

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051123\
 Data File : BN025425.D
 Acq On : 12 May 2023 06:16
 Operator : CG/JU
 Sample : 02722-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CO-215237

Quant Time: May 12 06:46:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 00:57:16 2023
 Response via : Initial Calibration

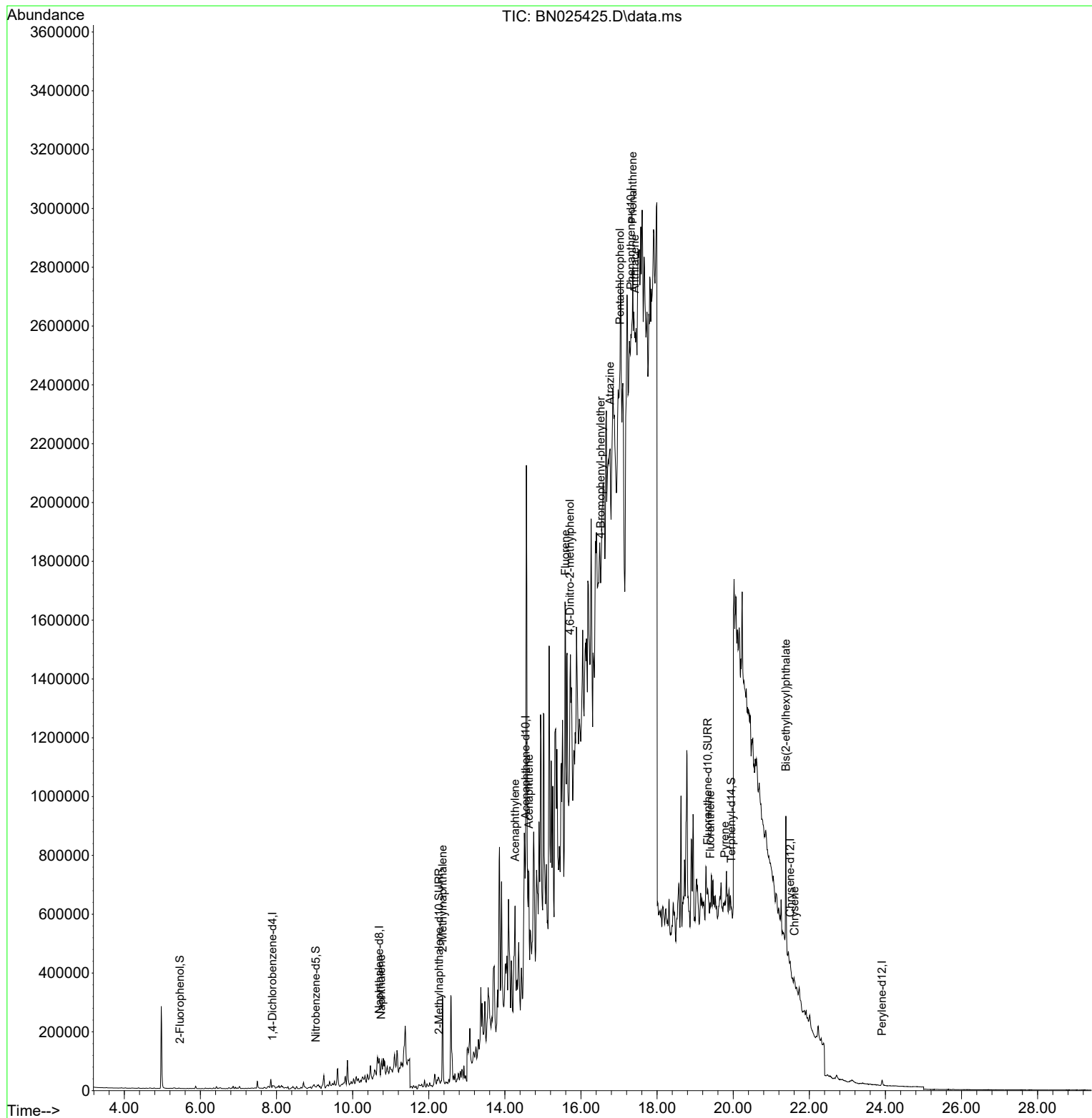
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.897	152	6830	0.400	ng	0.00
7) Naphthalene-d8	10.697	136	25691	0.400	ng	#-0.01
13) Acenaphthene-d10	14.544	164	69381	0.400	ng	# 0.00
19) Phenanthrene-d10	17.311	188	67482	0.400	ng	# 0.01
29) Chrysene-d12	21.500	240	26497	0.400	ng	# 0.00
35) Perylene-d12	23.913	264	24702	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	645	0.041	ng	0.00
5) Phenol-d6	7.045	99	60	0.003	ng	-0.04
8) Nitrobenzene-d5	9.031	82	3169	0.153	ng	-0.05
11) 2-Methylnaphthalene-d10	12.272	152	7300	0.215	ng	-0.03
14) 2,4,6-Tribromophenol	16.057	330	303	0.008	ng	0.00
15) 2-Fluorobiphenyl	13.165	172	1479	0.006	ng	-0.01
27) Fluoranthene-d10	19.334	212	139760	0.905	ng	0.00
31) Terphenyl-d14	19.954	244	6923	0.108	ng	0.03
Target Compounds						
9) Naphthalene	10.750	128	43510	0.672	ng	# 82
12) 2-Methylnaphthalene	12.362	142	200384	4.479	ng	95
16) Acenaphthylene	14.267	152	100349	0.311	ng	# 1
17) Acenaphthene	14.630	154	14867	0.078	ng	# 1
18) Fluorene	15.592	166	204255	0.809	ng	# 88
20) 4,6-Dinitro-2-methylph...	15.710	198	17924	2.809	ng	# 1
21) 4-Bromophenyl-phenylether	16.517	248	8314	0.218	ng	# 1
23) Atrazine	16.765	200	16337	0.529	ng	# 1
24) Pentachlorophenol	17.026	266	28228	1.320	ng	# 40
25) Phenanthrene	17.361	178	336410	1.842	ng	# 79
26) Anthracene	17.410	178	35605	0.201	ng	# 1
28) Fluoranthene	19.397	202	26093	0.123	ng	# 1
30) Pyrene	19.781	202	38555	0.345	ng	# 1
33) Chrysene	21.607	228	1769	0.020	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.383	149	375519	4.314	ng	95

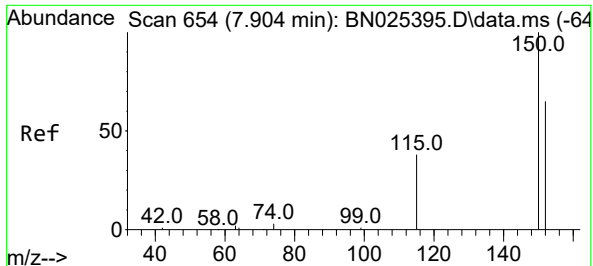
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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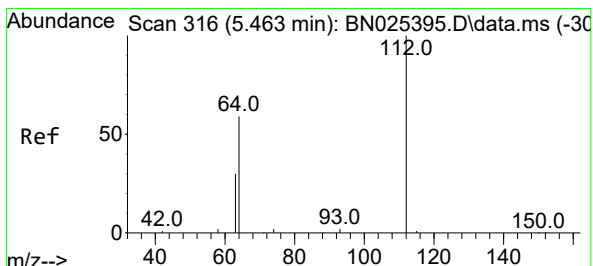
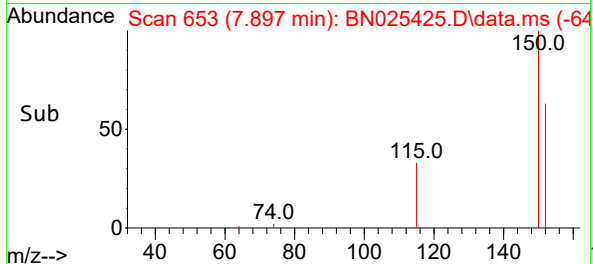
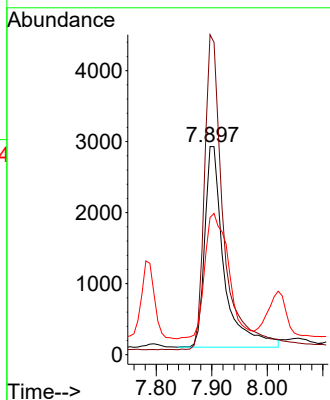
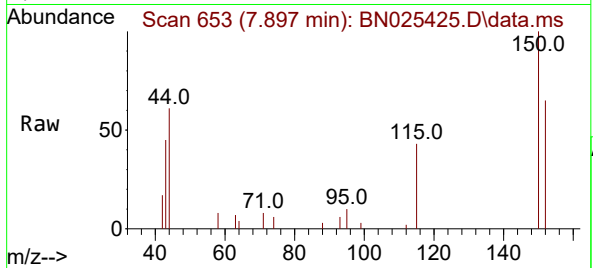




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

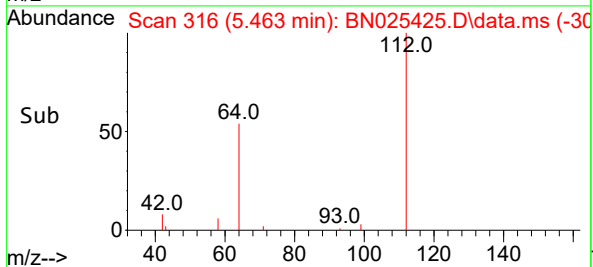
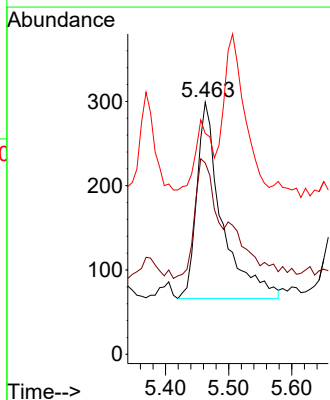
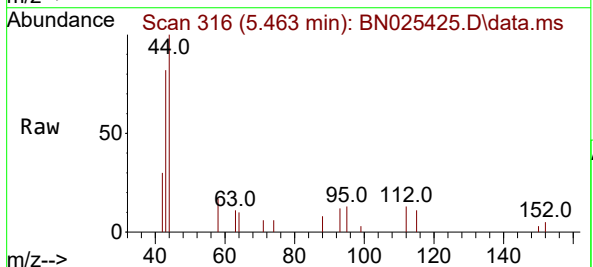
Instrument :
BNA_N
ClientSampleId :
CO-215237

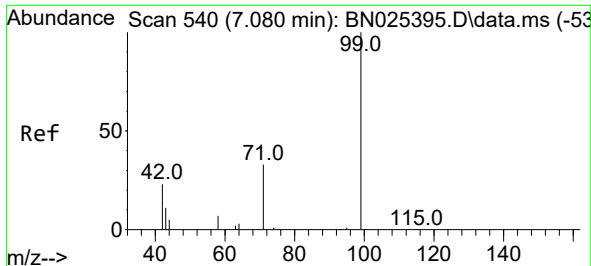
Tgt Ion:152 Resp: 6830
Ion Ratio Lower Upper
152 100
150 153.7 121.4 182.2
115 65.9 50.6 76.0



#4
2-Fluorophenol
Concen: 0.041 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.000 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:112 Resp: 645
Ion Ratio Lower Upper
112 100
64 51.2 51.9 77.9#
63 21.9 27.4 41.2#

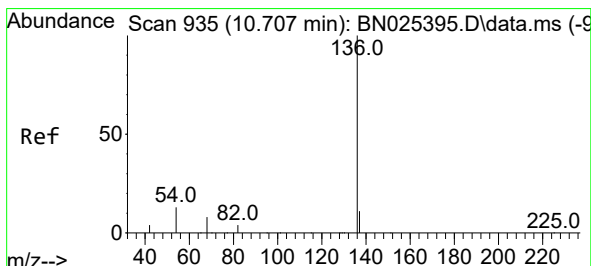
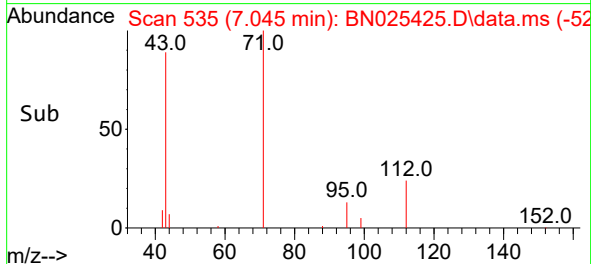
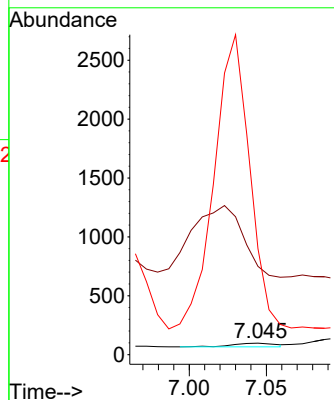
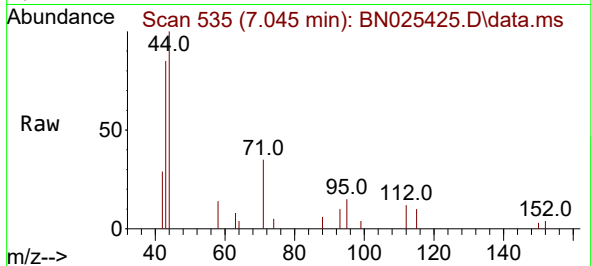




#5
Phenol-d6
Concen: 0.003 ng
RT: 7.045 min Scan# 51
Delta R.T. -0.036 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

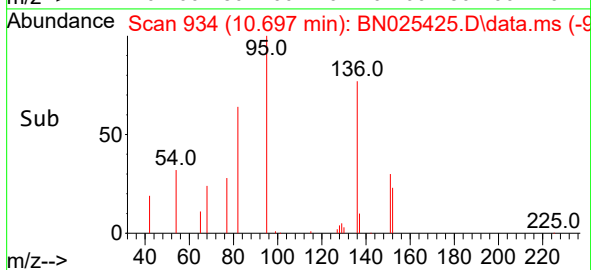
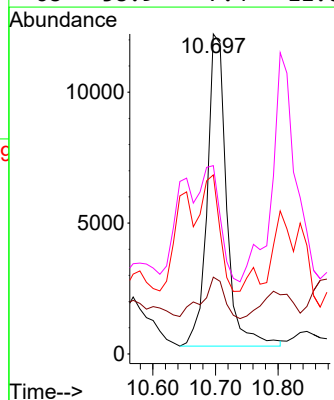
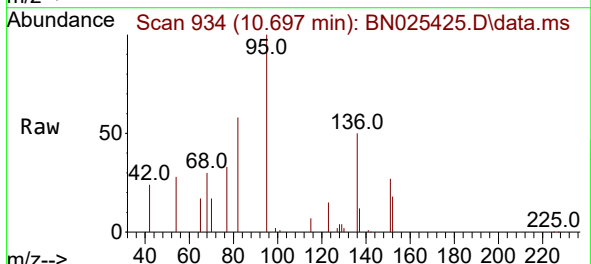
Instrument :
BNA_N
ClientSampleId :
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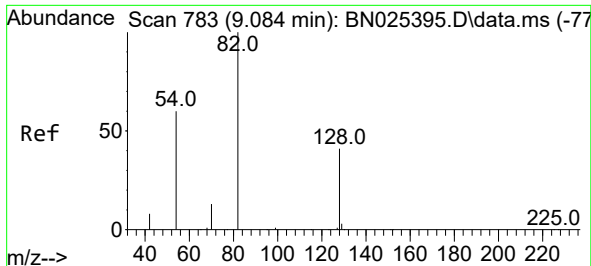
Tgt Ion: 99 Resp: 60
Ion Ratio Lower Upper
99 100
42 0.0 23.5 35.3#
71 0.0 28.1 42.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.697 min Scan# 934
Delta R.T. -0.010 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:136 Resp: 25691
Ion Ratio Lower Upper
136 100
137 24.0 9.1 13.7#
54 55.9 11.2 16.8#
68 58.9 7.4 11.0#

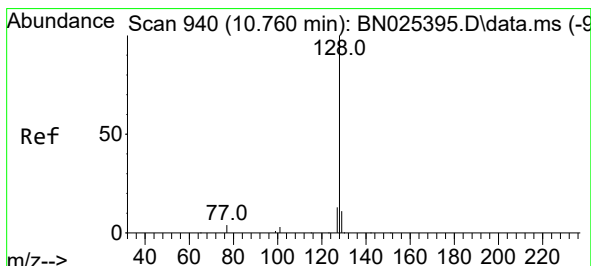
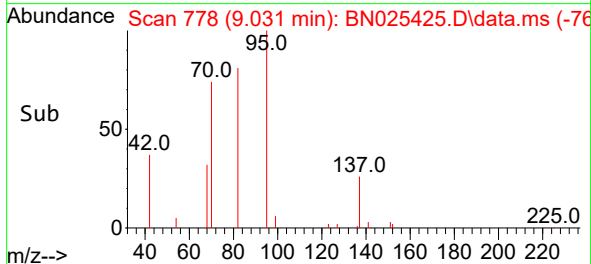
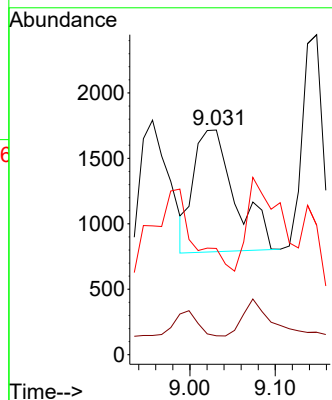
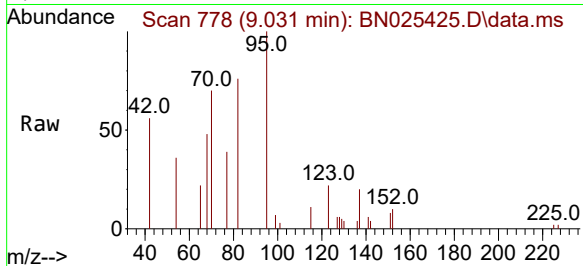




#8
Nitrobenzene-d5
Concen: 0.153 ng
RT: 9.031 min Scan# 71
Delta R.T. -0.053 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

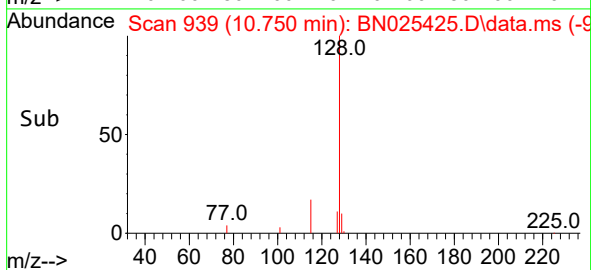
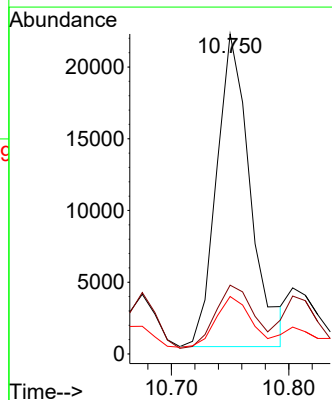
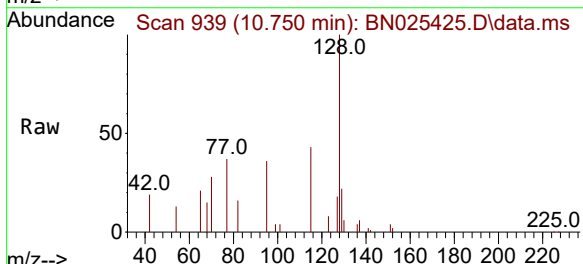
Instrument :
BNA_N
ClientSampleId :
CO-215237

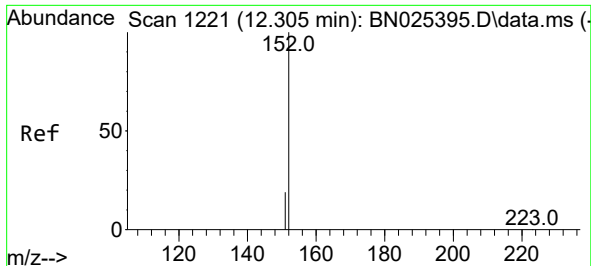
Tgt Ion: 82 Resp: 3169
Ion Ratio Lower Upper
82 100
128 8.4 35.8 53.8#
54 47.3 50.4 75.6#



#9
Naphthalene
Concen: 0.672 ng
RT: 10.750 min Scan# 939
Delta R.T. -0.010 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion: 128 Resp: 43510
Ion Ratio Lower Upper
128 100
129 21.5 9.3 13.9#
127 18.0 10.8 16.2#





#11

2-Methylnaphthalene-d10

Concen: 0.215 ng

RT: 12.272 min Scan# 11

Delta R.T. -0.034 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

Instrument :

BNA_N

ClientSampleId :

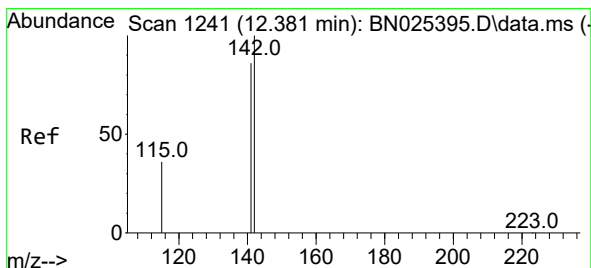
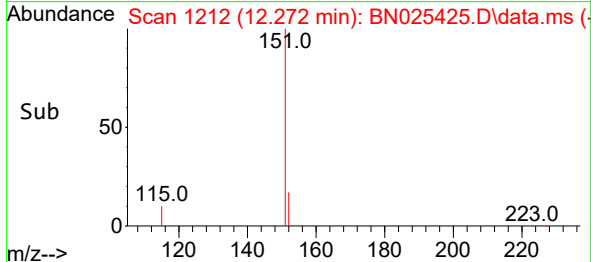
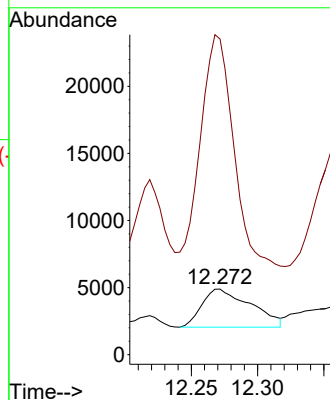
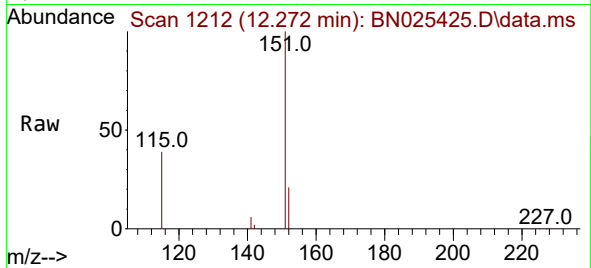
CO-215237

Tgt Ion:152 Resp: 7300

Ion Ratio Lower Upper

152 100

151 403.3 16.1 24.1#



#12

2-Methylnaphthalene

Concen: 4.479 ng

RT: 12.362 min Scan# 1236

Delta R.T. -0.019 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

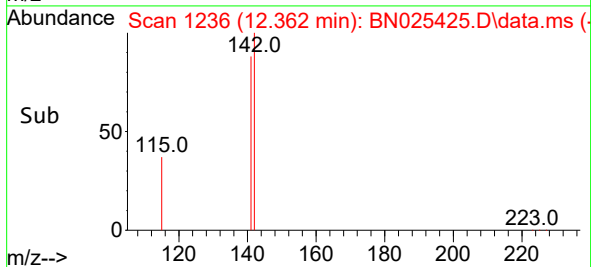
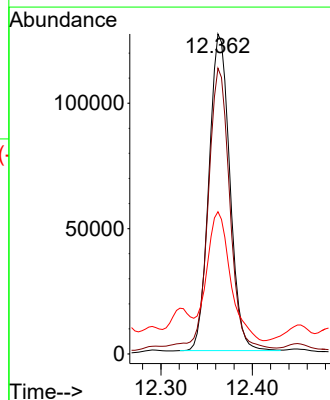
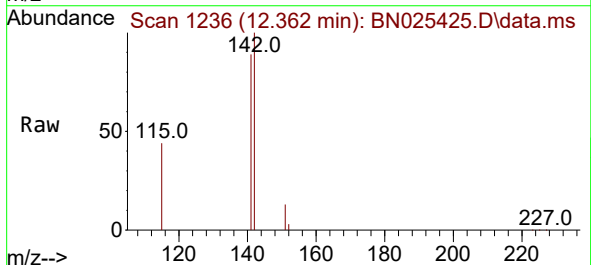
Tgt Ion:142 Resp: 200384

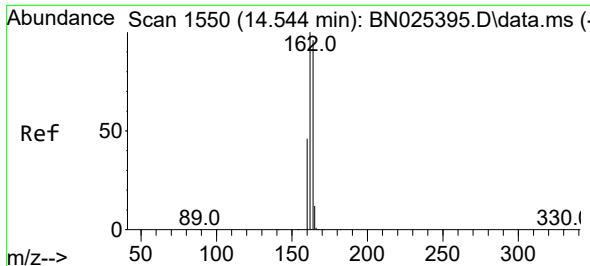
Ion Ratio Lower Upper

142 100

141 89.3 69.3 103.9

115 44.4 30.2 45.4

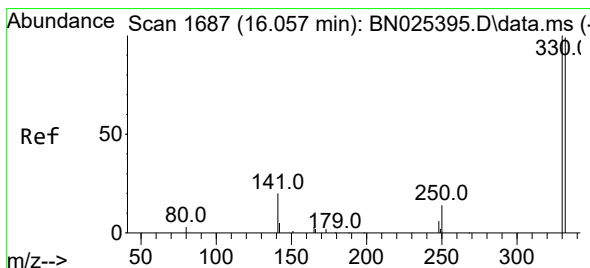
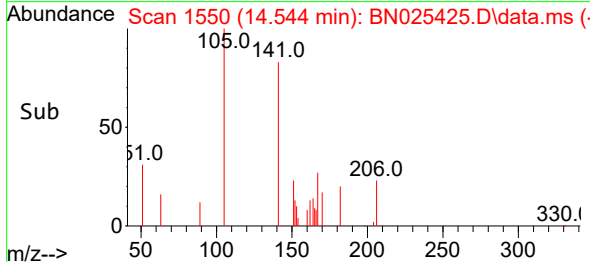
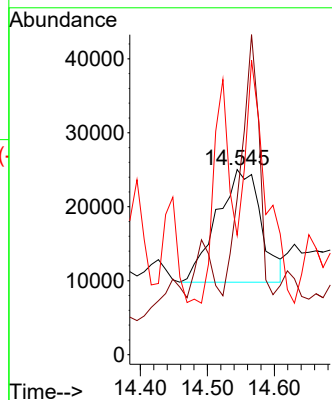
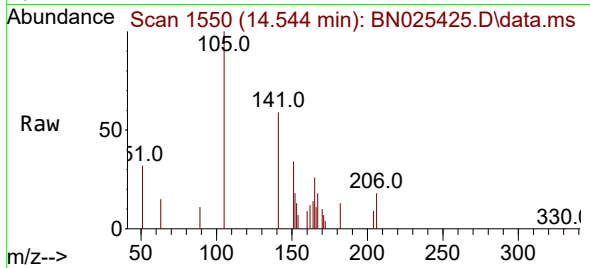




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

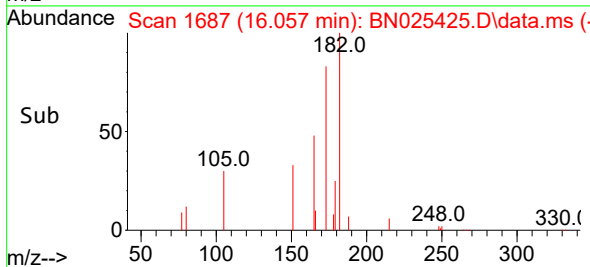
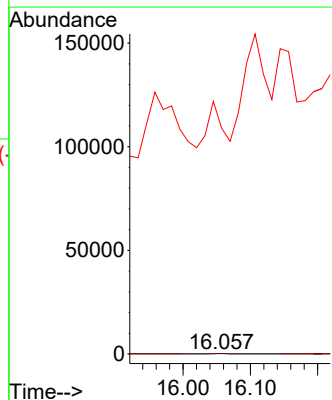
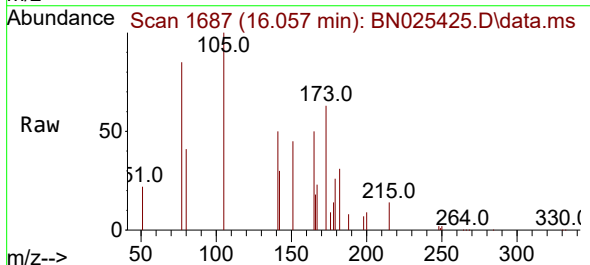
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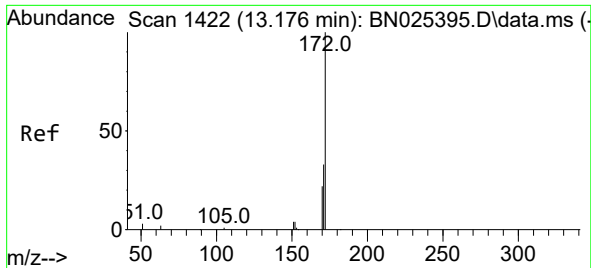
Tgt Ion:164 Resp: 69381
Ion Ratio Lower Upper
164 100
162 84.3 83.2 124.8
160 64.5 38.8 58.2#



#14
2,4,6-Tribromophenol
Concen: 0.008 ng
RT: 16.057 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:330 Resp: 303
Ion Ratio Lower Upper
330 100
332 90.1 78.0 117.0
141 10042.2 30.2 45.2#

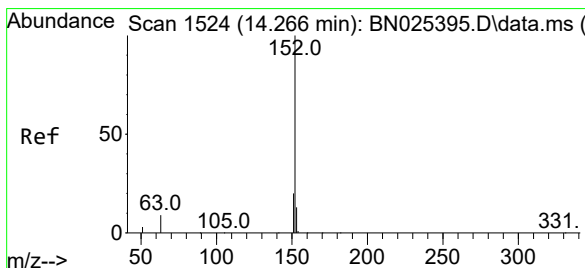
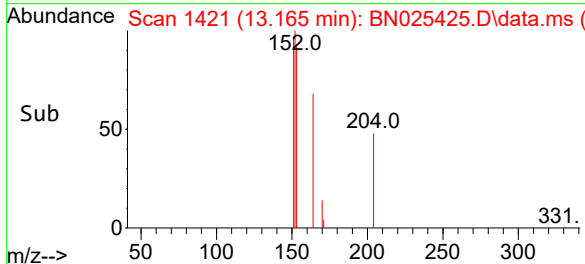
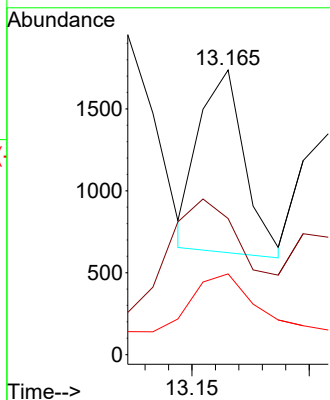
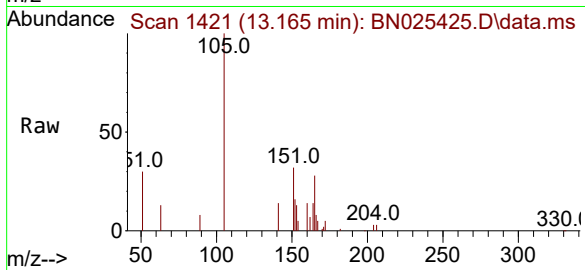




#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 13.165 min Scan# 1422
Delta R.T. -0.010 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

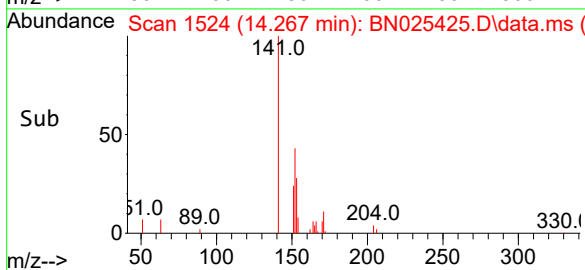
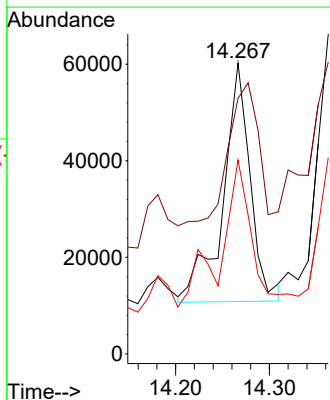
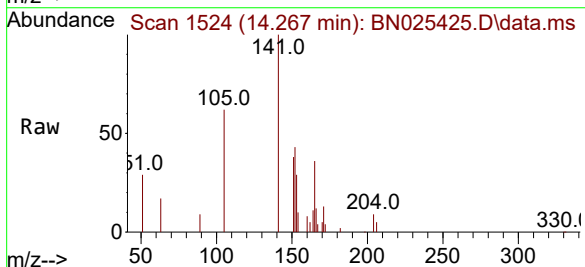
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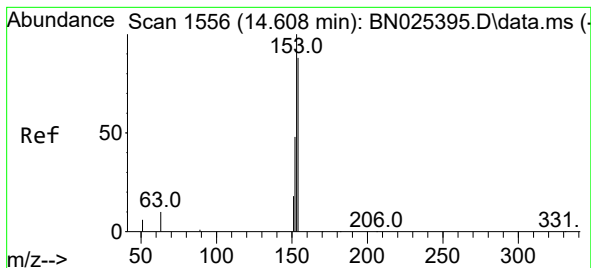
Tgt Ion:172 Resp: 1479
Ion Ratio Lower Upper
172 100
171 47.8 26.7 40.1#
170 28.4 17.8 26.8#



#16
Acenaphthylene
Concen: 0.311 ng
RT: 14.267 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:152 Resp: 100349
Ion Ratio Lower Upper
152 100
151 92.2 15.9 23.9#
153 70.7 10.7 16.1#





#17

Acenaphthene

Concen: 0.078 ng

RT: 14.630 min Scan# 11

Delta R.T. 0.022 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

Instrument :

BNA_N

ClientSampleId :

CO-215237

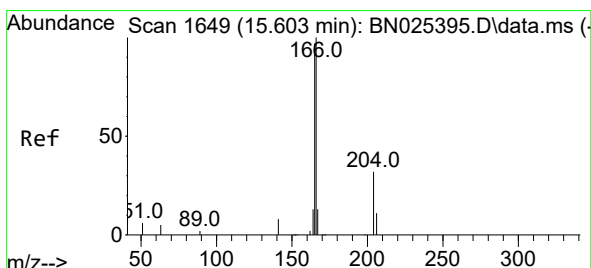
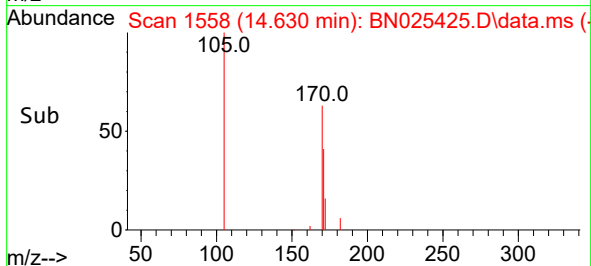
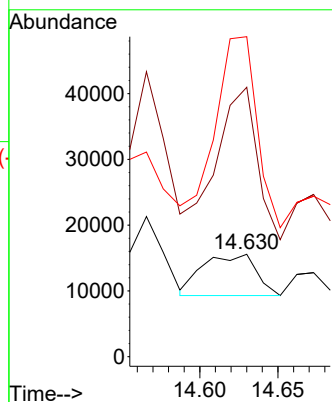
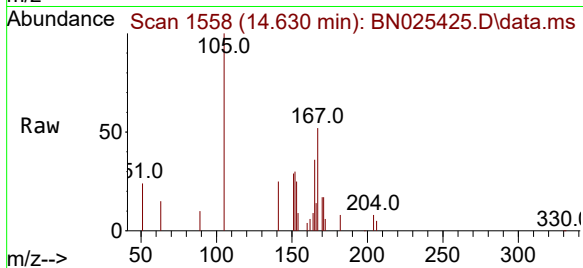
Tgt Ion:154 Resp: 14867

Ion Ratio Lower Upper

154 100

153 281.7 91.7 137.5#

152 362.0 44.6 66.8#



#18

Fluorene

Concen: 0.809 ng

RT: 15.592 min Scan# 1648

Delta R.T. -0.010 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

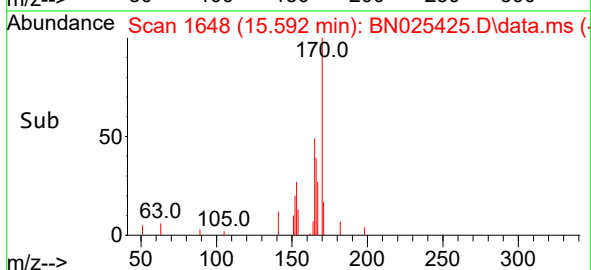
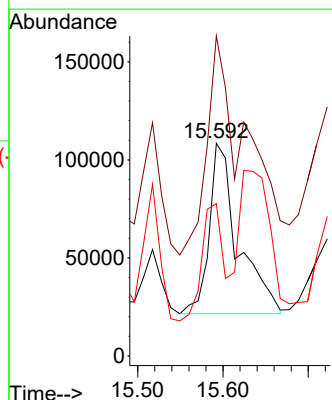
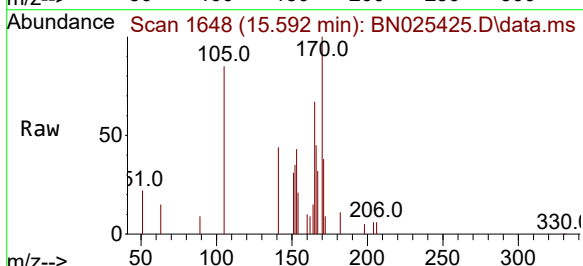
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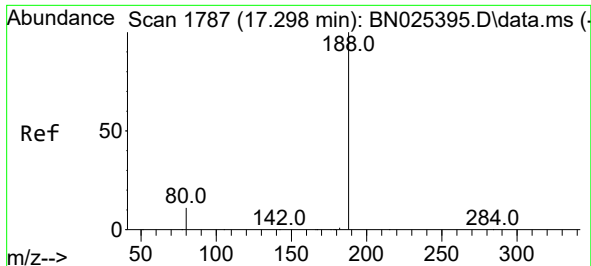
Ion Ratio Lower Upper

166 100

165 99.3 78.7 118.1

167 49.4 10.7 16.1#

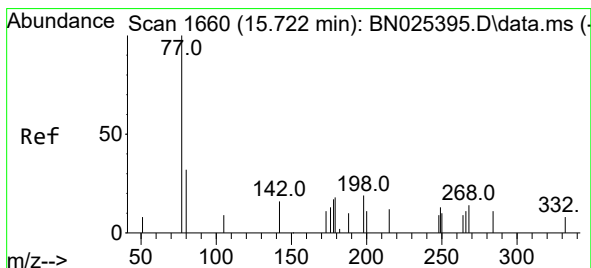
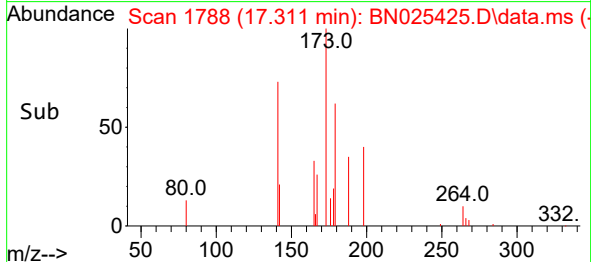
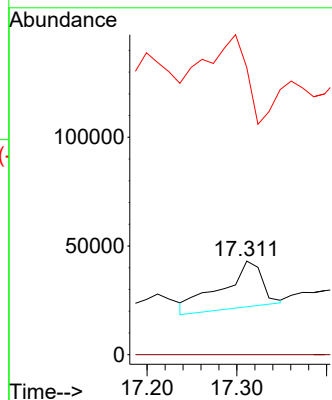
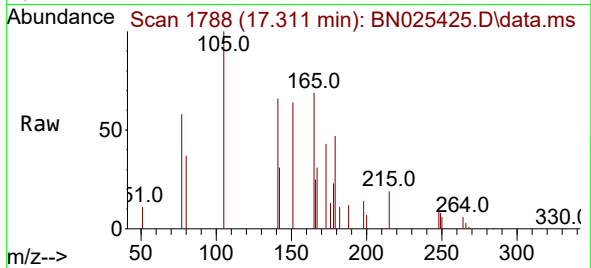




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.311 min Scan# 11
Delta R.T. 0.013 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

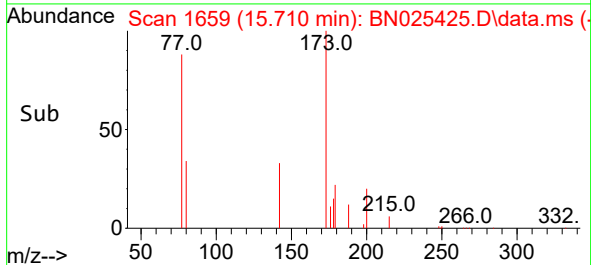
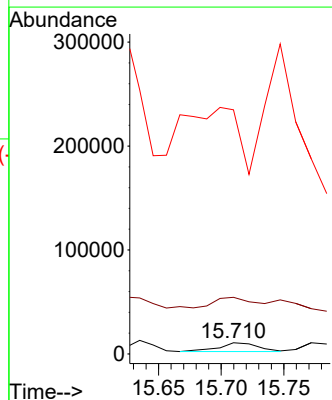
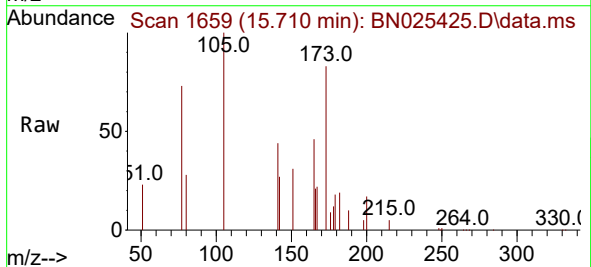
Instrument :
BNA_N
ClientSampleId :
CO-215237

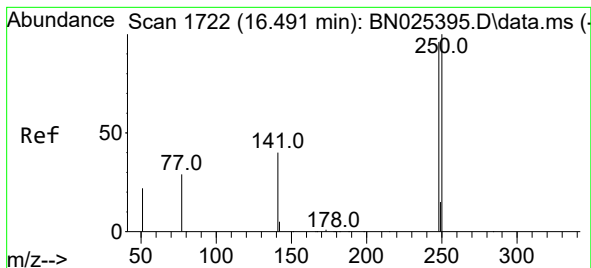
Tgt Ion:188 Resp: 67482
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 306.7 9.4 14.2#



#20
4,6-Dinitro-2-methylphenol
Concen: 2.809 ng
RT: 15.710 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:198 Resp: 17924
Ion Ratio Lower Upper
198 100
51 502.0 259.2 388.8#
105 2164.8 112.6 168.8#

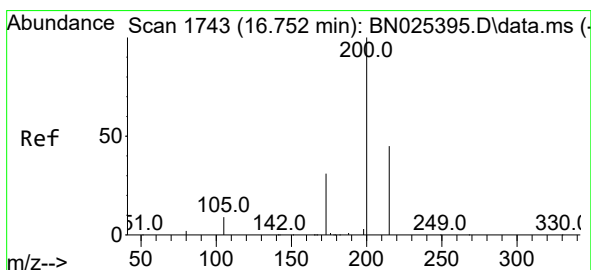
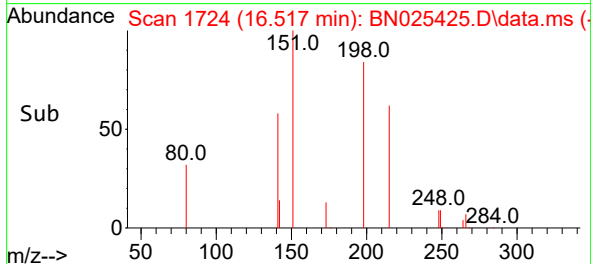
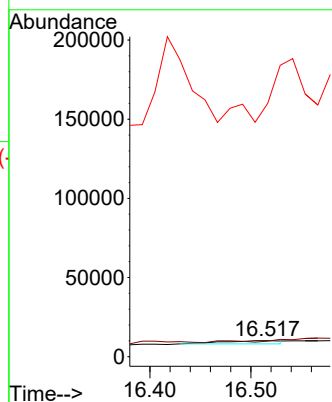
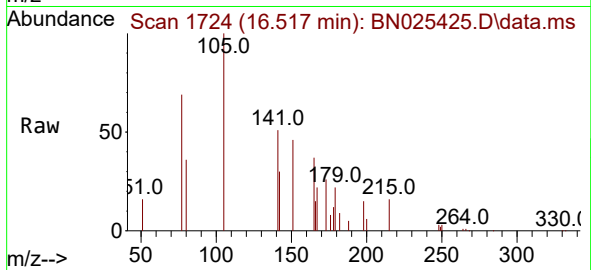




#21
4-Bromophenyl-phenylether
Concen: 0.218 ng
RT: 16.517 min Scan# 1724
Delta R.T. 0.025 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

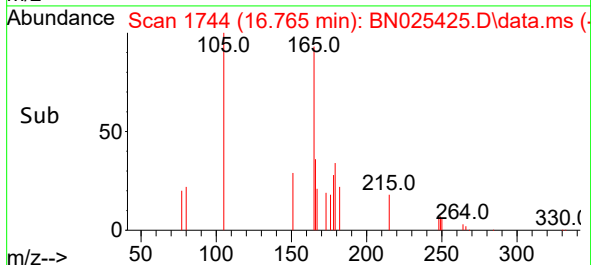
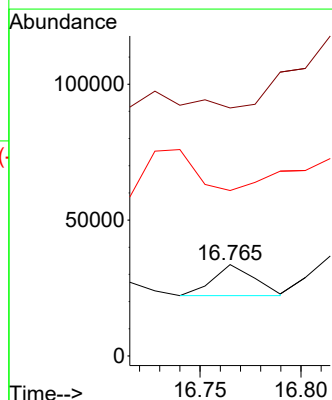
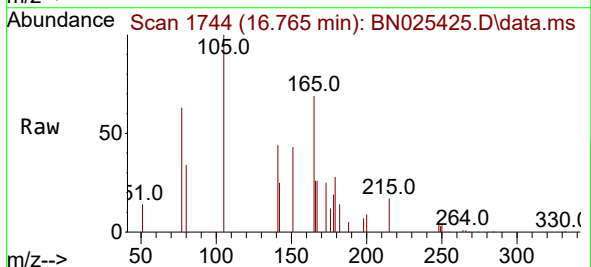
Instrument :
BNA_N
ClientSampleId :
CO-215237

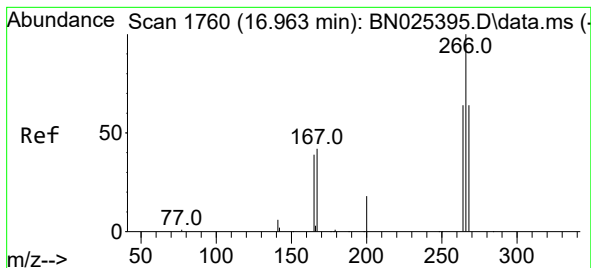
Tgt Ion:248 Resp: 8314
Ion Ratio Lower Upper
248 100
250 97.6 83.1 124.7
141 1587.6 35.0 52.6#



#23
Atrazine
Concen: 0.529 ng
RT: 16.765 min Scan# 1744
Delta R.T. 0.013 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:200 Resp: 16337
Ion Ratio Lower Upper
200 100
173 271.6 26.5 39.7#
215 181.2 37.0 55.4#





#24

Pentachlorophenol

Concen: 1.320 ng

RT: 17.026 min Scan# 1765

Delta R.T. 0.063 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

Instrument :

BNA_N

ClientSampleId :

CO-215237

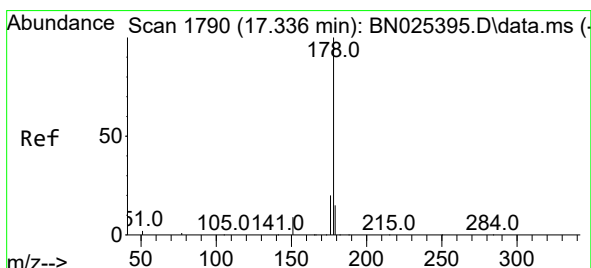
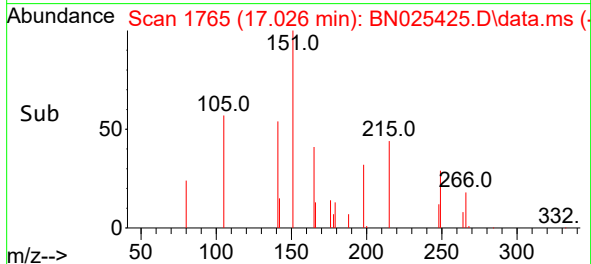
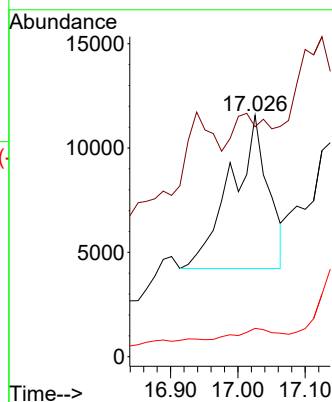
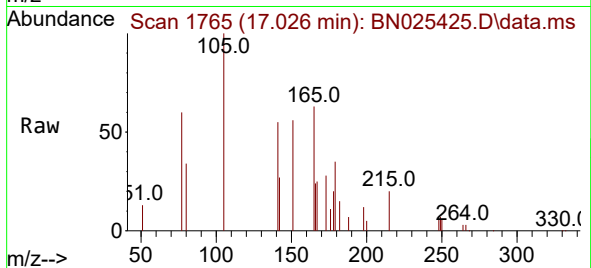
Tgt Ion:266 Resp: 28228

Ion Ratio Lower Upper

266 100

264 20.8 50.1 75.1#

268 10.6 49.3 73.9#



#25

Phenanthrene

Concen: 1.842 ng

RT: 17.361 min Scan# 1792

Delta R.T. 0.025 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

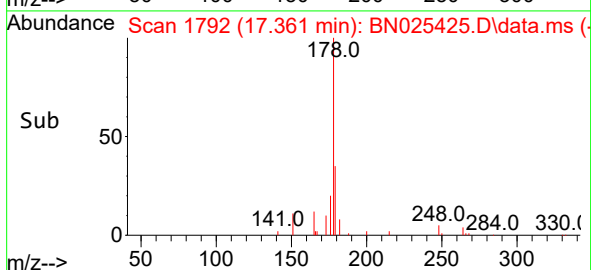
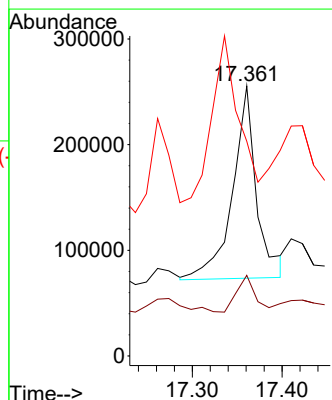
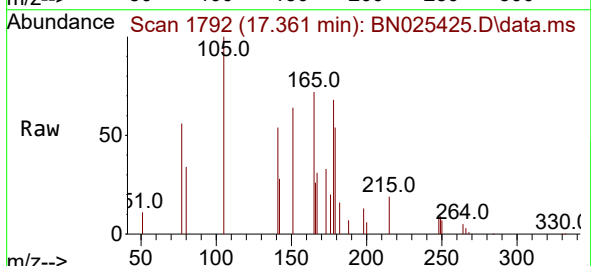
Tgt Ion:178 Resp: 336410

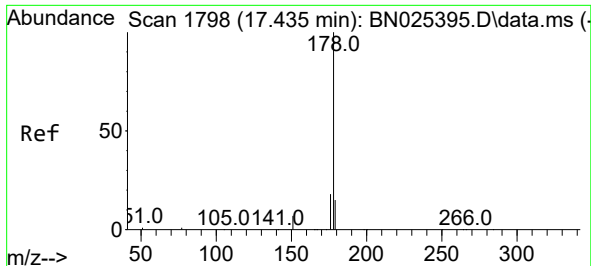
Ion Ratio Lower Upper

178 100

176 15.3 15.3 22.9#

179 0.0 12.1 18.1#

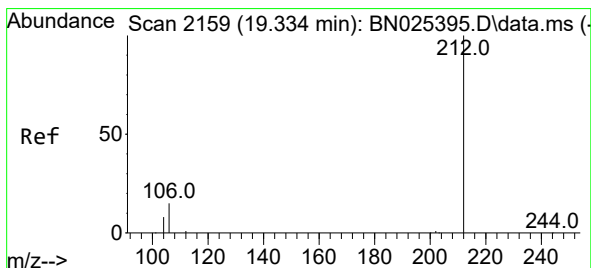
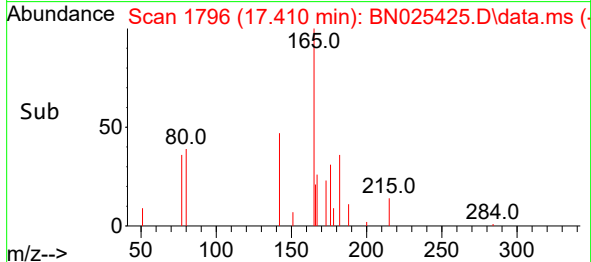
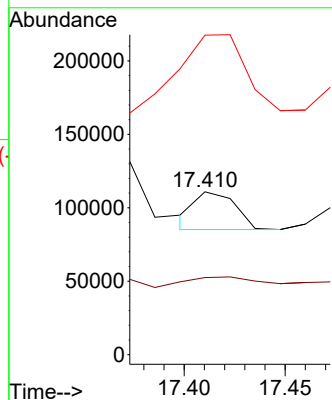
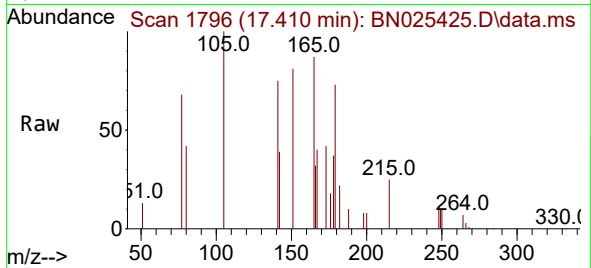




#26
 Anthracene
 Concen: 0.201 ng
 RT: 17.410 min Scan# 1796
 Delta R.T. -0.025 min
 Lab File: BN025425.D
 Acq: 12 May 2023 06:16

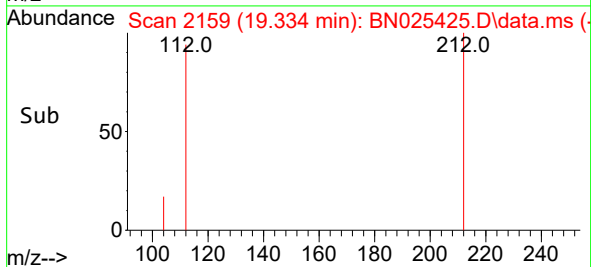
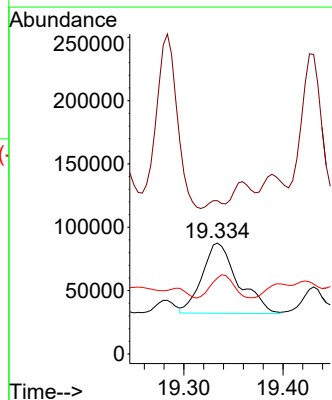
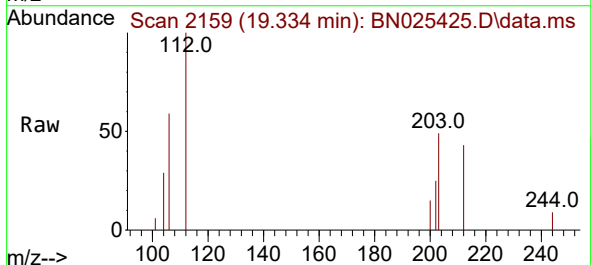
Instrument :
 BNA_N
 ClientSampleId :
 CO-215237

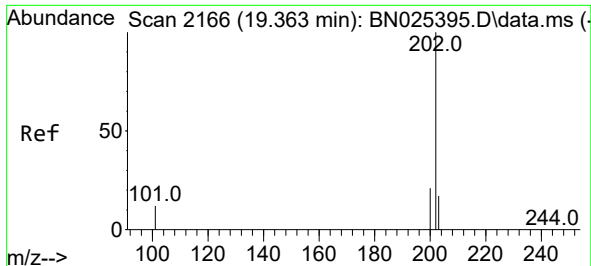
Tgt Ion:178 Resp: 35605
 Ion Ratio Lower Upper
 178 100
 176 51.8 15.0 22.4#
 179 349.8 12.0 18.0#



#27
 Fluoranthene-d10
 Concen: 0.905 ng
 RT: 19.334 min Scan# 2159
 Delta R.T. 0.000 min
 Lab File: BN025425.D
 Acq: 12 May 2023 06:16

Tgt Ion:212 Resp: 139760
 Ion Ratio Lower Upper
 212 100
 106 4.5 12.6 19.0#
 104 19.9 7.0 10.4#

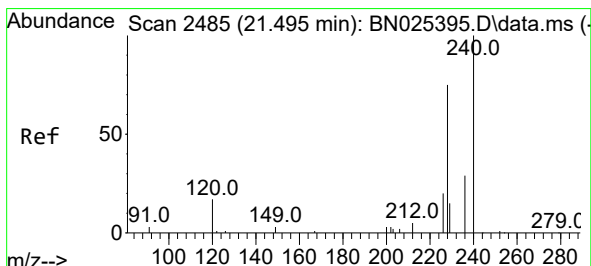
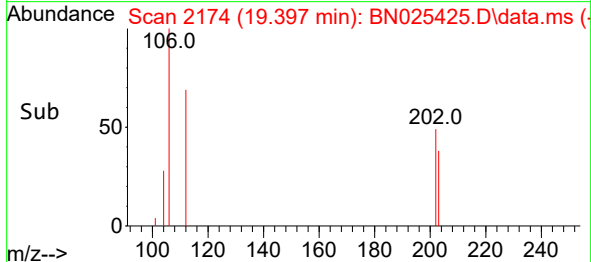
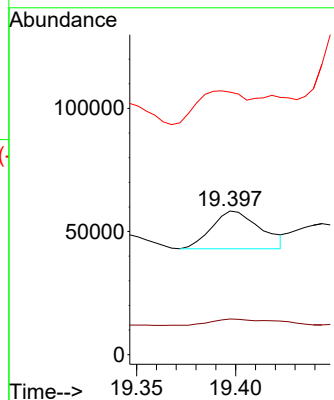
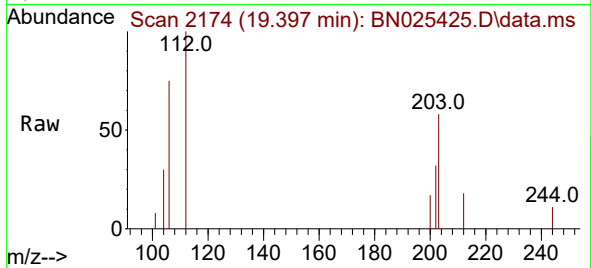




#28
Fluoranthene
Concen: 0.123 ng
RT: 19.397 min Scan# 2174
Delta R.T. 0.034 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

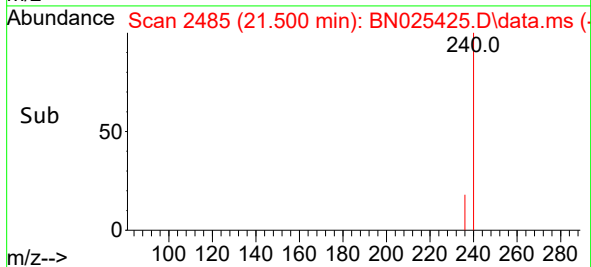
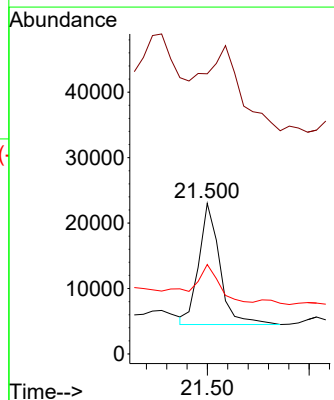
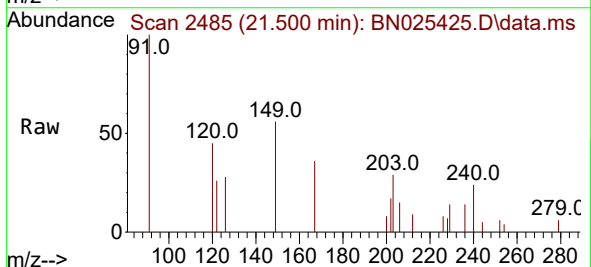
Instrument :
BNA_N
ClientSampleId :
CO-215237

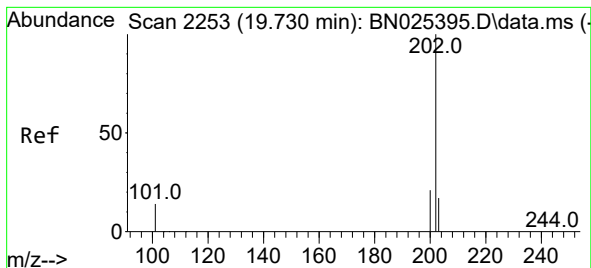
Tgt Ion:202 Resp: 26093
Ion Ratio Lower Upper
202 100
101 21.8 9.8 14.8#
203 86.3 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.500 min Scan# 2485
Delta R.T. 0.005 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Tgt Ion:240 Resp: 26497
Ion Ratio Lower Upper
240 100
120 186.0 19.0 28.6#
236 59.3 25.0 37.6#





#30

Pyrene

Concen: 0.345 ng

RT: 19.781 min Scan# 21

Delta R.T. 0.051 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

Instrument :

BNA_N

ClientSampleId :

CO-215237

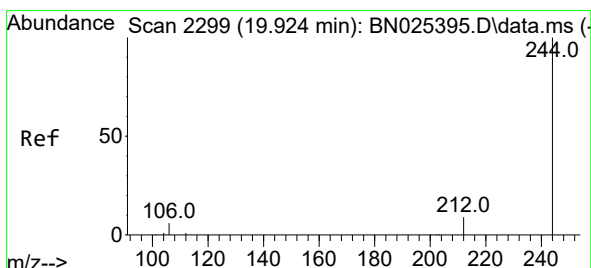
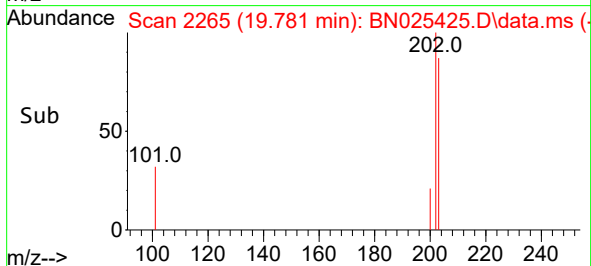
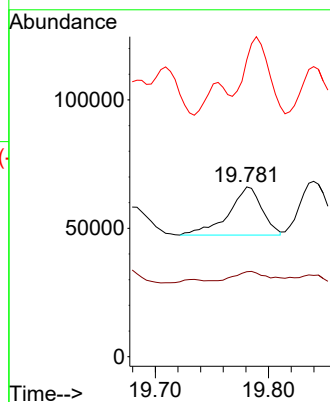
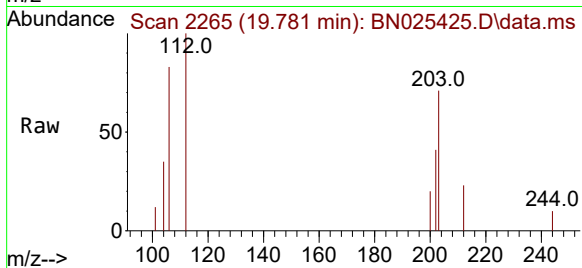
Tgt Ion:202 Resp: 38555

Ion Ratio Lower Upper

202 100

200 32.7 16.8 25.2#

203 128.1 14.4 21.6#



#31

Terphenyl-d14

Concen: 0.108 ng

RT: 19.954 min Scan# 2306

Delta R.T. 0.030 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

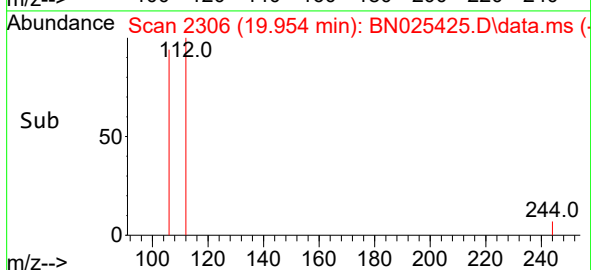
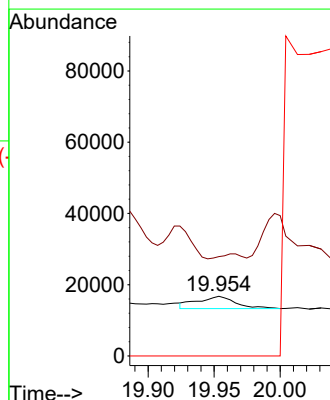
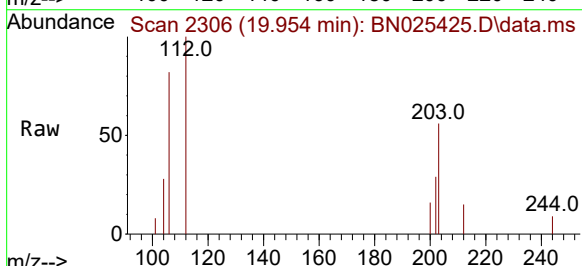
Tgt Ion:244 Resp: 6923

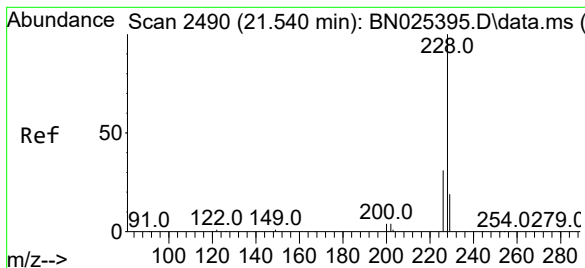
Ion Ratio Lower Upper

244 100

212 166.6 7.5 11.3#

122 0.0 0.0 0.0





#33

Chrysene

Concen: 0.020 ng

RT: 21.607 min Scan# 2490

Delta R.T. 0.068 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

Instrument :

BNA_N

ClientSampleId :

CO-215237

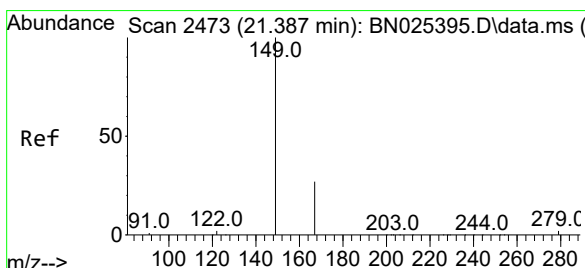
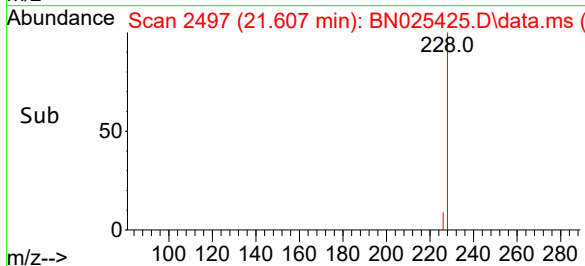
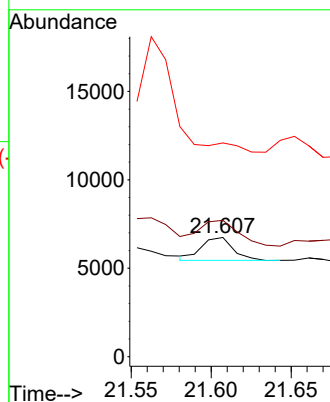
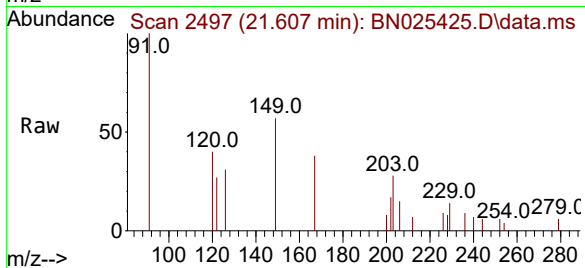
Tgt Ion:228 Resp: 1769

Ion Ratio Lower Upper

228 100

226 114.4 25.8 38.6#

229 179.3 17.9 26.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 4.314 ng

RT: 21.383 min Scan# 2472

Delta R.T. -0.004 min

Lab File: BN025425.D

Acq: 12 May 2023 06:16

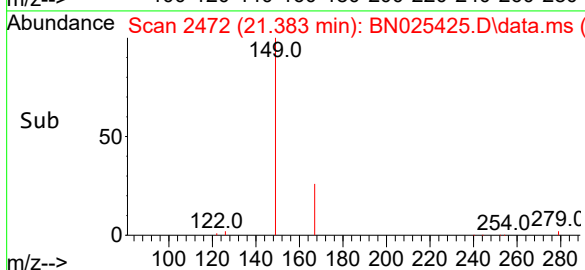
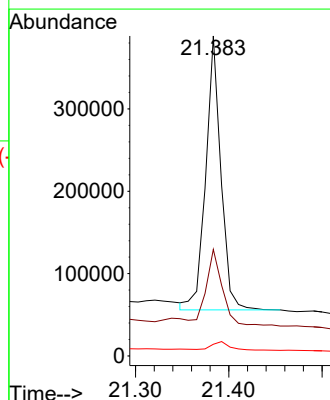
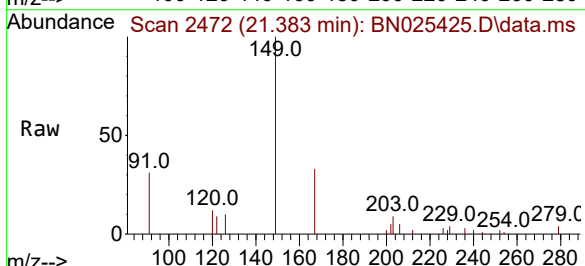
Tgt Ion:149 Resp: 375519

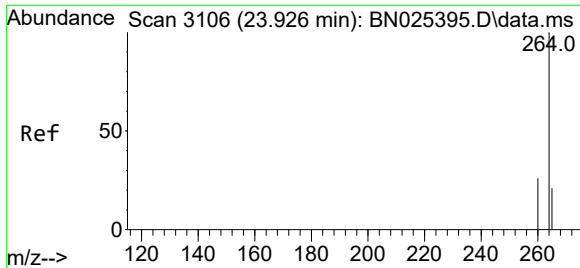
Ion Ratio Lower Upper

149 100

167 30.3 21.7 32.5

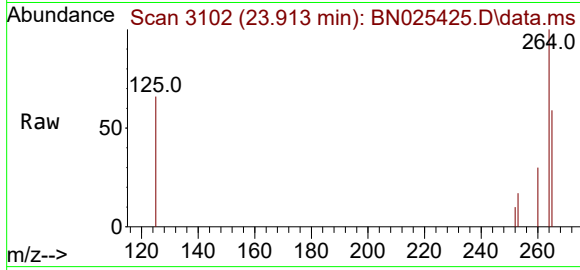
279 3.8 3.0 4.4





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.913 min Scan# 31
Delta R.T. -0.013 min
Lab File: BN025425.D
Acq: 12 May 2023 06:16

Instrument :
BNA_N
ClientSampleId :
CO-215237



Tgt Ion:264 Resp: 24702

Ion	Ratio	Lower	Upper
264	100		
260	29.6	23.5	35.3
265	58.8	50.9	76.3

