

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080223\
 Data File : BN026792.D
 Acq On : 02 Aug 2023 11:03
 Operator : MA/JU
 Sample : 03775-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 03 00:44:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

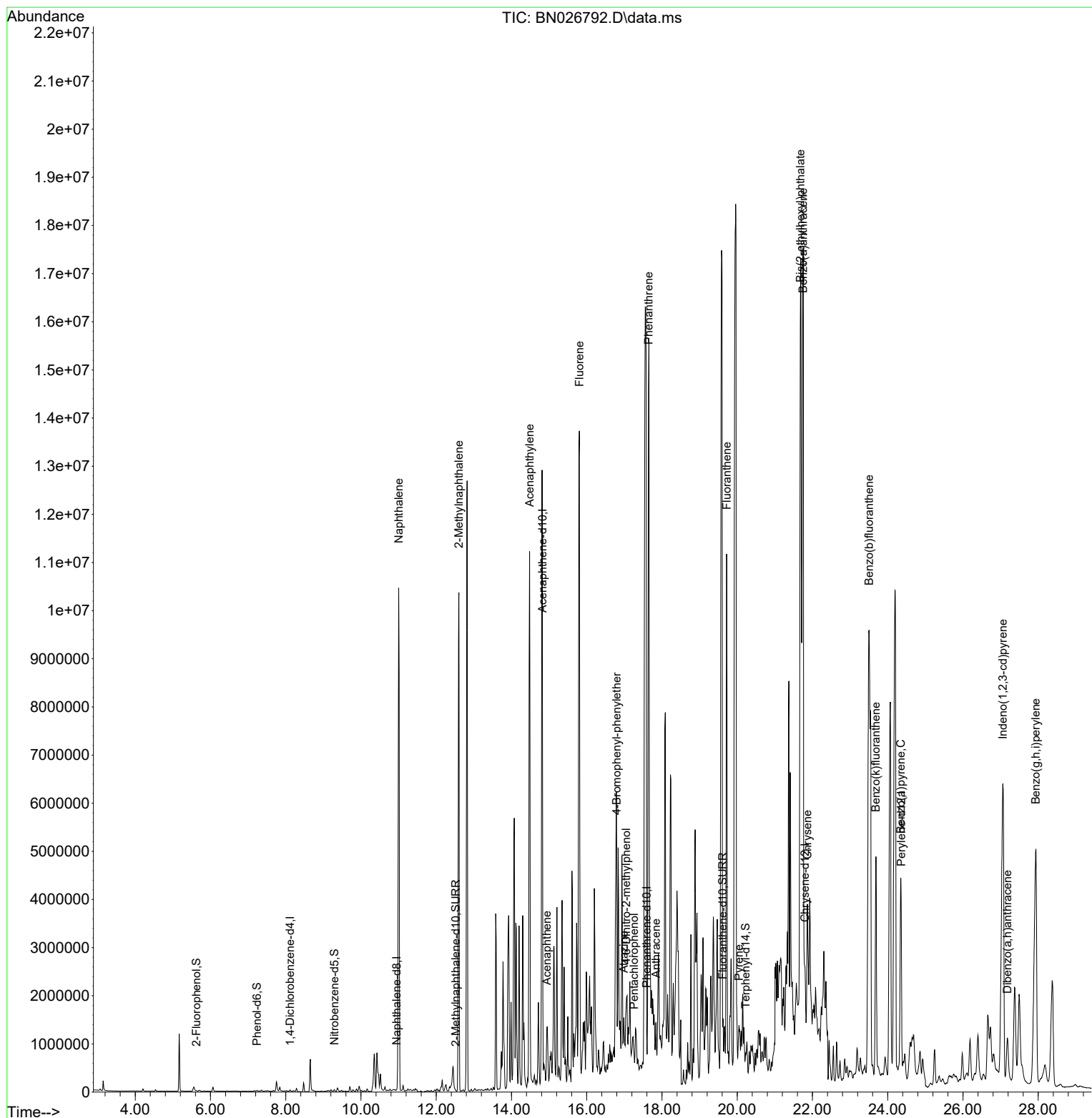
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	10305	0.400	ng	# 0.00
7) Naphthalene-d8	10.949	136	35488	0.400	ng	# 0.00
13) Acenaphthene-d10	14.822	164	23394	0.400	ng	0.07
19) Phenanthrene-d10	17.592	188	31160	0.400	ng	# 0.10
29) Chrysene-d12	21.802	240	35980	0.400	ng	# 0.13
35) Perylene-d12	24.358	264	153731	0.400	ng	# 0.12
System Monitoring Compounds						
4) 2-Fluorophenol	5.625	112	5724	0.219	ng	0.00
5) Phenol-d6	7.235	99	5145	0.152	ng	0.00
8) Nitrobenzene-d5	9.294	82	4061	0.193	ng	-0.01
11) 2-Methylnaphthalene-d10	12.521	152	7709	0.152	ng	0.00
14) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
15) 2-Fluorobiphenyl	13.475	172	1901	0.020	ng	0.10
27) Fluoranthene-d10	19.616	212	223256	2.984	ng	0.10
31) Terphenyl-d14	20.224	244	22468	0.299	ng	0.12
Target Compounds						Qvalue
9) Naphthalene	11.002	128	15202418	155.785	ng	97
12) 2-Methylnaphthalene	12.600	142	7930517	119.070	ng	98
16) Acenaphthylene	14.480	152	13575700	117.393	ng	# 95
17) Acenaphthene	14.940	154	185791	2.561	ng	# 15
18) Fluorene	15.804	166	12902955	136.634	ng	# 98
20) 4,6-Dinitro-2-methylph...	17.045	198	93519	185.422	ng	# 11
21) 4-Bromophenyl-phenylether	16.797	248	593	0.031	ng	# 1
23) Atrazine	16.983	200	2877	0.231	ng	# 1
24) Pentachlorophenol	17.256	266	433	0.078	ng	# 58
25) Phenanthrene	17.641	178	18591725	196.455	ng	# 57
26) Anthracene	17.840	178	246888	2.920	ng	# 1
28) Fluoranthene	19.718	202	11714384	111.170	ng	99
30) Pyrene	20.048	202	404918	2.604	ng	# 1
32) Benzo(a)anthracene	21.748	228	20552855	166.347	ng	# 78
33) Chrysene	21.865	228	2419862	17.717	ng	# 41
34) Bis(2-ethylhexyl)phtha...	21.676	149	72514	1.771	ng	# 52
36) Indeno(1,2,3-cd)pyrene	27.060	276	13057057	20.815	ng	# 93
37) Benzo(b)fluoranthene	23.504	252	25462188	42.094	ng	95
38) Benzo(k)fluoranthene	23.686	252	6838397	11.003	ng	94
39) Benzo(a)pyrene	24.346	252	6137394	11.127	ng	96
40) Dibenzo(a,h)anthracene	27.179	278	1751838	3.595	ng	# 89
41) Benzo(g,h,i)perylene	27.937	276	15332933	26.585	ng	96

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

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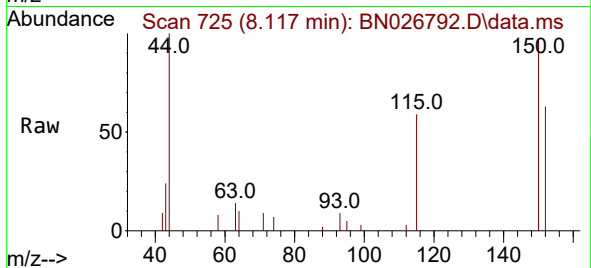
Quant Time: Aug 03 00:44:20 2023
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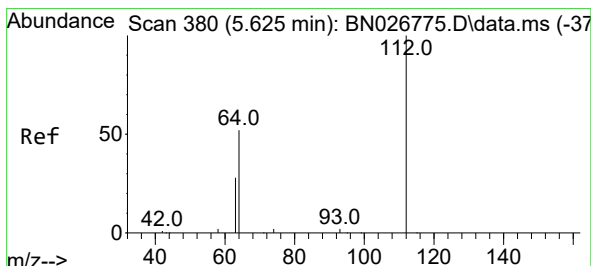
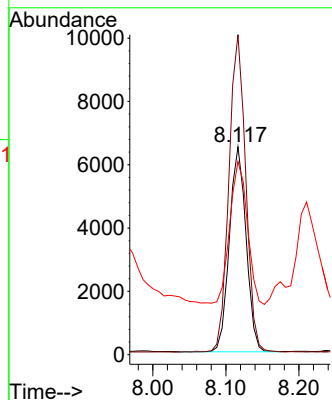
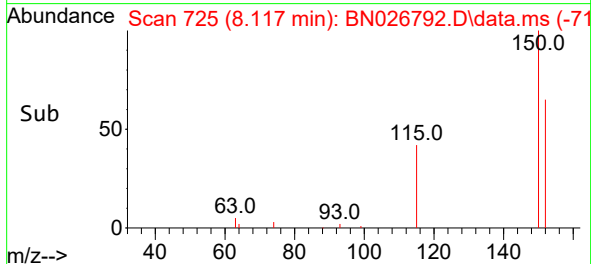


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 71
Delta R.T. -0.008 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Instrument :
BNA_N
ClientSampleId :

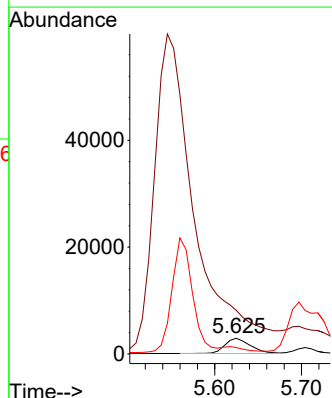
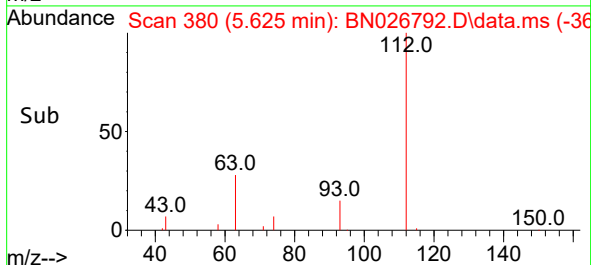
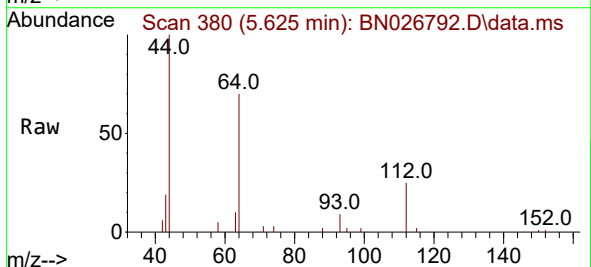


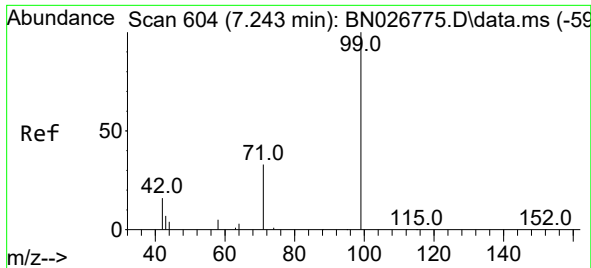
Tgt Ion:152 Resp: 10305
Ion Ratio Lower Upper
152 100
150 153.9 123.8 185.8
115 92.9 48.0 72.0#



#4
2-Fluorophenol
Concen: 0.219 ng
RT: 5.625 min Scan# 380
Delta R.T. -0.000 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion:112 Resp: 5724
Ion Ratio Lower Upper
112 100
64 0.0 42.2 63.2#
63 0.0 22.7 34.1#

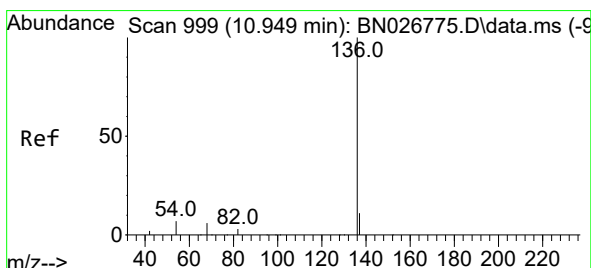
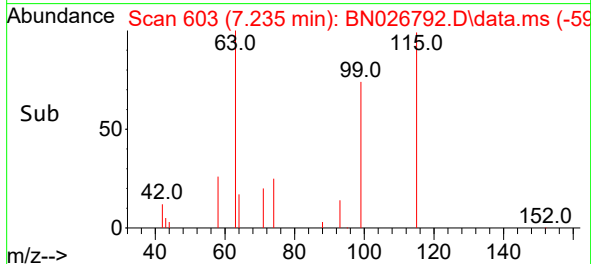
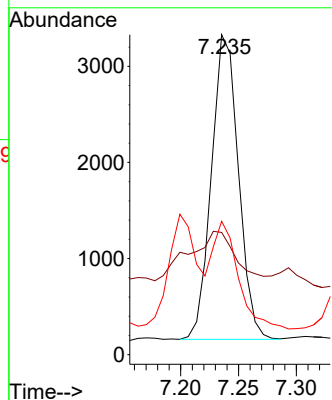
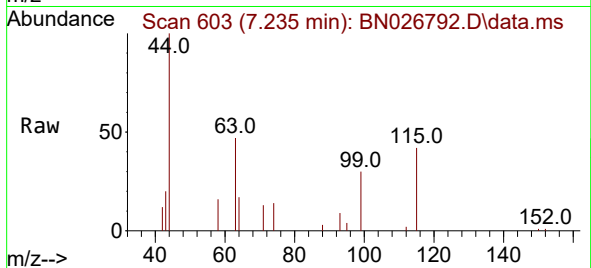




#5
Phenol-d6
Concen: 0.152 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

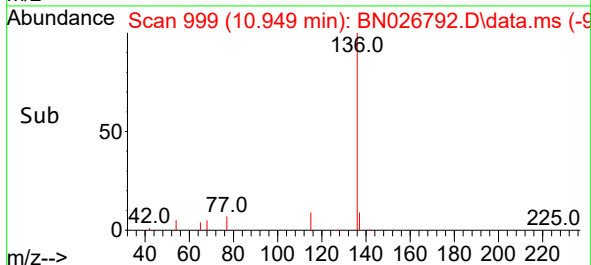
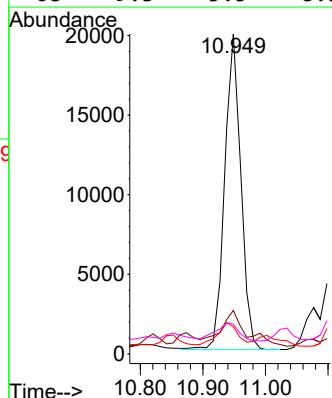
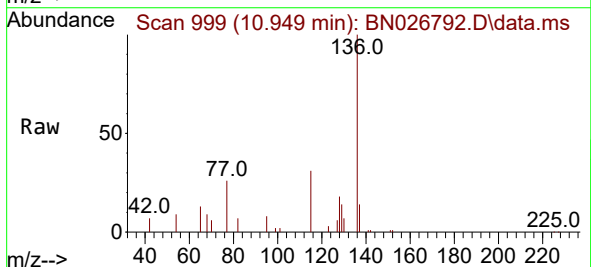
Instrument :
BNA_N
ClientSampleId :

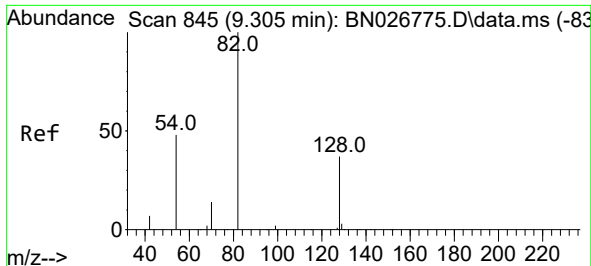
Tgt Ion: 99 Resp: 5145
Ion Ratio Lower Upper
99 100
42 28.5 14.6 22.0#
71 33.6 26.6 40.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.949 min Scan# 999
Delta R.T. -0.000 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

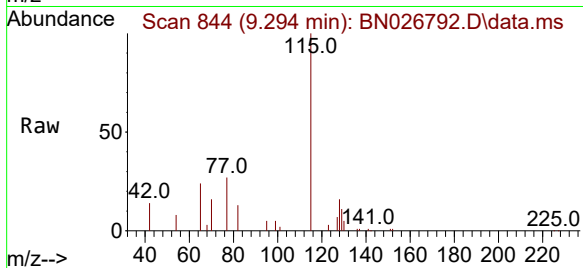
Tgt Ion: 136 Resp: 35488
Ion Ratio Lower Upper
136 100
137 13.6 9.0 13.4#
54 8.6 6.2 9.2
68 9.3 5.5 8.3#



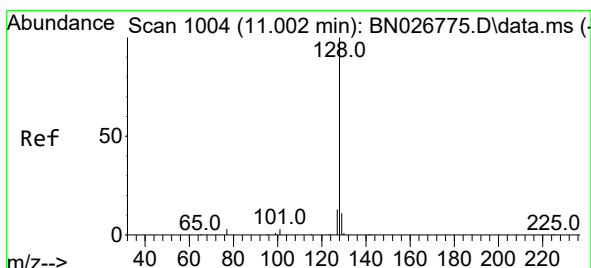
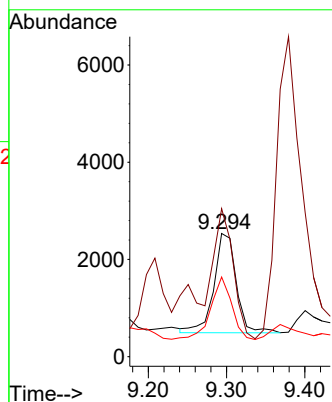
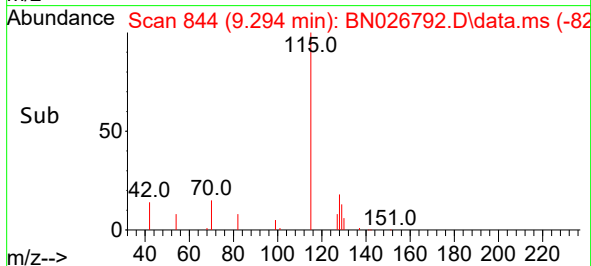


#8
Nitrobenzene-d5
Concen: 0.193 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Instrument :
BNA_N
ClientSampleId :

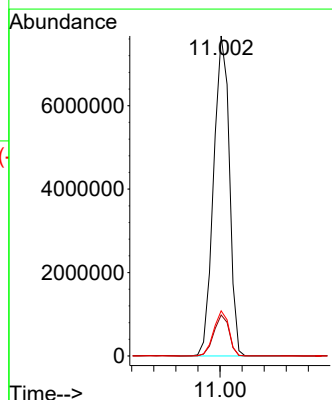
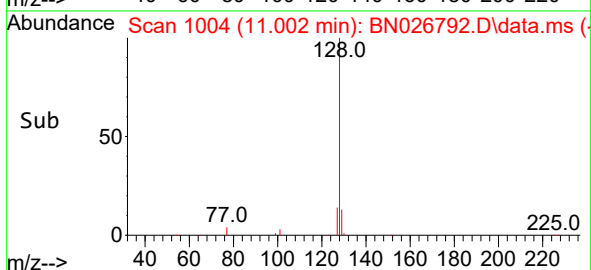
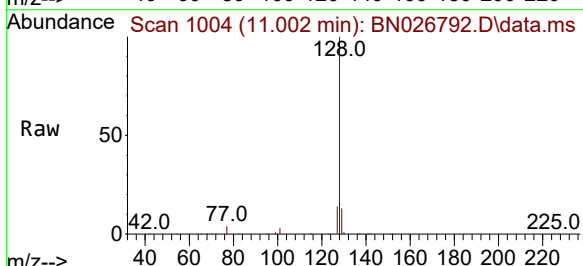


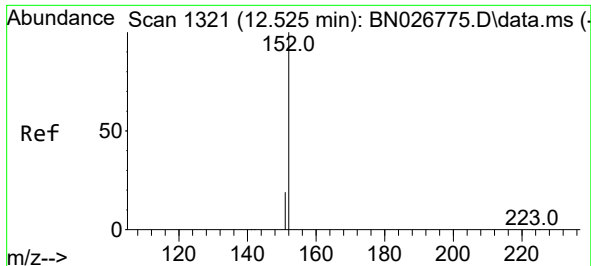
Tgt Ion: 82 Resp: 4061
Ion Ratio Lower Upper
82 100
128 120.2 30.5 45.7#
54 64.6 39.4 59.2#



#9
Naphthalene
Concen: 155.785 ng
RT: 11.002 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion: 128 Resp: 15202418
Ion Ratio Lower Upper
128 100
129 12.8 9.0 13.4
127 14.1 10.6 16.0

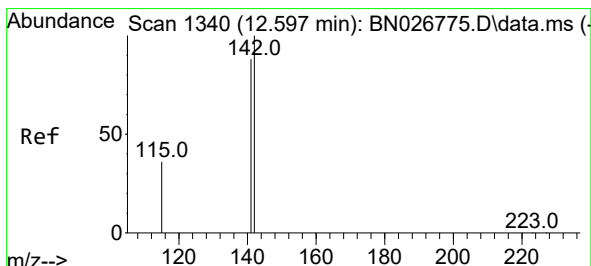
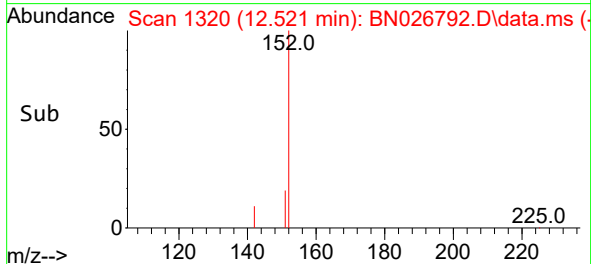
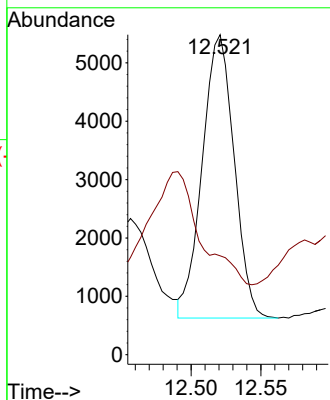
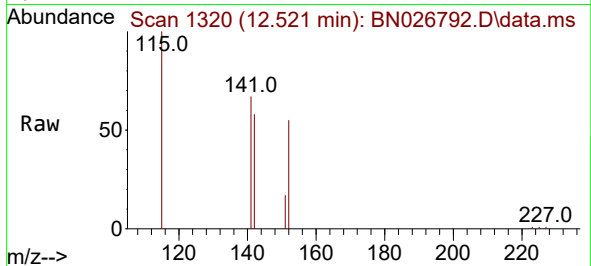




#11
2-Methylnaphthalene-d10
Concen: 0.152 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

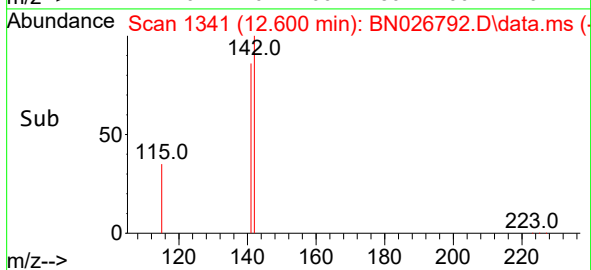
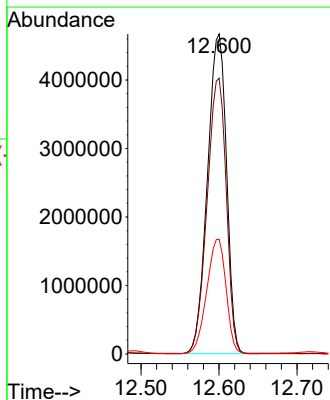
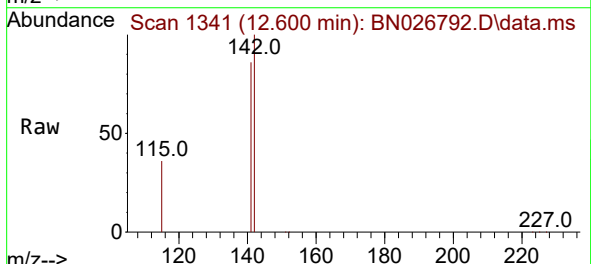
Instrument :
BNA_N
ClientSampleId :

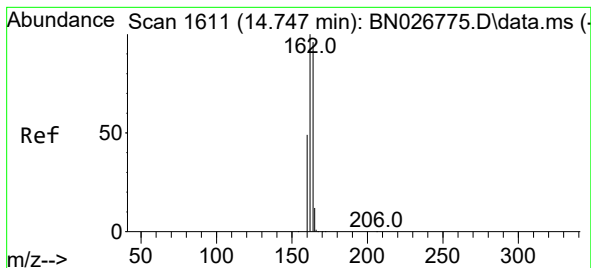
Tgt Ion:152 Resp: 7709
Ion Ratio Lower Upper
152 100
151 0.0 16.5 24.7#



#12
2-Methylnaphthalene
Concen: 119.070 ng
RT: 12.600 min Scan# 1341
Delta R.T. 0.004 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion:142 Resp: 7930517
Ion Ratio Lower Upper
142 100
141 86.2 70.3 105.5
115 35.8 29.2 43.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.822 min Scan# 1

Delta R.T. 0.075 min

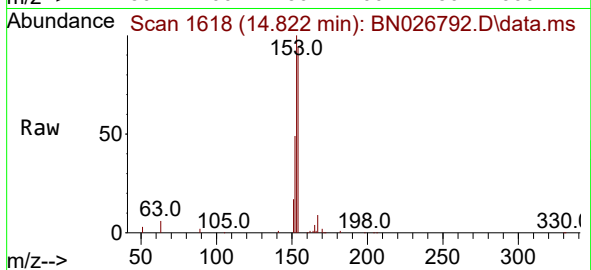
Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :



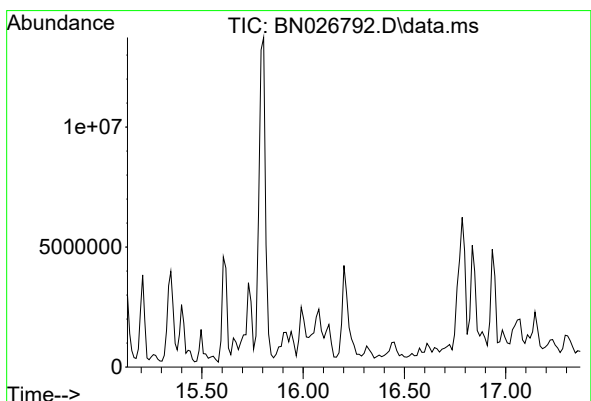
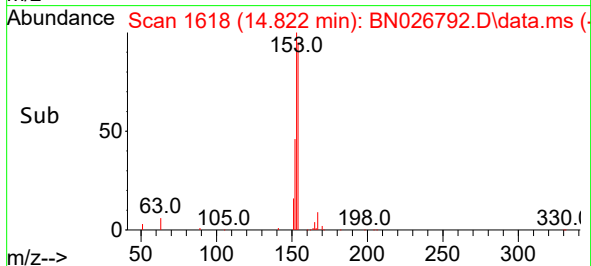
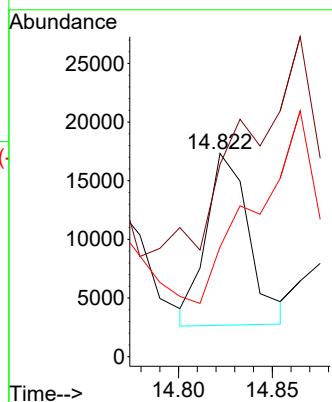
Tgt Ion:164 Resp: 23394

Ion Ratio Lower Upper

164 100

162 94.6 83.0 124.6

160 54.0 40.8 61.2



#14

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 16.23 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

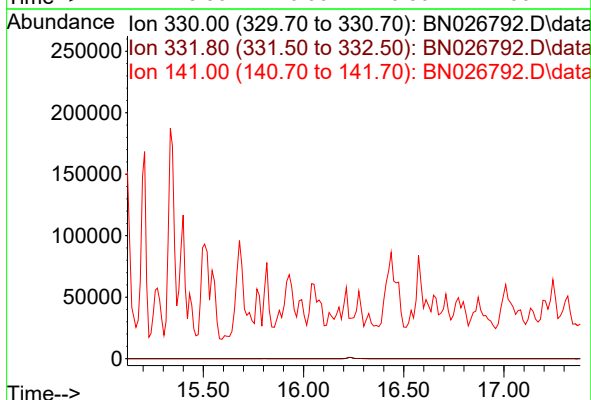
Tgt Ion: 330

Sig Exp Ratio

330 100

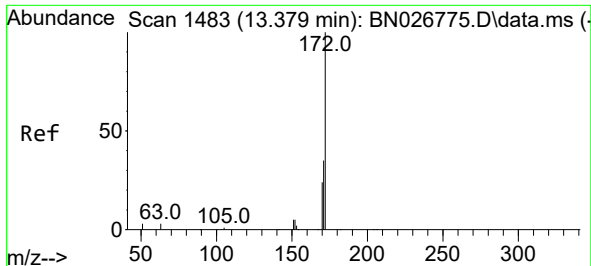
332 97.2

141 43.5



Ion 331.80 (331.50 to 332.50): BN026792.D\data

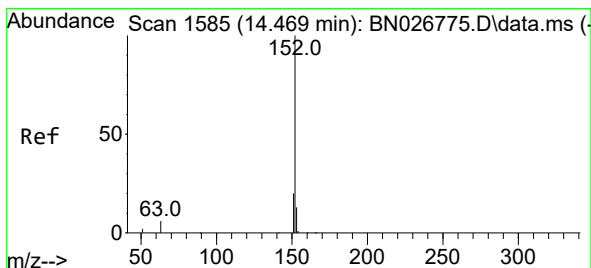
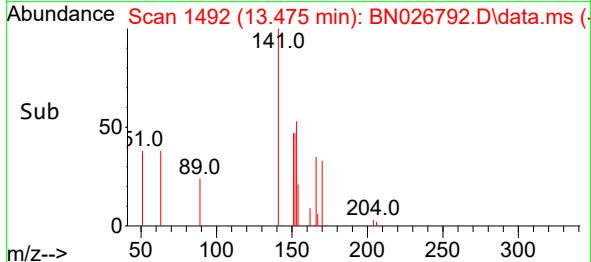
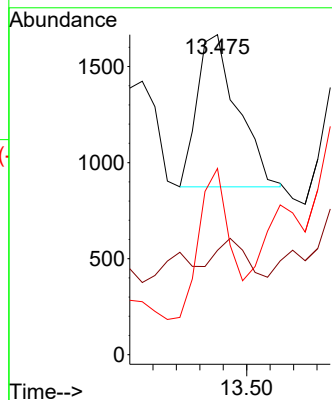
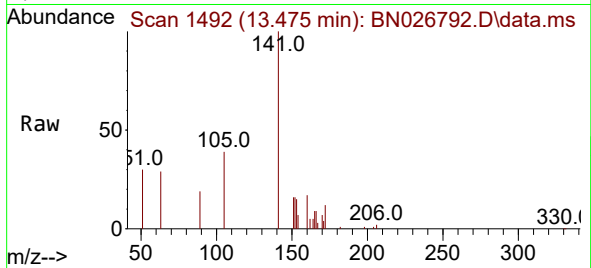
Ion 141.00 (140.70 to 141.70): BN026792.D\data



#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 13.475 min Scan# 1483
Delta R.T. 0.096 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

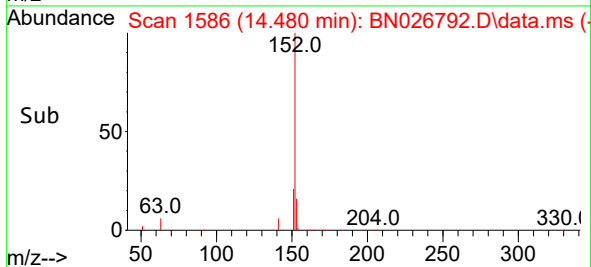
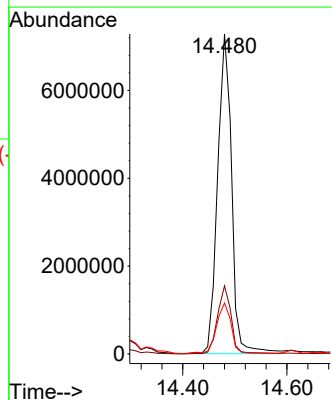
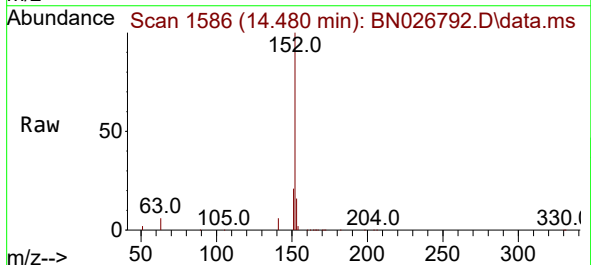
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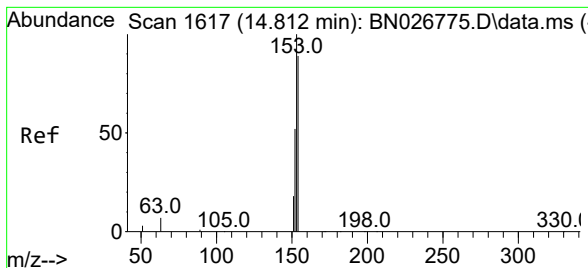
Tgt Ion:172 Resp: 1901
Ion Ratio Lower Upper
172 100
171 32.6 28.0 42.0
170 58.2 19.2 28.8#



#16
Acenaphthylene
Concen: 117.393 ng
RT: 14.480 min Scan# 1586
Delta R.T. 0.011 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion:152 Resp:13575700
Ion Ratio Lower Upper
152 100
151 20.7 15.7 23.5
153 16.3 10.5 15.7#





#17

Acenaphthene

Concen: 2.561 ng

RT: 14.940 min Scan# 1

Delta R.T. 0.128 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :

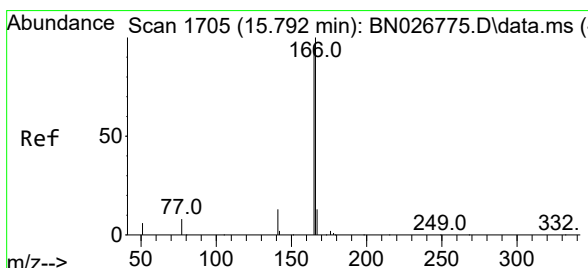
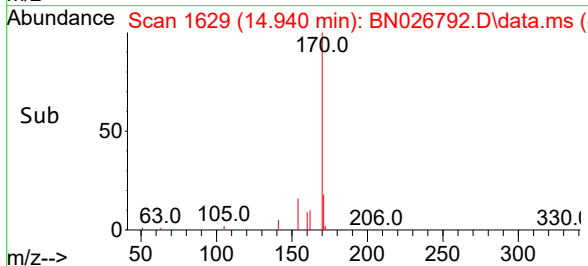
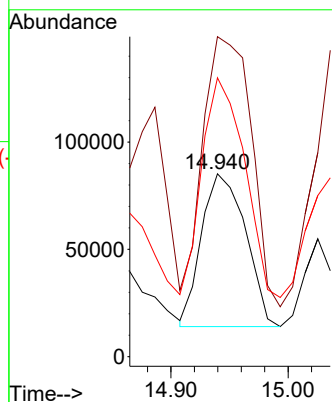
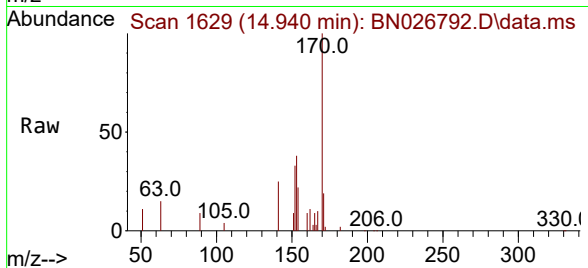
Tgt Ion:154 Resp: 185791

Ion Ratio Lower Upper

154 100

153 193.4 90.0 135.0#

152 138.6 48.6 73.0#



#18

Fluorene

Concen: 136.634 ng

RT: 15.804 min Scan# 1706

Delta R.T. 0.012 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

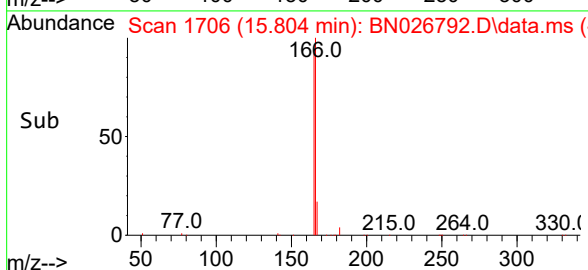
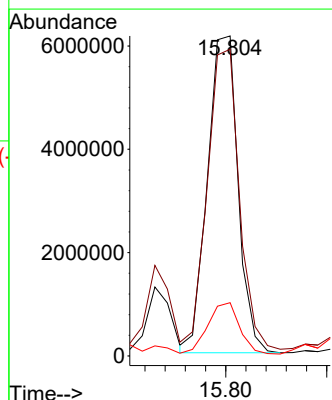
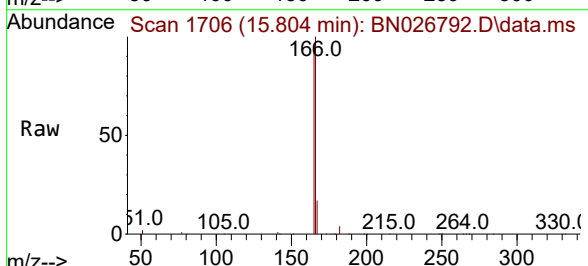
Tgt Ion:166 Resp:12902955

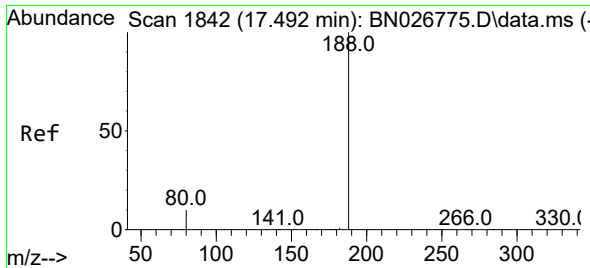
Ion Ratio Lower Upper

166 100

165 97.9 79.0 118.6

167 16.8 10.9 16.3#

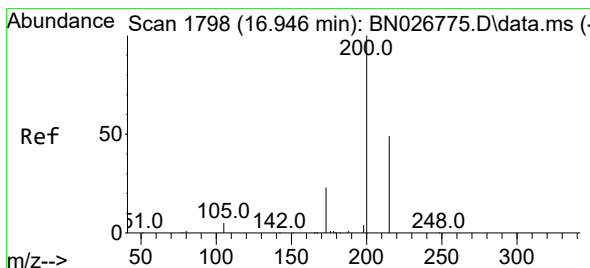
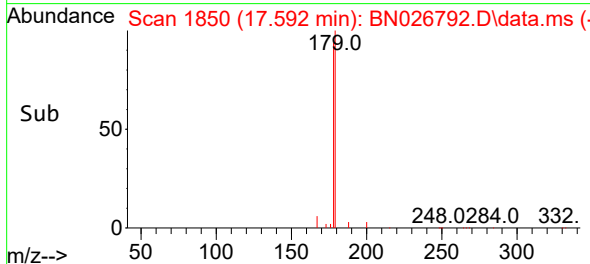
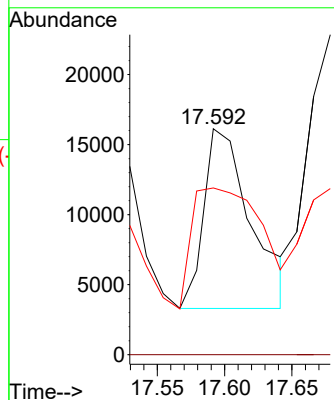
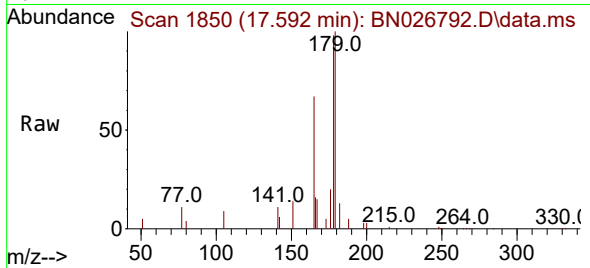




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.592 min Scan# 1842
Delta R.T. 0.099 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

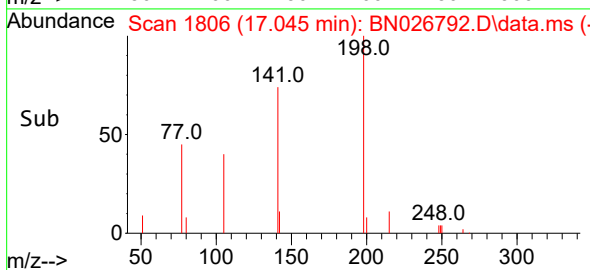
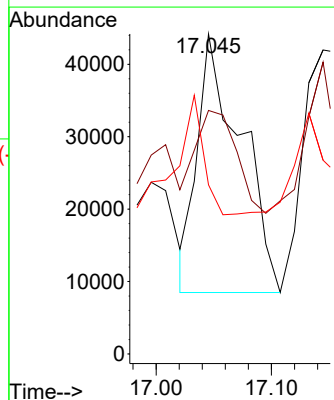
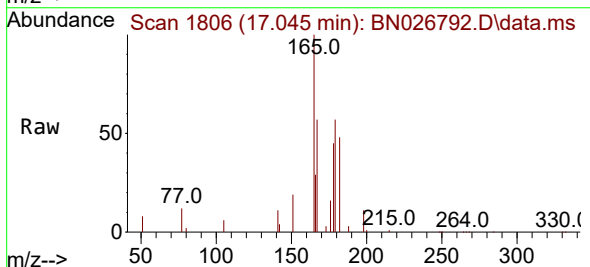
Instrument :
BNA_N
ClientSampleId :

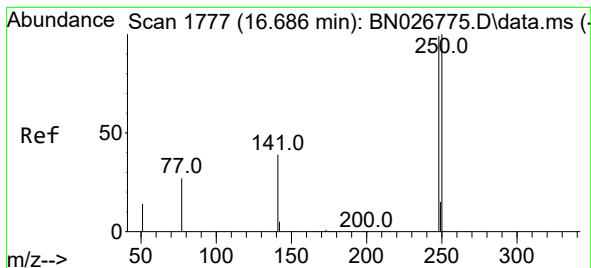
Tgt Ion:188 Resp: 31160
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 73.8 8.0 12.0#



#20
4,6-Dinitro-2-methylphenol
Concen: 185.422 ng
RT: 17.045 min Scan# 1806
Delta R.T. 0.099 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion:198 Resp: 93519
Ion Ratio Lower Upper
198 100
51 76.1 150.5 225.7#
105 52.8 165.0 247.6#

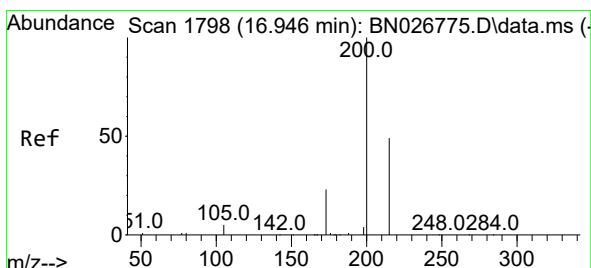
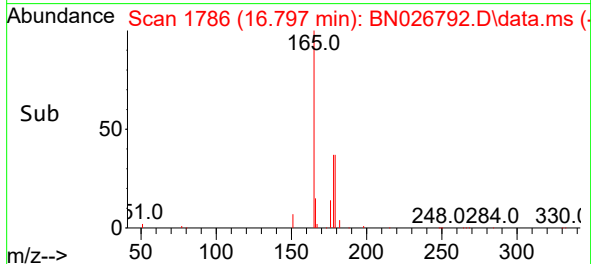
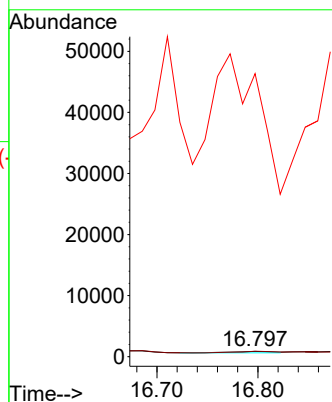
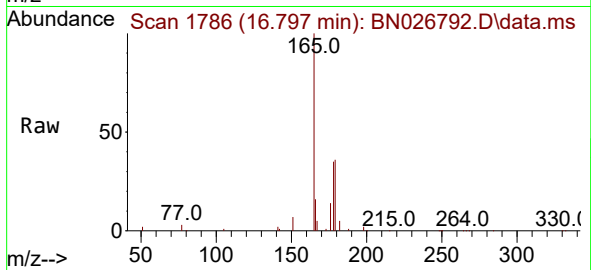




#21
4-Bromophenyl-phenylether
Concen: 0.031 ng
RT: 16.797 min Scan# 11
Delta R.T. 0.112 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

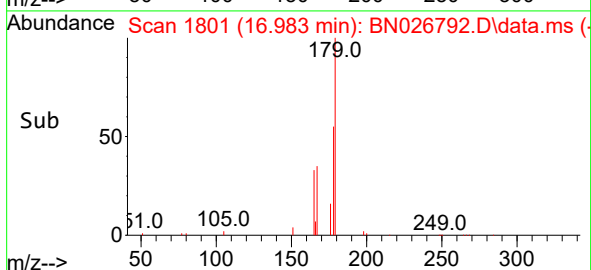
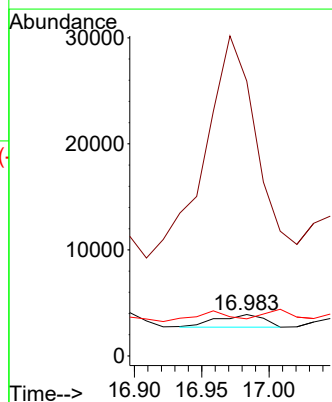
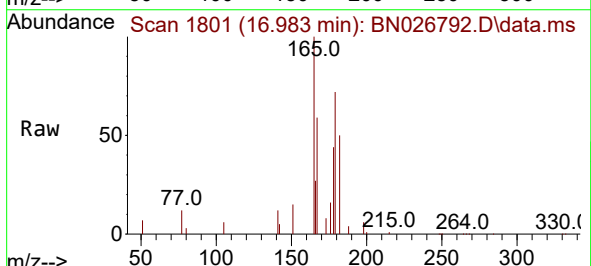
Instrument :
BNA_N
ClientSampleId :

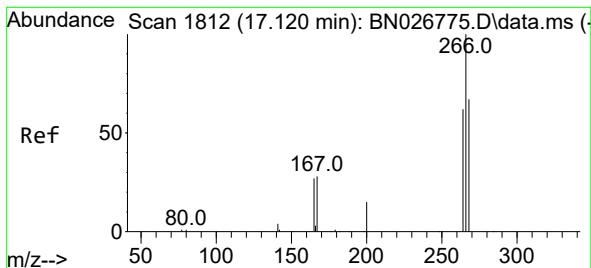
Tgt Ion:248 Resp: 593
Ion Ratio Lower Upper
248 100
250 102.0 80.6 121.0
141 5341.0 32.6 48.8#



#23
Atrazine
Concen: 0.231 ng
RT: 16.983 min Scan# 1801
Delta R.T. 0.037 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion:200 Resp: 2877
Ion Ratio Lower Upper
200 100
173 663.5 19.2 28.8#
215 89.7 39.8 59.8#





#24

Pentachlorophenol

Concen: 0.078 ng

RT: 17.256 min Scan# 1812

Delta R.T. 0.136 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :

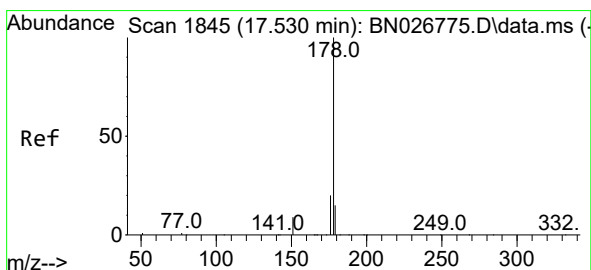
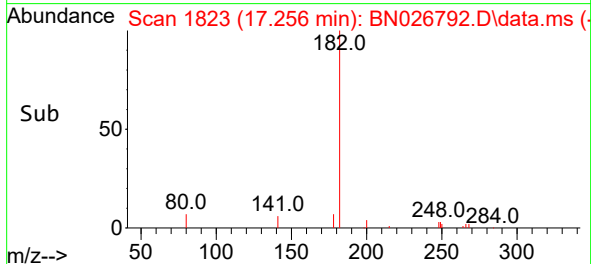
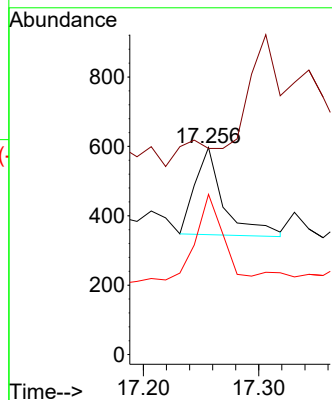
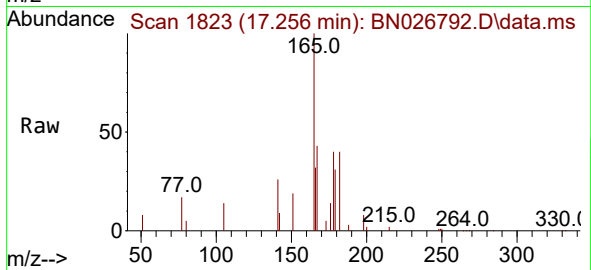
Tgt Ion:266 Resp: 433

Ion Ratio Lower Upper

266 100

264 31.9 50.8 76.2#

268 96.8 50.8 76.2#



#25

Phenanthrene

Concen: 196.455 ng

RT: 17.641 min Scan# 1854

Delta R.T. 0.112 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

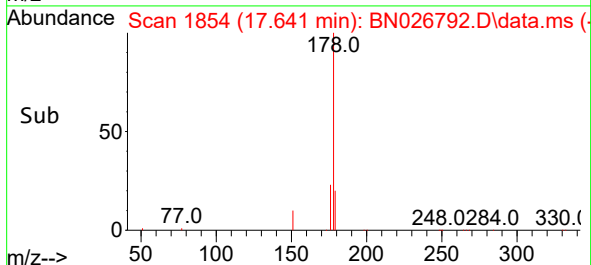
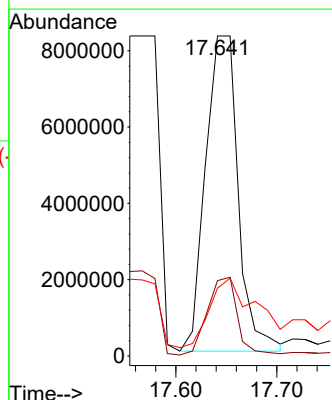
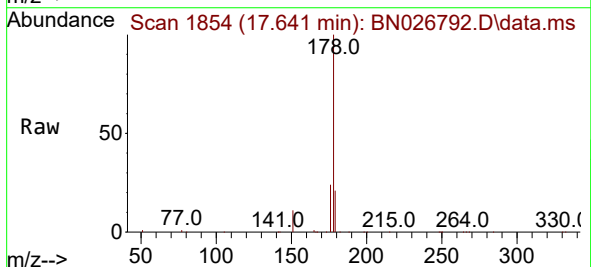
Tgt Ion:178 Resp:18591725

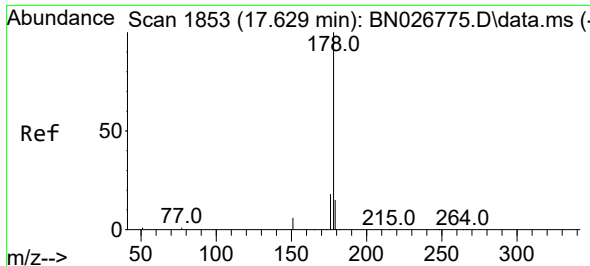
Ion Ratio Lower Upper

178 100

176 22.5 15.4 23.0

179 52.0 12.2 18.2#

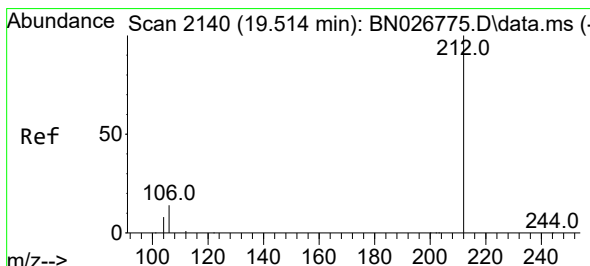
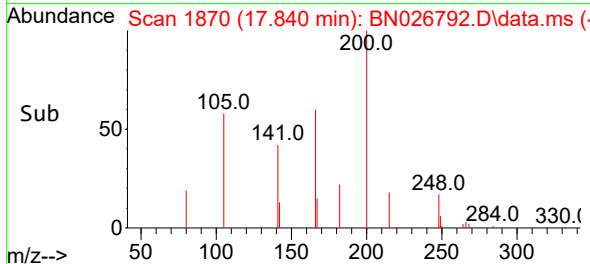
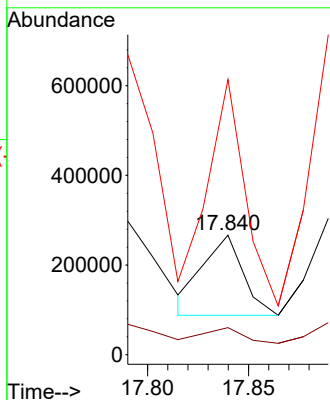
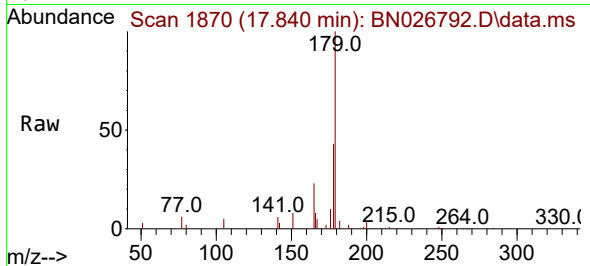




#26
 Anthracene
 Concen: 2.920 ng
 RT: 17.840 min Scan# 11
 Delta R.T. 0.211 min
 Lab File: BN026792.D
 Acq: 02 Aug 2023 11:03

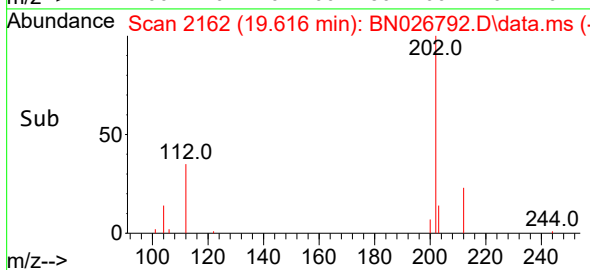
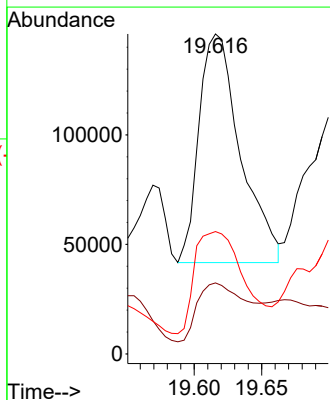
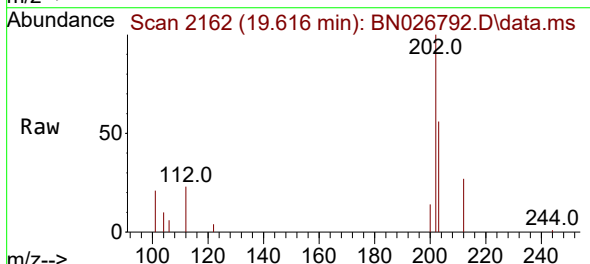
Instrument :
 BNA_N
 ClientSampleId :

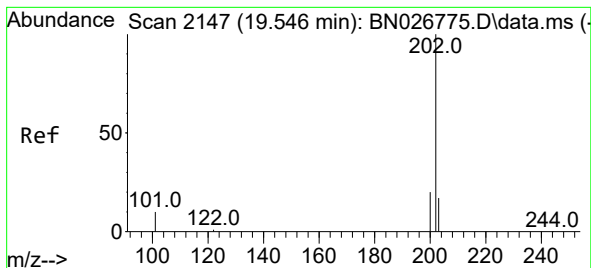
Tgt Ion:178 Resp: 246888
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.9 22.3#
 179 261.3 12.2 18.2#



#27
 Fluoranthene-d10
 Concen: 2.984 ng
 RT: 19.616 min Scan# 2162
 Delta R.T. 0.102 min
 Lab File: BN026792.D
 Acq: 02 Aug 2023 11:03

Tgt Ion:212 Resp: 223256
 Ion Ratio Lower Upper
 212 100
 106 30.7 11.7 17.5#
 104 53.4 6.4 9.6#





#28

Fluoranthene

Concen: 111.170 ng

RT: 19.718 min Scan# 2147

Delta R.T. 0.172 min

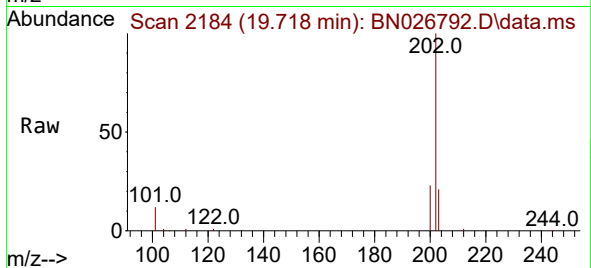
Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :



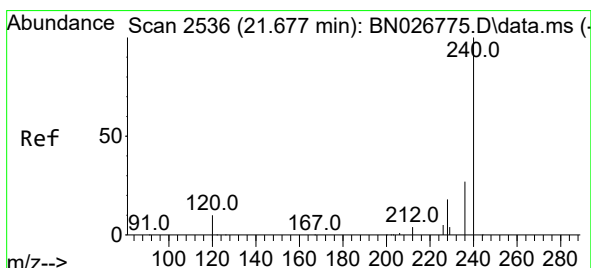
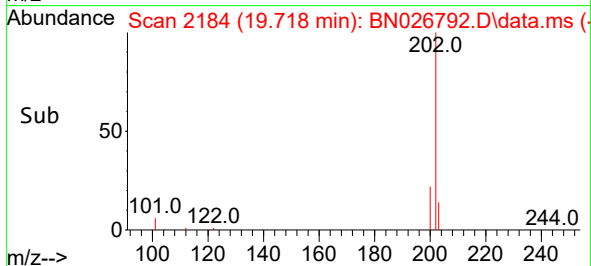
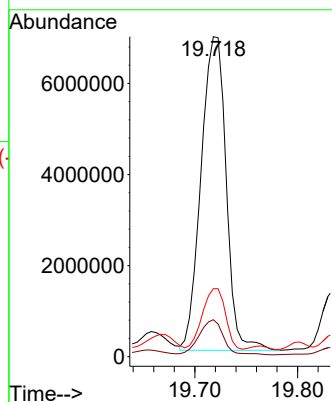
Tgt Ion:202 Resp:11714384

Ion	Ratio	Lower	Upper
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202	100		
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101	10.7	9.2	13.8
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203	17.5	13.7	20.5
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#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.802 min Scan# 2550

Delta R.T. 0.125 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

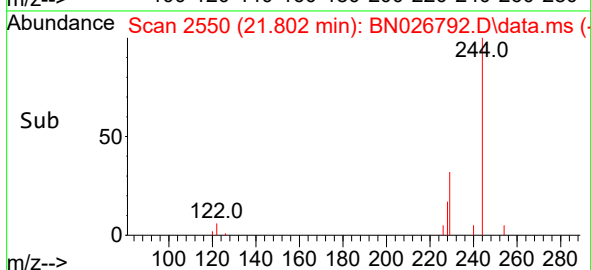
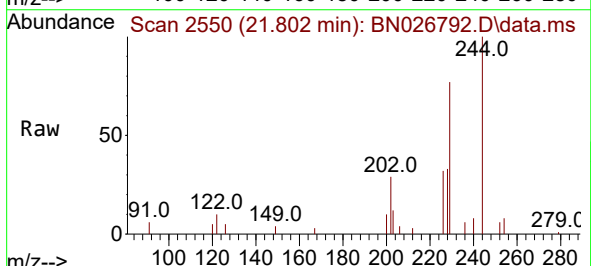
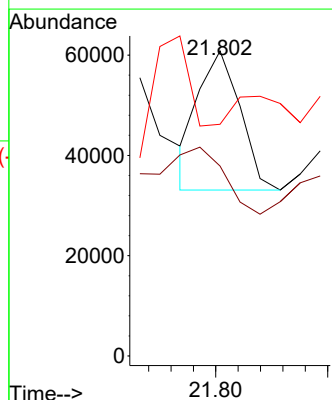
Tgt Ion:240 Resp: 35980

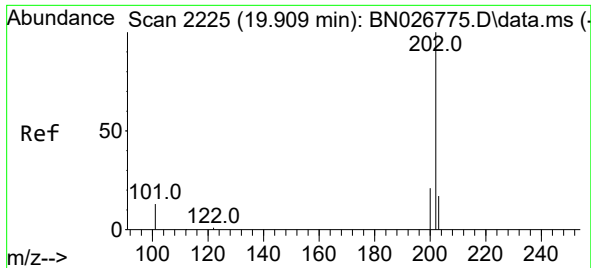
Ion	Ratio	Lower	Upper
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240	100		
-----	-----	--	--

120	62.3	9.2	13.8#
-----	------	-----	-------

236	76.0	21.9	32.9#
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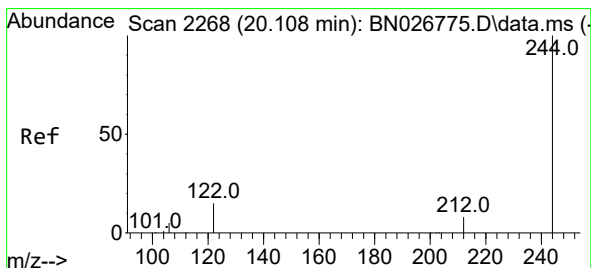
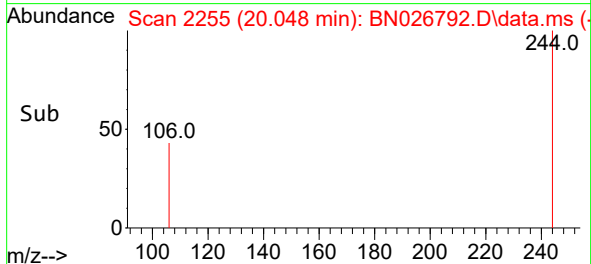
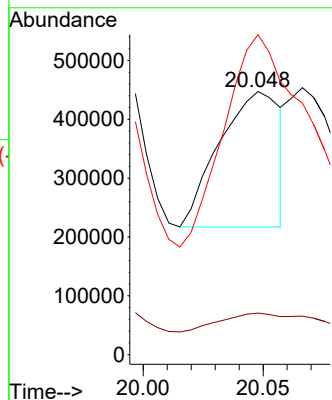
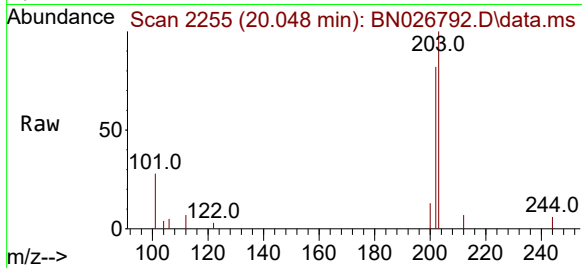




#30
Pyrene
Concen: 2.604 ng
RT: 20.048 min Scan# 21
Delta R.T. 0.139 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

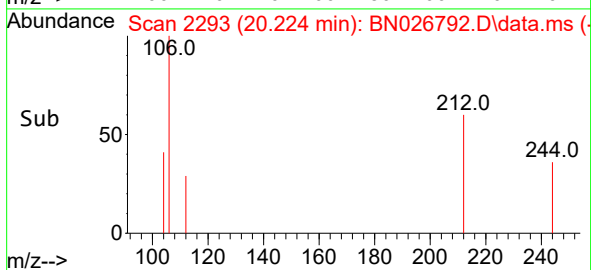
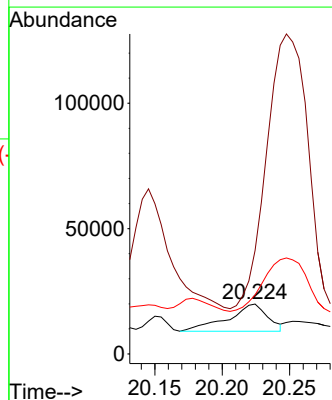
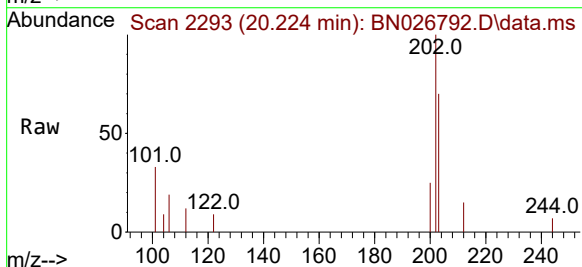
Instrument :
BNA_N
ClientSampleId :

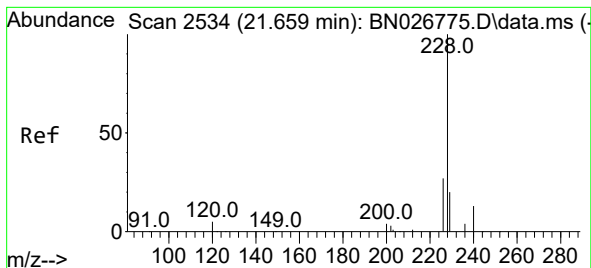
Tgt Ion:202 Resp: 404918
Ion Ratio Lower Upper
202 100
200 0.0 16.8 25.2#
203 226.0 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.299 ng
RT: 20.224 min Scan# 2293
Delta R.T. 0.116 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

Tgt Ion:244 Resp: 22468
Ion Ratio Lower Upper
244 100
212 207.4 7.0 10.4#
122 118.3 12.3 18.5#





#32

Benzo(a)anthracene

Concen: 166.347 ng

RT: 21.748 min Scan# 21

Delta R.T. 0.089 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :

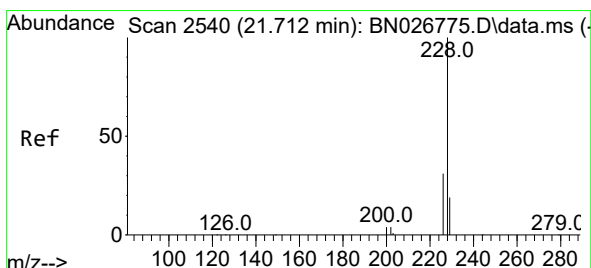
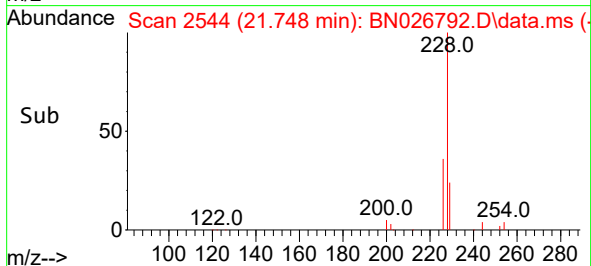
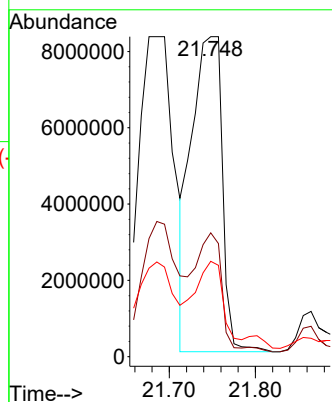
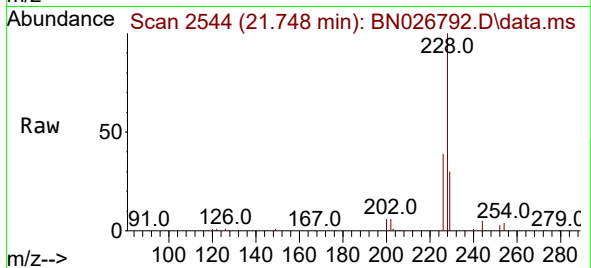
Tgt Ion:228 Resp:20552855

Ion Ratio Lower Upper

228 100

226 38.7 21.9 32.9#

229 29.8 15.8 23.8#



#33

Chrysene

Concen: 17.717 ng

RT: 21.865 min Scan# 2557

Delta R.T. 0.152 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

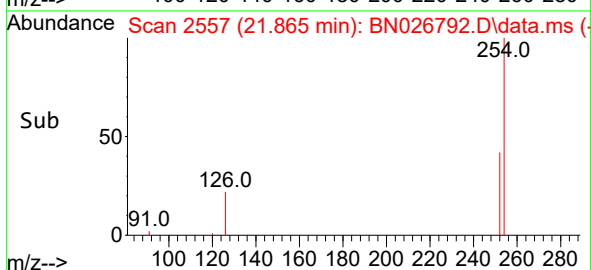
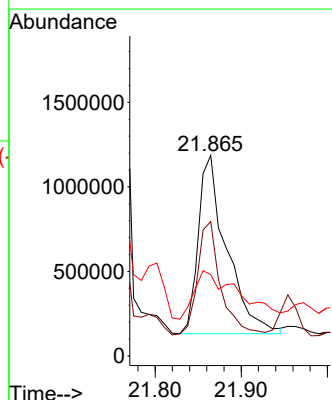
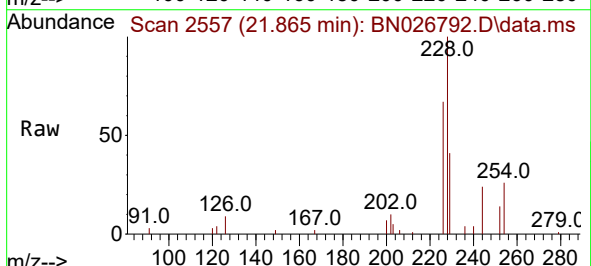
Tgt Ion:228 Resp: 2419862

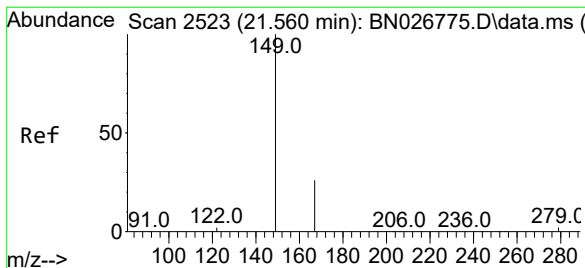
Ion Ratio Lower Upper

228 100

226 67.0 24.6 36.8#

229 40.6 15.4 23.2#

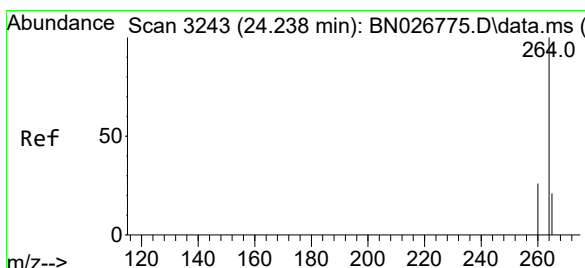
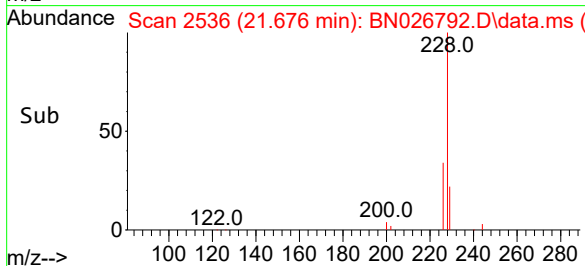
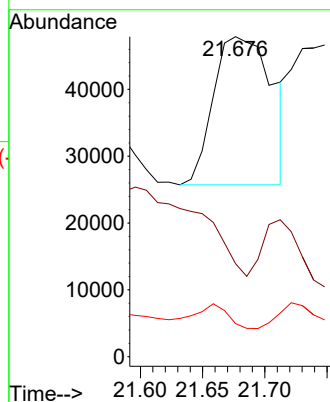
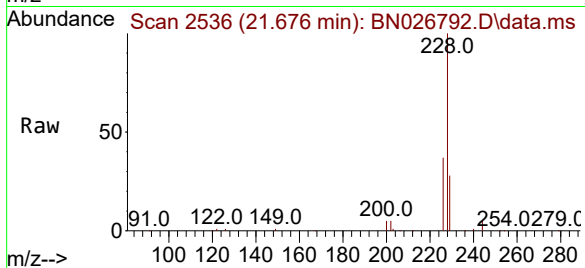




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.771 ng
RT: 21.676 min Scan# 216
Delta R.T. 0.116 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

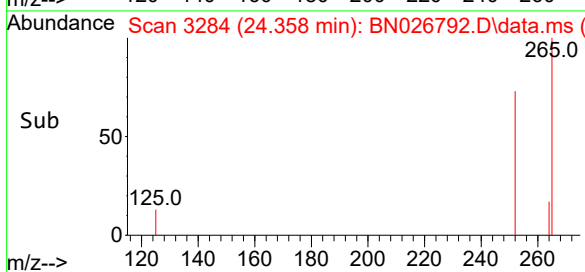
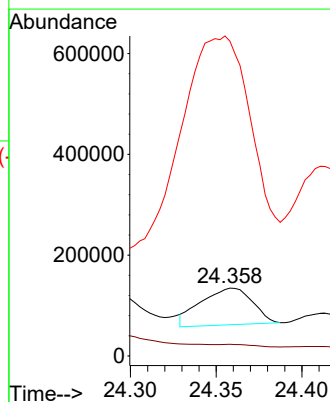
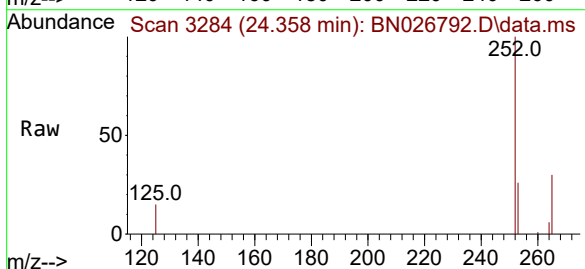
Instrument :
BNA_N
ClientSampleId :

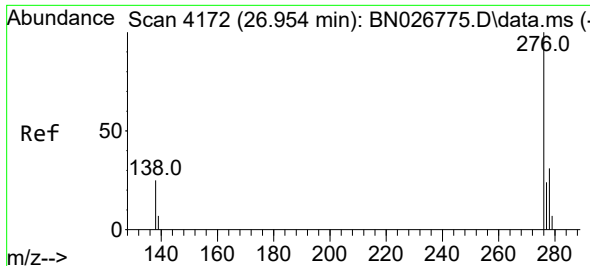
Tgt Ion:149 Resp: 72514
Ion Ratio Lower Upper
149 100
167 0.0 20.8 31.2#
279 9.8 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.358 min Scan# 3284
Delta R.T. 0.120 min
Lab File: BN026792.D
Acq: 02 Aug 2023 11:03

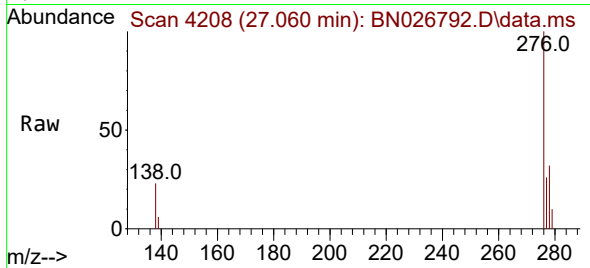
Tgt Ion:264 Resp: 153731
Ion Ratio Lower Upper
264 100
260 17.1 21.0 31.6#
265 463.5 22.6 33.8#



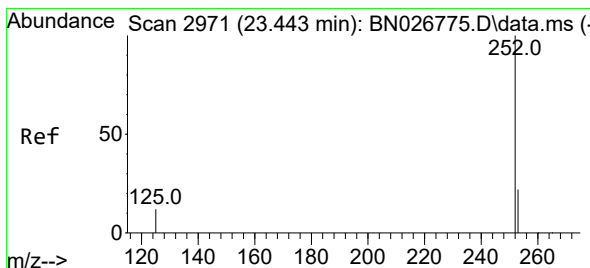
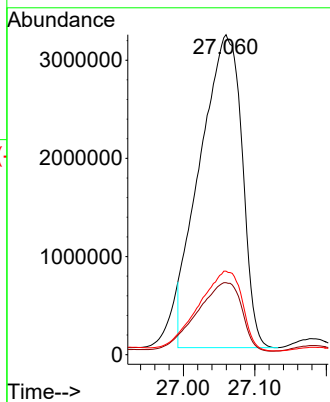
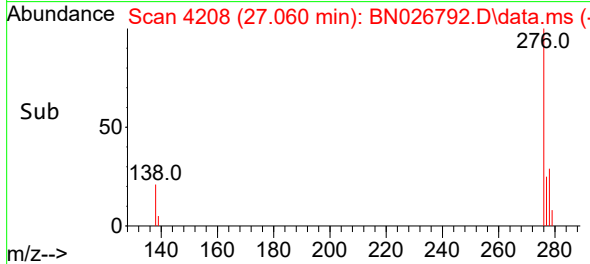


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 20.815 ng
 RT: 27.060 min Scan# 4172
 Delta R.T. 0.105 min
 Lab File: BN026792.D
 Acq: 02 Aug 2023 11:03

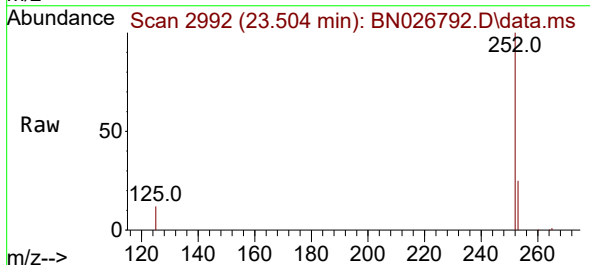
Instrument :
 BNA_N
 ClientSampleId :



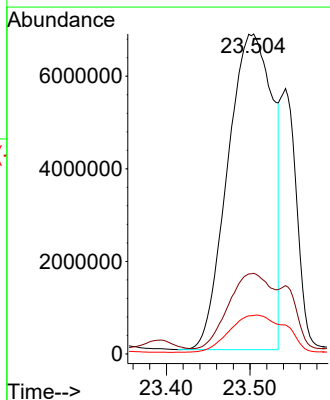
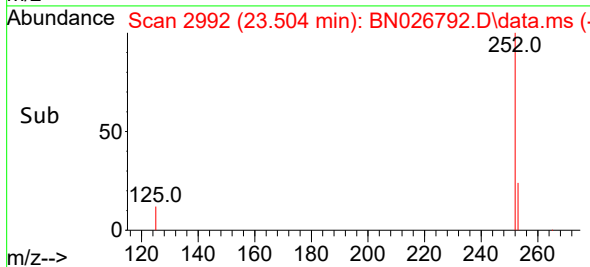
Tgt Ion:276 Resp:13057057
 Ion Ratio Lower Upper
 276 100
 138 22.3 22.8 34.2#
 277 25.6 19.9 29.9

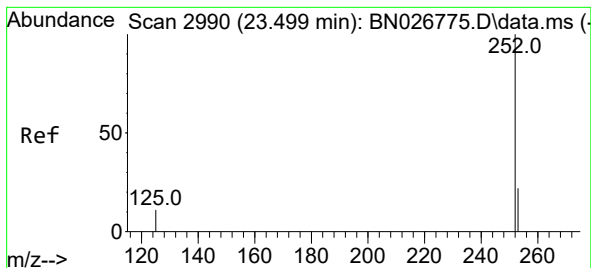


#37
 Benzo(b)fluoranthene
 Concen: 42.094 ng
 RT: 23.504 min Scan# 2992
 Delta R.T. 0.061 min
 Lab File: BN026792.D
 Acq: 02 Aug 2023 11:03



Tgt Ion:252 Resp:25462188
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.8 26.8
 125 12.1 10.8 16.2





#38

Benzo(k)fluoranthene

Concen: 11.003 ng

RT: 23.686 min Scan# 3054

Delta R.T. 0.187 min

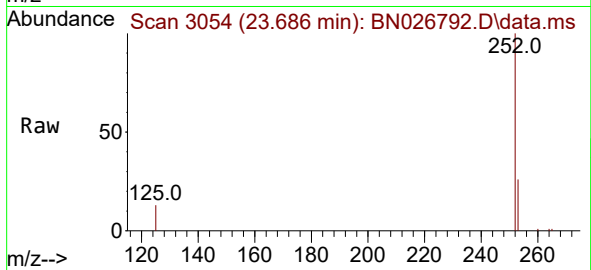
Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :



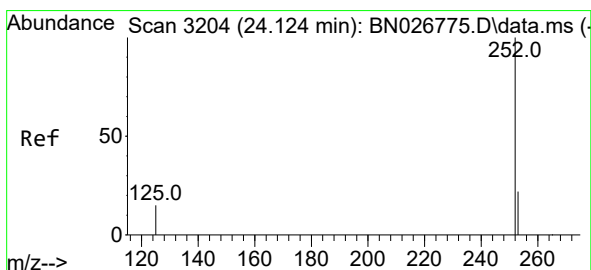
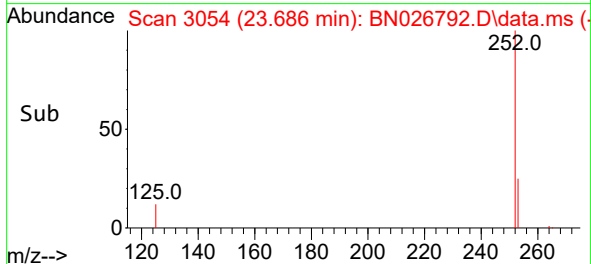
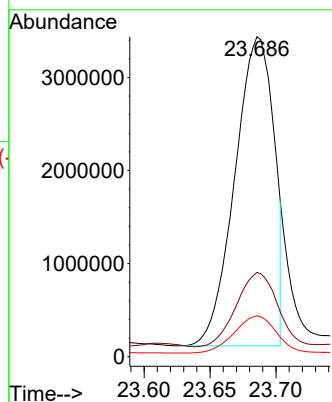
Tgt Ion:252 Resp: 6838397

Ion Ratio Lower Upper

252 100

253 26.4 18.0 27.0

125 12.7 9.4 14.2



#39

Benzo(a)pyrene

Concen: 11.127 ng

RT: 24.346 min Scan# 3280

Delta R.T. 0.222 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

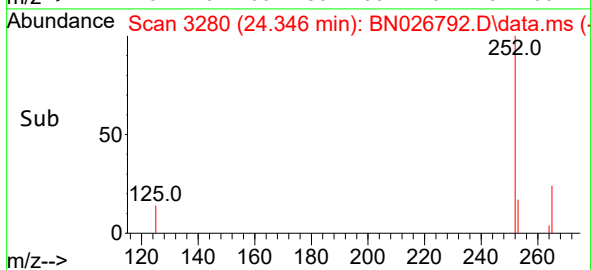
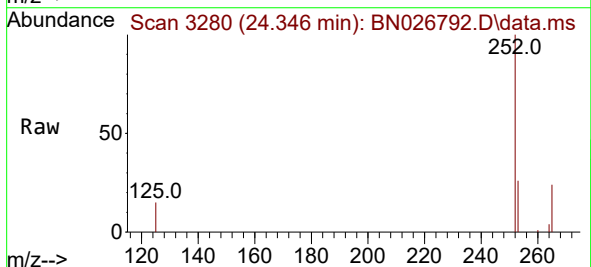
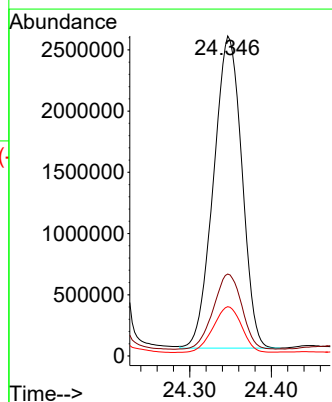
Tgt Ion:252 Resp: 6137394

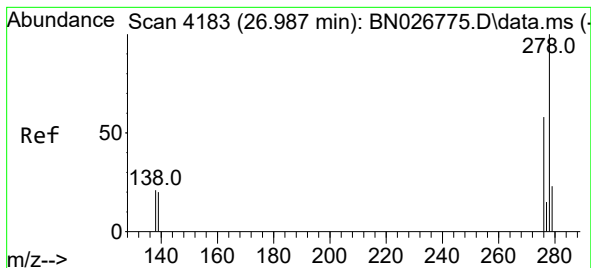
Ion Ratio Lower Upper

252 100

253 25.6 18.5 27.7

125 15.4 12.7 19.1





#40

Dibenzo(a,h)anthracene

Concen: 3.595 ng

RT: 27.179 min Scan# 41

Delta R.T. 0.193 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Instrument :

BNA_N

ClientSampleId :

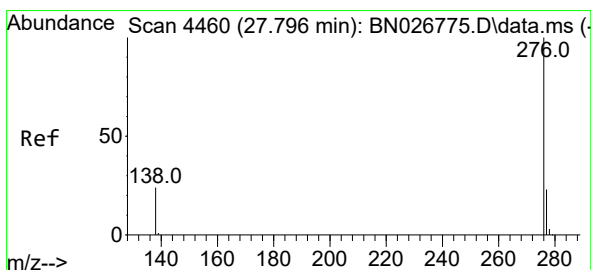
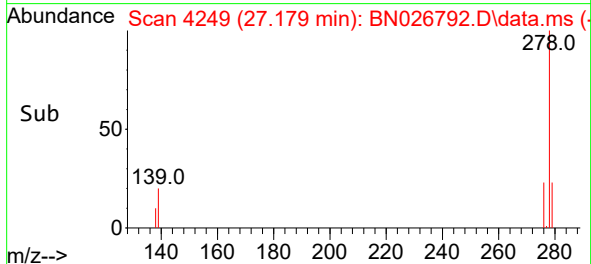
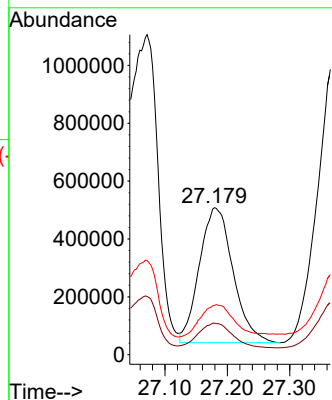
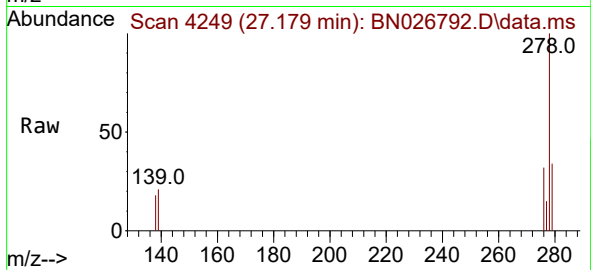
Tgt Ion:278 Resp: 1751838

Ion Ratio Lower Upper

278 100

139 21.5 16.8 25.2

279 33.7 19.5 29.3#



#41

Benzo(g,h,i)perylene

Concen: 26.585 ng

RT: 27.937 min Scan# 4508

Delta R.T. 0.140 min

Lab File: BN026792.D

Acq: 02 Aug 2023 11:03

Tgt Ion:276 Resp:15332933

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 22.6 19.8 29.6

