

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062124\
 Data File : BN032130.D
 Acq On : 21 Jun 2024 14:21
 Operator : MA/JU
 Sample : PB161619BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB161619BL

Quant Time: Jun 21 14:55:48 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	9110	0.400	ng	0.00
7) Naphthalene-d8	10.421	136	29616	0.400	ng	0.00
13) Acenaphthene-d10	14.285	164	18972	0.400	ng	0.00
19) Phenanthrene-d10	17.028	188	36066	0.400	ng	# 0.00
29) Chrysene-d12	21.238	240	24118	0.400	ng	# 0.00
35) Perylene-d12	23.457	264	23672	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.248	112	9399	0.363	ng	0.00
5) Phenol-d6	6.822	99	10833	0.319	ng	0.00
8) Nitrobenzene-d5	8.798	82	7880	0.320	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	16476	0.349	ng	0.00
14) 2,4,6-Tribromophenol	15.787	330	1892	0.208	ng	0.00
15) 2-Fluorobiphenyl	12.905	172	26020	0.362	ng	0.00
27) Fluoranthene-d10	19.072	212	30904	0.315	ng	0.00
31) Terphenyl-d14	19.671	244	22371	0.379	ng	0.00
Target Compounds						
						Qvalue
20) 4,6-Dinitro-2-methylph...	15.493	198	4	0.175	ng	# 1
24) Pentachlorophenol	16.706	266	62	0.175	ng	# 44
25) Phenanthrene	17.078	178	3900	0.039	ng	97
26) Anthracene	17.165	178	5924	0.064	ng	99
28) Fluoranthene	19.100	202	9146	0.075	ng	99
30) Pyrene	19.467	202	9701	0.101	ng	99
32) Benzo(a)anthracene	21.220	228	14637	0.161	ng	97
33) Chrysene	21.273	228	14167	0.165	ng	97
36) Indeno(1,2,3-cd)pyrene	25.706	276	16159	0.183	ng	99
37) Benzo(b)fluoranthene	22.788	252	15927	0.185	ng	# 83
38) Benzo(k)fluoranthene	22.832	252	15036	0.184	ng	# 80
39) Benzo(a)pyrene	23.361	252	11939	0.160	ng	# 72
40) Dibenzo(a,h)anthracene	25.712	278	12310	0.177	ng	# 87
41) Benzo(g,h,i)perylene	26.390	276	12004	0.161	ng	# 89

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

BNA N

ClientSampleId :

PB161619BL

TIC: BN032130.D\data.ms

Abundance

Time-->

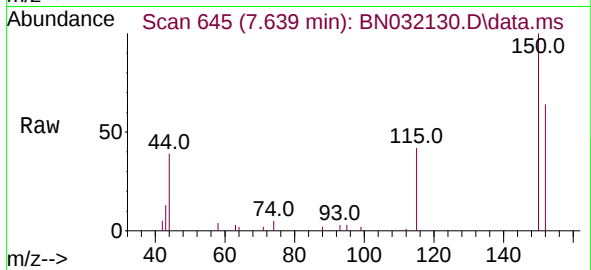
4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00

2-Fluorophenol,S
Phenol-d6,S
1,4-Dichlorobenzene-d4,l
Nitrobenzene-d5,S
Naphthalene-d8,l
2-Methylnaphthalene-d10,SURR
2-Fluorobiphenyl,S
Acenaphthene-d10,l
4,6-Dinitro-2-methylphenol
2,4,6-Tribromophenol,S
Pentachlorophenol
Phenanthrene
Phenanthrene-d10,l
Fluoranthene
Pyrene
Terphenyl-d14,S
Fluoranthene-d10,SURR
Chrysene
Benz[a]anthracene
Benzo(a)pyrene,C
Benzo(a)pyrene,d12,l
Dibenz(a,h)anthracene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene

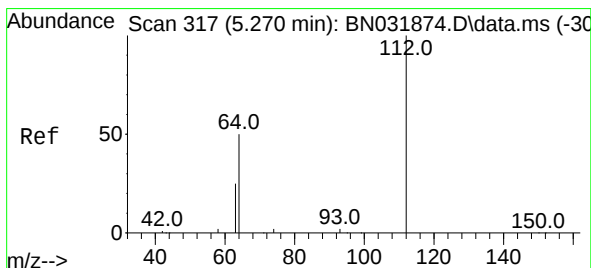
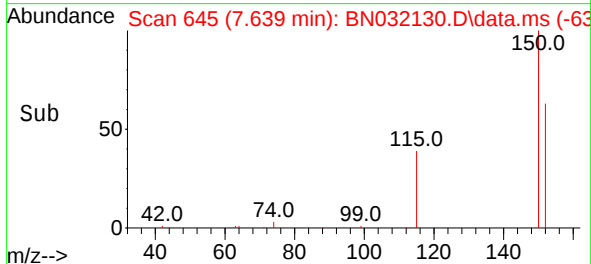
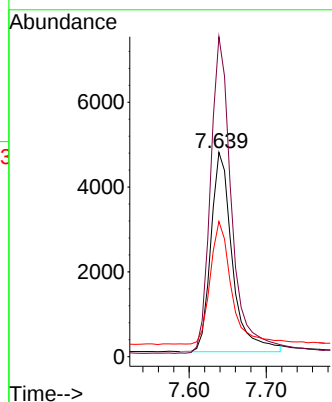


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.639 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

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BNA_N
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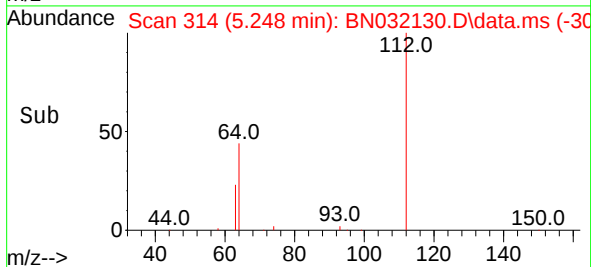
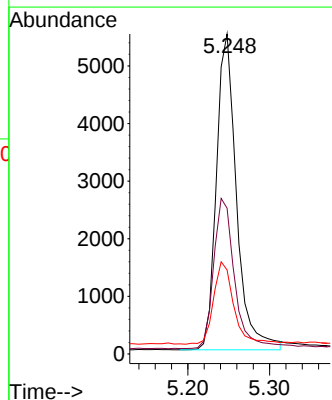
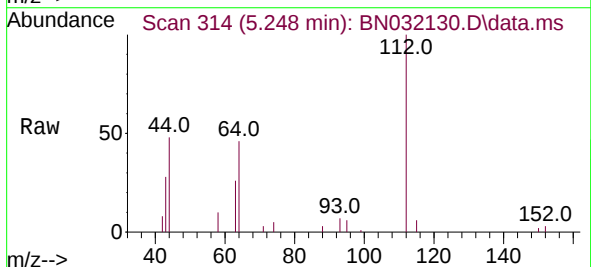


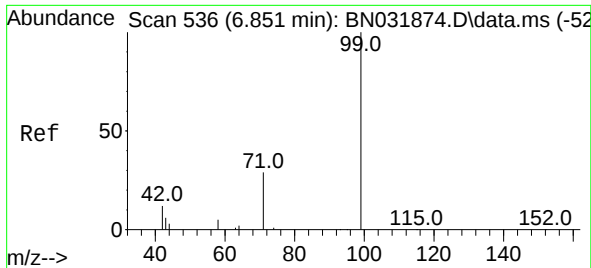
Tgt Ion:152 Resp: 9110
Ion Ratio Lower Upper
152 100
150 156.7 121.0 181.4
115 66.2 49.4 74.0



#4
2-Fluorophenol
Concen: 0.363 ng
RT: 5.248 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion:112 Resp: 9399
Ion Ratio Lower Upper
112 100
64 49.2 42.4 63.6
63 26.1 22.1 33.1

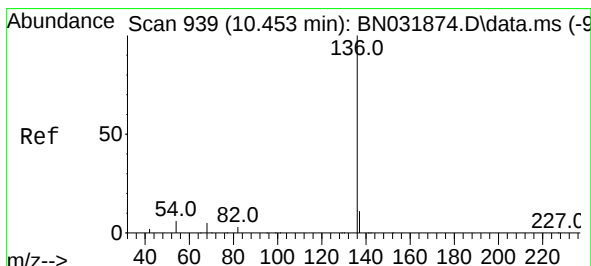
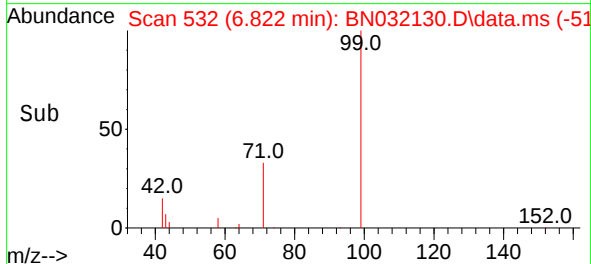
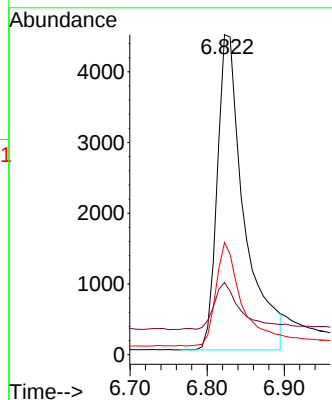
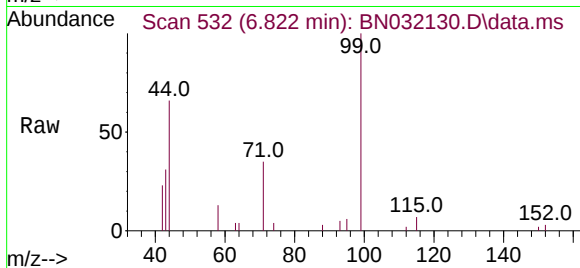




#5
Phenol-d6
Concen: 0.319 ng
RT: 6.822 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

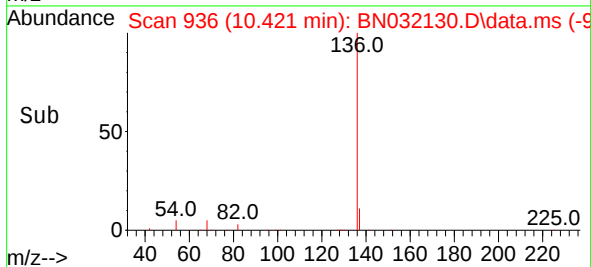
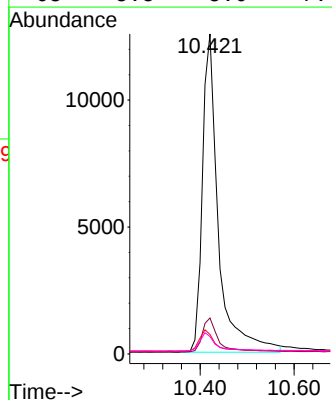
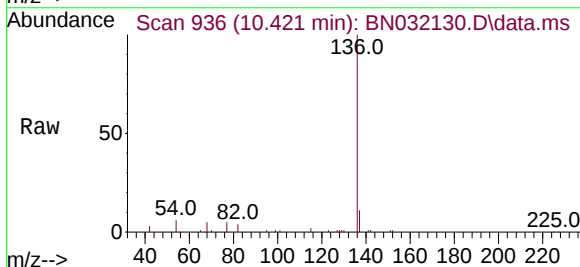
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BNA_N
ClientSampleId :
PB161619BL

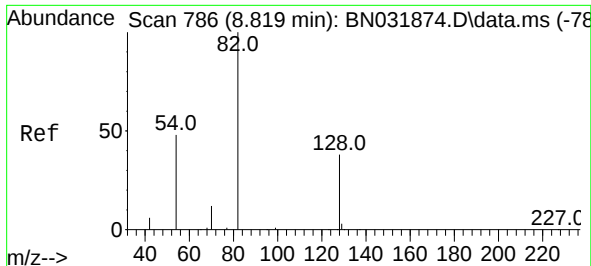
Tgt Ion: 99 Resp: 10833
Ion Ratio Lower Upper
99 100
42 14.6 12.8 19.2
71 31.7 25.4 38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.421 min Scan# 936
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion: 136 Resp: 29616
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.1 5.6 8.4
68 5.5 5.0 7.4

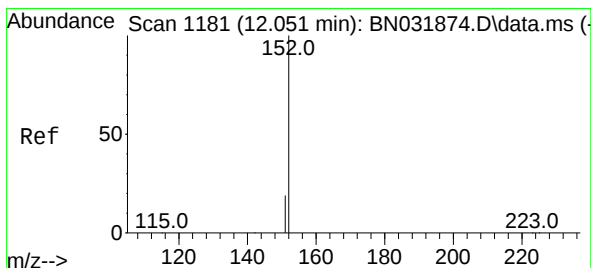
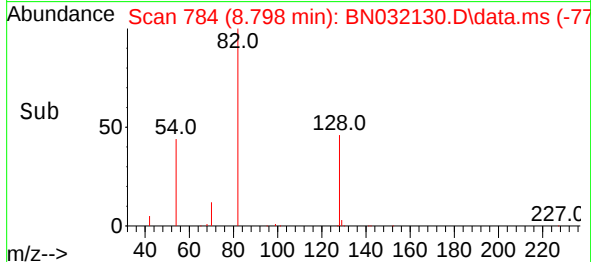
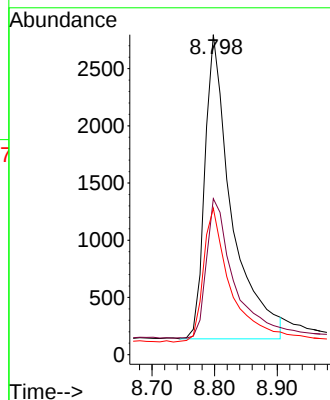
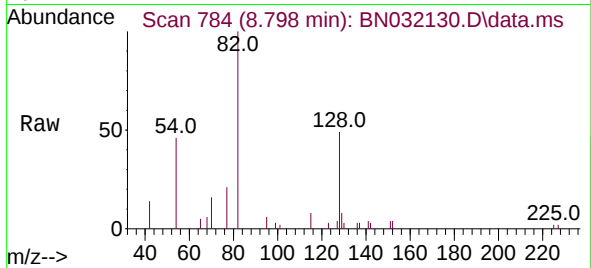




#8
Nitrobenzene-d5
Concen: 0.320 ng
RT: 8.798 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

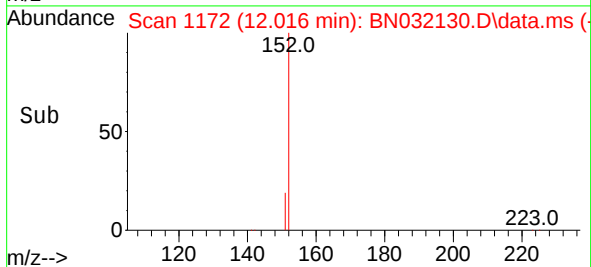
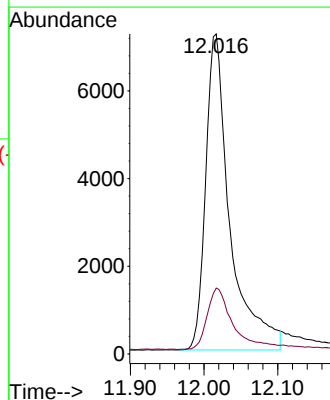
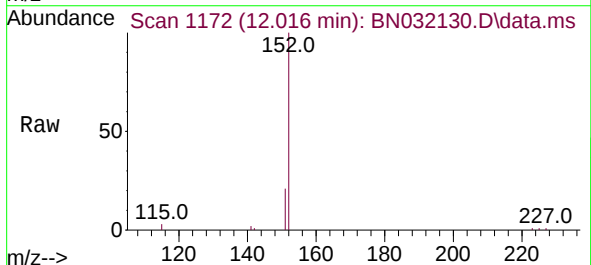
Instrument :
BNA_N
ClientSampleId :
PB161619BL

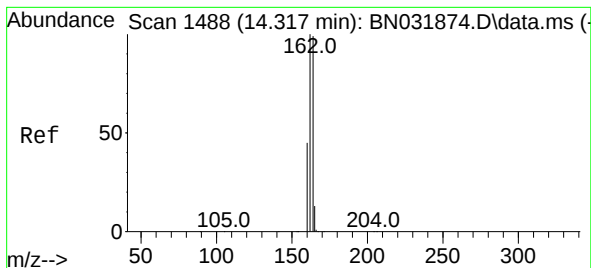
Tgt Ion: 82 Resp: 7880
Ion Ratio Lower Upper
82 100
128 48.7 32.1 48.1#
54 45.7 39.7 59.5



#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.016 min Scan# 1172
Delta R.T. -0.004 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion:152 Resp: 16476
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.285 min Scan# 1485

Delta R.T. -0.000 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL

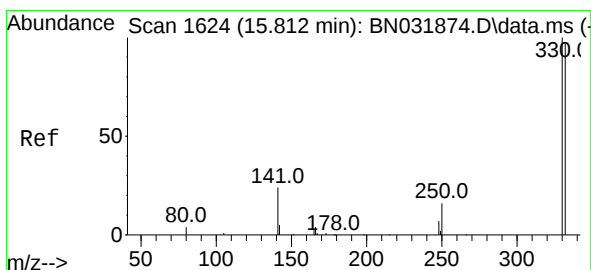
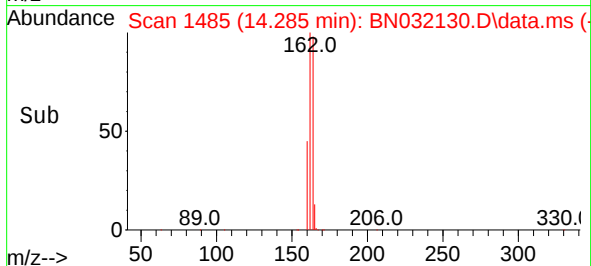
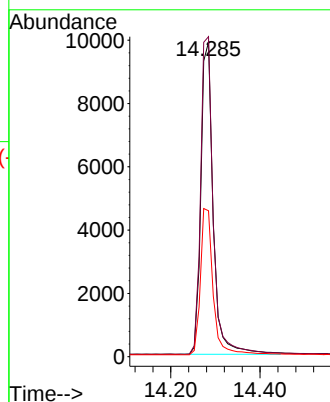
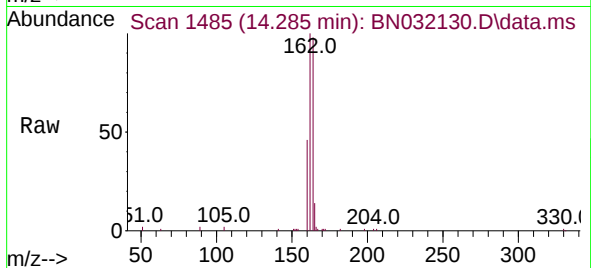
Tgt Ion:164 Resp: 18972

Ion Ratio Lower Upper

164 100

162 101.7 80.7 121.1

160 46.4 36.2 54.4



#14

2,4,6-Tribromophenol

Concen: 0.208 ng

RT: 15.787 min Scan# 1622

Delta R.T. -0.000 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

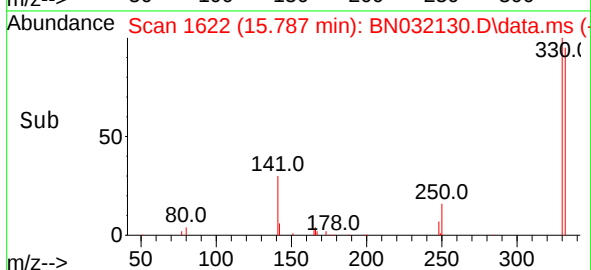
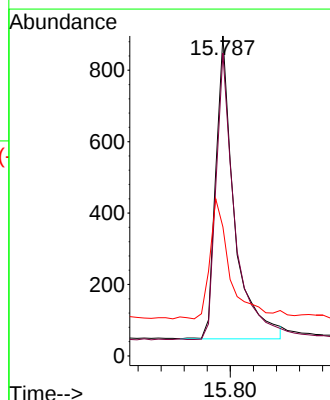
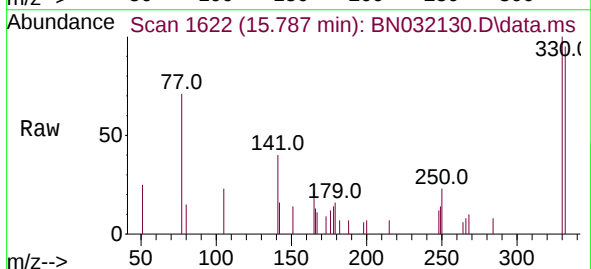
Tgt Ion:330 Resp: 1892

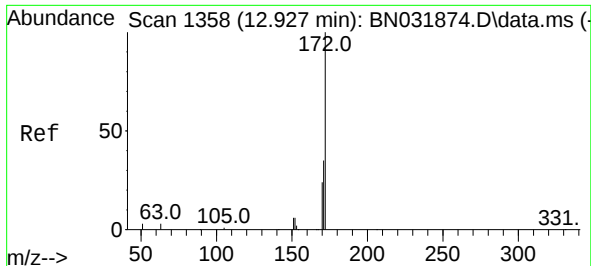
Ion Ratio Lower Upper

330 100

332 96.1 77.5 116.3

141 40.6 34.7 52.1





#15

2-Fluorobiphenyl

Concen: 0.362 ng

RT: 12.905 min Scan# 1356

Delta R.T. -0.000 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL

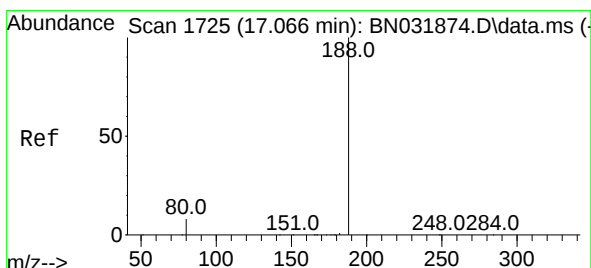
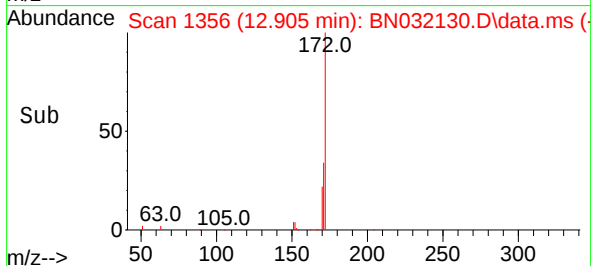
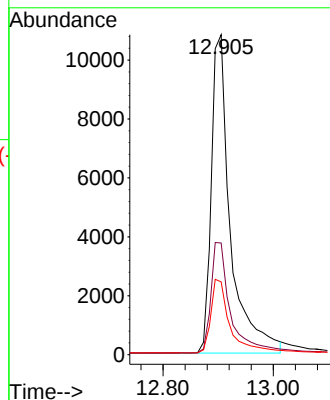
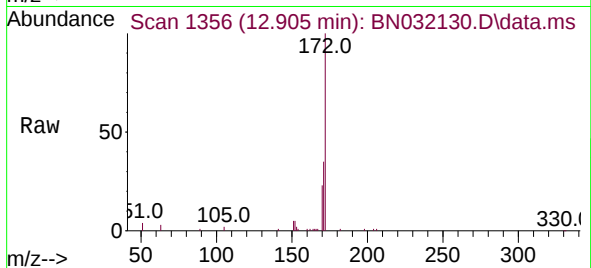
Tgt Ion:172 Resp: 26020

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 22.7 19.2 28.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.028 min Scan# 1722

Delta R.T. -0.000 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

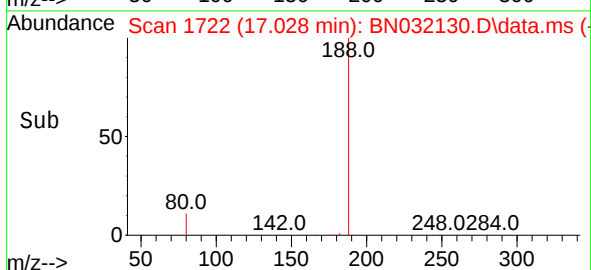
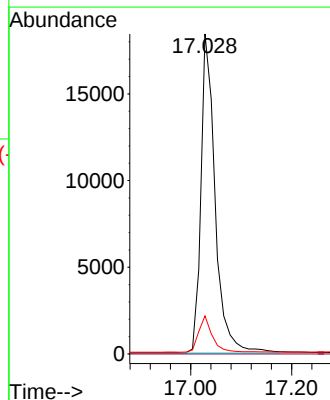
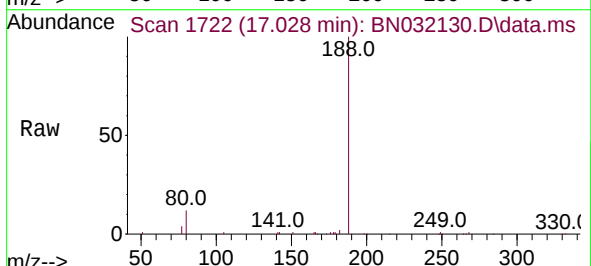
Tgt Ion:188 Resp: 36066

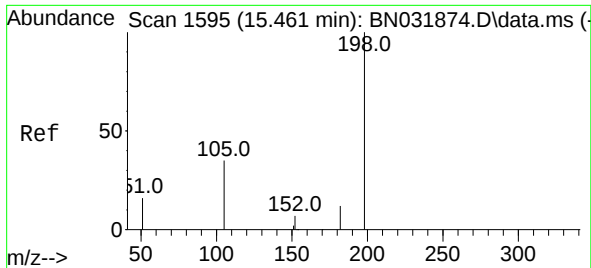
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.9 6.4 9.6#

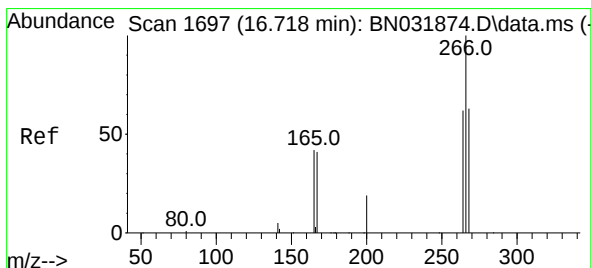
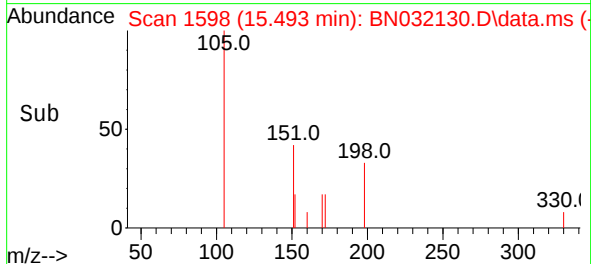
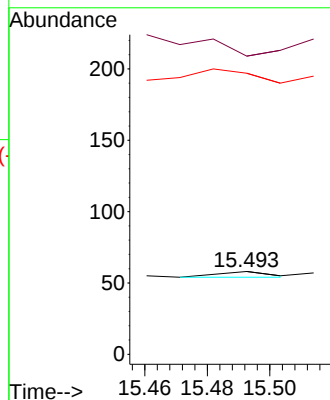
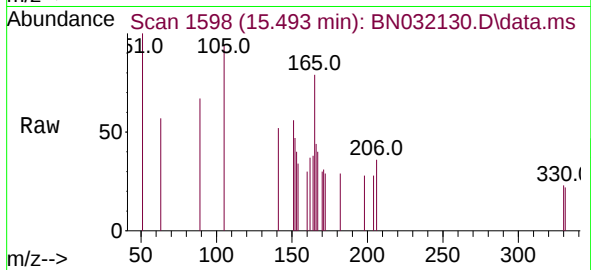




#20
4,6-Dinitro-2-methylphenol
Concen: 0.175 ng
RT: 15.493 min Scan# 1598
Delta R.T. 0.053 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

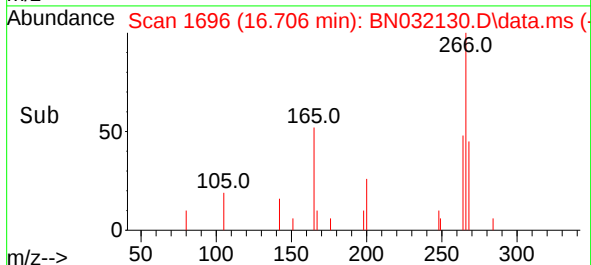
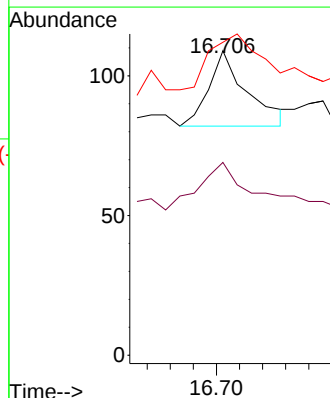
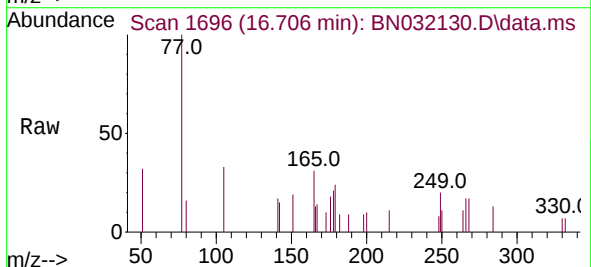
Instrument :
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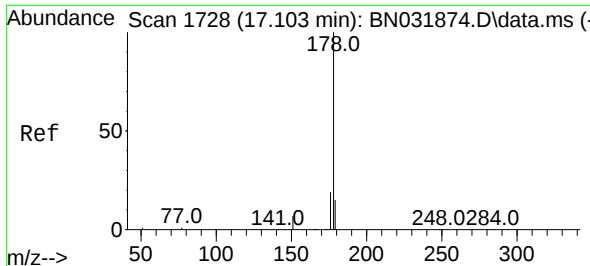
Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
51 360.3 42.7 64.1#
105 339.7 41.8 62.8#



#24
Pentachlorophenol
Concen: 0.175 ng
RT: 16.706 min Scan# 1696
Delta R.T. 0.012 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion:266 Resp: 62
Ion Ratio Lower Upper
266 100
264 88.7 50.0 75.0#
268 124.2 51.0 76.6#

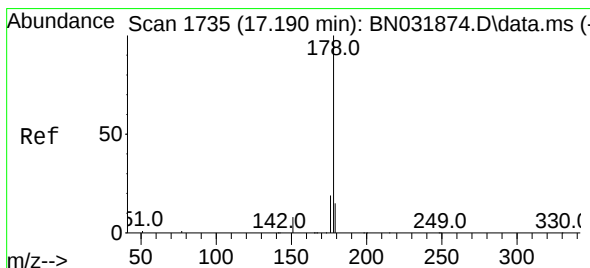
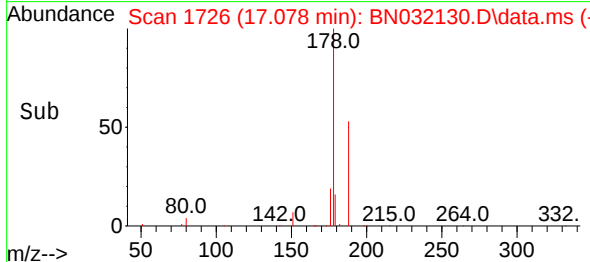
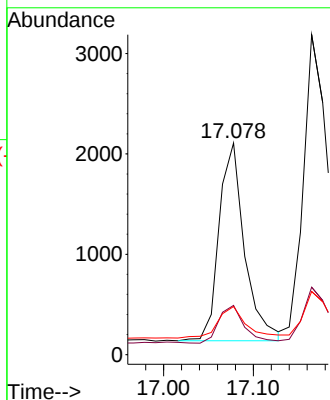
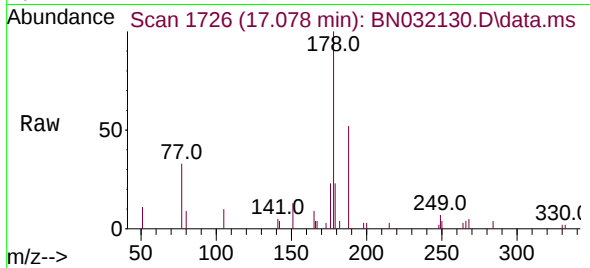




#25
Phenanthrene
Concen: 0.039 ng
RT: 17.078 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

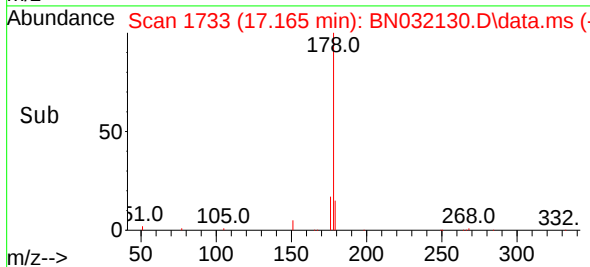
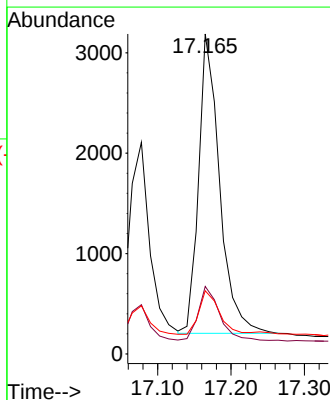
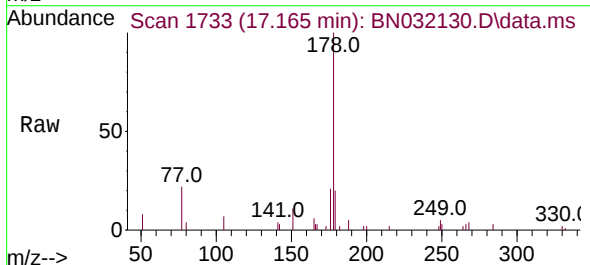
Instrument :
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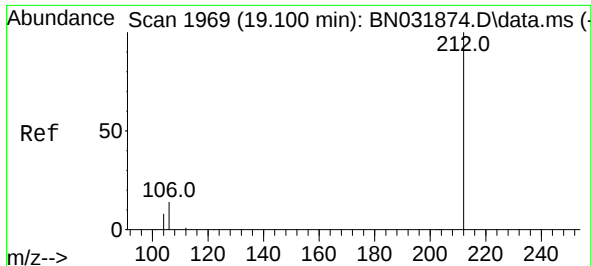
Tgt Ion:178 Resp: 3900
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 17.5 12.2 18.2



#26
Anthracene
Concen: 0.064 ng
RT: 17.165 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion:178 Resp: 5924
Ion Ratio Lower Upper
178 100
176 17.9 14.8 22.2
179 14.7 12.2 18.2

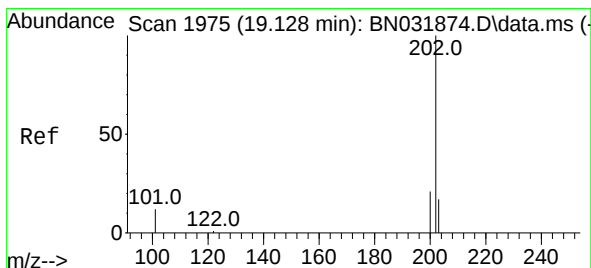
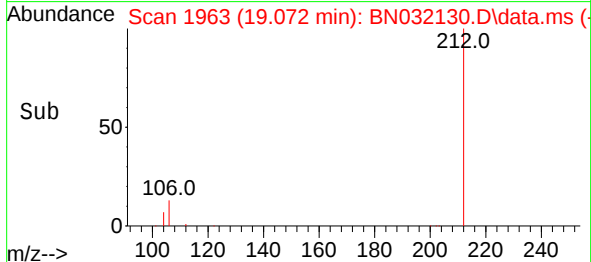
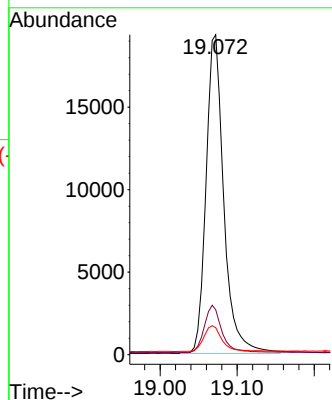
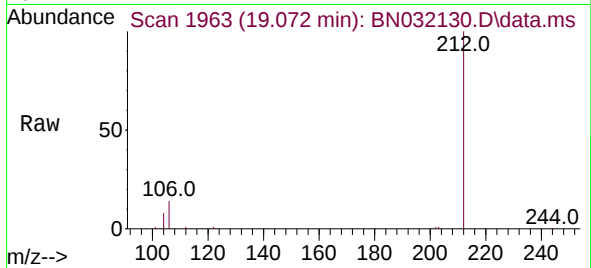




#27
Fluoranthene-d10
Concen: 0.315 ng
RT: 19.072 min Scan# 1963
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

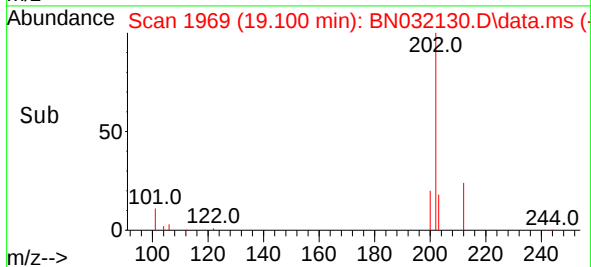
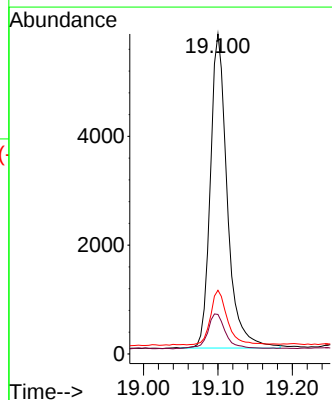
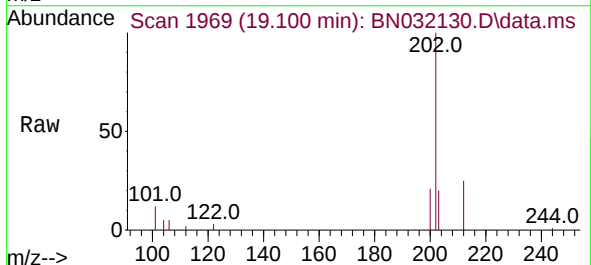
Instrument :
BNA_N
ClientSampleId :
PB161619BL

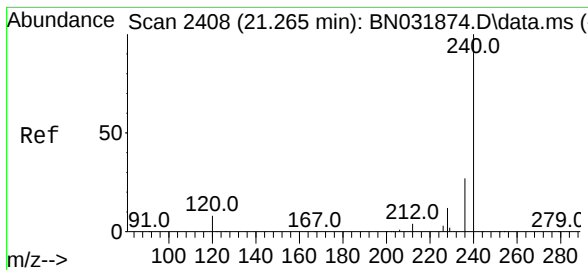
Tgt Ion:212 Resp: 30904
Ion Ratio Lower Upper
212 100
106 14.6 11.8 17.8
104 8.3 6.6 10.0



#28
Fluoranthene
Concen: 0.075 ng
RT: 19.100 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion:202 Resp: 9146
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
203 17.4 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.238 min Scan# 2405

Delta R.T. 0.009 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL

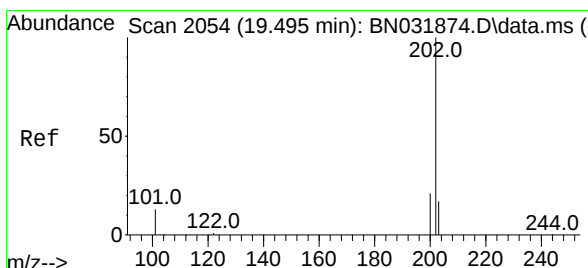
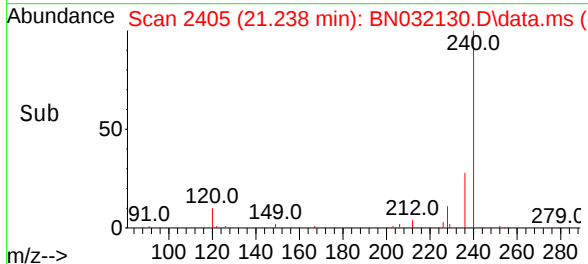
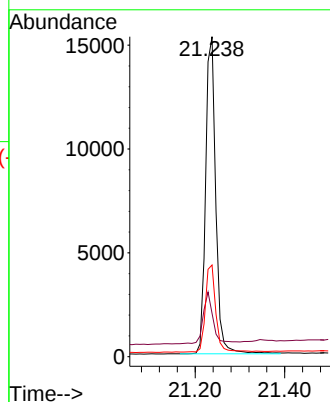
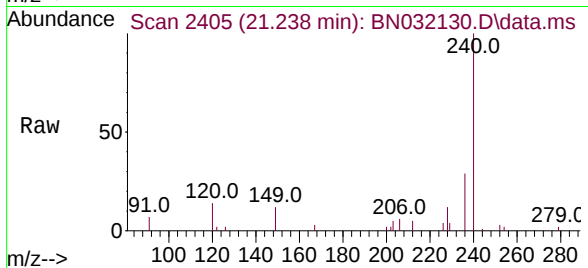
Tgt Ion:240 Resp: 24118

Ion Ratio Lower Upper

240 100

120 13.5 8.2 12.4#

236 28.6 21.8 32.8



#30

Pyrene

Concen: 0.101 ng

RT: 19.467 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

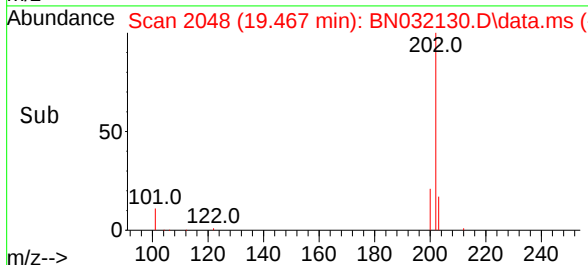
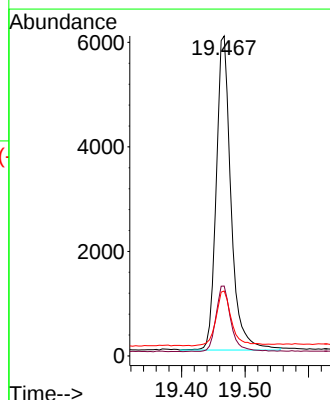
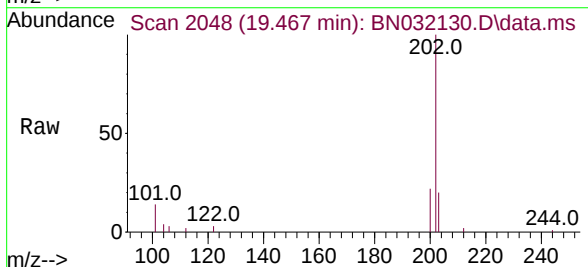
Tgt Ion:202 Resp: 9701

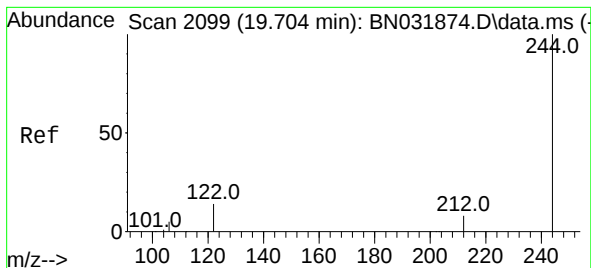
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 18.7 14.3 21.5





#31

Terphenyl-d14

Concen: 0.379 ng

RT: 19.671 min Scan# 2099

Delta R.T. -0.000 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL

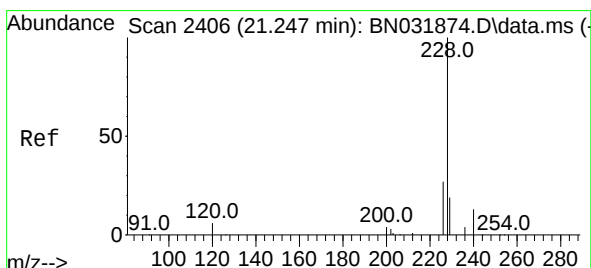
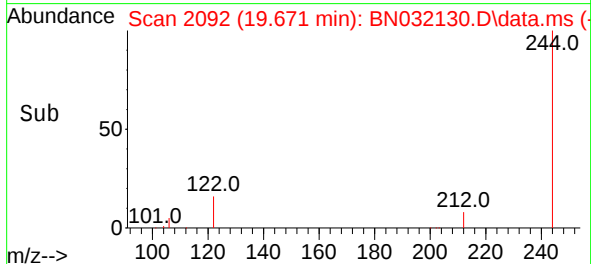
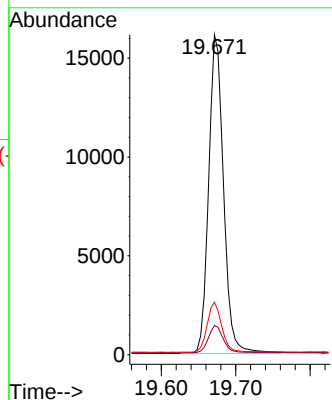
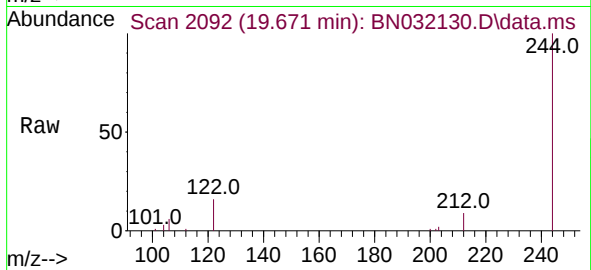
Tgt Ion:244 Resp: 22371

Ion Ratio Lower Upper

244 100

212 9.1 6.5 9.7

122 16.4 11.4 17.0



#32

Benzo(a)anthracene

Concen: 0.161 ng

RT: 21.220 min Scan# 2403

Delta R.T. 0.009 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

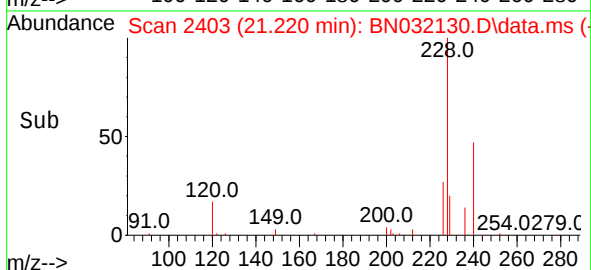
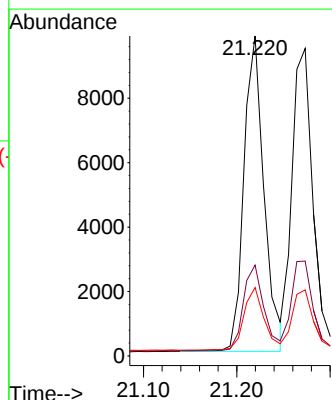
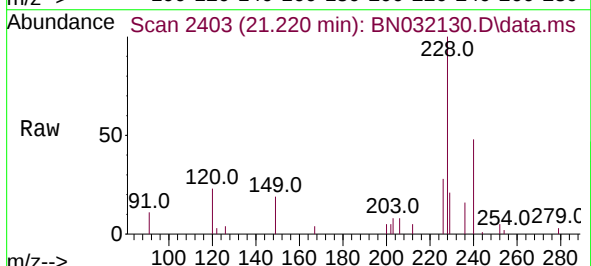
Tgt Ion:228 Resp: 14637

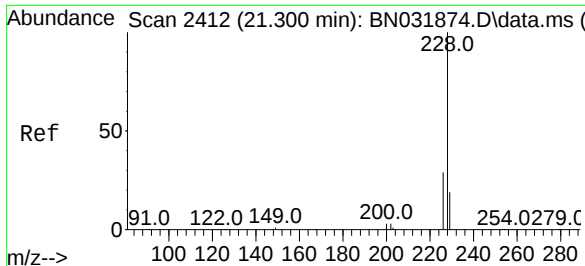
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.6

229 21.4 15.8 23.8





#33

Chrysene

Concen: 0.165 ng

RT: 21.273 min Scan# 2412

Delta R.T. 0.009 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL

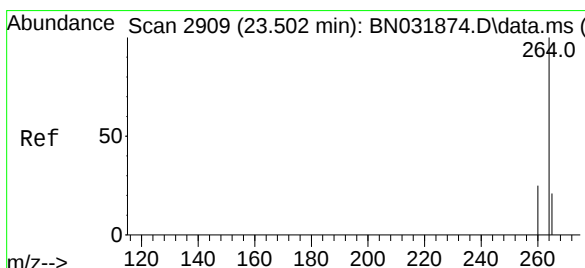
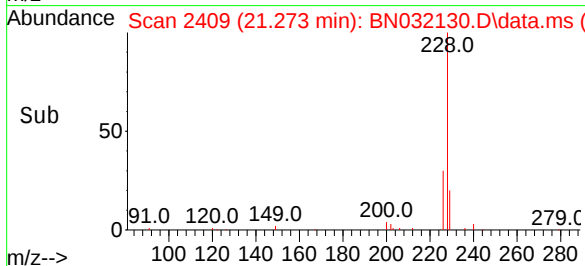
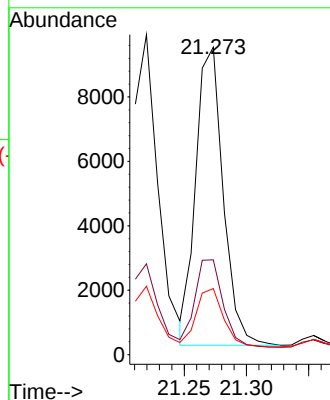
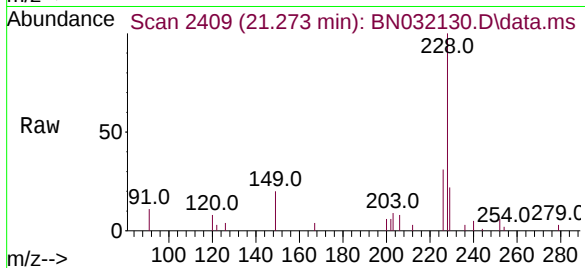
Tgt Ion:228 Resp: 14167

Ion Ratio Lower Upper

228 100

226 30.9 23.6 35.4

229 21.5 15.8 23.6



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.457 min Scan# 2894

Delta R.T. 0.005 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

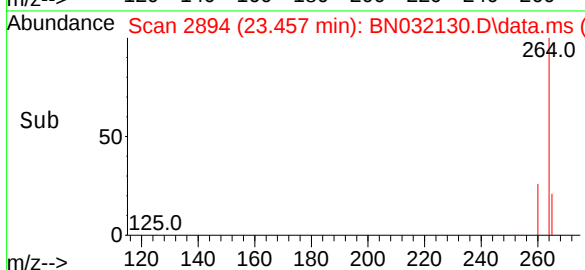
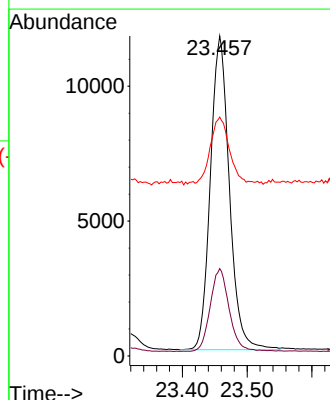
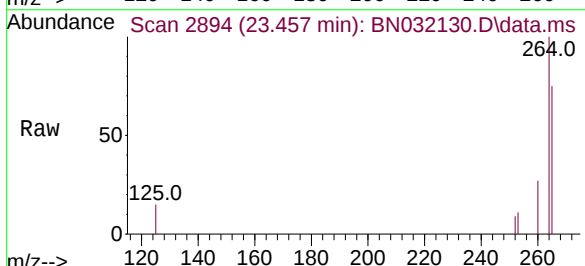
Tgt Ion:264 Resp: 23672

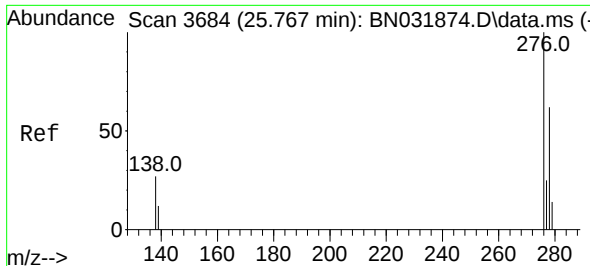
Ion Ratio Lower Upper

264 100

260 27.3 20.5 30.7

265 74.7 39.6 59.4#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.183 ng

RT: 25.706 min Scan# 3

Delta R.T. 0.011 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL

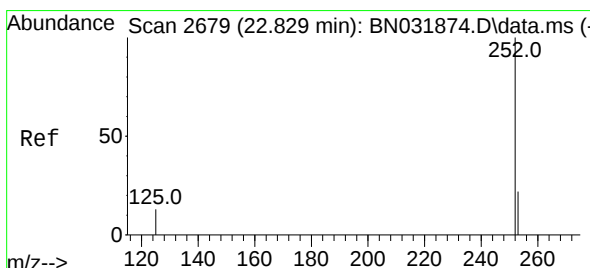
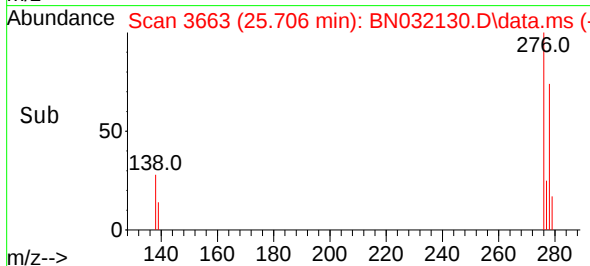
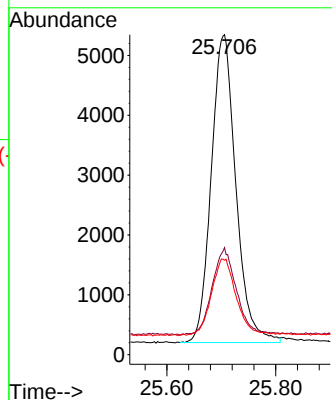
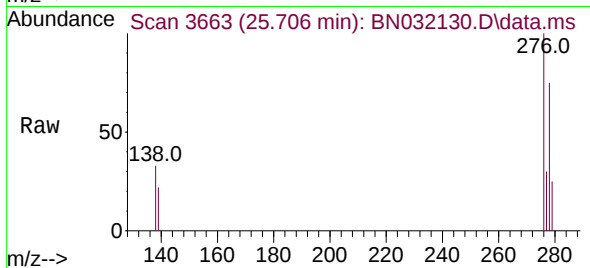
Tgt Ion:276 Resp: 16159

Ion Ratio Lower Upper

276 100

138 27.8 21.5 32.3

277 24.8 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.185 ng

RT: 22.788 min Scan# 2665

Delta R.T. 0.003 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21

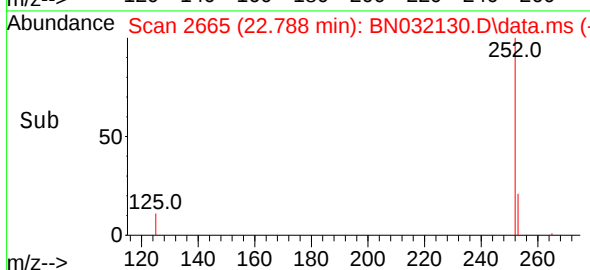
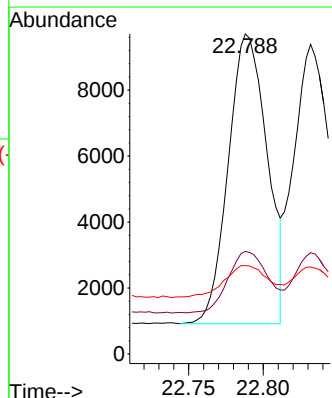
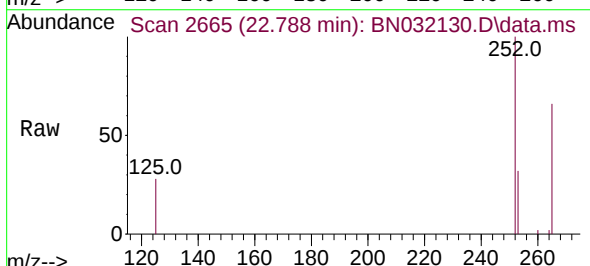
Tgt Ion:252 Resp: 15927

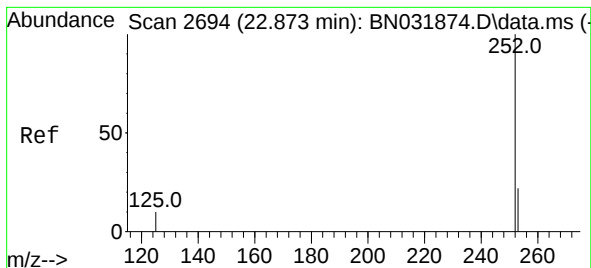
Ion Ratio Lower Upper

252 100

253 32.1 20.2 30.2#

125 27.6 14.2 21.4#





#38

Benzo(k)fluoranthene

Concen: 0.184 ng

RT: 22.832 min Scan# 2680

Delta R.T. 0.003 min

Lab File: BN032130.D

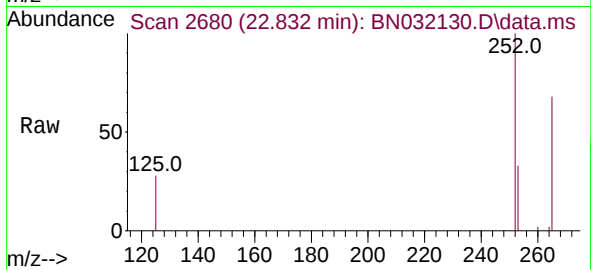
Acq: 21 Jun 2024 14:21

Instrument :

BNA_N

ClientSampleId :

PB161619BL



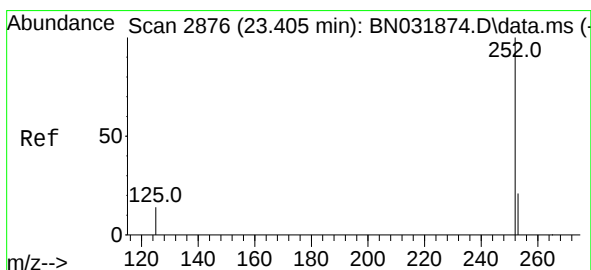
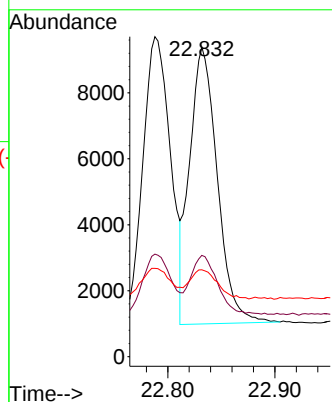
Tgt Ion:252 Resp: 15036

Ion Ratio Lower Upper

252 100

253 32.7 19.9 29.9#

125 28.0 13.0 19.4#



#39

Benzo(a)pyrene

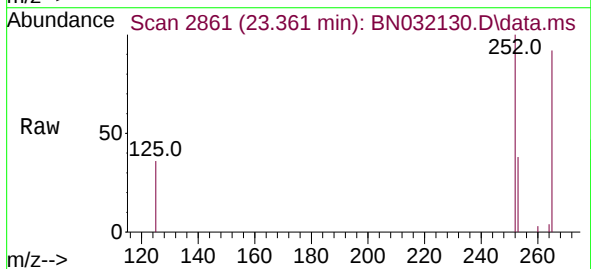
Concen: 0.160 ng

RT: 23.361 min Scan# 2861

Delta R.T. 0.003 min

Lab File: BN032130.D

Acq: 21 Jun 2024 14:21



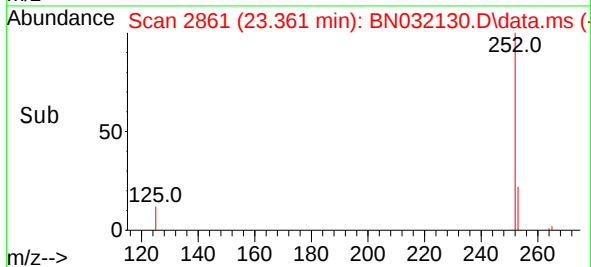
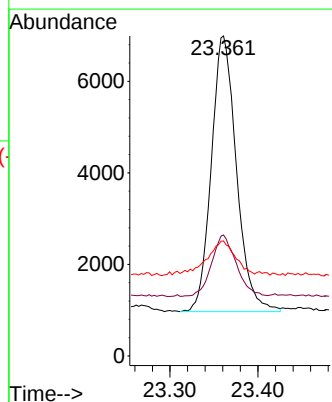
Tgt Ion:252 Resp: 11939

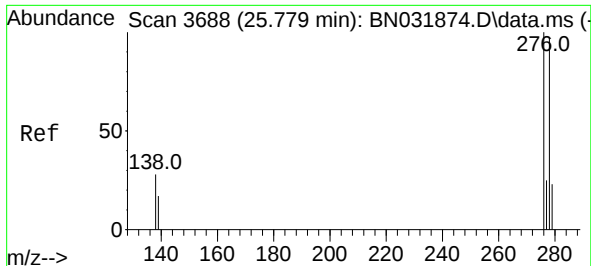
Ion Ratio Lower Upper

252 100

253 37.8 20.5 30.7#

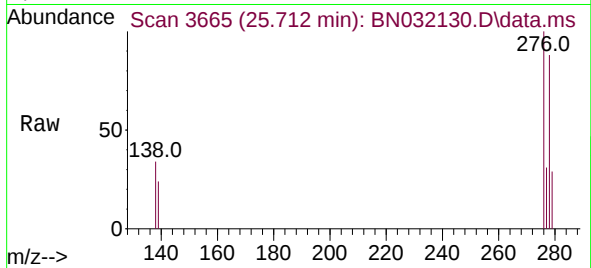
125 35.9 16.4 24.6#



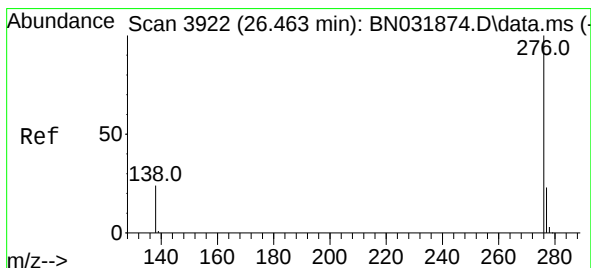
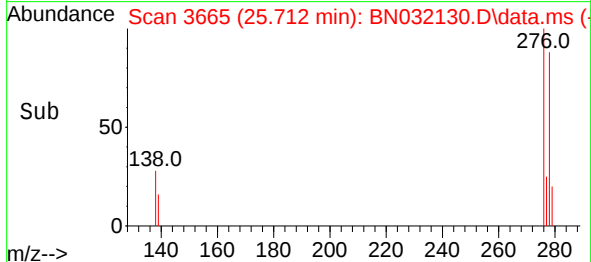
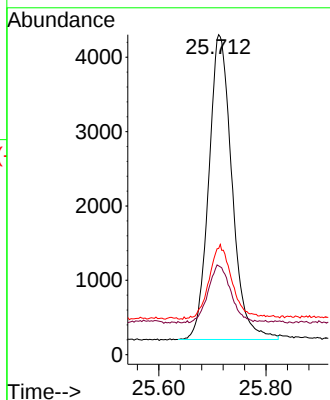


#40
Dibenzo(a,h)anthracene
Concen: 0.177 ng
RT: 25.712 min Scan# 30
Delta R.T. 0.005 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Instrument :
BNA_N
ClientSampleId :
PB161619BL



Tgt Ion:278 Resp: 12310
Ion Ratio Lower Upper
278 100
139 27.8 17.0 25.4#
279 33.2 21.4 32.0#



#41
Benzo(g,h,i)perylene
Concen: 0.161 ng
RT: 26.390 min Scan# 3897
Delta R.T. 0.011 min
Lab File: BN032130.D
Acq: 21 Jun 2024 14:21

Tgt Ion:276 Resp: 12004
Ion Ratio Lower Upper
276 100
277 31.3 20.2 30.2#
138 31.1 20.6 31.0#

