

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017670.D
 Acq On : 02 Dec 2021 04:39
 Operator : CG/JU
 Sample : M4895-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-1

Quant Time: Dec 02 05:10:38 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)

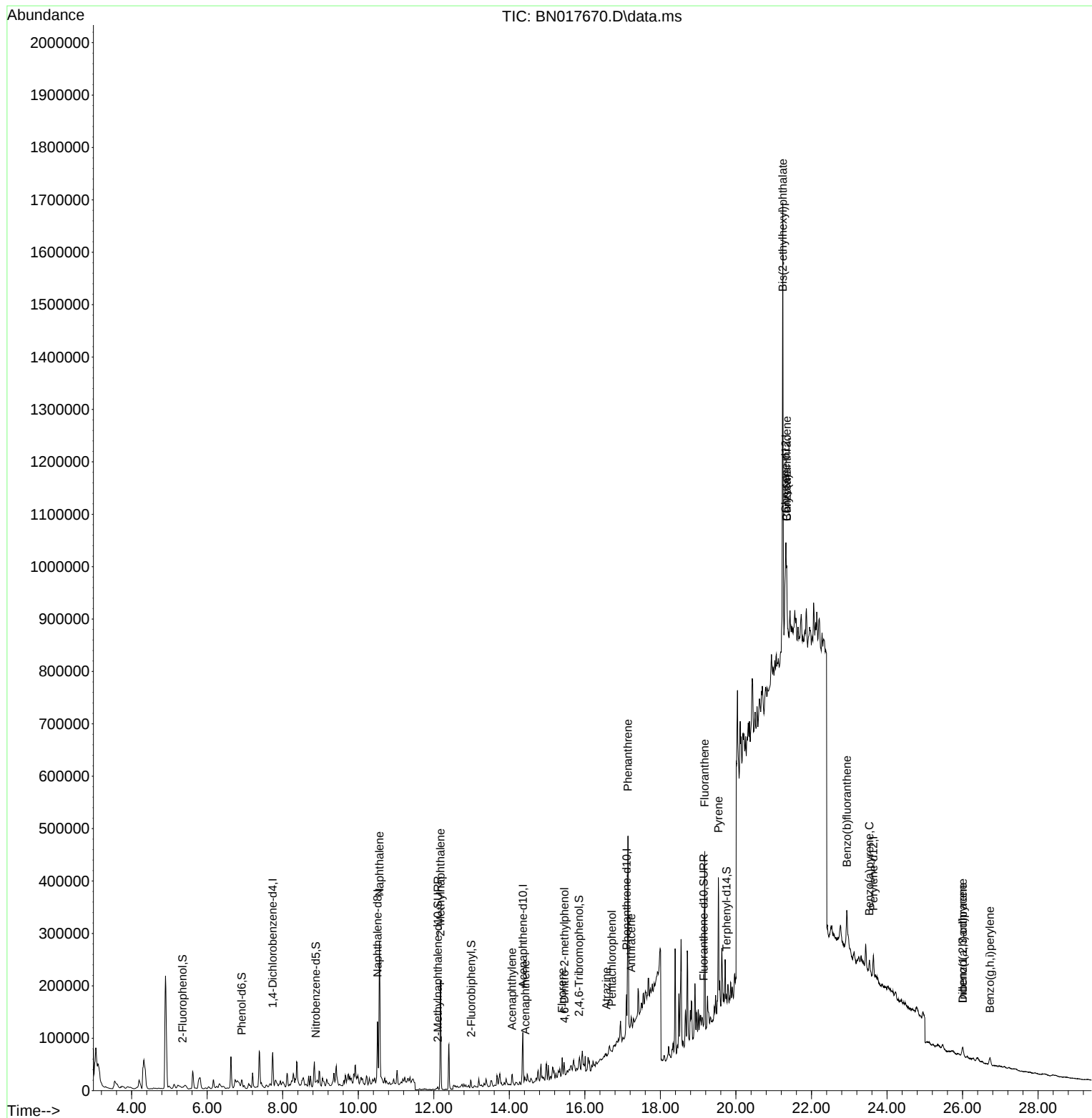
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	19118	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	83417	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	58456	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	113502	0.400	ng	# 0.00
29) Chrysene-d12	21.314	240	84623	0.400	ng	# 0.03
35) Perylene-d12	23.640	264	63800	0.400	ng	# 0.06
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	931	0.021	ng	0.00
5) Phenol-d6	6.915	99	2079	0.045	ng	0.00
8) Nitrobenzene-d5	8.874	82	4446	0.126	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	7224	0.050	ng	0.00
14) 2,4,6-Tribromophenol	15.843	330	333	0.134	ng	0.00
15) 2-Fluorobiphenyl	12.989	172	10274	0.045	ng	0.00
27) Fluoranthene-d10	19.144	212	16404	0.046	ng	0.00
31) Terphenyl-d14	19.749	244	13461	0.073	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.560	128	346511	1.647	ng	99
12) 2-Methylnaphthalene	12.178	142	145774	1.050	ng	97
16) Acenaphthylene	14.067	152	20552	0.090	ng	# 85
17) Acenaphthene	14.422	154	3579	0.023	ng	# 78
18) Fluorene	15.399	166	9442	0.049	ng	# 51
20) 4,6-Dinitro-2-methylph...	15.463	198	309	0.119	ng	# 1
23) Atrazine	16.569	200	3076	0.188	ng	# 1
24) Pentachlorophenol	16.715	266	250	0.198	ng	# 19
25) Phenanthrene	17.141	178	362048	1.163	ng	# 93
26) Anthracene	17.226	178	22940	0.086	ng	# 76
28) Fluoranthene	19.173	202	308791	0.877	ng	95
30) Pyrene	19.536	202	239791	0.878	ng	97
32) Benzo(a)anthracene	21.346	228	326352	1.270	ng	# 61
33) Chrysene	21.346	228	293025	1.048	ng	# 65
34) Bis(2-ethylhexyl)phtha...	21.239	149	861062	14.123	ng	# 94
36) Indeno(1,2,3-cd)pyrene	26.005	276	29340	0.142	ng	# 68
37) Benzo(b)fluoranthene	22.938	252	130828	0.618	ng	# 1
39) Benzo(a)pyrene	23.534	252	41514	0.219	ng	# 1
40) Dibenzo(a,h)anthracene	26.005	278	9734	0.057	ng	# 1
41) Benzo(g,h,i)perylene	26.727	276	27878	0.160	ng	# 1

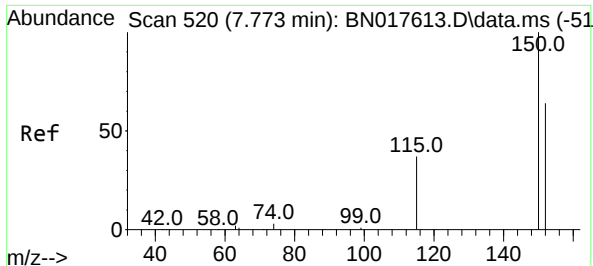
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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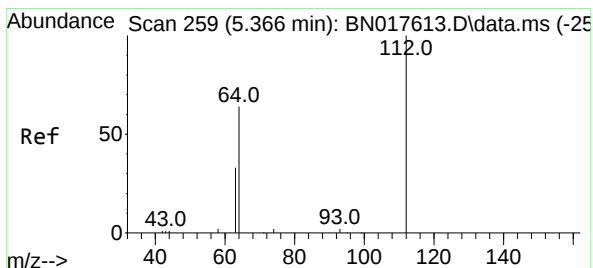
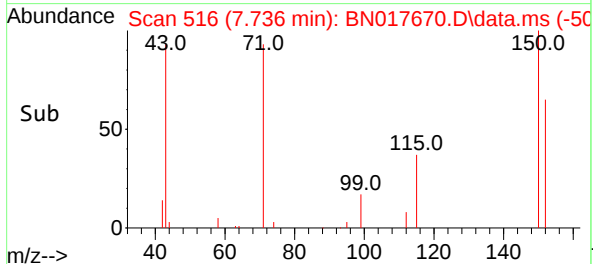
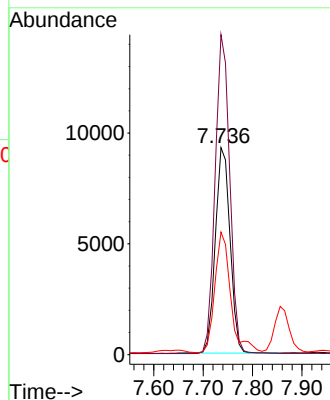
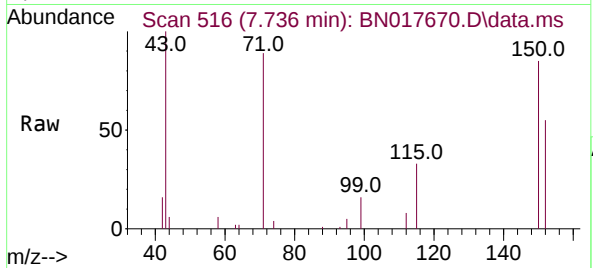




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

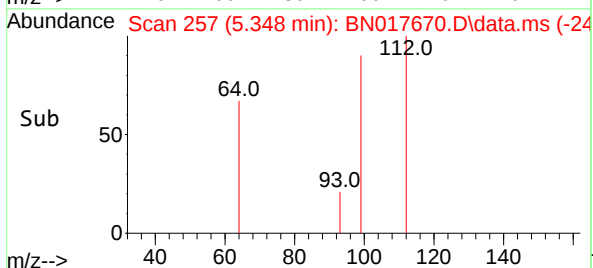
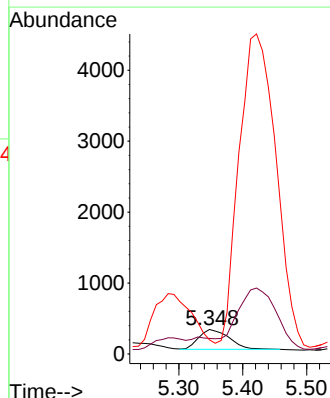
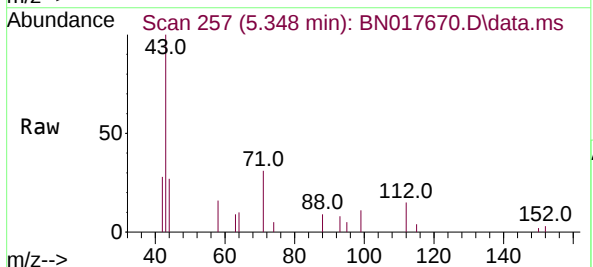
Instrument :
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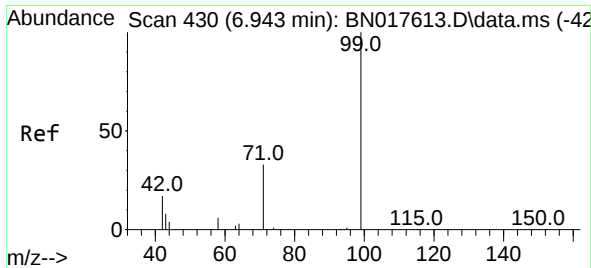
Tgt Ion:152 Resp: 19118
Ion Ratio Lower Upper
152 100
150 154.5 123.0 184.4
115 59.2 45.6 68.4



#4
2-Fluorophenol
Concen: 0.021 ng
RT: 5.348 min Scan# 257
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:112 Resp: 931
Ion Ratio Lower Upper
112 100
64 0.0 47.6 71.4#
63 0.0 24.6 37.0#

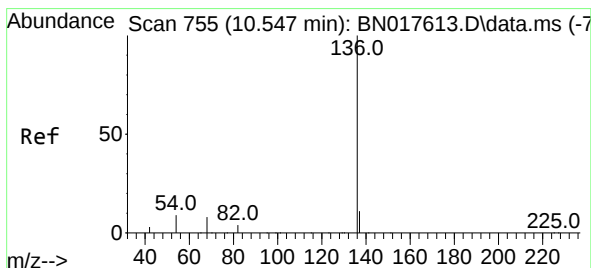
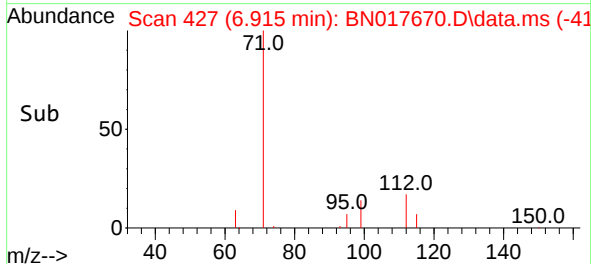
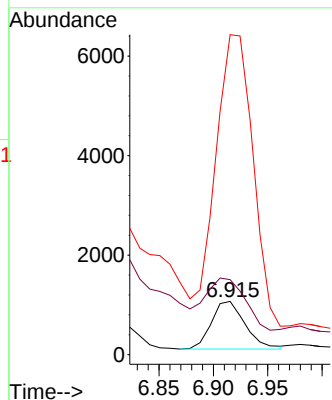
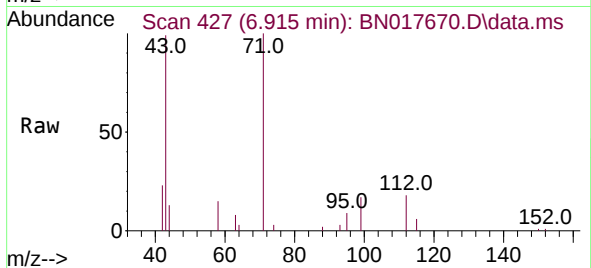




#5
Phenol-d6
Concen: 0.045 ng
RT: 6.915 min Scan# 41
Delta R.T. 0.009 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

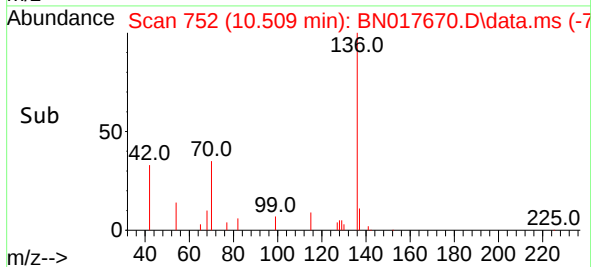
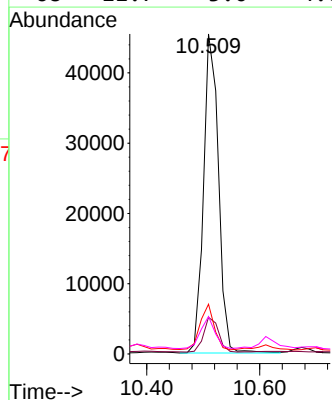
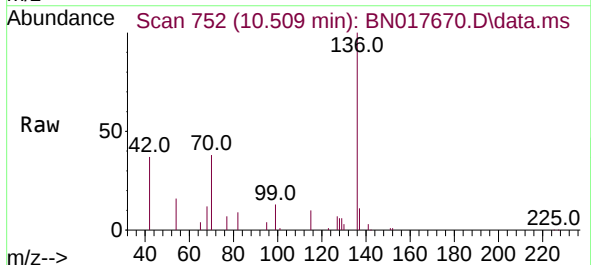
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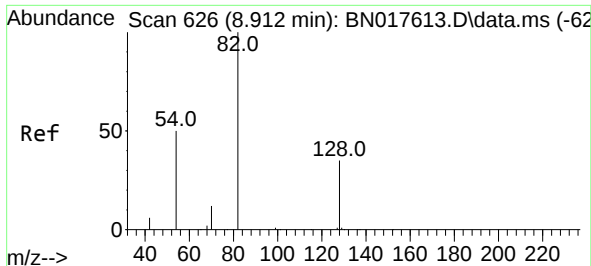
Tgt Ion: 99 Resp: 2079
Ion Ratio Lower Upper
99 100
42 124.4 17.0 25.6#
71 672.4 24.8 37.2#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 752
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion: 136 Resp: 83417
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 15.6 4.0 6.0#
68 11.7 3.0 4.6#

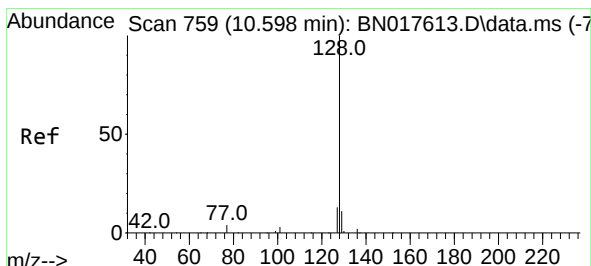
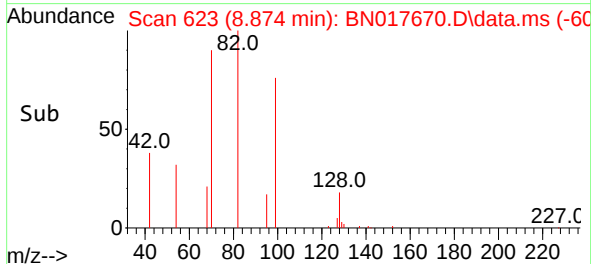
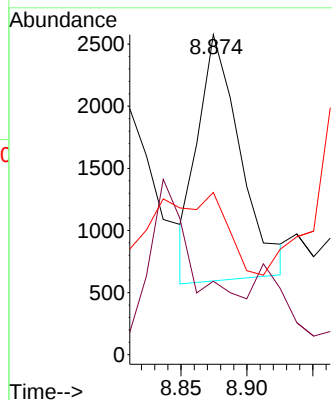
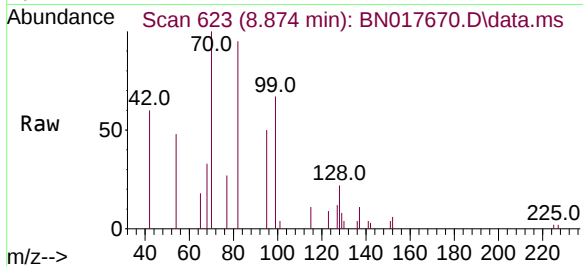




#8
 Nitrobenzene-d5
 Concen: 0.126 ng
 RT: 8.874 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

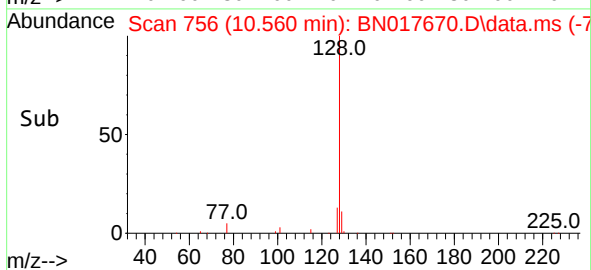
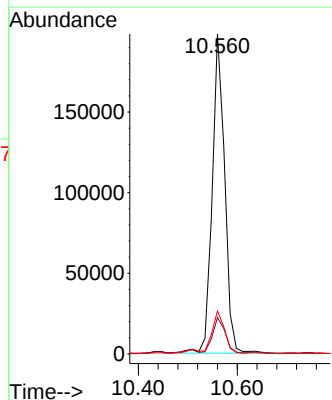
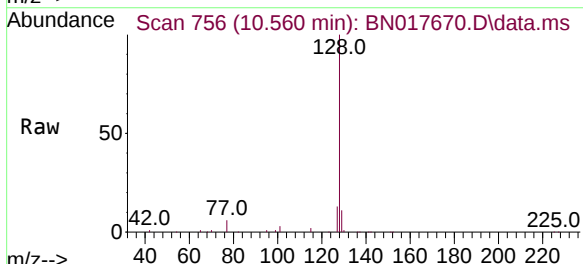
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-1

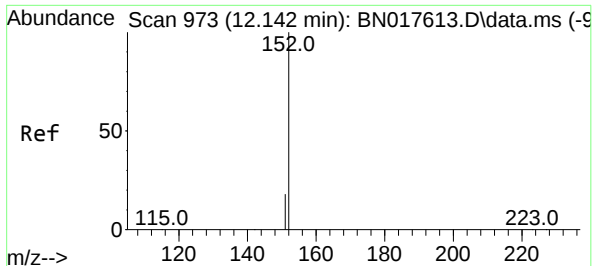
Tgt Ion: 82 Resp: 4446
 Ion Ratio Lower Upper
 82 100
 128 23.0 27.7 41.5#
 54 50.7 49.2 73.8



#9
 Naphthalene
 Concen: 1.647 ng
 RT: 10.560 min Scan# 756
 Delta R.T. -0.000 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

Tgt Ion: 128 Resp: 346511
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 13.5 10.6 15.8





#11

2-Methylnaphthalene-d10

Concen: 0.050 ng

RT: 12.106 min Scan# 9

Delta R.T. -0.000 min

Lab File: BN017670.D

Acq: 02 Dec 2021 04:39

Instrument :

BNA_N

ClientSampleId :

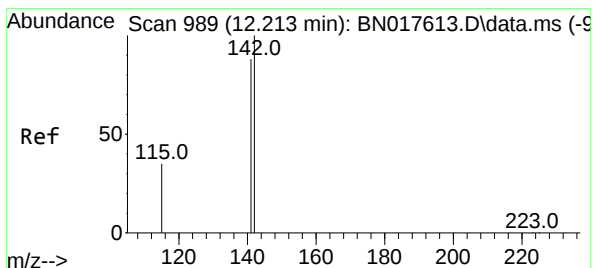
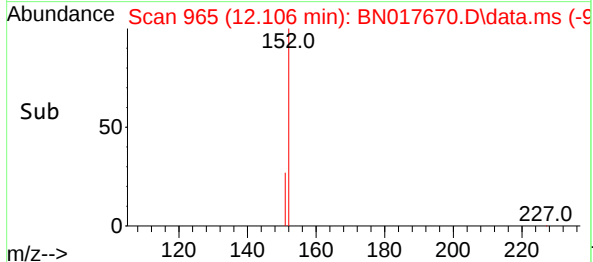
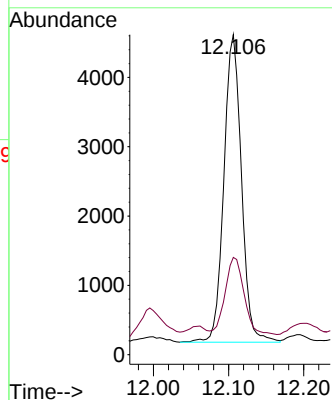
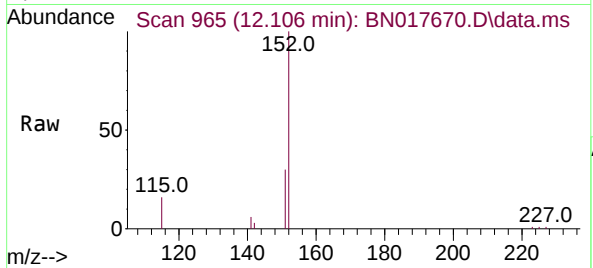
SLAB-1

Tgt Ion:152 Resp: 7224

Ion Ratio Lower Upper

152 100

151 29.0 16.2 24.4#



#12

2-Methylnaphthalene

Concen: 1.050 ng

RT: 12.178 min Scan# 981

Delta R.T. -0.004 min

Lab File: BN017670.D

Acq: 02 Dec 2021 04:39

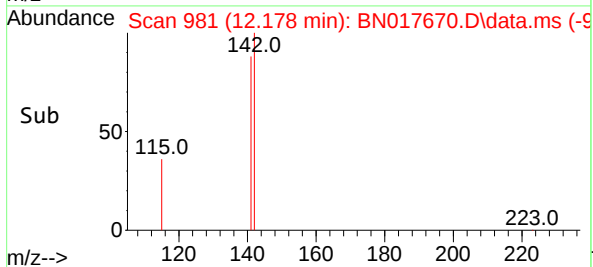
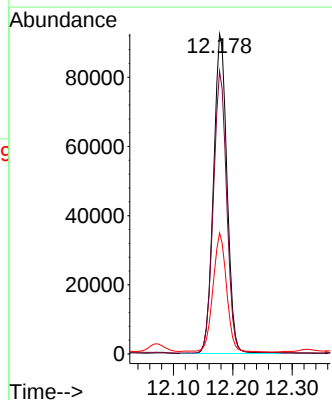
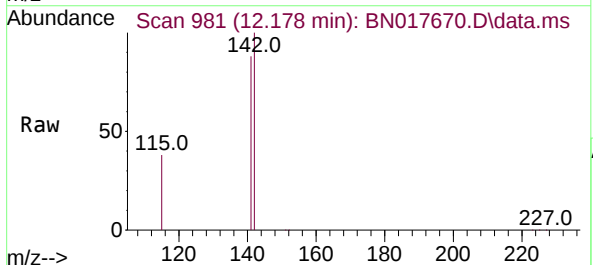
Tgt Ion:142 Resp: 145774

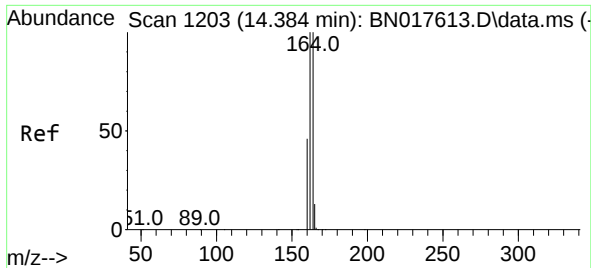
Ion Ratio Lower Upper

142 100

141 88.4 70.6 106.0

115 37.8 25.8 38.6

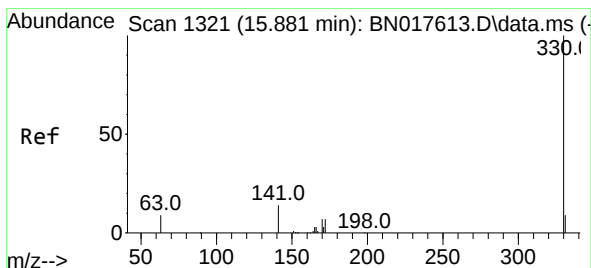
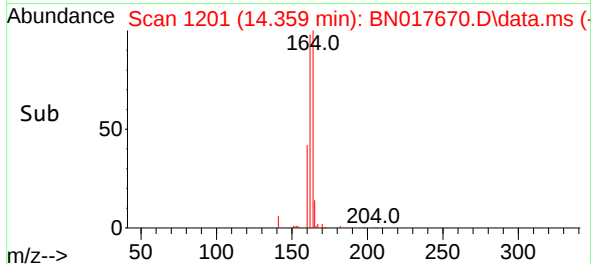
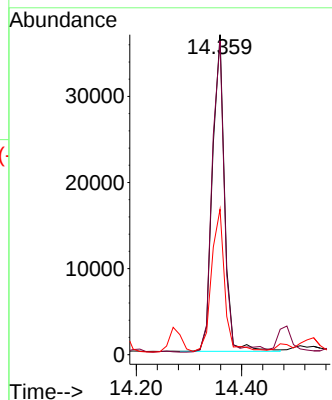
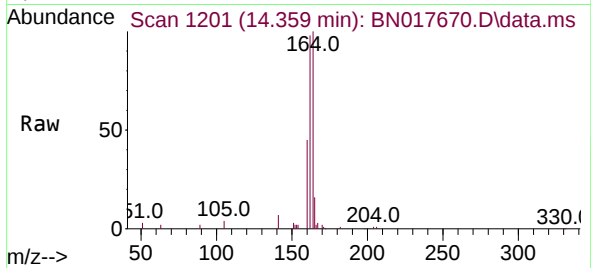




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

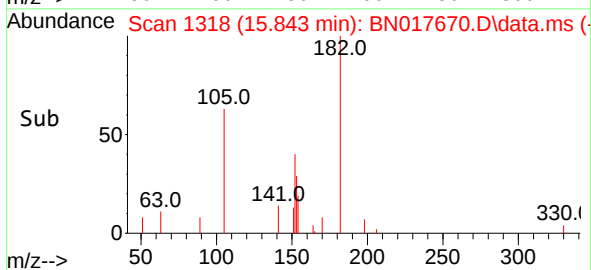
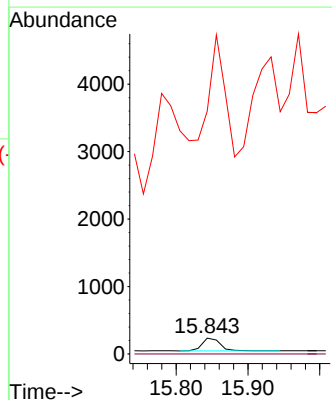
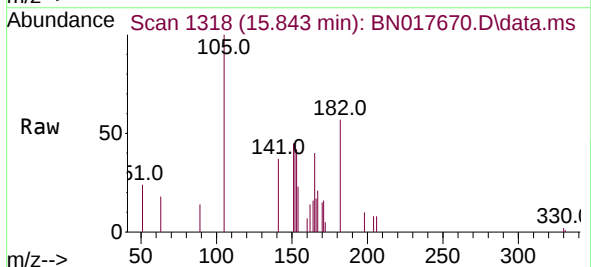
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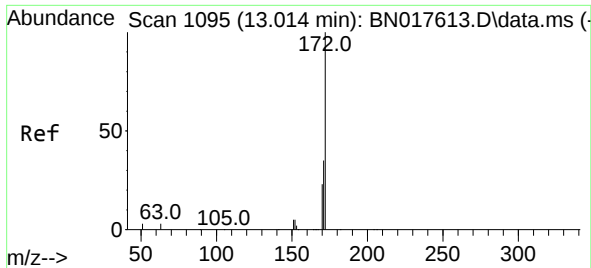
Tgt Ion:164 Resp: 58456
Ion Ratio Lower Upper
164 100
162 98.0 81.4 122.2
160 45.5 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.134 ng
RT: 15.843 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:330 Resp: 333
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 841.7 28.9 43.3#

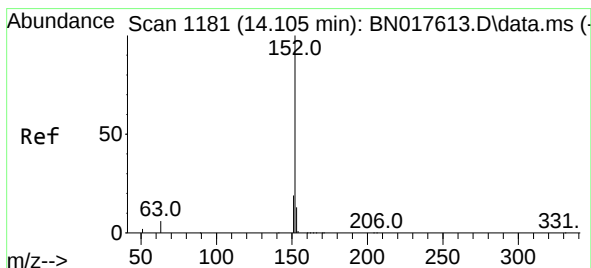
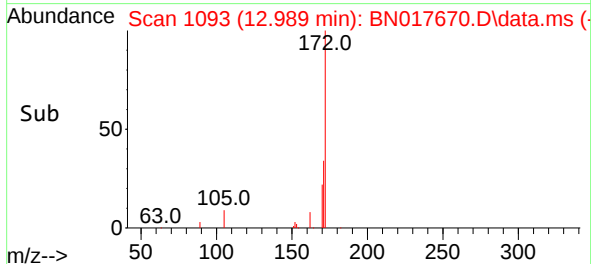
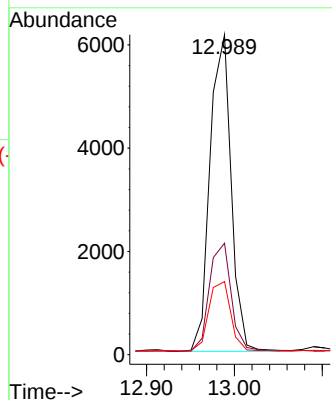
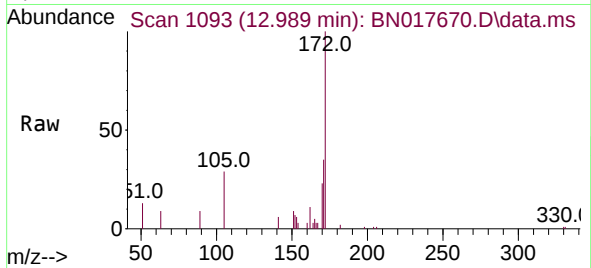




#15
2-Fluorobiphenyl
Concen: 0.045 ng
RT: 12.989 min Scan# 1095
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

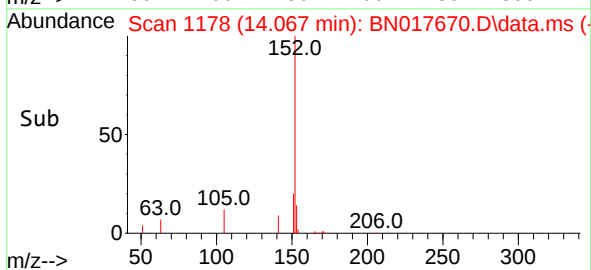
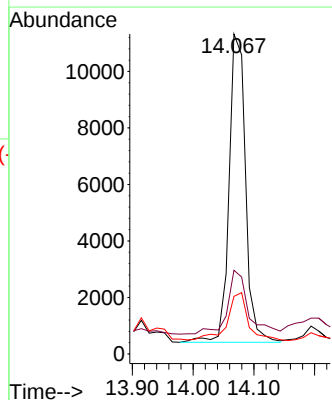
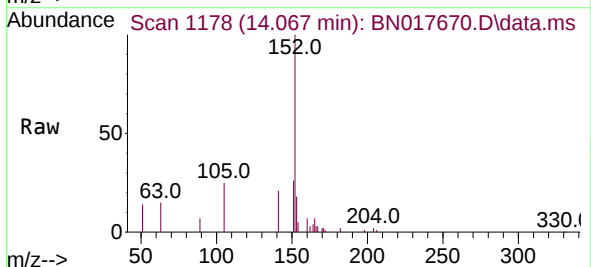
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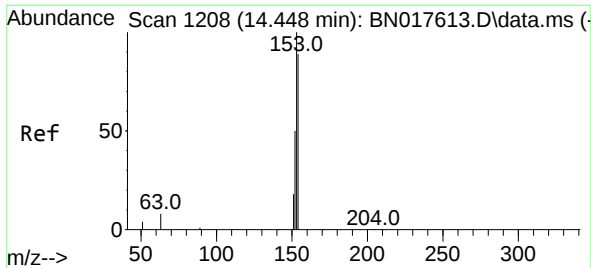
Tgt Ion:172 Resp: 10274
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 22.8 19.4 29.2



#16
Acenaphthylene
Concen: 0.090 ng
RT: 14.067 min Scan# 1178
Delta R.T. -0.013 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:152 Resp: 20552
Ion Ratio Lower Upper
152 100
151 25.9 15.5 23.3#
153 19.7 10.4 15.6#

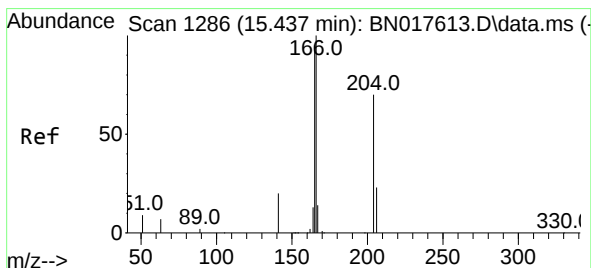
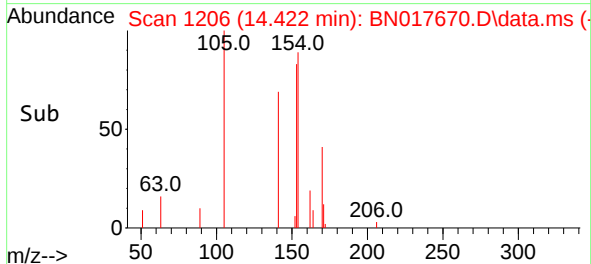
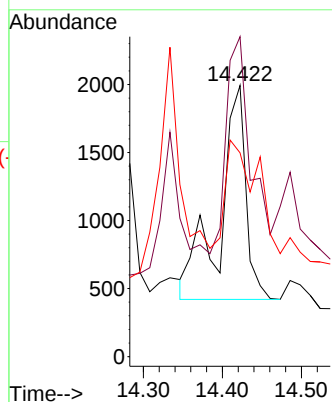
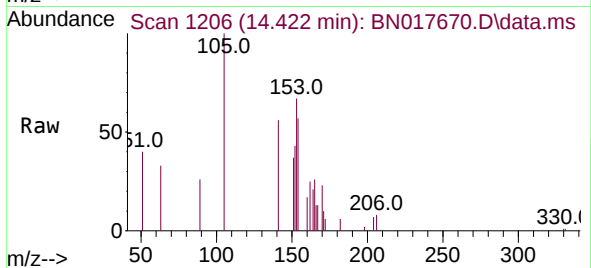




#17
Acenaphthene
Concen: 0.023 ng
RT: 14.422 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

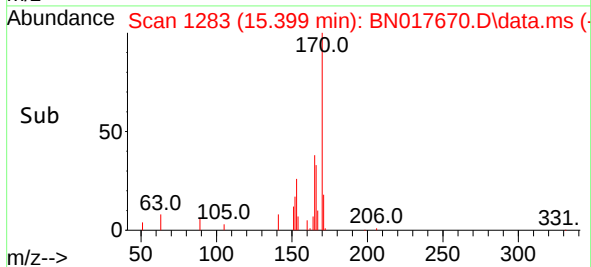
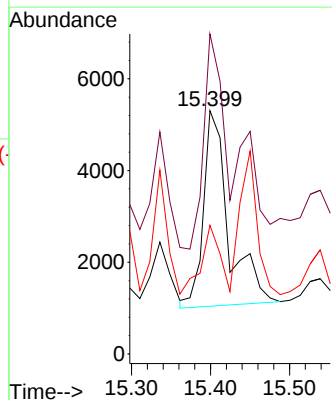
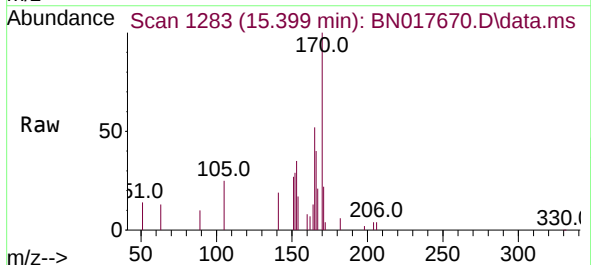
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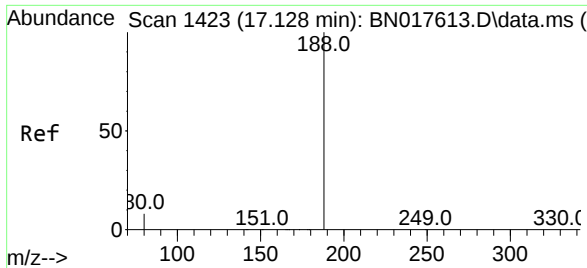
Tgt Ion:154 Resp: 3579
Ion Ratio Lower Upper
154 100
153 95.5 91.2 136.8
152 78.2 44.3 66.5#



#18
Fluorene
Concen: 0.049 ng
RT: 15.399 min Scan# 1283
Delta R.T. -0.013 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:166 Resp: 9442
Ion Ratio Lower Upper
166 100
165 145.3 77.9 116.9#
167 33.4 10.9 16.3#

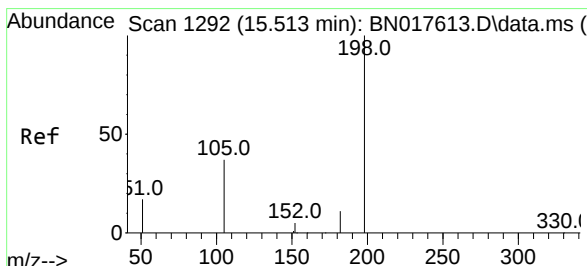
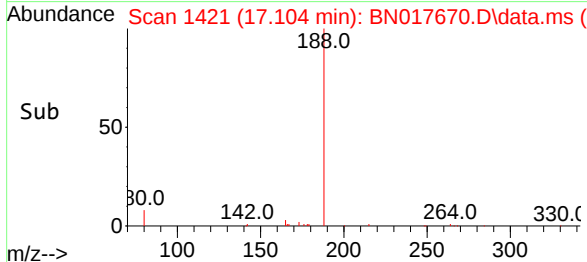
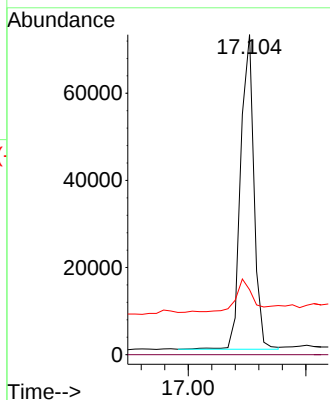
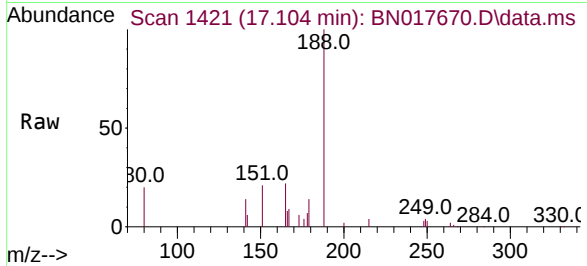




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.104 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

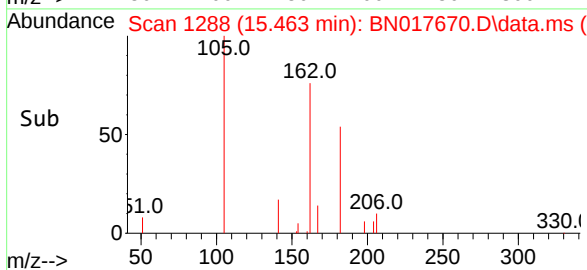
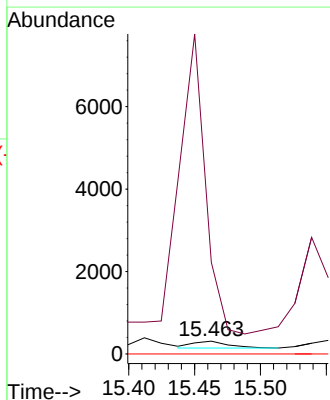
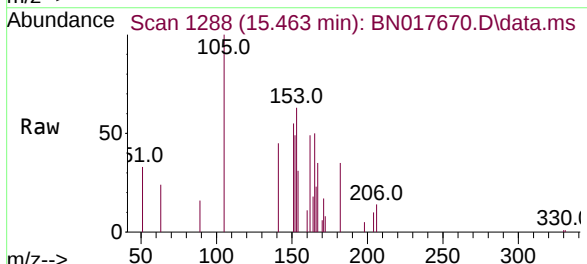
Instrument :
BNA_N
ClientSampleId :
SLAB-1

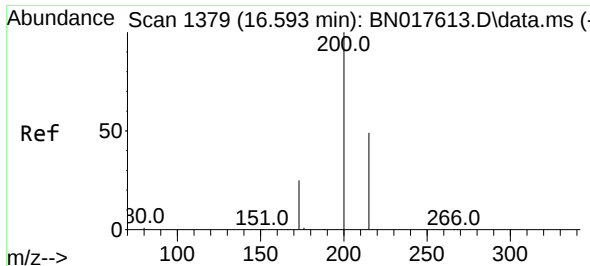
Tgt Ion:188 Resp: 113502
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 20.3 6.1 9.1#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.119 ng
RT: 15.463 min Scan# 1288
Delta R.T. -0.025 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:198 Resp: 309
Ion Ratio Lower Upper
198 100
182 713.5 11.4 17.2#
77 0.0 0.0 0.0

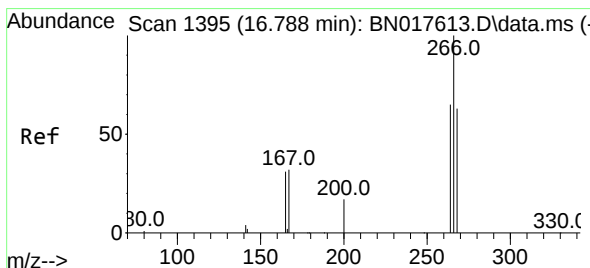
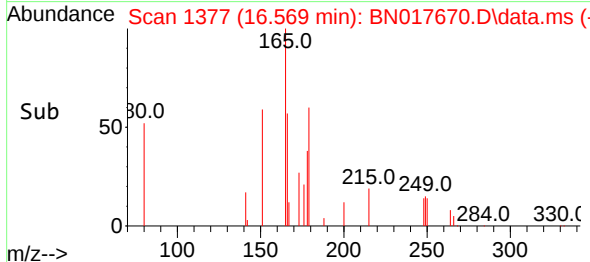
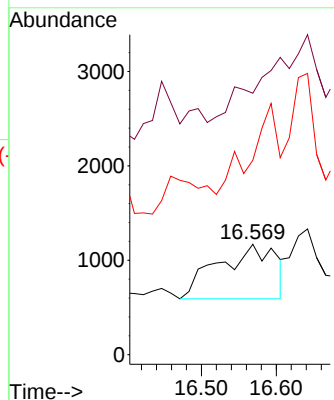
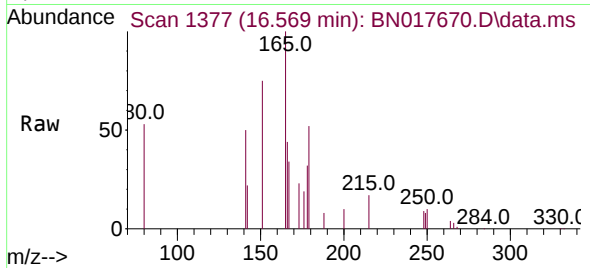




#23
 Atrazine
 Concen: 0.188 ng
 RT: 16.569 min Scan# 1377
 Delta R.T. -0.000 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

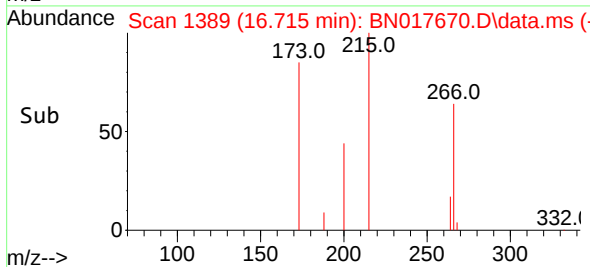
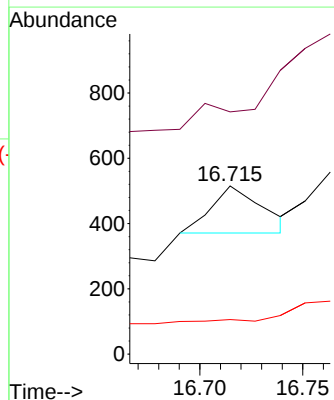
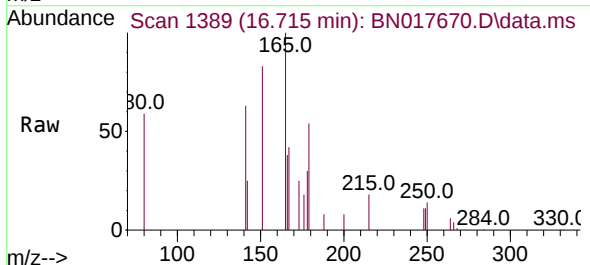
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-1

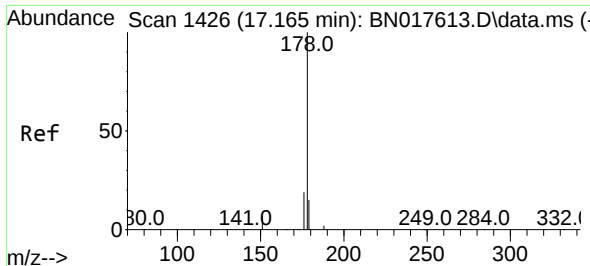
Tgt Ion:200 Resp: 3076
 Ion Ratio Lower Upper
 200 100
 173 236.8 17.6 26.4#
 215 176.0 40.2 60.4#



#24
 Pentachlorophenol
 Concen: 0.198 ng
 RT: 16.715 min Scan# 1389
 Delta R.T. -0.049 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

Tgt Ion:266 Resp: 250
 Ion Ratio Lower Upper
 266 100
 264 0.0 49.8 74.8#
 268 0.0 51.3 76.9#

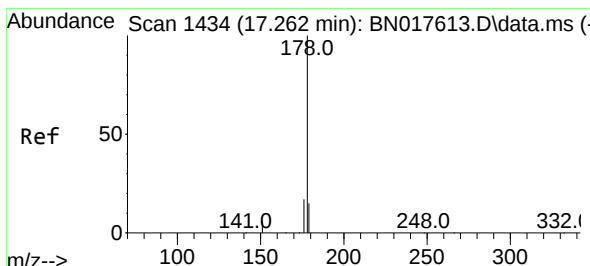
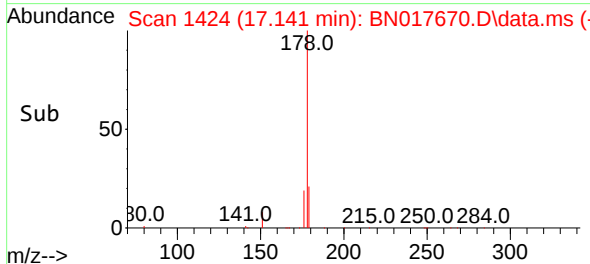
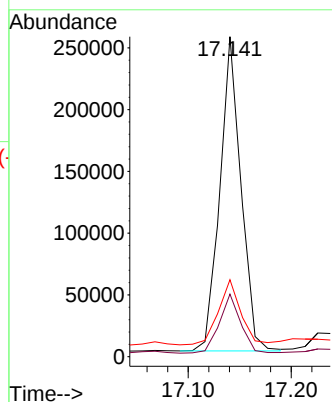
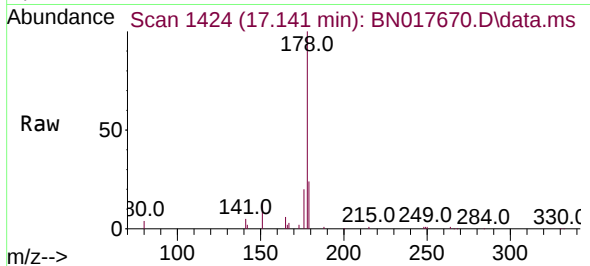




#25
Phenanthrene
Concen: 1.163 ng
RT: 17.141 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

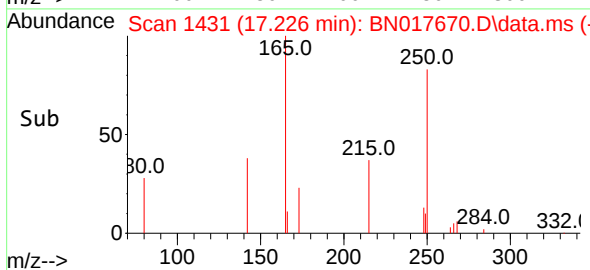
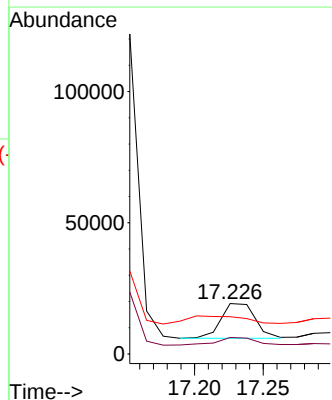
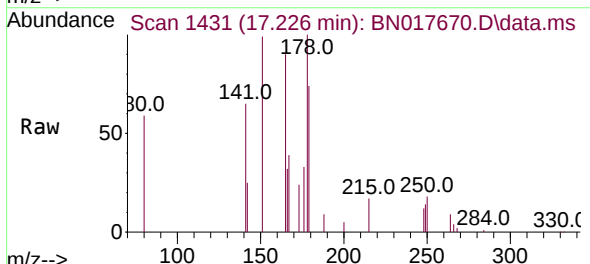
Instrument :
BNA_N
ClientSampleId :
SLAB-1

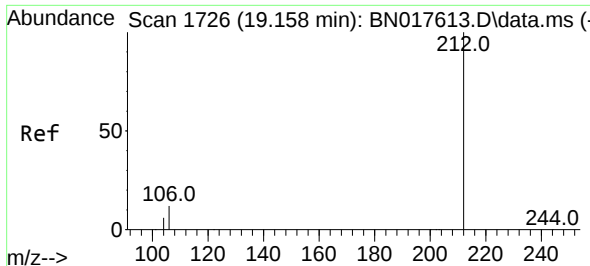
Tgt Ion:178 Resp: 362048
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 21.9 12.3 18.5#



#26
Anthracene
Concen: 0.086 ng
RT: 17.226 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:178 Resp: 22940
Ion Ratio Lower Upper
178 100
176 23.9 14.6 22.0#
179 0.0 12.2 18.4#

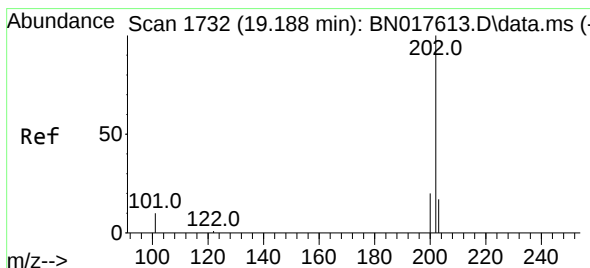
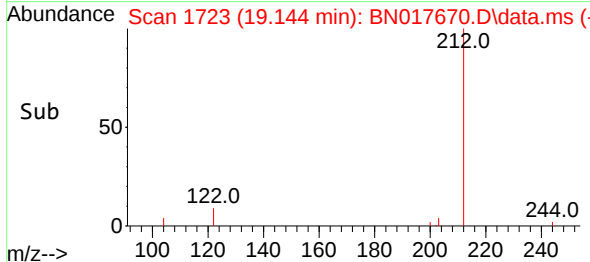
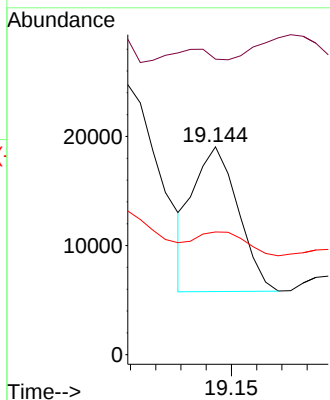
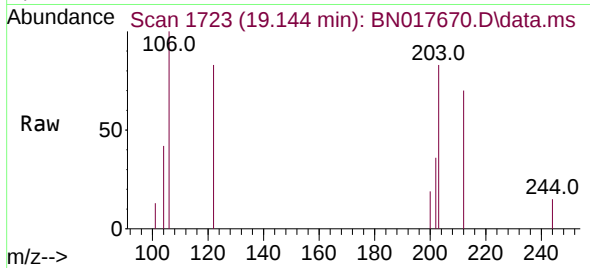




#27
Fluoranthene-d10
Concen: 0.046 ng
RT: 19.144 min Scan# 1723
Delta R.T. 0.010 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

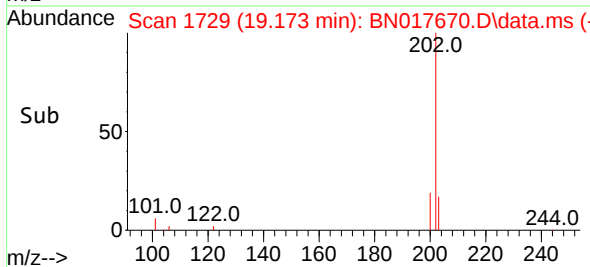
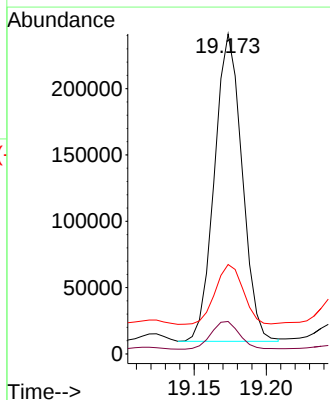
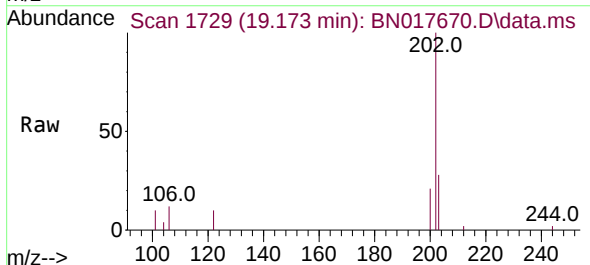
Instrument :
BNA_N
ClientSampleId :
SLAB-1

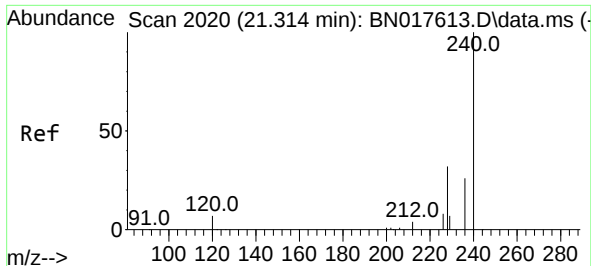
Tgt Ion:212 Resp: 16404
Ion Ratio Lower Upper
212 100
106 26.1 10.5 15.7#
104 18.8 5.8 8.6#



#28
Fluoranthene
Concen: 0.877 ng
RT: 19.173 min Scan# 1729
Delta R.T. 0.010 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:202 Resp: 308791
Ion Ratio Lower Upper
202 100
101 9.3 8.9 13.3
203 19.5 13.8 20.6

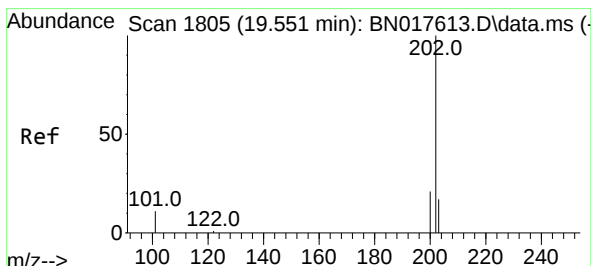
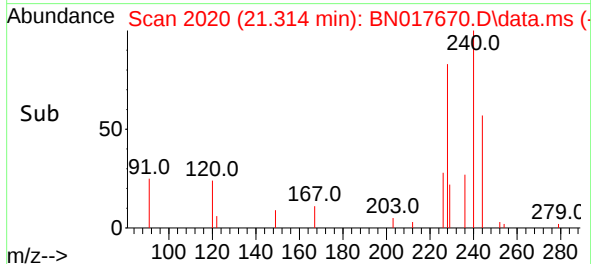
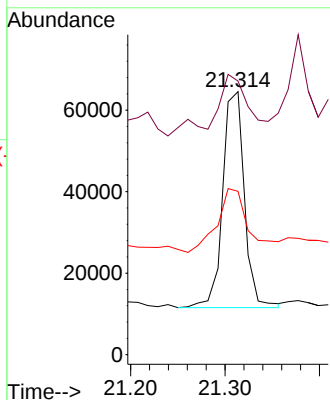
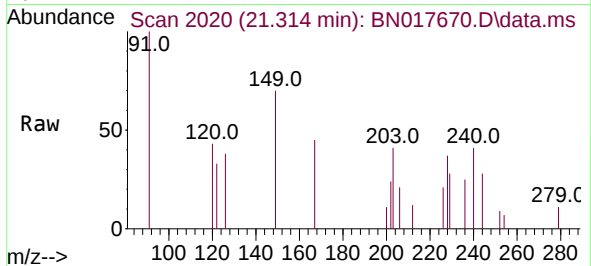




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.314 min Scan# 20
Delta R.T. 0.032 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

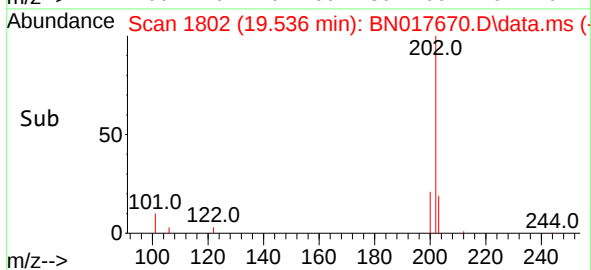
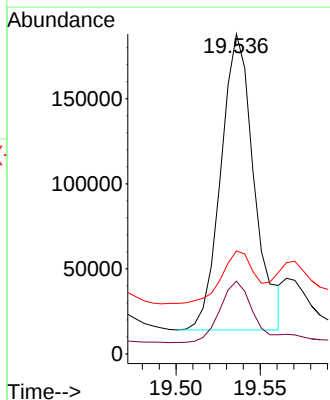
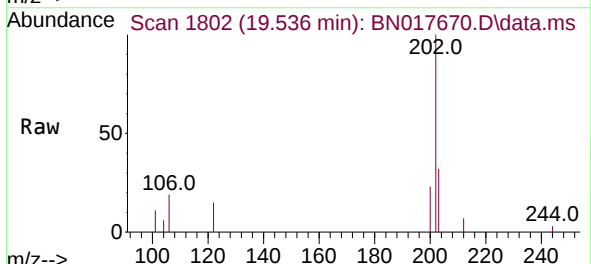
Instrument :
BNA_N
ClientSampleId :
SLAB-1

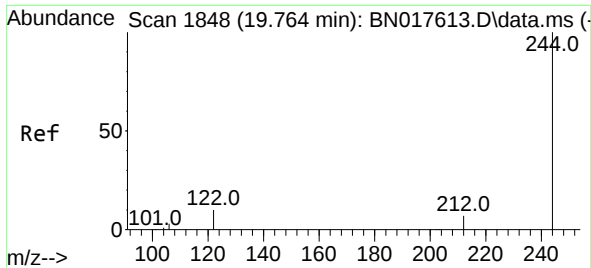
Tgt Ion:240 Resp: 84623
Ion Ratio Lower Upper
240 100
120 104.0 4.2 6.2#
236 62.1 20.0 30.0#



#30
Pyrene
Concen: 0.878 ng
RT: 19.536 min Scan# 1802
Delta R.T. 0.010 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:202 Resp: 239791
Ion Ratio Lower Upper
202 100
200 23.1 16.5 24.7
203 17.2 14.0 21.0

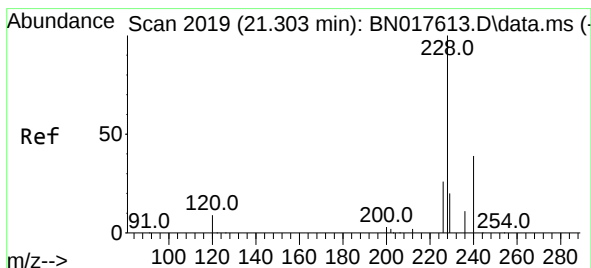
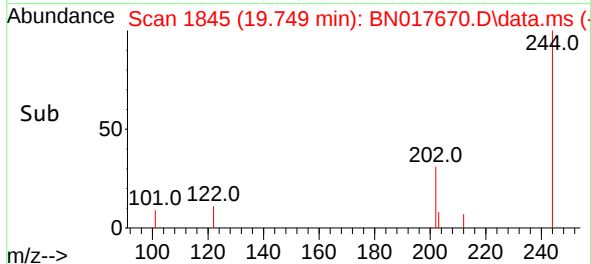
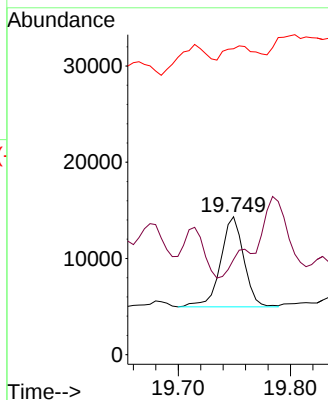
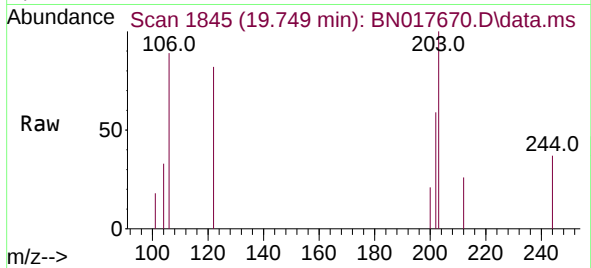




#31
 Terphenyl-d14
 Concen: 0.073 ng
 RT: 19.749 min Scan# 11
 Delta R.T. 0.010 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

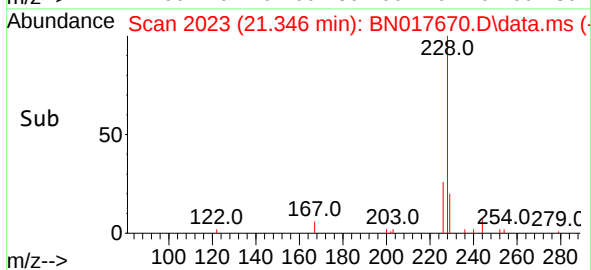
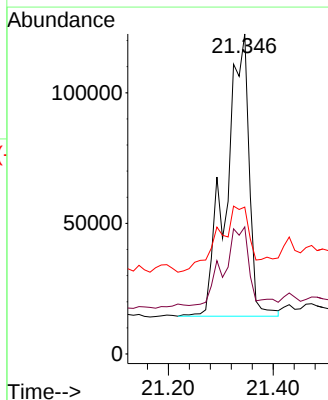
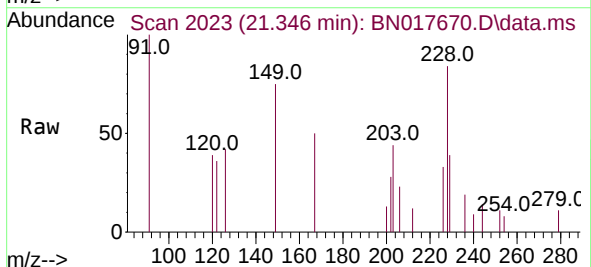
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-1

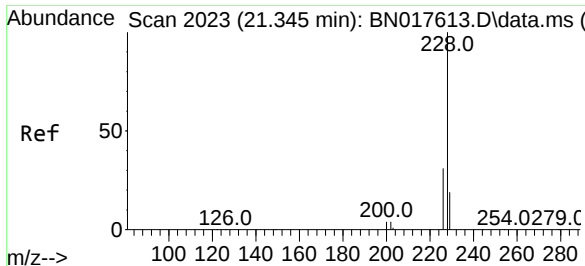
Tgt Ion:244 Resp: 13461
 Ion Ratio Lower Upper
 244 100
 212 69.1 5.7 8.5#
 122 221.8 8.6 13.0#



#32
 Benzo(a)anthracene
 Concen: 1.270 ng
 RT: 21.346 min Scan# 2023
 Delta R.T. 0.074 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

Tgt Ion:228 Resp: 326352
 Ion Ratio Lower Upper
 228 100
 226 39.7 21.3 31.9#
 229 45.9 15.7 23.5#

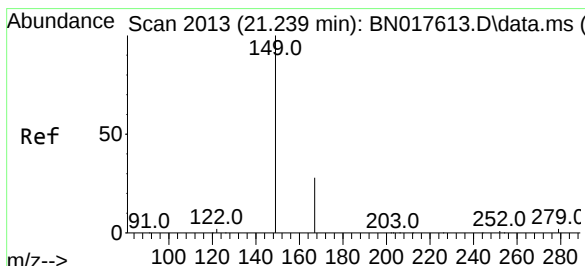
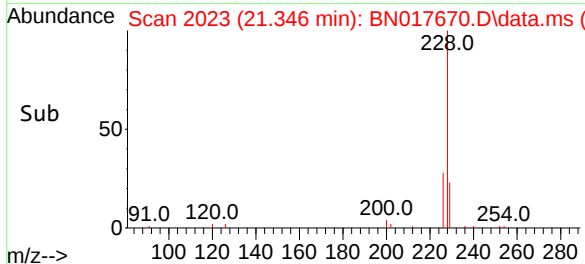
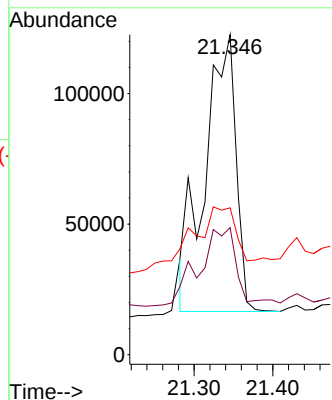
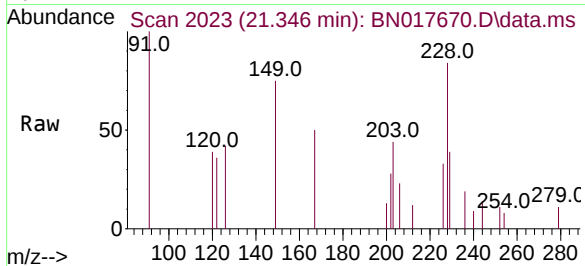




#33
Chrysene
Concen: 1.048 ng
RT: 21.346 min Scan# 2023
Delta R.T. 0.021 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

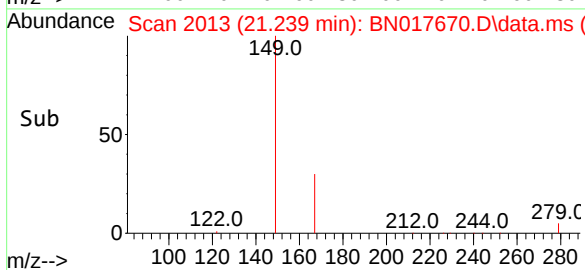
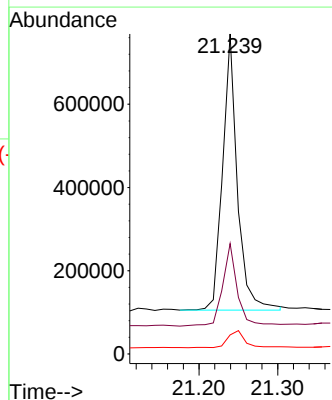
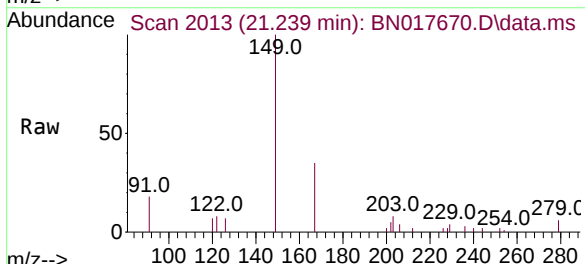
Instrument :
BNA_N
ClientSampleId :
SLAB-1

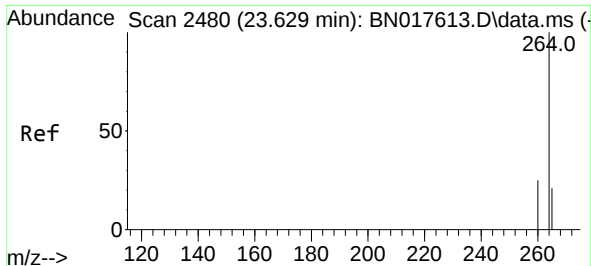
Tgt Ion:228 Resp: 293025
Ion Ratio Lower Upper
228 100
226 39.7 23.3 34.9#
229 45.9 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 14.123 ng
RT: 21.239 min Scan# 2013
Delta R.T. 0.021 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:149 Resp: 861062
Ion Ratio Lower Upper
149 100
167 30.1 21.8 32.6
279 7.1 3.4 5.0#

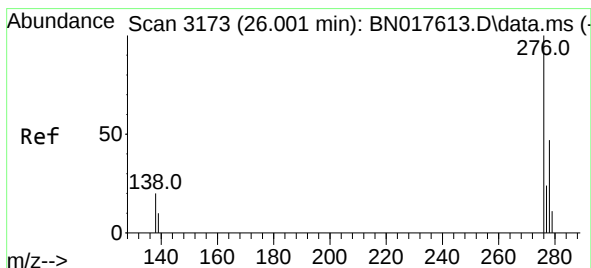
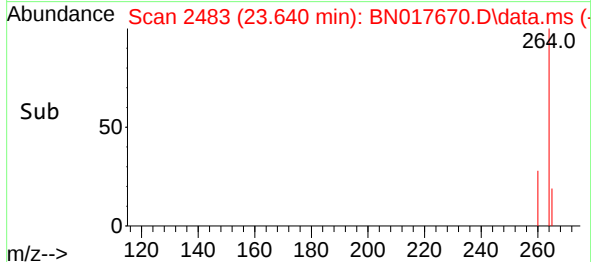
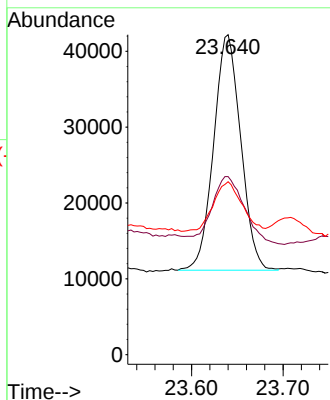
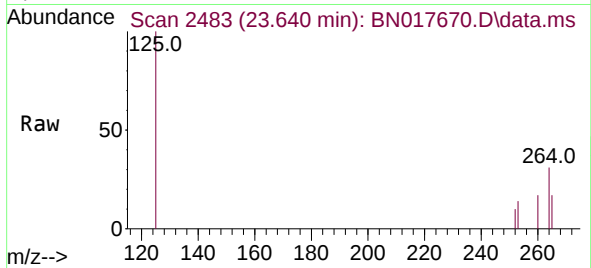




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.640 min Scan# 2483
 Delta R.T. 0.058 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

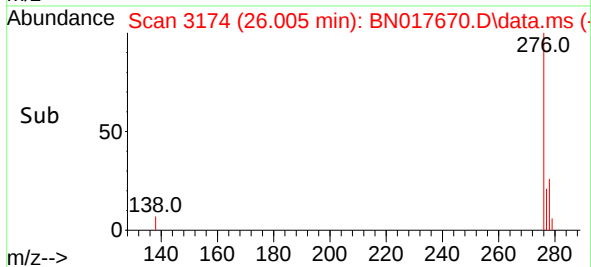
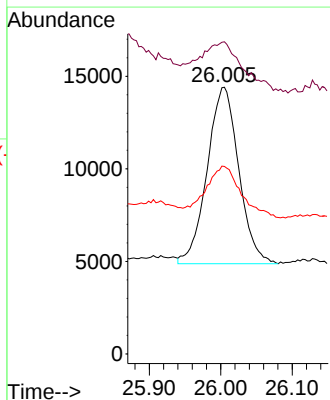
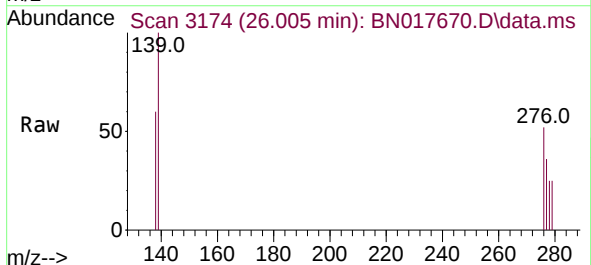
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-1

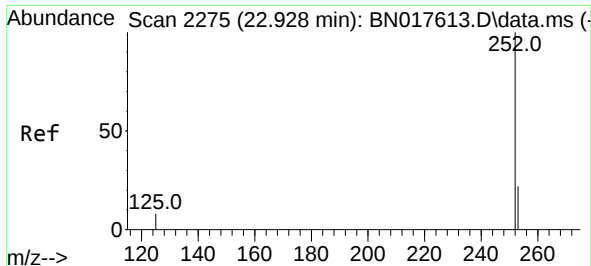
Tgt Ion:264 Resp: 63800
 Ion Ratio Lower Upper
 264 100
 260 55.7 19.4 29.2#
 265 54.0 18.6 28.0#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.142 ng
 RT: 26.005 min Scan# 3174
 Delta R.T. 0.065 min
 Lab File: BN017670.D
 Acq: 02 Dec 2021 04:39

Tgt Ion:276 Resp: 29340
 Ion Ratio Lower Upper
 276 100
 138 0.0 19.7 29.5#
 277 32.1 20.0 30.0#

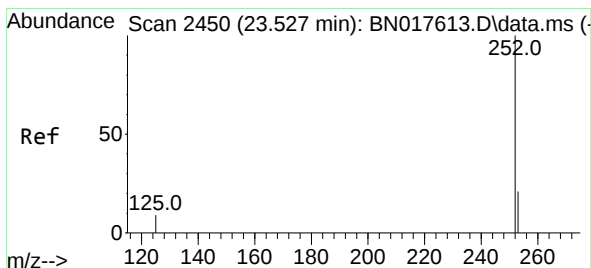
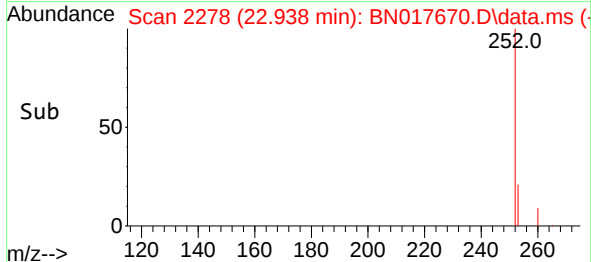
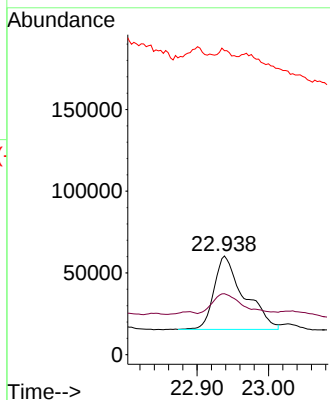
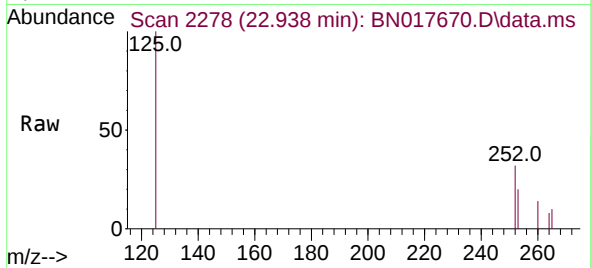




#37
Benzo(b)fluoranthene
Concen: 0.618 ng
RT: 22.938 min Scan# 21
Delta R.T. 0.051 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

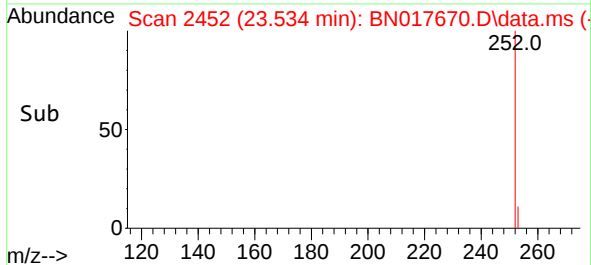
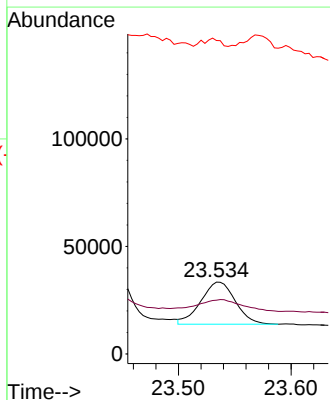
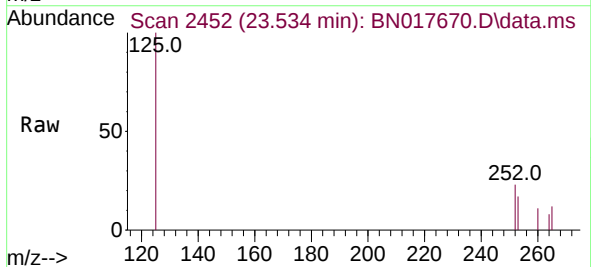
Instrument :
BNA_N
ClientSampleId :
SLAB-1

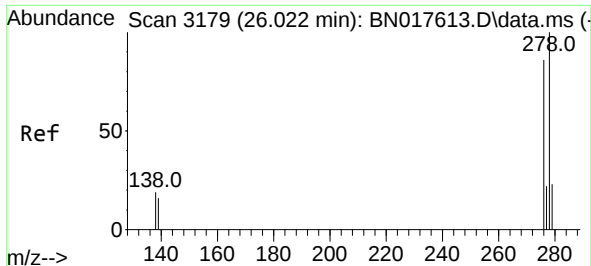
Tgt Ion:252 Resp: 130828
Ion Ratio Lower Upper
252 100
253 61.8 17.7 26.5#
125 308.1 7.8 11.8#



#39
Benzo(a)pyrene
Concen: 0.219 ng
RT: 23.534 min Scan# 2452
Delta R.T. 0.055 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:252 Resp: 41514
Ion Ratio Lower Upper
252 100
253 74.7 17.9 26.9#
125 435.8 9.2 13.8#

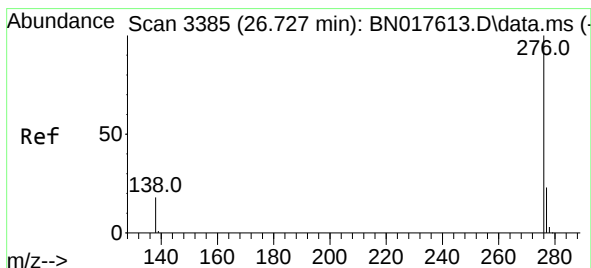
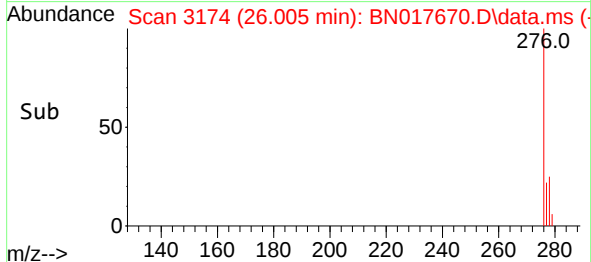
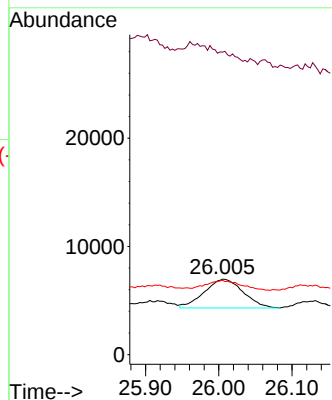
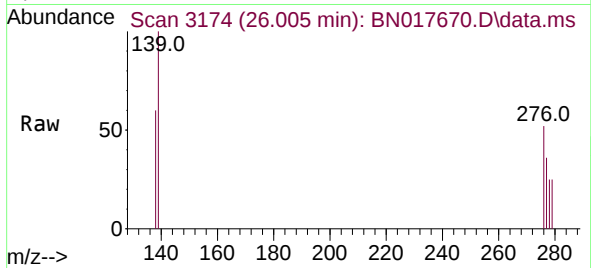




#40
Dibenzo(a,h)anthracene
Concen: 0.057 ng
RT: 26.005 min Scan# 3179
Delta R.T. 0.051 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Instrument :
BNA_N
ClientSampleId :
SLAB-1

Tgt Ion:278 Resp: 9734
Ion Ratio Lower Upper
278 100
139 400.9 13.0 19.6#
279 98.6 19.2 28.8#



#41
Benzo(g,h,i)perylene
Concen: 0.160 ng
RT: 26.727 min Scan# 3385
Delta R.T. 0.072 min
Lab File: BN017670.D
Acq: 02 Dec 2021 04:39

Tgt Ion:276 Resp: 27878
Ion Ratio Lower Upper
276 100
277 68.5 19.0 28.4#
138 95.6 17.1 25.7#

