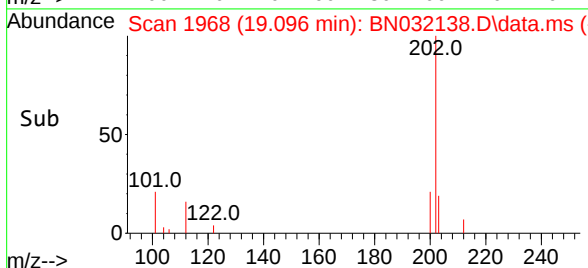
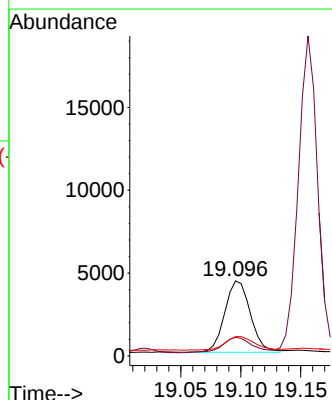
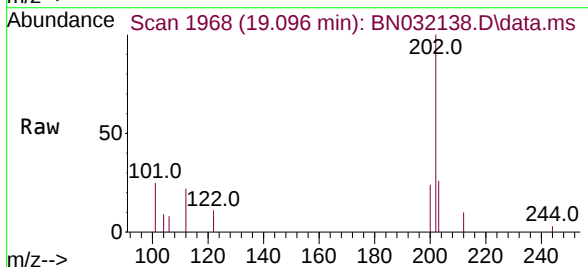
Tgt Ion:202 Resp: 6414

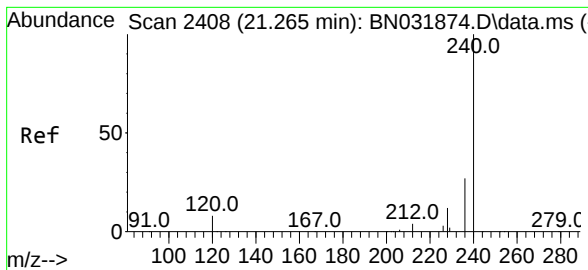
Ion Ratio Lower Upper

202 100

101 25.1 9.8 14.6#

203 21.4 13.7 20.5#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.229 min Scan# 2404

Delta R.T. 0.000 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582

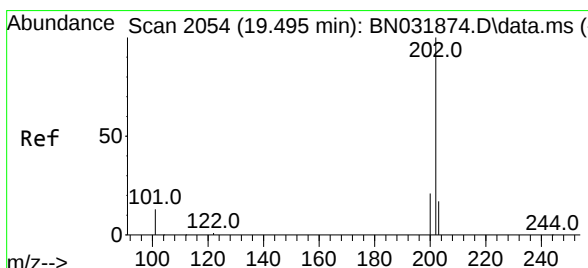
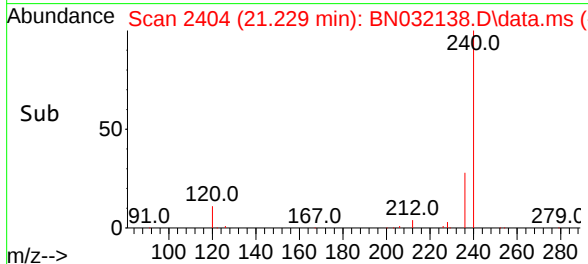
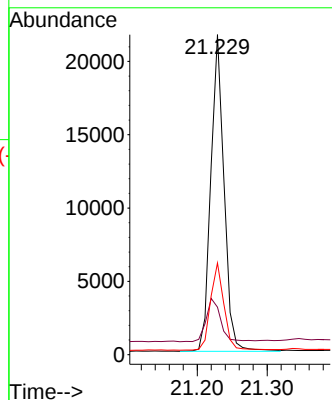
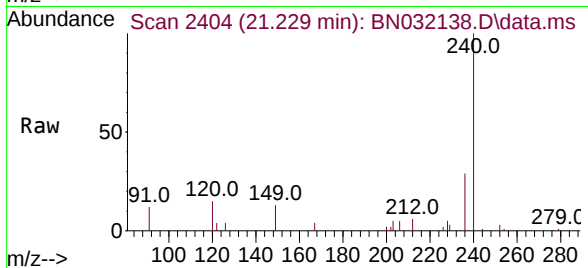
Tgt Ion:240 Resp: 28409

Ion Ratio Lower Upper

240 100

120 14.9 8.2 12.4#

236 28.7 21.8 32.8



#30

Pyrene

Concen: 0.052 ng

RT: 19.463 min Scan# 2047

Delta R.T. -0.005 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

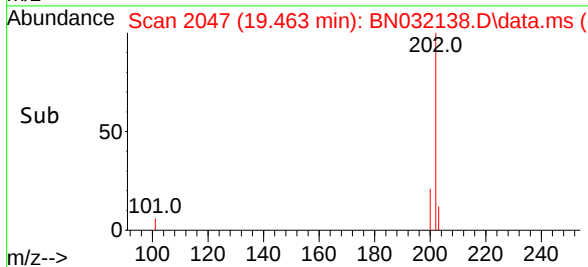
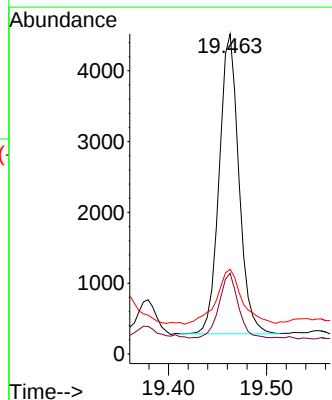
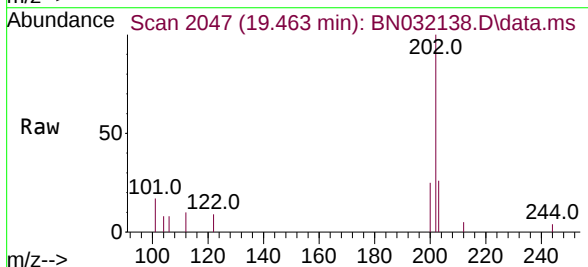
Tgt Ion:202 Resp: 5898

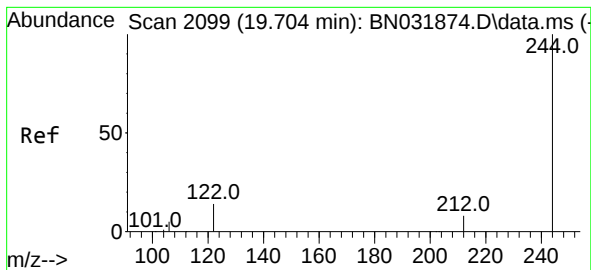
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 23.8 14.3 21.5#





#31

Terphenyl-d14

Concen: 0.216 ng

RT: 19.667 min Scan# 2091

Delta R.T. -0.005 min

Lab File: BN032138.D

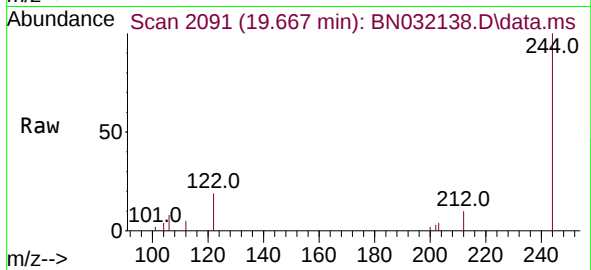
Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582



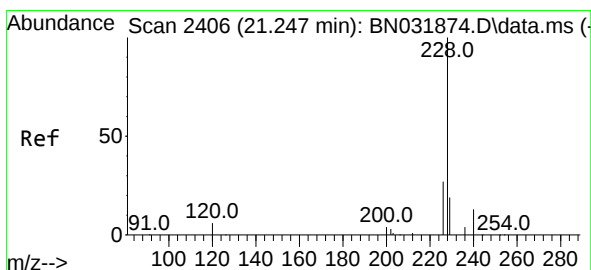
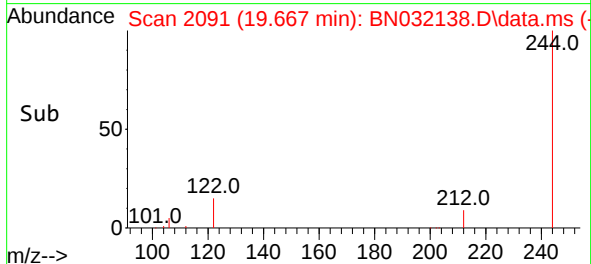
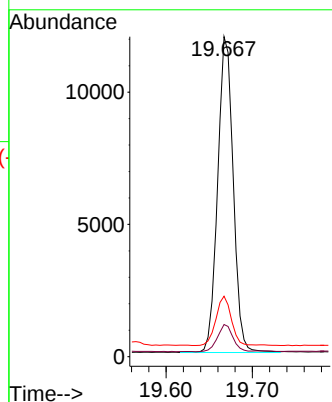
Tgt Ion:244 Resp: 15007

Ion Ratio Lower Upper

244 100

212 10.1 6.5 9.7#

122 18.9 11.4 17.0#



#32

Benzo(a)anthracene

Concen: 0.043 ng

RT: 21.211 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

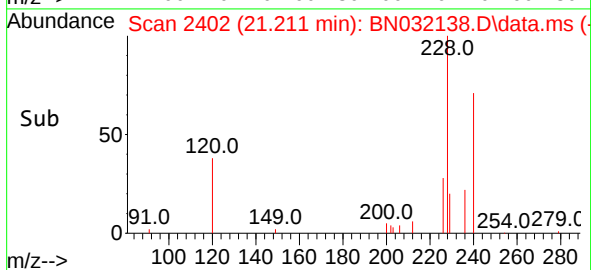
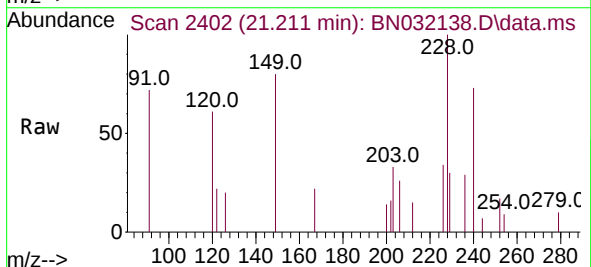
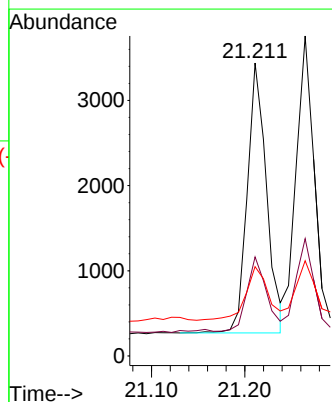
Tgt Ion:228 Resp: 4549

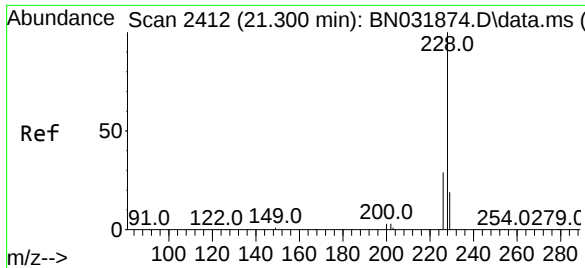
Ion Ratio Lower Upper

228 100

226 33.8 21.8 32.6#

229 30.5 15.8 23.8#





#33

Chrysene

Concen: 0.045 ng

RT: 21.265 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582

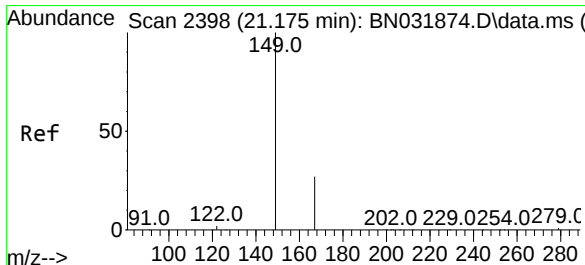
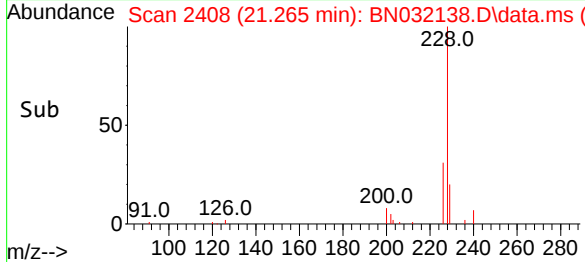
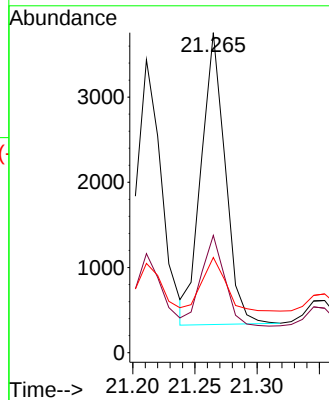
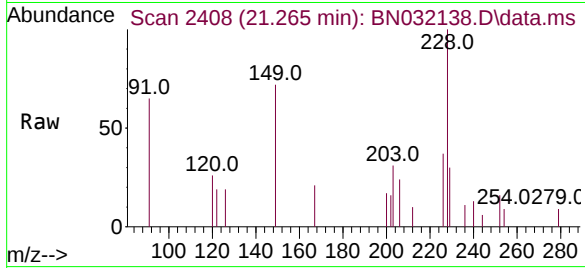
Tgt Ion:228 Resp: 4591

Ion Ratio Lower Upper

228 100

226 36.6 23.6 35.4#

229 29.7 15.8 23.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.915 ng

RT: 21.139 min Scan# 2394

Delta R.T. -0.009 min

Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

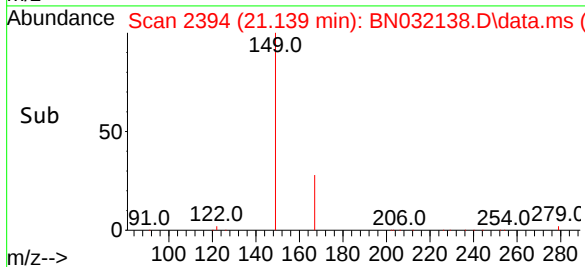
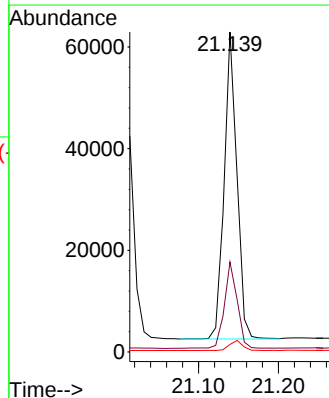
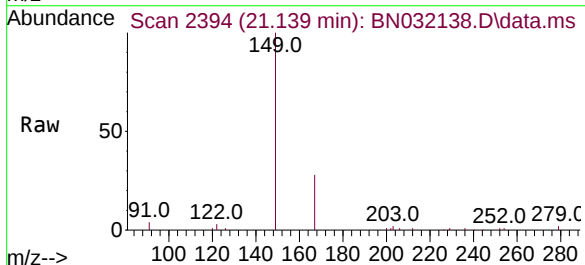
Tgt Ion:149 Resp: 66815

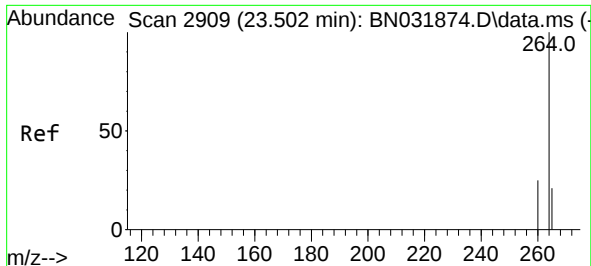
Ion Ratio Lower Upper

149 100

167 28.2 22.5 33.7

279 3.5 2.9 4.3





#35
Perylene-d12

Concen: 0.400 ng

RT: 23.449 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN032138.D

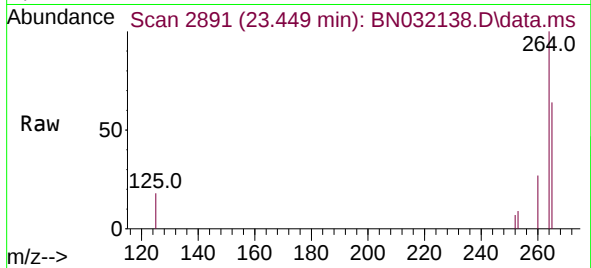
Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

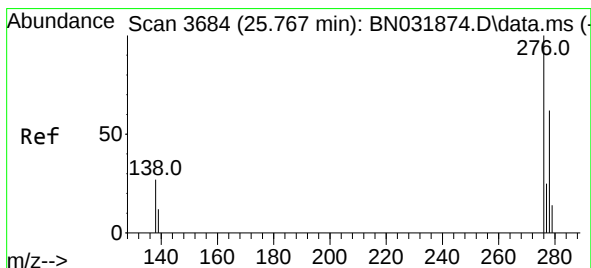
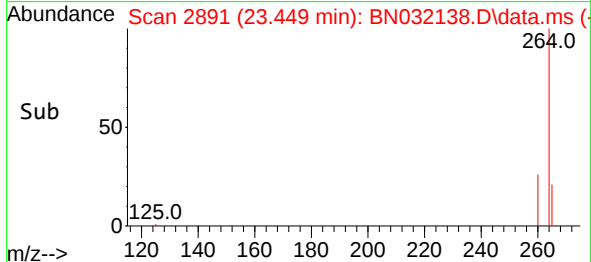
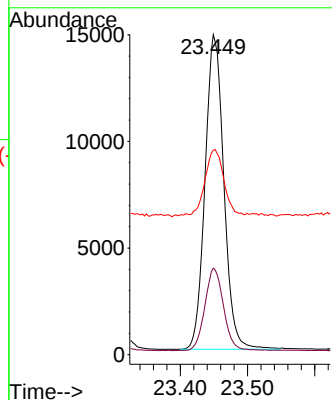
ClientSampleId :

BP-VPB-196-GW-580-582



Tgt Ion:264 Resp: 28632

Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.5	30.7
265	63.9	39.6	59.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.032 ng

RT: 25.694 min Scan# 3659

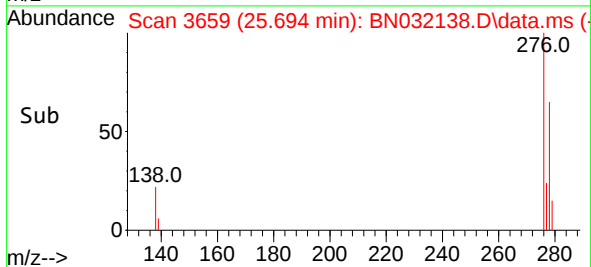
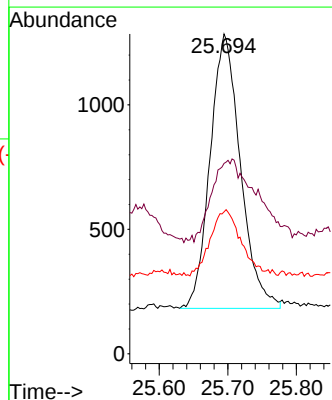
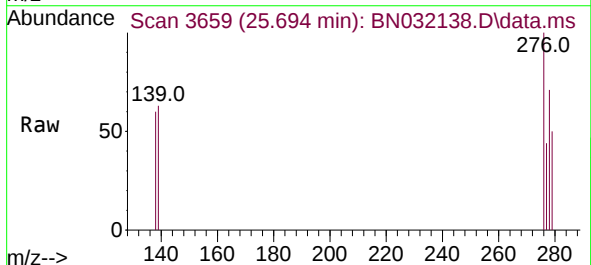
Delta R.T. 0.000 min

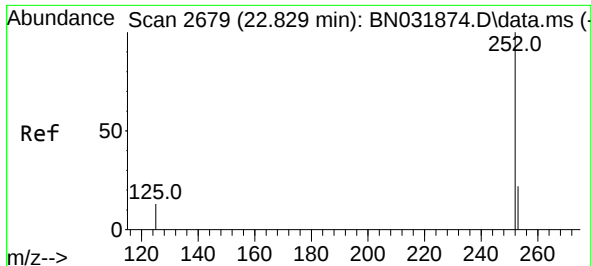
Lab File: BN032138.D

Acq: 21 Jun 2024 19:10

Tgt Ion:276 Resp: 3384

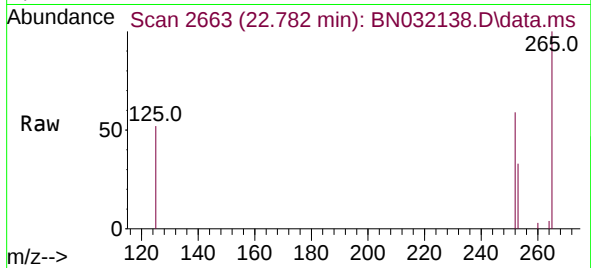
Ion	Ratio	Lower	Upper
276	100		
138	44.7	21.5	32.3
277	24.2	19.8	29.8



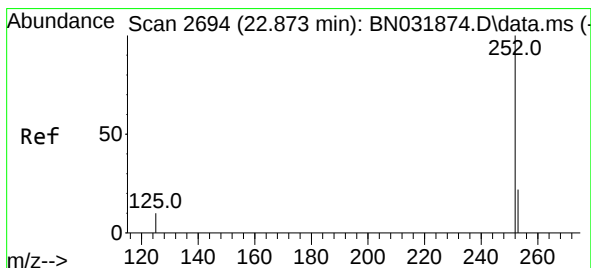
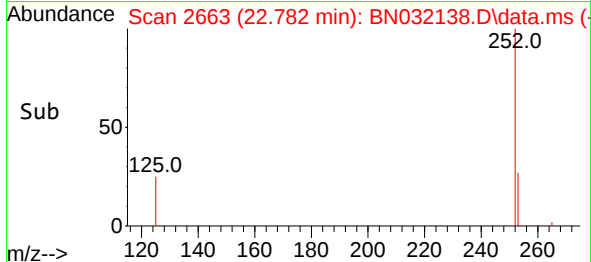
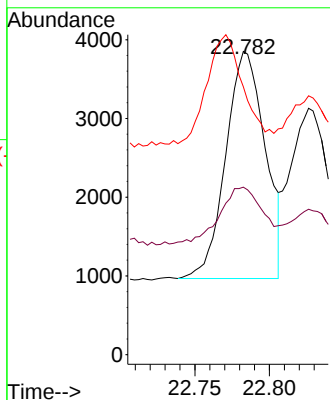


#37
Benzo(b)fluoranthene
Concen: 0.051 ng
RT: 22.782 min Scan# 2663
Delta R.T. -0.003 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-580-582

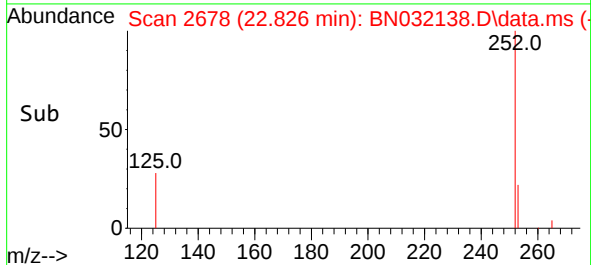
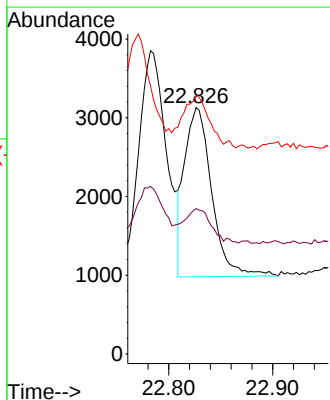
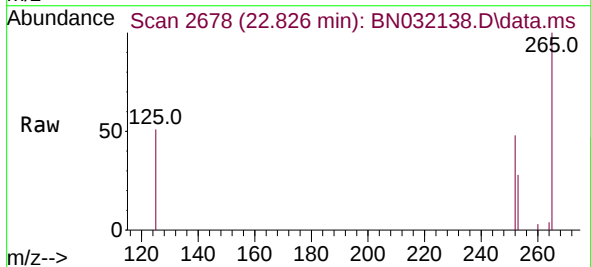


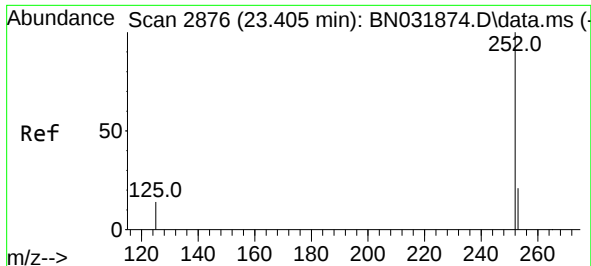
Tgt Ion:252 Resp: 5292
Ion Ratio Lower Upper
252 100
253 55.3 20.2 30.2#
125 88.4 14.2 21.4#



#38
Benzo(k)fluoranthene
Concen: 0.039 ng
RT: 22.826 min Scan# 2678
Delta R.T. -0.003 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

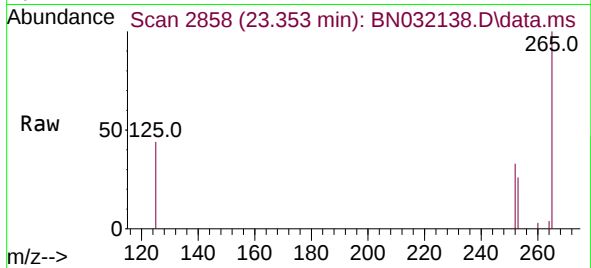
Tgt Ion:252 Resp: 3895
Ion Ratio Lower Upper
252 100
253 59.0 19.9 29.9#
125 105.0 13.0 19.4#



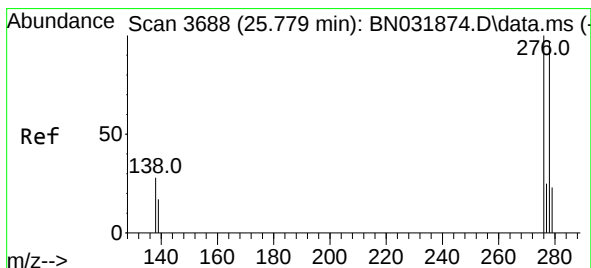
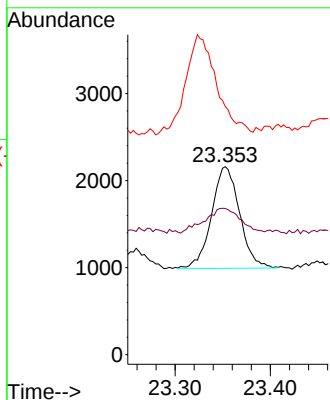


#39
Benzo(a)pyrene
Concen: 0.027 ng
RT: 23.353 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-580-582

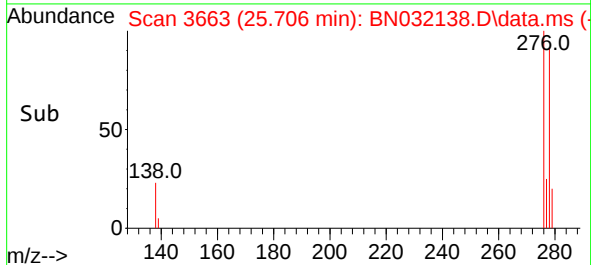
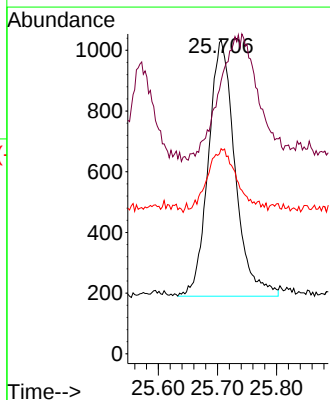
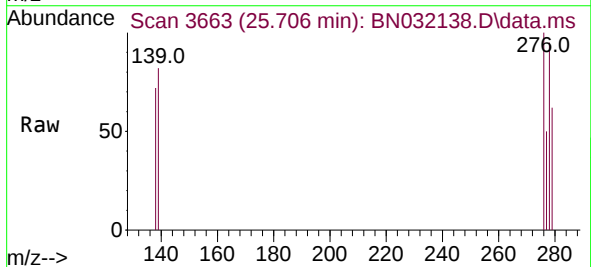


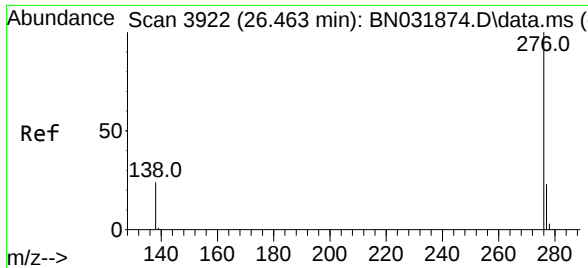
Tgt Ion:252 Resp: 2397
Ion Ratio Lower Upper
252 100
253 77.8 20.5 30.7#
125 132.1 16.4 24.6#



#40
Dibenzo(a,h)anthracene
Concen: 0.031 ng
RT: 25.706 min Scan# 3663
Delta R.T. 0.000 min
Lab File: BN032138.D
Acq: 21 Jun 2024 19:10

Tgt Ion:278 Resp: 2644
Ion Ratio Lower Upper
278 100
139 86.9 17.0 25.4#
279 65.4 21.4 32.0#





#41

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 26.376 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN032138.D

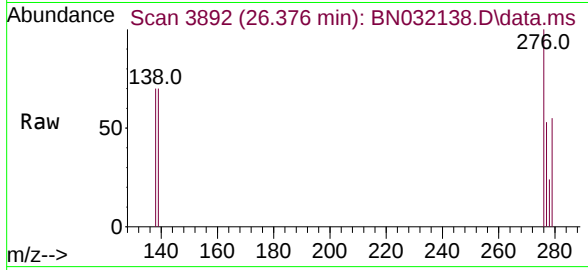
Acq: 21 Jun 2024 19:10

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-580-582



Tgt Ion:276 Resp: 2324

Ion Ratio Lower Upper

276 100

277 52.7 20.2 30.2#

138 69.8 20.6 31.0#

