

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051223\
 Data File : BN025432.D
 Acq On : 12 May 2023 12:30
 Operator : CG/JU
 Sample : 02722-02DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CO-72533DL

Quant Time: May 12 13:14:28 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

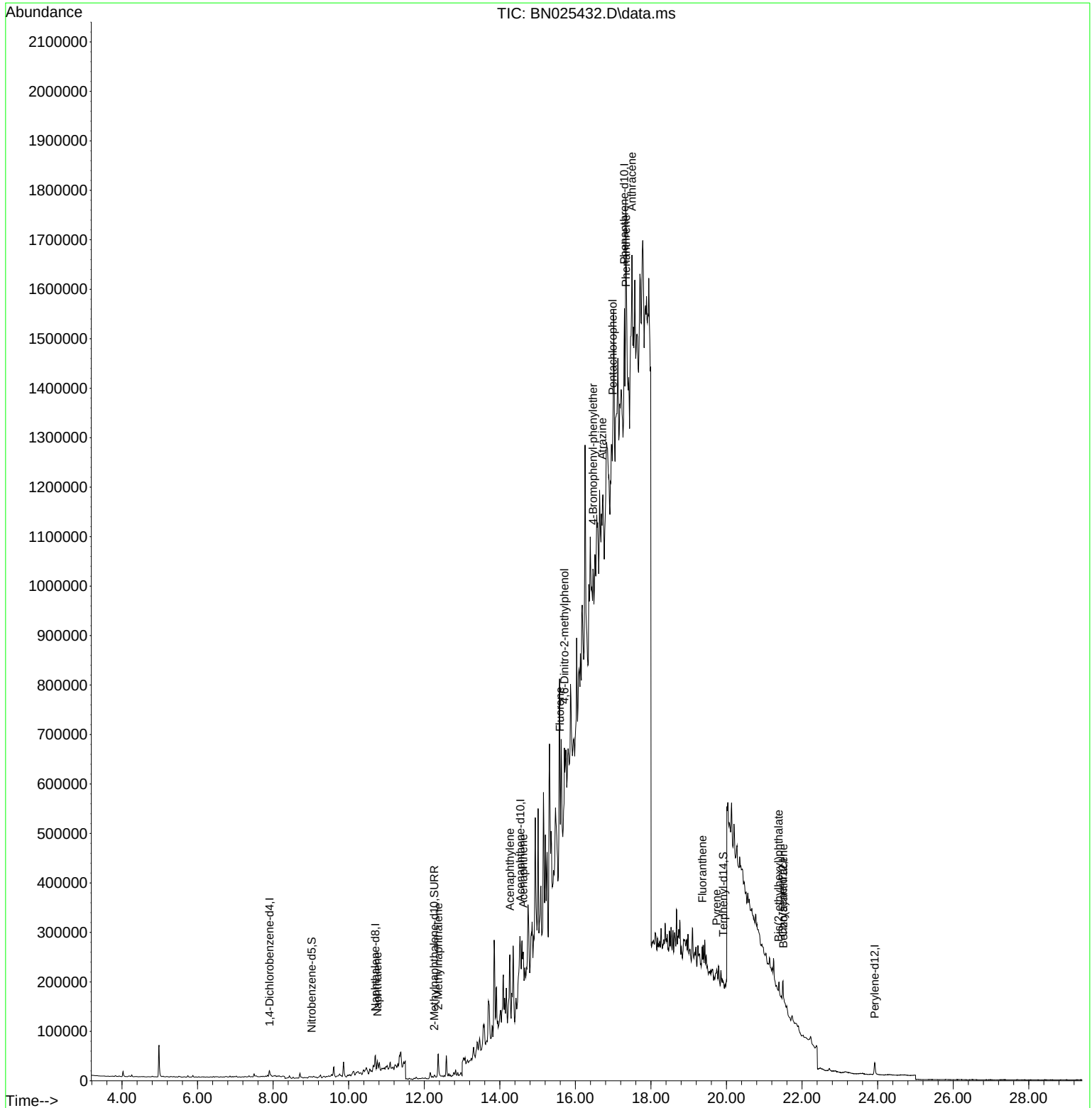
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

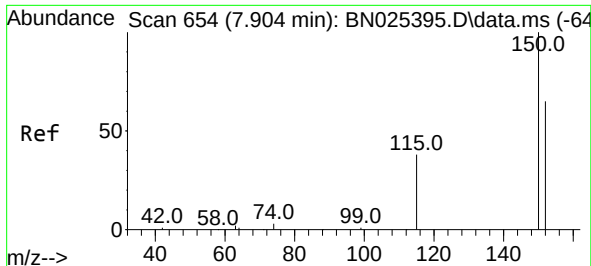
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	9615	0.400	ng	0.00
7) Naphthalene-d8	10.707	136	35402	0.400	ng	# 0.00
13) Acenaphthene-d10	14.544	164	43590	0.400	ng	# 0.00
19) Phenanthrene-d10	17.299	188	60090	0.400	ng	# 0.00
29) Chrysene-d12	21.495	240	39012	0.400	ng	# 0.00
35) Perylene-d12	23.923	264	35040	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.463	112	161	0.007	ng	0.00
5) Phenol-d6	7.081	99	11	0.000	ng	0.00
8) Nitrobenzene-d5	9.020	82	834	0.029	ng	-0.06
11) 2-Methylnaphthalene-d10	12.268	152	1946	0.042	ng	-0.04
14) 2,4,6-Tribromophenol	16.045	330	74	0.003	ng	-0.01
15) 2-Fluorobiphenyl	13.165	172	210	0.001	ng	-0.01
27) Fluoranthene-d10	19.325	212	1566	0.011	ng	0.00
31) Terphenyl-d14	19.911	244	3624	0.039	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.761	128	31431	0.352	ng	# 95
12) 2-Methylnaphthalene	12.370	142	39092	0.634	ng	96
16) Acenaphthylene	14.267	152	50471	0.249	ng	# 1
17) Acenaphthene	14.619	154	6280	0.052	ng	# 11
18) Fluorene	15.592	166	45521	0.287	ng	# 45
20) 4,6-Dinitro-2-methylph...	15.710	198	8595	1.850	ng	# 1
21) 4-Bromophenyl-phenylether	16.467	248	3629	0.107	ng	# 1
23) Atrazine	16.715	200	14928	0.543	ng	# 1
24) Pentachlorophenol	16.988	266	8742	0.524	ng	# 31
25) Phenanthrene	17.336	178	502879	3.092	ng	# 83
26) Anthracene	17.497	178	97105	0.615	ng	# 1
28) Fluoranthene	19.359	202	39589	0.210	ng	# 57
30) Pyrene	19.739	202	12516	0.076	ng	# 1
32) Benzo(a)anthracene	21.504	228	5431	0.041	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.379	149	8851	0.069	ng	# 1

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

```
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Acq On    : 12 May 2023  12:30  
Operator  : CG/JU  
Sample    : 02722-02DL 5X  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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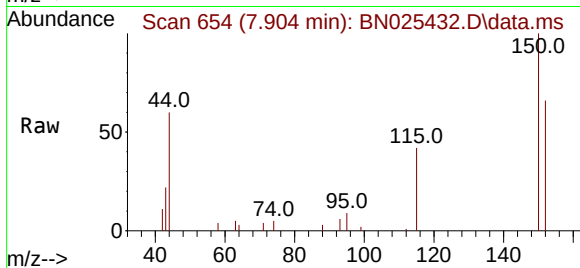
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 00:57:16 2023
Response via : Initial Calibration



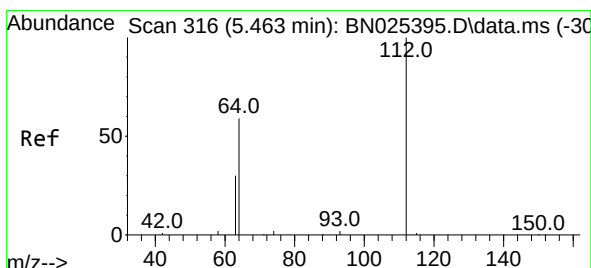
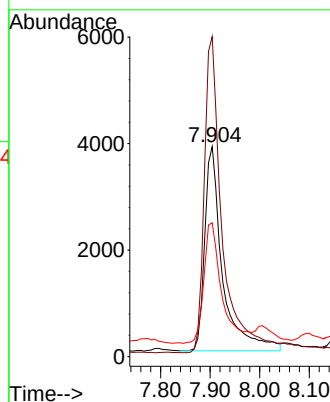
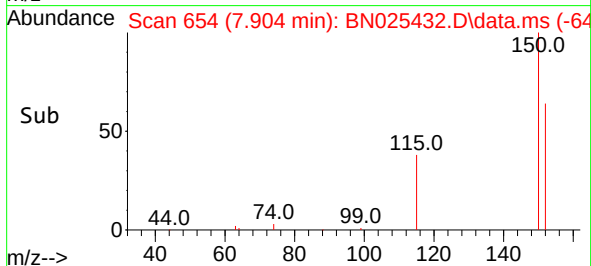


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Instrument :
BNA_N
ClientSampleId :
CO-72533DL

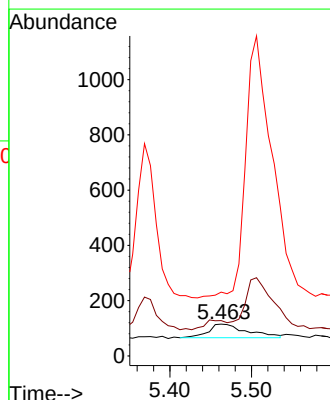
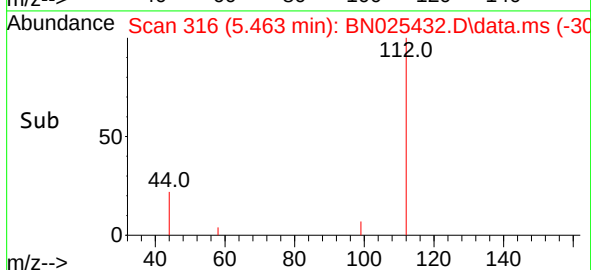
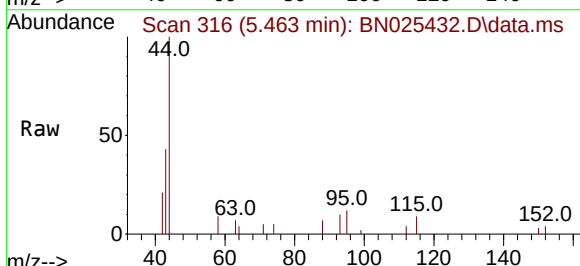


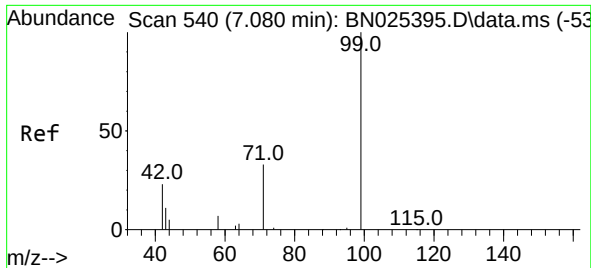
Tgt Ion:152 Resp: 9615
Ion Ratio Lower Upper
152 100
150 152.4 121.4 182.2
115 63.8 50.6 76.0



#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.463 min Scan# 316
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:112 Resp: 161
Ion Ratio Lower Upper
112 100
64 38.5 51.9 77.9#
63 0.0 27.4 41.2#

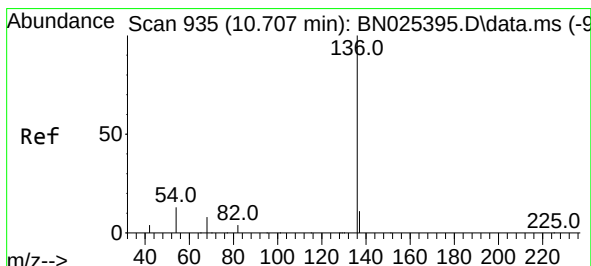
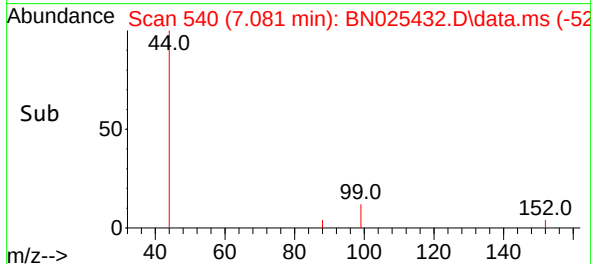
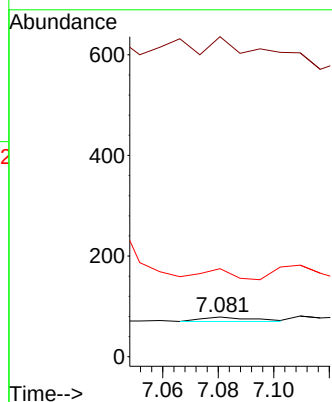
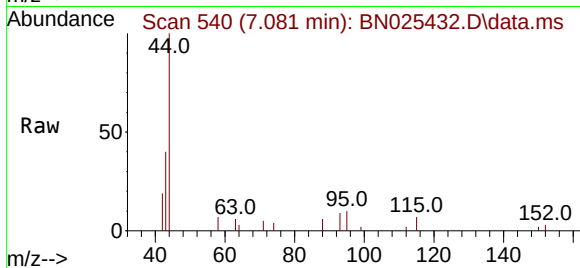




#5
Phenol-d6
Concen: 0.000 ng
RT: 7.081 min Scan# 540
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

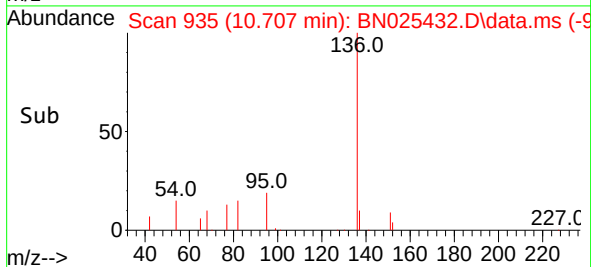
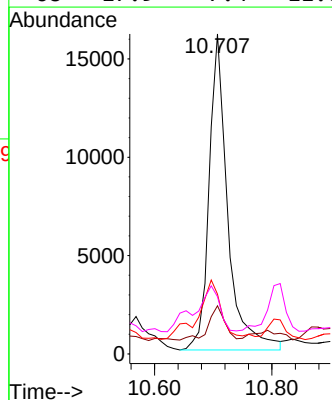
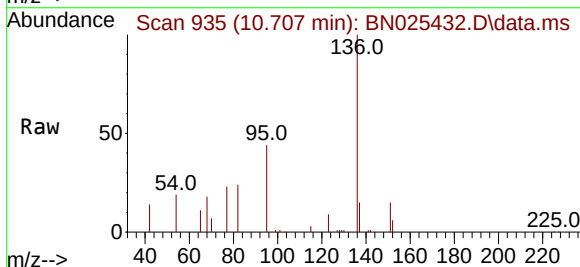
Instrument :
BNA_N
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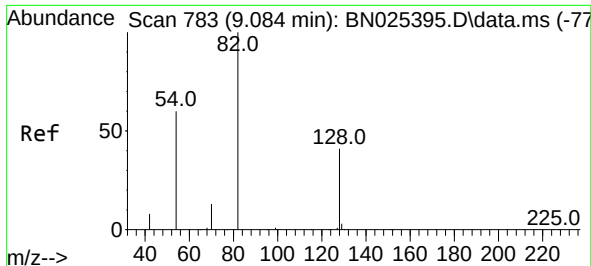
Tgt Ion: 99 Resp: 11
Ion Ratio Lower Upper
99 100
42 127.3 23.5 35.3#
71 0.0 28.1 42.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.707 min Scan# 935
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion: 136 Resp: 35402
Ion Ratio Lower Upper
136 100
137 15.1 9.1 13.7#
54 18.7 11.2 16.8#
68 17.9 7.4 11.0#

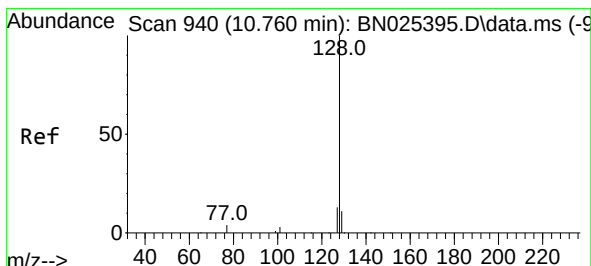
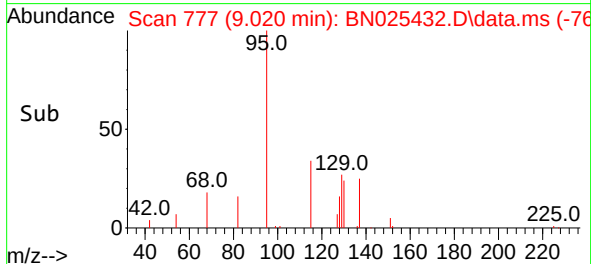
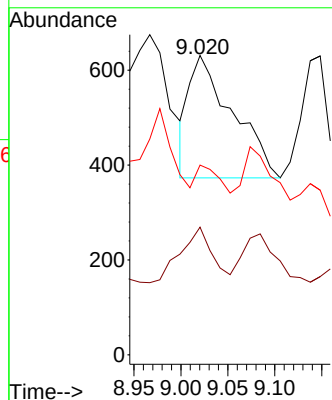
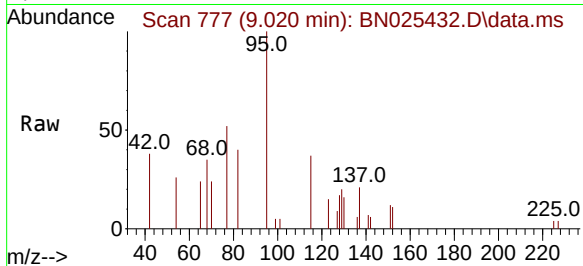




#8
Nitrobenzene-d5
Concen: 0.029 ng
RT: 9.020 min Scan# 71
Delta R.T. -0.064 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

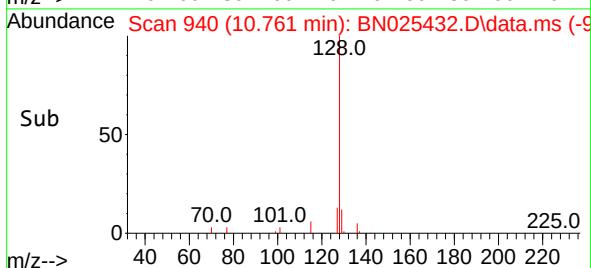
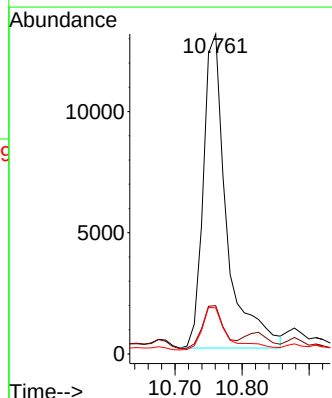
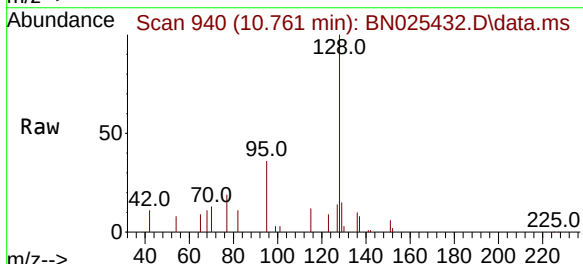
Instrument :
BNA_N
ClientSampleId :
CO-72533DL

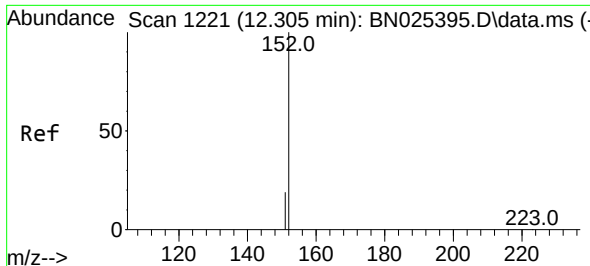
Tgt Ion: 82 Resp: 834
Ion Ratio Lower Upper
82 100
128 42.6 35.8 53.8
54 63.4 50.4 75.6



#9
Naphthalene
Concen: 0.352 ng
RT: 10.761 min Scan# 940
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion: 128 Resp: 31431
Ion Ratio Lower Upper
128 100
129 15.1 9.3 13.9#
127 14.4 10.8 16.2

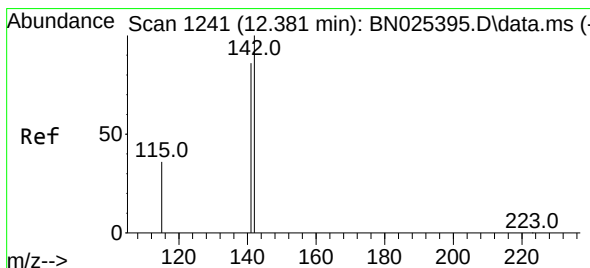
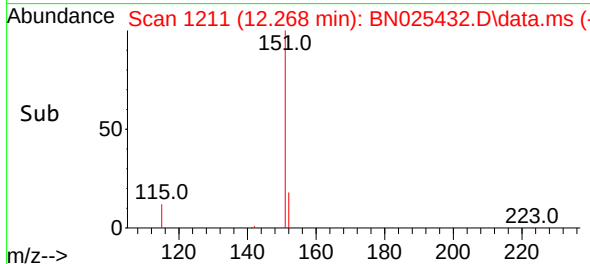
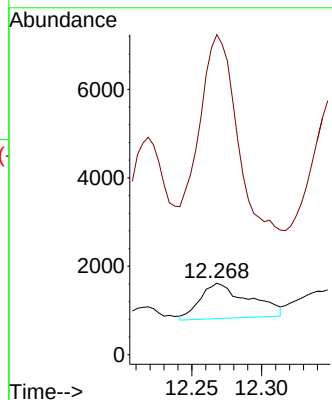
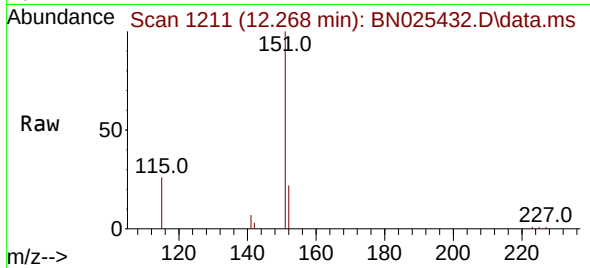




#11
2-Methylnaphthalene-d10
Concen: 0.042 ng
RT: 12.268 min Scan# 11
Delta R.T. -0.038 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

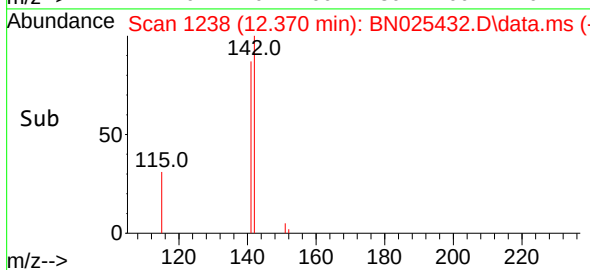
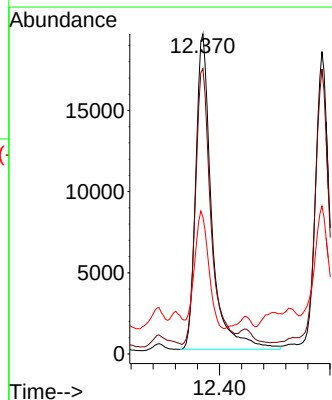
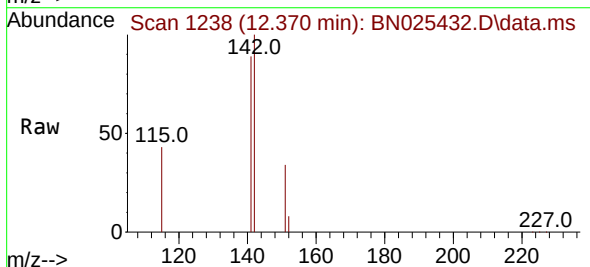
Instrument :
BNA_N
ClientSampleId :
CO-72533DL

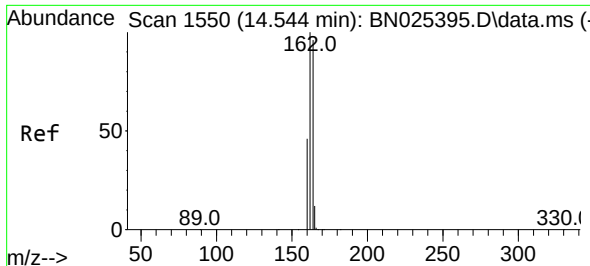
Tgt Ion:152 Resp: 1946
Ion Ratio Lower Upper
152 100
151 442.4 16.1 24.1#



#12
2-Methylnaphthalene
Concen: 0.634 ng
RT: 12.370 min Scan# 1238
Delta R.T. -0.011 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:142 Resp: 39092
Ion Ratio Lower Upper
142 100
141 89.2 69.3 103.9
115 42.7 30.2 45.4

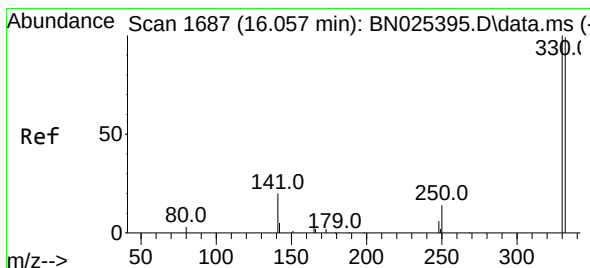
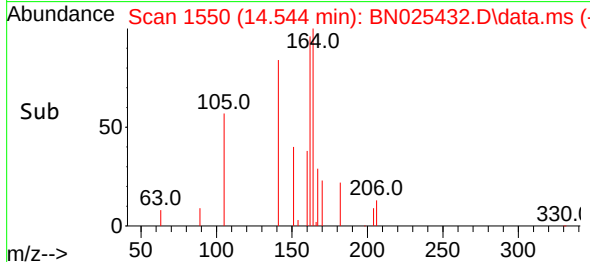
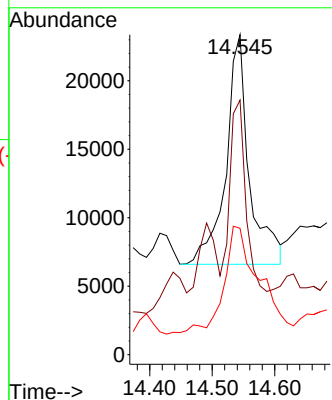
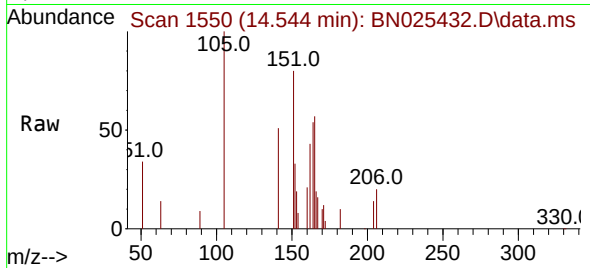




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.544 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

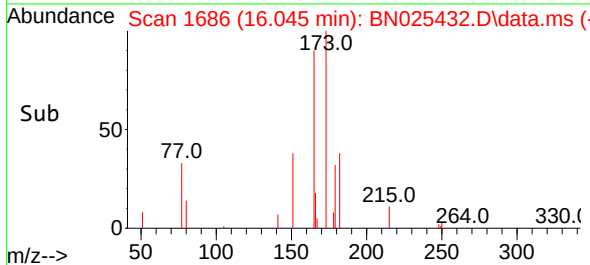
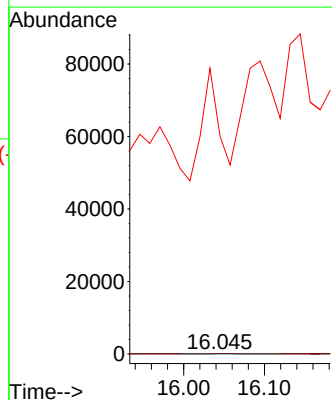
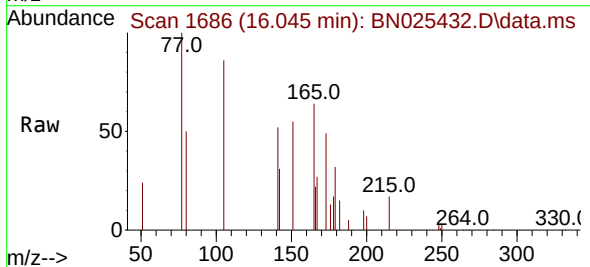
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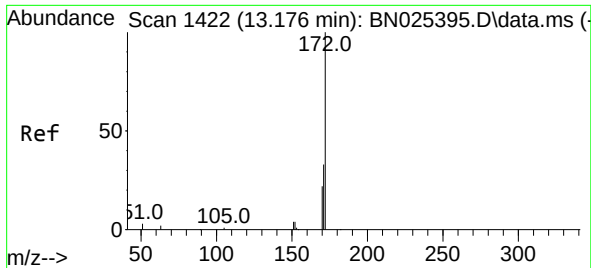
Tgt Ion:164 Resp: 43590
Ion Ratio Lower Upper
164 100
162 79.5 83.2 124.8#
160 39.5 38.8 58.2



#14
2,4,6-Tribromophenol
Concen: 0.003 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.012 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:330 Resp: 74
Ion Ratio Lower Upper
330 100
332 104.1 78.0 117.0
141 60385.1 30.2 45.2#

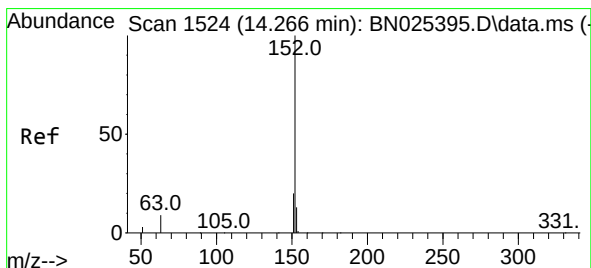
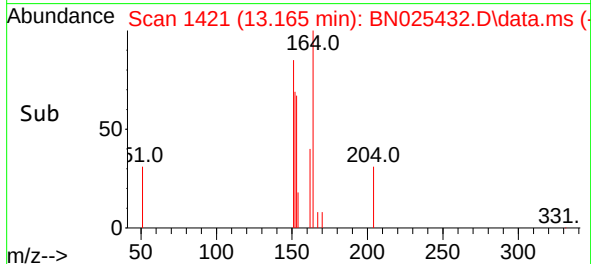
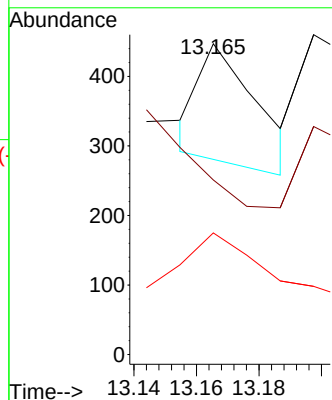
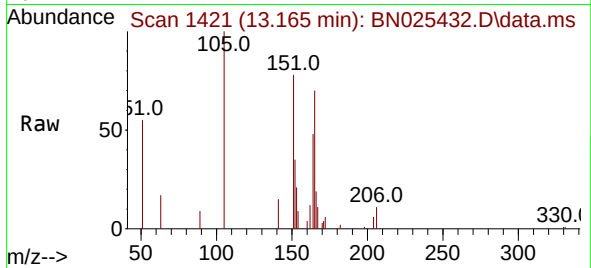




#15
2-Fluorobiphenyl
Concen: 0.001 ng
RT: 13.165 min Scan# 1422
Delta R.T. -0.010 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

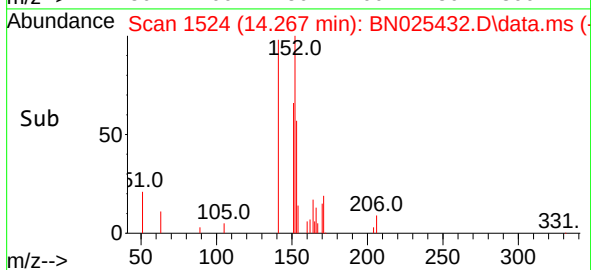
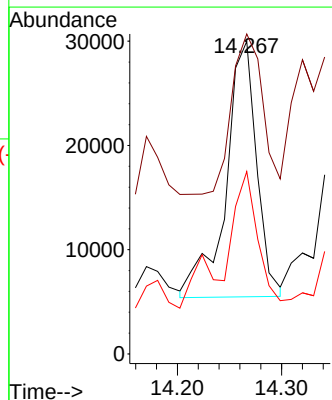
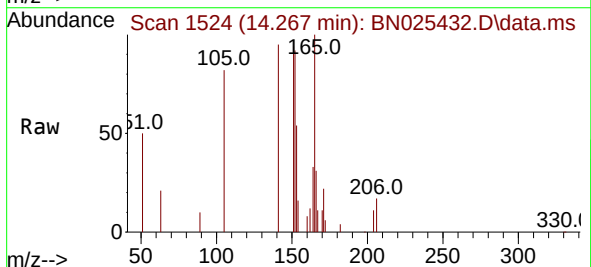
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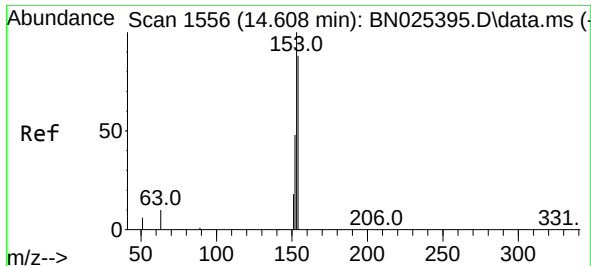
Tgt Ion:172 Resp: 210
Ion Ratio Lower Upper
172 100
171 56.2 26.7 40.1#
170 39.1 17.8 26.8#



#16
Acenaphthylene
Concen: 0.249 ng
RT: 14.267 min Scan# 1524
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:152 Resp: 50471
Ion Ratio Lower Upper
152 100
151 89.3 15.9 23.9#
153 59.7 10.7 16.1#

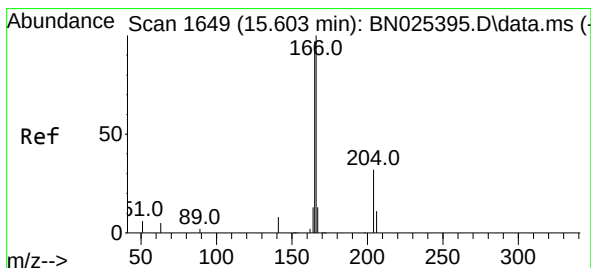
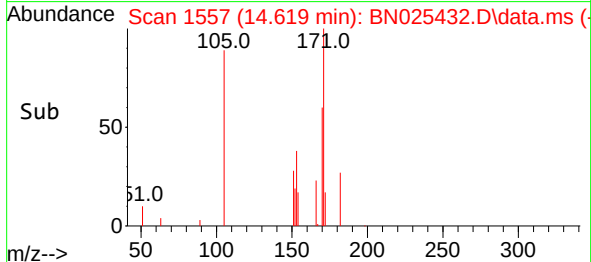
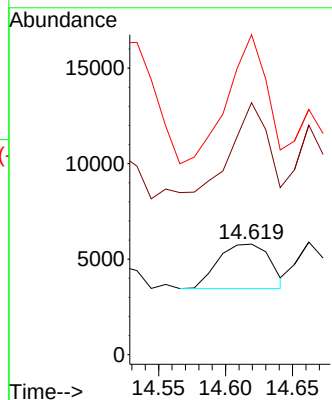
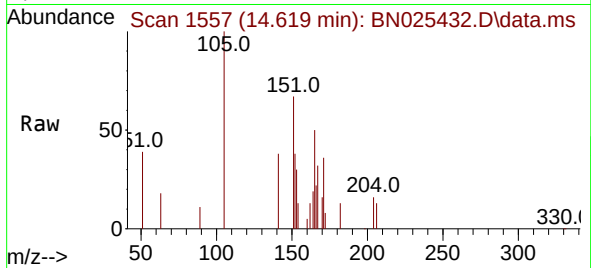




#17
Acenaphthene
Concen: 0.052 ng
RT: 14.619 min Scan# 1557
Delta R.T. 0.011 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

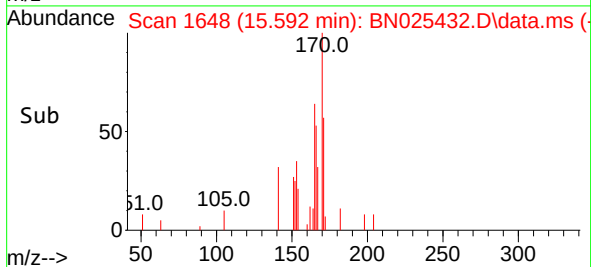
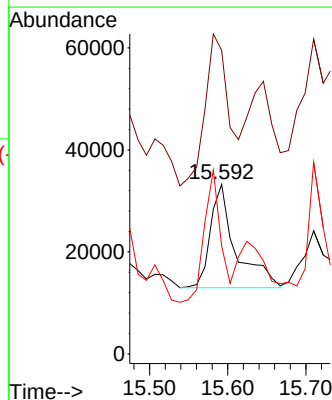
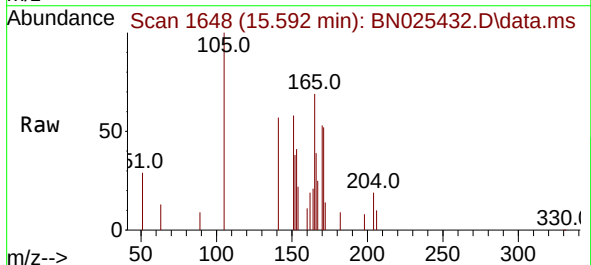
Instrument :
BNA_N
ClientSampleId :
CO-72533DL

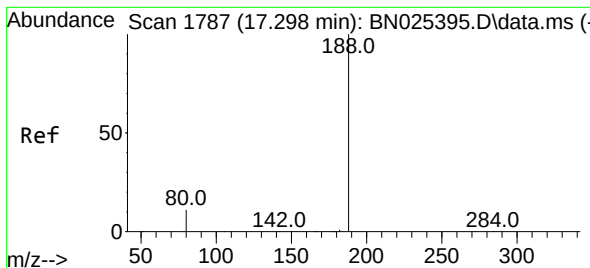
Tgt Ion:154 Resp: 6280
Ion Ratio Lower Upper
154 100
153 132.2 91.7 137.5
152 229.6 44.6 66.8#



#18
Fluorene
Concen: 0.287 ng
RT: 15.592 min Scan# 1648
Delta R.T. -0.010 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:166 Resp: 45521
Ion Ratio Lower Upper
166 100
165 136.9 78.7 118.1#
167 83.6 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.299 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL

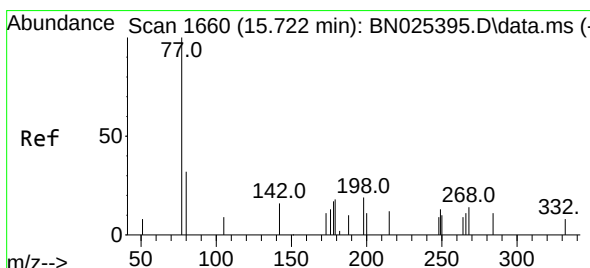
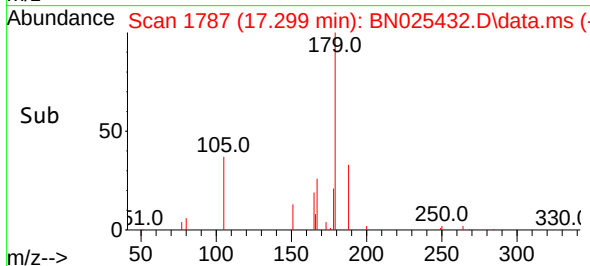
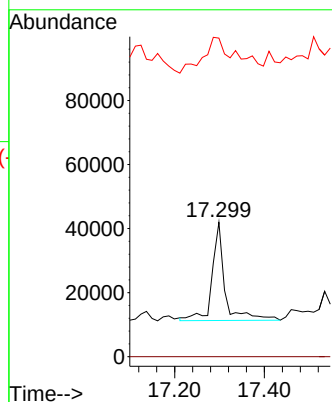
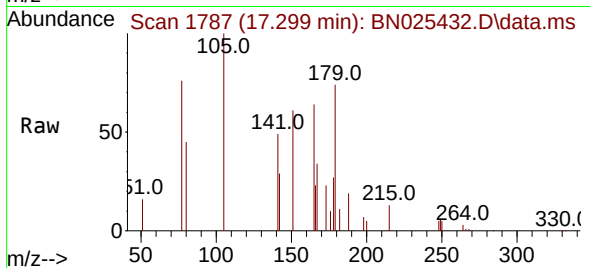
Tgt Ion:188 Resp: 60090

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 236.9 9.4 14.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 1.850 ng

RT: 15.710 min Scan# 1659

Delta R.T. -0.012 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

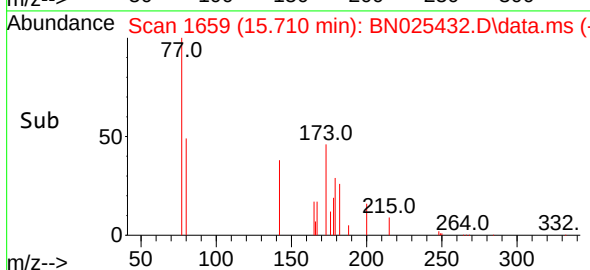
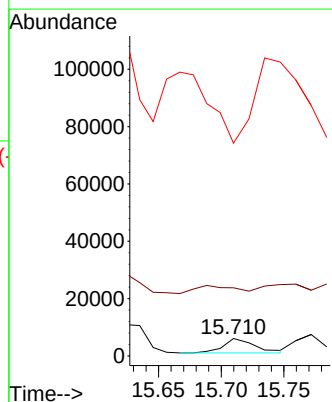
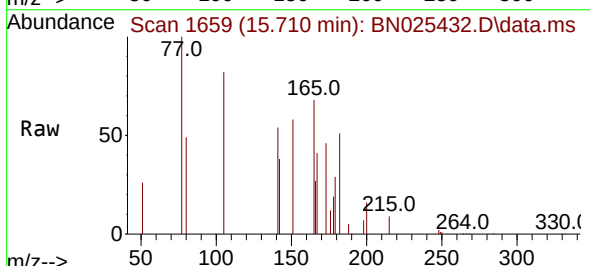
Tgt Ion:198 Resp: 8595

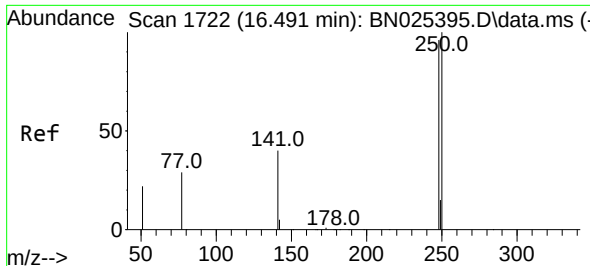
Ion Ratio Lower Upper

198 100

51 391.5 259.2 388.8#

105 1221.7 112.6 168.8#

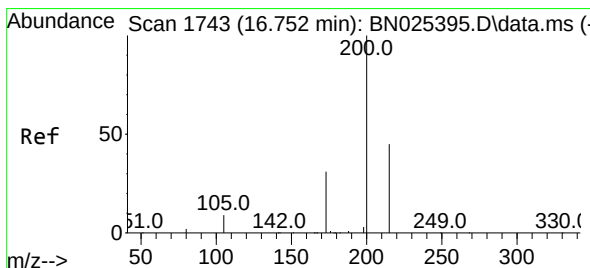
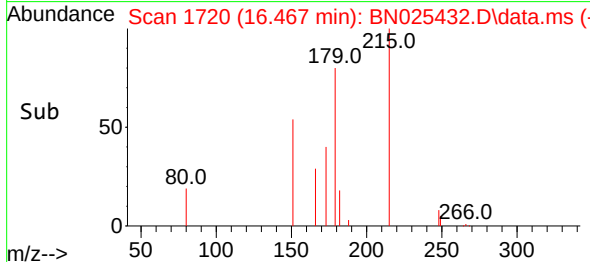
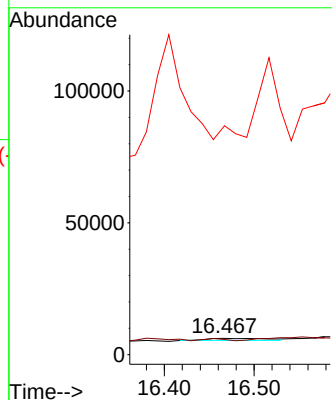
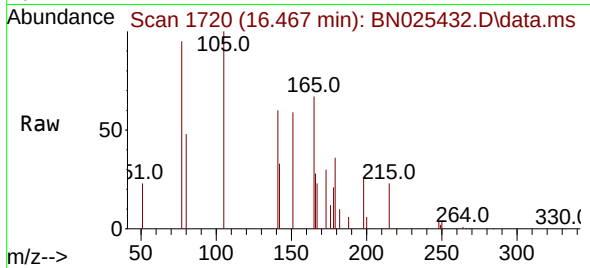




#21
4-Bromophenyl-phenylether
Concen: 0.107 ng
RT: 16.467 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

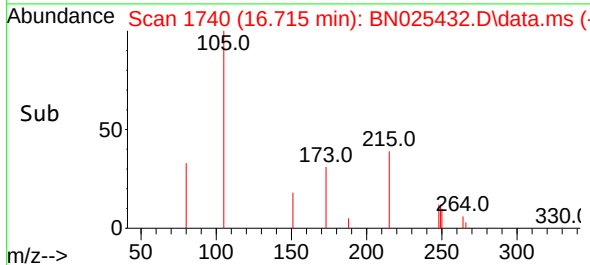
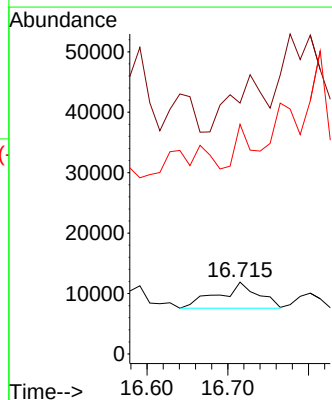
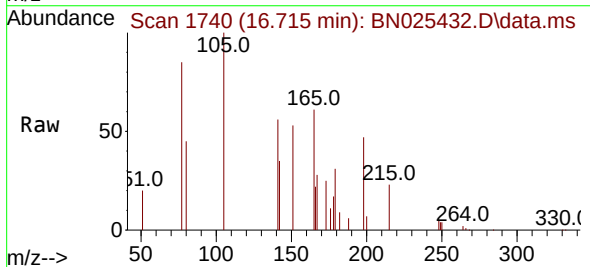
Instrument :
BNA_N
ClientSampleId :
CO-72533DL

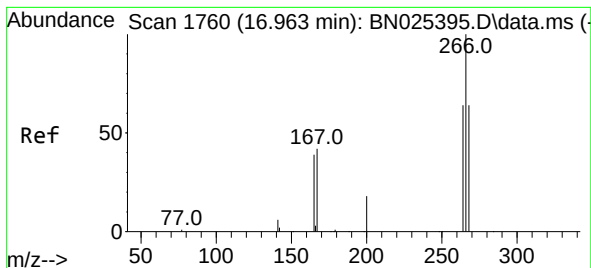
Tgt Ion:248 Resp: 3629
Ion Ratio Lower Upper
248 100
250 92.7 83.1 124.7
141 1398.6 35.0 52.6#



#23
Atrazine
Concen: 0.543 ng
RT: 16.715 min Scan# 1740
Delta R.T. -0.037 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:200 Resp: 14928
Ion Ratio Lower Upper
200 100
173 349.4 26.5 39.7#
215 319.8 37.0 55.4#





#24

Pentachlorophenol

Concen: 0.524 ng

RT: 16.988 min Scan# 1762

Delta R.T. 0.025 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL

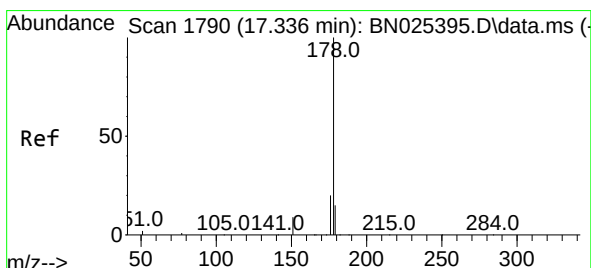
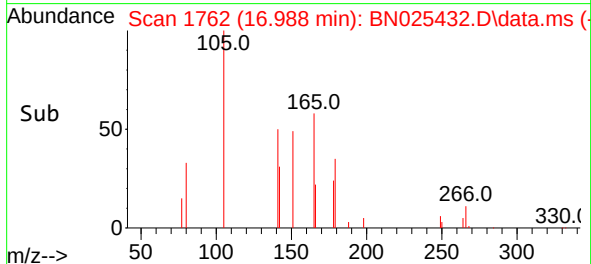
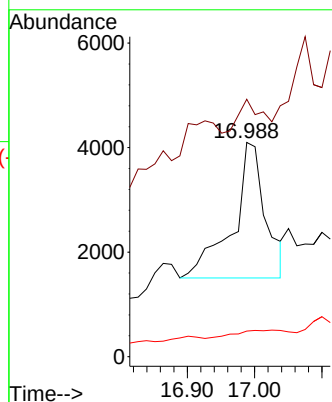
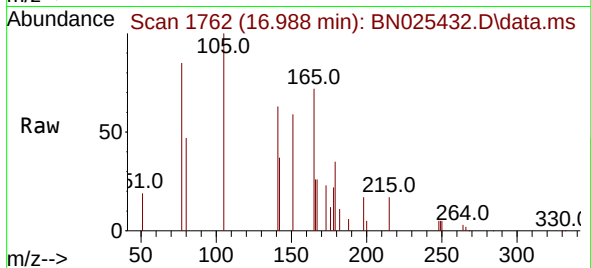
Tgt Ion:266 Resp: 8742

Ion Ratio Lower Upper

266 100

264 18.5 50.1 75.1#

268 0.0 49.3 73.9#



#25

Phenanthrene

Concen: 3.092 ng

RT: 17.336 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

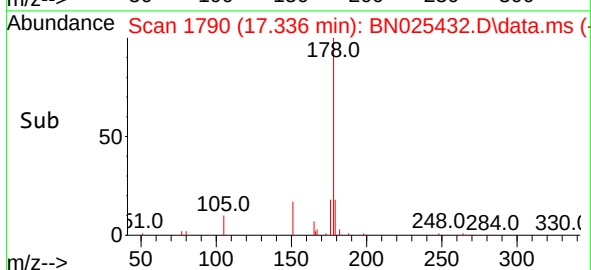
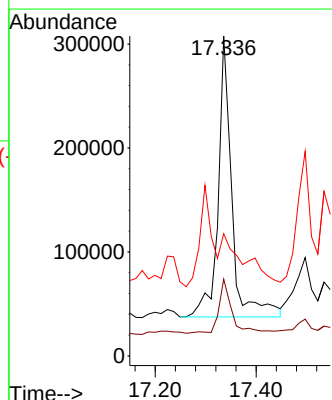
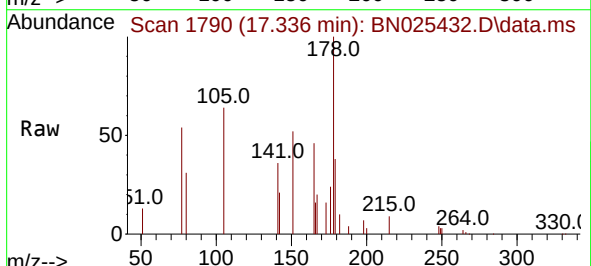
Tgt Ion:178 Resp: 502879

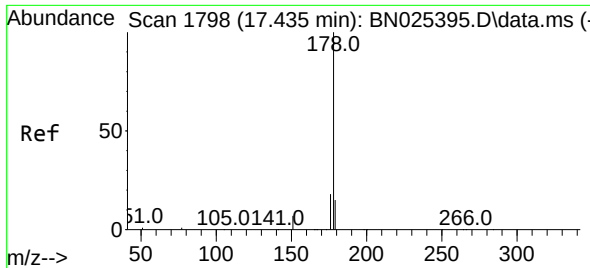
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 0.0 12.1 18.1#

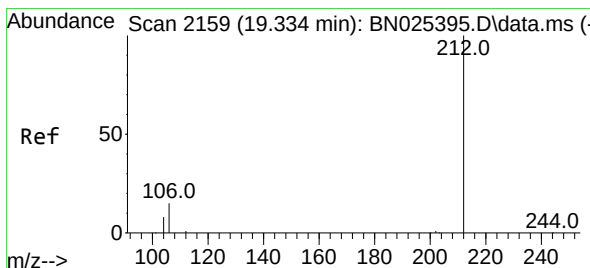
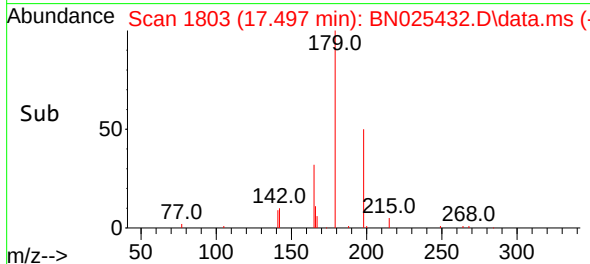
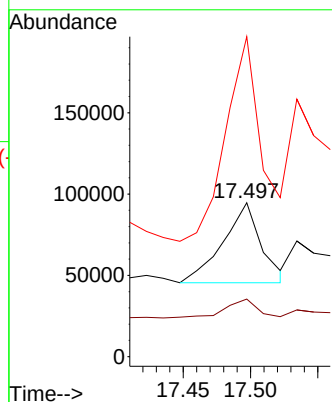
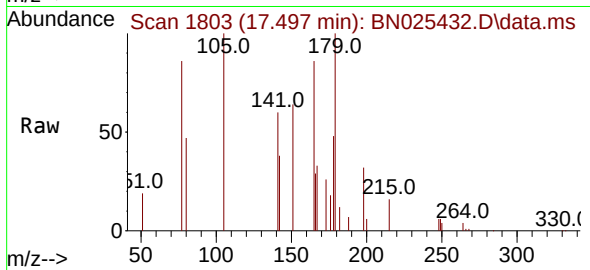




#26
 Anthracene
 Concen: 0.615 ng
 RT: 17.497 min Scan# 1803
 Delta R.T. 0.062 min
 Lab File: BN025432.D
 Acq: 12 May 2023 12:30

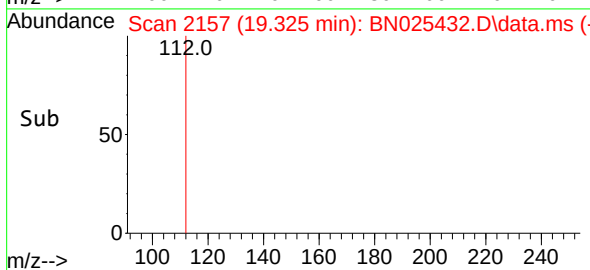
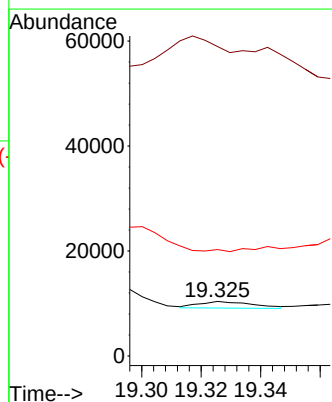
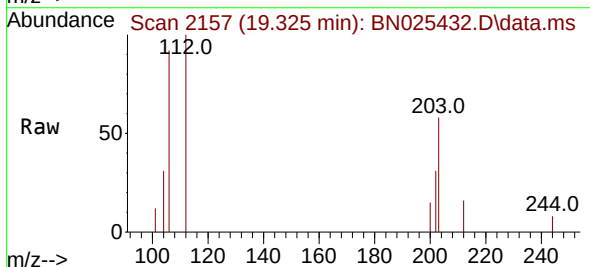
Instrument :
 BNA_N
 ClientSampleId :
 CO-72533DL

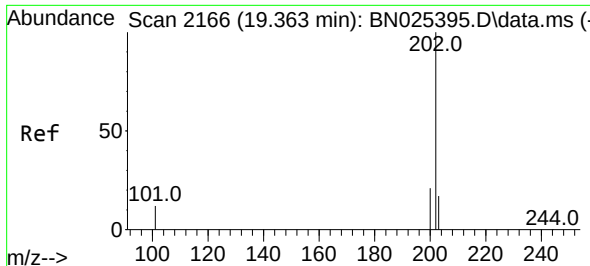
Tgt Ion:178 Resp: 97105
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.4
 179 239.0 12.0 18.0#



#27
 Fluoranthene-d10
 Concen: 0.011 ng
 RT: 19.325 min Scan# 2157
 Delta R.T. -0.008 min
 Lab File: BN025432.D
 Acq: 12 May 2023 12:30

Tgt Ion:212 Resp: 1566
 Ion Ratio Lower Upper
 212 100
 106 474.9 12.6 19.0#
 104 0.0 7.0 10.4#

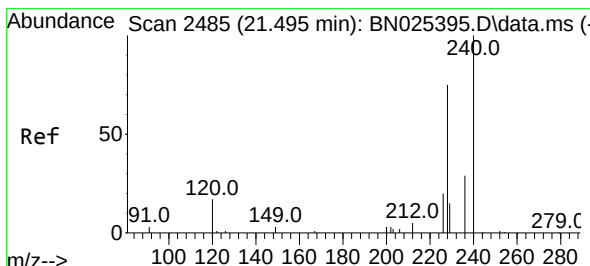
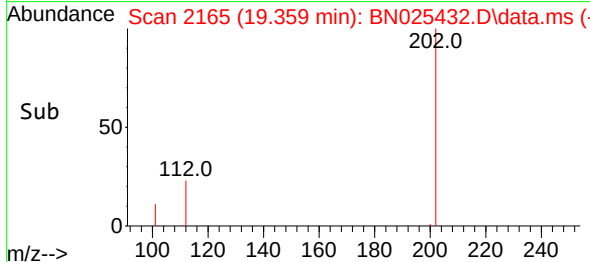
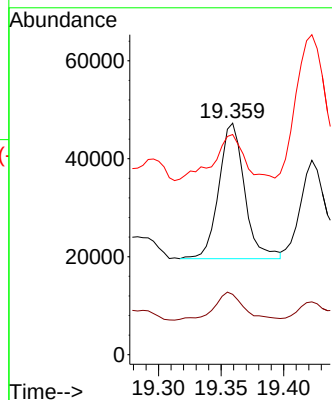
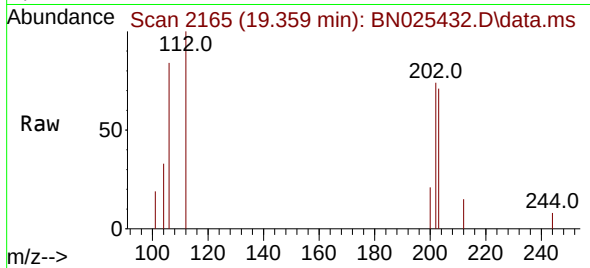




#28
Fluoranthene
Concen: 0.210 ng
RT: 19.359 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

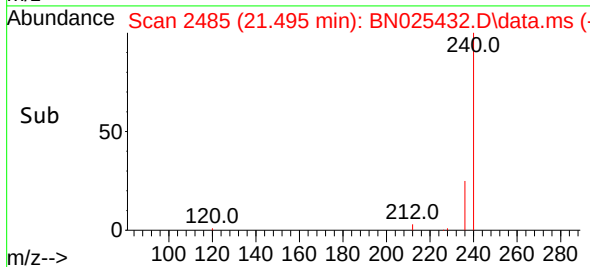
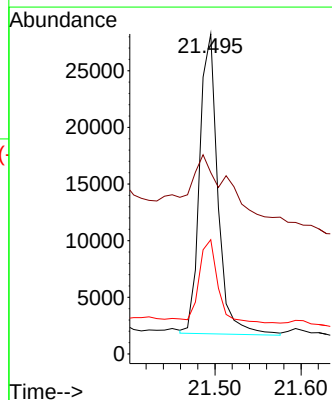
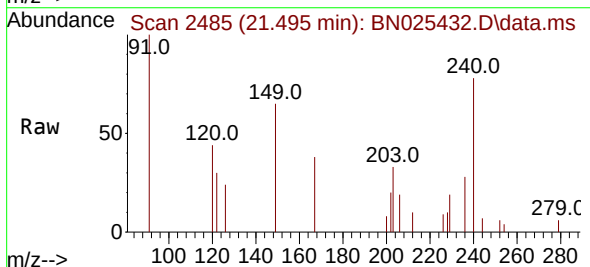
Instrument :
BNA_N
ClientSampleId :
CO-72533DL

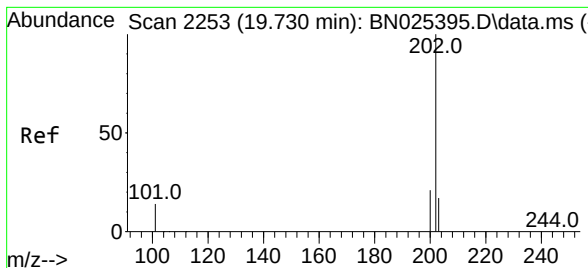
Tgt Ion:202 Resp: 39589
Ion Ratio Lower Upper
202 100
101 23.5 9.8 14.8#
203 40.7 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.495 min Scan# 2485
Delta R.T. 0.000 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:240 Resp: 39012
Ion Ratio Lower Upper
240 100
120 56.7 19.0 28.6#
236 35.7 25.0 37.6





#30

Pyrene

Concen: 0.076 ng

RT: 19.739 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL

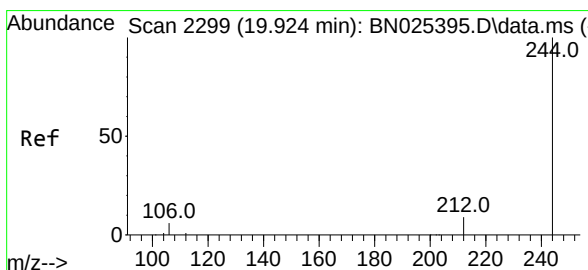
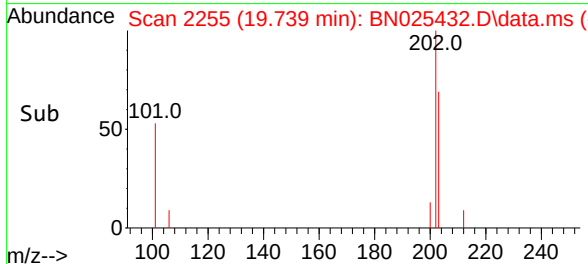
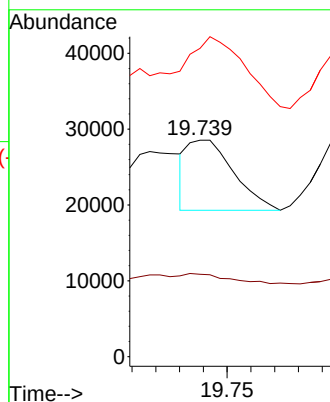
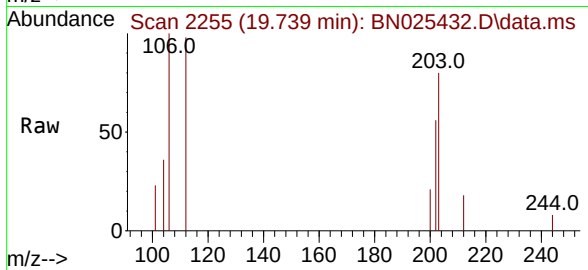
Tgt Ion:202 Resp: 12516

Ion Ratio Lower Upper

202 100

200 0.0 16.8 25.2#

203 125.6 14.4 21.6#



#31

Terphenyl-d14

Concen: 0.039 ng

RT: 19.911 min Scan# 2296

Delta R.T. -0.012 min

Lab File: BN025432.D

Acq: 12 May 2023 12:30

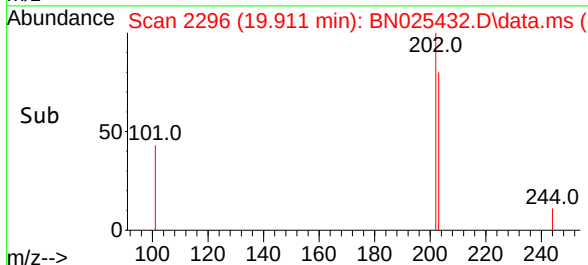
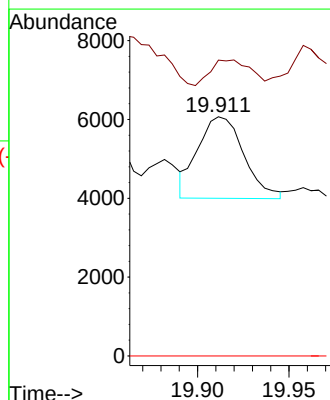
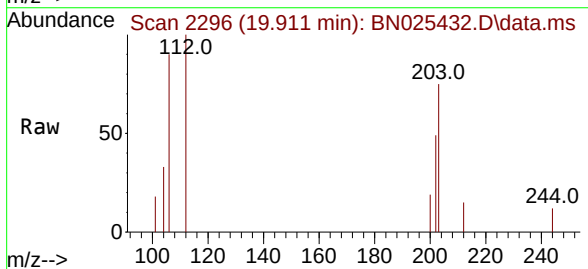
Tgt Ion:244 Resp: 3624

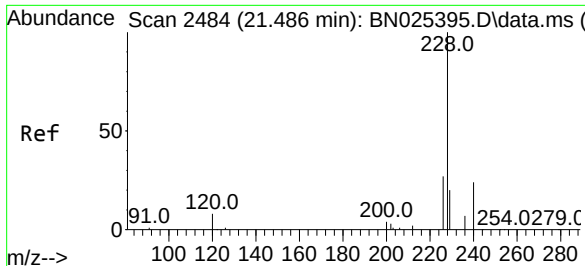
Ion Ratio Lower Upper

244 100

212 123.7 7.5 11.3#

122 0.0 0.0 0.0

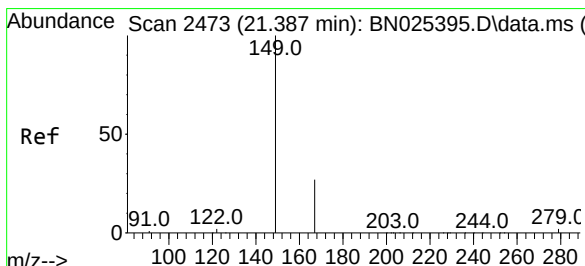
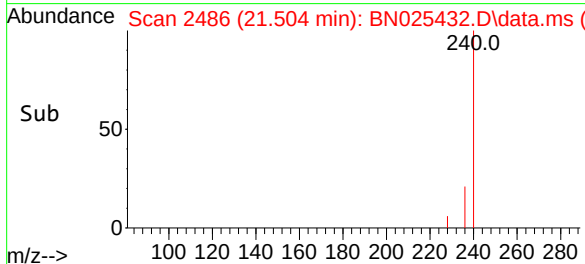
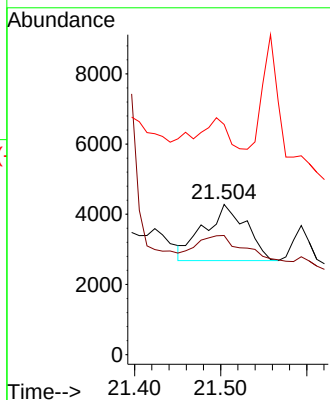
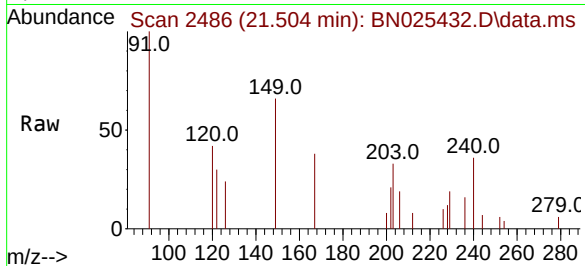




#32
Benzo(a)anthracene
Concen: 0.041 ng
RT: 21.504 min Scan# 2486
Delta R.T. 0.018 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

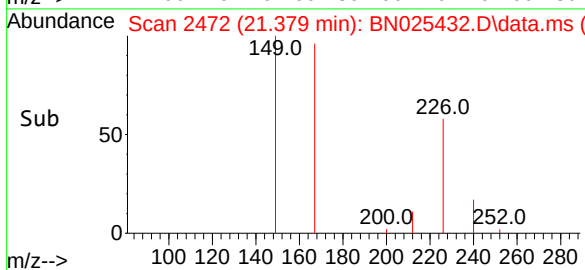
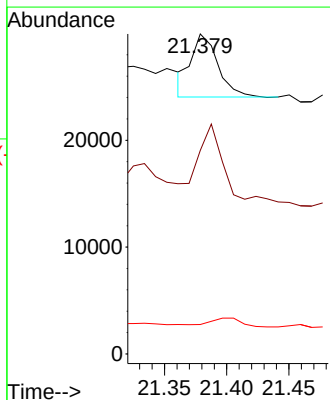
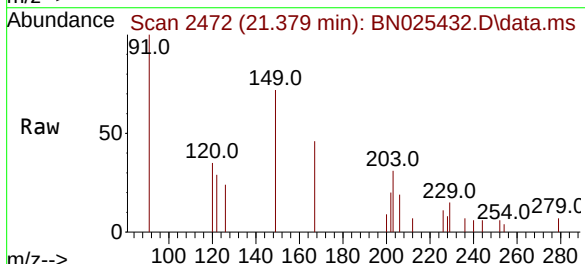
Instrument :
BNA_N
ClientSampleId :
CO-72533DL

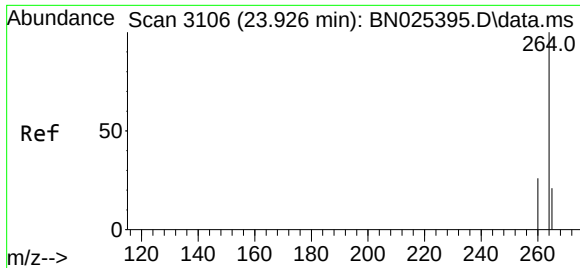
Tgt Ion:228 Resp: 5431
Ion Ratio Lower Upper
228 100
226 79.3 23.2 34.8#
229 153.2 18.2 27.2#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.069 ng
RT: 21.379 min Scan# 2472
Delta R.T. -0.009 min
Lab File: BN025432.D
Acq: 12 May 2023 12:30

Tgt Ion:149 Resp: 8851
Ion Ratio Lower Upper
149 100
167 119.6 21.7 32.5#
279 16.4 3.0 4.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.923 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN025432.D

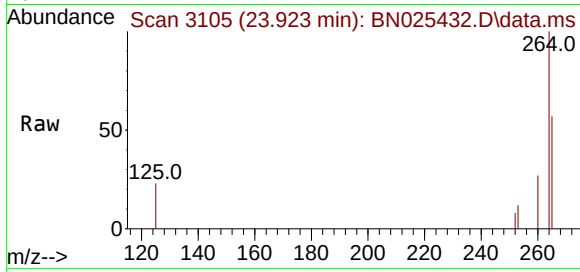
Acq: 12 May 2023 12:30

Instrument :

BNA_N

ClientSampleId :

CO-72533DL



Tgt Ion:264 Resp: 35040

Ion Ratio Lower Upper

264 100

260 27.0 23.5 35.3

265 56.8 50.9 76.3

