

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017674.D
 Acq On : 02 Dec 2021 07:03
 Operator : CG/JU
 Sample : M4895-04 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-4

Quant Time: Dec 02 07:41:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN113021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 02 01:51:49 2021
 Response via : Initial Calibration

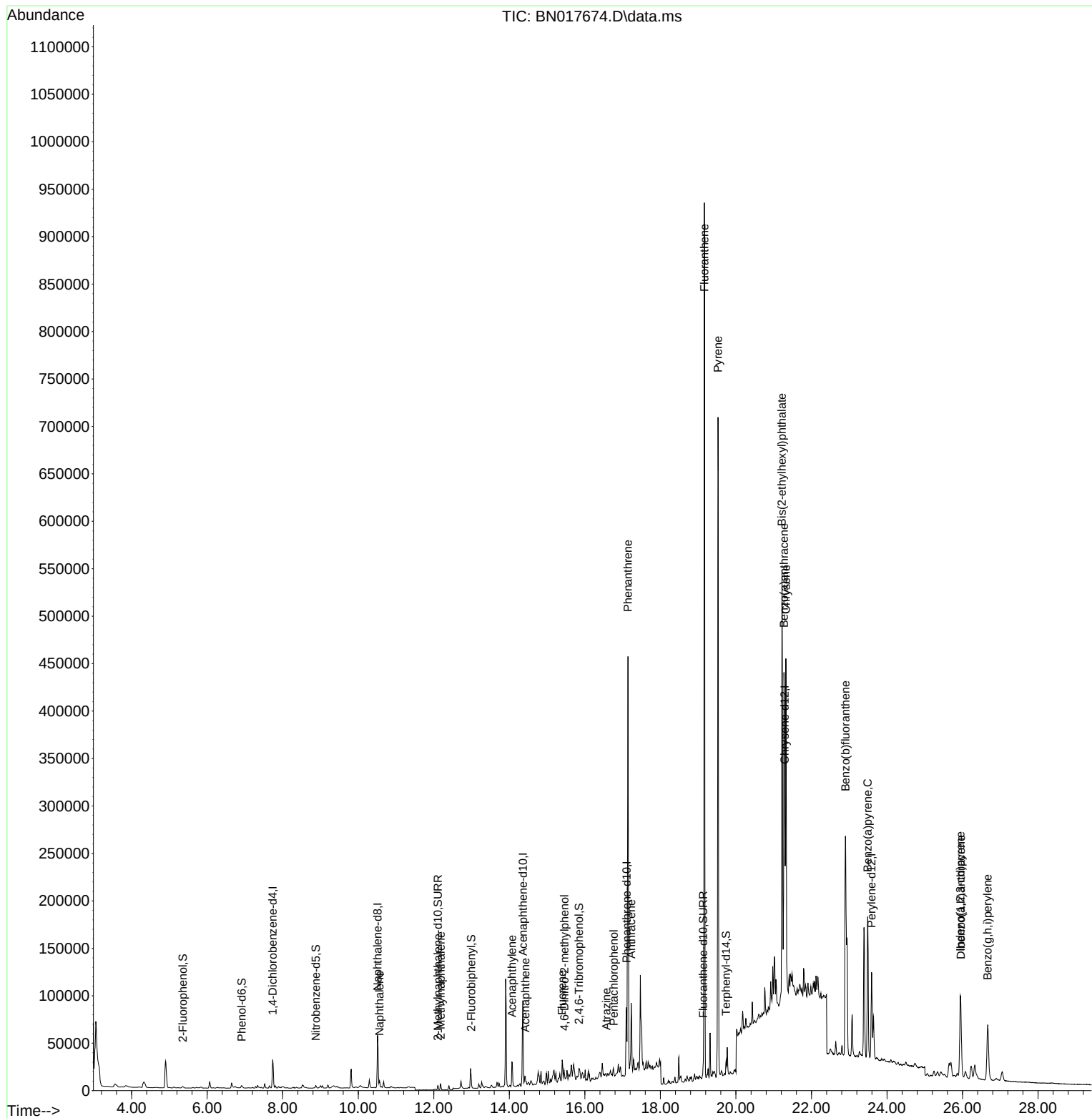
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	18088	0.400	ng	0.00
7) Naphthalene-d8	10.510	136	79436	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	52671	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	112078	0.400	ng	0.00
29) Chrysene-d12	21.293	240	116307	0.400	ng	# 0.01
35) Perylene-d12	23.592	264	124161	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	2058	0.050	ng	0.00
5) Phenol-d6	6.916	99	2590	0.060	ng	0.00
8) Nitrobenzene-d5	8.875	82	2625	0.078	ng	0.00
11) 2-Methylnaphthalene-d10	12.107	152	6973	0.050	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	1208	0.162	ng	0.00
15) 2-Fluorobiphenyl	12.989	172	10232	0.050	ng	0.00
27) Fluoranthene-d10	19.134	212	20441	0.058	ng	0.00
31) Terphenyl-d14	19.740	244	15127	0.059	ng	0.00
Target Compounds						
9) Naphthalene	10.560	128	8912	0.044	ng	96
12) 2-Methylnaphthalene	12.182	142	4959	0.038	ng	# 95
16) Acenaphthylene	14.067	152	32052	0.156	ng	97
17) Acenaphthene	14.423	154	4471	0.031	ng	# 90
18) Fluorene	15.399	166	14292	0.083	ng	# 89
20) 4,6-Dinitro-2-methylph...	15.463	198	81	0.073	ng	# 1
23) Atrazine	16.569	200	788	0.146	ng	# 19
24) Pentachlorophenol	16.764	266	1621	0.230	ng	94
25) Phenanthrene	17.141	178	457634	1.489	ng	99
26) Anthracene	17.226	178	80159	0.303	ng	# 89
28) Fluoranthene	19.164	202	840828	2.417	ng	# 97
30) Pyrene	19.526	202	637491	1.698	ng	96
32) Benzo(a)anthracene	21.271	228	285294	0.808	ng	94
33) Chrysene	21.325	228	324319	0.844	ng	95
34) Bis(2-ethylhexyl)phtha...	21.218	149	501990	5.991	ng	97
36) Indeno(1,2,3-cd)pyrene	25.944	276	152832	0.379	ng	# 90
37) Benzo(b)fluoranthene	22.901	252	407803	0.990	ng	# 87
39) Benzo(a)pyrene	23.489	252	222468	0.604	ng	# 84
40) Dibenzo(a,h)anthracene	25.954	278	34017	0.103	ng	# 44
41) Benzo(g,h,i)perylene	26.666	276	135420	0.400	ng	95

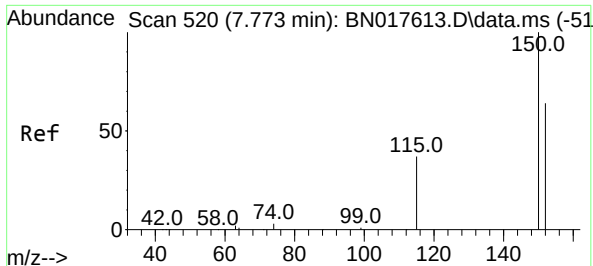
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 02 01:51:49 2021
Response via : Initial Calibration

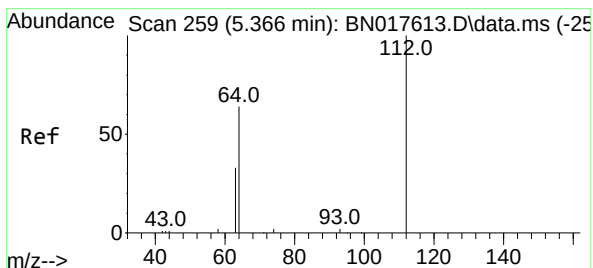
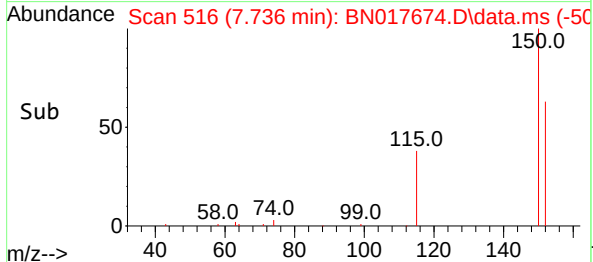
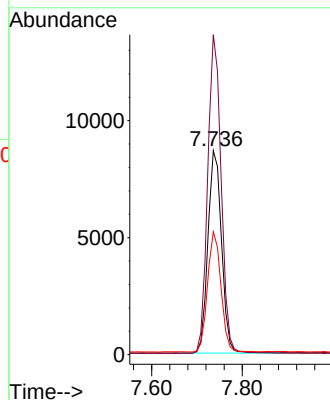
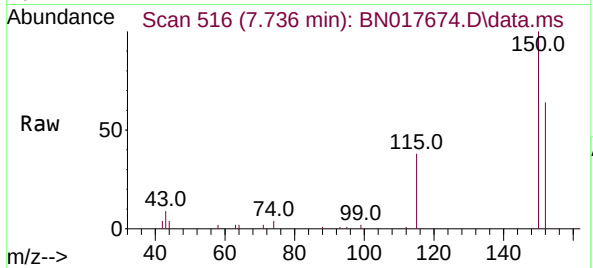




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

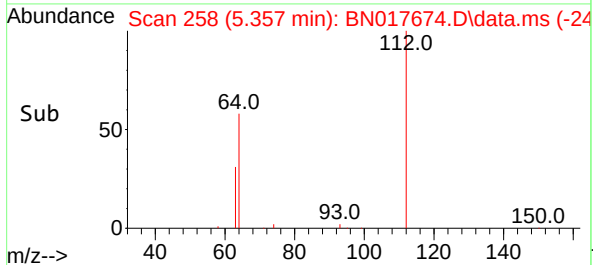
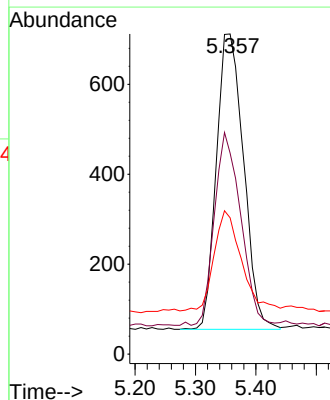
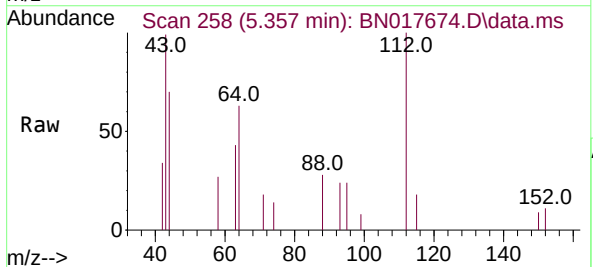
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ClientSampleId :
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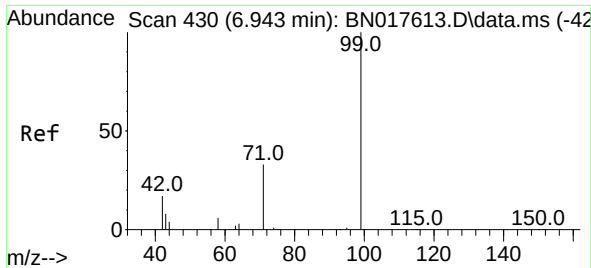
Tgt Ion:152 Resp: 18088
Ion Ratio Lower Upper
152 100
150 156.9 123.0 184.4
115 60.2 45.6 68.4



#4
2-Fluorophenol
Concen: 0.050 ng
RT: 5.357 min Scan# 258
Delta R.T. 0.009 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:112 Resp: 2058
Ion Ratio Lower Upper
112 100
64 63.2 47.6 71.4
63 33.9 24.6 37.0





#5

Phenol-d6

Concen: 0.060 ng

RT: 6.916 min Scan# 41

Delta R.T. 0.009 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

Instrument :

BNA_N

ClientSampleId :

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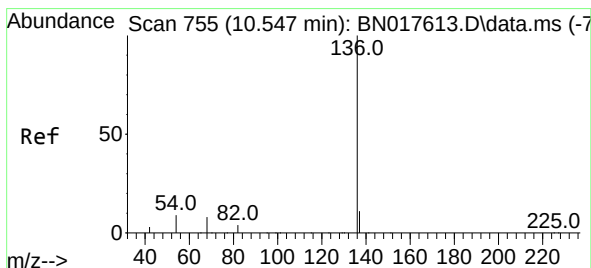
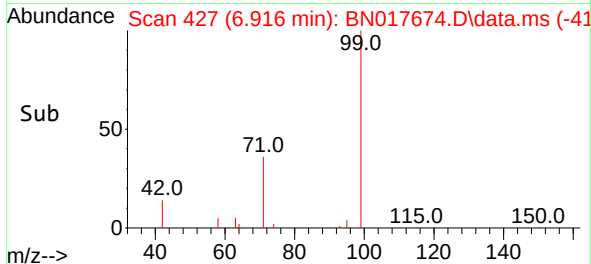
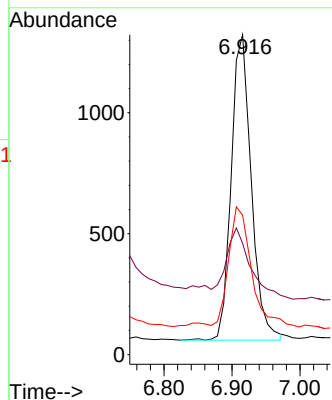
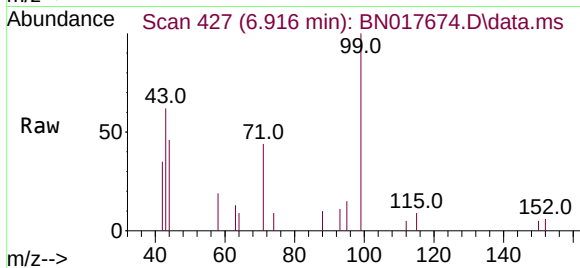
Tgt Ion: 99 Resp: 2590

Ion Ratio Lower Upper

99 100

42 24.4 17.0 25.6

71 42.7 24.8 37.2#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.510 min Scan# 752

Delta R.T. 0.000 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

Tgt Ion: 136 Resp: 79436

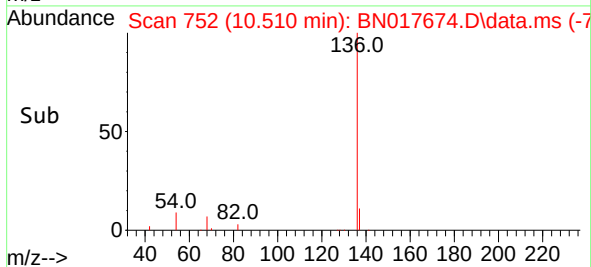
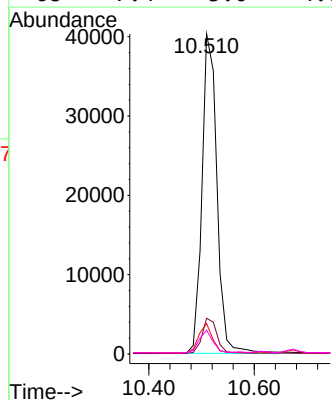
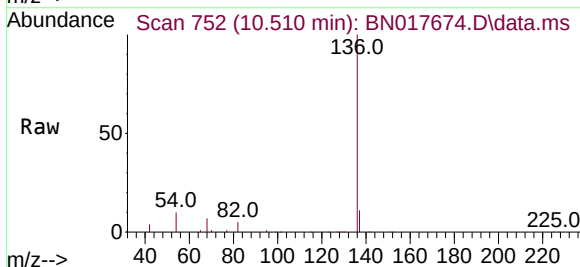
Ion Ratio Lower Upper

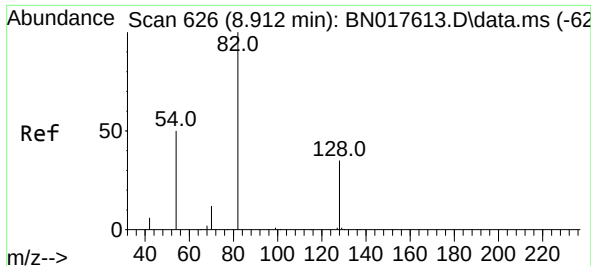
136 100

137 11.2 8.8 13.2

54 9.5 4.0 6.0#

68 7.4 3.0 4.6#

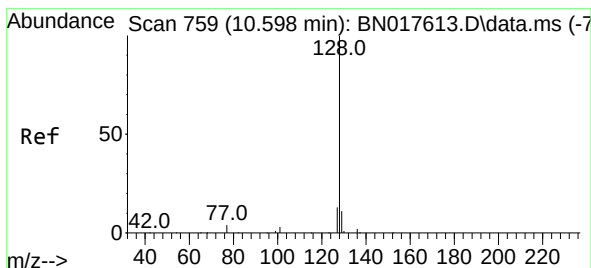
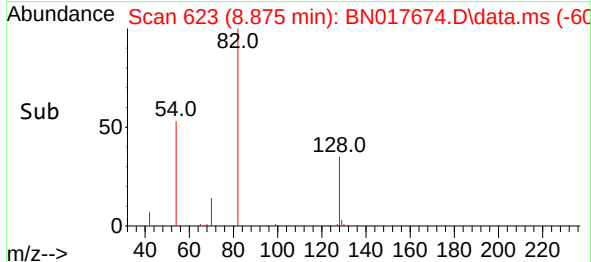
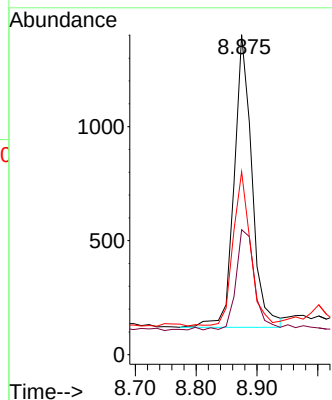
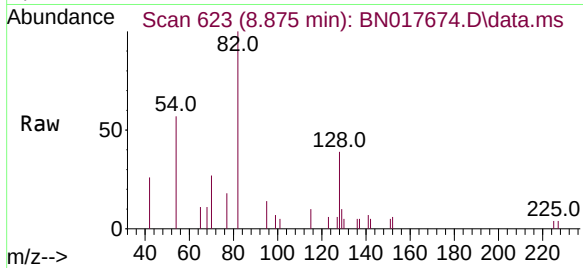




#8
Nitrobenzene-d5
Concen: 0.078 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

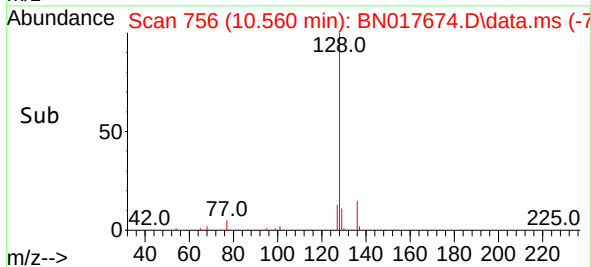
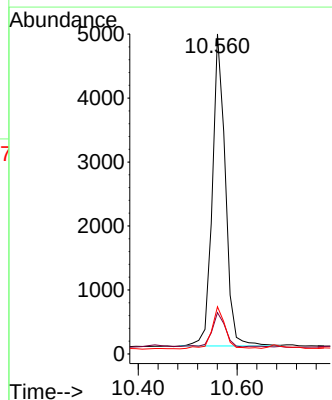
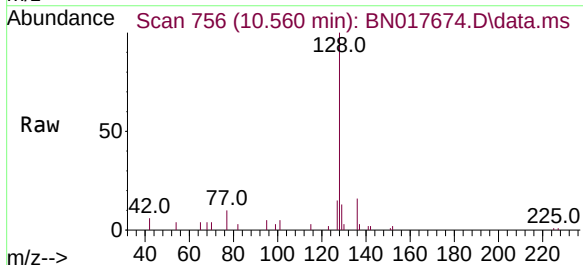
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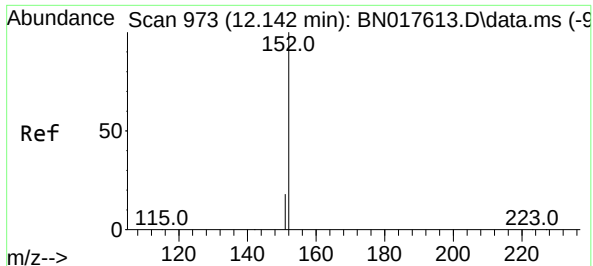
Tgt Ion: 82 Resp: 2625
Ion Ratio Lower Upper
82 100
128 39.1 27.7 41.5
54 57.2 49.2 73.8



#9
Naphthalene
Concen: 0.044 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion: 128 Resp: 8912
Ion Ratio Lower Upper
128 100
129 12.9 8.8 13.2
127 14.7 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.050 ng

RT: 12.107 min Scan# 9

Delta R.T. 0.000 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

Instrument :

BNA_N

ClientSampleId :

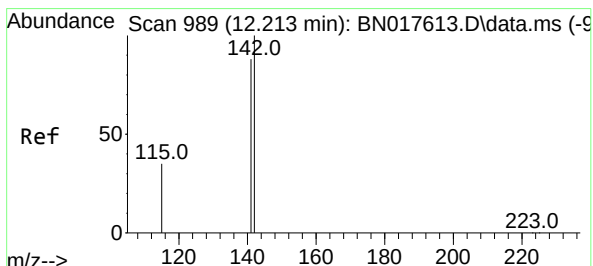
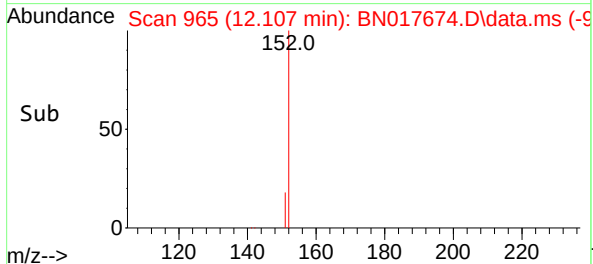
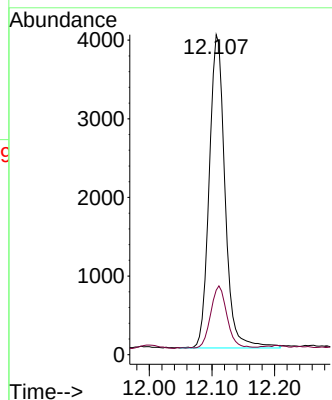
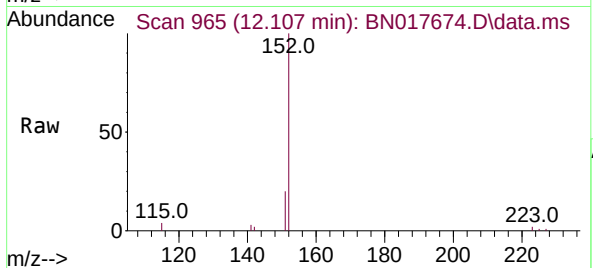
SLAB-4

Tgt Ion:152 Resp: 6973

Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.4



#12

2-Methylnaphthalene

Concen: 0.038 ng

RT: 12.182 min Scan# 982

Delta R.T. 0.000 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

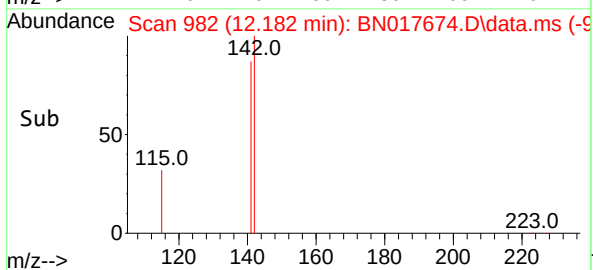
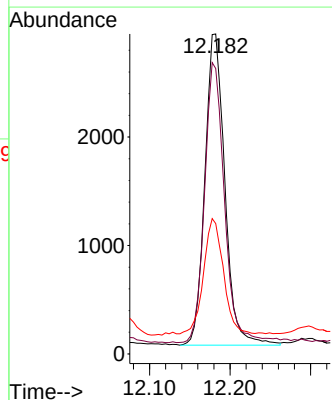
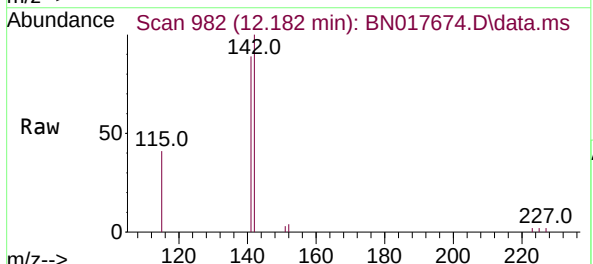
Tgt Ion:142 Resp: 4959

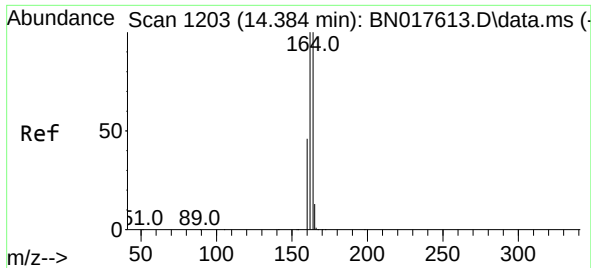
Ion Ratio Lower Upper

142 100

141 89.2 70.6 106.0

115 40.7 25.8 38.6#

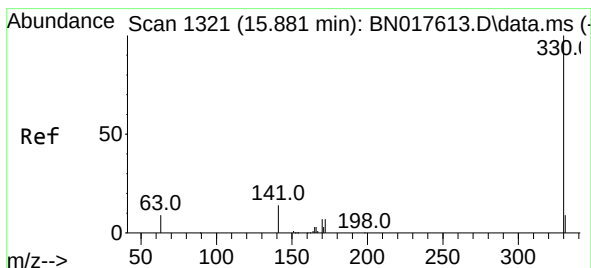
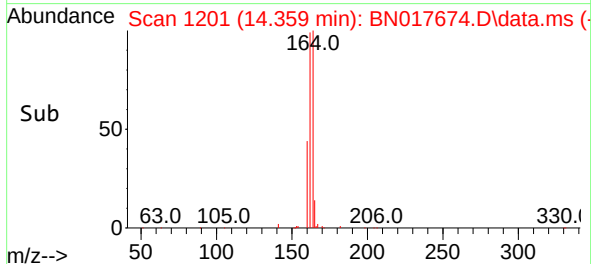
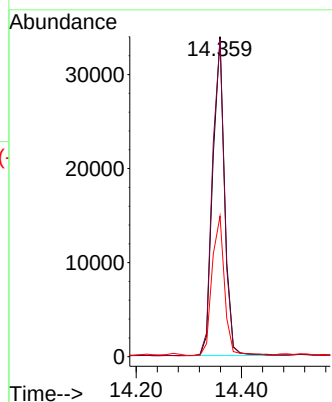
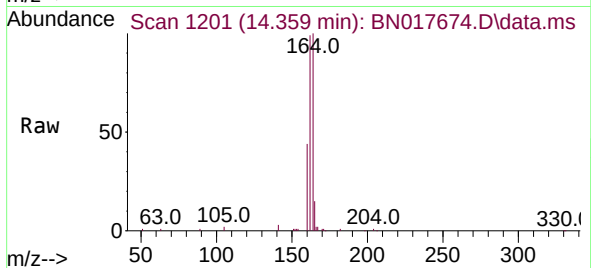




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

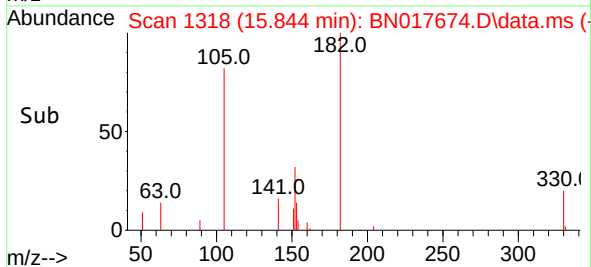
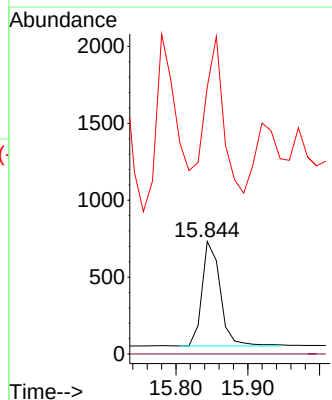
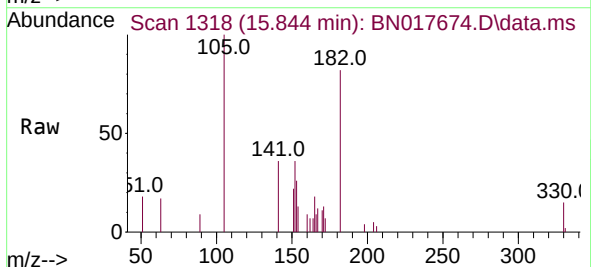
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ClientSampleId :
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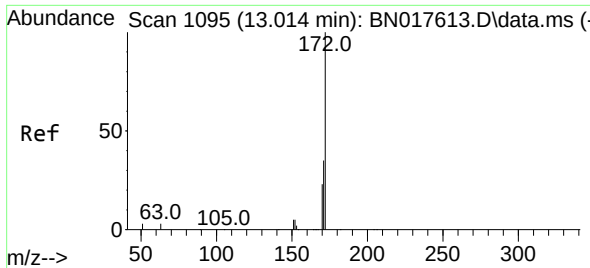
Tgt Ion:164 Resp: 52671
Ion Ratio Lower Upper
164 100
162 99.3 81.4 122.2
160 43.9 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.162 ng
RT: 15.844 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:330 Resp: 1208
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 145.4 28.9 43.3#

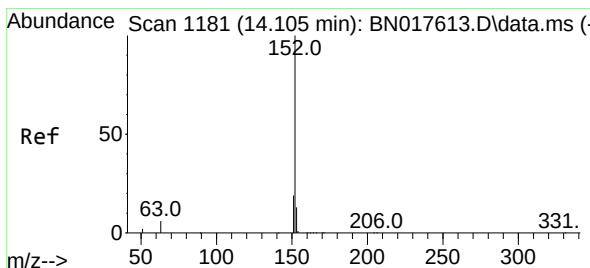
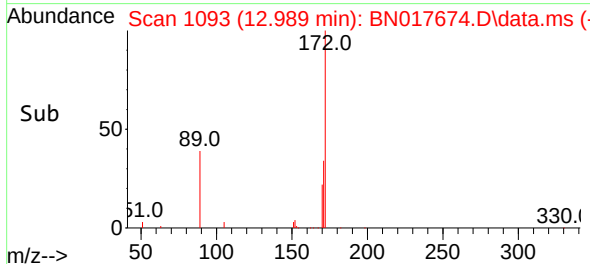
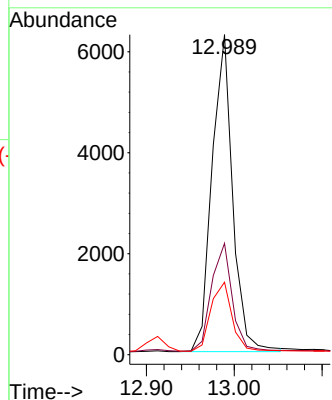
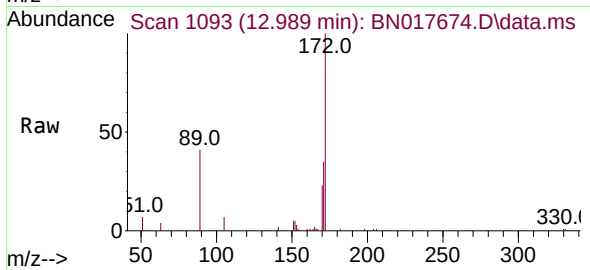




#15
2-Fluorobiphenyl
Concen: 0.050 ng
RT: 12.989 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

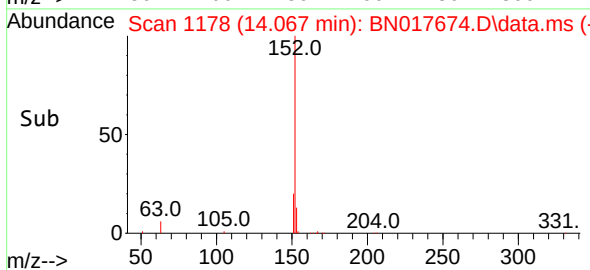
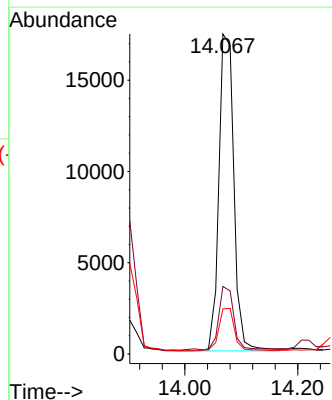
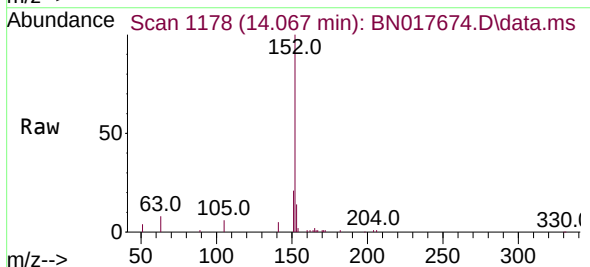
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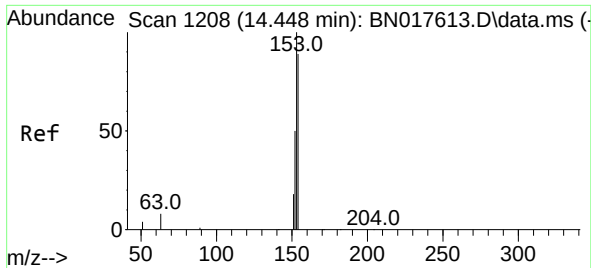
Tgt Ion:172 Resp: 10232
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 22.7 19.4 29.2



#16
Acenaphthylene
Concen: 0.156 ng
RT: 14.067 min Scan# 1178
Delta R.T. -0.012 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:152 Resp: 32052
Ion Ratio Lower Upper
152 100
151 20.9 15.5 23.3
153 13.9 10.4 15.6

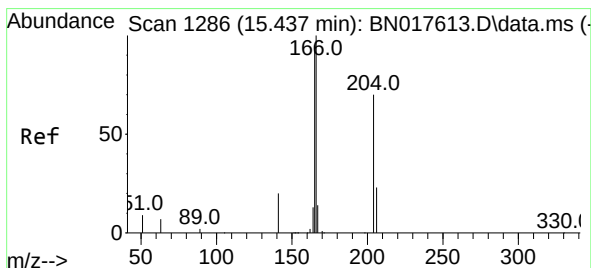
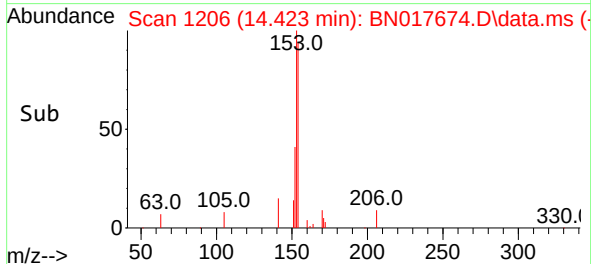
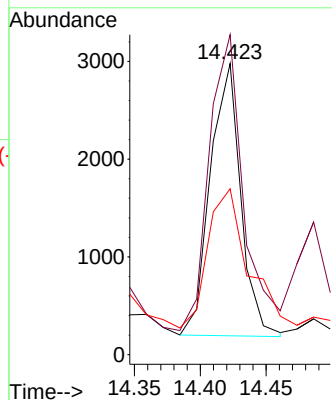
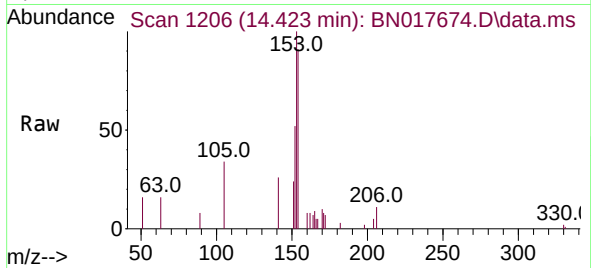




#17
Acenaphthene
Concen: 0.031 ng
RT: 14.423 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

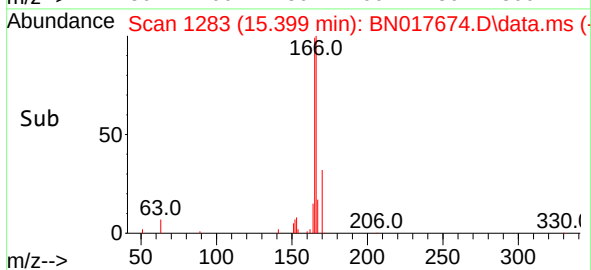
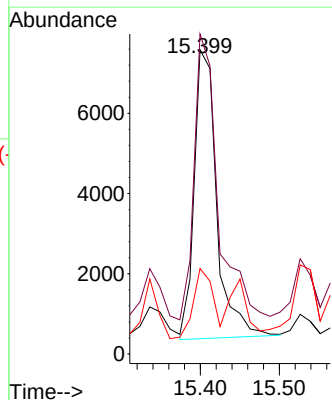
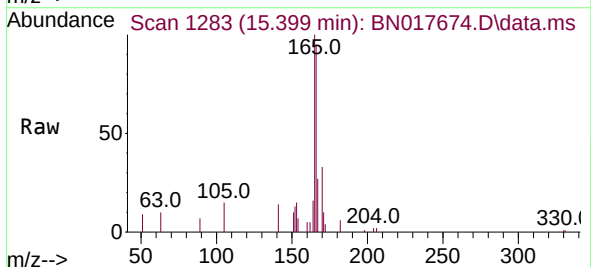
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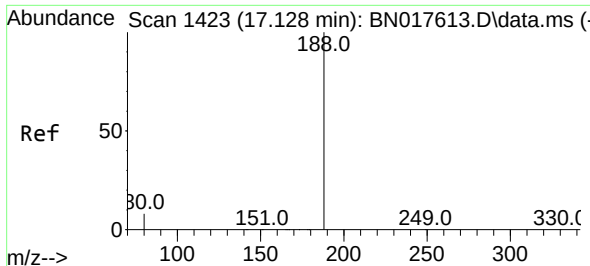
Tgt Ion:154 Resp: 4471
Ion Ratio Lower Upper
154 100
153 121.7 91.2 136.8
152 67.7 44.3 66.5#



#18
Fluorene
Concen: 0.083 ng
RT: 15.399 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:166 Resp: 14292
Ion Ratio Lower Upper
166 100
165 107.2 77.9 116.9
167 21.3 10.9 16.3#

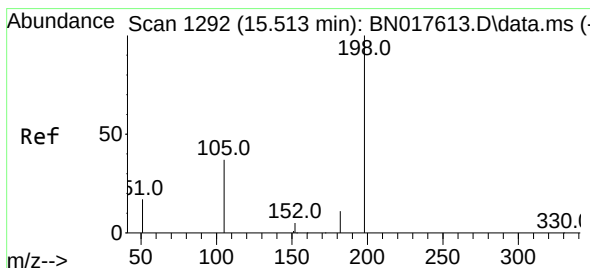
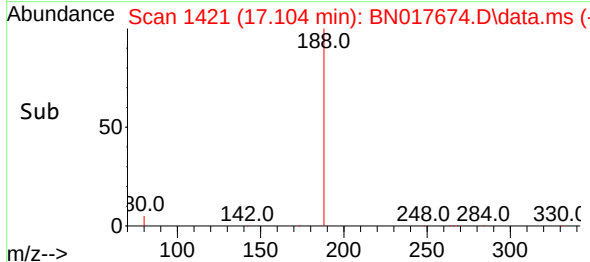
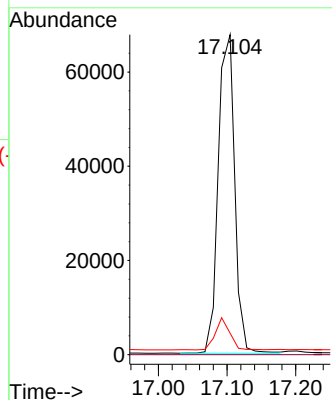
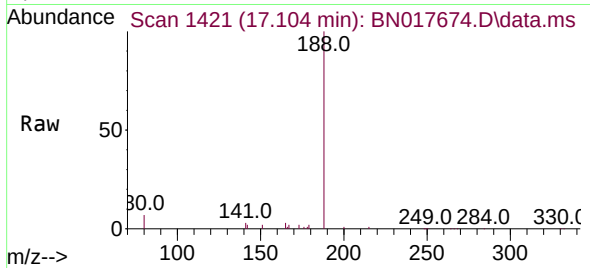




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

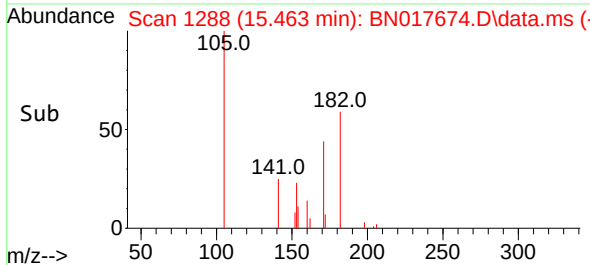
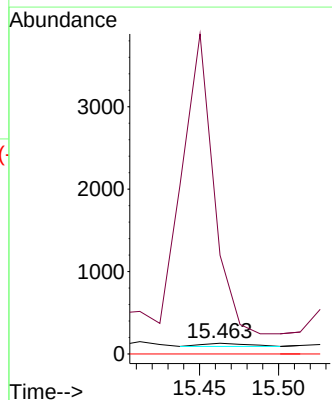
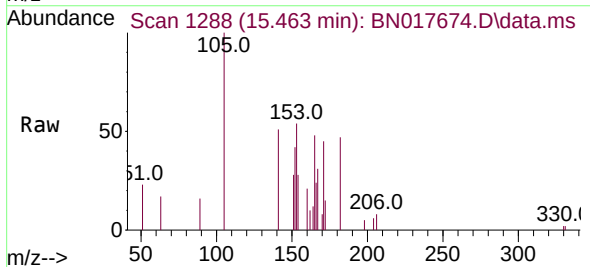
Instrument :
BNA_N
ClientSampleId :
SLAB-4

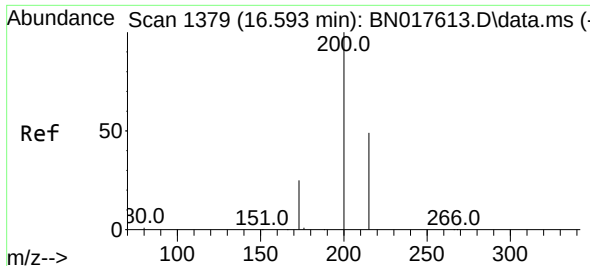
Tgt Ion:188 Resp: 112078
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 6.1 9.1



#20
4,6-Dinitro-2-methylphenol
Concen: 0.073 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.025 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:198 Resp: 81
Ion Ratio Lower Upper
198 100
182 920.8 11.4 17.2#
77 0.0 0.0 0.0

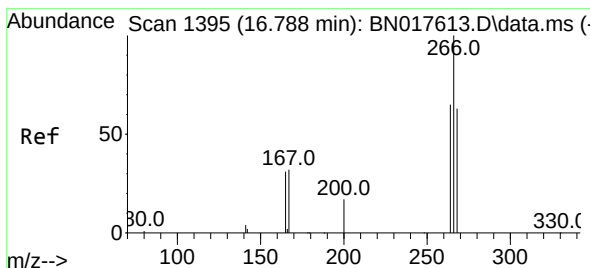
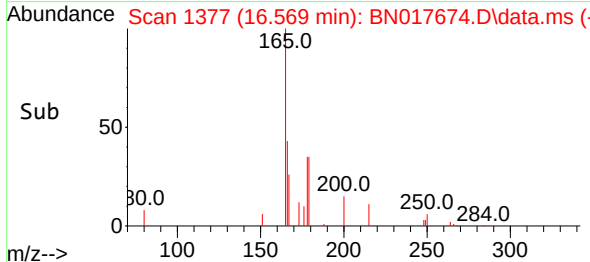
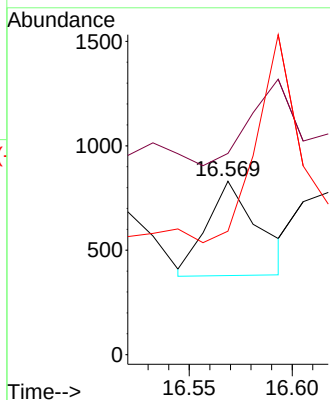
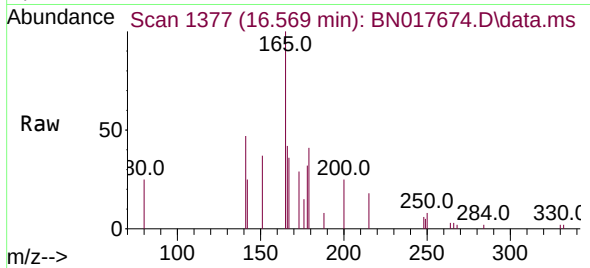




#23
 Atrazine
 Concen: 0.146 ng
 RT: 16.569 min Scan# 1377
 Delta R.T. 0.000 min
 Lab File: BN017674.D
 Acq: 02 Dec 2021 07:03

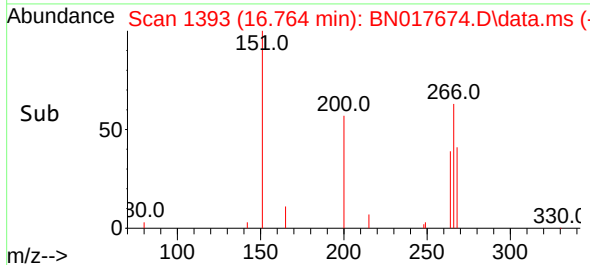
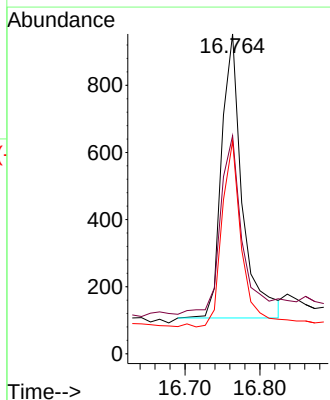
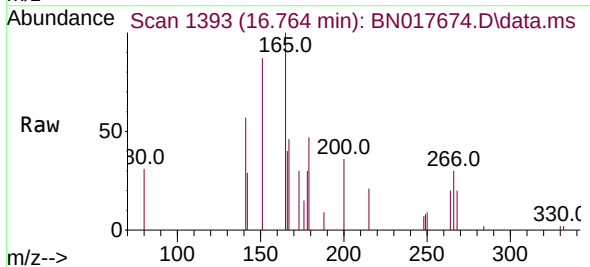
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-4

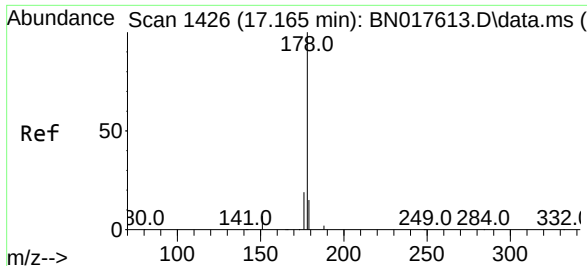
Tgt Ion:200 Resp: 788
 Ion Ratio Lower Upper
 200 100
 173 116.1 17.6 26.4#
 215 71.2 40.2 60.4#



#24
 Pentachlorophenol
 Concen: 0.230 ng
 RT: 16.764 min Scan# 1393
 Delta R.T. 0.000 min
 Lab File: BN017674.D
 Acq: 02 Dec 2021 07:03

Tgt Ion:266 Resp: 1621
 Ion Ratio Lower Upper
 266 100
 264 71.2 49.8 74.8
 268 65.2 51.3 76.9

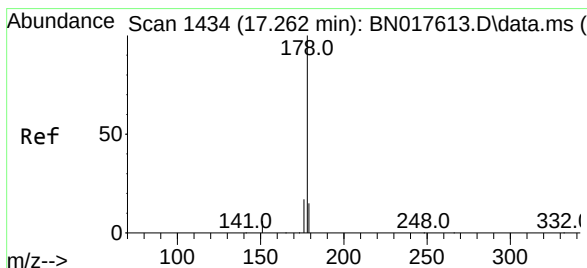
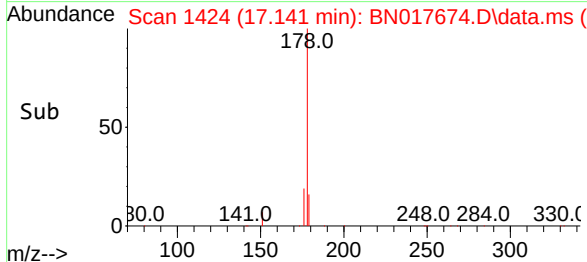
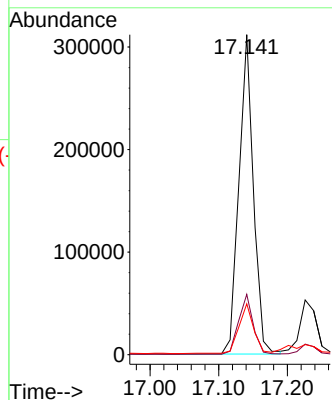
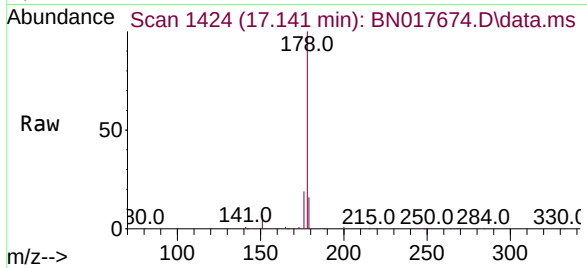




#25
Phenanthrene
Concen: 1.489 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

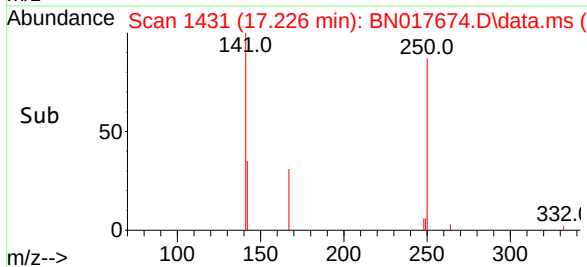
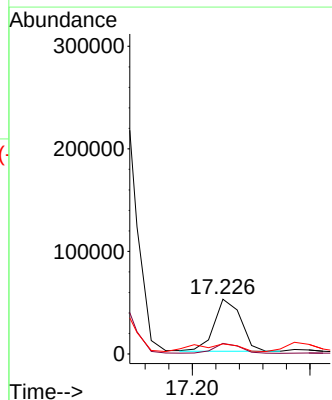
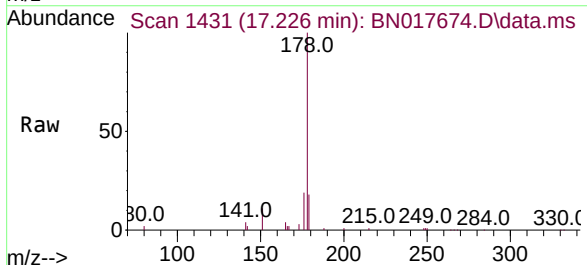
Instrument :
BNA_N
ClientSampleId :
SLAB-4

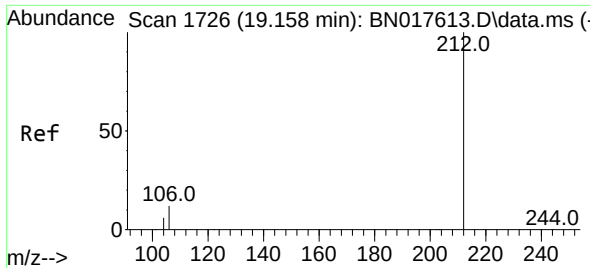
Tgt Ion:178 Resp: 457634
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 16.1 12.3 18.5



#26
Anthracene
Concen: 0.303 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:178 Resp: 80159
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 24.8 12.2 18.4#

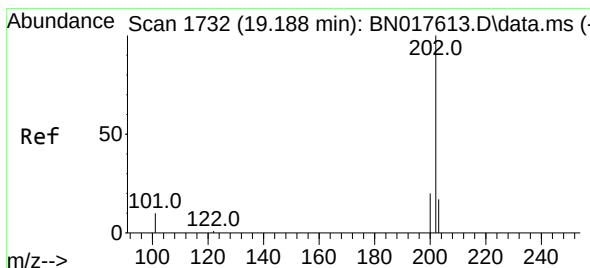
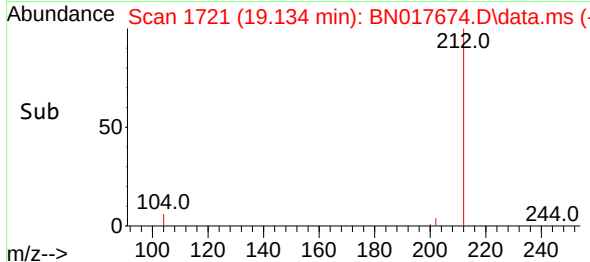
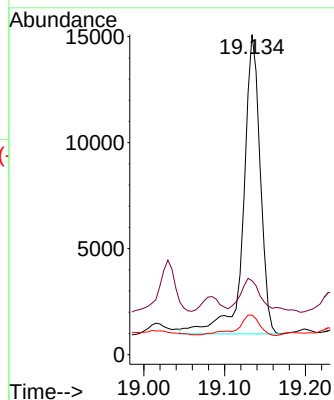
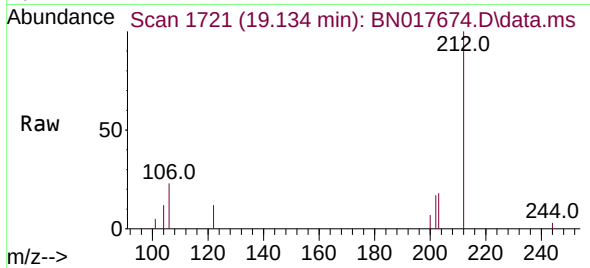




#27
Fluoranthene-d10
Concen: 0.058 ng
RT: 19.134 min Scan# 1721
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

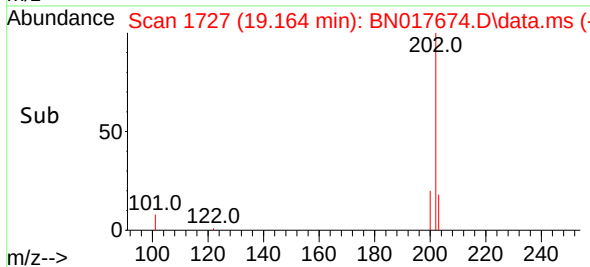
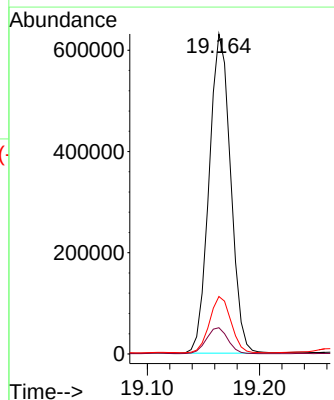
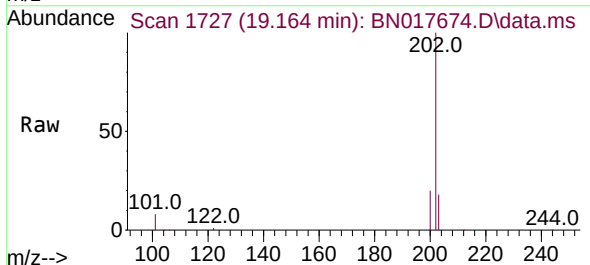
Instrument :
BNA_N
ClientSampleId :
SLAB-4

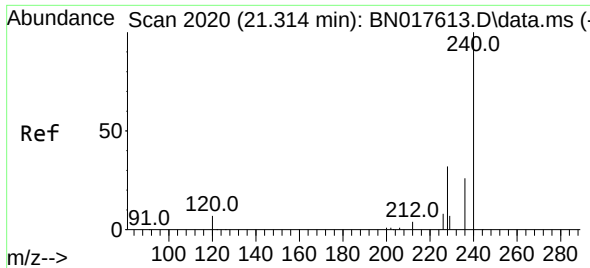
Tgt Ion:212 Resp: 20441
Ion Ratio Lower Upper
212 100
106 14.3 10.5 15.7
104 9.0 5.8 8.6#



#28
Fluoranthene
Concen: 2.417 ng
RT: 19.164 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:202 Resp: 840828
Ion Ratio Lower Upper
202 100
101 8.1 8.9 13.3#
203 17.4 13.8 20.6

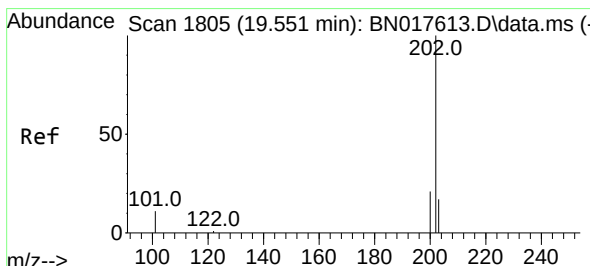
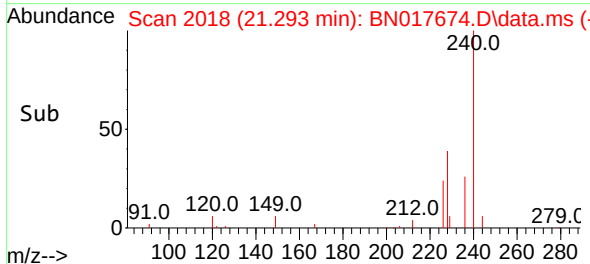
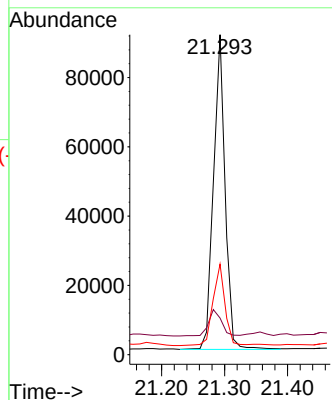
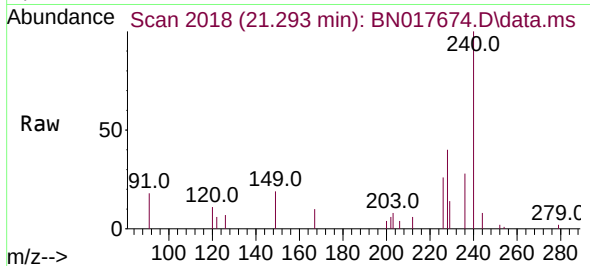




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 20
Delta R.T. 0.011 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

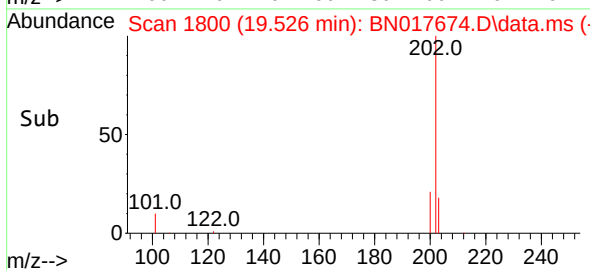
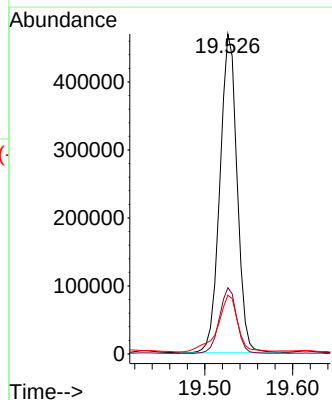
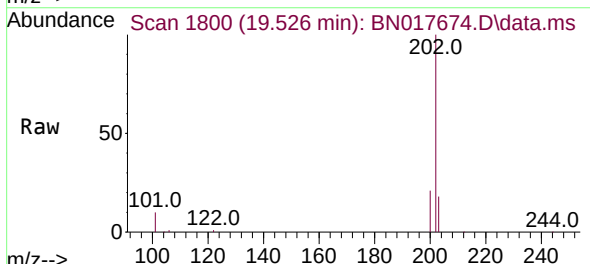
Instrument :
BNA_N
ClientSampleId :
SLAB-4

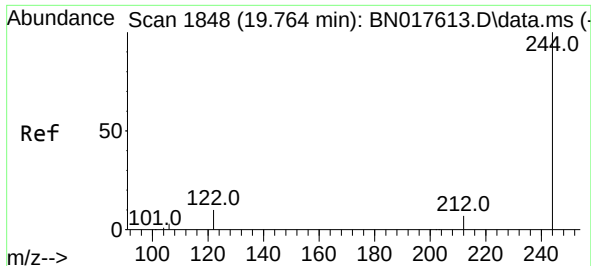
Tgt Ion:240 Resp: 116307
Ion Ratio Lower Upper
240 100
120 11.4 4.2 6.2#
236 28.3 20.0 30.0



#30
Pyrene
Concen: 1.698 ng
RT: 19.526 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:202 Resp: 637491
Ion Ratio Lower Upper
202 100
200 20.6 16.5 24.7
203 20.8 14.0 21.0

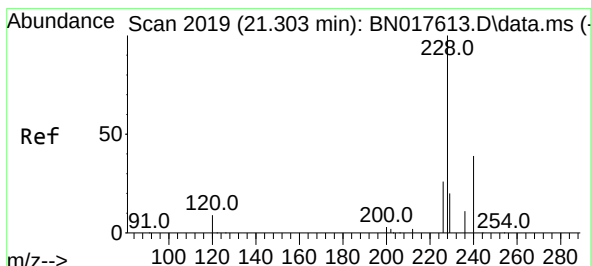
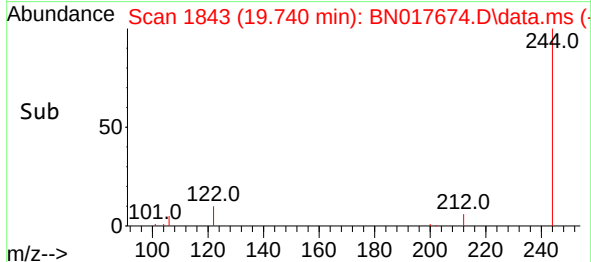
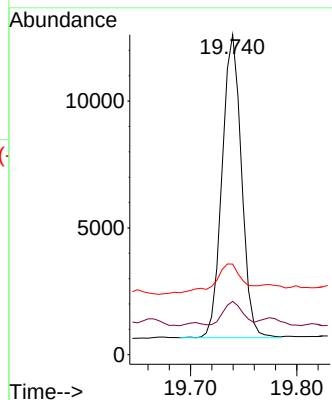
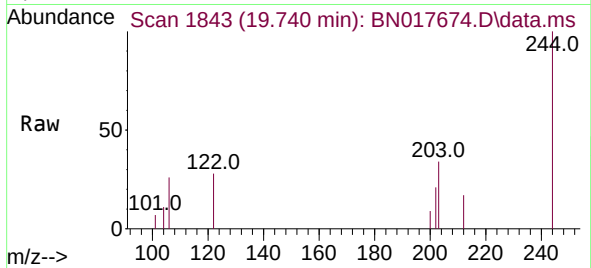




#31
 Terphenyl-d14
 Concen: 0.059 ng
 RT: 19.740 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN017674.D
 Acq: 02 Dec 2021 07:03

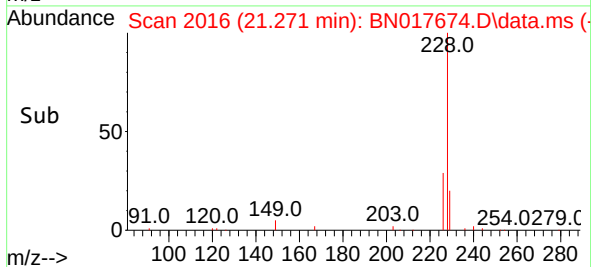
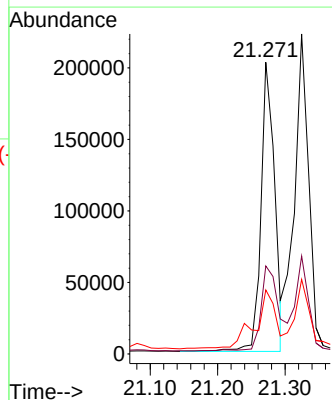
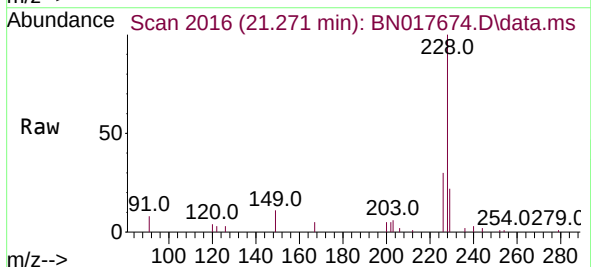
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-4

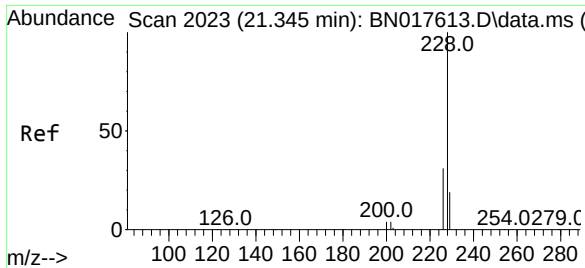
Tgt Ion:244 Resp: 15127
 Ion Ratio Lower Upper
 244 100
 212 16.6 5.7 8.5#
 122 28.3 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 0.808 ng
 RT: 21.271 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BN017674.D
 Acq: 02 Dec 2021 07:03

Tgt Ion:228 Resp: 285294
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.3 31.9
 229 21.9 15.7 23.5





#33

Chrysene

Concen: 0.844 ng

RT: 21.325 min Scan# 20

Delta R.T. 0.000 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

Instrument :

BNA_N

ClientSampleId :

SLAB-4

Tgt Ion:228 Resp: 324319

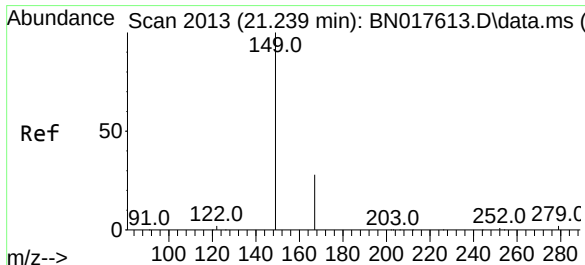
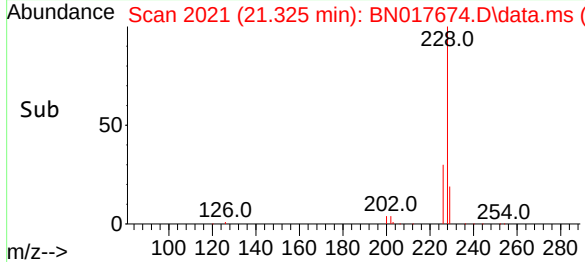
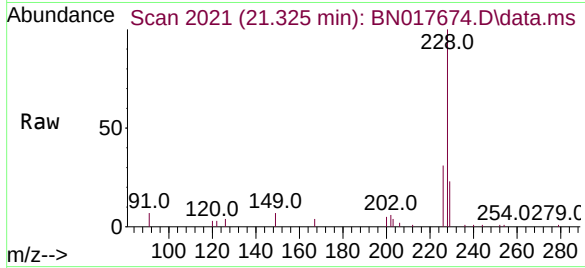
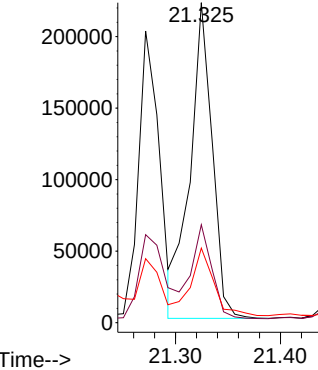
Ion Ratio Lower Upper

228 100

226 30.6

229 23.3

Abundance



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.991 ng

RT: 21.218 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

Tgt Ion:149 Resp: 501990

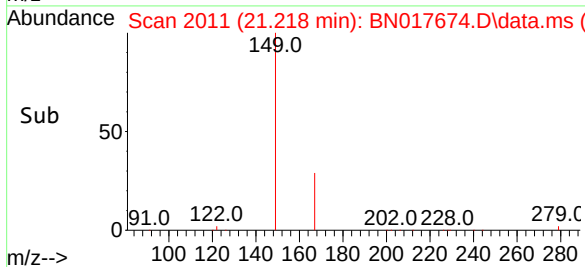
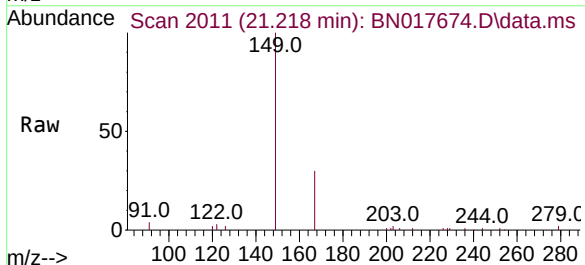
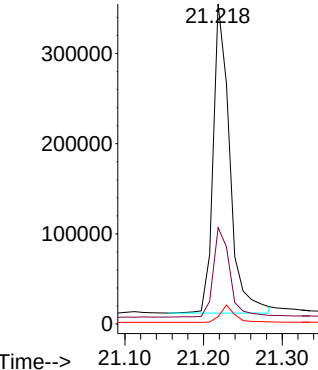
Ion Ratio Lower Upper

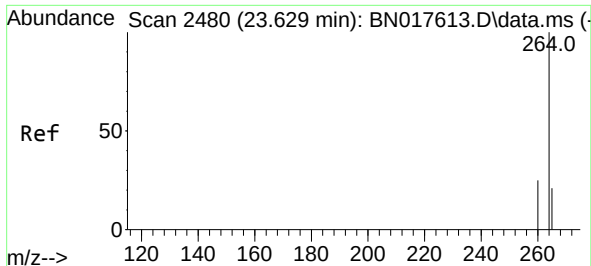
149 100

167 29.1

279 5.0

Abundance

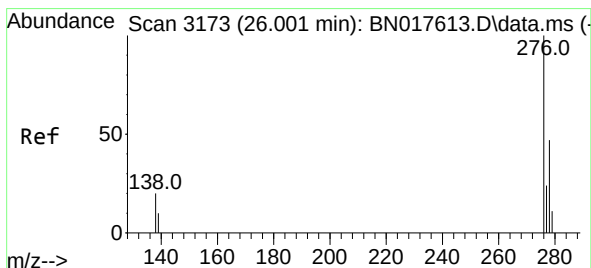
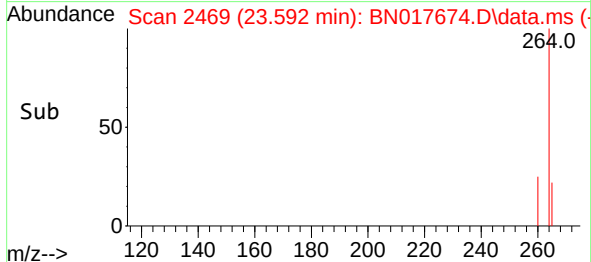
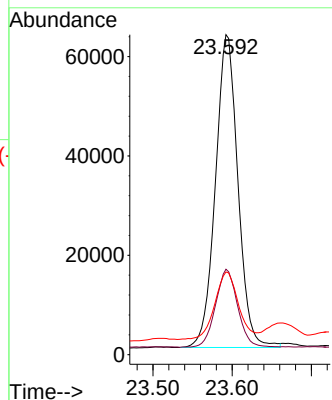
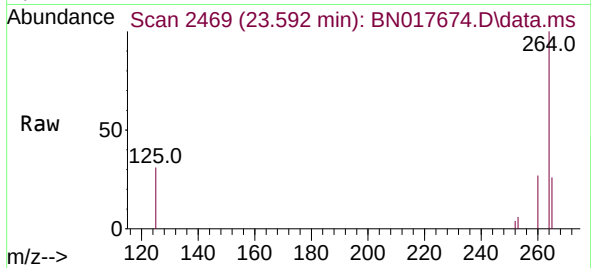




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.592 min Scan# 2480
 Delta R.T. 0.010 min
 Lab File: BN017674.D
 Acq: 02 Dec 2021 07:03

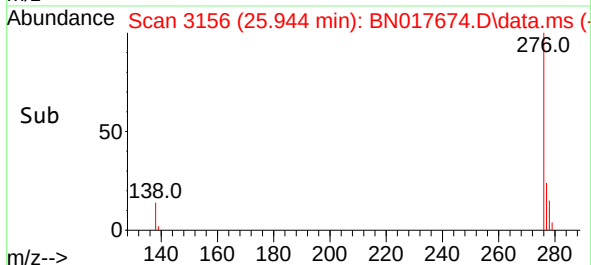
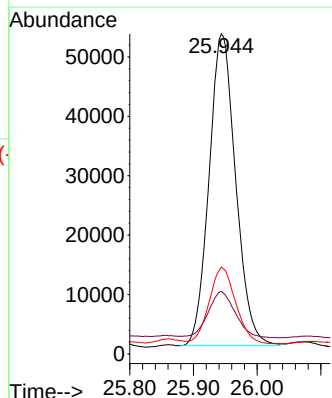
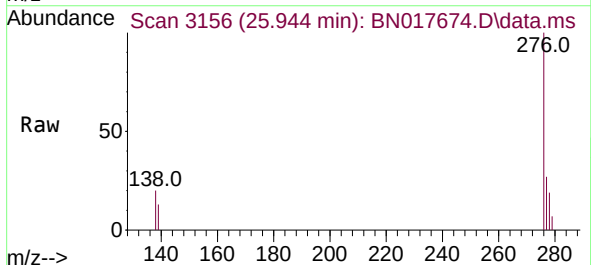
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-4

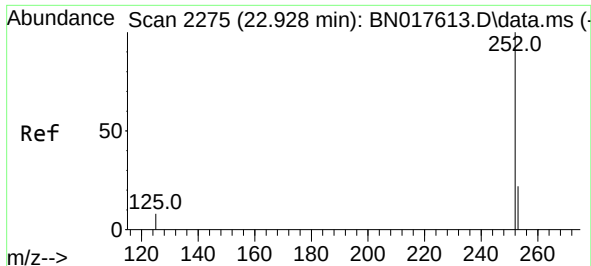
Tgt Ion:264 Resp: 124161
 Ion Ratio Lower Upper
 264 100
 260 26.7 19.4 29.2
 265 25.9 18.6 28.0



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.379 ng
 RT: 25.944 min Scan# 3156
 Delta R.T. 0.004 min
 Lab File: BN017674.D
 Acq: 02 Dec 2021 07:03

Tgt Ion:276 Resp: 152832
 Ion Ratio Lower Upper
 276 100
 138 15.2 19.7 29.5#
 277 24.4 20.0 30.0





#37

Benzo(b)fluoranthene

Concen: 0.990 ng

RT: 22.901 min Scan# 21

Delta R.T. 0.014 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

Instrument :

BN017674.D

ClientSampleId :

SLAB-4

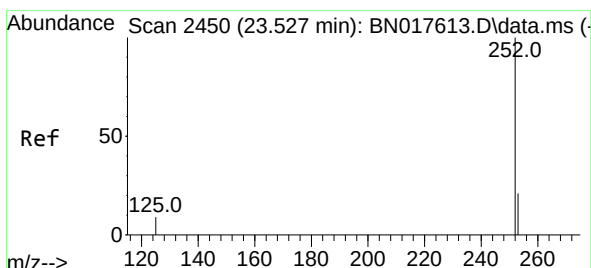
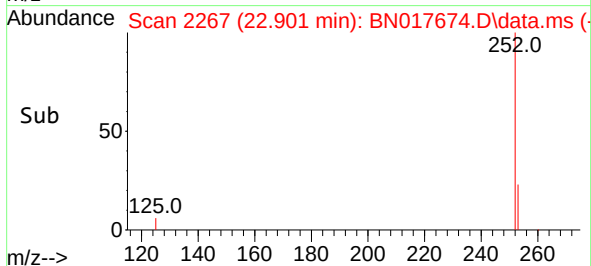
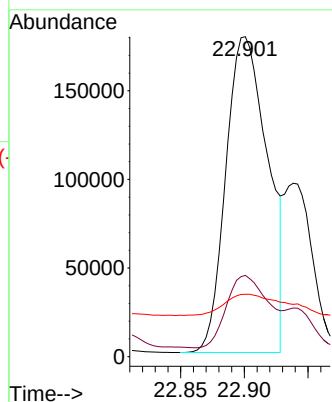
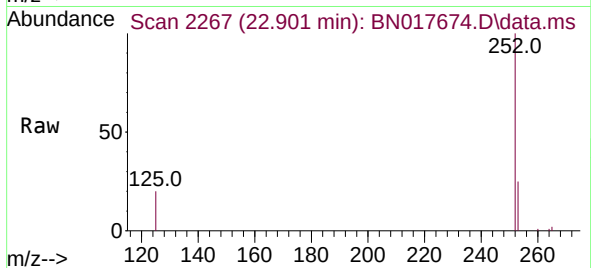
Tgt Ion:252 Resp: 407803

Ion Ratio Lower Upper

252 100

253 25.4 17.7 26.5

125 19.5 7.8 11.8#



#39

Benzo(a)pyrene

Concen: 0.604 ng

RT: 23.489 min Scan# 2439

Delta R.T. 0.010 min

Lab File: BN017674.D

Acq: 02 Dec 2021 07:03

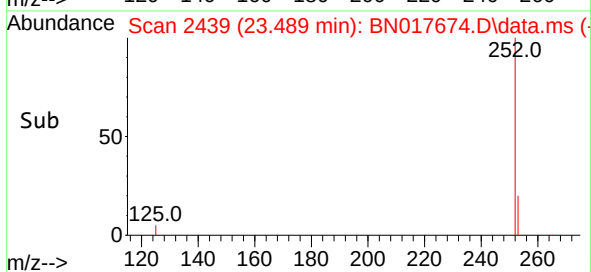
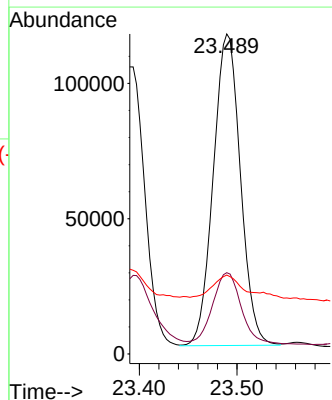
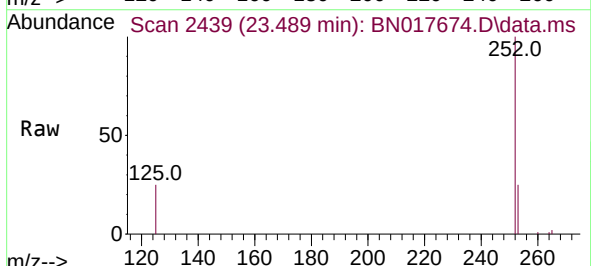
Tgt Ion:252 Resp: 222468

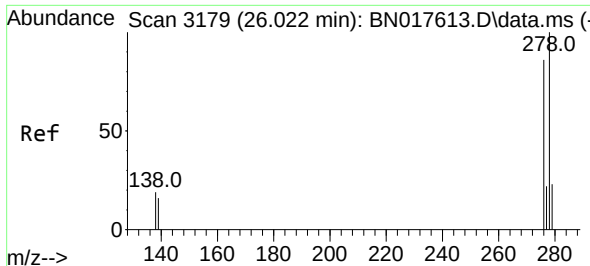
Ion Ratio Lower Upper

252 100

253 25.4 17.9 26.9

125 24.7 9.2 13.8#

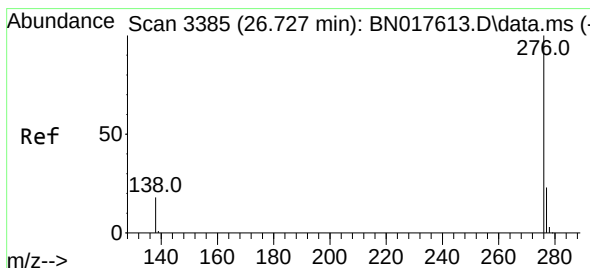
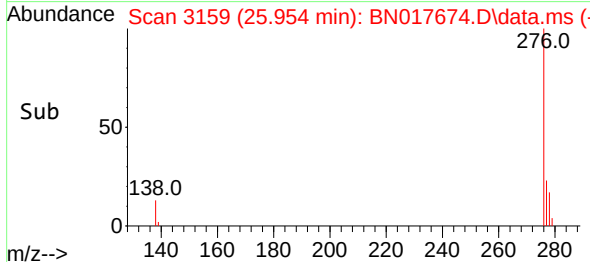
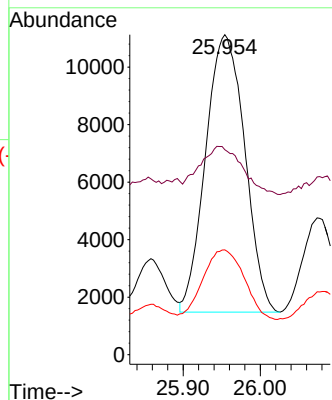
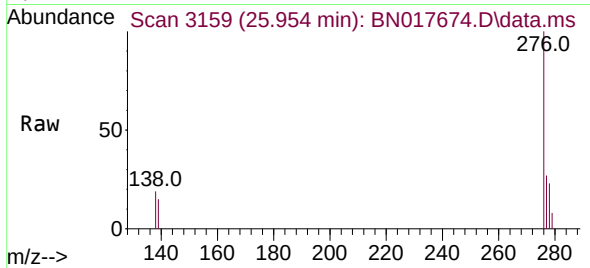




#40
Dibenzo(a,h)anthracene
Concen: 0.103 ng
RT: 25.954 min Scan# 3179
Delta R.T. 0.000 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Instrument :
BNA_N
ClientSampleId :
SLAB-4

Tgt Ion:278 Resp: 34017
Ion Ratio Lower Upper
278 100
139 64.1 13.0 19.6#
279 32.7 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 0.400 ng
RT: 26.666 min Scan# 3367
Delta R.T. 0.010 min
Lab File: BN017674.D
Acq: 02 Dec 2021 07:03

Tgt Ion:276 Resp: 135420
Ion Ratio Lower Upper
276 100
277 26.7 19.0 28.4
138 19.9 17.1 25.7

