

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032141.D
 Acq On : 21 Jun 2024 20:59
 Operator : MA/JU
 Sample : P3002-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-196-GW-640-642

Quant Time: Jun 22 00:34:29 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

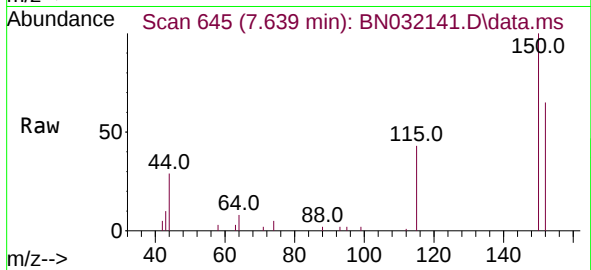
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.639	152	11681	0.400	ng	0.00
7) Naphthalene-d8	10.421	136	38899	0.400	ng	# 0.00
13) Acenaphthene-d10	14.274	164	20748	0.400	ng	-0.01
19) Phenanthrene-d10	17.029	188	47919	0.400	ng	# 0.00
29) Chrysene-d12	21.229	240	27055	0.400	ng	# 0.00
35) Perylene-d12	23.449	264	13406	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.248	112	8445	0.254	ng	0.00
5) Phenol-d6	6.830	99	8978	0.206	ng	0.00
8) Nitrobenzene-d5	8.798	82	7545	0.233	ng	0.00
11) 2-Methylnaphthalene-d10	12.009	152	16248	0.262	ng	-0.01
14) 2,4,6-Tribromophenol	15.787	330	3470	0.349	ng	0.00
15) 2-Fluorobiphenyl	12.895	172	26376	0.335	ng	-0.01
27) Fluoranthene-d10	19.068	212	33977	0.261	ng	0.00
31) Terphenyl-d14	19.667	244	27484	0.416	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.204	88	983	0.069	ng	# 22
3) n-Nitrosodimethylamine	3.486	42	336	0.025	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.397	198	3	0.175	ng	# 1
24) Pentachlorophenol	16.694	266	483	0.197	ng	# 1
25) Phenanthrene	17.066	178	3742	0.028	ng	# 96
26) Anthracene	17.165	178	5028	0.041	ng	98
28) Fluoranthene	19.096	202	9330	0.058	ng	97
30) Pyrene	19.463	202	7287	0.068	ng	98
32) Benzo(a)anthracene	21.211	228	9873	0.097	ng	96
33) Chrysene	21.265	228	10268	0.107	ng	96
34) Bis(2-ethylhexyl)phtha...	21.139	149	23885	0.343	ng	99
36) Indeno(1,2,3-cd)pyrene	25.694	276	5645	0.113	ng	98
37) Benzo(b)fluoranthene	22.780	252	8393	0.172	ng	# 58
38) Benzo(k)fluoranthene	22.826	252	7041	0.152	ng	# 51
39) Benzo(a)pyrene	23.353	252	4092	0.097	ng	# 8
40) Dibenzo(a,h)anthracene	25.706	278	5116	0.130	ng	# 66
41) Benzo(g,h,i)perylene	26.379	276	3918	0.093	ng	# 70

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

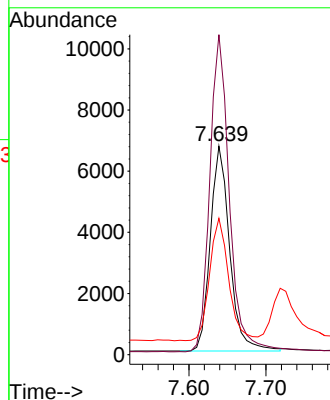
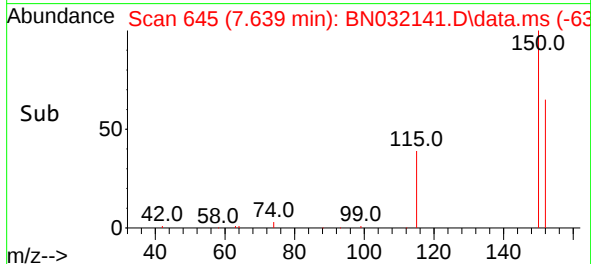


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.639 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN032141.D
 Acq: 21 Jun 2024 20:59

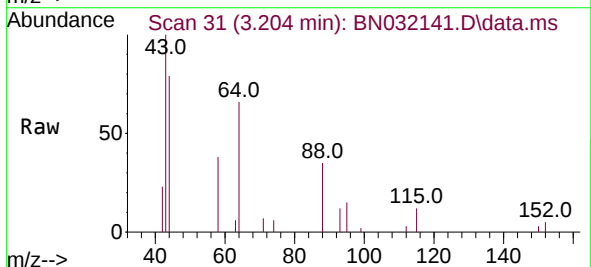
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-196-GW-640-642



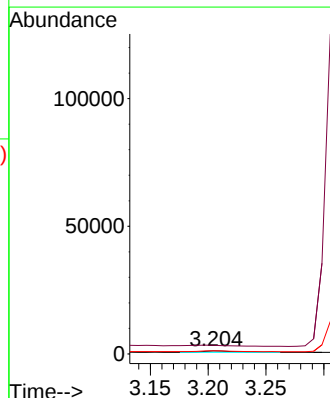
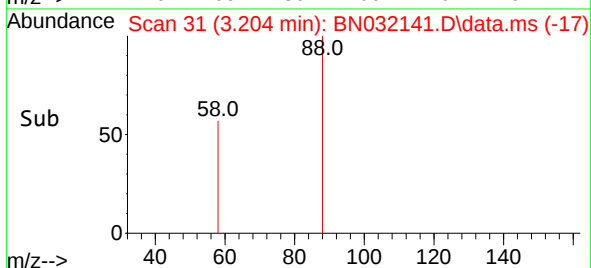
Tgt Ion:152 Resp: 11681
 Ion Ratio Lower Upper
 152 100
 150 153.5 121.0 181.4
 115 65.4 49.4 74.0



#2
 1,4-Dioxane
 Concen: 0.069 ng
 RT: 3.204 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BN032141.D
 Acq: 21 Jun 2024 20:59



Tgt Ion: 88 Resp: 983
 Ion Ratio Lower Upper
 88 100
 43 149.4 22.7 34.1#
 58 73.2 51.3 76.9





#3

n-Nitrosodimethylamine

Concen: 0.025 ng

RT: 3.486 min Scan# 70

Delta R.T. -0.029 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-640-642

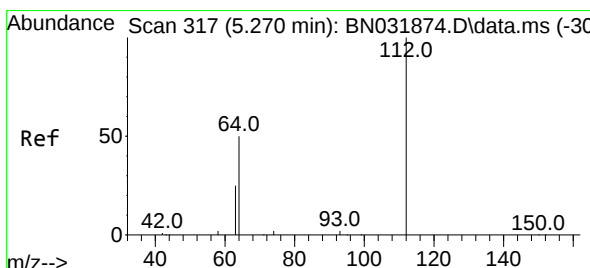
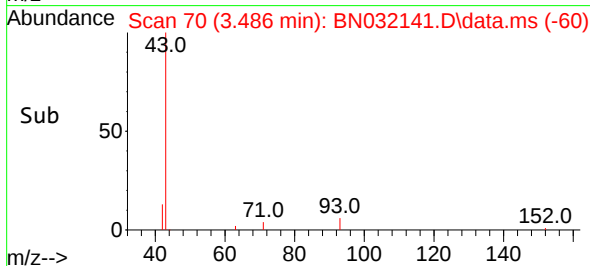
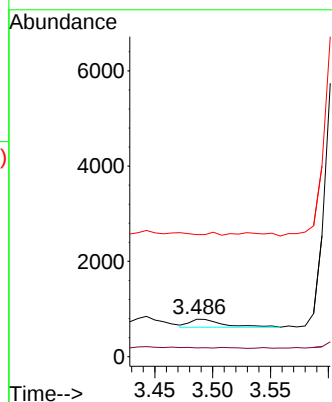
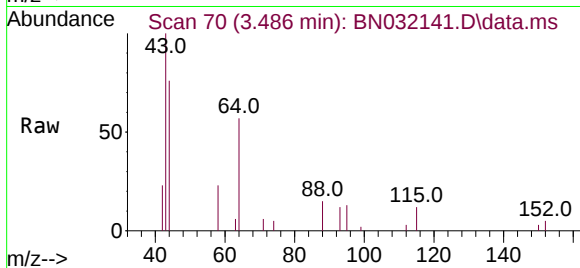
Tgt Ion: 42 Resp: 336

Ion Ratio Lower Upper

42 100

74 0.0 125.2 187.8#

44 0.0 6.9 10.3#



#4

2-Fluorophenol

Concen: 0.254 ng

RT: 5.248 min Scan# 314

Delta R.T. 0.000 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

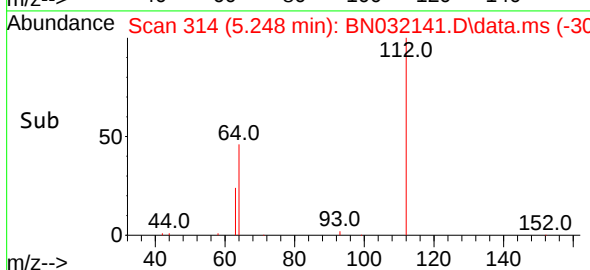
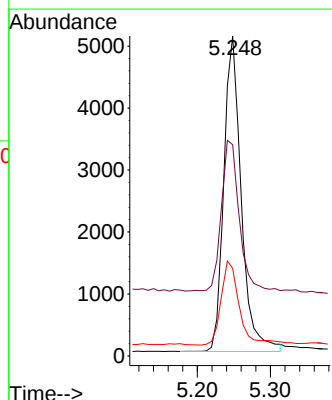
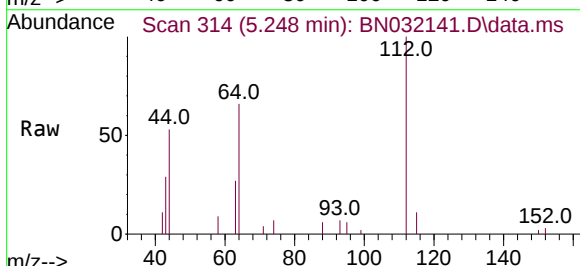
Tgt Ion: 112 Resp: 8445

Ion Ratio Lower Upper

112 100

64 48.2 42.4 63.6

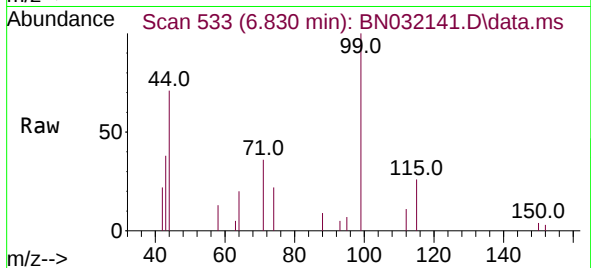
63 28.0 22.1 33.1



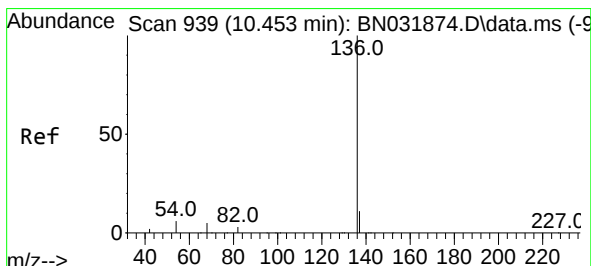
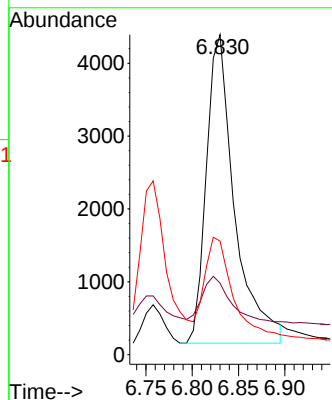
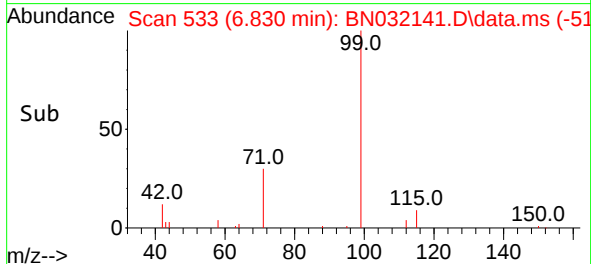


#5
Phenol-d6
Concen: 0.206 ng
RT: 6.830 min Scan# 511
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

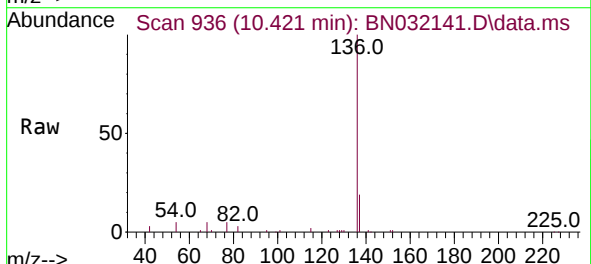
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-640-642



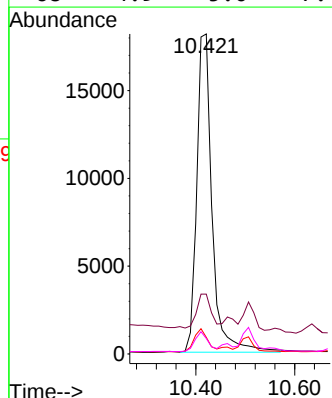
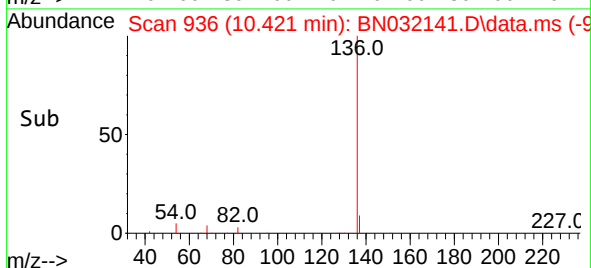
Tgt Ion: 99 Resp: 8978
Ion Ratio Lower Upper
99 100
42 14.2 12.8 19.2
71 29.5 25.4 38.2

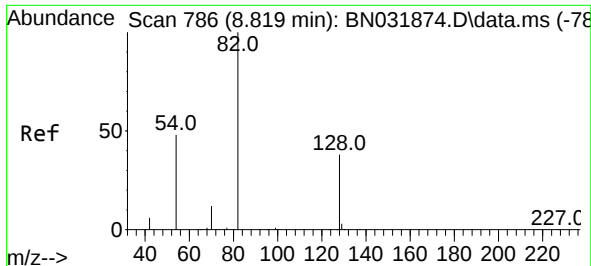


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.421 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59



Tgt Ion: 136 Resp: 38899
Ion Ratio Lower Upper
136 100
137 18.7 8.9 13.3#
54 5.2 5.6 8.4#
68 4.9 5.0 7.4#

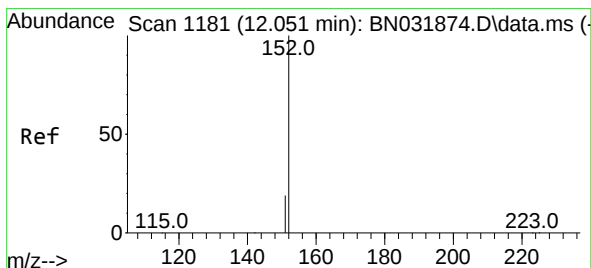
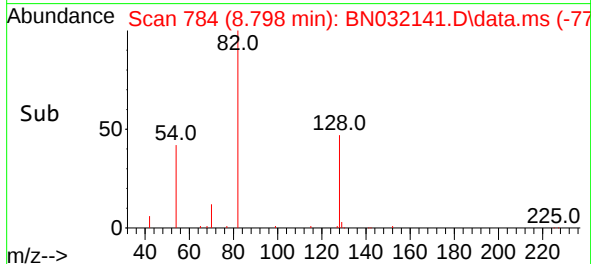
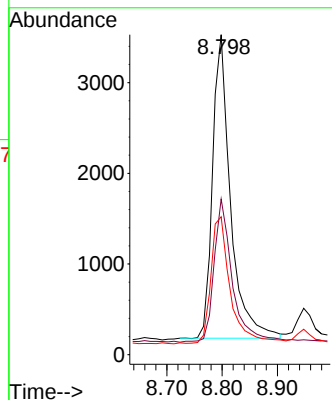
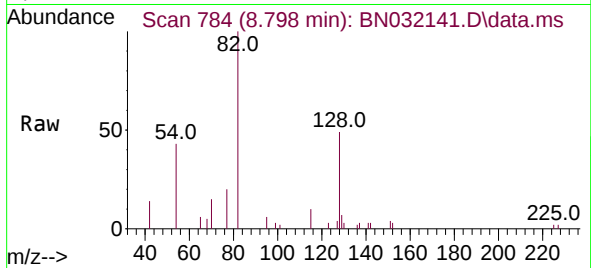




#8
Nitrobenzene-d5
Concen: 0.233 ng
RT: 8.798 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

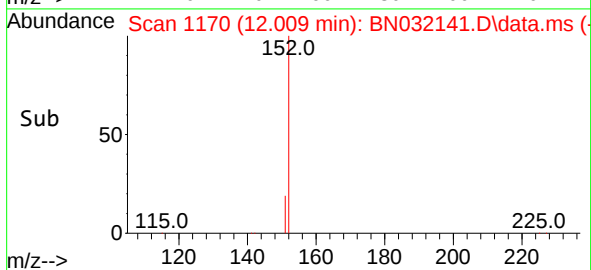
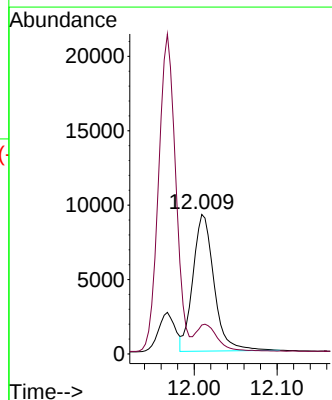
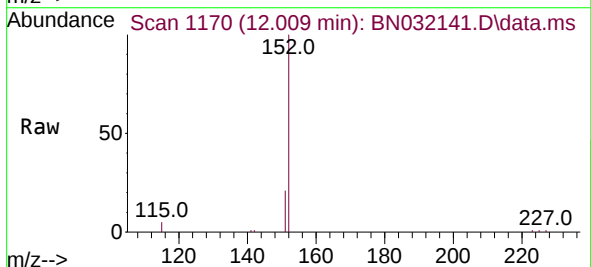
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-640-642

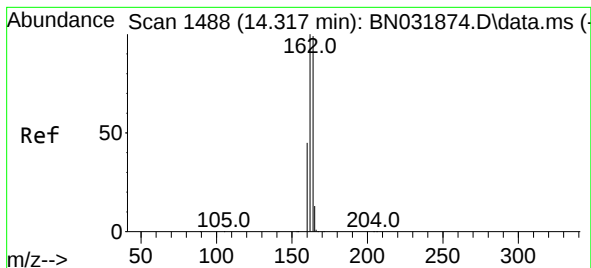
Tgt Ion: 82 Resp: 7545
Ion Ratio Lower Upper
82 100
128 48.7 32.1 48.1#
54 43.1 39.7 59.5



#11
2-Methylnaphthalene-d10
Concen: 0.262 ng
RT: 12.009 min Scan# 1170
Delta R.T. -0.011 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

Tgt Ion:152 Resp: 16248
Ion Ratio Lower Upper
152 100
151 19.4 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: BN032141.D

Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-640-642

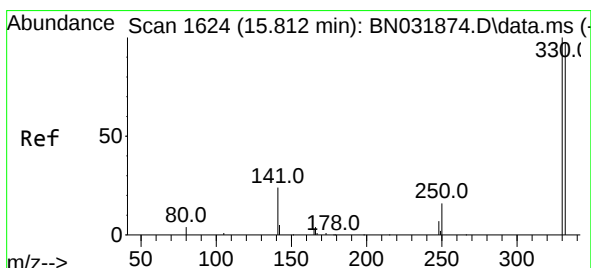
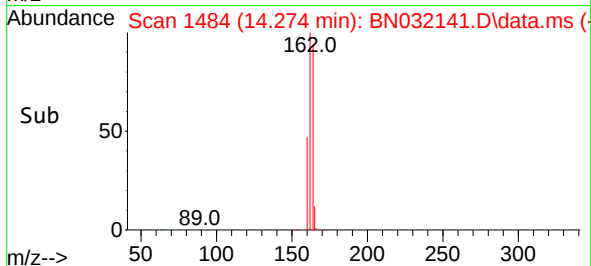
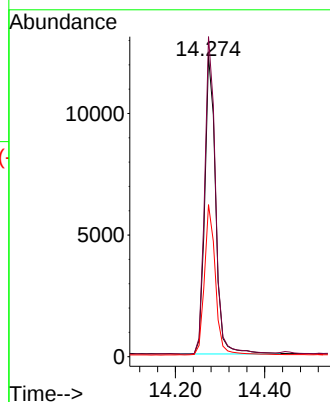
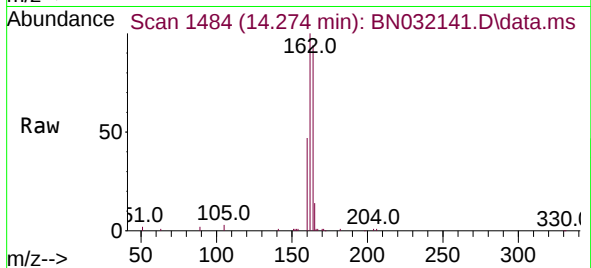
Tgt Ion:164 Resp: 20748

Ion Ratio Lower Upper

164 100

162 106.6 80.7 121.1

160 50.6 36.2 54.4



#14

2,4,6-Tribromophenol

Concen: 0.349 ng

RT: 15.787 min Scan# 1622

Delta R.T. 0.000 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

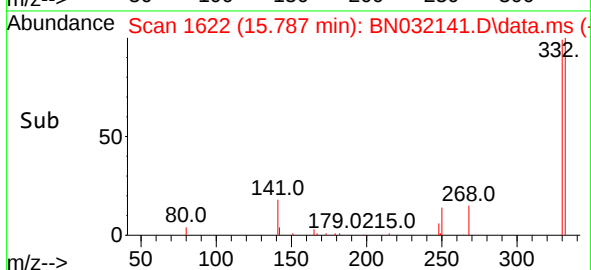
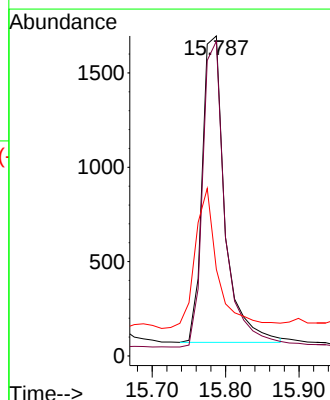
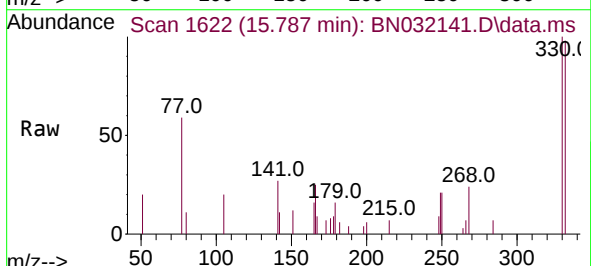
Tgt Ion:330 Resp: 3470

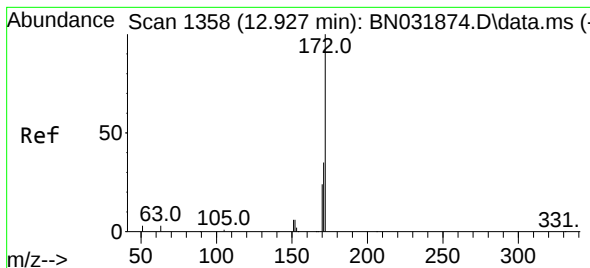
Ion Ratio Lower Upper

330 100

332 99.7 77.5 116.3

141 47.1 34.7 52.1





#15

2-Fluorobiphenyl

Concen: 0.335 ng

RT: 12.895 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

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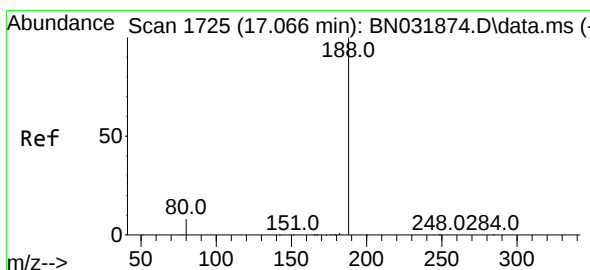
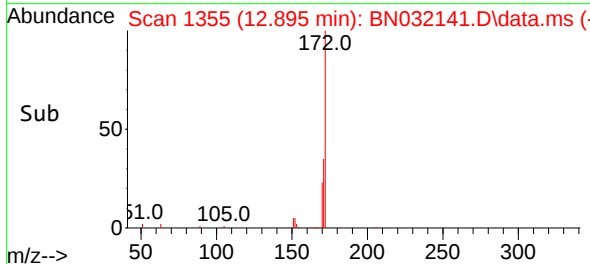
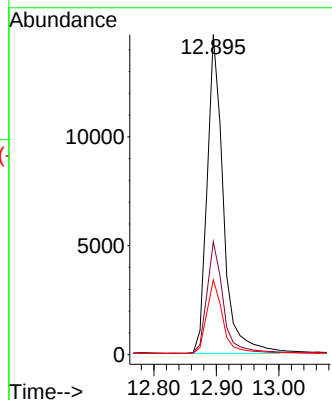
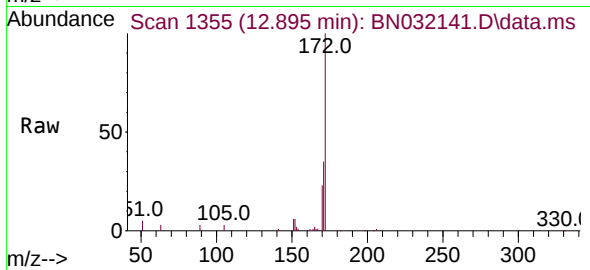
Tgt Ion:172 Resp: 26376

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.4 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: BN032141.D

Acq: 21 Jun 2024 20:59

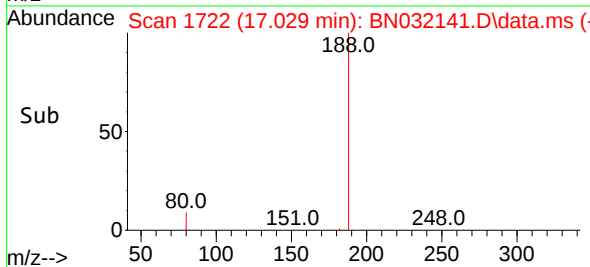
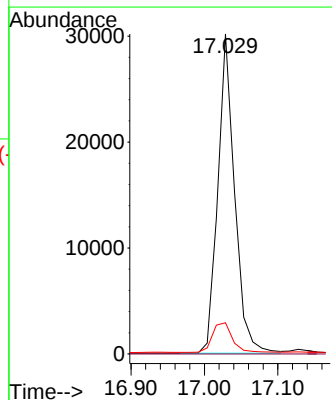
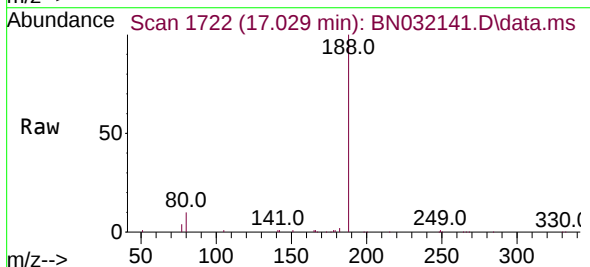
Tgt Ion:188 Resp: 47919

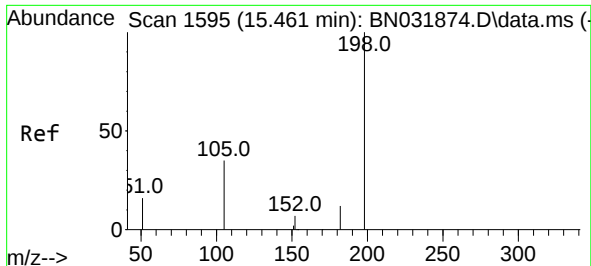
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 6.4 9.6#

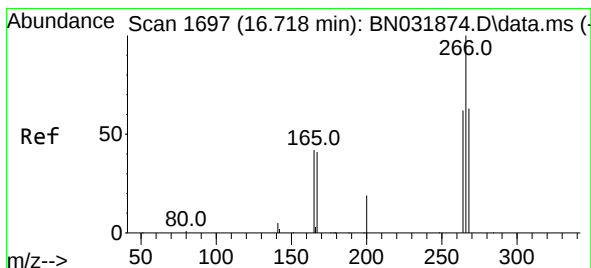
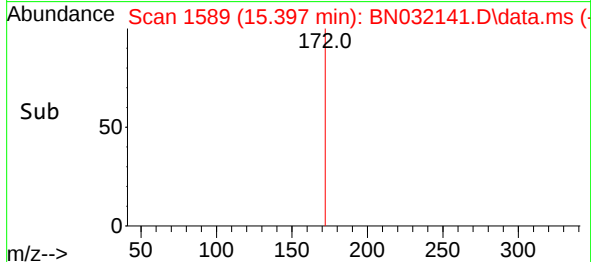
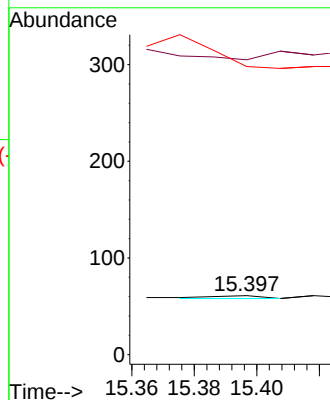
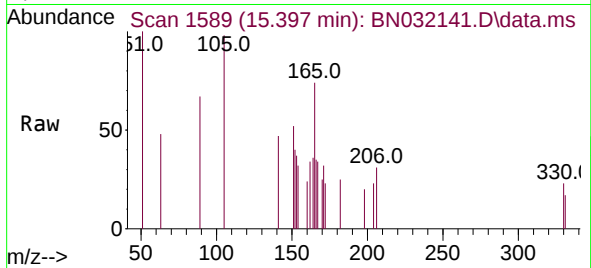




#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.397 min Scan# 1589
Delta R.T. -0.043 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

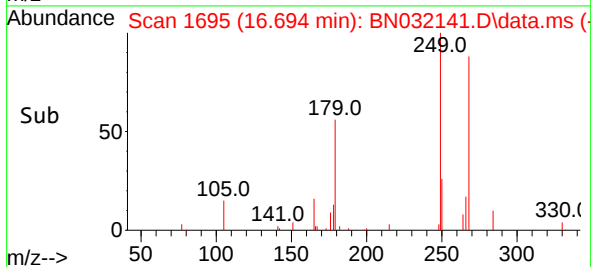
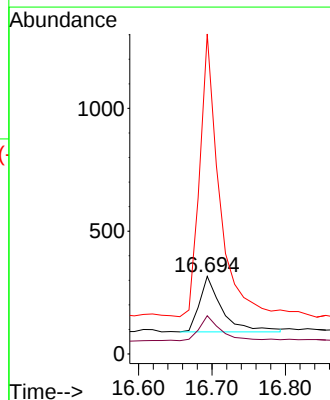
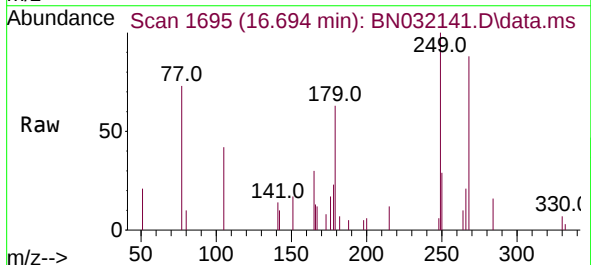
Instrument :
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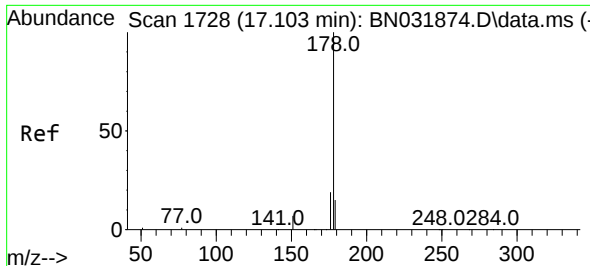
Tgt Ion:198 Resp: 3
Ion Ratio Lower Upper
198 100
51 500.0 42.7 64.1#
105 488.5 41.8 62.8#



#24
Pentachlorophenol
Concen: 0.197 ng
RT: 16.694 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

Tgt Ion:266 Resp: 483
Ion Ratio Lower Upper
266 100
264 40.8 50.0 75.0#
268 440.6 51.0 76.6#

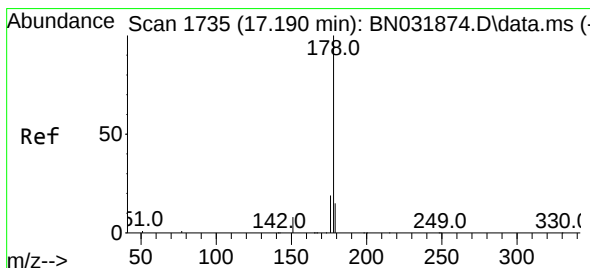
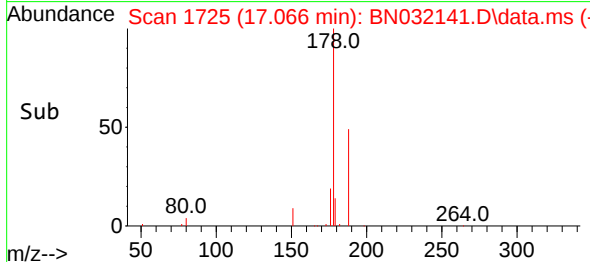
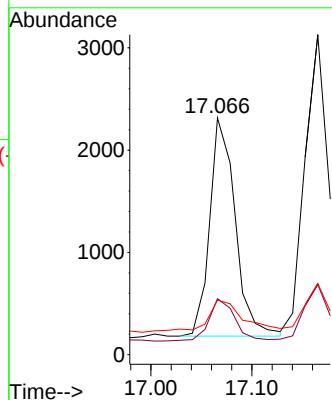
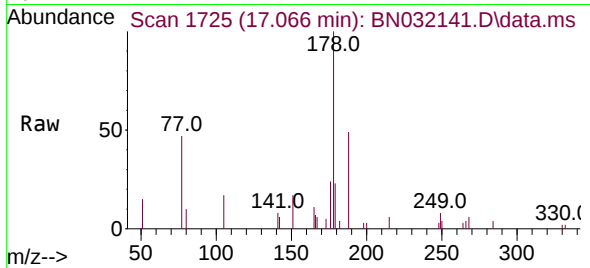




#25
Phenanthrene
Concen: 0.028 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.012 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

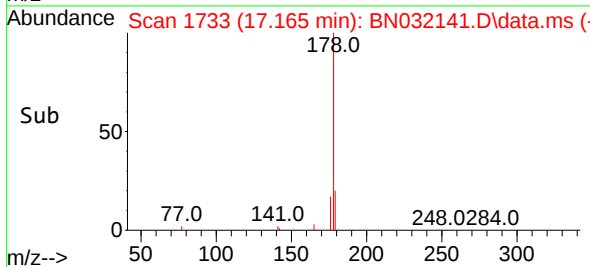
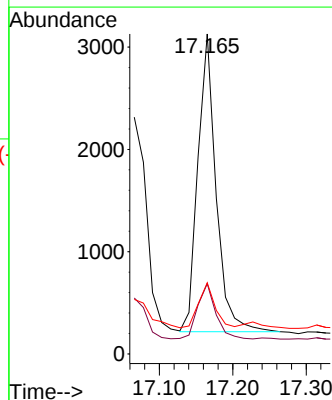
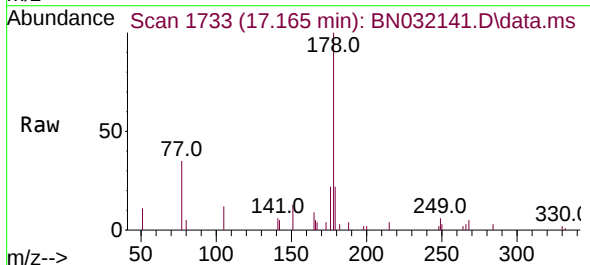
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-640-642

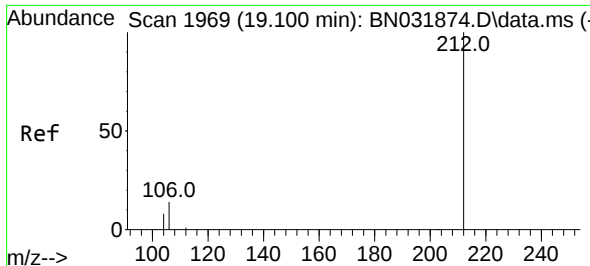
Tgt Ion:178 Resp: 3742
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 18.3 12.2 18.2#



#26
Anthracene
Concen: 0.041 ng
RT: 17.165 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

Tgt Ion:178 Resp: 5028
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 13.4 12.2 18.2

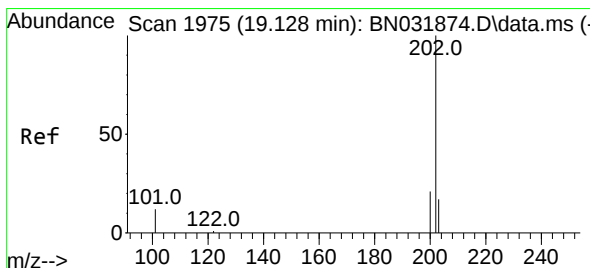
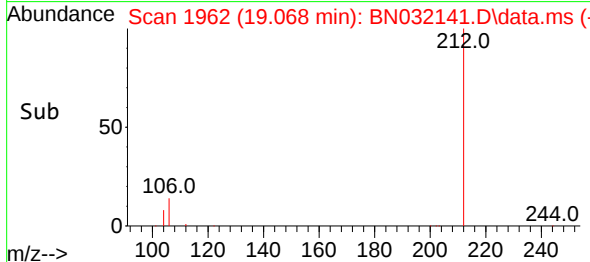
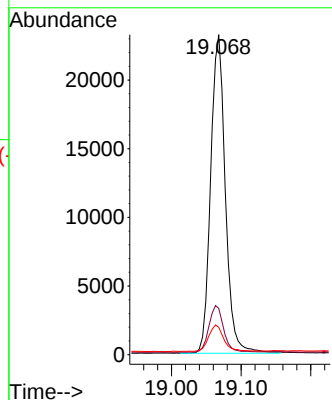
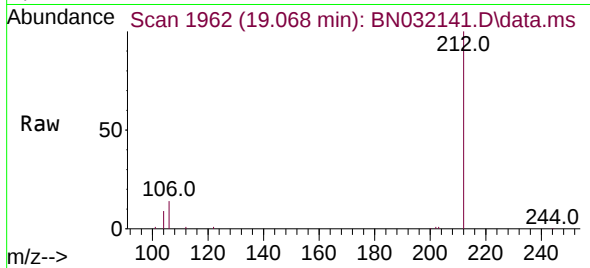




#27
Fluoranthene-d10
Concen: 0.261 ng
RT: 19.068 min Scan# 1968
Delta R.T. -0.005 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

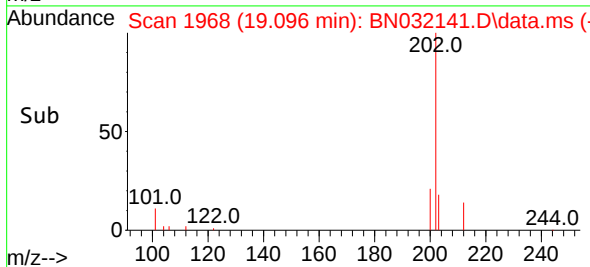
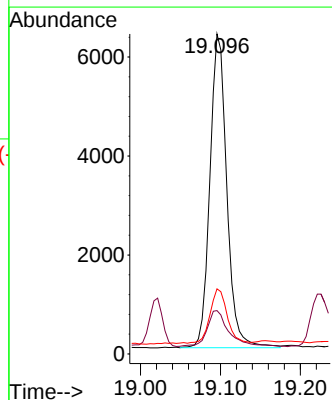
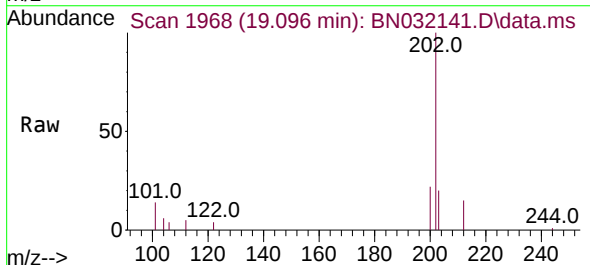
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-640-642

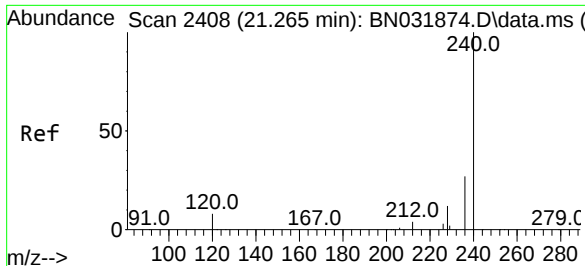
Tgt Ion:212 Resp: 33977
Ion Ratio Lower Upper
212 100
106 14.7 11.8 17.8
104 8.6 6.6 10.0



#28
Fluoranthene
Concen: 0.058 ng
RT: 19.096 min Scan# 1968
Delta R.T. -0.005 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

Tgt Ion:202 Resp: 9330
Ion Ratio Lower Upper
202 100
101 14.6 9.8 14.6
203 17.6 13.7 20.5

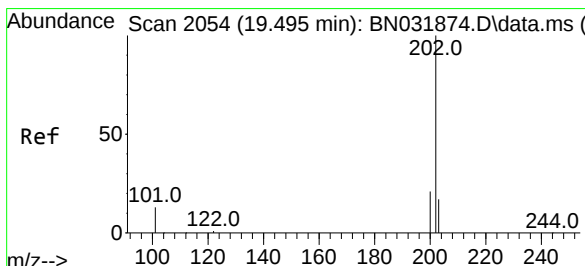
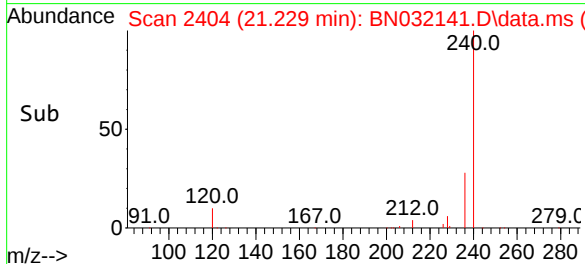
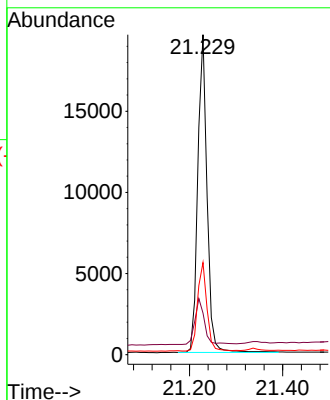
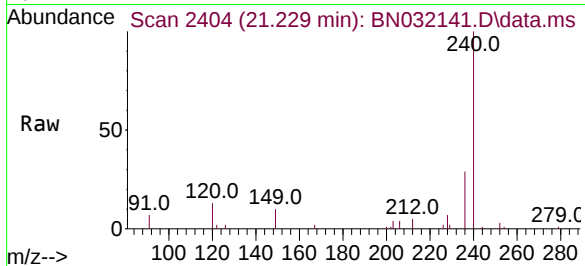




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.229 min Scan# 2404
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

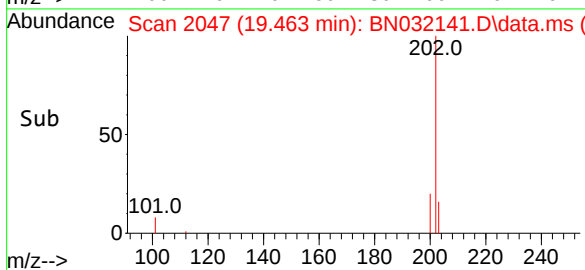
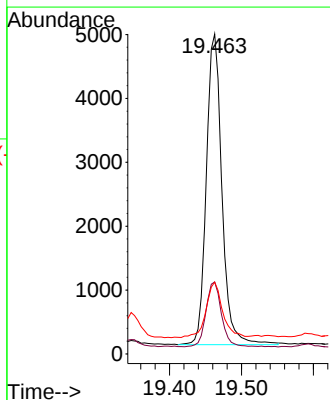
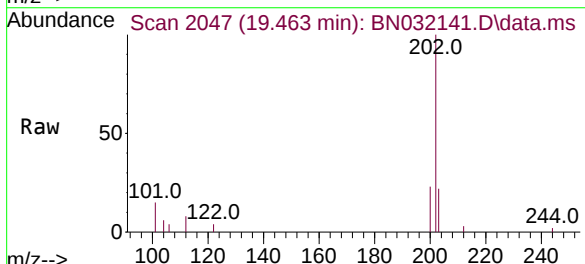
Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-640-642

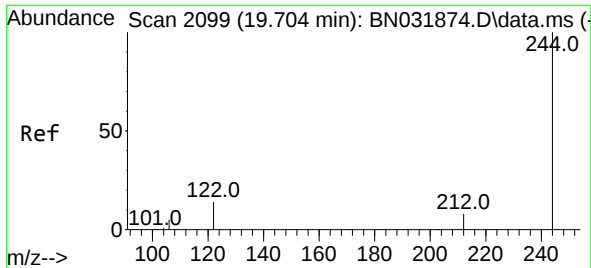
Tgt Ion:240 Resp: 27055
Ion Ratio Lower Upper
240 100
120 13.0 8.2 12.4#
236 28.8 21.8 32.8



#30
Pyrene
Concen: 0.068 ng
RT: 19.463 min Scan# 2047
Delta R.T. -0.005 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

Tgt Ion:202 Resp: 7287
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 19.2 14.3 21.5

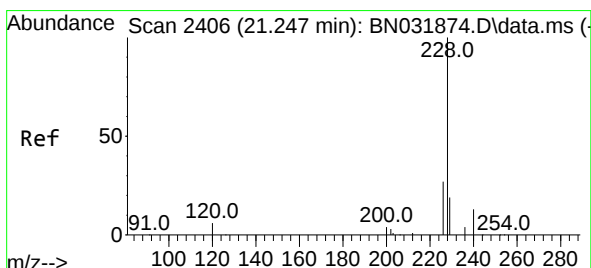
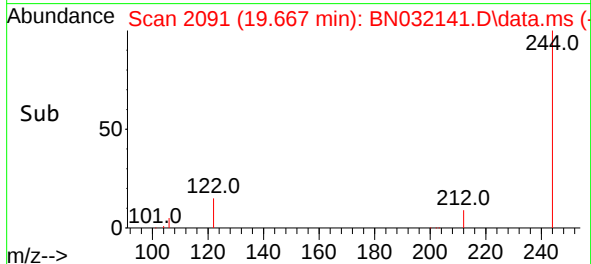
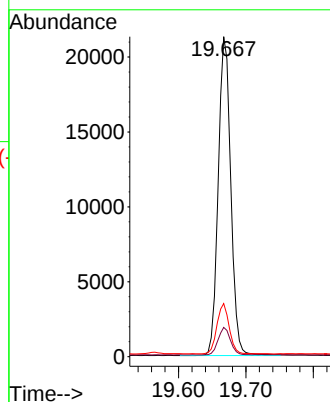
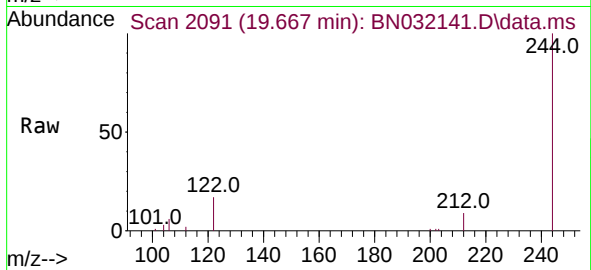




#31
 Terphenyl-d14
 Concen: 0.416 ng
 RT: 19.667 min Scan# 2099
 Delta R.T. -0.005 min
 Lab File: BN032141.D
 Acq: 21 Jun 2024 20:59

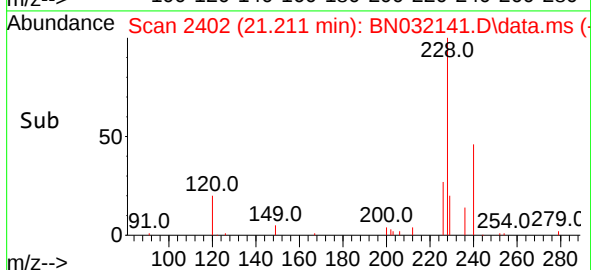
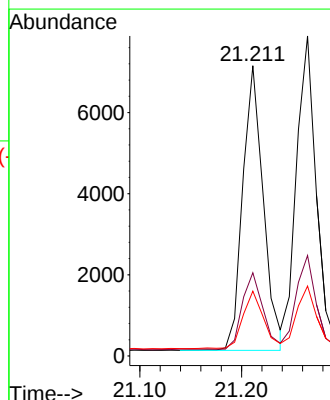
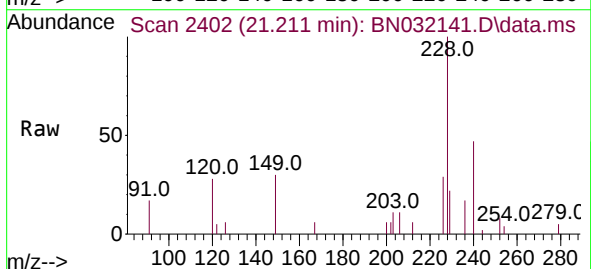
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-196-GW-640-642

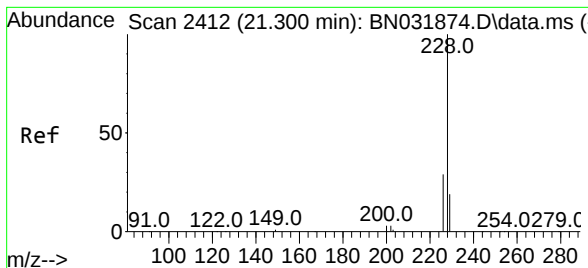
Tgt Ion:244 Resp: 27484
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.5 9.7
 122 16.6 11.4 17.0



#32
 Benzo(a)anthracene
 Concen: 0.097 ng
 RT: 21.211 min Scan# 2402
 Delta R.T. 0.000 min
 Lab File: BN032141.D
 Acq: 21 Jun 2024 20:59

Tgt Ion:228 Resp: 9873
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.6
 229 22.3 15.8 23.8





#33

Chrysene

Concen: 0.107 ng

RT: 21.265 min Scan# 2412

Delta R.T. 0.000 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-640-642

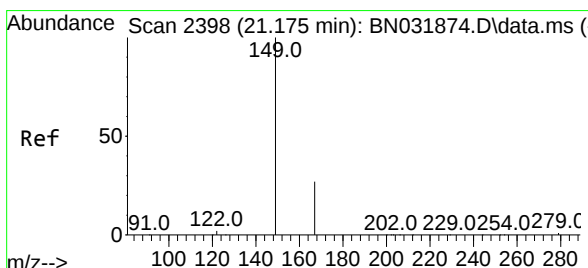
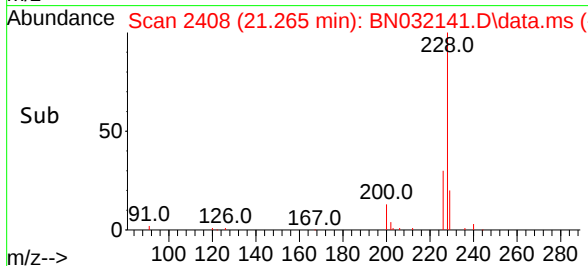
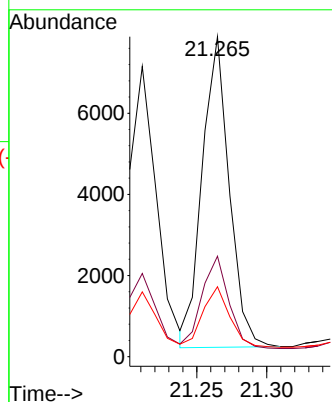
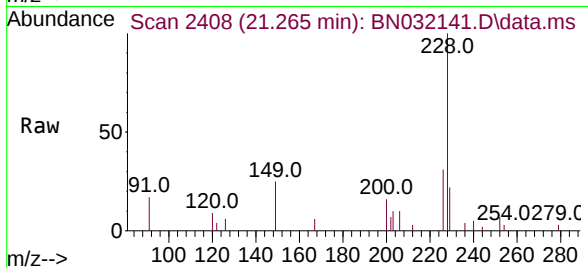
Tgt Ion:228 Resp: 10268

Ion Ratio Lower Upper

228 100

226 31.4 23.6 35.4

229 21.8 15.8 23.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.343 ng

RT: 21.139 min Scan# 2394

Delta R.T. -0.009 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

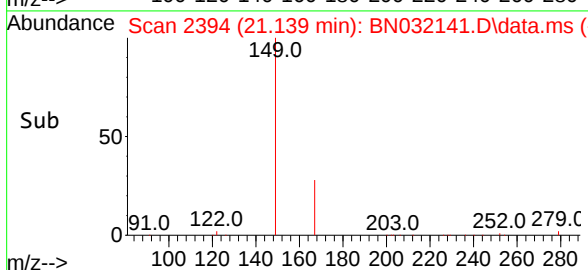
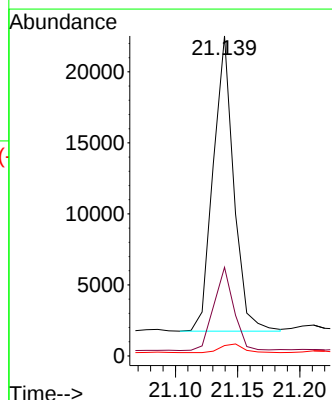
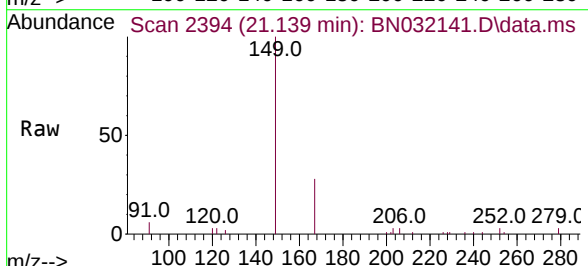
Tgt Ion:149 Resp: 23885

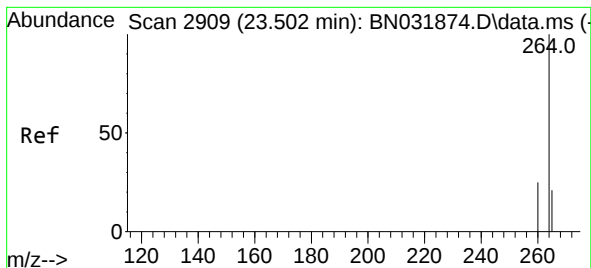
Ion Ratio Lower Upper

149 100

167 27.4 22.5 33.7

279 3.3 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: BN032141.D

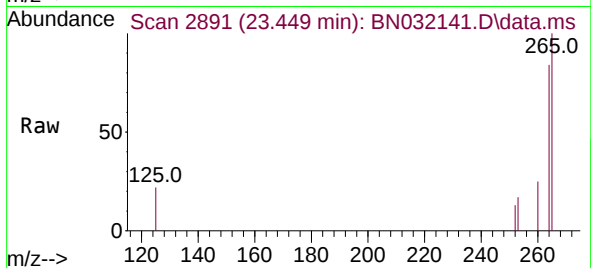
Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-640-642



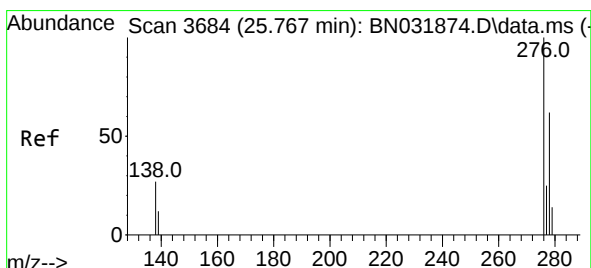
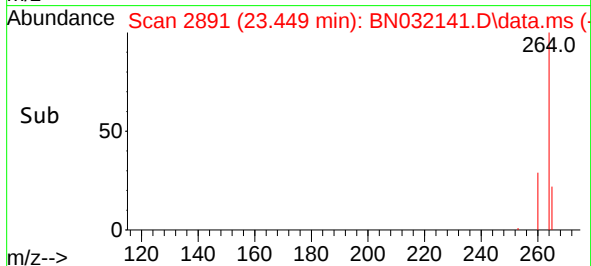
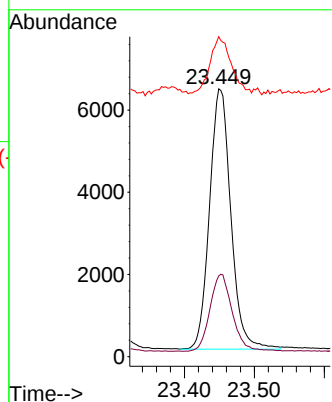
Tgt Ion:264 Resp: 13406

Ion Ratio Lower Upper

264 100

260 30.2 20.5 30.7

265 119.5 39.6 59.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.113 ng

RT: 25.694 min Scan# 3659

Delta R.T. 0.000 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

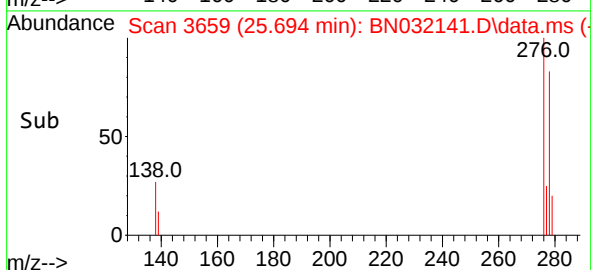
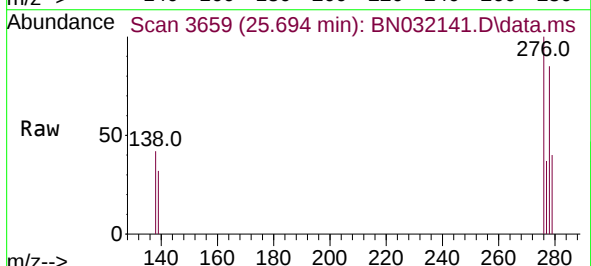
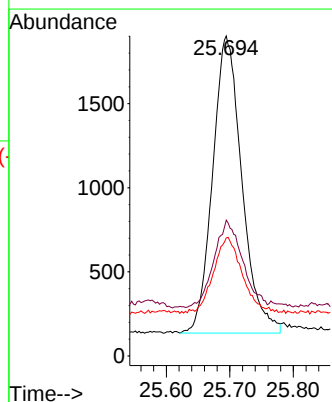
Tgt Ion:276 Resp: 5645

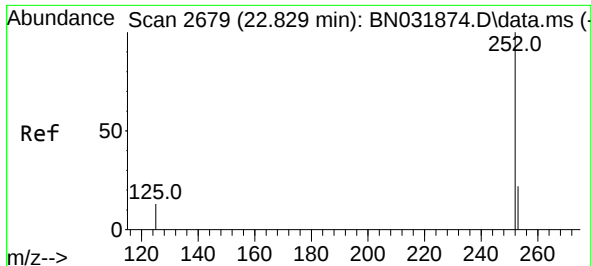
Ion Ratio Lower Upper

276 100

138 28.6 21.5 32.3

277 24.5 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.172 ng

RT: 22.780 min Scan# 2662

Delta R.T. -0.006 min

Lab File: BN032141.D

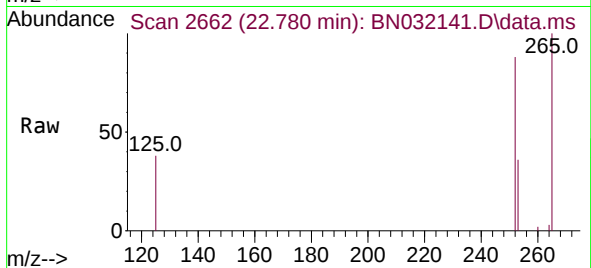
Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-640-642



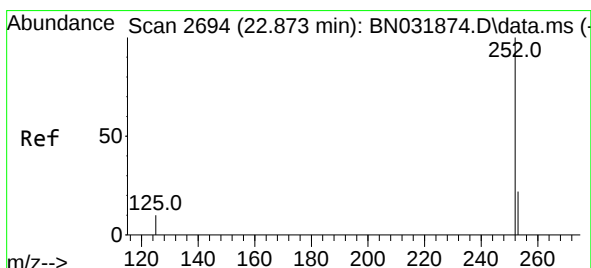
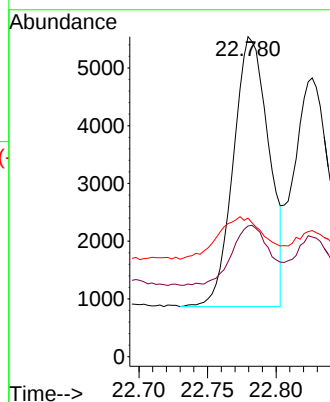
Tgt Ion:252 Resp: 8393

Ion Ratio Lower Upper

252 100

253 40.9 20.2 30.2#

125 43.3 14.2 21.4#



#38

Benzo(k)fluoranthene

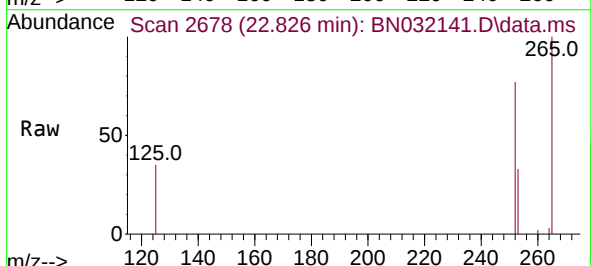
Concen: 0.152 ng

RT: 22.826 min Scan# 2678

Delta R.T. -0.003 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59



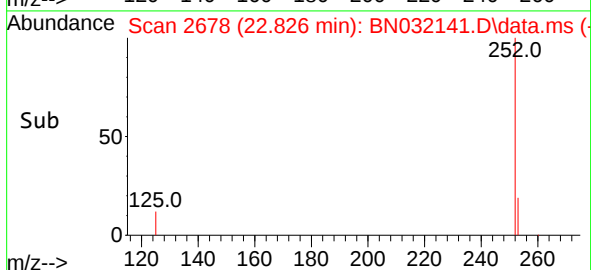
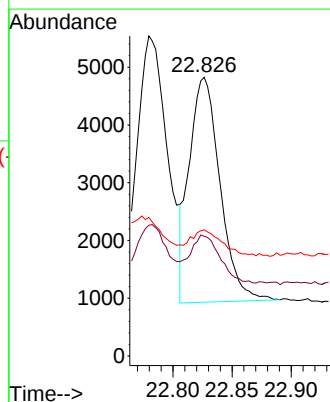
Tgt Ion:252 Resp: 7041

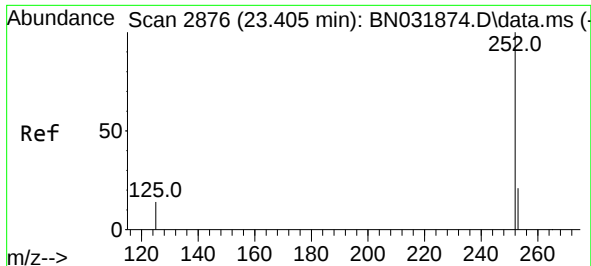
Ion Ratio Lower Upper

252 100

253 42.9 19.9 29.9#

125 45.2 13.0 19.4#





#39

Benzo(a)pyrene

Concen: 0.097 ng

RT: 23.353 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN032141.D

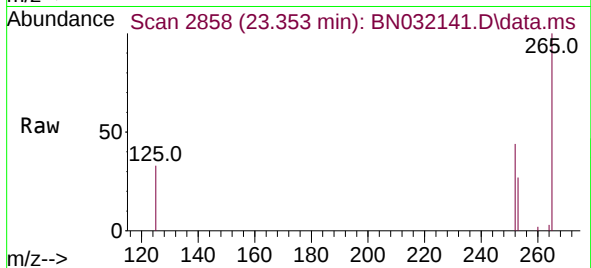
Acq: 21 Jun 2024 20:59

Instrument :

BNA_N

ClientSampleId :

BP-VPB-196-GW-640-642



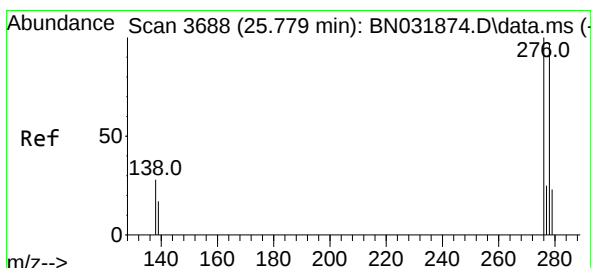
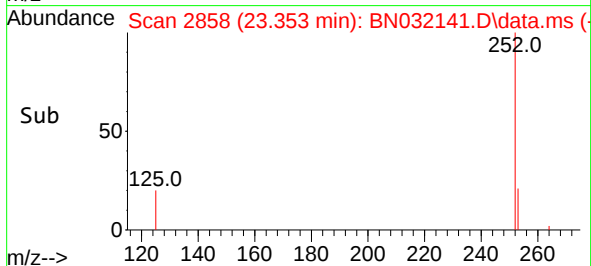
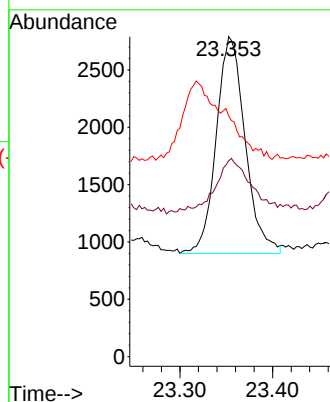
Tgt Ion:252 Resp: 4092

Ion Ratio Lower Upper

252 100

253 61.2 20.5 30.7#

125 75.3 16.4 24.6#



#40

Dibenzo(a,h)anthracene

Concen: 0.130 ng

RT: 25.706 min Scan# 3663

Delta R.T. 0.000 min

Lab File: BN032141.D

Acq: 21 Jun 2024 20:59

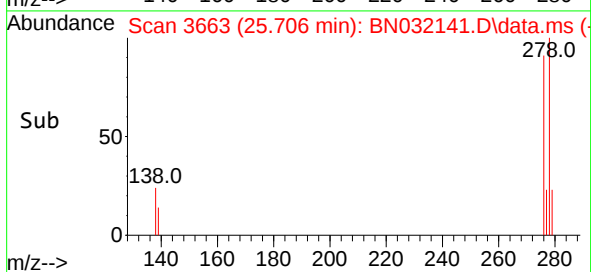
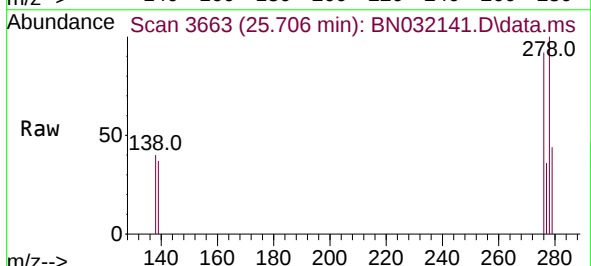
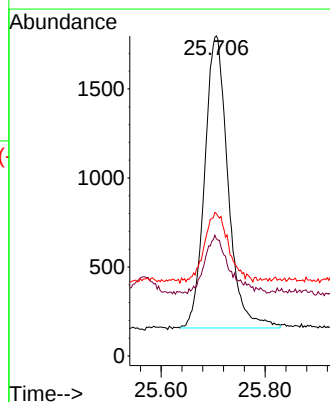
Tgt Ion:278 Resp: 5116

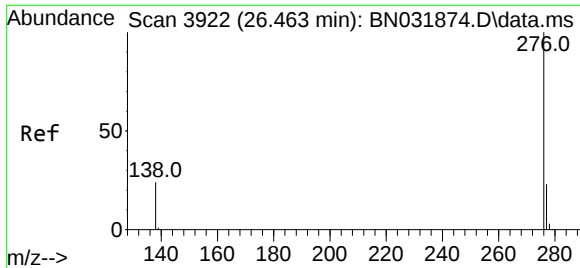
Ion Ratio Lower Upper

278 100

139 36.6 17.0 25.4#

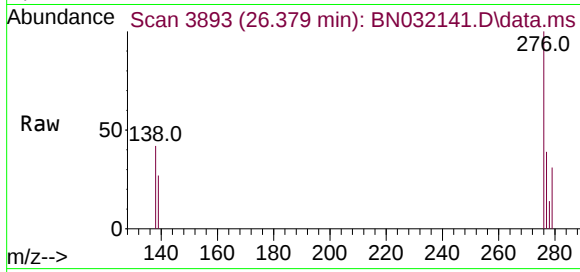
279 44.5 21.4 32.0#





#41
Benzo(g,h,i)perylene
Concen: 0.093 ng
RT: 26.379 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN032141.D
Acq: 21 Jun 2024 20:59

Instrument :
BNA_N
ClientSampleId :
BP-VPB-196-GW-640-642



Tgt Ion:276 Resp: 3918
Ion Ratio Lower Upper
276 100
277 39.1 20.2 30.2#
138 42.2 20.6 31.0#

