

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120121\
 Data File : BN017676.D
 Acq On : 02 Dec 2021 08:15
 Operator : CG/JU
 Sample : M4895-08 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLAB-8

Quant Time: Dec 02 08:44:45 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)

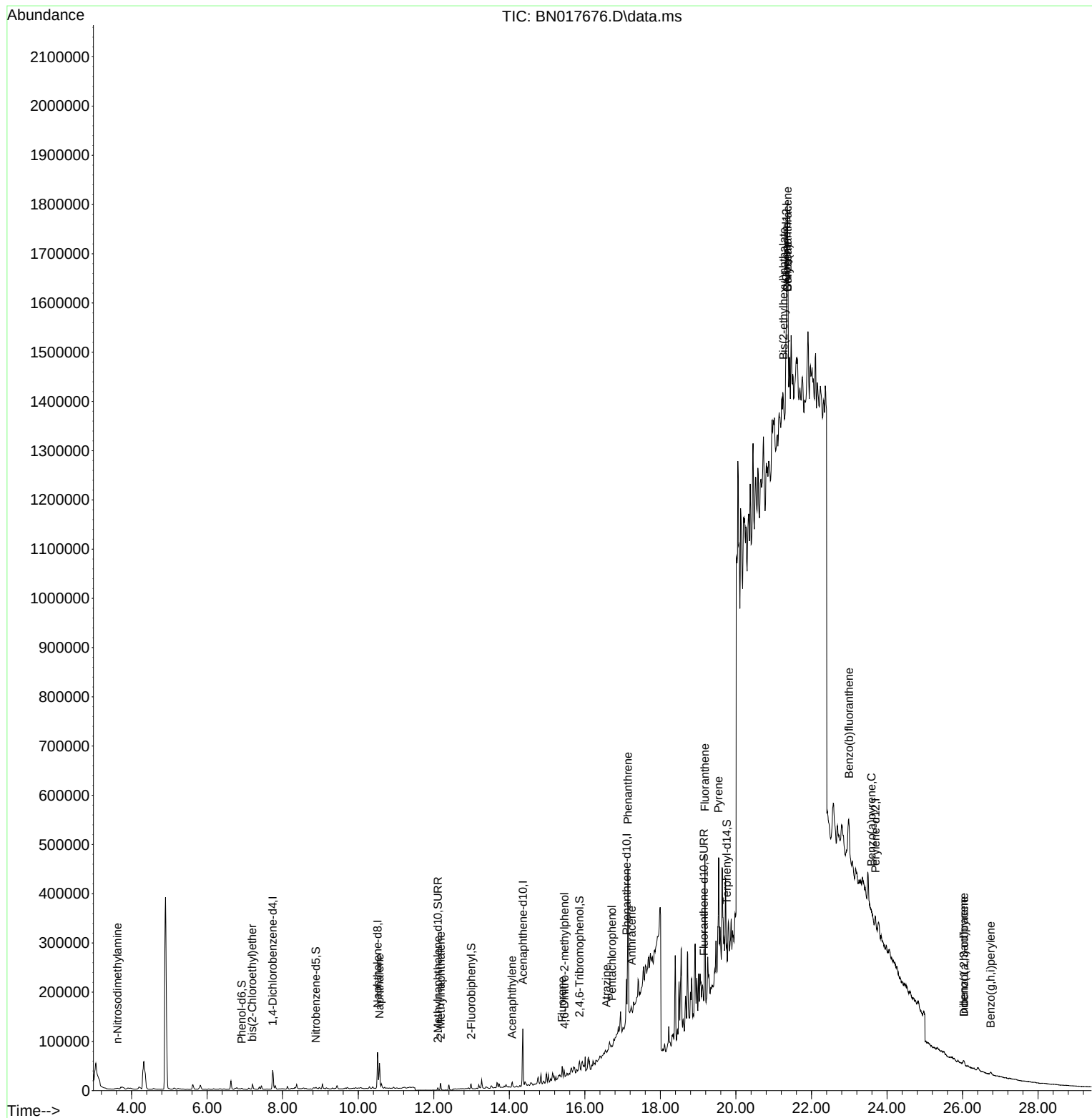
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.736	152	21637	0.400	ng	0.00
7) Naphthalene-d8	10.510	136	98396	0.400	ng	# 0.00
13) Acenaphthene-d10	14.359	164	68888	0.400	ng	0.00
19) Phenanthrene-d10	17.104	188	130745	0.400	ng	# 0.00
29) Chrysene-d12	21.335	240	58501	0.400	ng	# 0.05
35) Perylene-d12	23.695	264	36117	0.400	ng	# 0.11
System Monitoring Compounds						
4) 2-Fluorophenol	5.357	112	331	0.007	ng	0.00
5) Phenol-d6	6.915	99	1258	0.024	ng	0.00
8) Nitrobenzene-d5	8.875	82	2540	0.061	ng	0.00
11) 2-Methylnaphthalene-d10	12.107	152	6922	0.040	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	65	0.126	ng	0.01
15) 2-Fluorobiphenyl	12.989	172	10021	0.037	ng	0.00
27) Fluoranthene-d10	19.149	212	13102	0.032	ng	0.02
31) Terphenyl-d14	19.759	244	15219	0.119	ng	0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.624	42	729	0.036	ng	# 1
6) bis(2-Chloroethyl)ether	7.192	93	1492	0.025	ng	# 27
9) Naphthalene	10.560	128	69665	0.281	ng	# 99
12) 2-Methylnaphthalene	12.182	142	10297	0.063	ng	# 96
16) Acenaphthylene	14.067	152	9139	0.034	ng	# 78
18) Fluorene	15.399	166	7616	0.034	ng	# 72
20) 4,6-Dinitro-2-methylph...	15.463	198	419	0.130	ng	# 1
23) Atrazine	16.569	200	3705	0.190	ng	# 1
24) Pentachlorophenol	16.715	266	259	0.198	ng	# 19
25) Phenanthrene	17.141	178	293736	0.819	ng	# 90
26) Anthracene	17.238	178	15865	0.051	ng	# 71
28) Fluoranthene	19.179	202	269342	0.664	ng	# 93
30) Pyrene	19.541	202	230487	1.220	ng	# 97
32) Benzo(a)anthracene	21.367	228	746581	4.202	ng	# 61
33) Chrysene	21.367	228	686818	3.553	ng	# 65
34) Bis(2-ethylhexyl)phtha...	21.261	149	46992	1.115	ng	# 1
36) Indeno(1,2,3-cd)pyrene	26.036	276	11539	0.098	ng	# 67
37) Benzo(b)fluoranthene	22.993	252	120801	1.009	ng	# 1
39) Benzo(a)pyrene	23.589	252	27244	0.254	ng	# 1
40) Dibenzo(a,h)anthracene	26.036	278	10999	0.115	ng	# 1
41) Benzo(g,h,i)perylene	26.748	276	11805	0.120	ng	# 1

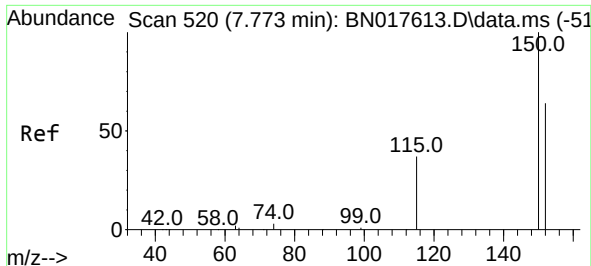
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SLAB-8

Quant Time: Dec 02 08:44:45 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

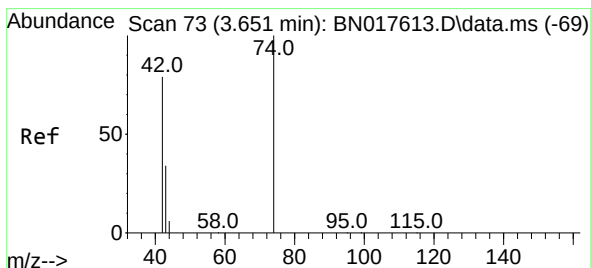
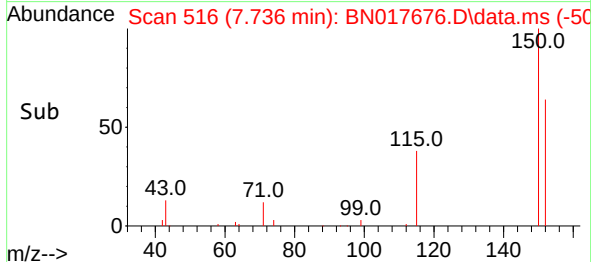
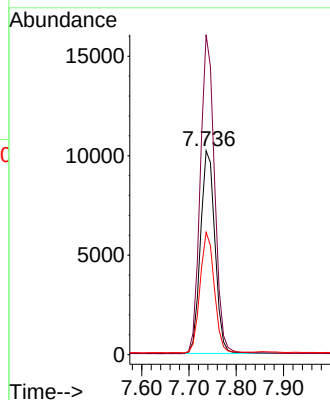
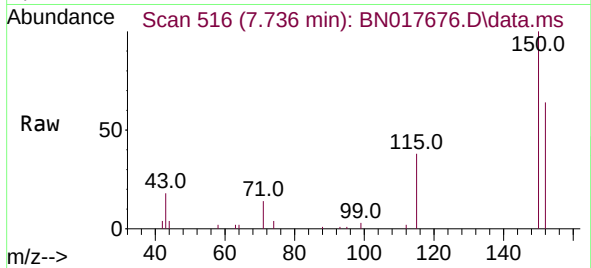




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.736 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

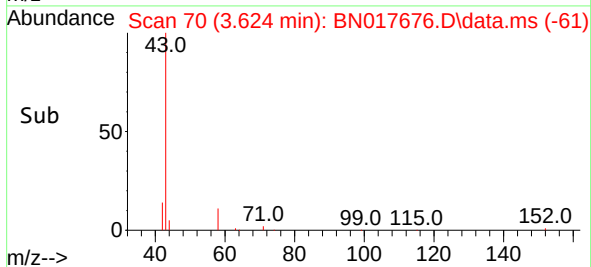
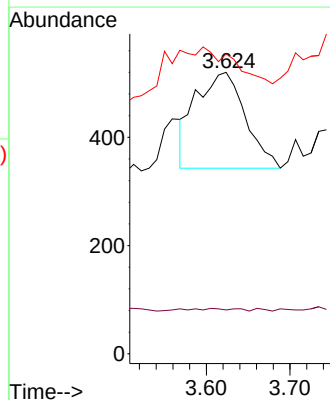
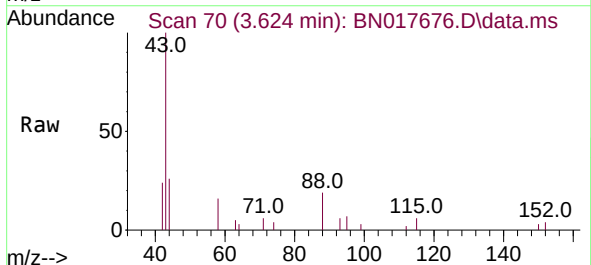
Instrument :
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SLAB-8

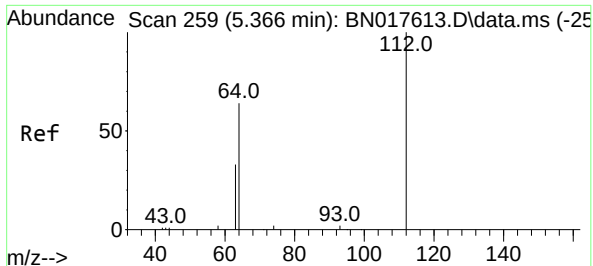
Tgt Ion:152 Resp: 21637
Ion Ratio Lower Upper
152 100
150 157.0 123.0 184.4
115 60.1 45.6 68.4



#3
n-Nitrosodimethylamine
Concen: 0.036 ng
RT: 3.624 min Scan# 70
Delta R.T. -0.018 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion: 42 Resp: 729
Ion Ratio Lower Upper
42 100
74 0.4 97.8 146.6#
44 0.0 5.5 8.3#

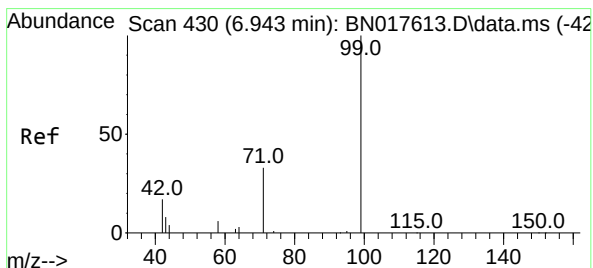
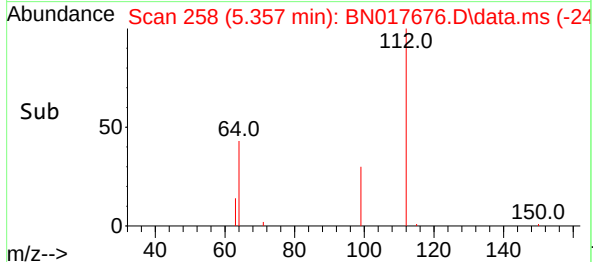
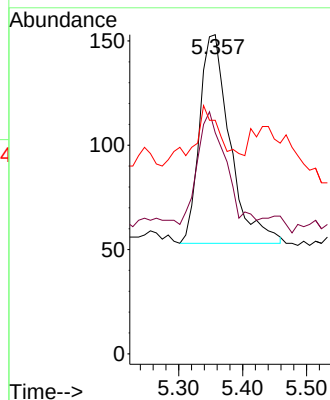
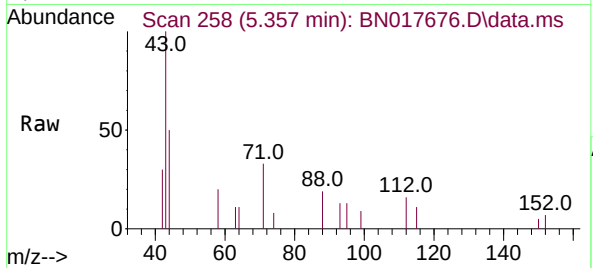




#4
2-Fluorophenol
Concen: 0.007 ng
RT: 5.357 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

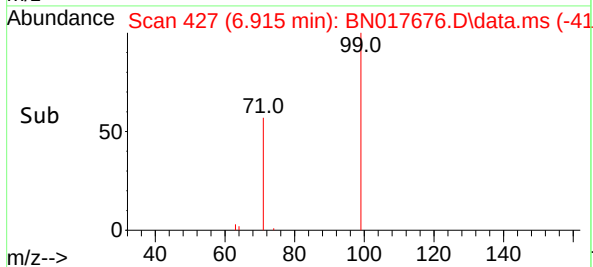
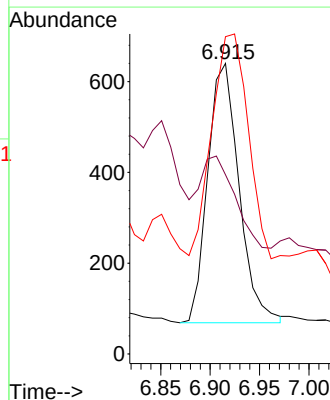
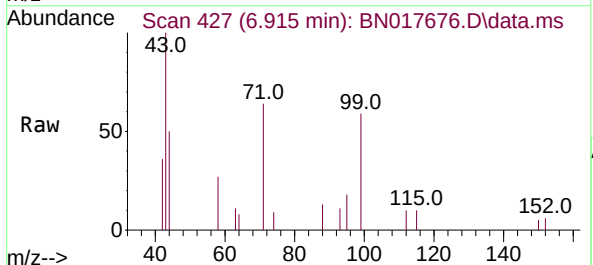
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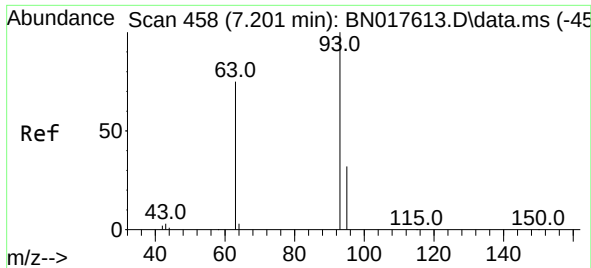
Tgt Ion:112 Resp: 331
Ion Ratio Lower Upper
112 100
64 50.2 47.6 71.4
63 16.0 24.6 37.0#



#5
Phenol-d6
Concen: 0.024 ng
RT: 6.915 min Scan# 427
Delta R.T. 0.009 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion: 99 Resp: 1258
Ion Ratio Lower Upper
99 100
42 39.7 17.0 25.6#
71 99.9 24.8 37.2#

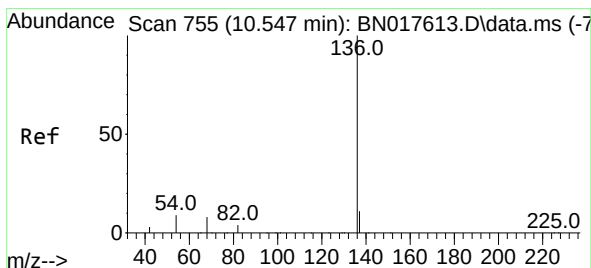
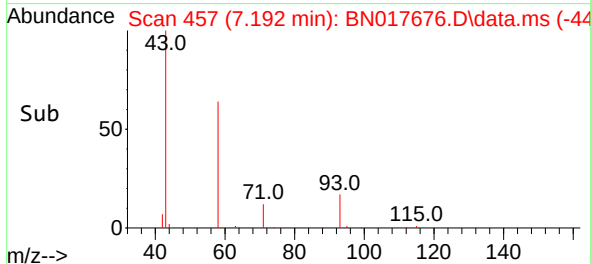
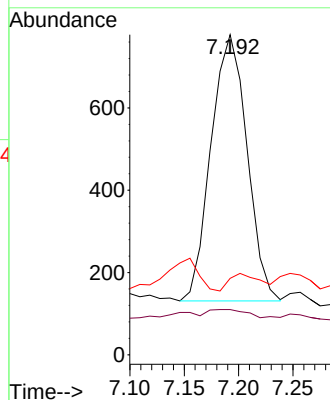
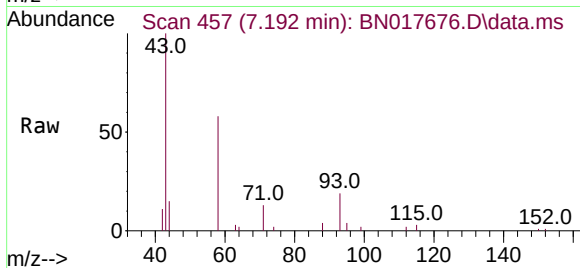




#6
bis(2-Chloroethyl)ether
Concen: 0.025 ng
RT: 7.192 min Scan# 41
Delta R.T. 0.028 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

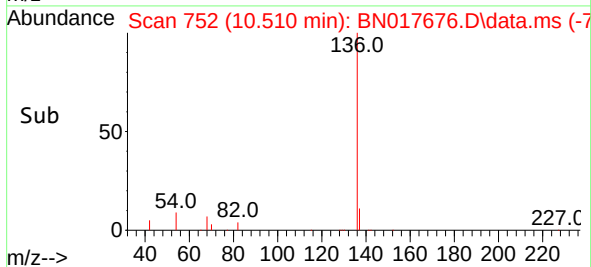
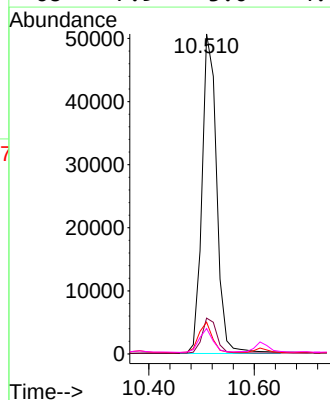
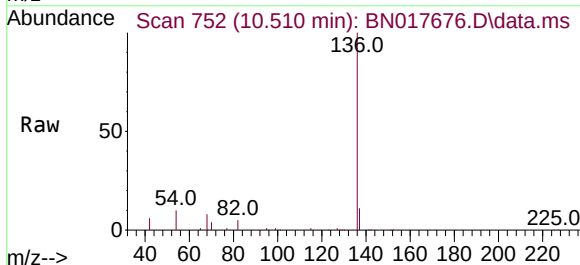
Instrument :
BNA_N
ClientSampleId :
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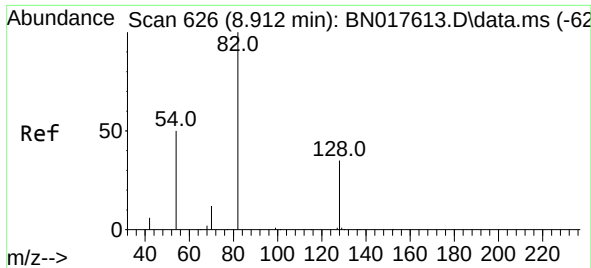
Tgt Ion: 93 Resp: 1492
Ion Ratio Lower Upper
93 100
63 7.9 65.8 98.6#
95 5.8 26.6 39.8#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion: 136 Resp: 98396
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.9 4.0 6.0#
68 7.9 3.0 4.6#

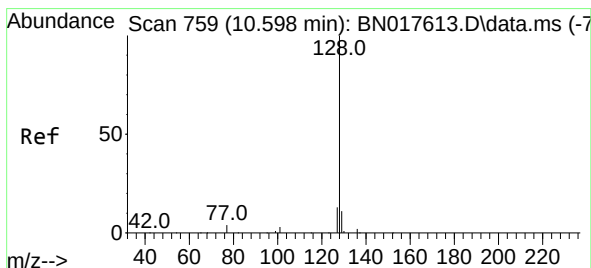
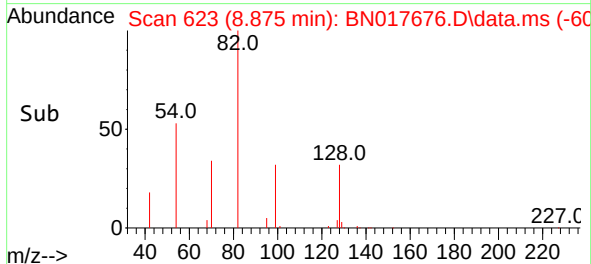
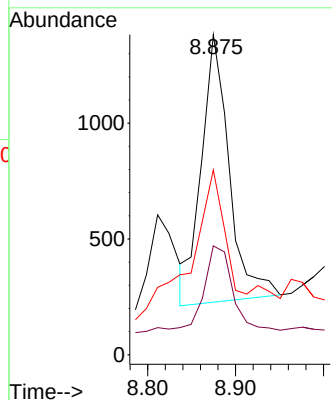
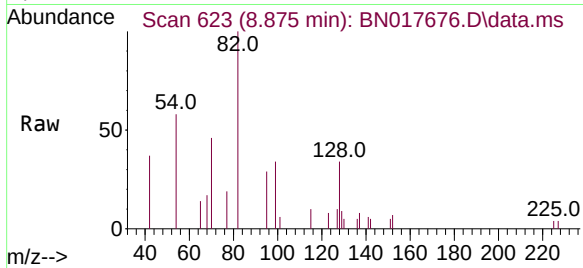




#8
Nitrobenzene-d5
Concen: 0.061 ng
RT: 8.875 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

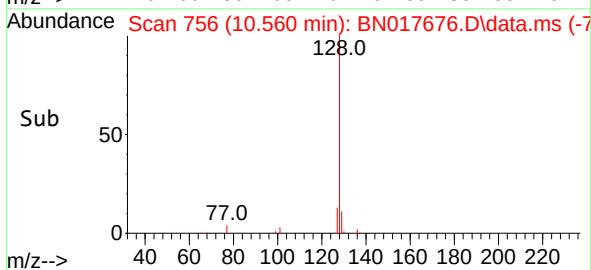
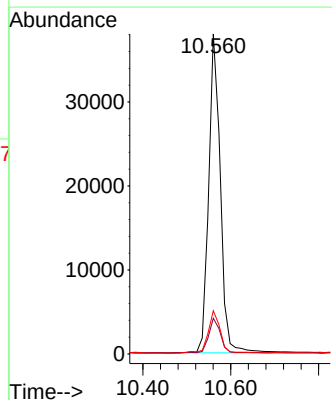
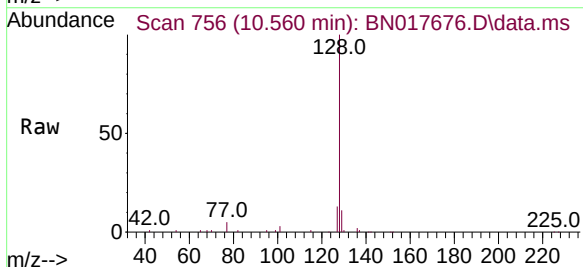
Instrument :
BNA_N
ClientSampleId :
SLAB-8

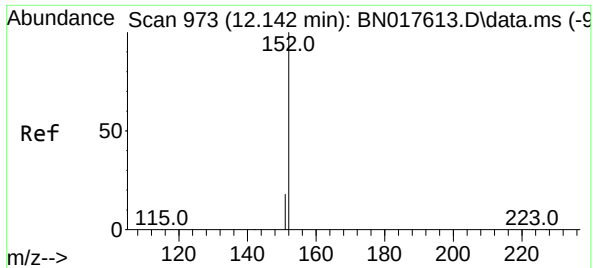
Tgt Ion: 82 Resp: 2540
Ion Ratio Lower Upper
82 100
128 34.0 27.7 41.5
54 57.7 49.2 73.8



#9
Naphthalene
Concen: 0.281 ng
RT: 10.560 min Scan# 756
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion: 128 Resp: 69665
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.5 10.6 15.8

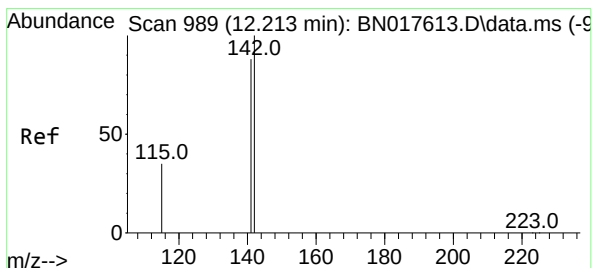
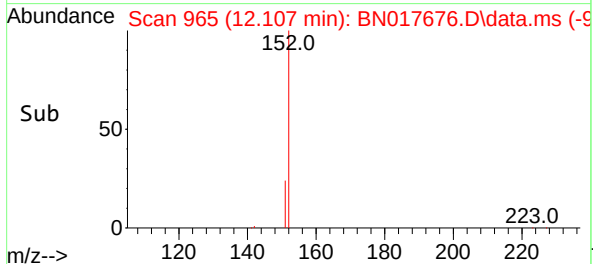
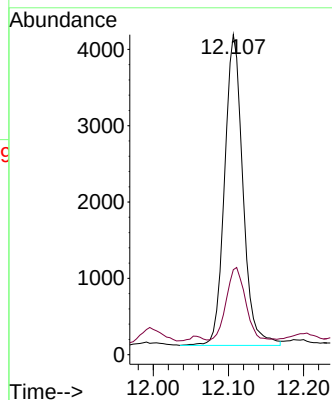
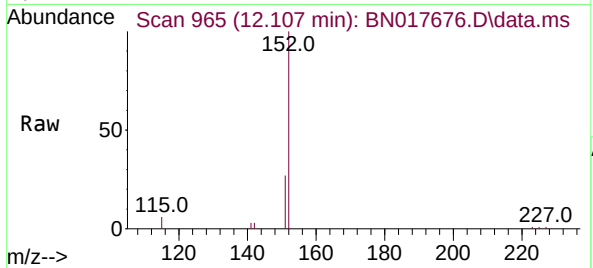




#11
2-Methylnaphthalene-d10
Concen: 0.040 ng
RT: 12.107 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

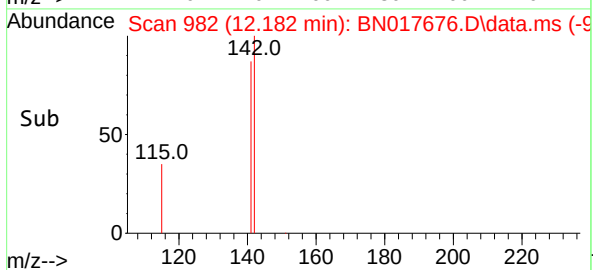
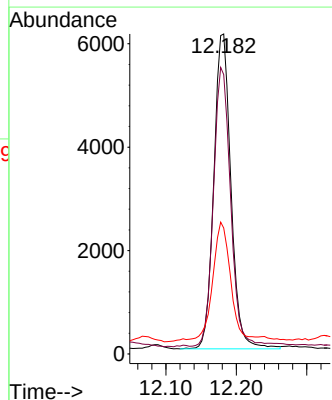
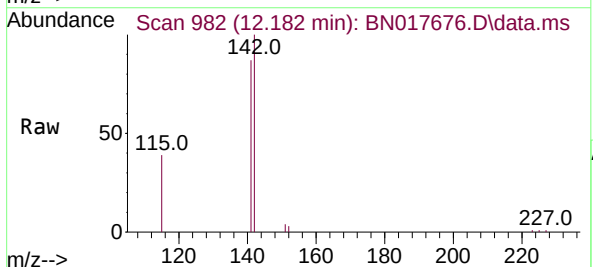
Instrument :
BNA_N
ClientSampleId :
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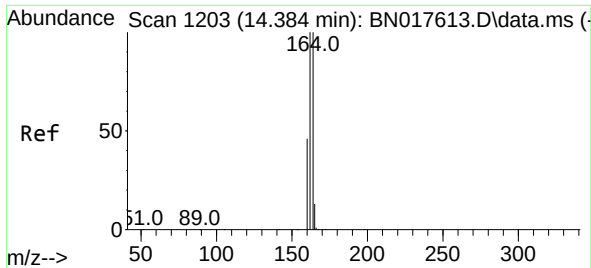
Tgt Ion:152 Resp: 6922
Ion Ratio Lower Upper
152 100
151 26.0 16.2 24.4#



#12
2-Methylnaphthalene
Concen: 0.063 ng
RT: 12.182 min Scan# 982
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:142 Resp: 10297
Ion Ratio Lower Upper
142 100
141 87.3 70.6 106.0
115 39.4 25.8 38.6#

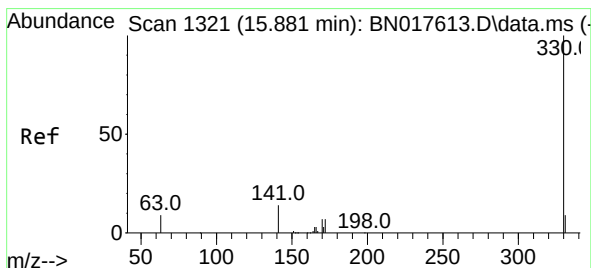
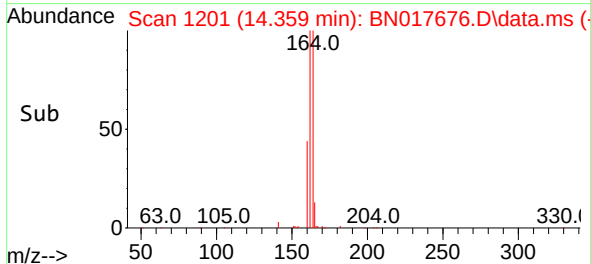
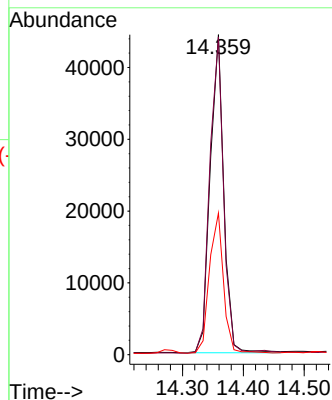
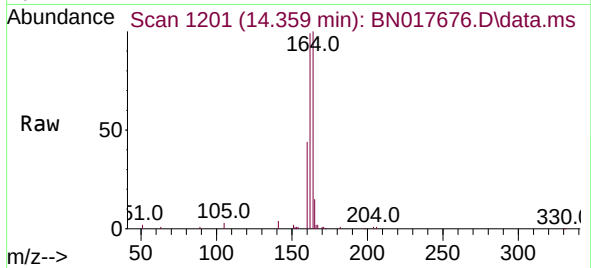




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.359 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

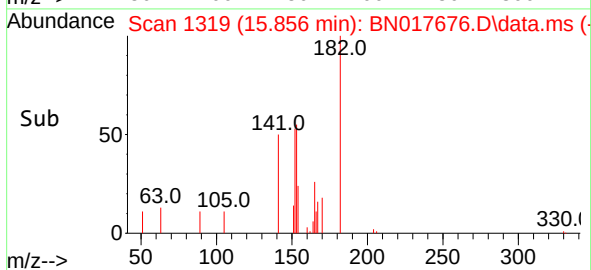
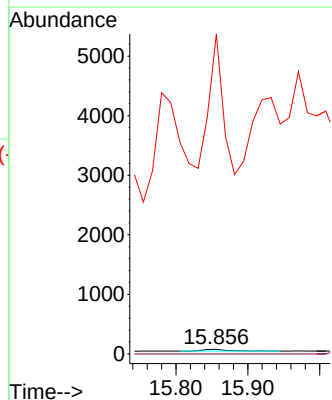
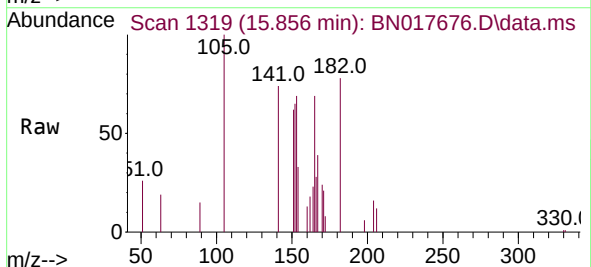
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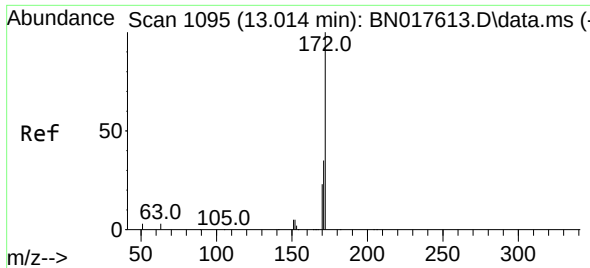
Tgt Ion:164 Resp: 68888
Ion Ratio Lower Upper
164 100
162 99.3 81.4 122.2
160 44.2 36.8 55.2



#14
2,4,6-Tribromophenol
Concen: 0.126 ng
RT: 15.856 min Scan# 1319
Delta R.T. 0.013 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:330 Resp: 65
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 4640.0 28.9 43.3#

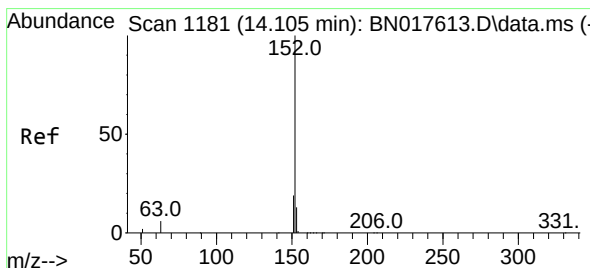
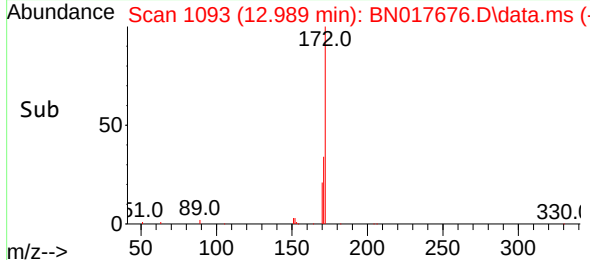
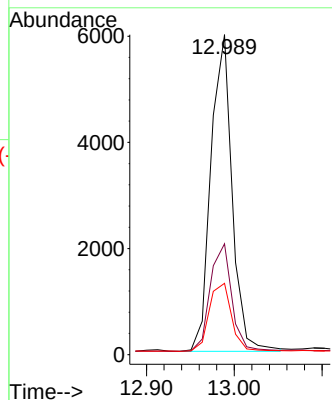
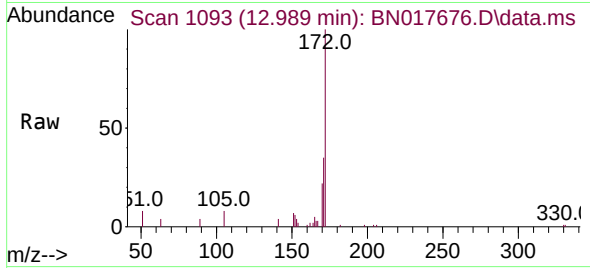




#15
2-Fluorobiphenyl
Concen: 0.037 ng
RT: 12.989 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

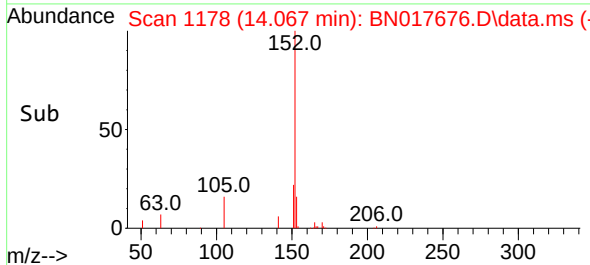
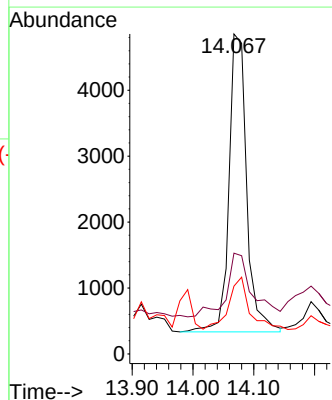
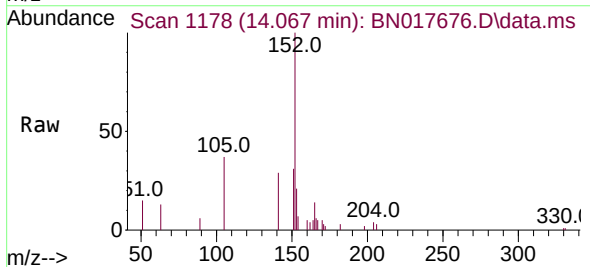
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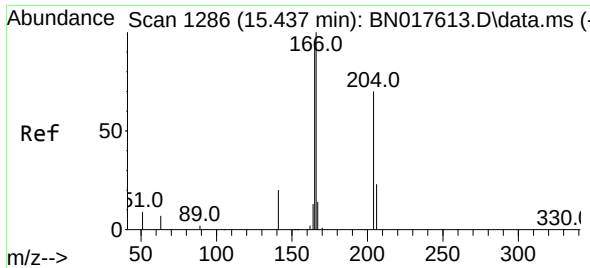
Tgt Ion:172 Resp: 10021
Ion Ratio Lower Upper
172 100
171 34.6 28.7 43.1
170 22.3 19.4 29.2



#16
Acenaphthylene
Concen: 0.034 ng
RT: 14.067 min Scan# 1178
Delta R.T. -0.013 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:152 Resp: 9139
Ion Ratio Lower Upper
152 100
151 30.5 15.5 23.3#
153 20.6 10.4 15.6#

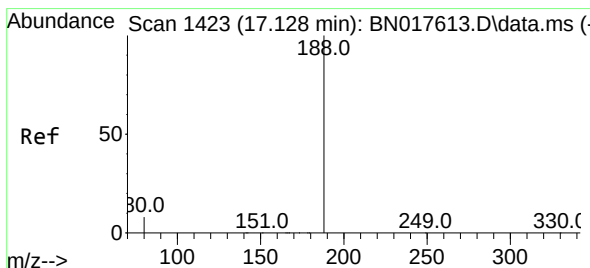
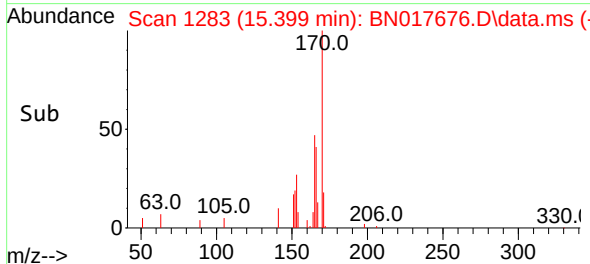
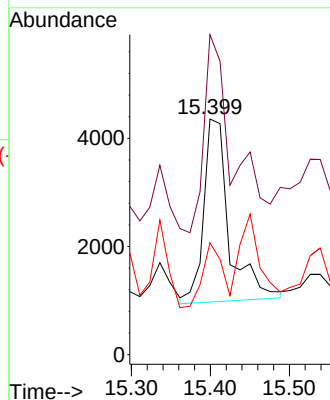
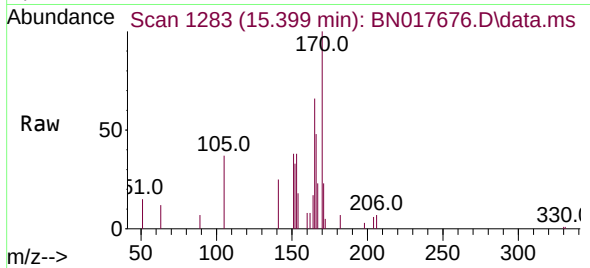




#18
 Fluorene
 Concen: 0.034 ng
 RT: 15.399 min Scan# 1283
 Delta R.T. -0.013 min
 Lab File: BN017676.D
 Acq: 02 Dec 2021 08:15

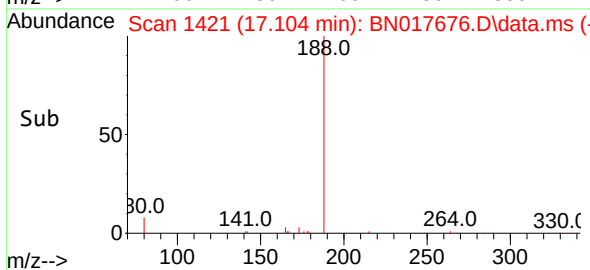
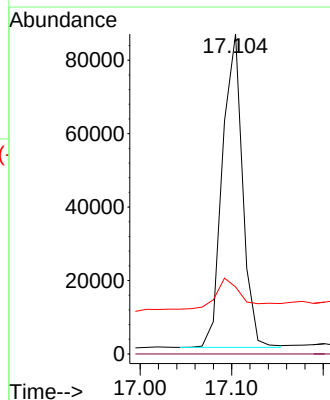
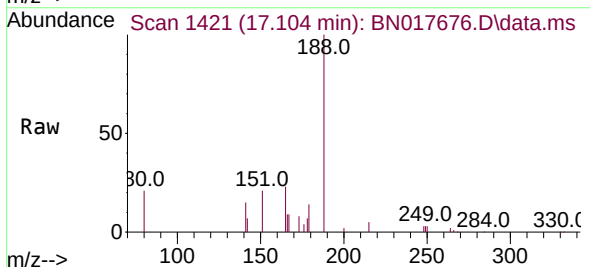
Instrument :
 BNA_N
 ClientSampleId :
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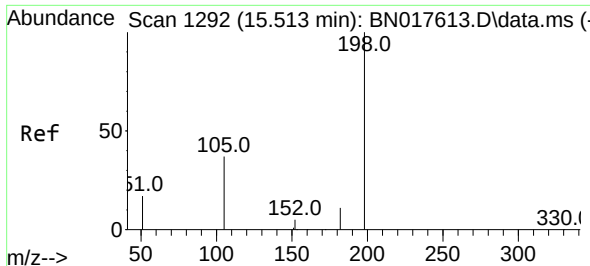
Tgt Ion:166 Resp: 7616
 Ion Ratio Lower Upper
 166 100
 165 123.8 77.9 116.9#
 167 27.6 10.9 16.3#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.104 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: BN017676.D
 Acq: 02 Dec 2021 08:15

Tgt Ion:188 Resp: 130745
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 20.9 6.1 9.1#

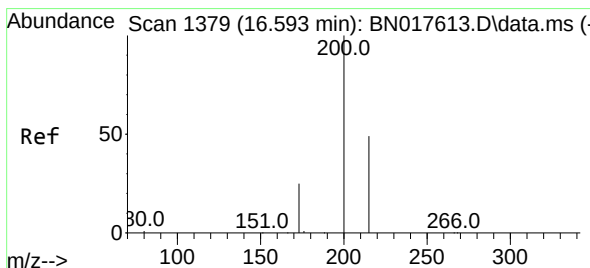
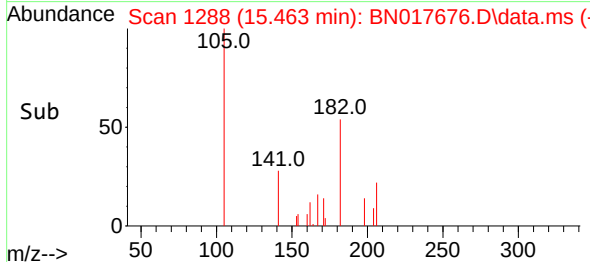
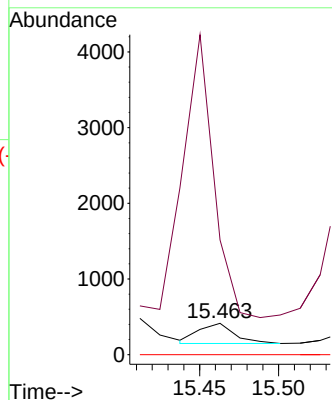
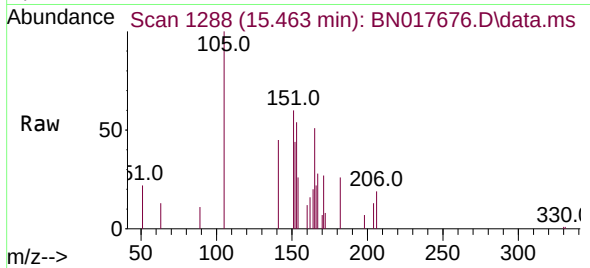




#20
4,6-Dinitro-2-methylphenol
Concen: 0.130 ng
RT: 15.463 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

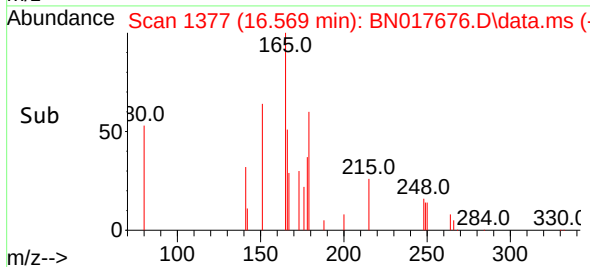
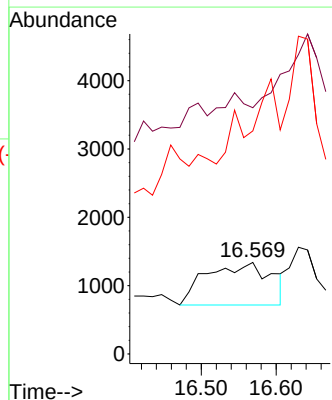
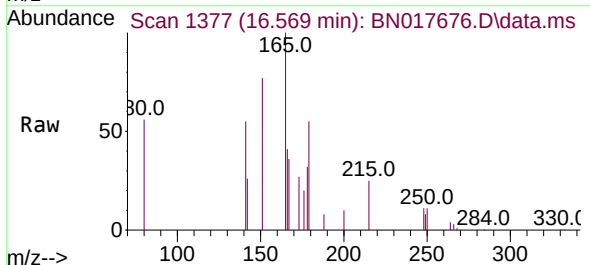
Instrument :
BNA_N
ClientSampleId :
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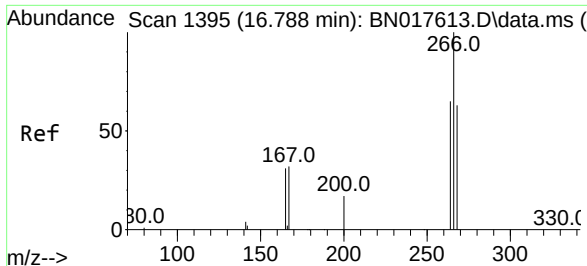
Tgt Ion:198 Resp: 419
Ion Ratio Lower Upper
198 100
182 365.1 11.4 17.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.190 ng
RT: 16.569 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:200 Resp: 3705
Ion Ratio Lower Upper
200 100
173 268.9 17.6 26.4#
215 243.6 40.2 60.4#

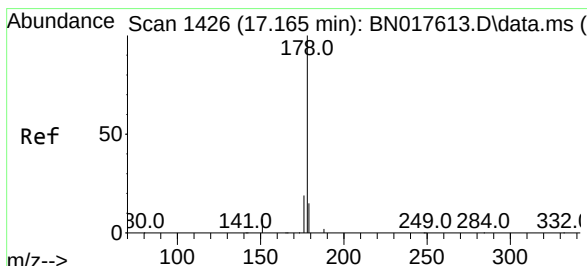
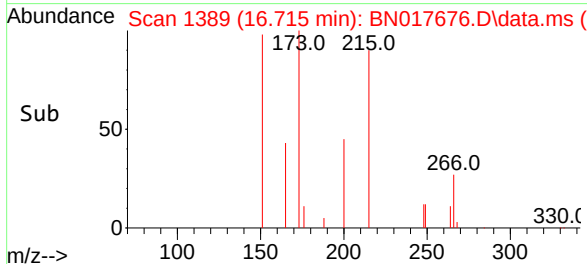
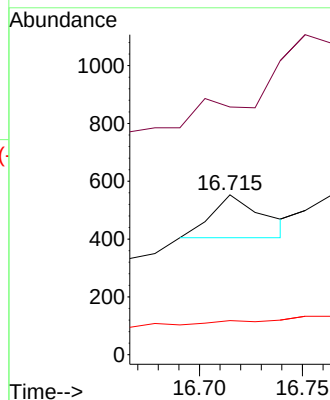
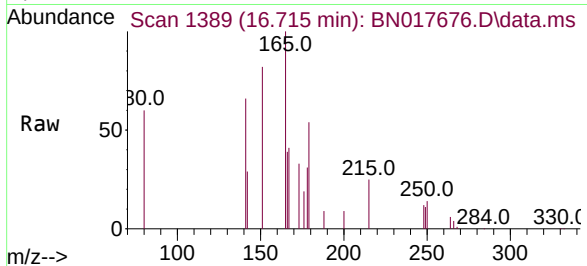




#24
Pentachlorophenol
Concen: 0.198 ng
RT: 16.715 min Scan# 1389
Delta R.T. -0.049 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

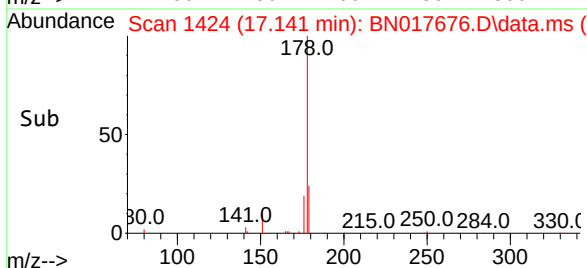
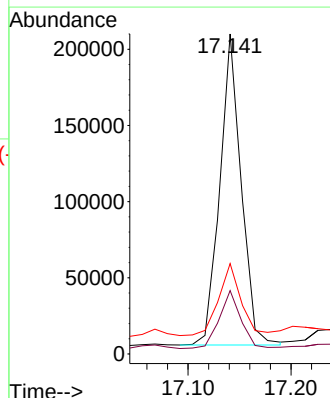
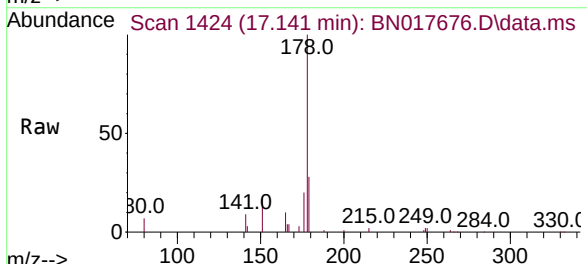
Instrument :
BNA_N
ClientSampleId :
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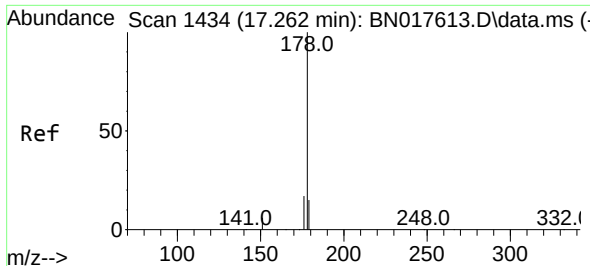
Tgt Ion:266 Resp: 259
Ion Ratio Lower Upper
266 100
264 0.0 49.8 74.8#
268 0.0 51.3 76.9#



#25
Phenanthrene
Concen: 0.819 ng
RT: 17.141 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:178 Resp: 293736
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 24.2 12.3 18.5#

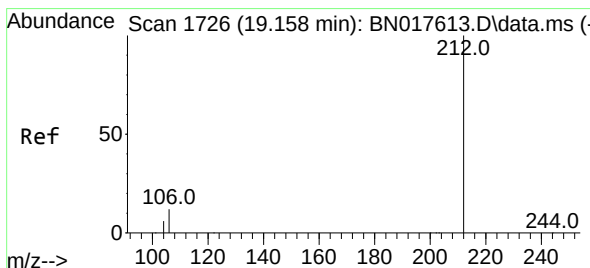
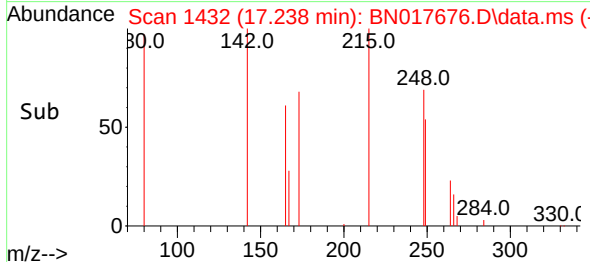
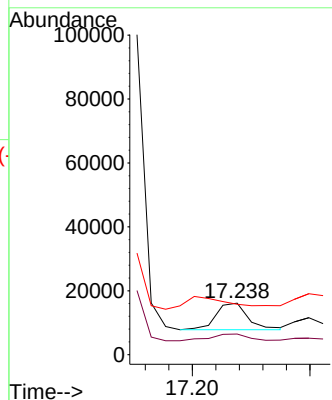
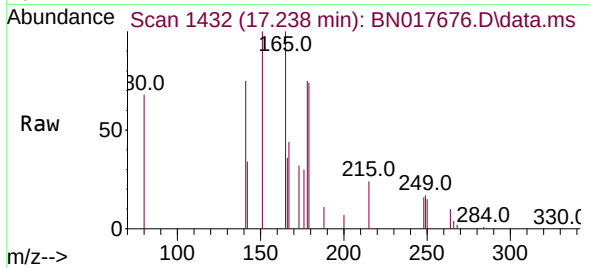




#26
 Anthracene
 Concen: 0.051 ng
 RT: 17.238 min Scan# 1434
 Delta R.T. 0.000 min
 Lab File: BN017676.D
 Acq: 02 Dec 2021 08:15

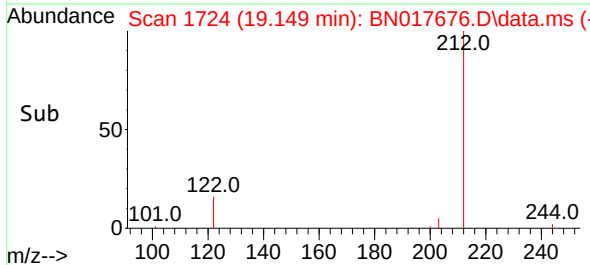
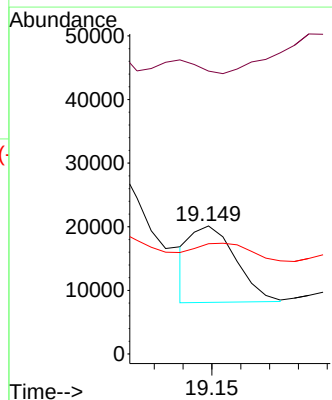
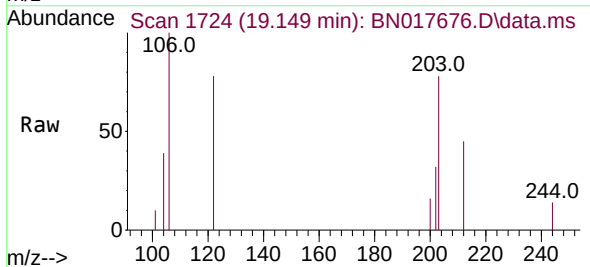
Instrument :
 BNA_N
 ClientSampleId :
 SLAB-8

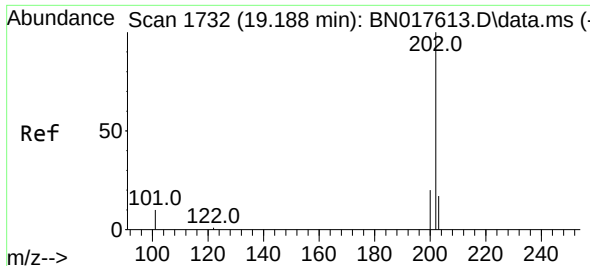
Tgt Ion:178 Resp: 15865
 Ion Ratio Lower Upper
 178 100
 176 28.3 14.6 22.0#
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.032 ng
 RT: 19.149 min Scan# 1724
 Delta R.T. 0.015 min
 Lab File: BN017676.D
 Acq: 02 Dec 2021 08:15

Tgt Ion:212 Resp: 13102
 Ion Ratio Lower Upper
 212 100
 106 42.1 10.5 15.7#
 104 28.4 5.8 8.6#

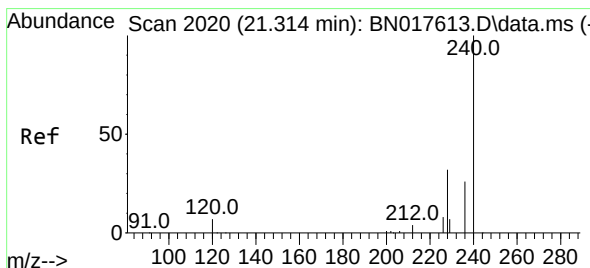
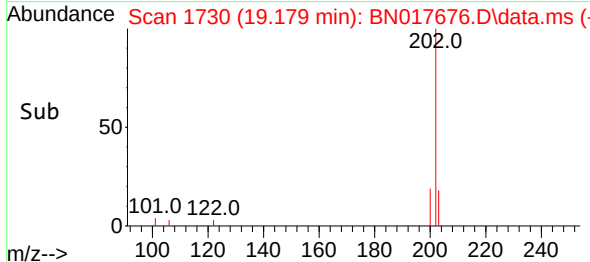
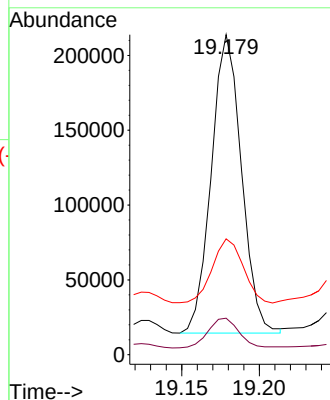
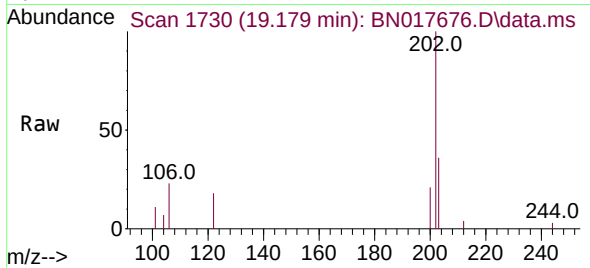




#28
Fluoranthene
Concen: 0.664 ng
RT: 19.179 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

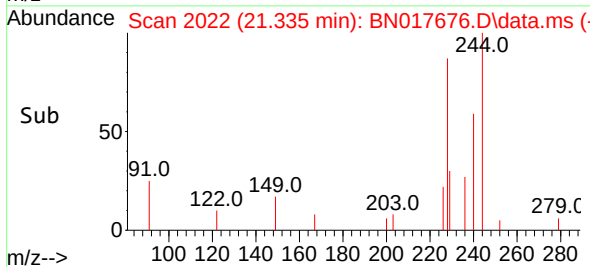
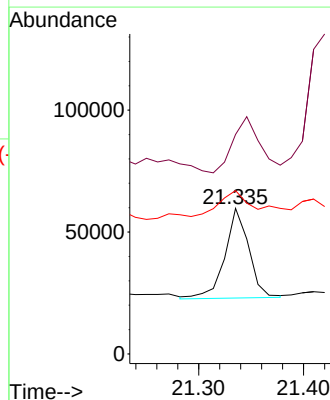
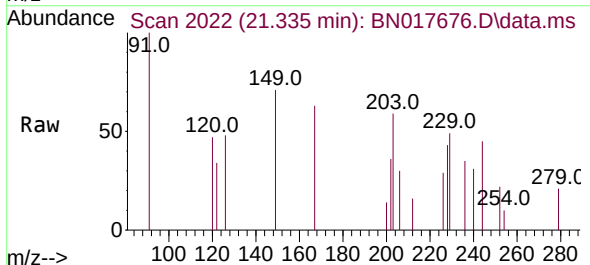
Instrument :
BNA_N
ClientSampleId :
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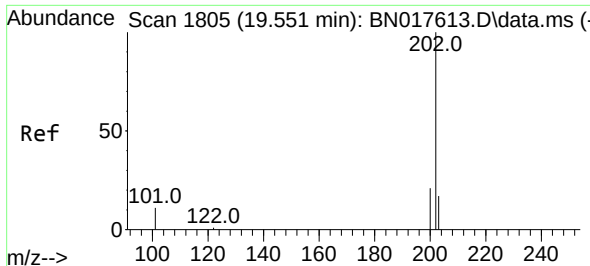
Tgt Ion:202 Resp: 269342
Ion Ratio Lower Upper
202 100
101 10.2 8.9 13.3
203 21.8 13.8 20.6#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.335 min Scan# 2022
Delta R.T. 0.053 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:240 Resp: 58501
Ion Ratio Lower Upper
240 100
120 150.8 4.2 6.2#
236 112.2 20.0 30.0#

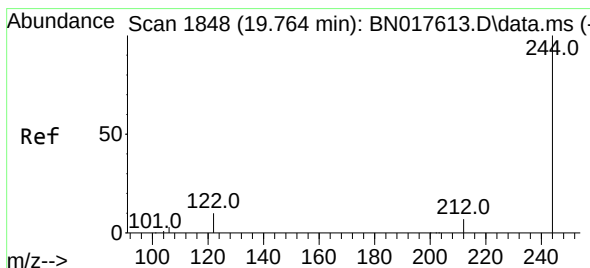
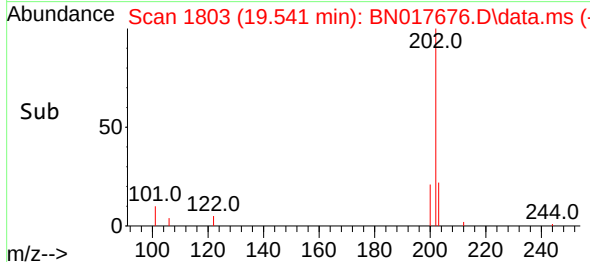
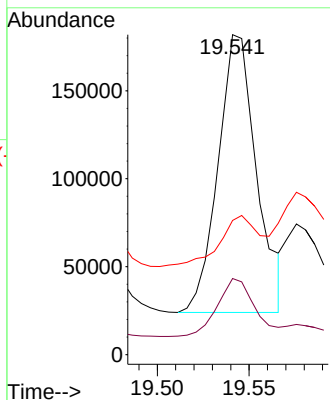
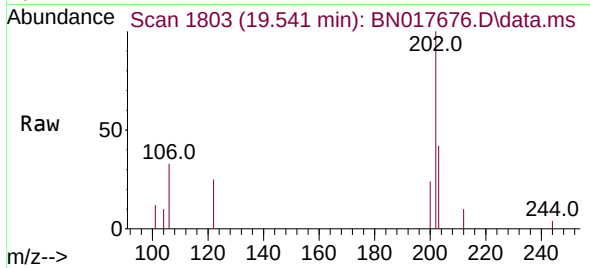




#30
 Pyrene
 Concen: 1.220 ng
 RT: 19.541 min Scan# 1803
 Delta R.T. 0.015 min
 Lab File: BN017676.D
 Acq: 02 Dec 2021 08:15

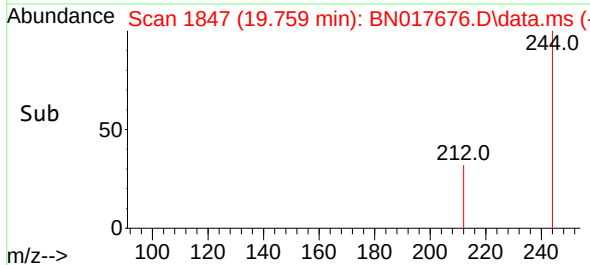
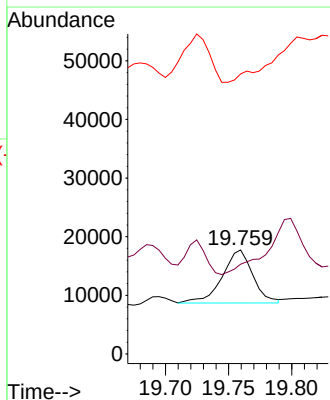
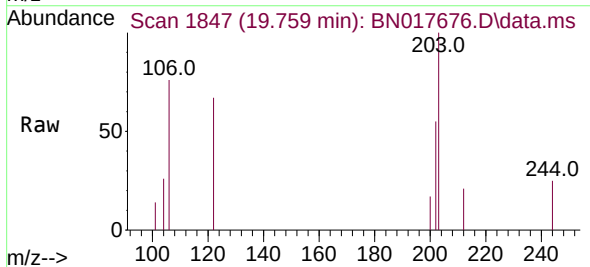
Instrument :
 BNA_N
 ClientSampleId :
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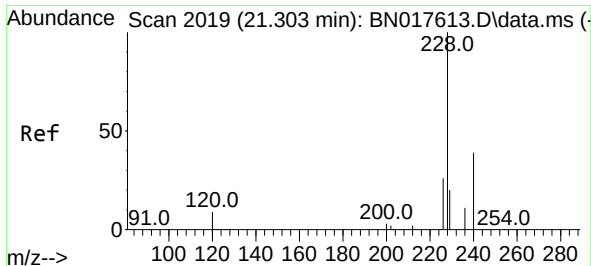
Tgt Ion:202 Resp: 230487
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.5 24.7
 203 19.9 14.0 21.0



#31
 Terphenyl-d14
 Concen: 0.119 ng
 RT: 19.759 min Scan# 1847
 Delta R.T. 0.020 min
 Lab File: BN017676.D
 Acq: 02 Dec 2021 08:15

Tgt Ion:244 Resp: 15219
 Ion Ratio Lower Upper
 244 100
 212 86.3 5.7 8.5#
 122 269.2 8.6 13.0#

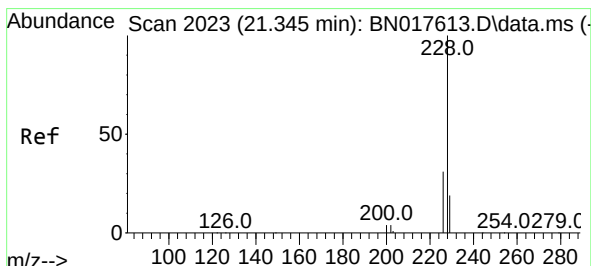
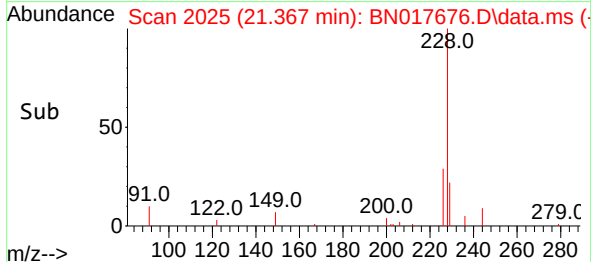
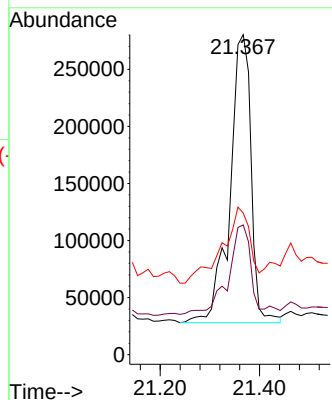
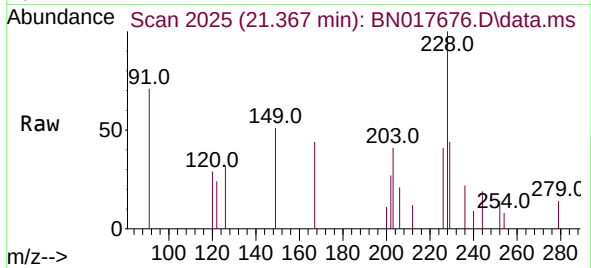




#32
Benzo(a)anthracene
Concen: 4.202 ng
RT: 21.367 min Scan# 2025
Delta R.T. 0.096 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

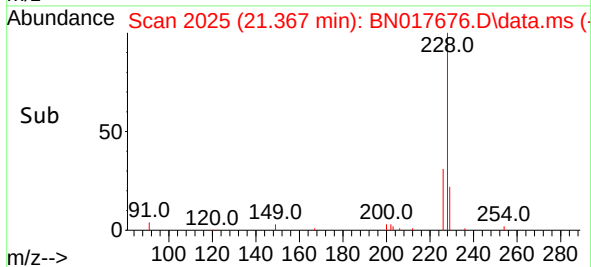
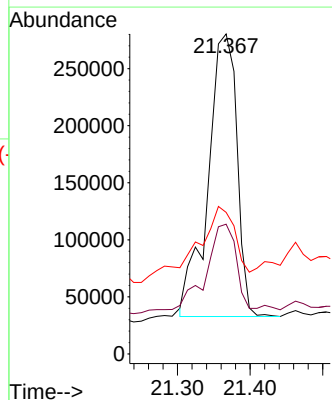
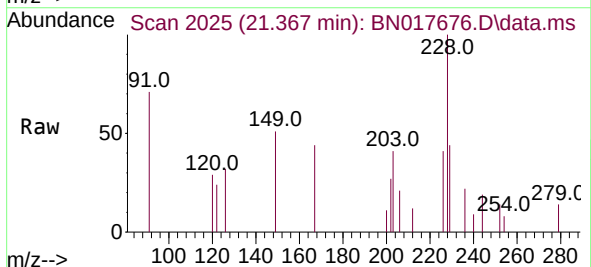
Instrument :
BNA_N
ClientSampleId :
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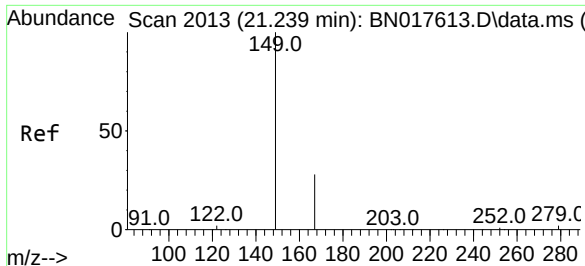
Tgt Ion:228 Resp: 746581
Ion Ratio Lower Upper
228 100
226 40.6 21.3 31.9#
229 44.2 15.7 23.5#



#33
Chrysene
Concen: 3.553 ng
RT: 21.367 min Scan# 2025
Delta R.T. 0.043 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:228 Resp: 686818
Ion Ratio Lower Upper
228 100
226 40.6 23.3 34.9#
229 44.2 15.6 23.4#

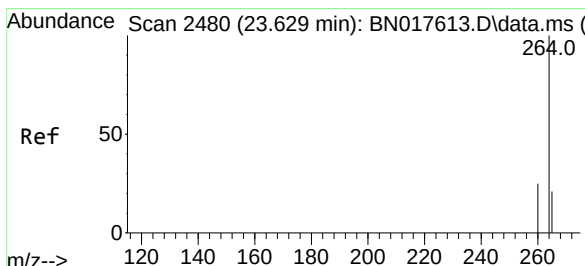
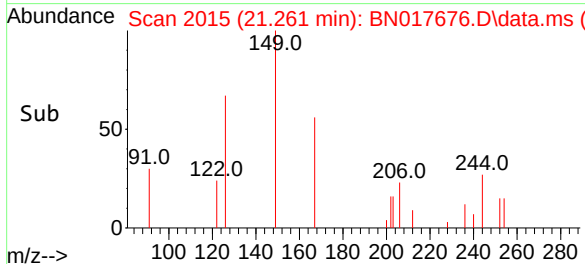
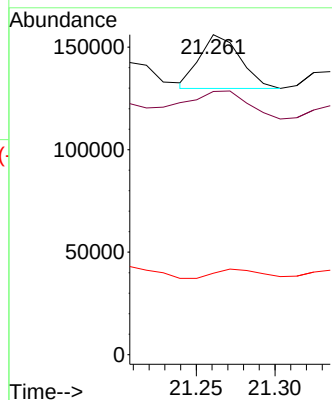
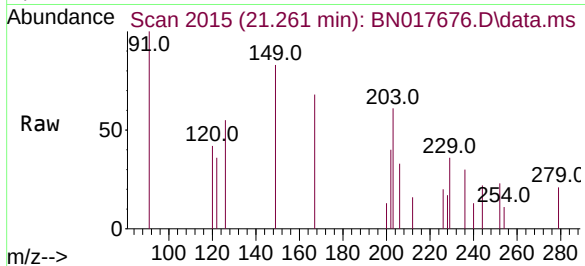




#34
Bis(2-ethylhexyl)phthalate
Concen: 1.115 ng
RT: 21.261 min Scan# 2015
Delta R.T. 0.043 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

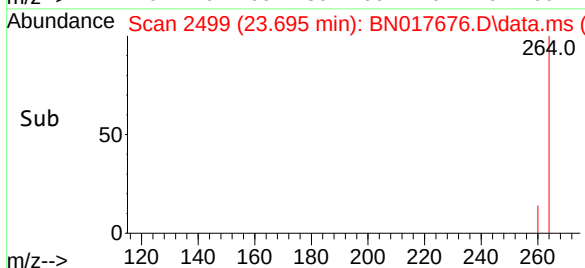
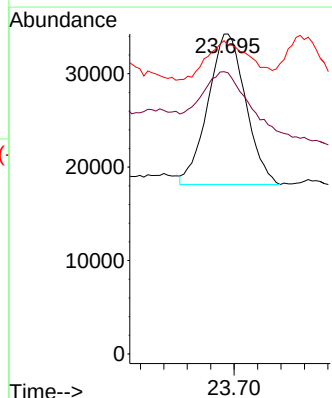
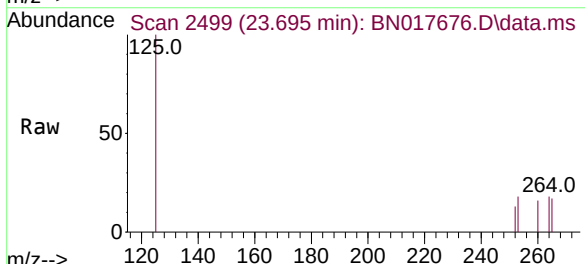
Instrument :
BNA_N
ClientSampleId :
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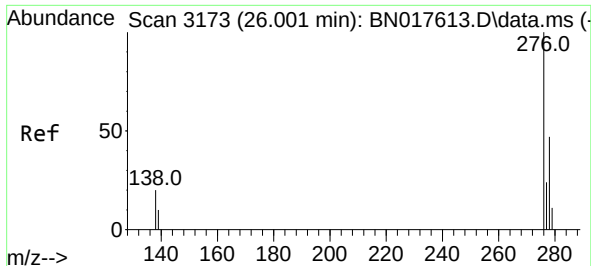
Tgt Ion:149 Resp: 46992
Ion Ratio Lower Upper
149 100
167 82.8 21.8 32.6#
279 18.9 3.4 5.0#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.695 min Scan# 2499
Delta R.T. 0.113 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:264 Resp: 36117
Ion Ratio Lower Upper
264 100
260 87.9 19.4 29.2#
265 96.6 18.6 28.0#

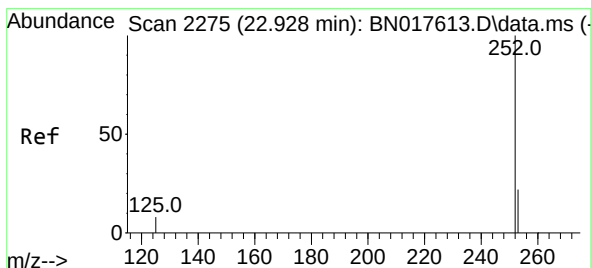
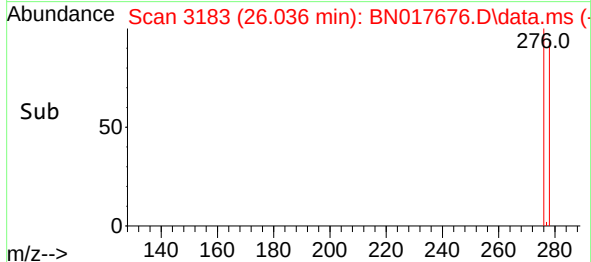
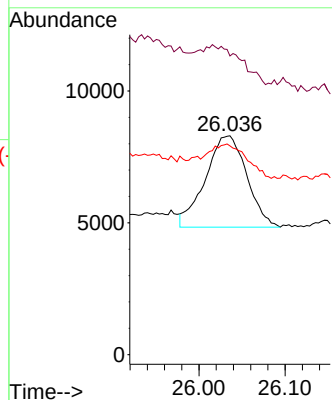
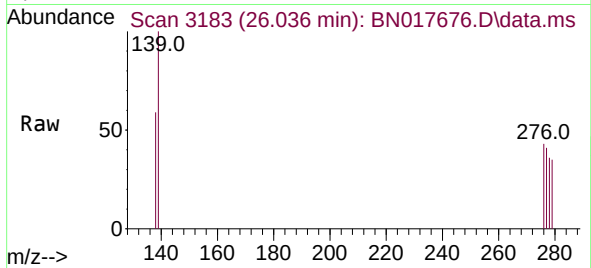




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.098 ng
RT: 26.036 min Scan# 3173
Delta R.T. 0.096 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

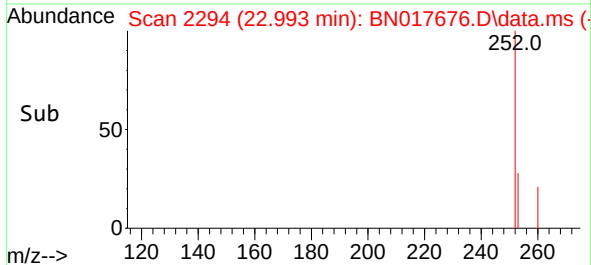
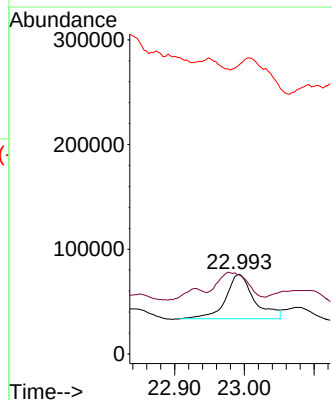
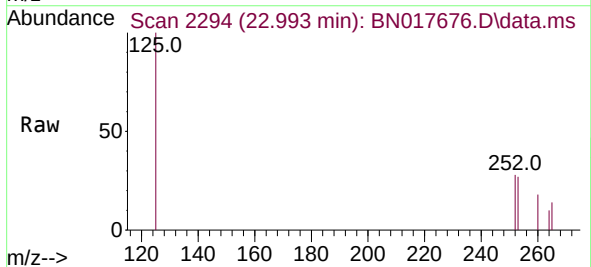
Instrument :
BNA_N
ClientSampleId :
SLAB-8

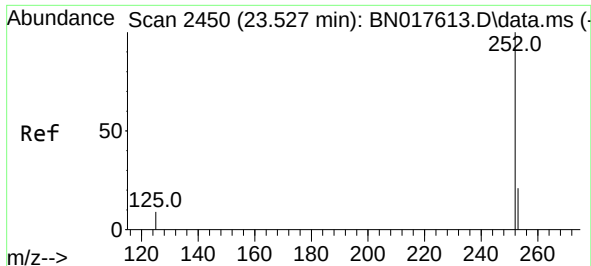
Tgt Ion:276 Resp: 11539
Ion Ratio Lower Upper
276 100
138 0.0 19.7 29.5#
277 33.0 20.0 30.0#



#37
Benzo(b)fluoranthene
Concen: 1.009 ng
RT: 22.993 min Scan# 2294
Delta R.T. 0.106 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Tgt Ion:252 Resp: 120801
Ion Ratio Lower Upper
252 100
253 98.9 17.7 26.5#
125 363.1 7.8 11.8#





#39

Benzo(a)pyrene

Concen: 0.254 ng

RT: 23.589 min Scan# 24

Delta R.T. 0.110 min

Lab File: BN017676.D

Acq: 02 Dec 2021 08:15

Instrument :

BNA_N

ClientSampleId :

SLAB-8

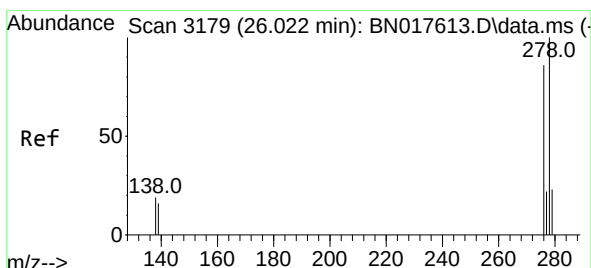
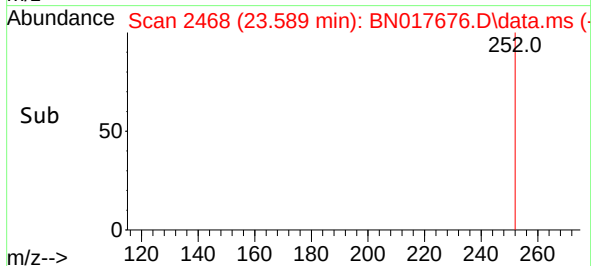
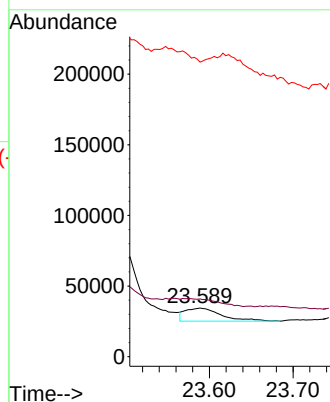
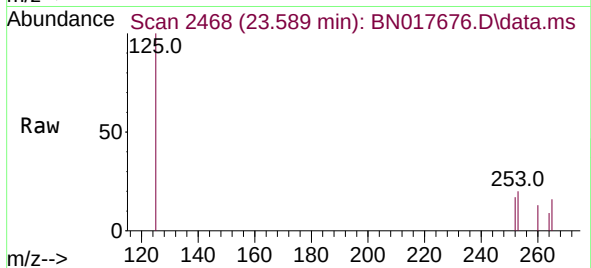
Tgt Ion:252 Resp: 27244

Ion Ratio Lower Upper

252 100

253 118.6 17.9 26.9#

125 604.9 9.2 13.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.115 ng

RT: 26.036 min Scan# 3183

Delta R.T. 0.082 min

Lab File: BN017676.D

Acq: 02 Dec 2021 08:15

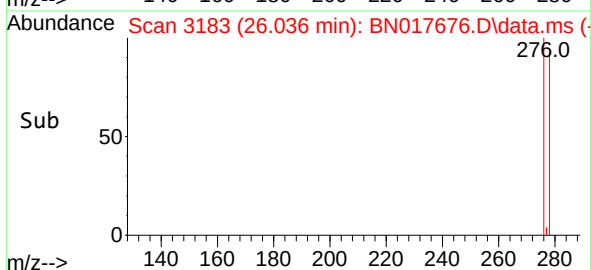
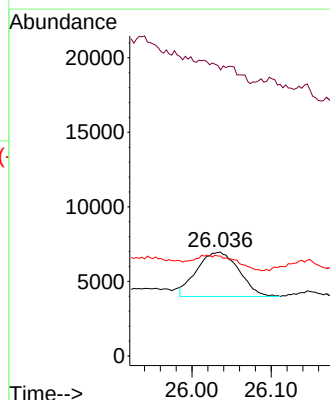
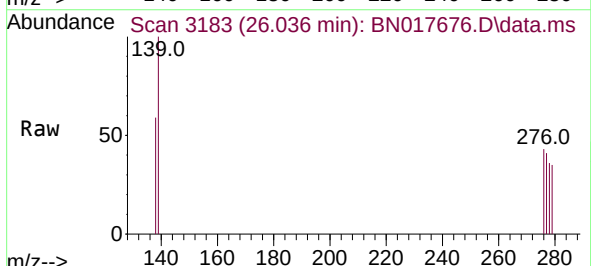
Tgt Ion:278 Resp: 10999

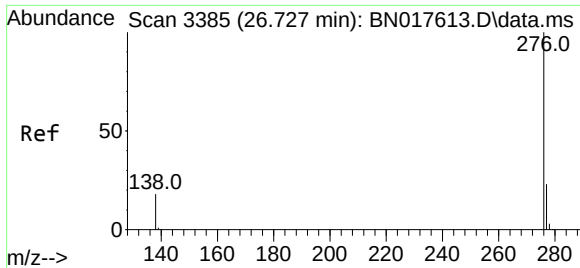
Ion Ratio Lower Upper

278 100

139 275.6 13.0 19.6#

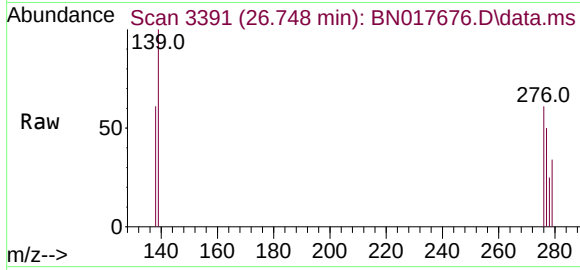
279 96.1 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 0.120 ng
RT: 26.748 min Scan# 31
Delta R.T. 0.093 min
Lab File: BN017676.D
Acq: 02 Dec 2021 08:15

Instrument :
BNA_N
ClientSampleId :
SLAB-8



Tgt Ion:276 Resp: 11805
Ion Ratio Lower Upper
276 100
277 81.8 19.0 28.4#
138 100.6 17.1 25.7#

